



The Coast Academy & Waccamaw K-2 Building Replacement

1109 Old Ocean Highway
Bolivia, NC 28422

5901 Waccamaw School Road
Ash, NC 28240

Project Bid Manual
04/27/2020

Owner		35 Referendum Drive NE Bolivia, NC 28422
Architect		434 Fayetteville St. Ste. 1700 Raleigh, NC 27601
Construction Manager		135 E. Martin St. #101 Raleigh, NC 27601

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CM CLARIFICATIONS

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GENERAL INFORMATION

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Project Information Sheet

PROJECT NAME:

Brunswick County Schools

The Coast Academy
1109 Old Ocean Highway
Bolivia, NC 28422

BCC Job #1953
Architect Project #8201-191241

Waccamaw K-2 Building Replacement
5901 Waccamaw School Road
Ash, NC 28422

BCC Job #1952
Architect Project #8201-191240

OWNER:

Brunswick County Schools
35 Referendum Drive NE
Bolivia, NC 28422

ARCHITECT:

LS3P Associates Ltd.
434 Fayetteville Street, Suite 1700
Raleigh, NC 27601

CONSTRUCTION MANAGER:

Bordeaux Construction Company, Inc.
135 E. Martin St., #101
Raleigh, NC 27601
Phone: 919-220-1141
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Preconstruction Manager
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Project Manager
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Instructions to Bidders

Date: 4/27/2020

Re: **Brunswick County Schools**
The Coast Academy & Waccamaw K-2 Building Replacement Projects

Attention Bidders:

Bordeaux Construction, as Construction Manager at Risk (CMAR), is accepting subcontractor bids for the Brunswick County Schools' The Coast Academy and Waccamaw K-2 Building Replacement projects. Sealed proposals will be received by Bordeaux Construction at location and times noted in "Bid Procedures" section below.

Article 1 PROJECT SCOPE:

1.1 Scope generally consists of:

The Coast Academy

- Project consists of (1) constructing new 7,500 SF one-story Automotive Technology Center to include classroom and shop facility with outdoor covered area and (2) renovation of 5,000 SF of existing gym and ancillary area to create new Culinary classroom and Dining space
- Automotive Center is new Pre-engineered Metal Building with three overhead coiling doors and storefront-type entrances and windows. Foundations are reinforced concrete spread footings and turndown edge SOG. HVAC systems consist primarily of packaged heat pump and split-system heat pump gas units; other systems include plumbing, electrical, fire alarm, security, and card access
- Interior finishes include polished concrete floors, ceramic tile, acoustical ceilings, resilient base, paint, Div. 10 specialties & signage; hollow metal frames and doors (HM & wood)
- Most Automotive equipment will be Owner Furnished and Contractor Installed
- Culinary space renovation includes new GWB wall partitions and upgrades to architectural finishes; new AHU, electrical and plumbing upgrades; and modification of fire suppression system
- Site work includes erosion control measures, grading, import/export fill, storm drainage, site utilities (water, sewer & fire main); site concrete (sidewalks and C&G); asphalt pavement, pavement markings & signage
- Site is located at 1109 Old Ocean Highway, Bolivia, NC 28422

Waccamaw K-2 Building Replacement

- Project consists of (1) complete demolition of existing 12,000 SF one-story classroom building and (2) constructing new 12,300 SF one-story classroom building
- New building is constructed with structural metal stud walls, steel bar joists with low slope TPO roof, metal wall panels, architectural brick veneer and storefront-type windows and entrances. Foundations are reinforced concrete turn-down edge SOG with spread footings. HVAC systems consist primarily of electrical packaged heat pump roof top units; other systems include fire suppression, plumbing, electrical, fire alarm, security, and card access.
- Interior finishes include plastic laminate countertops & casework; ceramic tile, acoustical ceilings, resilient floors, paint, Div. 10 specialties, signage, window treatments; hollow metal frames and doors (HM, FRP & wood)

- Site work includes erosion control measures, grading, import/export fill, storm drainage,; connection to existing water, sewer & fire main; site concrete; asphalt pavement, pavement markings & signage
- Site is located at 5901 Waccamaw School Road, Ash, NC 28420

Both projects, The Coast Academy and Waccamaw K-2 Building Replacement, will be bid together and awarded to the lowest qualified, responsive Combined Bidder

Article 2 Pre-Bid Conference

2.1 A Virtual Pre-bid Conference will be held on **May 07th at 1PM** via Zoom Cloud Meeting. Information and link will be provided to all Bidders. Pre-bid meeting minutes will be posted distributed to prequalified bidders.

2.2 **The facilities will not be available for review due to current governmental restrictions**

Article 3 Contract Documents

3.1 Complete Plans, Specifications and Contract Documents will be made available after **5:00PM April 27, 2020** as follows:

I) Complete Plans, Specifications, and Contract Documents will be available to view or download electronically through SmartBidNet. Login and password information and instructions to access will be distributed to prequalified bidders once plans are available. Hard copies of project documents will be available to purchase through Accent Imaging **after 04/27/20**. To obtain bidding documents, please contact Accent Imaging (Production Department) 919-782-3332 or production@accentimaging.com. Hours: M-F, 8am-5pm. Drawings and specifications are available at the contractors' expense.

II) Bordeaux Construction Company, Inc.
135 E. Martin St., #101
Raleigh, NC 27601
Hours: M-H 8am-4pm, Fri 8am-1pm

3.2 Bidder is responsible to review the Plans, Specifications, and Contract Documents against the list of "Project Contract Documents" and "Project Specifications" in Section One of this Bid Manual. Notify Megan Garrett at Megan@bordeauxconstruction.com of any inconsistencies.

3.3 The intent of the Contract Documents is to include all items necessary for the proper execution and completion of the Work by the Contractor. The Contract Documents are complementary, and what is required by one shall be as binding as if required by all; performance by the Contractor shall be required only to the extent consistent with the Contract Documents and reasonably inferable from them as being necessary to produce the indicated results.

3.4 Organization of the Specifications into divisions, sections and articles, and arrangement of Drawings shall not control the Contractor in dividing the Work among Subcontractors or in establishing the extent of Work to be performed by any trade.

Article 4 Bulletins & Addenda

4.1 Should the bidder find discrepancies in, or omission from, the drawings or documents or should he/she be in doubt as to their meaning, he/she shall at once notify the CMAR project manager at keifer@bordeauxconstruction.com who will send written instructions in the form of addenda (if deemed necessary) to all bidders. Notification should be no later than seven (7) days prior to the date set for receipt of bids.

4.2 Neither Construction Manager, Owner nor Designer will be responsible for any oral instructions.

Article 5 Pre-Bid Questions/Clarifications

5.1 All questions and request for information shall be made in writing and submitted to Megan Garrett via email Megan@bordeauxconstruction.com. Responses to any questions/clarifications will be made in writing in the form of addenda, if required. Any verbal response during the pre-bid period are not considered part of the contract documents unless included in addendum.

I) **The facilities will not be available for review due to current governmental restrictions**

II) **The last day for questions/clarifications and substitution requests must be submitted by 5pm (EST) on Friday, May 15, 2020**. Questions received after this time will not be addressed.

Article 6 Bidding Procedures:

6.1 Both projects, The Coast Academy and Waccamaw K-2 Building Replacement, will be **bid together and awarded to the lowest qualified, responsive Combined Bidder**

6.2 Bordeaux Construction will receive, open, and publically read subcontractor bid proposals for the **Brunswick County Schools—The Coast Academy & Waccamaw K-8 Building Replacement** projects. Bids will be publically read at the date and time noted in the Bid Schedule below in **Large Conference Room at Brunswick County Schools, 35 Referendum Drive NE, Bolivia, NC 28422**

6.3 All bids must be submitted in a sealed envelope with the following marked plainly and legibly on the envelope:

	Sealed Bid for:
Project:	**Brunswick County Schools**
	The Coast Academy & Waccamaw K-2 Building Replacement
Contractor:	(Name of Contractor Submitting Bid)
Bid Package:	(See note below if submitting on Multiple Bid Packages)

6.4 Each bid must be submitted on the Bid Proposal Form for the respective bid package. If submitting on multiple bid packages or "Combo" bid packages, submit separate sealed proposals for each package. Bids not submitted in a sealed envelope or on any form other than the Bid Proposal Form provided, will not be read.

6.5 Any modification to the bid form may result in the bid being rendered non-responsive. This shall include any attachment of qualifications or indicating qualification directly on the bid form,

6.6 All blank spaces for bids, alternates, and unit prices in the Bid Form must be filled out. If a bid item is "No Change", bidder must use one of the following: "$0", "No Change", or "N/C". Leaving a bid item blank or use of "No Bid", "NIC", or similar for any line item on the Bid Form may result in the bid being rendered non-responsive.

6.7 All addendum, whether applicable to the trade or not, shall be acknowledged on the Proposal Signature Page of the Bid Form. Failure to acknowledge all addendum issued for the project may result in the bid being rendered non-responsive

6.8 Sealed bids are due at Date and Times listed below for bid packages listed. Bid Proposals will be received up to the bid date and time noted below at which point bids will be declared closed and publicly read. **Bids received late will be considered non-responsive and will be returned unopened**. Sealed Bid Submissions shall be delivered in one of the manners below:

I) **On-site, Day of Bid Date (Beginning Noon 12PM EST and up to 3PM)**: Hand Delivered to Large Conference Room at **Brunswick County Schools, 35 Referendum Drive NE, Bolivia, NC 28422**
NOTE: UPS/Courier/USPS will not be accepted on-site

II) **Day of Bid Date, (Up to Noon, 12:00 PM)**: Hand Delivered, via United States Postal Service Certified Mail with Return Receipt Request, or via special courier service (FedEx, UPS, or similar with Return Receipt Service) to ATTN: Megan Garrett at Bordeaux Construction Company at 135 E. Martin St., #101, Raleigh, NC 27601.

6.9 It is **solely** the bidder's responsibility to ensure that bids sent via USPS or special courier arrive at the location and time specified above for the respective bid package Bid dates and times. Bordeaux Construction will not be responsible for proposals that do not arrive or arrive late for any reason. **Bids received late or without a sealed envelope will be considered non-responsive and will be returned un-opened**.

6.10 Bids submitted via USPS or special courier shall be submitted in a sealed envelope within the USPS or courier envelope such that the bid will remain sealed until bids are opened. **Bids sent without a separate sealed envelope within the bid package may be considered non-responsive.**

6.11 Bids submitted by telephone, telegraph, email, text message, or facsimile will be considered non-responsive and will **not** be opened or read.

6.12 The Bidder shall fill in the Bid Proposal as follows:

I) Bidder Name
II) NC License # (applies to BP-02A Surveying, BP-21A Fire Protection, BP-22A Plumbing, BP-23A HVAC, BP-23B HVAC & Plumbing, BP-26A Electrical, BP-11A Security Electronics or others as required by NC Statute)
III) If the documents are executed by a sole owner, the fact shall be evidenced the word "Owner" appearing after the name of the person executing them.
IV) If the documents are executed by a partnership, that fact shall be evidenced by the word "Co-Partner" appearing after the name of the partner executing them.
V) If the documents are executed on the part of a corporation, they shall be executed by either the president or the vice president and attested by the secretary or assistant secretary in either case, and the title of the office of such persons shall appear after their signatures. The seal of the corporation shall be impressed on each signature page of the documents.
VI) If the proposal is made by a joint venture, each member of the joint venture in the above form shall execute it for sole owner, partnership or corporation, whichever form is applicable.
VII) All signatures shall be properly witnessed. If a person other than an owner holds the contractor's license of a bidder, partner or officer of a firm, then the licensee shall also sign and be a party to the proposal. The title "Licensee" shall appear under his/her signature. (applies to BP-02A

Surveying, BP-21A Fire Protection, BP-22A Plumbing, BP-23A HVAC, BP-23B HVAC & Plumbing, BP- 26A Electrical, BP-11A Security Electronics or others as required by NC Statute)

VIII) Acknowledge all addendum issued for the project at the bottom of the signature page. Addendum shall be acknowledged, whether or not they are considered to be applicable to the respective bid package.

IX) Minority Business Requirements Apply to this project. Bidder shall identify in the bid form, the minority businesses that will be utilized on the project with corresponding total dollar value of the bid and affidavit (Affidavit A) listing good faith efforts or an affidavit (Affidavit B) indicating work under contract will be self-performed, as required by G.S. 143-128.2(c) and G.S. 143-128.2(f). **Failure to comply with these requirements is grounds for rejection of the bid.**

6.13 Submit E-verify and other affidavits listed in the Bidder's Checklist

6.14 The inclusion of a Unit Price Schedule, including unit prices for labor, materials and equipment, in the bid is for informational purposes only and shall in no way obligate Construction Manager or Owner to pay the unit rates provided in the Unit Price Schedule for any additional work performed pursuant to a modification should the bidder be awarded the Subcontract. Construction Manager may agree to pay unit rates included in the Unit Price Schedule, or agree to pay adjusted unit rates reflecting the bidder's actual costs, after review by Construction Manager and Owner and receipt by the bidder of written approval from Construction Manager for the use of approved rates. If allowances are included in the Bidder's proposal based on unit rates listed in the bid form and unit rates are not accepted, the Bid amount shall be adjusted to remove the allowance from the bidder's proposal amount.

Article 7 BID PACKAGE SCHEDULE

Bid Date: Tuesday, May 26 2020 3 PM (EST)

BP 01A – General Trades
BP 01B – Final Cleaning
BP-02B – Demolition
BP 03A – Building Concrete
BP 04A – Turnkey Masonry
BP 05A – Turnkey Steel
BP 07C – Roofing / Canopies
BP 07D – Caulk & Sealants
BP-08A – Storefront & Glazing
BP-08C – Doors & Hardware
BP 09A – Drywall
BP 09B – Hard Tile
BP 09C – Acoustical Ceilings
BP 09D – Resilient Flooring
BP-09F – Polished Concrete
BP 09G – Painting
BP 10A – Specialties
BP 10C – Signage
BP-12A – Window Treatments
BP-12B – Casework
BP-13B – Pre-Engineered Metal Building
BP 21A – Fire Protection
BP 22A – Plumbing
BP 23A – HVAC / Mechanical
BP 23B – Plumbing & HVAC (Combo)
BP 26A – Electrical
BP-31A – Turnkey Site
BP 32B – Fencing

Each project has a list of applicable bid packages; Bidders must review both projects (Bid Manual--Section 04) in preparation of their proposal

RE-Bid Date: Thursday, June 04, 2020 3:00 PM (EST)

FOR ANY PACKAGES NOT OPENED ABOVE, BIDS WILL AUTOMATICALLY RE-ADVERTISE AND OPEN ON THURSDAY, JUNE 04, 2020 @ 3PM

Note: Bid Packages 2A, 6A, 7A, 7B, 7E, 7F, 8B, 9E, 9H, 10B, 10D, 10E, 10F, 10G, 11A, 11B, 13A, 28A, 32A & 32C are not used

Article 8 WITHDRAWAL OR REVISION OF BID PROPOSALS

8.1 Bid proposals may only be withdrawn in writing prior to the scheduled time for receipt of Bid Proposals. After bids are declared closed, no Bid Proposal may be withdrawn or modified for a period of Ninety (90) calendar days from date of bids being opened.

8.2 Bid Security Requirement **(Required for all bids which indicate payment & performance bond required)**: Bid security must be submitted with the bid in an amount of at least 5% of the bid amount in the form of a Bid Bond, a bid deposit in cash, a cashier's check, or a certified check. Refer to Section 3 for form of Bid Bond. If an alternate form is desired, please submit alternate bond form by RFI no later than date noted within Article 5.

8.3 If a surety bond is required, it shall be written on AIA Document A310-2010, Bid Bond as provided in the Bidding Documents. The attorney-in-fact who executes the bond on behalf of the surety shall affix to the bond a certified and current copy of the power of attorney.

Article 9 AWARD OF CONTRACT

9.1 Owner, Architect and/or Bordeaux Construction reserve the right to accept and/or reject any and all alternates in any order.

9.2 Subject to the rights of Construction Manager and/or Owner to reject any or all bids, the Construction Manager will award the Subcontract to the bidder deemed by Construction Manager and Owner in their sole discretion to be the lowest responsive and responsible bidder. Pre-qualification of a bidder is a condition precedent to the bidder being deemed responsive, but pre-qualification is not to be construed as a determination that the bidder is responsible or, in fact, responsive. The determination as to whether a bidder is responsible shall be made after the bids have been opened. In making the determination as to the responsibility of a bidder, the Owner and Construction Manager reserve their rights to consider factors beyond those set forth in the pre-qualification criteria including, but not exclusively, those factors that are more qualitative and less subject to quantification than those set forth in the pre-qualification criteria. The prequalification of a particular bidder shall not be deemed a property right of the bidder or create any other right, legal or equitable, or any cause of action in favor of the bidder even if the bidder submits the lowest monetary bid. In determining which bidder is the lowest responsive and responsible bidder, Construction Manager and Owner, in their discretion, may take into consideration not only the amount of the bid, but also such of the following criteria as they deem appropriate and may give such weight thereto as they deem appropriate:

I) Bidder's financial ability to complete the Subcontract successfully and on time without resort to its surety;
II) Bidder's prior experience with comparable or more complex projects;
III) Bidder's prior history for successful and timely completion of projects;
IV) Bidder's equipment and facilities;
V) The adequacy, in numbers and experience, of the bidder's work force to complete the Contract successfully and on time;
VI) Bidder's prior experience on other projects of Construction Manager & Owner, including the bidder's demonstrated ability to complete its work in accordance with the requirements of the contract documents;

VII) Bidder's compliance with federal, state and local laws, rules and regulations including, but not limited to, equal employment opportunity requirements and the Occupational Safety and Health Act

VIII) Bidder's demonstrated commitment to achieve the Contract HUB/MWBE goals or its good-faith effort to meet those goals.

IX) Depending on the type of the Work, other factors which Construction Manager & Owner considers material.

9.3 In determining the lowest responsible, responsive bidder, Construction Manager & Owner shall take into consideration the bidder's compliance with the requirements of G.S. 143-128.2(c), the past performance of the bidder on construction contracts for Construction Manager & Owner with particular concern given to completion times, quality of work, cooperation with other contractors, and cooperation with the Designer and Owner.

9.4 Failure of the low bidder to furnish affidavit and/or documentation as required by G.S. 143-128.2(c) may constitute a basis for disqualification of the bid.

9.5 The Owner, Architect and/or Bordeaux Construction reserve the right to reject any or all Bid Proposals and to waive all informalities or irregularities without explanation and without obligation of any nature to the bidders.

9.6 Bordeaux Construction and/or the Owner reserve the right to reject any proposed sub-trade (2nd tier) subcontractor not deemed acceptable to perform the work for which they are designated. Should any bidder's proposal shall remain binding without additional compensation. The bidder will shall have the option to self-perform the work or submit alternate sub-trade contractors for review and approval.

9.7 At the request of Construction Manager and before any contract is awarded, the bidder may be required to furnish a complete statement of the origin, composition, and manufacturer of any or all materials to be used in the construction of the Work, together with samples. Such samples may be subjected to the tests provided for in the Contract Documents to determine their quality and fitness for the Work.

9.8 At the request of Construction Manager and before any contract is awarded, the bidder may be required to furnish the Construction Manager with a complete breakdown of the lump sum bid items to the satisfaction of the Construction Manager & Owner. The lump sum breakdown shall be in such detail as the Construction Manager & Owner may reasonably require.

9.9 Construction Manager & Owner reserves the right to issue subcontracts to the selected bidder at any time up to ninety (90) days after the receipt of bids. The bidder must sign and return the Agreement within ten (10) days of receiving it. Failure to do so will be considered as refusal on the part of the selected bidder to enter into the Agreement. Upon such refusal, Construction Manager & Owner may award the Contract to the next qualified bidder, at Construction Manager & Owner's option, with the initially selected bidder's bid guaranty being retained as provided by law.

9.10 Should Construction Manager & Owner adjudge that the apparent low bidder is not the lowest responsible, responsive bidder by virtue of the above information, said apparent low bidder will be so notified and its bid security shall be returned

Article 10 PREFERRED BRAND ALTERNATES

10.1 In accordance with General Statute GS 133-3, Specifications may list one or more preferred brands as an alternate to the base bid in limited circumstances. Specifications containing a preferred brand alternate under this section must identify the performance standards that support the preference. Performance standards for the preference must be approved in advance by the Owner in an open meeting. Any alternate approved by Owner shall be approved only where (i) the preferred alternate will provide cost savings, maintain or improve the functioning of any process or system affected by the preferred item or items, or both, and (ii) a justification identifying these criteria is made available in writing to the public. In accordance with GS133-3 see Section 012300 of this specification for items being considered by Owner for this project.

Article 11 MINORITY BUSINESS ENTERPRISE (MBE)/HISTORICALLY UNDERUTILIZED BUSINESS (HUB) PARTICIPATION

11.1 Bordeaux Construction is actively committed to promote practices that will promote full and equal access to business opportunities on projects which the company is jointly or individually affiliated. **Minority Business Participation is a part of this contract and all bidders must comply with State of North Carolina General Statutes.** All subcontractors participating in this project are required to make a good faith effort to obtain 10% of the value of their subcontract from MBW/HUB suppliers or second tier subcontractors. Refer to Section Two of the Bid Manual "MBE Participation" for specific requirements and forms to be submitted with the bid.

Article 12 SUBSTITUTIONS

12.1 GS133-3 requires bidder proposed substitutions be submitted and approved prior to bid receipt. These would be bidder's "desired or voluntary" substitutions. Necessary or required substitutions can occur later when specified products are not available, late delivery, model changes, etc. then substitutions can be made after contract award per usual procedure in the General Conditions. **Bidder proposed substitutions should be submitted no later than May 15, 2020** for Designer evaluation and inclusion in the last addenda that may be issued no later than **May 20, 2020**.

Article 13 OTHER REQUIREMENTS

13.1 All State and County Sales tax on all material (including material only bid packages) is to be included in the cost of the bid. This requirement shall apply to all materials furnished to the project, regardless of where the material originated.

13.2 **Payment and Performance Bond Requirement**: Costs for payment and performance bonds are to be included in base bid price. **Payment and Performance Bonds are required for the following Bid Packages:**

I) BP-07C Roofing
II) BP-09A Drywall
III) BP-22A Plumbing
IV) BP-23A HVAC
V) BP-23B Plumbing & HVAC Combo
VI) BP-26A Electrical
VII) BP-31A Turnkey Site

13.3 Construction Manager and Owner reserve the right to add pre-qualified bidders. Construction Manager and Owner reserve the right to reject any and all proposals. Additional Bid Packages may be added and/or deleted at the discretion of Construction Manager.

Article 14 BIDDER'S REPRESENTATIONS

14.1 It is understood and mutually agreed that by submitting a bid the bidder acknowledges that he/she has carefully examined all documents pertaining to the work, the location, accessibility and general character of the site of the work and all existing buildings and structures within and adjacent to the site, and has satisfied himself as to the nature of the work, the condition of existing buildings and structures, the conformation of the ground, the character, quality and quantity of the material to be encountered, the character of the equipment, machinery, plant and any other facilities needed preliminary to and during prosecution of the work, the general and local conditions, the construction hazards, and all other matters, including, but not limited to, the labor situation which can in any way affect the work under the contract, and including all safety measures required by the Occupational Safety and Health Act of 1970 and all rules and regulations issued pursuant thereto. It is further mutually agreed that by submitting a proposal the bidder acknowledges that he/she has satisfied himself as to the feasibility and meaning of the plans, drawings, specifications and other contract documents for the construction of the work and that he/she accepts all the terms, conditions and stipulations contained therein; and that he/she is prepared to work in cooperation with other contractors performing work on the site.

14.2 Reference is made to contract documents for the identification of those surveys and investigation reports of subsurface or latent physical conditions at the site or otherwise affecting performance of the work which have been relied upon by the designer in preparing the documents. By submitting a bid, each bidder acknowledges that:

I) The opinions expressed in the geotechnical report are solely those of the Geotechnical Engineer and represent its interpretation of subsurface conditions based on the tests and analyses that it has conducted.
II) The information contained in the geotechnical report may not be adequate for my company's purposes during the bidding process and my firm is encouraged to perform its own subsurface explorations, examinations, investigations, tests, and analyses prior to bidding to develop its own opinion of the nature of the soil conditions at the Project site. Contact the Owner to make an appointment to enter the site for the purpose of conducting their own investigation of subsurface conditions.
III) Neither Construction Manager, Owner nor Architect guarantees or warrants the accuracy or completeness of the information in the geotechnical report. Construction Manager, Owner and Architect expressly disclaim any responsibility for whether or not the data in the geotechnical report is representative of the conditions and materials that are actually encountered during construction.
IV) The geotechnical report is **not** part of the Bid Documents and shall **not** become part of the Contract Documents.

14.3 Each bidder may, at his own expense, make such additional surveys and investigations as he/she may deem necessary to determine his bid price for the performance of the work. Any on-site investigation shall be done at the convenience of the owner upon request made to the Construction Manager. Any reasonable request for access to the site will be honored by the owner.

Article 15 DEFINITIONS

15.1 "Bidding documents" include the Bidding Requirements and the proposed Contract Documents and will consist of:
I) Bordeaux Construction "Bid Manual" including:
(a) Instructions to Bidders

(b) Bid Packages (Scopes of Work)
(c) All Subcontract Agreement Documents & Forms
(d) Bid Proposal Form and Bid affidavits
(e) All Minority Business Enterprise (MBE) Requirements)
(f) Site Logistics Plan
(g) Baseline & Milestone Schedule

II) The Designer's Project Manual
(i) All Specification Divisions (including Division 1)

III) The Designer's Project Drawings
(i) All Drawings (including code summary, life safety, and all consultants sheets)

IV) All addendum and Construction Manager Clarifications

15.2 The "Work" or the "Project" is all work required for construction of the Brunswick County Schools projects as described in the Bidding and Contract Documents

15.3 "Addenda" are written or graphic instruments issued by the Architect prior to the execution of the Contract which modify or interpret the Bidding Documents by additions, deletions, clarifications or corrections.

15.4 A "Bid" is a complete and properly executed proposal to do the Work for the sums stipulated therein, submitted in accordance with the Bid Documents

15.5 The "Base Bid" is the sum stated in the Bid for which the Bidder offers to perform the Work described in the Bidding Documents as the base, to which Work may be added or from which Work may be deleted for sums stated in Alternate Bids

15.6 A "Bidder" is a person or entity who submits a Bid in conformance with the Bidding Documents. All Bidders must be pre-qualified

15.7 An "Alternate Bid" (or "Alternate") is an amount stated in the Bid to be added to or deducted from the amount of the Base Bid if the corresponding change in the Work, as described in the Bidding Documents, is accepted.

15.8 A "Unit Price" is an amount stated in the Bid as a price per unit of measurement for materials, equipment or services or a portion of the Work as described in the Bidding Documents.

15.9 A "Unit Price Allowance" is an amount to be included in the Bid calculated at the unit of measurement for materials, equipment or services or a portion of the Work as described in the Bidding Documents. Unused Allowances are to be credited in full at the end of the project

15.10 A "Lump Sum Allowance" is an amount to be included in the Bid for materials, equipment or services or a portion of the Work as described in the Bidding Documents. Unused Allowances are to be credited in full at the end of the project

15.11 "Bidder" or "Contractor" is a Subcontractor or material supplier who submits a Bid to Construction Manager and who meets the requirements set forth in the Bidding Documents.

15.12 "Construction Manager" is Bordeaux Construction acting as Construction Manager at Risk for the project, also referred to as BCC

On behalf of Bordeaux Construction and Brunswick County, we sincerely thank you for the time and effort in preparing your bid. Please do not hesitate to contact Megan Garrett at Megan@bordeauxconstruction.com should you have any questions regarding bidding the project.

END OF INSTRUCTIONS TO BIDDERS

CONTRACTOR'S REQUEST FOR SUBSTITUTION FORM

Project:	The Coast Academy	Project No.:	8201-191241
To:	LS3P ASSOCIATES LTD.	Specification Section #:	
	434 Fayetteville Street, Suite 1700 Raleigh, NC 27601	Contractor:	
Attn.:	Mary Brehler	Requested by:	
Phone:	919-829-2706	Phone:	
Fax:	919-829-2730	Fax:	
Email:	marybrehler@ls3p.com	Email:	

Reason for not providing specified item:

Savings to Owner for accepting substitution:

Specified Product/Fabrication Method
(List name/description; model no.; manufacturer):

Required Information for *Specified* Product:	Attached:
Point by Point Comparative Product Data	☐
Tests	☐
Reports	☐
Fabrication Drawings	☐
Samples (Where Applicable)	☐

Proposed Product/Fabrication Method
(List trade name/description; model no.;
manufacturer) :

Required Information for *Proposed* Product:	Attached:
Point by Point Comparative Product Data	☐ (Required)
Tests	☐
Reports	☐
Fabrication Drawings	☐
Samples (Where Applicable)	☐

List of Related Changes/Modifications:

Differences between proposed substitution
and specified product:

Does proposed product/fabrication method affects other parts of the Work? ☐ No ☐ Yes: Explain _____

_____

_____

Undersigned certifies:

- Proposed substitution has been fully investigated and determined to be equal or superior in all respects to specified product as utilized for this project, except as noted herein.
- Qualifications of manufacturer, installer, and other specified parties meet the specified qualifications.
- Same special warranty will be furnished for proposed substitution as for specified product.
- Same maintenance service and source for replacement parts, as applicable, is available as that specified.
- Proposed substitution does not affect dimensions and functional clearances, except as noted herein.
- Proposed substitution complies with requirements in the Contract Documents and is appropriate for applications indicated.
- Failure of proposed substitution to produce indicated results will not be considered grounds for additional payment or time.

For the Bidder:

Submitted by: _____

Signed: _____

Firm: _____

Telephone: _____

Fax: _____

Email: _____

For the Manufacturer:

Submitted by: _____

Signed: _____

Firm: _____

Telephone: _____

Fax: _____

Email: _____

END OF CONTRACTOR'S REQUEST FOR SUBSTITUTION FORM

CONTRACTOR'S REQUEST FOR SUBSTITUTION FORM

Project:	Waccamaw Elementary School	Project No.:	8201-191240
To:	LS3P ASSOCIATES LTD.	Specification Section #:	
	434 Fayetteville Street, Suite 1700 Raleigh, NC 27601	Contractor:	
Attn.:	Mary Brehler	Requested by:	
Phone:	919-829-2706	Phone:	
Fax:	919-829-2730	Fax:	
Email:	marybrehler@ls3p.com	Email:	

Reason for not providing specified item:

Savings to Owner for accepting substitution:

Specified Product/Fabrication Method
(List name/description; model no.; manufacturer):

Required Information for *Specified* Product:	Attached:
Point by Point Comparative Product Data	☐
Tests	☐
Reports	☐
Fabrication Drawings	☐
Samples (Where Applicable)	☐

Proposed Product/Fabrication Method
(List trade name/description; model no.;
manufacturer) :

Required Information for *Proposed* Product:	Attached:
Point by Point Comparative Product Data	☐ (Required)
Tests	☐
Reports	☐
Fabrication Drawings	☐
Samples (Where Applicable)	☐

List of Related Changes/Modifications:

Differences between proposed substitution
and specified product:

Does proposed product/fabrication method affects other parts of the Work? ☐ No ☐ Yes: Explain _____

_____

_____

Undersigned certifies:

- Proposed substitution has been fully investigated and determined to be equal or superior in all respects to specified product as utilized for this project, except as noted herein.
- Qualifications of manufacturer, installer, and other specified parties meet the specified qualifications.
- Same special warranty will be furnished for proposed substitution as for specified product.
- Same maintenance service and source for replacement parts, as applicable, is available as that specified.
- Proposed substitution does not affect dimensions and functional clearances, except as noted herein.
- Proposed substitution complies with requirements in the Contract Documents and is appropriate for applications indicated.
- Failure of proposed substitution to produce indicated results will not be considered grounds for additional payment or time.

For the Bidder:

Submitted by: _____

Signed: _____

Firm: _____

Telephone: _____

Fax: _____

Email: _____

For the Manufacturer:

Submitted by: _____

Signed: _____

Firm: _____

Telephone: _____

Fax: _____

Email: _____

END OF CONTRACTOR'S REQUEST FOR SUBSTITUTION FORM

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101423 Room-Identification Signage
102800 Toilet & Bath Accessories
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115700 Vocational Shop Equipment

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123661 Solid Surface Window Stools

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013300 Submittal Procedures
014000 Quality Requirements
014200 References
014533 Special Inspections
015000 Temporary Facilities and Controls
- Project Sign Sample

016000 Product Requirements
017300 Execution
017419 Construction Waste Management & Disposal
017700 Closeout Procedures
017823 Operation and Maintenance Data

017836 Warranties
017839 Project Record Documents
017900 Demonstration and Training

DIVISION 02 – EXISTING CONDITIONS

024119 Selective Demolition

DIVISION 03 – CONCRETE

033000 Cast-In-Place Concrete

DIVISION 04 – MASONRY

042613 Masonry Veneer

DIVISION 05 – METALS

052100 Steel Joist Framing
053100 Steel Decking
054000 Cold-Formed Metal Framing
055000 Metal Fabrications
055213 Pipe and Tube Railings
057500 Custom Metal Canopy

DIVISION 06 - WOOD, PLASTICS, AND COMPOSITES

061053 Miscellaneous Rough Carpentry
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071326 Self-Adhering Sheet Waterproofing
072100 Thermal Insulation
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075423 Polyvinyl Chloride (PVC) Roofing
076200 Sheet Metal Flashing & Trim
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077200 Roof Accessories

078413 Penetration Firestopping
078446 Fire-Resistive Joint Systems
079200 Joint Sealants

DIVISION 08 - OPENINGS

081113 Hollow Metal Frames
081416 Flush Wood Doors
082130 Fiberglass Reinforced Polyester (FRP) Doors
083113 Access Doors & Frames
084113 Aluminum-Framed Entrances & Storefronts
087110 Door Hardware
088000 Glazing

DIVISION 09 - FINISHES

092216 Non-Structural Metal Framing
092900 Gypsum Board
093000 Tiling
095113 Acoustical Panel Ceilings
096513 Resilient Base and Accessories
096520 Resilient Plank Flooring
099123 Interior Painting
099600 High-Performance Coatings

DIVISION 10 - SPECIALTIES

101100 Visual Display Surfaces
101423 Room-Identification Signage
102113 Plastic Toilet Compartments
102800 Toilet Accessories
104400 Fire Protection Specialties
107326 Manufactured Canopy Systems

DIVISION 11 - EQUIPMENT

(Not Used)

DIVISION 12 – FURNISHINGS

122413 Roller Window Shades

123216 Manufactured Plastic-Laminate-Faced Casework
123623 Plastic-Laminate-Clad Countertops
123661 Solid Surface Window Stools

DIVISION 13 - SPECIAL CONSTRUCTION

(Not Used)

DIVISION 14 - CONVEYING EQUIPMENT

(Not Used)

DIVISION 21 – FIRE SUPPRESSION

210000 Fire Protection

DIVISION 22 – PLUMBING

220000 Plumbing

DIVISION 23 - HEATING, VENTILATING, AND AIR-CONDITIONING (HVAC)

230500 Heating and Air Conditioning
230900 Instrumentation and Control for HVAC

DIVISION 25 – BUILDING AUTOMATION

(Not Used)

DIVISION 26 – ELECTRICAL

260000 Electrical, Basics
260500 Basic Electrical Materials and Methods
260519 Conductors and Cables
260526 Grounding and Bonding
260533 Raceway and Boxes
260538 Wire Mesh Cable Trays
260548 Seismic Controls for Electrical Systems
260553 Electrical Identification

260923 Lighting Control Devices
262200 Dry-type Transformers (600V and less)
262416 Panelboards
262726 Wiring Devices
262816 Enclosed Switches and Circuit Breakers
264313 Surge Protective Devices
265119 LED Interior Lighting

DIVISION 27 – COMMUNICATIONS

271100 Communications Equipment Room Fittings
271300 Communication Backbone Cabling
271500 Communication Horizontal Cabling

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283111 Digital, Addressable Fire Alarm System
285000 Emergency Radio Communication Enhancement System
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TS 012.01 Trench Boxes, Sheeting and Shoring
TS 013.01 Excavating, Grading, Trenching and Backfilling
TS 018.01 Water Distribution System
TS 026.01 Concrete Reinforcement
311000 Site Clearing
312200 Grading
312216 Subgrade and Roadbed
312300 Excavation
312323 Fill and Backfill
312323.23 Proof Rolling
312333 Trenching for Site Utilities
312500 Temporary Sedimentation and Erosion Control
313116 Termite Control
313700 Rip Rap
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321123	Aggregate Base Course
321216	Bituminous Concrete Paving
321313	Concrete Paving for Sidewalks
321613	Concrete Curbing
321723	Pavement Markings
323113	Chain Link Fences and Gates
329113	Soil Preparation
329200	Plants
329219	Seeding
329223	Sodding
329700	Landscape Maintenance and Warranty

DIVISION 33 – UTILITIES

334000	Storm Drainage Piping
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- MBE SAMPLE FORMS FOR CONTRACT DOCUMENTATION & PAYMENT
    - SEE EXHIBIT D (APPENDIX E)

MINORITY BUSINESS ENTERPRISE (MBE) PARTICIPATION PLAN

INTRODUCTION:

Bordeaux Construction is committed to promote practices that will promote full and equal access to business opportunities on projects which the company is jointly or individually affiliated. Our Historically Underutilized Business (HUB) participation program has been specifically designed to ensure that Historically Underutilized Businesses have increased and equal opportunities for participation in our projects.

Additional Support for becoming certified through the State of North Carolina is available by contacting Rachel Sayre at rachel@bordeauxconstruction.com.

HUB PLAN OBJECTIVES:

1. Bordeaux Construction has established the Historically Underutilized Business participation goal established for this project as:
   20% HUB participation
2. The Waccamaw K-2 Building Replacement and The Coast Academy project is one of the larger projects that Brunswick County Schools has awarded in recent history. We recognize the financial impact this has to the local Community. To this extent, local participation will be incorporated into the project to the greatest extent possible
3. Achieve an equitable distribution of construction contract awards with both local Brunswick County Schools and Historically Underutilized Businesses
4. A minimum participation has been established by Brunswick County Schools as:
   10% HUB participation

HUB PLAN APPROACH:

1. **Extensive outreach and local contracting opportunity conferences**
   The goal of our outreach sessions is to identify all applicable HUB contractors that may participate in the project. During these outreach sessions, we will communicate the proposed project scope and encourage the subcontractor to submit prequalification information. Much of the HUB participation will come from local and HUB suppliers. The goal of the outreach sessions will be to partner the prequalified subcontractors with interested suppliers.
2. **Increase awareness of the project & plan availability**
   We will publish the project prequalification in numerous industry publications, newspapers, bid advertisement publications, and with Historically Underutilized Business Outreach Coordinators throughout North Carolina. Plans, drawings, and addendum will be made available free of charge to minimize the entry cost of obtaining and bidding on the project.
3. **Reduced Barrier Packages (RBPs)**
   We understand that some of the bid packages required on a project of this magnitude may be of sufficient size or scope that would create a "Barrier of Entry" to compete in the market. To ensure that equitable participation is achieved, we have developed specific Reduced Barrier Packages that are of size (typically considered less than $300,000) or scope that allow emerging as well as established Historically Underutilized Businesses a fair chance to compete. These Reduced Barrier Packages are noted on the prequalification form with an asterisk.

4. **Financial assistance**
   In order to increase participation of Historically Underutilized Businesses, Bordeaux Construction will waive the requirement for payment and performance bonding on bid packages less than $300,000. In addition, joint check agreements and quick pay agreements may also be implemented to assist Historically Underutilized Businesses establish credit
5. **Certification Assistance**
   We have staff trained to assist subcontractors apply for Statewide Uniform Certification (SWUC) with the state of North Carolina
6. **HUB Reporting**
   We will prepare monthly reports on contracts awarded to all contractors to ensure commitments made under 1st tier subcontractor's good faith efforts are met. We will prepare monthly reports with each pay application.
7. **List of approved HUB firms**
   HUB list can be found at https://www.ips.state.nc.us/vendor/SearchVendor.aspx and then selecting "HUB Certification" – "Yes" and relevant "Construction/Design Services

SUBCONTRACTOR BIDDING REQUIREMENTS

Provide with the bid - Under GS 143-128.2(c) the undersigned bidder shall identify **on its bid** (Identification of Minority Business Participation Form) the minority businesses that it will use on the project with the total dollar value of the bids that will be performed by the minority businesses. **Also** list the good faith efforts (Affidavit **A**) made to solicit minority participation in the bid effort.

Note: A contractor that performs all of the work with its own workforce may submit an Affidavit (**B)** to that effect in lieu of Affidavit (**A)** required above. The MBE Participation Form must still be submitted even if there is zero participation.

After the bid opening - The Construction Manager will consider all bids and alternates and determine the lowest responsible, responsive bidder. Upon notification of being the apparent low bidder, the bidder shall then file within 72 hours of the notification of being the apparent lowest bidder, the following:

An Affidavit (**C**) that includes a description of the portion of work to be executed by minority businesses, expressed as a percentage of the total contract price, which is equal to or more than the 10% goal established. This affidavit shall give rise to the presumption that the bidder has made the required good faith effort and Affidavit **D** is not necessary;

* Or *

If less than the 10% goal, Affidavit (**D**) of its good faith effort to meet the goal shall be provided. The document must include evidence of all good faith efforts that were implemented, including any advertisements, solicitations and other specific actions demonstrating recruitment and selection of minority businesses for participation in the contract.

Note: Bidders must always submit **with their bid** the Identification of Minority Business Participation Form listing all MB contractors, vendors and suppliers that will be used. Affidavit A **or** Affidavit B, as applicable, also must be submitted with the bid. Failure to file a required affidavit or documentation with the bid or after being notified apparent low bidder is grounds for rejection of the bid.

SECTION 3
BID FORMS

- BIDDERS CHECKLIST
- FORM OF PROPOSAL (SAMPLE)
- REQUIRED AFFIDAVITS & CERTIFICATIONS
  - AFFIDAVIT OF E-VERIFY
  - NON-COLLUSIVE AFFIDAVIT
  - FORM OF NON-COLLUSION/NON-SUSPENSION
  - IRAN DIVESTMENT ACT CERTIFICATION
- REQUIRED MBE FORMS
  - IDENTIFICATION OF MBE PARTICIPATION
  - AFFIDAVIT A
  - AFFIDAVIT B
  - AFFIDAVIT C
  - AFFIDAVIT D
- FORM OF BID BOND (IF APPLICABLE)
- TRADE SPECIFIC BID FORMS

All bids must be submitted in a sealed envelope with the following information marked plainly and legibly on the envelope:

Sealed Bid for:
Project: **Brunswick County Schools**
The Coast Academy and Waccamaw K-2 Building Replacement
Contractor: (Name of Contractor Submitting Bid)
Bid Package: (See note below if submitting on Multiple Bid Packages)

If submitting on multiple bid packages or "Combo" bid packages, submit separate sealed proposals for each package

DOCUMENTS TO BE SUBMITTED ON DAY OF THE BID

The following documents **MUST BE INCLUDED** in the bid proposal package, and **MUST BE FULLY COMPLETED AND EXECUTED** at the time of the submission of the bid.

1. Bid Form – Including Base Bid, Allowances, Unit Prices and Alternate Pricing
2. Acknowledgement of receipt of each and all Addenda
3. Acknowledgement of receipt of each and all CM Clarifications
4. E-Verify Affidavit
5. Identification of Minority Business Participation
6. State of North Carolina Affidavit A – Listing of the Good Faith Efforts
   OR
   State of North Carolina Affidavit B – Intent to Perform Contract with Own Workforce
7. Bid Bond Form or Cashier's Check in the amount of 5% of Bid Proposal for indicated packages with payment and performance bond requirement

DOCUMENTS TO BE SUBMITTED WITHIN 72 HOURS OF BID

The following documents are to be prepared and submitted with supporting documentation within 72 hours of the bid time – if you are the apparent low bidder.

1. State of North Carolina Affidavit C – Portion of Work to be Performed by Minority Forms (if you are not submitting Affidavit B above)
   OR
2. State of North Carolina Affidavit D – Good Faith Effort

FORM OF PROPOSAL

Project: **Brunswick County Schools**

The COAST Academy
1109 Old Ocean Hwy
Bolivia, NC 28422

Waccamaw K-2 Building Replacement
5901 Waccamaw School Road
Ash, NC 28420

Bids Submitted To: Bordeaux Construction Company, Inc. – Construction Manager

NOTE: BASIS OF AWARD WILL BE BASED ON THE LOWEST COMBINED TOTAL PRICE

BID PACKAGE: **BP - XX - TRADE**
BIDDER: _____
NC License #: _____
(License applies to BP 02 Surveying, BP 21A Fire Protection, BP 22A Plumbing, BP 23A HVAC, BP23A HVAC & Plumbing, BP 26A Electrical, BP-28A Security Electronics, or others as required by NC Statute)
Date: _____
Bid Time: _____

The undersigned, as Bidder, hereby declares that the only person or persons interested in this proposal as principal or principals is or are named herein and that no other person than herein mentioned has any interest in this proposal or in the contract to be entered into; that this proposal is made without connection with any other person, company or parties making a bid or proposal; and that it is in all respects fair and in good faith without collusion or fraud. Bidder further declares that he/she has examined the site of the work and the contract documents relative thereto, and has read all special provisions furnished prior to the opening of bids; that Bidder has satisfied themselves relative to the work to be performed.

Bidder proposes and agrees if this proposal is accepted to contract with Bordeaux Construction in the form of contract specified in the bid manual, to furnish all necessary materials, equipment, machinery, tools, apparatus, means of transportation and labor necessary to complete the construction of:

Bid Package 01 – General Inclusions
Bid Package XX - TRADE

in full in complete accordance with the plans, specifications and contract documents, within the contract time as detailed in the Brunswick County Schools – Bid Schedule, to the full and entire satisfaction of Owner and Bordeaux Construction with a definite understanding that no money will be allowed for extra work except as set forth in the General Conditions and the contract documents.

Bid Package: XX - TRADE

SAMPLE

BASE BID

The Base Bid Price includes all Work required by and in strict accordance with the Bid Documents for this Project, for the Lump Sum of:

The COAST Academy $_____(Figures only)

Waccamaw Elementary School $_____(Figures only)

Combined $_____(Figures only)

Project will be awarded to lowest qualified, responsive Combined Bidder. Breakout pricing is requested for Owner's accounting and funding purposes.

ALTERNATES

Should any of the alternates as described in the contract documents be accepted, the amount written below shall be the amount to be "**added to**" the base bid. Alternate price should include all cost of overhead and profit. Construction Manager and Owner expressly reserve the right to accept or reject any or all Alternate Prices in any sequence. Acceptance or rejection of alternates shall not change the contract duration nor relieve the Bidder of timely completion of work within the time periods indicated in the contract documents.

Alternate 1

(Add) _____Dollars ($) (figures only)

ALLOWANCES

Allowances should include all cost of work, overhead and profit to make a complete installation and shall be based upon indicated Quantities and Unit Prices, unless otherwise noted. Use of any allowance shall be as directed by Construction Manager.

All listed allowances shall be included as part of the Base Bid Price:

1. Crushed Stone (NCDOT CABC); **200 Tons** **$_____.**
2. Geotechnical Fabric; **3000 SY** **$_____.**
3. Subsurface Drains; **1000 LF** **$_____.**

SAMPLE

UNIT PRICES

Unit prices quoted and accepted shall apply throughout the life of the contract, except as otherwise specifically noted. Unit prices shall be applied, as appropriate, to compute the total value of changes in the base bid quantity of the work all in accordance with the contract documents. The Construction Manager reserves the right to reject, negotiate, or accept all unit prices prior to contract award.

UP-1 <Unit Price Description> (unit)_____Unit Price ($) _____

SAMPLE

MINORITY BUSINESS PARTICIPATION REQUIREMENTS

Provide with the bid - Under GS 143-128.2(c) the undersigned bidder shall identify **on its bid** (Identification of Minority Business Participation Form) the minority businesses that it will use on the project with the total dollar value of the bids that will be performed by the minority businesses. **Also** list the good faith efforts (Affidavit **A**) made to solicit minority participation in the bid effort.

NOTE: A contractor that performs all of the work with its own workforce may submit an Affidavit **(B)** to that effect in lieu of Affidavit **(A)** required above. The MB Participation Form must still be submitted even if there is zero participation.

After the bid opening - The Construction Manager will consider all bids and alternates and determine the lowest responsible, responsive bidder. Upon notification of being the apparent low bidder, the bidder shall then file within 72 hours of the notification of being the apparent lowest bidder, the following:

An Affidavit **(C)** that includes a description of the portion of work to be executed by minority businesses, expressed as a percentage of the total contract price, which is equal to or more than the 10% goal established. This affidavit shall give rise to the presumption that the bidder has made the required good faith effort and Affidavit **(D)** is not necessary;

* OR *

If less than the 10% goal, Affidavit **(D)** of its good faith effort to meet the goal shall be provided. The document must include evidence of all good faith efforts that were implemented, including any advertisements, solicitations and other specific actions demonstrating recruitment and selection of minority businesses for participation in the contract.

Note: Bidders must always submit **with their bid** the Identification of Minority Business Participation Form listing all MB contractors, vendors and suppliers that will be used. Affidavit A **or** Affidavit B, as applicable, also must be submitted with the bid. Failure to file a required affidavit or documentation with the bid or after being notified apparent low bidder is grounds for rejection of the bid.

SAMPLE

Proposal Signature Page

The bidder further proposes and agrees to commence work under this contract on a date to be specified by the Construction Manager at Risk, and shall pursue the scope of work included in his contract in accordance with the schedule prepared by the Construction Manager at Risk.

Respectfully submitted this,

_____Day of_____, 2019
(Write the Date of the Month in Words) (Write the Name of the Current Month)

WITNESS:

_____
(Witness Signs here if you are a Proprietorship or Partnership)

By: _____
(Printed Name of Person Signing Bid)

_____
(Signature)

TITLE: _____
(Owner, Partner, President or Vice President)

ADDRESS:

_____

_____

_____

LICENSE #:_____

FEDERAL ID#: _____

ATTEST:

By: _____

(CORPORATE SEAL)

TITLE: _____
(Corporate Secretary or Asst. Secretary Only

Bid Manual received and used in computing bid (Initial here) _____

Addendum received and used in computing bid. Failure to acknowledge receipt of addendum may result in bid being considered non-responsive. (Initial each as applicable)

Addendum No. 1 _____ Addendum No. 2 ____ Addendum No. 3_____ Addendum No. 4_____
Addendum No. 5 _____ Addendum No. 6 ____ Addendum No. 7_____ Addendum No. 8_____

Construction Manager Clarification received and used in computing bid. Failure to acknowledge receipt of clarification may result in bid being considered non-responsive (Initial each as applicable)

Clarification No. 1_____ Clarification No. 2____ Clarification No. 3____ Clarification No. 4_____
Clarification No. 5_____ Clarification No. 6____ Clarification No. 7____ Clarification No. 8_____

SAMPLE

STATE OF NORTH CAROLINA

COUNTY OF_____

****

I,_____ (hereinafter Affiant), being duly authorized by and on behalf of _____(hereinafter "Employer") after being duly sworn hereby swears or affirms as follows:

1. Employer understands that E-Verify is the federal E-Verify program operated by the United States Department of Homeland Security and other federal agencies, or any successor or equivalent program used to verify the work authorization of newly hired employees pursuant to federal law in accordance with NCGS 64-25(5).
2. Employer understand that Employers Must Use E-Verify. Each employer, after hiring an employee to work in the United States, shall verify the work authorization of the employee through E-Verify in accordance with NCGS 64-26(a).
3. Employer is a person, business entity, or other organization that transacts business in this State and that employs 25 or more employees in this State. (Mark Yes or No)
    a. YES_____
    b. NO_____
4. Employer's subcontractors must comply with E-Verify and Employer will ensure compliance with E-Verify by any subcontractors subsequently hired.

This _____ day of _____, 2019.

_____
Signature of Affiant

Print or Type Name:_____

State of_____ County of_____

Signed and sworn to (or affirmed) before me, this the_____

Day of _____, 2018

My Commission Expires:_____

_____ _____

Notary Public

(Affix Official/Notarial Seal)

NON-COLLUSIVE AFFIDAVIT

State of _____)
)ss.
County of _____)

First being duly sworn deposes and says that:

(1) He is the _____
(Owner, Partner, Officer, Representative or Agent)
of the BIDDER that has submitted the attached BID;

(2) He is fully informed respecting the preparation and contents of the attached BID and of all pertinent circumstances respecting such BID;

(3) Such BID is genuine and is not a collusive or sham BID;

(4) Neither the said BIDDER nor any of its officers, partners, owners, agents, representatives, employees or parties in interest, including this affiant, have in any way colluded, conspired, connived or agreed, directly or indirectly, with any other BIDDER, firm, or person to submit a collusive or sham BID in connection with the Contract for which the attached BID has been submitted; or to refrain from bidding in connection with such Contract; or have in any manner, directly or indirectly, sought by agreement or collusion, or communication, or conference with any BIDDER, firm, or person to fix the price or prices in the attached BID or of any other BIDDER, or to fix any overhead, profit, or cost elements of the BID price or the BID price of any other BIDDER, or to secure through any collusion, conspiracy, connivance, or unlawful agreement any advantage against (Recipient), or any person interested in the proposed Contract;

(5) The price or prices quoted in the attached BID are fair and proper and are not tainted by any collusion, conspiracy, connivance, or unlawful agreement on the part of the BIDDER or any other of its agents, representatives, owners, employees or parties in interest, including this affidavit.

BY_____

ITS_____
(Title)

Subscribed and sworn to before me this _____ day of, 20___.

_____ My commission expires
Notary Public

END OF AFFIDAVIT

Non-Collusion and Non-Suspension Statement

The undersigned certifies that _____, North Carolina General Contractor License Number _____, has not in connection with this proposal or in any instance engaged in any conspiracy, combination, or any other act in restraint of trade or commerce declared to be unlawful by the provisions of N.C.G.S. 75-1 and 75-2 where the combination, conspiracy or other unlawful act in restraint of trade involves a contract for construction, renovation or repair, let or to be let by a governmental agency or a subcontract for construction renovation or repair with a prime contractor or proposed prime contractor for a governmental agency. N.C.G.S. 133-24.

Furthermore, the undersigned certifies that it is familiar with the response to the RFP for _____ and that said response, is fair and proper and is not tainted by any collusion, conspiracy, connivance or unlawful agreement on the part of the undersigned or any of its agents, representatives, owners, employees or parties in interest. N.C.G.S. 133-30.

Finally, the undersigned certifies that it has not been suspended from bidding by the North Carolina State Building Commission or any other State building authority and that it is not an affiliate or subsidiary of any company suspended by the North Carolina State Building Commission or any other State building authority.

By_____
Title_____
Date_____

IN WITNESS WHEREOF, I have hereunto set my hand and Notarial Seal this the _____day of _____, 20_____.

_____
Official Signature of Notary

_____, Notary Public
Notary's Printed or Typed Name

_____
My Commission Expires:

CERTIFICATION OF ELIGIBILITY
Under the Iran Divestment Act

Pursuant to G.S. 147-86.59, any person identified as engaging in investment activities in Iran, determined by appearing on the Final Divestment List created by the State Treasurer pursuant to G.S. 147-86.58, is ineligible to contract with the State of North Carolina or any political subdivision of the State. The Iran Divestment Act of 2015, G.S. 147-86.55 *et seq*.* requires that each vendor, prior to contracting with the State certify, and the undersigned on behalf of the Vendor does hereby certify, to the following:

1. that the vendor is not identified on the Final Divestment List of entities that the State Treasurer has determined engages in investment activities in Iran;
2. that the vendor shall not utilize on any contract with the State agency any subcontractor that is identified on the Final Divestment List; and
3. that the undersigned is authorized by the Vendor to make this Certification.

Vendor: _____

By: _____ _____
Signature Date

_____ _____
Printed Name Title

The State Treasurer's Final Divestment List can be found on the State Treasurer's website at the address:
https://www.nctreasurer.com/inside-the-department/OpenGovernment/Pages/Iran-Divestment-Act-Resources.aspx
and will be updated every 180 days. For questions about the Department of State Treasurer's Iran Divestment Policy, please contact Meryl Murtagh at *Meryl.Murtagh@nctreasurer.com* or (919) 814-3852.

* Note: Enacted by Session Law 2015-118 as G.S. 143C-55 *et seq*., but has been renumbered for codification at the direction of the Revisor of Statutes.

Identification of HUB Certified/ Minority Business Participation

I,_____,
(Name of Bidder)
do hereby certify that on this project, we will use the following HUB Certified/ minority business as construction subcontractors, vendors, suppliers or providers of professional services.

Firm Name, Address and Phone #	Work Type	*Minority Category	**HUB Certified (Y/N)

*Minority categories: Black, African American (**B**), Hispanic (**H**), Asian American (**A**) American Indian (**I**), Female (**F**) Socially and Economically Disadvantaged (**D**)

**** HUB Certification with the state HUB Office required to be counted toward state participation goals.**

The total value of minority business contracting will be ($)_____.

State of North Carolina AFFIDAVIT A – Listing of Good Faith Efforts

County of _____

(Name of Bidder)

Affidavit of_____

I have made a good faith effort to comply under the following areas checked:

Bidders must earn at least 50 points from the good faith efforts listed for their bid to be considered responsive. (1 NC Administrative Code 30 I.0101)

- ❑ **1 – (10 pts)** Contacted minority businesses that reasonably could have been expected to submit a quote and that were known to the contractor, or available on State or local government maintained lists, at least 10 days before the bid date and notified them of the nature and scope of the work to be performed.
- ❑ **2 --(10 pts)** Made the construction plans, specifications and requirements available for review by prospective minority businesses, or providing these documents to them at least 10 days before the bids are due.
- ❑ **3 – (15 pts)** Broken down or combined elements of work into economically feasible units to facilitate minority participation.
- ❑ **4 – (10 pts)** Worked with minority trade, community, or contractor organizations identified by the Office of Historically Underutilized Businesses and included in the bid documents that provide assistance in recruitment of minority businesses.
- ❑ **5 – (10 pts)** Attended prebid meetings scheduled by the public owner.
- ❑ **6 – (20 pts)** Provided assistance in getting required bonding or insurance or provided alternatives to bonding or insurance for subcontractors.
- ❑ **7 – (15 pts)** Negotiated in good faith with interested minority businesses and did not reject them as unqualified without sound reasons based on their capabilities. Any rejection of a minority business based on lack of qualification should have the reasons documented in writing.
- ❑ **8 – (25 pts)** Provided assistance to an otherwise qualified minority business in need of equipment, loan capital, lines of credit, or joint pay agreements to secure loans, supplies, or letters of credit, including waiving credit that is ordinarily required. Assisted minority businesses in obtaining the same unit pricing with the bidder's suppliers in order to help minority businesses in establishing credit.
- ❑ **9 – (20 pts)** Negotiated joint venture and partnership arrangements with minority businesses in order to increase opportunities for minority business participation on a public construction or repair project when possible.
- ❑ **10 - (20 pts)** Provided quick pay agreements and policies to enable minority contractors and suppliers to meet cash-flow demands.

The undersigned, if apparent low bidder, will enter into a formal agreement with the firms listed in the Identification of Minority Business Participation schedule conditional upon scope of contract to be executed with the Owner. Substitution of contractors must be in accordance with GS143-128.2(d) Failure to abide by this statutory provision will constitute a breach of the contract.

The undersigned hereby certifies that he or she has read the terms of the minority business commitment and is authorized to bind the bidder to the commitment herein set forth.

Date:_____ Name of Authorized Officer:_____

Signature:_____

Title:_____

SEAL

State of_____, County of_____

Subscribed and sworn to before me this _____day of _____20____

Notary Public_____

My commission expires _____

State of North Carolina --AFFIDAVIT B-- Intent to Perform Contract with Own Workforce.

County of _____

Affidavit of _____
(Name of Bidder)

I hereby certify that it is our intent to perform 100% of the work required for the _____

_____ contract.
(Name of Project)

In making this certification, the Bidder states that the Bidder does not customarily subcontract elements of this type project, and normally performs and has the capability to perform and will perform all elements of the work on this project with his/her own current work forces; and

The Bidder agrees to provide any additional information or documentation requested by the owner in support of the above statement. The Bidder agrees to make a Good Faith Effort to utilize minority suppliers where possible.

The undersigned hereby certifies that he or she has read this certification and is authorized to bind the Bidder to the commitments herein contained.

Date: _____ Name of Authorized Officer: _____

Signature: _____

Title: _____

SEAL

State of _____, County of _____

Subscribed and sworn to before me this _____ day of _____ 20___

Notary Public _____

My commission expires _____

State of North Carolina - AFFIDAVIT C - Portion of the Work to be Performed by HUB Certified/Minority Businesses

County of _____

(Note this form is to be submitted only by the apparent lowest responsible, responsive bidder.)

If the portion of the work to be executed by HUB certified/minority businesses as defined in GS143-128.2(g) and 128.4(a),(b),(e) is equal to or greater than 10% of the bidders total contract price, then the bidder must complete this affidavit.
This affidavit shall be provided by the apparent lowest responsible, responsive bidder within **72 hours** after notification of being low bidder.

Affidavit of _____ I do hereby certify that on the
(Name of Bidder)

_____
(Project Name)

Project ID#_____ Amount of Bid $_____

I will expend a minimum of _____% of the total dollar amount of the contract with minority business enterprises. Minority businesses will be employed as construction subcontractors, vendors, suppliers or providers of professional services. Such work will be subcontracted to the following firms listed below. Attach additional sheets if required

Name and Phone Number	*Minority Category	**HUB Certified Y/N	Work Description	Dollar Value

*Minority categories: Black, African American (**B**), Hispanic (**H**), Asian American (**A**) American Indian (**I**), Female (**F**) Socially and Economically Disadvantaged (**D**)

**** HUB Certification with the state HUB Office required to be counted toward state participation goals.**

Pursuant to GS143-128.2(d), the undersigned will enter into a formal agreement with Minority Firms for work listed in this schedule conditional upon execution of a contract with the Owner. Failure to fulfill this commitment may constitute a breach of the contract.

The undersigned hereby certifies that he or she has read the terms of this commitment and is authorized to bind the bidder to the commitment herein set forth.

Date:_____ Name of Authorized Officer:_____

SEAL

Signature:_____

Title:_____

State of _____, County of _____
Subscribed and sworn to before me this _____day of _____20____
Notary Public_____
My commission expires_____

State of North Carolina AFFIDAVIT D – Good Faith Efforts

County of _____

(Note this form is to be submitted only by the apparent lowest responsible, responsive bidder.)

If the goal of 10% participation by HUB Certified/ minority business **is not** achieved, the Bidder shall provide the following documentation to the Owner of his good faith efforts:

Affidavit of _____ I do hereby certify that on the
(Name of Bidder)

_____
(Project Name)

Project ID#_____ Amount of Bid $_____

I will expend a minimum of _____% of the total dollar amount of the contract with HUB certified/ minority business enterprises. Minority businesses will be employed as construction subcontractors, vendors, suppliers or providers of professional services. Such work will be subcontracted to the following firms listed below. (Attach additional sheets if required)

Name and Phone Number	*Minority Category	**HUB Certified Y/N	Work Description	Dollar Value

***Minority categories: Black, African American (**B**), Hispanic (**H**), Asian American (**A**) American Indian (**I**), Female (**F**) Socially and Economically Disadvantaged (**D**)

****** HUB Certification with the state HUB Office required to be counted toward state participation goals.**

Examples of documentation that may be required to demonstrate the Bidder's good faith efforts to meet the goals set forth in these provisions include, but are not necessarily limited to, the following:

A. Copies of solicitations for quotes to at least three (3) minority business firms from the source list provided by the State for each subcontract to be let under this contract (if 3 or more firms are shown on the source list). Each solicitation shall contain a specific description of the work to be subcontracted, location where bid documents can be reviewed, representative of the Prime Bidder to contact, and location, date and time when quotes must be received.

B. Copies of quotes or responses received from each firm responding to the solicitation.

C. A telephone log of follow-up calls to each firm sent a solicitation.

D. For subcontracts where a minority business firm is not considered the lowest responsible sub-bidder, copies of quotes received from all firms submitting quotes for that particular subcontract.

E. Documentation of any contacts or correspondence to minority business, community, or contractor organizations in an attempt to meet the goal.

F. Copy of pre-bid roster

G. Letter documenting efforts to provide assistance in obtaining required bonding or insurance for minority business.

H. Letter detailing reasons for rejection of minority business due to lack of qualification.

I. Letter documenting proposed assistance offered to minority business in need of equipment, loan capital, lines of credit, or joint pay agreements to secure loans, supplies, or letter of credit, including waiving credit that is ordinarily required.

Failure to provide the documentation as listed in these provisions may result in rejection of the bid and award to the next lowest responsible and responsive bidder.

Pursuant to GS143-128.2(d), the undersigned will enter into a formal agreement with Minority Firms for work listed in this schedule conditional upon execution of a contract with the Owner. Failure to fulfill this commitment may constitute a breach of the contract.

The undersigned hereby certifies that he or she has read the terms of this commitment and is authorized to bind the bidder to the commitment herein set forth.

Date:_____ Name of Authorized Officer:_____

Signature:_____

Title:_____

SEAL

State of _____, County of _____

Subscribed and sworn to before me this _____ day of _____ 20____

Notary Public_____

My commission expires _____

DRAFT

AIA® Document A310™ – 2010

Bid Bond

CONTRACTOR:
(Name, legal status and address)
« »« »
« »

SURETY:
(Name, legal status and principal place of business)
« »« »
« »

OWNER:
(Name, legal status and address)
« »« »
« »

BOND AMOUNT: $ « »

PROJECT:
(Name, location or address, and Project number, if any)
«Waccamaw K-8 Building Replacement»
« »
« »

The Contractor and Surety are bound to the Owner in the amount set forth above, for the payment of which the Contractor and Surety bind themselves, their heirs, executors, administrators, successors and assigns, jointly and severally, as provided herein. The conditions of this Bond are such that if the Owner accepts the bid of the Contractor within the time specified in the bid documents, or within such time period as may be agreed to by the Owner and Contractor, and the Contractor either (1) enters into a contract with the Owner in accordance with the terms of such bid, and gives such bond or bonds as may be specified in the bidding or Contract Documents, with a surety admitted in the jurisdiction of the Project and otherwise acceptable to the Owner, for the faithful performance of such Contract and for the prompt payment of labor and material furnished in the prosecution thereof; or (2) pays to the Owner the difference, not to exceed the amount of this Bond, between the amount specified in said bid and such larger amount for which the Owner may in good faith contract with another party to perform the work covered by said bid, then this obligation shall be null and void, otherwise to remain in full force and effect. The Surety hereby waives any notice of an agreement between the Owner and Contractor to extend the time in which the Owner may accept the bid. Waiver of notice by the Surety shall not apply to any extension exceeding ninety (90) days in the aggregate beyond the time for acceptance of bids specified in the bid documents, and the Owner and Contractor shall obtain the Surety's consent for an extension beyond ninety (90) days.

If this Bond is issued in connection with a subcontractor's bid to a Contractor, the term Contractor in this Bond shall be deemed to be Subcontractor and the term Owner shall be deemed to be Construction Manager.

When this Bond has been furnished to comply with a statutory or other legal requirement in the location of the Project, any provision in this Bond conflicting with said statutory or legal requirement shall be deemed deleted herefrom and provisions conforming to such statutory or other legal requirement shall be deemed incorporated herein. When so furnished, the intent is that this Bond shall be construed as a statutory bond and not as a common law bond.

ADDITIONS AND DELETIONS: The author of this document has added information needed for its completion. The author may also have revised the text of the original AIA standard form. An *Additions and Deletions Report* that notes added information as well as revisions to the standard form text is available from the author and should be reviewed.

This document has important legal consequences. Consultation with an attorney is encouraged with respect to its completion or modification.

Any singular reference to Contractor, Surety, Owner or other party shall be considered plural where applicable.

DRAFT

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User Notes: (1447507283)

Signed and sealed this « » day of « », « »

	« »
	(Contractor as Principal) *(Seal)*
	« »
(Witness)	*(Title)*
	« »
	(Surety) *(Seal)*
	« »
(Witness)	*(Title)*

DRAFT

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User Notes: (1447507283)

FORM OF PROPOSAL

Project: **Brunswick County Schools**

The COAST Academy
1109 Old Ocean Hwy
Bolivia, NC 28422

Waccamaw K-2 Building Replacement
5901 Waccamaw School Road
Ash, NC 28420

Bids Submitted To: Bordeaux Construction Company, Inc. – Construction Manager

NOTE: BASIS OF AWARD WILL BE BASED ON THE LOWEST COMBINED TOTAL PRICE

BID PACKAGE: **BP – 01A General Trades**
BIDDER: _____
NC License #: _____
(License applies to BP 02 Surveying, BP 21A Fire Protection, BP 22A Plumbing, BP 23A HVAC, BP23A HVAC & Plumbing, BP 26A Electrical, BP-28A Security Electronics, or others as required by NC Statute)
Date: **Tuesday, May 26th**
Bid Time: **3:00 pm**

The undersigned, as Bidder, hereby declares that the only person or persons interested in this proposal as principal or principals is or are named herein and that no other person than herein mentioned has any interest in this proposal or in the contract to be entered into; that this proposal is made without connection with any other person, company or parties making a bid or proposal; and that it is in all respects fair and in good faith without collusion or fraud. Bidder further declares that he/she has examined the site of the work and the contract documents relative thereto, and has read all special provisions furnished prior to the opening of bids; that Bidder has satisfied themselves relative to the work to be performed.

Bidder proposes and agrees if this proposal is accepted to contract with Bordeaux Construction in the form of contract specified in the bid manual, to furnish all necessary materials, equipment, machinery, tools, apparatus, means of transportation and labor necessary to complete the construction of:

Bid Package 01 – General Inclusions
Bid Package 01A General Trades

in full in complete accordance with the plans, specifications and contract documents, within the contract time as detailed in each project's respective Bid Schedule, to the full and entire satisfaction of Brunswick County Schools and Bordeaux Construction with a definite understanding that no money will be allowed for extra work except as set forth in the General Conditions and the Contract Documents.

Bid Package: 01A General Trades

BASE BID PRICE

The Base Bid Price includes all Work required by and in strict accordance with the Bid Documents for this Project, for the Lump Sum of:

The COAST Academy $_____(Figures only)

Waccamaw Elementary School $_____(Figures only)

Combined $_____(Figures only)

Project will be awarded to lowest qualified, responsive Combined Bidder. Breakout pricing is requested for Owner's accounting and funding purposes.

ALTERNATES

Should any of the alternates as described in the contract documents be accepted, the amount written below shall be the amount to be "**added to**" the base bid. Alternate price should include all cost of overhead and profit. Construction Manager and Owner expressly reserve the right to accept or reject any or all Alternate Prices in any sequence. Acceptance or rejection of alternates shall not change the contract duration nor relieve the Bidder of timely completion of work within the time periods indicated in the contract documents.

Not Applicable

ALLOWANCES

Allowances should include all cost of work, overhead and profit to make a complete installation and shall be based upon indicated Quantities and Unit Prices, unless otherwise noted. Use of any allowance shall be as directed by Construction Manager.

All listed allowances shall be included as part of the Base Bid Price:

The COAST Academy

#1 Additional cleaning services; **50 hours** **$_____.**

Waccamaw K-2 Building Replacement

#1 Additional cleaning services; **50 hours** **$_____.**

UNIT PRICES

Unit prices quoted and accepted shall apply throughout the life of the contract, except as otherwise specifically noted. Unit prices shall be applied, as appropriate, to compute the total value of changes in the base bid quantity of the work all in accordance with the contract documents. Construction Manager reserves the right to reject, negotiate or accept all unit prices prior to contract award.

The COAST Academy

UP-01 Labor rate **$ _____ / hour**

Waccamaw K-2 Building Replacement

UP-01 Labor rate **$ _____ / hour**

MINORITY BUSINESS PARTICIPATION REQUIREMENTS

Provide with the bid - Under GS 143-128.2(c) the undersigned bidder shall identify **on its bid** (Identification of Minority Business Participation Form) the minority businesses that it will use on the project with the total dollar value of the bids that will be performed by the minority businesses. **Also** list the good faith efforts (Affidavit **A**) made to solicit minority participation in the bid effort.

NOTE: A contractor that performs all of the work with its own workforce may submit an Affidavit (**B)** to that effect in lieu of Affidavit (**A)** required above. The MB Participation Form must still be submitted even if there is zero participation.

After the bid opening - The Construction Manager will consider all bids and alternates and determine the lowest responsible, responsive bidder. Upon notification of being the apparent low bidder, the bidder shall then file within 72 hours of the notification of being the apparent lowest bidder, the following:

An Affidavit (**C**) that includes a description of the portion of work to be executed by minority businesses, expressed as a percentage of the total contract price, which is equal to or more than the 10% goal established. This affidavit shall give rise to the presumption that the bidder has made the required good faith effort and Affidavit **D** is not necessary;

* OR *

If less than the 10% goal, Affidavit (**D**) of its good faith effort to meet the goal shall be provided. The document must include evidence of all good faith efforts that were implemented, including any advertisements, solicitations and other specific actions demonstrating recruitment and selection of minority businesses for participation in the contract.

Note: Bidders must always submit **with their bid** the Identification of Minority Business Participation Form listing all MB contractors, vendors and suppliers that will be used. Affidavit A **or** Affidavit B, as applicable, also must be submitted with the bid. Failure to file a required affidavit or documentation with the bid or after being notified apparent low bidder is grounds for rejection of the bid.

Proposal Signature Page

Bidder further proposes and agrees to commence work under this contract on a date to be specified by the Construction Manager at Risk and shall pursue the scope of work included in its contract in accordance with the schedule prepared by the Construction Manager at Risk.

Respectfully submitted this,

_____Day of_____, 2019
(Write the Date of the Month in Words) (Write the Name of the Current Month)

WITNESS:

_____
(Witness Signs here if you are a Proprietorship or Partnership)

By: _____
(Printed Name of Person Signing Bid)

_____
(Signature)

ADDRESS:
_____

_____

_____

TITLE: _____
(Owner, Partner, President or Vice President)

LICENSE #:_____

FEDERAL ID#: _____

ATTEST:

By: _____

TITLE: _____
(Corporate Secretary or Asst. Secretary Only

(CORPORATE SEAL)

Bid Manual received and used in computing bid (Initial here) _____

Addendum received and used in computing bid. Failure to acknowledge receipt of addendum may result in bid being considered non-responsive. (Initial each as applicable)

Addendum No. 1 _____ Addendum No. 2 ____ Addendum No. 3_____ Addendum No. 4_____

Construction Manager Clarification received and used in computing bid. Failure to acknowledge receipt of clarification may result in bid being considered non-responsive. (Initial each as applicable)

Clarification No. 1_____ Clarification No. 2____ Clarification No. 3____ Clarification No. 4_____
Clarification No. 5_____ Clarification No. 6____ Clarification No. 7____ Clarification No. 8_____

FORM OF PROPOSAL

Project: **Brunswick County Schools**

The COAST Academy
1109 Old Ocean Hwy
Bolivia, NC 28422

Waccamaw K-2 Building Replacement
5901 Waccamaw School Road
Ash, NC 28420

Bids Submitted To: Bordeaux Construction Company, Inc. – Construction Manager

NOTE: BASIS OF AWARD WILL BE BASED ON THE LOWEST COMBINED TOTAL PRICE

BID PACKAGE: **BP – 01B Final Cleaning**
BIDDER: _____
NC License #: _____
(License applies to BP 02 Surveying, BP 21A Fire Protection, BP 22A Plumbing, BP 23A HVAC, BP23A HVAC & Plumbing, BP 26A Electrical, BP-28A Security Electronics, or others as required by NC Statute)
Date: **Tuesday, May 26th**
Bid Time: **3:00 pm**

The undersigned, as Bidder, hereby declares that the only person or persons interested in this proposal as principal or principals is or are named herein and that no other person than herein mentioned has any interest in this proposal or in the contract to be entered into; that this proposal is made without connection with any other person, company or parties making a bid or proposal; and that it is in all respects fair and in good faith without collusion or fraud. Bidder further declares that he/she has examined the site of the work and the contract documents relative thereto, and has read all special provisions furnished prior to the opening of bids; that Bidder has satisfied themselves relative to the work to be performed.

Bidder proposes and agrees if this proposal is accepted to contract with Bordeaux Construction in the form of contract specified in the bid manual, to furnish all necessary materials, equipment, machinery, tools, apparatus, means of transportation and labor necessary to complete the construction of:

Bid Package 01 – General Inclusions
Bid Package 01B Final Cleaning

in full in complete accordance with the plans, specifications and contract documents, within the contract time as detailed in each project's respective Bid Schedule, to the full and entire satisfaction of Randolph County and Bordeaux Construction with a definite understanding that no money will be allowed for extra work except as set forth in the General Conditions and the Contract Documents.

Bid Package: 01B Final Cleaning

BASE BID PRICE

The Base Bid Price includes all Work required by and in strict accordance with the Bid Documents for this Project, for the Lump Sum of:

The COAST Academy $_____(Figures only)

Waccamaw Elementary School $_____(Figures only)

Combined $_____(Figures only)

Project will be awarded to lowest qualified, responsive Combined Bidder. Breakout pricing is requested for Owner's accounting and funding purposes.

ALTERNATES

Should any of the alternates as described in the contract documents be accepted, the amount written below shall be the amount to be "**added to**" the base bid. Alternate price should include all cost of overhead and profit. Construction Manager and Owner expressly reserve the right to accept or reject any or all Alternate Prices in any sequence. Acceptance or rejection of alternates shall not change the contract duration nor relieve the Bidder of timely completion of work within the time periods indicated in the contract documents.

Not Applicable

ALLOWANCES

Allowances should include all cost of work, overhead and profit to make a complete installation and shall be based upon indicated Quantities and Unit Prices, unless otherwise noted. Use of any allowance shall be as directed by Construction Manager.

All listed allowances shall be included as part of the Base Bid Price:

The COAST Academy

#1 Additional cleaning hours; **25 hours** **$_____.**

Waccamaw K-2 Building Replacement

#1 Additional cleaning hours; **25 hours** **$_____.**

UNIT PRICES

Unit prices quoted and accepted shall apply throughout the life of the contract, except as otherwise specifically noted. Unit prices shall be applied, as appropriate, to compute the total value of changes in the base bid quantity of the work all in accordance with the contract documents. Construction Manager reserves the right to reject, negotiate or accept all unit prices prior to contract award.

The COAST Academy

UP-01	Labor rate	**$ _____ / hour**

Waccamaw K-2 Building Replacement

UP-01	Labor rate	**$ _____ / hour**

MINORITY BUSINESS PARTICIPATION REQUIREMENTS

Provide with the bid - Under GS 143-128.2(c) the undersigned bidder shall identify **on its bid** (Identification of Minority Business Participation Form) the minority businesses that it will use on the project with the total dollar value of the bids that will be performed by the minority businesses. **Also** list the good faith efforts (Affidavit **A**) made to solicit minority participation in the bid effort.

NOTE: A contractor that performs all of the work with its own workforce may submit an Affidavit (**B)** to that effect in lieu of Affidavit (**A)** required above. The MB Participation Form must still be submitted even if there is zero participation.

After the bid opening - The Construction Manager will consider all bids and alternates and determine the lowest responsible, responsive bidder. Upon notification of being the apparent low bidder, the bidder shall then file within 72 hours of the notification of being the apparent lowest bidder, the following:

An Affidavit (**C**) that includes a description of the portion of work to be executed by minority businesses, expressed as a percentage of the total contract price, which is equal to or more than the 10% goal established. This affidavit shall give rise to the presumption that the bidder has made the required good faith effort and Affidavit **D** is not necessary;

* OR *

If less than the 10% goal, Affidavit (**D**) of its good faith effort to meet the goal shall be provided. The document must include evidence of all good faith efforts that were implemented, including any advertisements, solicitations and other specific actions demonstrating recruitment and selection of minority businesses for participation in the contract.

Note: Bidders must always submit **with their bid** the Identification of Minority Business Participation Form listing all MB contractors, vendors and suppliers that will be used. Affidavit A **or** Affidavit B, as applicable, also must be submitted with the bid. Failure to file a required affidavit or documentation with the bid or after being notified apparent low bidder is grounds for rejection of the bid.

Proposal Signature Page

Bidder further proposes and agrees to commence work under this contract on a date to be specified by the Construction Manager at Risk, and shall pursue the scope of work included in its contract in accordance with the schedule prepared by the Construction Manager at Risk.

Respectfully submitted this,

_____Day of_____, 2019
(Write the Date of the Month in Words) (Write the Name of the Current Month)

WITNESS:

By: _____
(Printed Name of Person Signing Bid)

_____
(Witness Signs here if you are a Proprietorship or Partnership)

_____
(Signature)

ADDRESS:
_____

TITLE: _____
(Owner, Partner, President or Vice President)

_____

LICENSE #:_____

_____

FEDERAL ID#: _____

ATTEST:

By: _____

(CORPORATE SEAL)

TITLE: _____
(Corporate Secretary or Asst. Secretary Only

Bid Manual received and used in computing bid (Initial here) _____

Addendum received and used in computing bid. Failure to acknowledge receipt of addendum may result in bid being considered non-responsive. (Initial each as applicable)

Addendum No. 1 _____ Addendum No. 2 ____ Addendum No. 3_____ Addendum No. 4_____

Construction Manager Clarification received and used in computing bid. Failure to acknowledge receipt of clarification may result in bid being considered non-responsive. (Initial each as applicable)

Clarification No. 1_____ Clarification No. 2____ Clarification No. 3____ Clarification No. 4_____
Clarification No. 5_____ Clarification No. 6____ Clarification No. 7____ Clarification No. 8_____

FORM OF PROPOSAL

Project: **Brunswick County Schools**

The COAST Academy
1109 Old Ocean Hwy
Bolivia, NC 28422

Waccamaw K-2 Building Replacement
5901 Waccamaw School Road
Ash, NC 28420

Bids Submitted To: Bordeaux Construction Company, Inc. – Construction Manager

NOTE: BASIS OF AWARD WILL BE BASED ON THE LOWEST COMBINED TOTAL PRICE

BID PACKAGE: **BP – 02B Demolition**
BIDDER: _____
NC License #: _____
(License applies to BP 02 Surveying, BP 21A Fire Protection, BP 22A Plumbing, BP 23A HVAC, BP23A HVAC & Plumbing, BP 26A Electrical, BP-28A Security Electronics, or others as required by NC Statute)
Date: **Tuesday, May 26th**
Bid Time: **3:00 pm**

The undersigned, as Bidder, hereby declares that the only person or persons interested in this proposal as principal or principals is or are named herein and that no other person than herein mentioned has any interest in this proposal or in the contract to be entered into; that this proposal is made without connection with any other person, company or parties making a bid or proposal; and that it is in all respects fair and in good faith without collusion or fraud. Bidder further declares that he/she has examined the site of the work and the contract documents relative thereto, and has read all special provisions furnished prior to the opening of bids; that Bidder has satisfied themselves relative to the work to be performed.

Bidder proposes and agrees if this proposal is accepted to contract with Bordeaux Construction in the form of contract specified in the bid manual, to furnish all necessary materials, equipment, machinery, tools, apparatus, means of transportation and labor necessary to complete the construction of:

Bid Package 01 – General Inclusions
Bid Package 02B Demolition

in full in complete accordance with the plans, specifications and contract documents, within the contract time as detailed in each project's respective Bid Schedule, to the full and entire satisfaction of Randolph County and Bordeaux Construction with a definite understanding that no money will be allowed for extra work except as set forth in the General Conditions and the Contract Documents.

Bid Package: 02B Demolition

BASE BID PRICE

The Base Bid Price includes all Work required by and in strict accordance with the Bid Documents for this Project, for the Lump Sum of:

The COAST Academy $_____(Figures only)

Waccamaw Elementary School $_____(Figures only)

Combined $_____(Figures only)

Project will be awarded to lowest qualified, responsive Combined Bidder. Breakout pricing is requested for Owner's accounting and funding purposes.

ALTERNATES

Should any of the alternates as described in the contract documents be accepted, the amount written below shall be the amount to be "**added to**" the base bid. Alternate price should include all cost of overhead and profit. Construction Manager and Owner expressly reserve the right to accept or reject any or all Alternate Prices in any sequence. Acceptance or rejection of alternates shall not change the contract duration nor relieve the Bidder of timely completion of work within the time periods indicated in the contract documents.

Not Applicable

ALLOWANCES

Allowances should include all cost of work, overhead and profit to make a complete installation and shall be based upon indicated Quantities and Unit Prices, unless otherwise noted. Use of any allowance shall be as directed by Construction Manager.

All listed allowances shall be included as part of the Base Bid Price:

Not Applicable

UNIT PRICES

Unit prices quoted and accepted shall apply throughout the life of the contract, except as otherwise specifically noted. Unit prices shall be applied, as appropriate, to compute the total value of changes in the base bid quantity of the work all in accordance with the contract documents. Construction Manager reserves the right to reject, negotiate or accept all unit prices prior to contract award.

Not Applicable

MINORITY BUSINESS PARTICIPATION REQUIREMENTS

Provide with the bid - Under GS 143-128.2(c) the undersigned bidder shall identify **on its bid** (Identification of Minority Business Participation Form) the minority businesses that it will use on the project with the total dollar value of the bids that will be performed by the minority businesses. **Also** list the good faith efforts (Affidavit **A**) made to solicit minority participation in the bid effort.

NOTE: A contractor that performs all of the work with its own workforce may submit an Affidavit (**B)** to that effect in lieu of Affidavit (**A)** required above. The MB Participation Form must still be submitted even if there is zero participation.

After the bid opening - The Construction Manager will consider all bids and alternates and determine the lowest responsible, responsive bidder. Upon notification of being the apparent low bidder, the bidder shall then file within 72 hours of the notification of being the apparent lowest bidder, the following:

An Affidavit (**C**) that includes a description of the portion of work to be executed by minority businesses, expressed as a percentage of the total contract price, which is equal to or more than the 10% goal established. This affidavit shall give rise to the presumption that the bidder has made the required good faith effort and Affidavit **D** is not necessary;

* OR *

If less than the 10% goal, Affidavit (**D**) of its good faith effort to meet the goal shall be provided. The document must include evidence of all good faith efforts that were implemented, including any advertisements, solicitations and other specific actions demonstrating recruitment and selection of minority businesses for participation in the contract.

Note: Bidders must always submit **with their bid** the Identification of Minority Business Participation Form listing all MB contractors, vendors and suppliers that will be used. Affidavit A **or** Affidavit B, as applicable, also must be submitted with the bid. Failure to file a required affidavit or documentation with the bid or after being notified apparent low bidder is grounds for rejection of the bid.

Proposal Signature Page

Bidder further proposes and agrees to commence work under this contract on a date to be specified by the Construction Manager at Risk, and shall pursue the scope of work included in its contract in accordance with the schedule prepared by the Construction Manager at Risk.

Respectfully submitted this,

_____Day of_____, 2019
(Write the Date of the Month in Words) (Write the Name of the Current Month)

WITNESS:

By: _____
(Printed Name of Person Signing Bid)

_____
(Witness Signs here if you are a Proprietorship or Partnership)

_____
(Signature)

ADDRESS:
_____

TITLE: _____
(Owner, Partner, President or Vice President)

_____

LICENSE #:_____

_____

FEDERAL ID#: _____

ATTEST:

By: _____

(CORPORATE SEAL)

TITLE: _____
(Corporate Secretary or Asst. Secretary Only

Bid Manual received and used in computing bid (Initial here) _____

Addendum received and used in computing bid. Failure to acknowledge receipt of addendum may result in bid being considered non-responsive. (Initial each as applicable)

Addendum No. 1 _____ Addendum No. 2 ____ Addendum No. 3_____ Addendum No. 4_____

Construction Manager Clarification received and used in computing bid. Failure to acknowledge receipt of clarification may result in bid being considered non-responsive. (Initial each as applicable)

Clarification No. 1_____ Clarification No. 2____ Clarification No. 3____ Clarification No. 4_____
Clarification No. 5_____ Clarification No. 6____ Clarification No. 7____ Clarification No. 8_____

FORM OF PROPOSAL

Project: **Brunswick County Schools**

The COAST Academy
1109 Old Ocean Hwy
Bolivia, NC 28422

Waccamaw K-2 Building Replacement
5901 Waccamaw School Road
Ash, NC 28420

Bids Submitted To: Bordeaux Construction Company, Inc. – Construction Manager

NOTE: BASIS OF AWARD WILL BE BASED ON THE LOWEST COMBINED TOTAL PRICE

BID PACKAGE: **BP – 03A Turnkey Concrete**
BIDDER: _____
NC License #: _____
(License applies to BP 02 Surveying, BP 21A Fire Protection, BP 22A Plumbing, BP 23A HVAC, BP23A HVAC & Plumbing, BP 26A Electrical, BP-28A Security Electronics, or others as required by NC Statute)
Date: **Tuesday, May 26th**
Bid Time: **3:00 pm**

The undersigned, as Bidder, hereby declares that the only person or persons interested in this proposal as principal or principals is or are named herein and that no other person than herein mentioned has any interest in this proposal or in the contract to be entered into; that this proposal is made without connection with any other person, company or parties making a bid or proposal; and that it is in all respects fair and in good faith without collusion or fraud. Bidder further declares that he/she has examined the site of the work and the contract documents relative thereto, and has read all special provisions furnished prior to the opening of bids; that Bidder has satisfied themselves relative to the work to be performed.

Bidder proposes and agrees if this proposal is accepted to contract with Bordeaux Construction in the form of contract specified in the bid manual, to furnish all necessary materials, equipment, machinery, tools, apparatus, means of transportation and labor necessary to complete the construction of:

Bid Package 00 – General Requirements
Bid Package 03A Turnkey Concrete

in full in complete accordance with the plans, specifications and contract documents, within the contract time as detailed in each project's respective Bid Schedule, to the full and entire satisfaction of Brunswick County Schools and Bordeaux Construction with a definite understanding that no money will be allowed for extra work except as set forth in the General Conditions and the Contract Documents.

Bid Package: 03A Turnkey Concrete

BASE BID PRICE

The Base Bid Price includes all Work required by and in strict accordance with the Bid Documents for this Project, for the Lump Sum of:

The COAST Academy $_____(Figures only)

Waccamaw Elementary School $_____(Figures only)

Combined $_____(Figures only)

Project will be awarded to lowest qualified, responsive Combined Bidder. Breakout pricing is requested for Owner's accounting and funding purposes.

ALTERNATES

Should any of the alternates as described in the contract documents be accepted, the amount written below shall be the amount to be "**added to**" the base bid. Alternate price should include all cost of overhead and profit. Construction Manager and Owner expressly reserve the right to accept or reject any or all Alternate Prices in any sequence. Acceptance or rejection of alternates shall not change the contract duration nor relieve the Bidder of timely completion of work within the time periods indicated in the contract documents.

Waccamaw K-2 Building Replacement

Alternate W-2, Pre-engineered Metal Canopies

Base Bid: Provide a complete installation of the structural framed, metal deck and membrane roof canopies (Main Bus Students & East Canopies) as required to support the project

Alternate: Provide a complete installation of pre-engineered metal canopies (Main Bus Student & East canopies) as indicated in lieu of base bid structural-framed canopies

If **there is no cost between Base Bid and Alternate W-2**, then Alternate W-2 bid shall be "No Cost"; otherwise, indicate the net cost difference to provide Alternate scope

(Add/Deduct) _____Dollars ($) (figures only)

ALLOWANCES

Allowances should include all cost of work, overhead and profit to make a complete installation and shall be based upon indicated Quantities and Unit Prices, unless otherwise noted. Use of any allowance shall be as directed by Construction Manager.

All listed allowances shall be included as part of the Base Bid Price:

Not Applicable

UNIT PRICES

Unit prices quoted and accepted shall apply throughout the life of the contract, except as otherwise specifically noted. Unit prices shall be applied, as appropriate, to compute the total value of changes in the base bid quantity of the work all in accordance with the contract documents. Construction Manager reserves the right to reject, negotiate or accept all unit prices prior to contract award.

Not Applicable

MINORITY BUSINESS PARTICIPATION REQUIREMENTS

Provide with the bid - Under GS 143-128.2(c) the undersigned bidder shall identify **on its bid** (Identification of Minority Business Participation Form) the minority businesses that it will use on the project with the total dollar value of the bids that will be performed by the minority businesses. **Also** list the good faith efforts (Affidavit **A**) made to solicit minority participation in the bid effort.

NOTE: A contractor that performs all of the work with its own workforce may submit an Affidavit (**B)** to that effect in lieu of Affidavit (**A)** required above. The MB Participation Form must still be submitted even if there is zero participation.

After the bid opening - The Construction Manager will consider all bids and alternates and determine the lowest responsible, responsive bidder. Upon notification of being the apparent low bidder, the bidder shall then file within 72 hours of the notification of being the apparent lowest bidder, the following:

An Affidavit (**C**) that includes a description of the portion of work to be executed by minority businesses, expressed as a percentage of the total contract price, which is equal to or more than the 10% goal established. This affidavit shall give rise to the presumption that the bidder has made the required good faith effort and Affidavit **D** is not necessary;

* OR *

If less than the 10% goal, Affidavit (**D**) of its good faith effort to meet the goal shall be provided. The document must include evidence of all good faith efforts that were implemented, including any advertisements, solicitations and other specific actions demonstrating recruitment and selection of minority businesses for participation in the contract.

Note: Bidders must always submit **with their bid** the Identification of Minority Business Participation Form listing all MB contractors, vendors and suppliers that will be used. Affidavit A **or** Affidavit B, as applicable, also must be submitted with the bid. Failure to file a required affidavit or documentation with the bid or after being notified apparent low bidder is grounds for rejection of the bid.

Proposal Signature Page

Bidder further proposes and agrees to commence work under this contract on a date to be specified by the Construction Manager at Risk and shall pursue the scope of work included in its contract in accordance with the schedule prepared by the Construction Manager at Risk.

Respectfully submitted this,

_____Day of_____, 2019
(Write the Date of the Month in Words) (Write the Name of the Current Month)

WITNESS:

_____
(Witness Signs here if you are a Proprietorship or Partnership)

By: _____
(Printed Name of Person Signing Bid)

_____
(Signature)

ADDRESS:
_____

_____

_____

TITLE: _____
(Owner, Partner, President or Vice President)

LICENSE #:_____

FEDERAL ID#: _____

ATTEST:

By: _____

TITLE: _____
(Corporate Secretary or Asst. Secretary Only

(CORPORATE SEAL)

Bid Manual received and used in computing bid (Initial here) _____

Addendum received and used in computing bid. Failure to acknowledge receipt of addendum may result in bid being considered non-responsive. (Initial each as applicable)

Addendum No. 1 _____ Addendum No. 2 ____ Addendum No. 3_____ Addendum No. 4_____

Construction Manager Clarification received and used in computing bid. Failure to acknowledge receipt of clarification may result in bid being considered non-responsive. (Initial each as applicable)

Clarification No. 1_____ Clarification No. 2____ Clarification No. 3____ Clarification No. 4_____
Clarification No. 5_____ Clarification No. 6____ Clarification No. 7____ Clarification No. 8_____

FORM OF PROPOSAL

Project: **Brunswick County Schools**

The COAST Academy
1109 Old Ocean Hwy
Bolivia, NC 28422

Waccamaw K-2 Building Replacement
5901 Waccamaw School Road
Ash, NC 28420

Bids Submitted To: Bordeaux Construction Company, Inc. – Construction Manager

NOTE: BASIS OF AWARD WILL BE BASED ON THE LOWEST COMBINED TOTAL PRICE

BID PACKAGE: **BP – 04A Turnkey Masonry**
BIDDER: _____
NC License #: _____
(License applies to BP 02 Surveying, BP 21A Fire Protection, BP 22A Plumbing, BP 23A HVAC, BP23A HVAC & Plumbing, BP 26A Electrical, BP-28A Security Electronics, or others as required by NC Statute)
Date: **Tuesday, May 26th**
Bid Time: **3:00 pm**

The undersigned, as Bidder, hereby declares that the only person or persons interested in this proposal as principal or principals is or are named herein and that no other person than herein mentioned has any interest in this proposal or in the contract to be entered into; that this proposal is made without connection with any other person, company or parties making a bid or proposal; and that it is in all respects fair and in good faith without collusion or fraud. Bidder further declares that he/she has examined the site of the work and the contract documents relative thereto, and has read all special provisions furnished prior to the opening of bids; that Bidder has satisfied themselves relative to the work to be performed.

Bidder proposes and agrees if this proposal is accepted to contract with Bordeaux Construction in the form of contract specified in the bid manual, to furnish all necessary materials, equipment, machinery, tools, apparatus, means of transportation and labor necessary to complete the construction of:

Bid Package 01 – General Inclusions
Bid Package 04A Turnkey Masonry

in full in complete accordance with the plans, specifications and contract documents, within the contract time as detailed in each project's respective Bid Schedule, to the full and entire satisfaction of Brunswick County Schools and Bordeaux Construction with a definite understanding that no money will be allowed for extra work except as set forth in the General Conditions and the Contract Documents.

Bid Package: 04A Turnkey Masonry

BASE BID PRICE

The Base Bid Price includes all Work required by and in strict accordance with the Bid Documents for this Project, for the Lump Sum of:

The COAST Academy $_____(Figures only)

Waccamaw Elementary School $_____(Figures only)

Combined $_____(Figures only)

Project will be awarded to lowest qualified, responsive Combined Bidder. Breakout pricing is requested for Owner's accounting and funding purposes.

ALTERNATES

Should any of the alternates as described in the contract documents be accepted, the amount written below shall be the amount to be "**added to**" the base bid. Alternate price should include all cost of overhead and profit. Construction Manager and Owner expressly reserve the right to accept or reject any or all Alternate Prices in any sequence. Acceptance or rejection of alternates shall not change the contract duration nor relieve the Bidder of timely completion of work within the time periods indicated in the contract documents.

Not Applicable

ALLOWANCES

Allowances should include all cost of work, overhead and profit to make a complete installation and shall be based upon indicated Quantities and Unit Prices, unless otherwise noted. Use of any allowance shall be as directed by Construction Manager.

All listed allowances shall be included as part of the Base Bid Price:

Not Applicable

UNIT PRICES

Unit prices quoted and accepted shall apply throughout the life of the contract, except as otherwise specifically noted. Unit prices shall be applied, as appropriate, to compute the total value of changes in the base bid quantity of the work all in accordance with the contract documents. Construction Manager reserves the right to reject, negotiate or accept all unit prices prior to contract award.

Not Applicable

MINORITY BUSINESS PARTICIPATION REQUIREMENTS

Provide with the bid - Under GS 143-128.2(c) the undersigned bidder shall identify **on its bid** (Identification of Minority Business Participation Form) the minority businesses that it will use on the project with the total dollar value of the bids that will be performed by the minority businesses. **Also** list the good faith efforts (Affidavit **A**) made to solicit minority participation in the bid effort.

NOTE: A contractor that performs all of the work with its own workforce may submit an Affidavit (**B)** to that effect in lieu of Affidavit (**A)** required above. The MB Participation Form must still be submitted even if there is zero participation.

After the bid opening - The Construction Manager will consider all bids and alternates and determine the lowest responsible, responsive bidder. Upon notification of being the apparent low bidder, the bidder shall then file within 72 hours of the notification of being the apparent lowest bidder, the following:

An Affidavit (**C**) that includes a description of the portion of work to be executed by minority businesses, expressed as a percentage of the total contract price, which is equal to or more than the 10% goal established. This affidavit shall give rise to the presumption that the bidder has made the required good faith effort and Affidavit **D** is not necessary;

* OR *

If less than the 10% goal, Affidavit (**D**) of its good faith effort to meet the goal shall be provided. The document must include evidence of all good faith efforts that were implemented, including any advertisements, solicitations and other specific actions demonstrating recruitment and selection of minority businesses for participation in the contract.

Note: Bidders must always submit **with their bid** the Identification of Minority Business Participation Form listing all MB contractors, vendors and suppliers that will be used. Affidavit A **or** Affidavit B, as applicable, also must be submitted with the bid. Failure to file a required affidavit or documentation with the bid or after being notified apparent low bidder is grounds for rejection of the bid.

Proposal Signature Page

Bidder further proposes and agrees to commence work under this contract on a date to be specified by the Construction Manager at Risk and shall pursue the scope of work included in its contract in accordance with the schedule prepared by the Construction Manager at Risk.

Respectfully submitted this,

_____Day of_____, 2019
(Write the Date of the Month in Words) (Write the Name of the Current Month)

WITNESS:

_____
(Witness Signs here if you are a Proprietorship or Partnership)

By: _____
(Printed Name of Person Signing Bid)

_____
(Signature)

ADDRESS:
_____

_____

_____

TITLE: _____
(Owner, Partner, President or Vice President)

LICENSE #:_____

FEDERAL ID#: _____

ATTEST:

By: _____

TITLE: _____
(Corporate Secretary or Asst. Secretary Only

(CORPORATE SEAL)

Bid Manual received and used in computing bid (Initial here) _____

Addendum received and used in computing bid. Failure to acknowledge receipt of addendum may result in bid being considered non-responsive. (Initial each as applicable)

Addendum No. 1 _____ Addendum No. 2 ____ Addendum No. 3_____ Addendum No. 4_____

Construction Manager Clarification received and used in computing bid. Failure to acknowledge receipt of clarification may result in bid being considered non-responsive. (Initial each as applicable)

Clarification No. 1_____ Clarification No. 2____ Clarification No. 3____ Clarification No. 4_____
Clarification No. 5_____ Clarification No. 6____ Clarification No. 7____ Clarification No. 8_____

FORM OF PROPOSAL

Project: **Brunswick County Schools**

The COAST Academy
1109 Old Ocean Hwy
Bolivia, NC 28422

Waccamaw K-2 Building Replacement
5901 Waccamaw School Road
Ash, NC 28420

Bids Submitted To: Bordeaux Construction Company, Inc. – Construction Manager

NOTE: BASIS OF AWARD WILL BE BASED ON THE LOWEST COMBINED TOTAL PRICE

BID PACKAGE: **BP – 05A Turnkey Steel**
BIDDER: _____
NC License #: _____
(License applies to BP 02 Surveying, BP 21A Fire Protection, BP 22A Plumbing, BP 23A HVAC, BP23A HVAC & Plumbing, BP 26A Electrical, BP-28A Security Electronics, or others as required by NC Statute)
Date: **Tuesday, May 26th**
Bid Time: **3:00 pm**

The undersigned, as Bidder, hereby declares that the only person or persons interested in this proposal as principal or principals is or are named herein and that no other person than herein mentioned has any interest in this proposal or in the contract to be entered into; that this proposal is made without connection with any other person, company or parties making a bid or proposal; and that it is in all respects fair and in good faith without collusion or fraud. Bidder further declares that he/she has examined the site of the work and the contract documents relative thereto, and has read all special provisions furnished prior to the opening of bids; that Bidder has satisfied themselves relative to the work to be performed.

Bidder proposes and agrees if this proposal is accepted to contract with Bordeaux Construction in the form of contract specified in the bid manual, to furnish all necessary materials, equipment, machinery, tools, apparatus, means of transportation and labor necessary to complete the construction of:

Bid Package 01 – General Inclusions
Bid Package 05A Turnkey Steel

in full in complete accordance with the plans, specifications and contract documents, within the contract time as detailed in each project's respective Bid Schedule, to the full and entire satisfaction of Brunswick County Schools and Bordeaux Construction with a definite understanding that no money will be allowed for extra work except as set forth in the General Conditions and the Contract Documents.

Bid Package: 05A Turnkey Steel

BASE BID PRICE

The Base Bid Price includes all Work required by and in strict accordance with the Bid Documents for this Project, for the Lump Sum of:

The COAST Academy $_____(Figures only)

Waccamaw Elementary School $_____(Figures only)

Combined $_____(Figures only)

Project will be awarded to lowest qualified, responsive Combined Bidder. Breakout pricing is requested for Owner's accounting and funding purposes.

ALTERNATES

Should any of the alternates as described in the contract documents be accepted, the amount written below shall be the amount to be "**added to**" the base bid. Alternate price should include all cost of overhead and profit. Construction Manager and Owner expressly reserve the right to accept or reject any or all Alternate Prices in any sequence. Acceptance or rejection of alternates shall not change the contract duration nor relieve the Bidder of timely completion of work within the time periods indicated in the contract documents.

Waccamaw K-2 Building Replacement

Alternate W-2, Pre-engineered Metal Canopies

Base Bid: Provide a complete installation of the structural framed, metal deck and membrane roof canopies (Main Bus Students & East Canopies) as required to support the project

Alternate: Provide a complete installation of pre-engineered metal canopies (Main Bus Student & East canopies) as indicated in lieu of base bid structural-framed canopies

If **there is no cost between Base Bid and Alternate W-2**, then Alternate W-2 bid shall be "No Cost"; otherwise, indicate the net cost difference to provide Alternate scope

(Deduct) _____Dollars ($) (figures only)

ALLOWANCES

Allowances should include all cost of work, overhead and profit to make a complete installation and shall be based upon indicated Quantities and Unit Prices, unless otherwise noted. Use of any allowance shall be as directed by Construction Manager.

All listed allowances shall be included as part of the Base Bid Price:

Not Applicable

UNIT PRICES

Unit prices quoted and accepted shall apply throughout the life of the contract, except as otherwise specifically noted. Unit prices shall be applied, as appropriate, to compute the total value of changes in the base bid quantity of the work all in accordance with the contract documents. Construction Manager reserves the right to reject, negotiate or accept all unit prices prior to contract award.

Not Applicable

MINORITY BUSINESS PARTICIPATION REQUIREMENTS

Provide with the bid - Under GS 143-128.2(c) the undersigned bidder shall identify **on its bid** (Identification of Minority Business Participation Form) the minority businesses that it will use on the project with the total dollar value of the bids that will be performed by the minority businesses. **Also** list the good faith efforts (Affidavit **A**) made to solicit minority participation in the bid effort.

NOTE: A contractor that performs all of the work with its own workforce may submit an Affidavit (**B)** to that effect in lieu of Affidavit (**A)** required above. The MB Participation Form must still be submitted even if there is zero participation.

After the bid opening - The Construction Manager will consider all bids and alternates and determine the lowest responsible, responsive bidder. Upon notification of being the apparent low bidder, the bidder shall then file within 72 hours of the notification of being the apparent lowest bidder, the following:

An Affidavit (**C**) that includes a description of the portion of work to be executed by minority businesses, expressed as a percentage of the total contract price, which is equal to or more than the 10% goal established. This affidavit shall give rise to the presumption that the bidder has made the required good faith effort and Affidavit **D** is not necessary;

* OR *

If less than the 10% goal, Affidavit (**D**) of its good faith effort to meet the goal shall be provided. The document must include evidence of all good faith efforts that were implemented, including any advertisements, solicitations and other specific actions demonstrating recruitment and selection of minority businesses for participation in the contract.

Note: Bidders must always submit **with their bid** the Identification of Minority Business Participation Form listing all MB contractors, vendors and suppliers that will be used. Affidavit A **or** Affidavit B, as applicable, also must be submitted with the bid. Failure to file a required affidavit or documentation with the bid or after being notified apparent low bidder is grounds for rejection of the bid.

Proposal Signature Page

Bidder further proposes and agrees to commence work under this contract on a date to be specified by the Construction Manager at Risk and shall pursue the scope of work included in its contract in accordance with the schedule prepared by the Construction Manager at Risk.

Respectfully submitted this,

_____Day of_____, 2019
(Write the Date of the Month in Words) (Write the Name of the Current Month)

WITNESS:

By: _____
(Printed Name of Person Signing Bid)

_____
(Witness Signs here if you are a Proprietorship or Partnership)

_____
(Signature)

ADDRESS:
_____

TITLE: _____
(Owner, Partner, President or Vice President)

_____

LICENSE #:_____

_____

FEDERAL ID#: _____

ATTEST:

By: _____

(CORPORATE SEAL)

TITLE: _____
(Corporate Secretary or Asst. Secretary Only

Bid Manual received and used in computing bid (Initial here) _____

Addendum received and used in computing bid. Failure to acknowledge receipt of addendum may result in bid being considered non-responsive. (Initial each as applicable)

Addendum No. 1 _____ Addendum No. 2 ____ Addendum No. 3_____ Addendum No. 4_____

Construction Manager Clarification received and used in computing bid. Failure to acknowledge receipt of clarification may result in bid being considered non-responsive. (Initial each as applicable)

Clarification No. 1_____ Clarification No. 2____ Clarification No. 3____ Clarification No. 4_____
Clarification No. 5_____ Clarification No. 6____ Clarification No. 7____ Clarification No. 8_____

FORM OF PROPOSAL

Project: **Brunswick County Schools**

The COAST Academy
1109 Old Ocean Hwy
Bolivia, NC 28422

Waccamaw K-2 Building Replacement
5901 Waccamaw School Road
Ash, NC 28420

Bids Submitted To: Bordeaux Construction Company, Inc. – Construction Manager

NOTE: BASIS OF AWARD WILL BE BASED ON THE LOWEST COMBINED TOTAL PRICE

BID PACKAGE: **BP – 07C Roofing**
BIDDER: _____
NC License #: _____
(License applies to BP 02 Surveying, BP 21A Fire Protection, BP 22A Plumbing, BP 23A HVAC, BP23A HVAC & Plumbing, BP 26A Electrical, BP-28A Security Electronics, or others as required by NC Statute)
Date: **Tuesday, May 26th**
Bid Time: **3:00 pm**

The undersigned, as Bidder, hereby declares that the only person or persons interested in this proposal as principal or principals is or are named herein and that no other person than herein mentioned has any interest in this proposal or in the contract to be entered into; that this proposal is made without connection with any other person, company or parties making a bid or proposal; and that it is in all respects fair and in good faith without collusion or fraud. Bidder further declares that he/she has examined the site of the work and the contract documents relative thereto, and has read all special provisions furnished prior to the opening of bids; that Bidder has satisfied themselves relative to the work to be performed.

Bidder proposes and agrees if this proposal is accepted to contract with Bordeaux Construction in the form of contract specified in the bid manual, to furnish all necessary materials, equipment, machinery, tools, apparatus, means of transportation and labor necessary to complete the construction of:

Bid Package 01 – General Inclusions
Bid Package 07C Roofing

in full in complete accordance with the plans, specifications and contract documents, within the contract time as detailed in each project's respective Bid Schedule, to the full and entire satisfaction of Brunswick County Schools and Bordeaux Construction with a definite understanding that no money will be allowed for extra work except as set forth in the General Conditions and the Contract Documents.

Bid Package: 07C Roofing

BASE BID PRICE

The Base Bid Price includes all Work required by and in strict accordance with the Bid Documents for this Project, for the Lump Sum of:

The COAST Academy $_____(Figures only)

Waccamaw Elementary School $_____(Figures only)

Combined $_____(Figures only)

Project will be awarded to lowest qualified, responsive Combined Bidder. Breakout pricing is requested for Owner's accounting and funding purposes.

ALTERNATES

Should any of the alternates as described in the contract documents be accepted, the amount written below shall be the amount to be "**added to**" the base bid. Alternate price should include all cost of overhead and profit. Construction Manager and Owner expressly reserve the right to accept or reject any or all Alternate Prices in any sequence. Acceptance or rejection of alternates shall not change the contract duration nor relieve the Bidder of timely completion of work within the time periods indicated in the contract documents.

Waccamaw K-2 Building Replacement

Alternate W-2, Pre-engineered Metal Canopies

Base Bid: Provide a complete installation of the structural framed, metal deck and membrane roof canopies (Main Bus Students & East Canopies) as required to support the project

Alternate: Provide a complete installation of pre-engineered metal canopies (Main Bus Student & East canopies) as indicated in lieu of base bid structural-framed canopies

If **there is no cost between Base Bid and Alternate W-2**, then Alternate W-2 bid shall be "No Cost"; otherwise, indicate the net cost difference to provide Alternate scope

(Add/Deduct) _____Dollars ($) (figures only)

ALLOWANCES

Allowances should include all cost of work, overhead and profit to make a complete installation and shall be based upon indicated Quantities and Unit Prices, unless otherwise noted. Use of any allowance shall be as directed by Construction Manager.

All listed allowances shall be included as part of the Base Bid Price:

Not Applicable

UNIT PRICES

Unit prices quoted and accepted shall apply throughout the life of the contract, except as otherwise specifically noted. Unit prices shall be applied, as appropriate, to compute the total value of changes in the base bid quantity of the work all in accordance with the contract documents. Construction Manager reserves the right to reject, negotiate or accept all unit prices prior to contract award.

Not Applicable

MINORITY BUSINESS PARTICIPATION REQUIREMENTS

Provide with the bid - Under GS 143-128.2(c) the undersigned bidder shall identify **on its bid** (Identification of Minority Business Participation Form) the minority businesses that it will use on the project with the total dollar value of the bids that will be performed by the minority businesses. **Also** list the good faith efforts (Affidavit **A**) made to solicit minority participation in the bid effort.

NOTE: A contractor that performs all of the work with its own workforce may submit an Affidavit (**B)** to that effect in lieu of Affidavit (**A)** required above. The MB Participation Form must still be submitted even if there is zero participation.

After the bid opening - The Construction Manager will consider all bids and alternates and determine the lowest responsible, responsive bidder. Upon notification of being the apparent low bidder, the bidder shall then file within 72 hours of the notification of being the apparent lowest bidder, the following:

An Affidavit (**C**) that includes a description of the portion of work to be executed by minority businesses, expressed as a percentage of the total contract price, which is equal to or more than the 10% goal established. This affidavit shall give rise to the presumption that the bidder has made the required good faith effort and Affidavit **D** is not necessary;

* OR *

If less than the 10% goal, Affidavit (**D**) of its good faith effort to meet the goal shall be provided. The document must include evidence of all good faith efforts that were implemented, including any advertisements, solicitations and other specific actions demonstrating recruitment and selection of minority businesses for participation in the contract.

Note: Bidders must always submit **with their bid** the Identification of Minority Business Participation Form listing all MB contractors, vendors and suppliers that will be used. Affidavit A **or** Affidavit B, as applicable, also must be submitted with the bid. Failure to file a required affidavit or documentation with the bid or after being notified apparent low bidder is grounds for rejection of the bid.

Proposal Signature Page

Bidder further proposes and agrees to commence work under this contract on a date to be specified by the Construction Manager at Risk and shall pursue the scope of work included in its contract in accordance with the schedule prepared by the Construction Manager at Risk.

Respectfully submitted this,

_____Day of_____, 2019
(Write the Date of the Month in Words) (Write the Name of the Current Month)

WITNESS:

By: _____
(Printed Name of Person Signing Bid)

_____
(Witness Signs here if you are a Proprietorship or Partnership)

_____
(Signature)

ADDRESS:
_____

TITLE: _____
(Owner, Partner, President or Vice President)

_____

LICENSE #:_____

_____

FEDERAL ID#: _____

ATTEST:

By: _____

(CORPORATE SEAL)

TITLE: _____
(Corporate Secretary or Asst. Secretary Only

Bid Manual received and used in computing bid (Initial here) _____

Addendum received and used in computing bid. Failure to acknowledge receipt of addendum may result in bid being considered non-responsive. (Initial each as applicable)

Addendum No. 1 _____ Addendum No. 2 ____ Addendum No. 3_____ Addendum No. 4_____

Construction Manager Clarification received and used in computing bid. Failure to acknowledge receipt of clarification may result in bid being considered non-responsive. (Initial each as applicable)

Clarification No. 1_____ Clarification No. 2____ Clarification No. 3____ Clarification No. 4_____
Clarification No. 5_____ Clarification No. 6____ Clarification No. 7____ Clarification No. 8_____

FORM OF PROPOSAL

Project: **Brunswick County Schools**

The COAST Academy
1109 Old Ocean Hwy
Bolivia, NC 28422

Waccamaw K-2 Building Replacement
5901 Waccamaw School Road
Ash, NC 28420

Bids Submitted To: Bordeaux Construction Company, Inc. – Construction Manager

NOTE: BASIS OF AWARD WILL BE BASED ON THE LOWEST COMBINED TOTAL PRICE

BID PACKAGE: **BP – 07D Caulk and Sealants**
BIDDER: _____
NC License #: _____
(License applies to BP 02 Surveying, BP 21A Fire Protection, BP 22A Plumbing, BP 23A HVAC, BP23A HVAC & Plumbing, BP 26A Electrical, BP-28A Security Electronics, or others as required by NC Statute)
Date: **Tuesday, May 26th**
Bid Time: **3:00 pm**

The undersigned, as Bidder, hereby declares that the only person or persons interested in this proposal as principal or principals is or are named herein and that no other person than herein mentioned has any interest in this proposal or in the contract to be entered into; that this proposal is made without connection with any other person, company or parties making a bid or proposal; and that it is in all respects fair and in good faith without collusion or fraud. Bidder further declares that he/she has examined the site of the work and the contract documents relative thereto, and has read all special provisions furnished prior to the opening of bids; that Bidder has satisfied themselves relative to the work to be performed.

Bidder proposes and agrees if this proposal is accepted to contract with Bordeaux Construction in the form of contract specified in the bid manual, to furnish all necessary materials, equipment, machinery, tools, apparatus, means of transportation and labor necessary to complete the construction of:

Bid Package 01 – General Inclusions
Bid Package 07D Caulk and Sealants

in full in complete accordance with the plans, specifications and contract documents, within the contract time as detailed in each project's respective Bid Schedule, to the full and entire satisfaction of Brunswick County Schools and Bordeaux Construction with a definite understanding that no money will be allowed for extra work except as set forth in the General Conditions and the Contract Documents.

Bid Package: 07D Caulk and Sealants

BASE BID PRICE

The Base Bid Price includes all Work required by and in strict accordance with the Bid Documents for this Project, for the Lump Sum of:

The COAST Academy $_____(Figures only)

Waccamaw Elementary School $_____(Figures only)

Combined $_____(Figures only)

Project will be awarded to lowest qualified, responsive Combined Bidder. Breakout pricing is requested for Owner's accounting and funding purposes.

ALTERNATES

Should any of the alternates as described in the contract documents be accepted, the amount written below shall be the amount to be "**added to**" the base bid. Alternate price should include all cost of overhead and profit. Construction Manager and Owner expressly reserve the right to accept or reject any or all Alternate Prices in any sequence. Acceptance or rejection of alternates shall not change the contract duration nor relieve the Bidder of timely completion of work within the time periods indicated in the contract documents.

Not Applicable

ALLOWANCES

Allowances should include all cost of work, overhead and profit to make a complete installation and shall be based upon indicated Quantities and Unit Prices, unless otherwise noted. Use of any allowance shall be as directed by Construction Manager.

All listed allowances shall be included as part of the Base Bid Price:

Not Applicable

UNIT PRICES

Unit prices quoted and accepted shall apply throughout the life of the contract, except as otherwise specifically noted. Unit prices shall be applied, as appropriate, to compute the total value of changes in the base bid quantity of the work all in accordance with the contract documents. Construction Manager reserves the right to reject, negotiate or accept all unit prices prior to contract award.

Not Applicable

MINORITY BUSINESS PARTICIPATION REQUIREMENTS

Provide with the bid - Under GS 143-128.2(c) the undersigned bidder shall identify **on its bid** (Identification of Minority Business Participation Form) the minority businesses that it will use on the project with the total dollar value of the bids that will be performed by the minority businesses. **Also** list the good faith efforts (Affidavit **A**) made to solicit minority participation in the bid effort.

NOTE: A contractor that performs all of the work with its own workforce may submit an Affidavit (**B)** to that effect in lieu of Affidavit (**A)** required above. The MB Participation Form must still be submitted even if there is zero participation.

After the bid opening - The Construction Manager will consider all bids and alternates and determine the lowest responsible, responsive bidder. Upon notification of being the apparent low bidder, the bidder shall then file within 72 hours of the notification of being the apparent lowest bidder, the following:

An Affidavit (**C**) that includes a description of the portion of work to be executed by minority businesses, expressed as a percentage of the total contract price, which is equal to or more than the 10% goal established. This affidavit shall give rise to the presumption that the bidder has made the required good faith effort and Affidavit **D** is not necessary;

* OR *

If less than the 10% goal, Affidavit (**D**) of its good faith effort to meet the goal shall be provided. The document must include evidence of all good faith efforts that were implemented, including any advertisements, solicitations and other specific actions demonstrating recruitment and selection of minority businesses for participation in the contract.

Note: Bidders must always submit **with their bid** the Identification of Minority Business Participation Form listing all MB contractors, vendors and suppliers that will be used. Affidavit A **or** Affidavit B, as applicable, also must be submitted with the bid. Failure to file a required affidavit or documentation with the bid or after being notified apparent low bidder is grounds for rejection of the bid.

Proposal Signature Page

Bidder further proposes and agrees to commence work under this contract on a date to be specified by the Construction Manager at Risk and shall pursue the scope of work included in its contract in accordance with the schedule prepared by the Construction Manager at Risk.

Respectfully submitted this,

_____Day of_____, 2019
(Write the Date of the Month in Words) (Write the Name of the Current Month)

WITNESS:

_____
(Witness Signs here if you are a Proprietorship or Partnership)

By: _____
(Printed Name of Person Signing Bid)

_____
(Signature)

ADDRESS:
_____

_____

_____

TITLE: _____
(Owner, Partner, President or Vice President)

LICENSE #:_____

FEDERAL ID#: _____

ATTEST:

By: _____

TITLE: _____
(Corporate Secretary or Asst. Secretary Only

(CORPORATE SEAL)

Bid Manual received and used in computing bid (Initial here) _____

Addendum received and used in computing bid. Failure to acknowledge receipt of addendum may result in bid being considered non-responsive. (Initial each as applicable)

Addendum No. 1 _____ Addendum No. 2 ____ Addendum No. 3_____ Addendum No. 4_____

Construction Manager Clarification received and used in computing bid. Failure to acknowledge receipt of clarification may result in bid being considered non-responsive. (Initial each as applicable)

Clarification No. 1_____ Clarification No. 2____ Clarification No. 3____ Clarification No. 4_____
Clarification No. 5_____ Clarification No. 6____ Clarification No. 7____ Clarification No. 8_____

FORM OF PROPOSAL

Project: **Brunswick County Schools**

The COAST Academy
1109 Old Ocean Hwy
Bolivia, NC 28422

Waccamaw K-2 Building Replacement
5901 Waccamaw School Road
Ash, NC 28420

Bids Submitted To: Bordeaux Construction Company, Inc. – Construction Manager

NOTE: BASIS OF AWARD WILL BE BASED ON THE LOWEST COMBINED TOTAL PRICE

BID PACKAGE: **BP – 08A Aluminum Storefront & Glazing**
BIDDER: _____
NC License #: _____
(License applies to BP 02 Surveying, BP 21A Fire Protection, BP 22A Plumbing, BP 23A HVAC, BP23A HVAC & Plumbing, BP 26A Electrical, BP-28A Security Electronics, or others as required by NC Statute)
Date: **Tuesday, May 26th**
Bid Time: **3:00 pm**

The undersigned, as Bidder, hereby declares that the only person or persons interested in this proposal as principal or principals is or are named herein and that no other person than herein mentioned has any interest in this proposal or in the contract to be entered into; that this proposal is made without connection with any other person, company or parties making a bid or proposal; and that it is in all respects fair and in good faith without collusion or fraud. Bidder further declares that he/she has examined the site of the work and the contract documents relative thereto, and has read all special provisions furnished prior to the opening of bids; that Bidder has satisfied themselves relative to the work to be performed.

Bidder proposes and agrees if this proposal is accepted to contract with Bordeaux Construction in the form of contract specified in the bid manual, to furnish all necessary materials, equipment, machinery, tools, apparatus, means of transportation and labor necessary to complete the construction of:

Bid Package 01 – General Inclusions
Bid Package 08A Aluminum Storefront & Glazing

in full in complete accordance with the plans, specifications and contract documents, within the contract time as detailed in each project's respective Bid Schedule, to the full and entire satisfaction of Brunswick County Schools and Bordeaux Construction with a definite understanding that no money will be allowed for extra work except as set forth in the General Conditions and the Contract Documents.

Bid Package: 08A Aluminum Storefront & Glazing

BASE BID PRICE

The Base Bid Price includes all Work required by and in strict accordance with the Bid Documents for this Project, for the Lump Sum of:

The COAST Academy $_____(Figures only)

Waccamaw Elementary School $_____(Figures only)

Combined $_____(Figures only)

Project will be awarded to lowest qualified, responsive Combined Bidder. Breakout pricing is requested for Owner's accounting and funding purposes.

ALTERNATES

Should any of the alternates as described in the contract documents be accepted, the amount written below shall be the amount to be "**added to**" the base bid. Alternate price should include all cost of overhead and profit. Construction Manager and Owner expressly reserve the right to accept or reject any or all Alternate Prices in any sequence. Acceptance or rejection of alternates shall not change the contract duration nor relieve the Bidder of timely completion of work within the time periods indicated in the contract documents.

Not Applicable

ALLOWANCES

Allowances should include all cost of work, overhead and profit to make a complete installation and shall be based upon indicated Quantities and Unit Prices, unless otherwise noted. Use of any allowance shall be as directed by Construction Manager.

All listed allowances shall be included as part of the Base Bid Price:

Not Applicable

UNIT PRICES

Unit prices quoted and accepted shall apply throughout the life of the contract, except as otherwise specifically noted. Unit prices shall be applied, as appropriate, to compute the total value of changes in the base bid quantity of the work all in accordance with the contract documents. Construction Manager reserves the right to reject, negotiate or accept all unit prices prior to contract award.

Not Applicable

MINORITY BUSINESS PARTICIPATION REQUIREMENTS

Provide with the bid - Under GS 143-128.2(c) the undersigned bidder shall identify **on its bid** (Identification of Minority Business Participation Form) the minority businesses that it will use on the project with the total dollar value of the bids that will be performed by the minority businesses. **Also** list the good faith efforts (Affidavit **A**) made to solicit minority participation in the bid effort.

NOTE: A contractor that performs all of the work with its own workforce may submit an Affidavit (**B)** to that effect in lieu of Affidavit (**A)** required above. The MB Participation Form must still be submitted even if there is zero participation.

After the bid opening - The Construction Manager will consider all bids and alternates and determine the lowest responsible, responsive bidder. Upon notification of being the apparent low bidder, the bidder shall then file within 72 hours of the notification of being the apparent lowest bidder, the following:

An Affidavit (**C**) that includes a description of the portion of work to be executed by minority businesses, expressed as a percentage of the total contract price, which is equal to or more than the 10% goal established. This affidavit shall give rise to the presumption that the bidder has made the required good faith effort and Affidavit **D** is not necessary;

* OR *

If less than the 10% goal, Affidavit (**D**) of its good faith effort to meet the goal shall be provided. The document must include evidence of all good faith efforts that were implemented, including any advertisements, solicitations and other specific actions demonstrating recruitment and selection of minority businesses for participation in the contract.

Note: Bidders must always submit **with their bid** the Identification of Minority Business Participation Form listing all MB contractors, vendors and suppliers that will be used. Affidavit A **or** Affidavit B, as applicable, also must be submitted with the bid. Failure to file a required affidavit or documentation with the bid or after being notified apparent low bidder is grounds for rejection of the bid.

Proposal Signature Page

Bidder further proposes and agrees to commence work under this contract on a date to be specified by the Construction Manager at Risk and shall pursue the scope of work included in its contract in accordance with the schedule prepared by the Construction Manager at Risk.

Respectfully submitted this,

_____Day of_____, 2019
(Write the Date of the Month in Words) (Write the Name of the Current Month)

WITNESS:

_____
(Witness Signs here if you are a Proprietorship or Partnership)

By: _____
(Printed Name of Person Signing Bid)

_____
(Signature)

ADDRESS:
_____

_____

_____

TITLE: _____
(Owner, Partner, President or Vice President)

LICENSE #:_____

FEDERAL ID#: _____

ATTEST:

By: _____

TITLE: _____
(Corporate Secretary or Asst. Secretary Only

(CORPORATE SEAL)

Bid Manual received and used in computing bid (Initial here) _____

Addendum received and used in computing bid. Failure to acknowledge receipt of addendum may result in bid being considered non-responsive. (Initial each as applicable)

Addendum No. 1 _____ Addendum No. 2 ____ Addendum No. 3_____ Addendum No. 4_____

Construction Manager Clarification received and used in computing bid. Failure to acknowledge receipt of clarification may result in bid being considered non-responsive. (Initial each as applicable)

Clarification No. 1_____ Clarification No. 2____ Clarification No. 3____ Clarification No. 4_____
Clarification No. 5_____ Clarification No. 6____ Clarification No. 7____ Clarification No. 8_____

FORM OF PROPOSAL

Project: **Brunswick County Schools**

The COAST Academy
1109 Old Ocean Hwy
Bolivia, NC 28422

Waccamaw K-2 Building Replacement
5901 Waccamaw School Road
Ash, NC 28420

Bids Submitted To: Bordeaux Construction Company, Inc. – Construction Manager

NOTE: BASIS OF AWARD WILL BE BASED ON THE LOWEST COMBINED TOTAL PRICE

BID PACKAGE: **BP – 08C Doors & Hardware**
BIDDER: _____
NC License #: _____
(License applies to BP 02 Surveying, BP 21A Fire Protection, BP 22A Plumbing, BP 23A HVAC, BP23A HVAC & Plumbing, BP 26A Electrical, BP-28A Security Electronics, or others as required by NC Statute)
Date: **Tuesday, May 26th**
Bid Time: **3:00 pm**

The undersigned, as Bidder, hereby declares that the only person or persons interested in this proposal as principal or principals is or are named herein and that no other person than herein mentioned has any interest in this proposal or in the contract to be entered into; that this proposal is made without connection with any other person, company or parties making a bid or proposal; and that it is in all respects fair and in good faith without collusion or fraud. Bidder further declares that he/she has examined the site of the work and the contract documents relative thereto, and has read all special provisions furnished prior to the opening of bids; that Bidder has satisfied themselves relative to the work to be performed.

Bidder proposes and agrees if this proposal is accepted to contract with Bordeaux Construction in the form of contract specified in the bid manual, to furnish all necessary materials, equipment, machinery, tools, apparatus, means of transportation and labor necessary to complete the construction of:

Bid Package 01 – General Inclusions
Bid Package 08C Doors & Hardware

in full in complete accordance with the plans, specifications and contract documents, within the contract time as detailed in each project's respective Bid Schedule, to the full and entire satisfaction of Brunswick County Schools and Bordeaux Construction with a definite understanding that no money will be allowed for extra work except as set forth in the General Conditions and the Contract Documents.

Bid Package: 08C Doors & Hardware

BASE BID PRICE

The Base Bid Price includes all Work required by and in strict accordance with the Bid Documents for this Project, for the Lump Sum of:

The COAST Academy $_____(Figures only)

Waccamaw Elementary School $_____(Figures only)

Combined $_____(Figures only)

Project will be awarded to lowest qualified, responsive Combined Bidder. Breakout pricing is requested for Owner's accounting and funding purposes.

ALTERNATES

Should any of the alternates as described in the contract documents be accepted, the amount written below shall be the amount to be "**added to**" the base bid. Alternate price should include all cost of overhead and profit. Construction Manager and Owner expressly reserve the right to accept or reject any or all Alternate Prices in any sequence. Acceptance or rejection of alternates shall not change the contract duration nor relieve the Bidder of timely completion of work within the time periods indicated in the contract documents.

The COAST Academy

Alternate C-3, Owner Preferred Brand – Schlage locks

Base Bid: Provide a complete installation of door locksets, cylinders and keying as required to support the project

Alternate: Provide a complete installation using **Schlage** locksets, cylinders and keying. Installation must fully integrate with Owner's proprietary **Schlage** keyway system.

If **Schlage** is the apparent low lockset provider, Alternate C-3 bid shall be "No Cost"; otherwise, indicate the net cost difference to provide Alternate scope

(Add) _____Dollars ($) (figures only)

Alternate C-4, Owner Preferred Brand – LCN Door Closers

Base Bid: Provide a complete installation of door closers as required to support the project

Alternate: Provide a complete installation using **LCN door closers**

If **LCN** is the apparent low door closer provider, Alternate C-4 bid shall be "No Cost"; otherwise, indicate the net cost difference to provide Alternate scope

(Add) _____Dollars ($) (figures only)

Alternate C-5, Owner Preferred Brand – Von Duprin Exit Devices

Base Bid: Provide a complete installation of door exit devices as required to support the project

Alternate: Provide a complete installation using **Von Duprin exit devices**

If **Von Duprin** is the apparent low exit device provider, Alternate C-5 bid shall be "No Cost"; otherwise, indicate the net cost difference to provide Alternate scope

(Add) _____Dollars ($) (figures only)

Alternate C-6, Owner Preferred Brand – Open Options Software Integration

Base Bid: Provide a complete card access control system installation as required to support the project

Alternate: Provide a complete card access control installation using devices and electronic locks compatible with **Open Options Software** as required to support the project. Installation must fully integrate with Owner's existing **Open Options Software** access control system.

If electronic locks and devices are compatible with **Open Options Software**, Alternate C-6 bid shall be "No Cost"; otherwise, indicate the net cost difference to provide Alternate scope

(Add) _____Dollars ($) (figures only)

Waccamaw K-2 Building Replacement

Alternate W-3, Owner Preferred Brand – Schlage locks

Base Bid: Provide a complete installation of door locksets, cylinders and keying as required to support the project

Alternate: Provide a complete installation using **Schlage** locksets, cylinders and keying. Installation must fully integrate with Owner's proprietary **Schlage** keyway system.

If **Schlage** is the apparent low lockset provider, Alternate W-3 bid shall be "No Cost"; otherwise, indicate the net cost difference to provide Alternate scope

(Add) _____Dollars ($) (figures only)

Alternate W-4, Owner Preferred Brand – LCN Door Closers

Base Bid: Provide a complete installation of door closers as required to support the project

Alternate: Provide a complete installation using **LCN door closers**

If **LCN** is the apparent low door closer provider, Alternate W-4 bid shall be "No Cost"; otherwise, indicate the net cost difference to provide Alternate scope

(Add) _____Dollars ($) (figures only)

Alternate W-5, Owner Preferred Brand – Von Duprin Exit Devices

Base Bid: Provide a complete installation of door exit devices as required to support the project

Alternate: Provide a complete installation using **Von Duprin exit devices**

If **Von Duprin** is the apparent low exit device provider, Alternate W-5 bid shall be "No Cost"; otherwise, indicate the net cost difference to provide Alternate scope

(Add) _____Dollars ($) (figures only)

Alternate W-6, Owner Preferred Brand – Open Options Software Integration

Base Bid: Provide a complete card access control system installation as required to support the project

Alternate: Provide a complete card access control installation using devices and electronic locks compatible with **Open Options Software** as required to support the project. Installation must fully integrate with Owner's existing **Open Options Software** access control system.

If electronic locks and devices are compatible with **Open Options Software**, Alternate W-6 bid shall be "No Cost"; otherwise, indicate the net cost difference to provide Alternate scope

(Add) _____Dollars ($) (figures only)

ALLOWANCES

Allowances should include all cost of work, overhead and profit to make a complete installation and shall be based upon indicated Quantities and Unit Prices, unless otherwise noted. Use of any allowance shall be as directed by Construction Manager.

All listed allowances shall be included as part of the Base Bid Price:

Not Applicable

UNIT PRICES

Unit prices quoted and accepted shall apply throughout the life of the contract, except as otherwise specifically noted. Unit prices shall be applied, as appropriate, to compute the total value of changes in the base bid quantity of the work all in accordance with the contract documents. Construction Manager reserves the right to reject, negotiate or accept all unit prices prior to contract award.

Not Applicable

MINORITY BUSINESS PARTICIPATION REQUIREMENTS

Provide with the bid - Under GS 143-128.2(c) the undersigned bidder shall identify **on its bid** (Identification of Minority Business Participation Form) the minority businesses that it will use on the project with the total dollar value of the bids that will be performed by the minority businesses. **Also** list the good faith efforts (Affidavit **A**) made to solicit minority participation in the bid effort.

NOTE: A contractor that performs all of the work with its own workforce may submit an Affidavit (**B)** to that effect in lieu of Affidavit (**A)** required above. The MB Participation Form must still be submitted even if there is zero participation.

After the bid opening - The Construction Manager will consider all bids and alternates and determine the lowest responsible, responsive bidder. Upon notification of being the apparent low bidder, the bidder shall then file within 72 hours of the notification of being the apparent lowest bidder, the following:

An Affidavit (**C**) that includes a description of the portion of work to be executed by minority businesses, expressed as a percentage of the total contract price, which is equal to or more than the 10% goal established. This affidavit shall give rise to the presumption that the bidder has made the required good faith effort and Affidavit **D** is not necessary;

* OR *

If less than the 10% goal, Affidavit (**D**) of its good faith effort to meet the goal shall be provided. The document must include evidence of all good faith efforts that were implemented, including any advertisements, solicitations and other specific actions demonstrating recruitment and selection of minority businesses for participation in the contract.

Note: Bidders must always submit **with their bid** the Identification of Minority Business Participation Form listing all MB contractors, vendors and suppliers that will be used. Affidavit A **or** Affidavit B, as applicable, also must be submitted with the bid. Failure to file a required affidavit or documentation with the bid or after being notified apparent low bidder is grounds for rejection of the bid.

Proposal Signature Page

Bidder further proposes and agrees to commence work under this contract on a date to be specified by the Construction Manager at Risk and shall pursue the scope of work included in its contract in accordance with the schedule prepared by the Construction Manager at Risk.

Respectfully submitted this,

_____Day of_____, 2019
(Write the Date of the Month in Words) (Write the Name of the Current Month)

WITNESS:

By: _____
(Printed Name of Person Signing Bid)

_____
(Witness Signs here if you are a Proprietorship or Partnership)

_____
(Signature)

ADDRESS:
_____

TITLE: _____
(Owner, Partner, President or Vice President)

_____

LICENSE #:_____

_____

FEDERAL ID#: _____

ATTEST:

By: _____

(CORPORATE SEAL)

TITLE: _____
(Corporate Secretary or Asst. Secretary Only

Bid Manual received and used in computing bid (Initial here) _____

Addendum received and used in computing bid. Failure to acknowledge receipt of addendum may result in bid being considered non-responsive. (Initial each as applicable)

Addendum No. 1 _____ Addendum No. 2 ____ Addendum No. 3_____ Addendum No. 4_____

Construction Manager Clarification received and used in computing bid. Failure to acknowledge receipt of clarification may result in bid being considered non-responsive. (Initial each as applicable)

Clarification No. 1_____ Clarification No. 2____ Clarification No. 3____ Clarification No. 4_____
Clarification No. 5_____ Clarification No. 6____ Clarification No. 7____ Clarification No. 8_____

FORM OF PROPOSAL

Project: **Brunswick County Schools**

The COAST Academy
1109 Old Ocean Hwy
Bolivia, NC 28422

Waccamaw K-2 Building Replacement
5901 Waccamaw School Road
Ash, NC 28420

Bids Submitted To: Bordeaux Construction Company, Inc. – Construction Manager

NOTE: BASIS OF AWARD WILL BE BASED ON THE LOWEST COMBINED TOTAL PRICE

BID PACKAGE: **BP – 09A Drywall & Fireproofing**
BIDDER: _____
NC License #: _____
(License applies to BP 02 Surveying, BP 21A Fire Protection, BP 22A Plumbing, BP 23A HVAC, BP23A HVAC & Plumbing, BP 26A Electrical, BP-28A Security Electronics, or others as required by NC Statute)
Date: **Tuesday, May 26th**
Bid Time: **3:00 pm**

The undersigned, as Bidder, hereby declares that the only person or persons interested in this proposal as principal or principals is or are named herein and that no other person than herein mentioned has any interest in this proposal or in the contract to be entered into; that this proposal is made without connection with any other person, company or parties making a bid or proposal; and that it is in all respects fair and in good faith without collusion or fraud. Bidder further declares that he/she has examined the site of the work and the contract documents relative thereto, and has read all special provisions furnished prior to the opening of bids; that Bidder has satisfied themselves relative to the work to be performed.

Bidder proposes and agrees if this proposal is accepted to contract with Bordeaux Construction in the form of contract specified in the bid manual, to furnish all necessary materials, equipment, machinery, tools, apparatus, means of transportation and labor necessary to complete the construction of:

Bid Package 01 – General Inclusions
Bid Package 09A Drywall & Fireproofing

in full in complete accordance with the plans, specifications and contract documents, within the contract time as detailed in each project's respective Bid Schedule, to the full and entire satisfaction of Brunswick County Schools and Bordeaux Construction with a definite understanding that no money will be allowed for extra work except as set forth in the General Conditions and the Contract Documents.

Bid Package: 09A Drywall & Fireproofing

BASE BID PRICE

The Base Bid Price includes all Work required by and in strict accordance with the Bid Documents for this Project, for the Lump Sum of:

The COAST Academy $_____(Figures only)

Waccamaw Elementary School $_____(Figures only)

Combined $_____(Figures only)

Project will be awarded to lowest qualified, responsive Combined Bidder. Breakout pricing is requested for Owner's accounting and funding purposes.

ALTERNATES

Should any of the alternates as described in the contract documents be accepted, the amount written below shall be the amount to be "**added to**" the base bid. Alternate price should include all cost of overhead and profit. Construction Manager and Owner expressly reserve the right to accept or reject any or all Alternate Prices in any sequence. Acceptance or rejection of alternates shall not change the contract duration nor relieve the Bidder of timely completion of work within the time periods indicated in the contract documents.

Waccamaw K-2 Building Replacement

Alternate W-2, Pre-engineered Metal Canopies

Base Bid: Provide a complete installation of the structural framed, metal deck and membrane roof canopies (Main Bus Students & East Canopies) as required to support the project

Alternate: Provide a complete installation of pre-engineered metal canopies (Main Bus Student & East canopies) as indicated in lieu of base bid structural-framed canopies

If **there is no cost between Base Bid and Alternate W-2**, then Alternate W-2 bid shall be "No Cost"; otherwise, indicate the net cost difference to provide Alternate scope

(Deduct) _____Dollars ($) (figures only)

ALLOWANCES

Allowances should include all cost of work, overhead and profit to make a complete installation and shall be based upon indicated Quantities and Unit Prices, unless otherwise noted. Use of any allowance shall be as directed by Construction Manager.

All listed allowances shall be included as part of the Base Bid Price:

The COAST Academy

#1	Additional patching after painting; **25 hours**	**$ _____ .**
#2	Furnish & Install access doors; **5 each**	**$ _____ .**

Waccamaw K-2 Building Replacement

#1	Additional patching after painting; **25 hours**	**$ _____ .**
#2	Furnish & Install access doors; **5 each**	**$ _____ .**

UNIT PRICES

Unit prices quoted and accepted shall apply throughout the life of the contract, except as otherwise specifically noted. Unit prices shall be applied, as appropriate, to compute the total value of changes in the base bid quantity of the work all in accordance with the contract documents. Construction Manager reserves the right to reject, negotiate or accept all unit prices prior to contract award.

The COAST Academy

UP-01	Labor rate	**$ _____ / hour**
UP-02	Access Door, 24” x 24”	**$ _____ / each**

Waccamaw K-2 Building Replacement

UP-01	Labor rate	**$ _____ / hour**
UP-02	Access Door, 24” x 24”	**$ _____ / each**

MINORITY BUSINESS PARTICIPATION REQUIREMENTS

Provide with the bid - Under GS 143-128.2(c) the undersigned bidder shall identify **on its bid** (Identification of Minority Business Participation Form) the minority businesses that it will use on the project with the total dollar value of the bids that will be performed by the minority businesses. **Also** list the good faith efforts (Affidavit **A**) made to solicit minority participation in the bid effort.

NOTE: A contractor that performs all of the work with its own workforce may submit an Affidavit (**B)** to that effect in lieu of Affidavit (**A)** required above. The MB Participation Form must still be submitted even if there is zero participation.

After the bid opening - The Construction Manager will consider all bids and alternates and determine the lowest responsible, responsive bidder. Upon notification of being the apparent low bidder, the bidder shall then file within 72 hours of the notification of being the apparent lowest bidder, the following:

An Affidavit (**C**) that includes a description of the portion of work to be executed by minority businesses, expressed as a percentage of the total contract price, which is equal to or more than the 10% goal established. This affidavit shall give rise to the presumption that the bidder has made the required good faith effort and Affidavit **D** is not necessary;

* OR *

If less than the 10% goal, Affidavit (**D**) of its good faith effort to meet the goal shall be provided. The document must include evidence of all good faith efforts that were implemented, including any advertisements, solicitations and other specific actions demonstrating recruitment and selection of minority businesses for participation in the contract.

Note: Bidders must always submit **with their bid** the Identification of Minority Business Participation Form listing all MB contractors, vendors and suppliers that will be used. Affidavit A **or** Affidavit B, as applicable, also must be submitted with the bid. Failure to file a required affidavit or documentation with the bid or after being notified apparent low bidder is grounds for rejection of the bid.

Proposal Signature Page

Bidder further proposes and agrees to commence work under this contract on a date to be specified by the Construction Manager at Risk and shall pursue the scope of work included in its contract in accordance with the schedule prepared by the Construction Manager at Risk.

Respectfully submitted this,

_____Day of_____, 2019
(Write the Date of the Month in Words) (Write the Name of the Current Month)

WITNESS:

By: _____
(Printed Name of Person Signing Bid)

_____
(Witness Signs here if you are a Proprietorship or Partnership)

_____
(Signature)

ADDRESS:
_____

TITLE: _____
(Owner, Partner, President or Vice President)

_____

LICENSE #:_____

_____

FEDERAL ID#: _____

ATTEST:

By: _____

(CORPORATE SEAL)

TITLE: _____
(Corporate Secretary or Asst. Secretary Only

Bid Manual received and used in computing bid (Initial here) _____

Addendum received and used in computing bid. Failure to acknowledge receipt of addendum may result in bid being considered non-responsive. (Initial each as applicable)

Addendum No. 1 _____ Addendum No. 2 ____ Addendum No. 3_____ Addendum No. 4_____

Construction Manager Clarification received and used in computing bid. Failure to acknowledge receipt of clarification may result in bid being considered non-responsive. (Initial each as applicable)

Clarification No. 1_____ Clarification No. 2____ Clarification No. 3____ Clarification No. 4_____
Clarification No. 5_____ Clarification No. 6____ Clarification No. 7____ Clarification No. 8_____

FORM OF PROPOSAL

Project: **Brunswick County Schools**

The COAST Academy
1109 Old Ocean Hwy
Bolivia, NC 28422

Waccamaw K-2 Building Replacement
5901 Waccamaw School Road
Ash, NC 28420

Bids Submitted To: Bordeaux Construction Company, Inc. – Construction Manager

NOTE: BASIS OF AWARD WILL BE BASED ON THE LOWEST COMBINED TOTAL PRICE

BID PACKAGE: **BP – 09B Hard Tile**
BIDDER: _____
NC License #: _____
(License applies to BP 02 Surveying, BP 21A Fire Protection, BP 22A Plumbing, BP 23A HVAC, BP23A HVAC & Plumbing, BP 26A Electrical, BP-28A Security Electronics, or others as required by NC Statute)
Date: **Tuesday, May 26th**
Bid Time: **3:00 pm**

The undersigned, as Bidder, hereby declares that the only person or persons interested in this proposal as principal or principals is or are named herein and that no other person than herein mentioned has any interest in this proposal or in the contract to be entered into; that this proposal is made without connection with any other person, company or parties making a bid or proposal; and that it is in all respects fair and in good faith without collusion or fraud. Bidder further declares that he/she has examined the site of the work and the contract documents relative thereto, and has read all special provisions furnished prior to the opening of bids; that Bidder has satisfied themselves relative to the work to be performed.

Bidder proposes and agrees if this proposal is accepted to contract with Bordeaux Construction in the form of contract specified in the bid manual, to furnish all necessary materials, equipment, machinery, tools, apparatus, means of transportation and labor necessary to complete the construction of:

Bid Package 01 – General Inclusions
Bid Package 09B Hard Tile

in full in complete accordance with the plans, specifications and contract documents, within the contract time as detailed in each project's respective Bid Schedule, to the full and entire satisfaction of Brunswick County Schools and Bordeaux Construction with a definite understanding that no money will be allowed for extra work except as set forth in the General Conditions and the Contract Documents.

Bid Package: 09B Hard Tile

BASE BID PRICE

The Base Bid Price includes all Work required by and in strict accordance with the Bid Documents for this Project, for the Lump Sum of:

The COAST Academy $_____(Figures only)

Waccamaw Elementary School $_____(Figures only)

Combined $_____(Figures only)

Project will be awarded to lowest qualified, responsive Combined Bidder. Breakout pricing is requested for Owner's accounting and funding purposes.

ALTERNATES

Should any of the alternates as described in the contract documents be accepted, the amount written below shall be the amount to be "**added to**" the base bid. Alternate price should include all cost of overhead and profit. Construction Manager and Owner expressly reserve the right to accept or reject any or all Alternate Prices in any sequence. Acceptance or rejection of alternates shall not change the contract duration nor relieve the Bidder of timely completion of work within the time periods indicated in the contract documents.

Not Applicable

ALLOWANCES

Allowances should include all cost of work, overhead and profit to make a complete installation and shall be based upon indicated Quantities and Unit Prices, unless otherwise noted. Use of any allowance shall be as directed by Construction Manager.

All listed allowances shall be included as part of the Base Bid Price:

Not Applicable

UNIT PRICES

Unit prices quoted and accepted shall apply throughout the life of the contract, except as otherwise specifically noted. Unit prices shall be applied, as appropriate, to compute the total value of changes in the base bid quantity of the work all in accordance with the contract documents. Construction Manager reserves the right to reject, negotiate or accept all unit prices prior to contract award.

Not Applicable

MINORITY BUSINESS PARTICIPATION REQUIREMENTS

Provide with the bid - Under GS 143-128.2(c) the undersigned bidder shall identify **on its bid** (Identification of Minority Business Participation Form) the minority businesses that it will use on the project with the total dollar value of the bids that will be performed by the minority businesses. **Also** list the good faith efforts (Affidavit **A**) made to solicit minority participation in the bid effort.

NOTE: A contractor that performs all of the work with its own workforce may submit an Affidavit (**B)** to that effect in lieu of Affidavit (**A)** required above. The MB Participation Form must still be submitted even if there is zero participation.

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An Affidavit (**C**) that includes a description of the portion of work to be executed by minority businesses, expressed as a percentage of the total contract price, which is equal to or more than the 10% goal established. This affidavit shall give rise to the presumption that the bidder has made the required good faith effort and Affidavit **D** is not necessary;

* OR *

If less than the 10% goal, Affidavit (**D**) of its good faith effort to meet the goal shall be provided. The document must include evidence of all good faith efforts that were implemented, including any advertisements, solicitations and other specific actions demonstrating recruitment and selection of minority businesses for participation in the contract.

Note: Bidders must always submit **with their bid** the Identification of Minority Business Participation Form listing all MB contractors, vendors and suppliers that will be used. Affidavit A **or** Affidavit B, as applicable, also must be submitted with the bid. Failure to file a required affidavit or documentation with the bid or after being notified apparent low bidder is grounds for rejection of the bid.

Proposal Signature Page

Bidder further proposes and agrees to commence work under this contract on a date to be specified by the Construction Manager at Risk and shall pursue the scope of work included in its contract in accordance with the schedule prepared by the Construction Manager at Risk.

Respectfully submitted this,

_____Day of_____, 2019
(Write the Date of the Month in Words) (Write the Name of the Current Month)

WITNESS:

_____
(Witness Signs here if you are a Proprietorship or Partnership)

By: _____
(Printed Name of Person Signing Bid)

_____
(Signature)

ADDRESS:
_____

_____

_____

TITLE: _____
(Owner, Partner, President or Vice President)

LICENSE #:_____

FEDERAL ID#: _____

ATTEST:

By: _____

TITLE: _____
(Corporate Secretary or Asst. Secretary Only

(CORPORATE SEAL)

Bid Manual received and used in computing bid (Initial here) _____

Addendum received and used in computing bid. Failure to acknowledge receipt of addendum may result in bid being considered non-responsive. (Initial each as applicable)

Addendum No. 1 _____ Addendum No. 2 ____ Addendum No. 3_____ Addendum No. 4_____

Construction Manager Clarification received and used in computing bid. Failure to acknowledge receipt of clarification may result in bid being considered non-responsive. (Initial each as applicable)

Clarification No. 1_____ Clarification No. 2____ Clarification No. 3____ Clarification No. 4_____
Clarification No. 5_____ Clarification No. 6____ Clarification No. 7____ Clarification No. 8_____

FORM OF PROPOSAL

Project: **Brunswick County Schools**

The COAST Academy
1109 Old Ocean Hwy
Bolivia, NC 28422

Waccamaw K-2 Building Replacement
5901 Waccamaw School Road
Ash, NC 28420

Bids Submitted To: Bordeaux Construction Company, Inc. – Construction Manager

NOTE: BASIS OF AWARD WILL BE BASED ON THE LOWEST COMBINED TOTAL PRICE

BID PACKAGE: **BP – 09C Acoustical Ceilings**
BIDDER: _____
NC License #: _____
(License applies to BP 02 Surveying, BP 21A Fire Protection, BP 22A Plumbing, BP 23A HVAC, BP23A HVAC & Plumbing, BP 26A Electrical, BP-28A Security Electronics, or others as required by NC Statute)
Date: **Tuesday, May 26th**
Bid Time: **3:00 pm**

The undersigned, as Bidder, hereby declares that the only person or persons interested in this proposal as principal or principals is or are named herein and that no other person than herein mentioned has any interest in this proposal or in the contract to be entered into; that this proposal is made without connection with any other person, company or parties making a bid or proposal; and that it is in all respects fair and in good faith without collusion or fraud. Bidder further declares that he/she has examined the site of the work and the contract documents relative thereto, and has read all special provisions furnished prior to the opening of bids; that Bidder has satisfied themselves relative to the work to be performed.

Bidder proposes and agrees if this proposal is accepted to contract with Bordeaux Construction in the form of contract specified in the bid manual, to furnish all necessary materials, equipment, machinery, tools, apparatus, means of transportation and labor necessary to complete the construction of:

Bid Package 01 – General Inclusions
Bid Package 09C Acoustical Ceilings

in full in complete accordance with the plans, specifications and contract documents, within the contract time as detailed in each project's respective Bid Schedule, to the full and entire satisfaction of Brunswick County Schools and Bordeaux Construction with a definite understanding that no money will be allowed for extra work except as set forth in the General Conditions and the Contract Documents.

Bid Package: 09C Acoustical Ceilings

BASE BID PRICE

The Base Bid Price includes all Work required by and in strict accordance with the Bid Documents for this Project, for the Lump Sum of:

The COAST Academy $_____(Figures only)

Waccamaw Elementary School $_____(Figures only)

Combined $_____(Figures only)

Project will be awarded to lowest qualified, responsive Combined Bidder. Breakout pricing is requested for Owner's accounting and funding purposes.

ALTERNATES

Should any of the alternates as described in the contract documents be accepted, the amount written below shall be the amount to be "**added to**" the base bid. Alternate price should include all cost of overhead and profit. Construction Manager and Owner expressly reserve the right to accept or reject any or all Alternate Prices in any sequence. Acceptance or rejection of alternates shall not change the contract duration nor relieve the Bidder of timely completion of work within the time periods indicated in the contract documents.

Not Applicable

ALLOWANCES

Allowances should include all cost of work, overhead and profit to make a complete installation and shall be based upon indicated Quantities and Unit Prices, unless otherwise noted. Use of any allowance shall be as directed by Construction Manager.

All listed allowances shall be included as part of the Base Bid Price:

The COAST Academy

#1 Additional labor; **25 hours** **$_____.**

Waccamaw K-2 Building Replacement

#1 Additional labor; **25 hours** **$_____.**

UNIT PRICES

Unit prices quoted and accepted shall apply throughout the life of the contract, except as otherwise specifically noted. Unit prices shall be applied, as appropriate, to compute the total value of changes in the base bid quantity of the work all in accordance with the contract documents. Construction Manager reserves the right to reject, negotiate or accept all unit prices prior to contract award.

The COAST Academy

UP-01 Labor rate **$ _____ / hour**

Waccamaw K-2 Building Replacement

UP-01 Labor rate **$ _____ / hour**

MINORITY BUSINESS PARTICIPATION REQUIREMENTS

Provide with the bid - Under GS 143-128.2(c) the undersigned bidder shall identify **on its bid** (Identification of Minority Business Participation Form) the minority businesses that it will use on the project with the total dollar value of the bids that will be performed by the minority businesses. **Also** list the good faith efforts (Affidavit **A**) made to solicit minority participation in the bid effort.

NOTE: A contractor that performs all of the work with its own workforce may submit an Affidavit (**B)** to that effect in lieu of Affidavit (**A)** required above. The MB Participation Form must still be submitted even if there is zero participation.

After the bid opening - The Construction Manager will consider all bids and alternates and determine the lowest responsible, responsive bidder. Upon notification of being the apparent low bidder, the bidder shall then file within 72 hours of the notification of being the apparent lowest bidder, the following:

An Affidavit (**C**) that includes a description of the portion of work to be executed by minority businesses, expressed as a percentage of the total contract price, which is equal to or more than the 10% goal established. This affidavit shall give rise to the presumption that the bidder has made the required good faith effort and Affidavit **D** is not necessary;

* OR *

If less than the 10% goal, Affidavit (**D**) of its good faith effort to meet the goal shall be provided. The document must include evidence of all good faith efforts that were implemented, including any advertisements, solicitations and other specific actions demonstrating recruitment and selection of minority businesses for participation in the contract.

Note: Bidders must always submit **with their bid** the Identification of Minority Business Participation Form listing all MB contractors, vendors and suppliers that will be used. Affidavit A **or** Affidavit B, as applicable, also must be submitted with the bid. Failure to file a required affidavit or documentation with the bid or after being notified apparent low bidder is grounds for rejection of the bid.

Proposal Signature Page

Bidder further proposes and agrees to commence work under this contract on a date to be specified by the Construction Manager at Risk and shall pursue the scope of work included in its contract in accordance with the schedule prepared by the Construction Manager at Risk.

Respectfully submitted this,

_____Day of_____, 2019
(Write the Date of the Month in Words) (Write the Name of the Current Month)

WITNESS:

_____
(Witness Signs here if you are a Proprietorship or Partnership)

By: _____
(Printed Name of Person Signing Bid)

_____
(Signature)

ADDRESS:
_____

_____

_____

TITLE: _____
(Owner, Partner, President or Vice President)

LICENSE #:_____

FEDERAL ID#: _____

ATTEST:

By: _____

TITLE: _____
(Corporate Secretary or Asst. Secretary Only

(CORPORATE SEAL)

Bid Manual received and used in computing bid (Initial here) _____

Addendum received and used in computing bid. Failure to acknowledge receipt of addendum may result in bid being considered non-responsive. (Initial each as applicable)

Addendum No. 1 _____ Addendum No. 2 ____ Addendum No. 3_____ Addendum No. 4_____

Construction Manager Clarification received and used in computing bid. Failure to acknowledge receipt of clarification may result in bid being considered non-responsive. (Initial each as applicable)

Clarification No. 1_____ Clarification No. 2____ Clarification No. 3____ Clarification No. 4_____
Clarification No. 5_____ Clarification No. 6____ Clarification No. 7____ Clarification No. 8_____

FORM OF PROPOSAL

Project: **Brunswick County Schools**

The COAST Academy
1109 Old Ocean Hwy
Bolivia, NC 28422

Waccamaw K-2 Building Replacement
5901 Waccamaw School Road
Ash, NC 28420

Bids Submitted To: Bordeaux Construction Company, Inc. – Construction Manager

NOTE: BASIS OF AWARD WILL BE BASED ON THE LOWEST COMBINED TOTAL PRICE

BID PACKAGE: **BP – 09D Resilient Flooring**
BIDDER: _____
NC License #: _____
(License applies to BP 02 Surveying, BP 21A Fire Protection, BP 22A Plumbing, BP 23A HVAC, BP23A HVAC & Plumbing, BP 26A Electrical, BP-28A Security Electronics, or others as required by NC Statute)
Date: **Tuesday, May 26th**
Bid Time: **3:00 pm**

The undersigned, as Bidder, hereby declares that the only person or persons interested in this proposal as principal or principals is or are named herein and that no other person than herein mentioned has any interest in this proposal or in the contract to be entered into; that this proposal is made without connection with any other person, company or parties making a bid or proposal; and that it is in all respects fair and in good faith without collusion or fraud. Bidder further declares that he/she has examined the site of the work and the contract documents relative thereto, and has read all special provisions furnished prior to the opening of bids; that Bidder has satisfied themselves relative to the work to be performed.

Bidder proposes and agrees if this proposal is accepted to contract with Bordeaux Construction in the form of contract specified in the bid manual, to furnish all necessary materials, equipment, machinery, tools, apparatus, means of transportation and labor necessary to complete the construction of:

Bid Package 01 – General Inclusions
Bid Package 09D Resilient Flooring

in full in complete accordance with the plans, specifications and contract documents, within the contract time as detailed in each project's respective Bid Schedule, to the full and entire satisfaction of Brunswick County Schools and Bordeaux Construction with a definite understanding that no money will be allowed for extra work except as set forth in the General Conditions and the Contract Documents.

Bid Package: 09D Resilient Flooring

BASE BID PRICE

The Base Bid Price includes all Work required by and in strict accordance with the Bid Documents for this Project, for the Lump Sum of:

The COAST Academy $_____(Figures only)

Waccamaw Elementary School $_____(Figures only)

Combined $_____(Figures only)

Project will be awarded to lowest qualified, responsive Combined Bidder. Breakout pricing is requested for Owner's accounting and funding purposes.

ALTERNATES

Should any of the alternates as described in the contract documents be accepted, the amount written below shall be the amount to be "**added to**" the base bid. Alternate price should include all cost of overhead and profit. Construction Manager and Owner expressly reserve the right to accept or reject any or all Alternate Prices in any sequence. Acceptance or rejection of alternates shall not change the contract duration nor relieve the Bidder of timely completion of work within the time periods indicated in the contract documents.

The COAST Academy

Alternate C-2, Automotive Center—Resilient Flooring (VCT)

Base Bid: Provide a complete installation of polished concrete floors in Classroom 102 and Office 108 as required to support the project

Alternate: Provide a complete installation of resilient flooring (VCT) in Classroom 102 and Office 108 in lieu of designated polished concrete flooring

If there is no cost difference between Base Bid and Alternate C-2, then Alternate C-2 bid shall be "No Cost"; otherwise, indicate the net cost difference to provide Alternate scope

(Add) _____Dollars ($) (figures only)

ALLOWANCES

Allowances should include all cost of work, overhead and profit to make a complete installation and shall be based upon indicated Quantities and Unit Prices, unless otherwise noted. Use of any allowance shall be as directed by Construction Manager.

All listed allowances shall be included as part of the Base Bid Price:

Not Applicable

UNIT PRICES

Unit prices quoted and accepted shall apply throughout the life of the contract, except as otherwise specifically noted. Unit prices shall be applied, as appropriate, to compute the total value of changes in the base bid quantity of the work all in accordance with the contract documents. Construction Manager reserves the right to reject, negotiate or accept all unit prices prior to contract award.

Not Applicable

MINORITY BUSINESS PARTICIPATION REQUIREMENTS

Provide with the bid - Under GS 143-128.2(c) the undersigned bidder shall identify **on its bid** (Identification of Minority Business Participation Form) the minority businesses that it will use on the project with the total dollar value of the bids that will be performed by the minority businesses. **Also** list the good faith efforts (Affidavit **A**) made to solicit minority participation in the bid effort.

NOTE: A contractor that performs all of the work with its own workforce may submit an Affidavit (**B)** to that effect in lieu of Affidavit (**A)** required above. The MB Participation Form must still be submitted even if there is zero participation.

After the bid opening - The Construction Manager will consider all bids and alternates and determine the lowest responsible, responsive bidder. Upon notification of being the apparent low bidder, the bidder shall then file within 72 hours of the notification of being the apparent lowest bidder, the following:

An Affidavit (**C**) that includes a description of the portion of work to be executed by minority businesses, expressed as a percentage of the total contract price, which is equal to or more than the 10% goal established. This affidavit shall give rise to the presumption that the bidder has made the required good faith effort and Affidavit **D** is not necessary;

* OR *

If less than the 10% goal, Affidavit (**D**) of its good faith effort to meet the goal shall be provided. The document must include evidence of all good faith efforts that were implemented, including any advertisements, solicitations and other specific actions demonstrating recruitment and selection of minority businesses for participation in the contract.

Note: Bidders must always submit **with their bid** the Identification of Minority Business Participation Form listing all MB contractors, vendors and suppliers that will be used. Affidavit A **or** Affidavit B, as applicable, also must be submitted with the bid. Failure to file a required affidavit or documentation with the bid or after being notified apparent low bidder is grounds for rejection of the bid.

Proposal Signature Page

Bidder further proposes and agrees to commence work under this contract on a date to be specified by the Construction Manager at Risk and shall pursue the scope of work included in its contract in accordance with the schedule prepared by the Construction Manager at Risk.

Respectfully submitted this,

_____Day of_____, 2019
(Write the Date of the Month in Words) (Write the Name of the Current Month)

WITNESS:

_____
(Witness Signs here if you are a Proprietorship or Partnership)

By: _____
(Printed Name of Person Signing Bid)

_____
(Signature)

ADDRESS:
_____

_____

_____

TITLE: _____
(Owner, Partner, President or Vice President)

LICENSE #:_____

FEDERAL ID#: _____

ATTEST:

By: _____

TITLE: _____
(Corporate Secretary or Asst. Secretary Only

(CORPORATE SEAL)

Bid Manual received and used in computing bid (Initial here) _____

Addendum received and used in computing bid. Failure to acknowledge receipt of addendum may result in bid being considered non-responsive. (Initial each as applicable)

Addendum No. 1 _____ Addendum No. 2 ____ Addendum No. 3_____ Addendum No. 4_____

Construction Manager Clarification received and used in computing bid. Failure to acknowledge receipt of clarification may result in bid being considered non-responsive. (Initial each as applicable)

Clarification No. 1_____ Clarification No. 2____ Clarification No. 3____ Clarification No. 4_____
Clarification No. 5_____ Clarification No. 6____ Clarification No. 7____ Clarification No. 8_____

FORM OF PROPOSAL

Project: **Brunswick County Schools**

The COAST Academy
1109 Old Ocean Hwy
Bolivia, NC 28422

Waccamaw K-2 Building Replacement
5901 Waccamaw School Road
Ash, NC 28420

Bids Submitted To: Bordeaux Construction Company, Inc. – Construction Manager

NOTE: BASIS OF AWARD WILL BE BASED ON THE LOWEST COMBINED TOTAL PRICE

BID PACKAGE: **BP – 09F Polished Concrete Flooring**
BIDDER: _____
NC License #: _____
(License applies to BP 02 Surveying, BP 21A Fire Protection, BP 22A Plumbing, BP 23A HVAC, BP23A HVAC & Plumbing, BP 26A Electrical, BP-28A Security Electronics, or others as required by NC Statute)
Date: **Tuesday, May 26th**
Bid Time: **3:00 pm**

The undersigned, as Bidder, hereby declares that the only person or persons interested in this proposal as principal or principals is or are named herein and that no other person than herein mentioned has any interest in this proposal or in the contract to be entered into; that this proposal is made without connection with any other person, company or parties making a bid or proposal; and that it is in all respects fair and in good faith without collusion or fraud. Bidder further declares that he/she has examined the site of the work and the contract documents relative thereto, and has read all special provisions furnished prior to the opening of bids; that Bidder has satisfied themselves relative to the work to be performed.

Bidder proposes and agrees if this proposal is accepted to contract with Bordeaux Construction in the form of contract specified in the bid manual, to furnish all necessary materials, equipment, machinery, tools, apparatus, means of transportation and labor necessary to complete the construction of:

Bid Package 01 – General Inclusions
Bid Package 09F Polished Concrete Flooring

in full in complete accordance with the plans, specifications and contract documents, within the contract time as detailed in each project's respective Bid Schedule, to the full and entire satisfaction of Brunswick County Schools and Bordeaux Construction with a definite understanding that no money will be allowed for extra work except as set forth in the General Conditions and the Contract Documents.

Bid Package: 09F Polished Concrete Flooring

BASE BID PRICE

The Base Bid Price includes all Work required by and in strict accordance with the Bid Documents for this Project, for the Lump Sum of:

The COAST Academy $_____(Figures only)

Waccamaw Elementary School $_____(Figures only)

Combined $_____(Figures only)

Project will be awarded to lowest qualified, responsive Combined Bidder. Breakout pricing is requested for Owner's accounting and funding purposes.

ALTERNATES

Should any of the alternates as described in the contract documents be accepted, the amount written below shall be the amount to be "**added to**" the base bid. Alternate price should include all cost of overhead and profit. Construction Manager and Owner expressly reserve the right to accept or reject any or all Alternate Prices in any sequence. Acceptance or rejection of alternates shall not change the contract duration nor relieve the Bidder of timely completion of work within the time periods indicated in the contract documents.

The COAST Academy

Alternate C-2, Automotive Center—Resilient Flooring (VCT)

Base Bid: Provide a complete installation of polished concrete floors in Classroom 102 and Office 108 as required to support the project

Alternate: Provide a complete installation of resilient flooring (VCT) in Classroom 102 and Office 108 in lieu of designated polished concrete flooring

If there is no cost difference between Base Bid and Alternate C-2, then Alternate C-2 bid shall be "No Cost"; otherwise, indicate the net cost difference to provide Alternate scope

(Deduct) _____Dollars ($) (figures only)

ALLOWANCES

Allowances should include all cost of work, overhead and profit to make a complete installation and shall be based upon indicated Quantities and Unit Prices, unless otherwise noted. Use of any allowance shall be as directed by Construction Manager.

All listed allowances shall be included as part of the Base Bid Price:

Not Applicable

UNIT PRICES

Unit prices quoted and accepted shall apply throughout the life of the contract, except as otherwise specifically noted. Unit prices shall be applied, as appropriate, to compute the total value of changes in the base bid quantity of the work all in accordance with the contract documents. Construction Manager reserves the right to reject, negotiate or accept all unit prices prior to contract award.

Not Applicable

MINORITY BUSINESS PARTICIPATION REQUIREMENTS

Provide with the bid - Under GS 143-128.2(c) the undersigned bidder shall identify **on its bid** (Identification of Minority Business Participation Form) the minority businesses that it will use on the project with the total dollar value of the bids that will be performed by the minority businesses. **Also** list the good faith efforts (Affidavit **A**) made to solicit minority participation in the bid effort.

NOTE: A contractor that performs all of the work with its own workforce may submit an Affidavit (**B)** to that effect in lieu of Affidavit (**A)** required above. The MB Participation Form must still be submitted even if there is zero participation.

After the bid opening - The Construction Manager will consider all bids and alternates and determine the lowest responsible, responsive bidder. Upon notification of being the apparent low bidder, the bidder shall then file within 72 hours of the notification of being the apparent lowest bidder, the following:

An Affidavit (**C**) that includes a description of the portion of work to be executed by minority businesses, expressed as a percentage of the total contract price, which is equal to or more than the 10% goal established. This affidavit shall give rise to the presumption that the bidder has made the required good faith effort and Affidavit **D** is not necessary;

* OR *

If less than the 10% goal, Affidavit (**D**) of its good faith effort to meet the goal shall be provided. The document must include evidence of all good faith efforts that were implemented, including any advertisements, solicitations and other specific actions demonstrating recruitment and selection of minority businesses for participation in the contract.

Note: Bidders must always submit **with their bid** the Identification of Minority Business Participation Form listing all MB contractors, vendors and suppliers that will be used. Affidavit A **or** Affidavit B, as applicable, also must be submitted with the bid. Failure to file a required affidavit or documentation with the bid or after being notified apparent low bidder is grounds for rejection of the bid.

Proposal Signature Page

Bidder further proposes and agrees to commence work under this contract on a date to be specified by the Construction Manager at Risk and shall pursue the scope of work included in its contract in accordance with the schedule prepared by the Construction Manager at Risk.

Respectfully submitted this,

_____Day of_____, 2019
(Write the Date of the Month in Words) (Write the Name of the Current Month)

WITNESS:

_____
(Witness Signs here if you are a Proprietorship or Partnership)

By: _____
(Printed Name of Person Signing Bid)

_____
(Signature)

ADDRESS:
_____

_____

_____

TITLE: _____
(Owner, Partner, President or Vice President)

LICENSE #:_____

FEDERAL ID#: _____

ATTEST:

By: _____

TITLE: _____
(Corporate Secretary or Asst. Secretary Only

(CORPORATE SEAL)

Bid Manual received and used in computing bid (Initial here) _____

Addendum received and used in computing bid. Failure to acknowledge receipt of addendum may result in bid being considered non-responsive. (Initial each as applicable)

Addendum No. 1 _____ Addendum No. 2 ____ Addendum No. 3_____ Addendum No. 4_____

Construction Manager Clarification received and used in computing bid. Failure to acknowledge receipt of clarification may result in bid being considered non-responsive. (Initial each as applicable)

Clarification No. 1_____ Clarification No. 2____ Clarification No. 3____ Clarification No. 4_____
Clarification No. 5_____ Clarification No. 6____ Clarification No. 7____ Clarification No. 8_____

FORM OF PROPOSAL

Project: **Brunswick County Schools**

The COAST Academy
1109 Old Ocean Hwy
Bolivia, NC 28422

Waccamaw K-2 Building Replacement
5901 Waccamaw School Road
Ash, NC 28420

Bids Submitted To: Bordeaux Construction Company, Inc. – Construction Manager

NOTE: BASIS OF AWARD WILL BE BASED ON THE LOWEST COMBINED TOTAL PRICE

BID PACKAGE: **BP – 09G Painting**
BIDDER: _____
NC License #: _____
(License applies to BP 02 Surveying, BP 21A Fire Protection, BP 22A Plumbing, BP 23A HVAC, BP23A HVAC & Plumbing, BP 26A Electrical, BP-28A Security Electronics, or others as required by NC Statute)
Date: **Tuesday, May 26th**
Bid Time: **3:00 pm**

The undersigned, as Bidder, hereby declares that the only person or persons interested in this proposal as principal or principals is or are named herein and that no other person than herein mentioned has any interest in this proposal or in the contract to be entered into; that this proposal is made without connection with any other person, company or parties making a bid or proposal; and that it is in all respects fair and in good faith without collusion or fraud. Bidder further declares that he/she has examined the site of the work and the contract documents relative thereto, and has read all special provisions furnished prior to the opening of bids; that Bidder has satisfied themselves relative to the work to be performed.

Bidder proposes and agrees if this proposal is accepted to contract with Bordeaux Construction in the form of contract specified in the bid manual, to furnish all necessary materials, equipment, machinery, tools, apparatus, means of transportation and labor necessary to complete the construction of:

Bid Package 01 – General Inclusions
Bid Package 09G Painting

in full in complete accordance with the plans, specifications and contract documents, within the contract time as detailed in each project's respective Bid Schedule, to the full and entire satisfaction of Brunswick County Schools and Bordeaux Construction with a definite understanding that no money will be allowed for extra work except as set forth in the General Conditions and the Contract Documents.

Bid Package: 09G Painting

BASE BID PRICE

The Base Bid Price includes all Work required by and in strict accordance with the Bid Documents for this Project, for the Lump Sum of:

The COAST Academy $_____(Figures only)

Waccamaw Elementary School $_____(Figures only)

Combined $_____(Figures only)

Project will be awarded to lowest qualified, responsive Combined Bidder. Breakout pricing is requested for Owner's accounting and funding purposes.

ALTERNATES

Should any of the alternates as described in the contract documents be accepted, the amount written below shall be the amount to be "**added to**" the base bid. Alternate price should include all cost of overhead and profit. Construction Manager and Owner expressly reserve the right to accept or reject any or all Alternate Prices in any sequence. Acceptance or rejection of alternates shall not change the contract duration nor relieve the Bidder of timely completion of work within the time periods indicated in the contract documents.

Waccamaw K-2 Building Replacement

Alternate W-2, Pre-engineered Metal Canopies

Base Bid: Provide a complete installation of the structural framed, metal deck and membrane roof canopies (Main Bus Students & East Canopies) as required to support the project

Alternate: Provide a complete installation of pre-engineered metal canopies (Main Bus Student & East canopies) as indicated in lieu of base bid structural-framed canopies

If **there is no cost between Base Bid and Alternate W-2**, then Alternate W-2 bid shall be "No Cost"; otherwise, indicate the net cost difference to provide Alternate scope

(Add/Deduct) _____Dollars ($) (figures only)

ALLOWANCES

Allowances should include all cost of work, overhead and profit to make a complete installation and shall be based upon indicated Quantities and Unit Prices, unless otherwise noted. Use of any allowance shall be as directed by Construction Manager.

All listed allowances shall be included as part of the Base Bid Price:

The COAST Academy

#1	Additional touch-up painting; **50 hours**	**$ _____ .**

Waccamaw K-2 Building Replacement

#1	Additional touch-up painting; **50 hours**	**$ _____ .**

UNIT PRICES

Unit prices quoted and accepted shall apply throughout the life of the contract, except as otherwise specifically noted. Unit prices shall be applied, as appropriate, to compute the total value of changes in the base bid quantity of the work all in accordance with the contract documents. Construction Manager reserves the right to reject, negotiate or accept all unit prices prior to contract award.

The COAST Academy

UP-01	Additional touch-up painting	**$ _____ / Hour**

Waccamaw K-2 Building Replacement

UP-01	Additional touch-up painting	**$ _____ / Hour**

MINORITY BUSINESS PARTICIPATION REQUIREMENTS

Provide with the bid - Under GS 143-128.2(c) the undersigned bidder shall identify **on its bid** (Identification of Minority Business Participation Form) the minority businesses that it will use on the project with the total dollar value of the bids that will be performed by the minority businesses. **Also** list the good faith efforts (Affidavit **A**) made to solicit minority participation in the bid effort.

NOTE: A contractor that performs all of the work with its own workforce may submit an Affidavit (**B)** to that effect in lieu of Affidavit (**A)** required above. The MB Participation Form must still be submitted even if there is zero participation.

After the bid opening - The Construction Manager will consider all bids and alternates and determine the lowest responsible, responsive bidder. Upon notification of being the apparent low bidder, the bidder shall then file within 72 hours of the notification of being the apparent lowest bidder, the following:

An Affidavit (**C**) that includes a description of the portion of work to be executed by minority businesses, expressed as a percentage of the total contract price, which is equal to or more than the 10% goal established. This affidavit shall give rise to the presumption that the bidder has made the required good faith effort and Affidavit **D** is not necessary;

* OR *

If less than the 10% goal, Affidavit (**D**) of its good faith effort to meet the goal shall be provided. The document must include evidence of all good faith efforts that were implemented, including any advertisements, solicitations and other specific actions demonstrating recruitment and selection of minority businesses for participation in the contract.

Note: Bidders must always submit **with their bid** the Identification of Minority Business Participation Form listing all MB contractors, vendors and suppliers that will be used. Affidavit A **or** Affidavit B, as applicable, also must be submitted with the bid. Failure to file a required affidavit or documentation with the bid or after being notified apparent low bidder is grounds for rejection of the bid.

Proposal Signature Page

Bidder further proposes and agrees to commence work under this contract on a date to be specified by the Construction Manager at Risk and shall pursue the scope of work included in its contract in accordance with the schedule prepared by the Construction Manager at Risk.

Respectfully submitted this,

_____Day of_____, 2019
(Write the Date of the Month in Words) (Write the Name of the Current Month)

WITNESS:

By: _____
(Printed Name of Person Signing Bid)

_____
(Witness Signs here if you are a Proprietorship or Partnership)

_____
(Signature)

ADDRESS:
_____

TITLE: _____
(Owner, Partner, President or Vice President)

_____

LICENSE #:_____

_____

FEDERAL ID#: _____

ATTEST:

By: _____

(CORPORATE SEAL)

TITLE: _____
(Corporate Secretary or Asst. Secretary Only

Bid Manual received and used in computing bid (Initial here) _____

Addendum received and used in computing bid. Failure to acknowledge receipt of addendum may result in bid being considered non-responsive. (Initial each as applicable)

Addendum No. 1 _____ Addendum No. 2 ____ Addendum No. 3_____ Addendum No. 4_____

Construction Manager Clarification received and used in computing bid. Failure to acknowledge receipt of clarification may result in bid being considered non-responsive. (Initial each as applicable)

Clarification No. 1_____ Clarification No. 2____ Clarification No. 3____ Clarification No. 4_____
Clarification No. 5_____ Clarification No. 6____ Clarification No. 7____ Clarification No. 8_____

FORM OF PROPOSAL

Project: **Brunswick County Schools**

The COAST Academy
1109 Old Ocean Hwy
Bolivia, NC 28422

Waccamaw K-2 Building Replacement
5901 Waccamaw School Road
Ash, NC 28420

Bids Submitted To: Bordeaux Construction Company, Inc. – Construction Manager

NOTE: BASIS OF AWARD WILL BE BASED ON THE LOWEST COMBINED TOTAL PRICE

BID PACKAGE: **BP – 10A Specialties**
BIDDER: _____
NC License #: _____
(License applies to BP 02 Surveying, BP 21A Fire Protection, BP 22A Plumbing, BP 23A HVAC, BP23A HVAC & Plumbing, BP 26A Electrical, BP-28A Security Electronics, or others as required by NC Statute)
Date: **Tuesday, May 26th**
Bid Time: **3:00 pm**

The undersigned, as Bidder, hereby declares that the only person or persons interested in this proposal as principal or principals is or are named herein and that no other person than herein mentioned has any interest in this proposal or in the contract to be entered into; that this proposal is made without connection with any other person, company or parties making a bid or proposal; and that it is in all respects fair and in good faith without collusion or fraud. Bidder further declares that he/she has examined the site of the work and the contract documents relative thereto, and has read all special provisions furnished prior to the opening of bids; that Bidder has satisfied themselves relative to the work to be performed.

Bidder proposes and agrees if this proposal is accepted to contract with Bordeaux Construction in the form of contract specified in the bid manual, to furnish all necessary materials, equipment, machinery, tools, apparatus, means of transportation and labor necessary to complete the construction of:

Bid Package 01 – General Inclusions
Bid Package 10A Specialties

in full in complete accordance with the plans, specifications and contract documents, within the contract time as detailed in each project's respective Bid Schedule, to the full and entire satisfaction of Brunswick County Schools and Bordeaux Construction with a definite understanding that no money will be allowed for extra work except as set forth in the General Conditions and the Contract Documents.

Bid Package: 10A Specialties

BASE BID PRICE

The Base Bid Price includes all Work required by and in strict accordance with the Bid Documents for this Project, for the Lump Sum of:

The COAST Academy $_____(Figures only)

Waccamaw Elementary School $_____(Figures only)

Combined $_____(Figures only)

Project will be awarded to lowest qualified, responsive Combined Bidder. Breakout pricing is requested for Owner's accounting and funding purposes.

ALTERNATES

Should any of the alternates as described in the contract documents be accepted, the amount written below shall be the amount to be "**added to**" the base bid. Alternate price should include all cost of overhead and profit. Construction Manager and Owner expressly reserve the right to accept or reject any or all Alternate Prices in any sequence. Acceptance or rejection of alternates shall not change the contract duration nor relieve the Bidder of timely completion of work within the time periods indicated in the contract documents.

Not Applicable

ALLOWANCES

Allowances should include all cost of work, overhead and profit to make a complete installation and shall be based upon indicated Quantities and Unit Prices, unless otherwise noted. Use of any allowance shall be as directed by Construction Manager.

All listed allowances shall be included as part of the Base Bid Price:

The COAST Academy

#1	Install Fire Extinguisher & Cabinet; **2 each**	**$_____.**
#2	Install bracket-mounted Fire Extinguisher; **2 each**	**$_____.**

Waccamaw K-2 Building Replacement

#1	Install Fire Extinguisher & Cabinet; **2 each**	**$_____.**
#2	Install bracket-mounted Fire Extinguisher; **2 each**	**$_____.**

UNIT PRICES

Unit prices quoted and accepted shall apply throughout the life of the contract, except as otherwise specifically noted. Unit prices shall be applied, as appropriate, to compute the total value of changes in the base bid quantity of the work all in accordance with the contract documents. Construction Manager reserves the right to reject, negotiate or accept all unit prices prior to contract award.

The COAST Academy

UP-01	Fire Extinguisher & Cabinet	**$ _____ / each**
UP-02	Fire Extinguisher (bracket mount)	**$ _____ / each**

Waccamaw K-2 Building Replacement

UP-01	Fire Extinguisher & Cabinet	**$ _____ / each**
UP-02	Fire Extinguisher (bracket mount)	**$ _____ / each**

MINORITY BUSINESS PARTICIPATION REQUIREMENTS

Provide with the bid - Under GS 143-128.2(c) the undersigned bidder shall identify **on its bid** (Identification of Minority Business Participation Form) the minority businesses that it will use on the project with the total dollar value of the bids that will be performed by the minority businesses. **Also** list the good faith efforts (Affidavit **A**) made to solicit minority participation in the bid effort.

NOTE: A contractor that performs all of the work with its own workforce may submit an Affidavit (**B)** to that effect in lieu of Affidavit (**A)** required above. The MB Participation Form must still be submitted even if there is zero participation.

After the bid opening - The Construction Manager will consider all bids and alternates and determine the lowest responsible, responsive bidder. Upon notification of being the apparent low bidder, the bidder shall then file within 72 hours of the notification of being the apparent lowest bidder, the following:

An Affidavit (**C**) that includes a description of the portion of work to be executed by minority businesses, expressed as a percentage of the total contract price, which is equal to or more than the 10% goal established. This affidavit shall give rise to the presumption that the bidder has made the required good faith effort and Affidavit **D** is not necessary;

* OR *

If less than the 10% goal, Affidavit (**D**) of its good faith effort to meet the goal shall be provided. The document must include evidence of all good faith efforts that were implemented, including any advertisements, solicitations and other specific actions demonstrating recruitment and selection of minority businesses for participation in the contract.

Note: Bidders must always submit **with their bid** the Identification of Minority Business Participation Form listing all MB contractors, vendors and suppliers that will be used. Affidavit A **or** Affidavit B, as applicable, also must be submitted with the bid. Failure to file a required affidavit or documentation with the bid or after being notified apparent low bidder is grounds for rejection of the bid.

Proposal Signature Page

Bidder further proposes and agrees to commence work under this contract on a date to be specified by the Construction Manager at Risk and shall pursue the scope of work included in its contract in accordance with the schedule prepared by the Construction Manager at Risk.

Respectfully submitted this,

_____Day of_____, 2019
(Write the Date of the Month in Words) (Write the Name of the Current Month)

WITNESS:

By: _____
(Printed Name of Person Signing Bid)

_____
(Witness Signs here if you are a Proprietorship or Partnership)

_____
(Signature)

ADDRESS:
_____

TITLE: _____
(Owner, Partner, President or Vice President)

_____

LICENSE #:_____

_____

FEDERAL ID#: _____

ATTEST:

By: _____

(CORPORATE SEAL)

TITLE: _____
(Corporate Secretary or Asst. Secretary Only

Bid Manual received and used in computing bid (Initial here) _____

Addendum received and used in computing bid. Failure to acknowledge receipt of addendum may result in bid being considered non-responsive. (Initial each as applicable)

Addendum No. 1 _____ Addendum No. 2 ____ Addendum No. 3_____ Addendum No. 4_____

Construction Manager Clarification received and used in computing bid. Failure to acknowledge receipt of clarification may result in bid being considered non-responsive. (Initial each as applicable)

Clarification No. 1_____ Clarification No. 2____ Clarification No. 3____ Clarification No. 4_____
Clarification No. 5_____ Clarification No. 6____ Clarification No. 7____ Clarification No. 8_____

FORM OF PROPOSAL

Project: **Brunswick County Schools**

The COAST Academy
1109 Old Ocean Hwy
Bolivia, NC 28422

Waccamaw K-2 Building Replacement
5901 Waccamaw School Road
Ash, NC 28420

Bids Submitted To: Bordeaux Construction Company, Inc. – Construction Manager

NOTE: BASIS OF AWARD WILL BE BASED ON THE LOWEST COMBINED TOTAL PRICE

BID PACKAGE: **BP – 10C Signage**
BIDDER: _____
NC License #: _____
(License applies to BP 02 Surveying, BP 21A Fire Protection, BP 22A Plumbing, BP 23A HVAC, BP23A HVAC & Plumbing, BP 26A Electrical, BP-28A Security Electronics, or others as required by NC Statute)
Date: **Tuesday, May 26th**
Bid Time: **3:00 pm**

The undersigned, as Bidder, hereby declares that the only person or persons interested in this proposal as principal or principals is or are named herein and that no other person than herein mentioned has any interest in this proposal or in the contract to be entered into; that this proposal is made without connection with any other person, company or parties making a bid or proposal; and that it is in all respects fair and in good faith without collusion or fraud. Bidder further declares that he/she has examined the site of the work and the contract documents relative thereto, and has read all special provisions furnished prior to the opening of bids; that Bidder has satisfied themselves relative to the work to be performed.

Bidder proposes and agrees if this proposal is accepted to contract with Bordeaux Construction in the form of contract specified in the bid manual, to furnish all necessary materials, equipment, machinery, tools, apparatus, means of transportation and labor necessary to complete the construction of:

Bid Package 01 – General Inclusions
Bid Package 10C Signage

in full in complete accordance with the plans, specifications and contract documents, within the contract time as detailed in each project's respective Bid Schedule, to the full and entire satisfaction of Brunswick County Schools and Bordeaux Construction with a definite understanding that no money will be allowed for extra work except as set forth in the General Conditions and the Contract Documents.

Bid Package: 10C Signage

BASE BID PRICE

The Base Bid Price includes all Work required by and in strict accordance with the Bid Documents for this Project, for the Lump Sum of:

The COAST Academy $_____(Figures only)

Waccamaw Elementary School $_____(Figures only)

Combined $_____(Figures only)

Project will be awarded to lowest qualified, responsive Combined Bidder. Breakout pricing is requested for Owner's accounting and funding purposes.

ALTERNATES

Should any of the alternates as described in the contract documents be accepted, the amount written below shall be the amount to be "**added to**" the base bid. Alternate price should include all cost of overhead and profit. Construction Manager and Owner expressly reserve the right to accept or reject any or all Alternate Prices in any sequence. Acceptance or rejection of alternates shall not change the contract duration nor relieve the Bidder of timely completion of work within the time periods indicated in the contract documents.

Not Applicable

ALLOWANCES

Allowances should include all cost of work, overhead and profit to make a complete installation and shall be based upon indicated Quantities and Unit Prices, unless otherwise noted. Use of any allowance shall be as directed by Construction Manager.

All listed allowances shall be included as part of the Base Bid Price:

The COAST Academy

#1 Additional signage; **lump sum** **$ 500.00 .**

Waccamaw K-2 Building Replacement

#1 Additional signage; **lump sum** **$ 1,500.00 .**

UNIT PRICES

Unit prices quoted and accepted shall apply throughout the life of the contract, except as otherwise specifically noted. Unit prices shall be applied, as appropriate, to compute the total value of changes in the base bid quantity of the work all in accordance with the contract documents. Construction Manager reserves the right to reject, negotiate or accept all unit prices prior to contract award.

Not Applicable

MINORITY BUSINESS PARTICIPATION REQUIREMENTS

Provide with the bid - Under GS 143-128.2(c) the undersigned bidder shall identify **on its bid** (Identification of Minority Business Participation Form) the minority businesses that it will use on the project with the total dollar value of the bids that will be performed by the minority businesses. **Also** list the good faith efforts (Affidavit **A**) made to solicit minority participation in the bid effort.

NOTE: A contractor that performs all of the work with its own workforce may submit an Affidavit (**B)** to that effect in lieu of Affidavit (**A)** required above. The MB Participation Form must still be submitted even if there is zero participation.

After the bid opening - The Construction Manager will consider all bids and alternates and determine the lowest responsible, responsive bidder. Upon notification of being the apparent low bidder, the bidder shall then file within 72 hours of the notification of being the apparent lowest bidder, the following:

An Affidavit (**C**) that includes a description of the portion of work to be executed by minority businesses, expressed as a percentage of the total contract price, which is equal to or more than the 10% goal established. This affidavit shall give rise to the presumption that the bidder has made the required good faith effort and Affidavit **D** is not necessary;

* OR *

If less than the 10% goal, Affidavit (**D**) of its good faith effort to meet the goal shall be provided. The document must include evidence of all good faith efforts that were implemented, including any advertisements, solicitations and other specific actions demonstrating recruitment and selection of minority businesses for participation in the contract.

Note: Bidders must always submit **with their bid** the Identification of Minority Business Participation Form listing all MB contractors, vendors and suppliers that will be used. Affidavit A **or** Affidavit B, as applicable, also must be submitted with the bid. Failure to file a required affidavit or documentation with the bid or after being notified apparent low bidder is grounds for rejection of the bid.

Proposal Signature Page

Bidder further proposes and agrees to commence work under this contract on a date to be specified by the Construction Manager at Risk and shall pursue the scope of work included in its contract in accordance with the schedule prepared by the Construction Manager at Risk.

Respectfully submitted this,

_____Day of_____, 2019
(Write the Date of the Month in Words) (Write the Name of the Current Month)

WITNESS:

_____
(Witness Signs here if you are a Proprietorship or Partnership)

By: _____
(Printed Name of Person Signing Bid)

_____
(Signature)

ADDRESS:
_____

_____

_____

TITLE: _____
(Owner, Partner, President or Vice President)

LICENSE #:_____

FEDERAL ID#: _____

ATTEST:

By: _____

TITLE: _____
(Corporate Secretary or Asst. Secretary Only

(CORPORATE SEAL)

Bid Manual received and used in computing bid (Initial here) _____

Addendum received and used in computing bid. Failure to acknowledge receipt of addendum may result in bid being considered non-responsive. (Initial each as applicable)

Addendum No. 1 _____ Addendum No. 2 ____ Addendum No. 3_____ Addendum No. 4_____

Construction Manager Clarification received and used in computing bid. Failure to acknowledge receipt of clarification may result in bid being considered non-responsive. (Initial each as applicable)

Clarification No. 1_____ Clarification No. 2____ Clarification No. 3____ Clarification No. 4_____
Clarification No. 5_____ Clarification No. 6____ Clarification No. 7____ Clarification No. 8_____

FORM OF PROPOSAL

Project: **Brunswick County Schools**

The COAST Academy
1109 Old Ocean Hwy
Bolivia, NC 28422

Waccamaw K-2 Building Replacement
5901 Waccamaw School Road
Ash, NC 28420

Bids Submitted To: Bordeaux Construction Company, Inc. – Construction Manager

NOTE: BASIS OF AWARD WILL BE BASED ON THE LOWEST COMBINED TOTAL PRICE

BID PACKAGE: **BP – 12A Window Treatments**
BIDDER: _____
NC License #: _____
(License applies to BP 02 Surveying, BP 21A Fire Protection, BP 22A Plumbing, BP 23A HVAC, BP23A HVAC & Plumbing, BP 26A Electrical, BP-28A Security Electronics, or others as required by NC Statute)
Date: **Tuesday, May 26th**
Bid Time: **3:00 pm**

The undersigned, as Bidder, hereby declares that the only person or persons interested in this proposal as principal or principals is or are named herein and that no other person than herein mentioned has any interest in this proposal or in the contract to be entered into; that this proposal is made without connection with any other person, company or parties making a bid or proposal; and that it is in all respects fair and in good faith without collusion or fraud. Bidder further declares that he/she has examined the site of the work and the contract documents relative thereto, and has read all special provisions furnished prior to the opening of bids; that Bidder has satisfied themselves relative to the work to be performed.

Bidder proposes and agrees if this proposal is accepted to contract with Bordeaux Construction in the form of contract specified in the bid manual, to furnish all necessary materials, equipment, machinery, tools, apparatus, means of transportation and labor necessary to complete the construction of:

Bid Package 01 – General Inclusions
Bid Package 12A Window Treatments

in full in complete accordance with the plans, specifications and contract documents, within the contract time as detailed in each project's respective Bid Schedule, to the full and entire satisfaction of Brunswick County Schools and Bordeaux Construction with a definite understanding that no money will be allowed for extra work except as set forth in the General Conditions and the Contract Documents.

Bid Package: 12A Window Treatments

BASE BID PRICE

The Base Bid Price includes all Work required by and in strict accordance with the Bid Documents for this Project, for the Lump Sum of:

The COAST Academy	$_____	(Figures only)
Waccamaw Elementary School	$_____	(Figures only)
Combined	$_____	(Figures only)

Project will be awarded to lowest qualified, responsive Combined Bidder. Breakout pricing is requested for Owner's accounting and funding purposes.

ALTERNATES

Should any of the alternates as described in the contract documents be accepted, the amount written below shall be the amount to be "**added to**" the base bid. Alternate price should include all cost of overhead and profit. Construction Manager and Owner expressly reserve the right to accept or reject any or all Alternate Prices in any sequence. Acceptance or rejection of alternates shall not change the contract duration nor relieve the Bidder of timely completion of work within the time periods indicated in the contract documents.

Not Applicable

ALLOWANCES

Allowances should include all cost of work, overhead and profit to make a complete installation and shall be based upon indicated Quantities and Unit Prices, unless otherwise noted. Use of any allowance shall be as directed by Construction Manager.

All listed allowances shall be included as part of the Base Bid Price:

Not Applicable

UNIT PRICES

Unit prices quoted and accepted shall apply throughout the life of the contract, except as otherwise specifically noted. Unit prices shall be applied, as appropriate, to compute the total value of changes in the base bid quantity of the work all in accordance with the contract documents. Construction Manager reserves the right to reject, negotiate or accept all unit prices prior to contract award.

Not Applicable

MINORITY BUSINESS PARTICIPATION REQUIREMENTS

Provide with the bid - Under GS 143-128.2(c) the undersigned bidder shall identify **on its bid** (Identification of Minority Business Participation Form) the minority businesses that it will use on the project with the total dollar value of the bids that will be performed by the minority businesses. **Also** list the good faith efforts (Affidavit **A**) made to solicit minority participation in the bid effort.

NOTE: A contractor that performs all of the work with its own workforce may submit an Affidavit (**B)** to that effect in lieu of Affidavit (**A)** required above. The MB Participation Form must still be submitted even if there is zero participation.

After the bid opening - The Construction Manager will consider all bids and alternates and determine the lowest responsible, responsive bidder. Upon notification of being the apparent low bidder, the bidder shall then file within 72 hours of the notification of being the apparent lowest bidder, the following:

An Affidavit (**C**) that includes a description of the portion of work to be executed by minority businesses, expressed as a percentage of the total contract price, which is equal to or more than the 10% goal established. This affidavit shall give rise to the presumption that the bidder has made the required good faith effort and Affidavit **D** is not necessary;

* OR *

If less than the 10% goal, Affidavit (**D**) of its good faith effort to meet the goal shall be provided. The document must include evidence of all good faith efforts that were implemented, including any advertisements, solicitations and other specific actions demonstrating recruitment and selection of minority businesses for participation in the contract.

Note: Bidders must always submit **with their bid** the Identification of Minority Business Participation Form listing all MB contractors, vendors and suppliers that will be used. Affidavit A **or** Affidavit B, as applicable, also must be submitted with the bid. Failure to file a required affidavit or documentation with the bid or after being notified apparent low bidder is grounds for rejection of the bid.

Proposal Signature Page

Bidder further proposes and agrees to commence work under this contract on a date to be specified by the Construction Manager at Risk and shall pursue the scope of work included in its contract in accordance with the schedule prepared by the Construction Manager at Risk.

Respectfully submitted this,

_____Day of_____, 2019
(Write the Date of the Month in Words) (Write the Name of the Current Month)

WITNESS:

By: _____
(Printed Name of Person Signing Bid)

_____
(Witness Signs here if you are a Proprietorship or Partnership)

_____
(Signature)

ADDRESS:
_____

TITLE: _____
(Owner, Partner, President or Vice President)

_____

LICENSE #:_____

_____

FEDERAL ID#: _____

ATTEST:

By: _____

(CORPORATE SEAL)

TITLE: _____
(Corporate Secretary or Asst. Secretary Only

Bid Manual received and used in computing bid (Initial here) _____

Addendum received and used in computing bid. Failure to acknowledge receipt of addendum may result in bid being considered non-responsive. (Initial each as applicable)

Addendum No. 1 _____ Addendum No. 2 ____ Addendum No. 3_____ Addendum No. 4_____

Construction Manager Clarification received and used in computing bid. Failure to acknowledge receipt of clarification may result in bid being considered non-responsive. (Initial each as applicable)

Clarification No. 1_____ Clarification No. 2____ Clarification No. 3____ Clarification No. 4_____
Clarification No. 5_____ Clarification No. 6____ Clarification No. 7____ Clarification No. 8_____

FORM OF PROPOSAL

Project: **Brunswick County Schools**

The COAST Academy
1109 Old Ocean Hwy
Bolivia, NC 28422

Waccamaw K-2 Building Replacement
5901 Waccamaw School Road
Ash, NC 28420

Bids Submitted To: Bordeaux Construction Company, Inc. – Construction Manager

NOTE: BASIS OF AWARD WILL BE BASED ON THE LOWEST COMBINED TOTAL PRICE

BID PACKAGE: **BP – 12B Casework**
BIDDER: _____
NC License #: _____
(License applies to BP 02 Surveying, BP 21A Fire Protection, BP 22A Plumbing, BP 23A HVAC, BP23A HVAC & Plumbing, BP 26A Electrical, BP-28A Security Electronics, or others as required by NC Statute)
Date: **Tuesday, May 26th**
Bid Time: **3:00 pm**

The undersigned, as Bidder, hereby declares that the only person or persons interested in this proposal as principal or principals is or are named herein and that no other person than herein mentioned has any interest in this proposal or in the contract to be entered into; that this proposal is made without connection with any other person, company or parties making a bid or proposal; and that it is in all respects fair and in good faith without collusion or fraud. Bidder further declares that he/she has examined the site of the work and the contract documents relative thereto, and has read all special provisions furnished prior to the opening of bids; that Bidder has satisfied themselves relative to the work to be performed.

Bidder proposes and agrees if this proposal is accepted to contract with Bordeaux Construction in the form of contract specified in the bid manual, to furnish all necessary materials, equipment, machinery, tools, apparatus, means of transportation and labor necessary to complete the construction of:

Bid Package 01 – General Inclusions
Bid Package 12B Casework

in full in complete accordance with the plans, specifications and contract documents, within the contract time as detailed in each project's respective Bid Schedule, to the full and entire satisfaction of Brunswick County Schools and Bordeaux Construction with a definite understanding that no money will be allowed for extra work except as set forth in the General Conditions and the Contract Documents.

Bid Package: 12B Casework

BASE BID PRICE

The Base Bid Price includes all Work required by and in strict accordance with the Bid Documents for this Project, for the Lump Sum of:

The COAST Academy $_____(Figures only)

Waccamaw Elementary School $_____(Figures only)

Combined $_____(Figures only)

Project will be awarded to lowest qualified, responsive Combined Bidder. Breakout pricing is requested for Owner's accounting and funding purposes.

ALTERNATES

Should any of the alternates as described in the contract documents be accepted, the amount written below shall be the amount to be "**added to**" the base bid. Alternate price should include all cost of overhead and profit. Construction Manager and Owner expressly reserve the right to accept or reject any or all Alternate Prices in any sequence. Acceptance or rejection of alternates shall not change the contract duration nor relieve the Bidder of timely completion of work within the time periods indicated in the contract documents.

Not Applicable

ALLOWANCES

Allowances should include all cost of work, overhead and profit to make a complete installation and shall be based upon indicated Quantities and Unit Prices, unless otherwise noted. Use of any allowance shall be as directed by Construction Manager.

All listed allowances shall be included as part of the Base Bid Price:

Not Applicable

UNIT PRICES

Unit prices quoted and accepted shall apply throughout the life of the contract, except as otherwise specifically noted. Unit prices shall be applied, as appropriate, to compute the total value of changes in the base bid quantity of the work all in accordance with the contract documents. Construction Manager reserves the right to reject, negotiate or accept all unit prices prior to contract award.

Not Applicable

MINORITY BUSINESS PARTICIPATION REQUIREMENTS

Provide with the bid - Under GS 143-128.2(c) the undersigned bidder shall identify **on its bid** (Identification of Minority Business Participation Form) the minority businesses that it will use on the project with the total dollar value of the bids that will be performed by the minority businesses. **Also** list the good faith efforts (Affidavit **A**) made to solicit minority participation in the bid effort.

NOTE: A contractor that performs all of the work with its own workforce may submit an Affidavit (**B)** to that effect in lieu of Affidavit (**A)** required above. The MB Participation Form must still be submitted even if there is zero participation.

After the bid opening - The Construction Manager will consider all bids and alternates and determine the lowest responsible, responsive bidder. Upon notification of being the apparent low bidder, the bidder shall then file within 72 hours of the notification of being the apparent lowest bidder, the following:

An Affidavit (**C**) that includes a description of the portion of work to be executed by minority businesses, expressed as a percentage of the total contract price, which is equal to or more than the 10% goal established. This affidavit shall give rise to the presumption that the bidder has made the required good faith effort and Affidavit **D** is not necessary;

* OR *

If less than the 10% goal, Affidavit (**D**) of its good faith effort to meet the goal shall be provided. The document must include evidence of all good faith efforts that were implemented, including any advertisements, solicitations and other specific actions demonstrating recruitment and selection of minority businesses for participation in the contract.

Note: Bidders must always submit **with their bid** the Identification of Minority Business Participation Form listing all MB contractors, vendors and suppliers that will be used. Affidavit A **or** Affidavit B, as applicable, also must be submitted with the bid. Failure to file a required affidavit or documentation with the bid or after being notified apparent low bidder is grounds for rejection of the bid.

Proposal Signature Page

Bidder further proposes and agrees to commence work under this contract on a date to be specified by the Construction Manager at Risk and shall pursue the scope of work included in its contract in accordance with the schedule prepared by the Construction Manager at Risk.

Respectfully submitted this,

_____Day of_____, 2019
(Write the Date of the Month in Words) (Write the Name of the Current Month)

WITNESS:

By: _____
(Printed Name of Person Signing Bid)

_____
(Witness Signs here if you are a Proprietorship or Partnership)

_____
(Signature)

ADDRESS:
_____

TITLE: _____
(Owner, Partner, President or Vice President)

_____

LICENSE #:_____

_____

FEDERAL ID#: _____

ATTEST:

By: _____

(CORPORATE SEAL)

TITLE: _____
(Corporate Secretary or Asst. Secretary Only

Bid Manual received and used in computing bid (Initial here) _____

Addendum received and used in computing bid. Failure to acknowledge receipt of addendum may result in bid being considered non-responsive. (Initial each as applicable)

Addendum No. 1 _____ Addendum No. 2 ____ Addendum No. 3_____ Addendum No. 4_____

Construction Manager Clarification received and used in computing bid. Failure to acknowledge receipt of clarification may result in bid being considered non-responsive. (Initial each as applicable)

Clarification No. 1_____ Clarification No. 2____ Clarification No. 3____ Clarification No. 4_____
Clarification No. 5_____ Clarification No. 6____ Clarification No. 7____ Clarification No. 8_____

FORM OF PROPOSAL

Project: **Brunswick County Schools**

The COAST Academy
1109 Old Ocean Hwy
Bolivia, NC 28422

Waccamaw K-2 Building Replacement
5901 Waccamaw School Road
Ash, NC 28420

Bids Submitted To: Bordeaux Construction Company, Inc. – Construction Manager

NOTE: BASIS OF AWARD WILL BE BASED ON THE LOWEST COMBINED TOTAL PRICE

BID PACKAGE: **BP – 13B Pre-Engineered Metal Building**
BIDDER: _____
NC License #: _____
(License applies to BP 02 Surveying, BP 21A Fire Protection, BP 22A Plumbing, BP 23A HVAC, BP23A HVAC & Plumbing, BP 26A Electrical, BP-28A Security Electronics, or others as required by NC Statute)
Date: **Tuesday, May 26th**
Bid Time: **3:00 pm**

The undersigned, as Bidder, hereby declares that the only person or persons interested in this proposal as principal or principals is or are named herein and that no other person than herein mentioned has any interest in this proposal or in the contract to be entered into; that this proposal is made without connection with any other person, company or parties making a bid or proposal; and that it is in all respects fair and in good faith without collusion or fraud. Bidder further declares that he/she has examined the site of the work and the contract documents relative thereto, and has read all special provisions furnished prior to the opening of bids; that Bidder has satisfied themselves relative to the work to be performed.

Bidder proposes and agrees if this proposal is accepted to contract with Bordeaux Construction in the form of contract specified in the bid manual, to furnish all necessary materials, equipment, machinery, tools, apparatus, means of transportation and labor necessary to complete the construction of:

Bid Package 01 – General Inclusions
Bid Package 13B Pre-Engineered Metal Building

in full in complete accordance with the plans, specifications and contract documents, within the contract time as detailed in each project's respective Bid Schedule, to the full and entire satisfaction of Brunswick County Schools and Bordeaux Construction with a definite understanding that no money will be allowed for extra work except as set forth in the General Conditions and the Contract Documents.

Bid Package: 13B Pre-Engineered Metal Building

BASE BID PRICE

The Base Bid Price includes all Work required by and in strict accordance with the Bid Documents for this Project, for the Lump Sum of:

The COAST Academy	$ _____	(Figures only)
Waccamaw Elementary School	$ **NOT APPLICABLE**	(Figures only)
Combined	$ _____	(Figures only)

Project will be awarded to lowest qualified, responsive Combined Bidder. Breakout pricing is requested for Owner's accounting and funding purposes.

ALTERNATES

Should any of the alternates as described in the contract documents be accepted, the amount written below shall be the amount to be "**added to**" the base bid. Alternate price should include all cost of overhead and profit. Construction Manager and Owner expressly reserve the right to accept or reject any or all Alternate Prices in any sequence. Acceptance or rejection of alternates shall not change the contract duration nor relieve the Bidder of timely completion of work within the time periods indicated in the contract documents.

The COAST Academy

Alternate C-10, Automotive Center—Provide Motorized Overhead Door

Base Bid: Provide two (2) manual-operated overhead doors and one (1) motorized overhead door to include all associated controls and final connection at power source junction box. Electrical circuits for power will be installed to a junction box above each door as indicated on drawings.

Alternate: Provide cost to convert one (1) manual-operated overhead door to a motorized-overhead door to include all associated controls and final connection at power source junction box.

(Add) _____Dollars ($) (figures only)

ALLOWANCES

Allowances should include all cost of work, overhead and profit to make a complete installation and shall be based upon indicated Quantities and Unit Prices, unless otherwise noted. Use of any allowance shall be as directed by Construction Manager.

All listed allowances shall be included as part of the Base Bid Price:

Not Applicable

UNIT PRICES

Unit prices quoted and accepted shall apply throughout the life of the contract, except as otherwise specifically noted. Unit prices shall be applied, as appropriate, to compute the total value of changes in the base bid quantity of the work all in accordance with the contract documents. Construction Manager reserves the right to reject, negotiate or accept all unit prices prior to contract award.

Not Applicable

MINORITY BUSINESS PARTICIPATION REQUIREMENTS

Provide with the bid - Under GS 143-128.2(c) the undersigned bidder shall identify **on its bid** (Identification of Minority Business Participation Form) the minority businesses that it will use on the project with the total dollar value of the bids that will be performed by the minority businesses. **Also** list the good faith efforts (Affidavit **A**) made to solicit minority participation in the bid effort.

NOTE: A contractor that performs all of the work with its own workforce may submit an Affidavit (**B)** to that effect in lieu of Affidavit (**A)** required above. The MB Participation Form must still be submitted even if there is zero participation.

After the bid opening - The Construction Manager will consider all bids and alternates and determine the lowest responsible, responsive bidder. Upon notification of being the apparent low bidder, the bidder shall then file within 72 hours of the notification of being the apparent lowest bidder, the following:

An Affidavit (**C**) that includes a description of the portion of work to be executed by minority businesses, expressed as a percentage of the total contract price, which is equal to or more than the 10% goal established. This affidavit shall give rise to the presumption that the bidder has made the required good faith effort and Affidavit **D** is not necessary;

* OR *

If less than the 10% goal, Affidavit (**D**) of its good faith effort to meet the goal shall be provided. The document must include evidence of all good faith efforts that were implemented, including any advertisements, solicitations and other specific actions demonstrating recruitment and selection of minority businesses for participation in the contract.

Note: Bidders must always submit **with their bid** the Identification of Minority Business Participation Form listing all MB contractors, vendors and suppliers that will be used. Affidavit A **or** Affidavit B, as applicable, also must be submitted with the bid. Failure to file a required affidavit or documentation with the bid or after being notified apparent low bidder is grounds for rejection of the bid.

Proposal Signature Page

Bidder further proposes and agrees to commence work under this contract on a date to be specified by the Construction Manager at Risk and shall pursue the scope of work included in its contract in accordance with the schedule prepared by the Construction Manager at Risk.

Respectfully submitted this,

_____Day of_____, 2019
(Write the Date of the Month in Words) (Write the Name of the Current Month)

WITNESS:

By: _____
(Printed Name of Person Signing Bid)

_____
(Witness Signs here if you are a Proprietorship or Partnership)

_____
(Signature)

ADDRESS:
_____

TITLE: _____
(Owner, Partner, President or Vice President)

_____

LICENSE #:_____

_____

FEDERAL ID#: _____

ATTEST:

By: _____

(CORPORATE SEAL)

TITLE: _____
(Corporate Secretary or Asst. Secretary Only

Bid Manual received and used in computing bid (Initial here) _____

Addendum received and used in computing bid. Failure to acknowledge receipt of addendum may result in bid being considered non-responsive. (Initial each as applicable)

Addendum No. 1 _____ Addendum No. 2 ____ Addendum No. 3_____ Addendum No. 4_____

Construction Manager Clarification received and used in computing bid. Failure to acknowledge receipt of clarification may result in bid being considered non-responsive. (Initial each as applicable)

Clarification No. 1_____ Clarification No. 2____ Clarification No. 3____ Clarification No. 4_____
Clarification No. 5_____ Clarification No. 6____ Clarification No. 7____ Clarification No. 8_____

FORM OF PROPOSAL

Project: **Brunswick County Schools**

The COAST Academy
1109 Old Ocean Hwy
Bolivia, NC 28422

Waccamaw K-2 Building Replacement
5901 Waccamaw School Road
Ash, NC 28420

Bids Submitted To: Bordeaux Construction Company, Inc. – Construction Manager

NOTE: BASIS OF AWARD WILL BE BASED ON THE LOWEST COMBINED TOTAL PRICE

BID PACKAGE: **BP – 21A Fire Protection**
BIDDER: _____
NC License #: _____
(License applies to BP 02 Surveying, BP 21A Fire Protection, BP 22A Plumbing, BP 23A HVAC, BP23A HVAC & Plumbing, BP 26A Electrical, BP-28A Security Electronics, or others as required by NC Statute)
Date: **Tuesday, May 26th**
Bid Time: **3:00 pm**

The undersigned, as Bidder, hereby declares that the only person or persons interested in this proposal as principal or principals is or are named herein and that no other person than herein mentioned has any interest in this proposal or in the contract to be entered into; that this proposal is made without connection with any other person, company or parties making a bid or proposal; and that it is in all respects fair and in good faith without collusion or fraud. Bidder further declares that he/she has examined the site of the work and the contract documents relative thereto, and has read all special provisions furnished prior to the opening of bids; that Bidder has satisfied themselves relative to the work to be performed.

Bidder proposes and agrees if this proposal is accepted to contract with Bordeaux Construction in the form of contract specified in the bid manual, to furnish all necessary materials, equipment, machinery, tools, apparatus, means of transportation and labor necessary to complete the construction of:

Bid Package 01 – General Inclusions
Bid Package 21A Fire Protection

in full in complete accordance with the plans, specifications and contract documents, within the contract time as detailed in each project's respective Bid Schedule, to the full and entire satisfaction of Brunswick County Schools and Bordeaux Construction with a definite understanding that no money will be allowed for extra work except as set forth in the General Conditions and the Contract Documents.

Bid Package: 21A Fire Protection

BASE BID PRICE

The Base Bid Price includes all Work required by and in strict accordance with the Bid Documents for this Project, for the Lump Sum of:

The COAST Academy $_____(Figures only)

Waccamaw Elementary School $_____(Figures only)

Combined $_____(Figures only)

Project will be awarded to lowest qualified, responsive Combined Bidder. Breakout pricing is requested for Owner's accounting and funding purposes.

ALTERNATES

Should any of the alternates as described in the contract documents be accepted, the amount written below shall be the amount to be "**added to**" the base bid. Alternate price should include all cost of overhead and profit. Construction Manager and Owner expressly reserve the right to accept or reject any or all Alternate Prices in any sequence. Acceptance or rejection of alternates shall not change the contract duration nor relieve the Bidder of timely completion of work within the time periods indicated in the contract documents.

Not Applicable

ALLOWANCES

Allowances should include all cost of work, overhead and profit to make a complete installation and shall be based upon indicated Quantities and Unit Prices, unless otherwise noted. Use of any allowance shall be as directed by Construction Manager.

All listed allowances shall be included as part of the Base Bid Price:

The COAST Academy

#1 Install sprinkler head within 15' of branch line as directed by AHJ,
Three (3) heads $_____

Waccamaw K-2 Building Replacement

#1 Install sprinkler head within 15' of branch line as directed by AHJ,
Three (3) heads $_____

UNIT PRICES

Unit prices quoted and accepted shall apply throughout the life of the contract, except as otherwise specifically noted. Unit prices shall be applied, as appropriate, to compute the total value of changes in the base bid quantity of the work all in accordance with the contract documents. Construction Manager reserves the right to reject, negotiate or accept all unit prices prior to contract award.

The COAST Academy

UP-1 Install one (1) sprinkler head as directed by AHJ $ _____ / **each**

Waccamaw K-2 Building Replacement

UP-1 Install one (1) sprinkler head as directed by AHJ $ _____ / **each**

MINORITY BUSINESS PARTICIPATION REQUIREMENTS

Provide with the bid - Under GS 143-128.2(c) the undersigned bidder shall identify **on its bid** (Identification of Minority Business Participation Form) the minority businesses that it will use on the project with the total dollar value of the bids that will be performed by the minority businesses. **Also** list the good faith efforts (Affidavit **A**) made to solicit minority participation in the bid effort.

NOTE: A contractor that performs all of the work with its own workforce may submit an Affidavit (**B)** to that effect in lieu of Affidavit (**A)** required above. The MB Participation Form must still be submitted even if there is zero participation.

After the bid opening - The Construction Manager will consider all bids and alternates and determine the lowest responsible, responsive bidder. Upon notification of being the apparent low bidder, the bidder shall then file within 72 hours of the notification of being the apparent lowest bidder, the following:

An Affidavit (**C**) that includes a description of the portion of work to be executed by minority businesses, expressed as a percentage of the total contract price, which is equal to or more than the 10% goal established. This affidavit shall give rise to the presumption that the bidder has made the required good faith effort and Affidavit **D** is not necessary;

* OR *

If less than the 10% goal, Affidavit (**D**) of its good faith effort to meet the goal shall be provided. The document must include evidence of all good faith efforts that were implemented, including any advertisements, solicitations and other specific actions demonstrating recruitment and selection of minority businesses for participation in the contract.

Note: Bidders must always submit **with their bid** the Identification of Minority Business Participation Form listing all MB contractors, vendors and suppliers that will be used. Affidavit A **or** Affidavit B, as applicable, also must be submitted with the bid. Failure to file a required affidavit or documentation with the bid or after being notified apparent low bidder is grounds for rejection of the bid.

Proposal Signature Page

Bidder further proposes and agrees to commence work under this contract on a date to be specified by the Construction Manager at Risk and shall pursue the scope of work included in its contract in accordance with the schedule prepared by the Construction Manager at Risk.

Respectfully submitted this,

_____Day of_____, 2019
(Write the Date of the Month in Words) (Write the Name of the Current Month)

WITNESS:

By: _____
(Printed Name of Person Signing Bid)

_____
(Witness Signs here if you are a Proprietorship or Partnership)

_____
(Signature)

ADDRESS:
_____

TITLE: _____
(Owner, Partner, President or Vice President)

_____

LICENSE #:_____

_____

FEDERAL ID#: _____

ATTEST:

By: _____

(CORPORATE SEAL)

TITLE: _____
(Corporate Secretary or Asst. Secretary Only

Bid Manual received and used in computing bid (Initial here) _____

Addendum received and used in computing bid. Failure to acknowledge receipt of addendum may result in bid being considered non-responsive. (Initial each as applicable)

Addendum No. 1 _____ Addendum No. 2 ____ Addendum No. 3_____ Addendum No. 4_____

Construction Manager Clarification received and used in computing bid. Failure to acknowledge receipt of clarification may result in bid being considered non-responsive (Initial each as applicable)

Clarification No. 1_____ Clarification No. 2____ Clarification No. 3____ Clarification No. 4_____
Clarification No. 5_____ Clarification No. 6____ Clarification No. 7____ Clarification No. 8_____

FORM OF PROPOSAL

Project: **Brunswick County Schools**

The COAST Academy
1109 Old Ocean Hwy
Bolivia, NC 28422

Waccamaw K-2 Building Replacement
5901 Waccamaw School Road
Ash, NC 28420

Bids Submitted To: Bordeaux Construction Company, Inc. – Construction Manager

NOTE: BASIS OF AWARD WILL BE BASED ON THE LOWEST COMBINED TOTAL PRICE

BID PACKAGE: **BP – 22A Plumbing**
BIDDER: _____
NC License #: _____
(License applies to BP 02 Surveying, BP 21A Fire Protection, BP 22A Plumbing, BP 23A HVAC, BP23A HVAC & Plumbing, BP 26A Electrical, BP-28A Security Electronics, or others as required by NC Statute)
Date: **Tuesday, May 26th**
Bid Time: **3:00 pm**

The undersigned, as Bidder, hereby declares that the only person or persons interested in this proposal as principal or principals is or are named herein and that no other person than herein mentioned has any interest in this proposal or in the contract to be entered into; that this proposal is made without connection with any other person, company or parties making a bid or proposal; and that it is in all respects fair and in good faith without collusion or fraud. Bidder further declares that he/she has examined the site of the work and the contract documents relative thereto, and has read all special provisions furnished prior to the opening of bids; that Bidder has satisfied themselves relative to the work to be performed.

Bidder proposes and agrees if this proposal is accepted to contract with Bordeaux Construction in the form of contract specified in the bid manual, to furnish all necessary materials, equipment, machinery, tools, apparatus, means of transportation and labor necessary to complete the construction of:

Bid Package 01 – General Inclusions
Bid Package 22A Plumbing

in full in complete accordance with the plans, specifications and contract documents, within the contract time as detailed in each project's respective Bid Schedule, to the full and entire satisfaction of Brunswick County Schools and Bordeaux Construction with a definite understanding that no money will be allowed for extra work except as set forth in the General Conditions and the Contract Documents.

Bid Package: 22A Plumbing

BASE BID PRICE

The Base Bid Price includes all Work required by and in strict accordance with the Bid Documents for this Project, for the Lump Sum of:

The COAST Academy $_____(Figures only)

Waccamaw Elementary School $_____(Figures only)

Combined $_____(Figures only)

Project will be awarded to lowest qualified, responsive Combined Bidder. Breakout pricing is requested for Owner's accounting and funding purposes.

ALTERNATES

Should any of the alternates as described in the contract documents be accepted, the amount written below shall be the amount to be "**added to**" the base bid. Alternate price should include all cost of overhead and profit. Construction Manager and Owner expressly reserve the right to accept or reject any or all Alternate Prices in any sequence. Acceptance or rejection of alternates shall not change the contract duration nor relieve the Bidder of timely completion of work within the time periods indicated in the contract documents.

Waccamaw K-2 Building Replacement

Alternate W-2, Pre-engineered Metal Canopies

Base Bid: Provide a complete installation of the structural framed, metal deck and membrane roof canopies (Main Bus Students & East Canopies) as required to support the project

Alternate: Provide a complete installation of pre-engineered metal canopies (Main Bus Student & East canopies) as indicated in lieu of base bid structural-framed canopies

If **there is no cost between Base Bid and Alternate W-2**, then Alternate W-2 bid shall be "No Cost"; otherwise, indicate the net cost difference to provide Alternate scope

(Add/Deduct) _____Dollars ($) (figures only)

ALLOWANCES

Allowances should include all cost of work, overhead and profit to make a complete installation and shall be based upon indicated Quantities and Unit Prices, unless otherwise noted. Use of any allowance shall be as directed by Construction Manager.

All listed allowances shall be included as part of the Base Bid Price:

The COAST Academy

1. Unsuitable soils (Trench) removal and disposal **OFF-SITE**; **25 CY** **$ _____ .**
2. Replacement of unsuitable soils (Trench) with select import fill; **25 CY** **$ _____ .**
3. Replacement of unsuitable soils (Trench) with #78 stone; **20 Tons** **$ _____ .**

Waccamaw K-2 Building Replacement

1. Unsuitable soils (Trench) removal and disposal **OFF-SITE**; **25 CY** **$ _____ .**
2. Replacement of unsuitable soils (Trench) with select import fill; **25 CY** **$ _____ .**
3. Replacement of unsuitable soils (Trench) with #78 stone; **20 Tons** **$ _____ .**

UNIT PRICES

Unit prices quoted and accepted shall apply throughout the life of the contract, except as otherwise specifically noted. Unit prices shall be applied, as appropriate, to compute the total value of changes in the base bid quantity of the work all in accordance with the contract documents. Construction Manager reserves the right to reject, negotiate or accept all unit prices prior to contract award.

The COAST Academy

UP-01 Unsuitable soils (Trench) removal & disposal **OFF-SITE** **$ _____ / CY**
UP-02 Replacement of unsuitable soils (Trench) with select import fill **$ _____ / CY**
UP-03 Replacement of unsuitable soils (Trench) with #57 stone **$ _____ /Ton**

Waccamaw K-2 Building Replacement

UP-01 Unsuitable soils (Trench) removal & disposal **OFF-SITE** **$ _____ / CY**
UP-02 Replacement of unsuitable soils (Trench) with select import fill **$ _____ / CY**
UP-03 Replacement of unsuitable soils (Trench) with #57 stone **$ _____ /Ton**

MINORITY BUSINESS PARTICIPATION REQUIREMENTS

Provide with the bid - Under GS 143-128.2(c) the undersigned bidder shall identify **on its bid** (Identification of Minority Business Participation Form) the minority businesses that it will use on the project with the total dollar value of the bids that will be performed by the minority businesses. **Also** list the good faith efforts (Affidavit **A**) made to solicit minority participation in the bid effort.

NOTE: A contractor that performs all of the work with its own workforce may submit an Affidavit (**B)** to that effect in lieu of Affidavit (**A)** required above. The MB Participation Form must still be submitted even if there is zero participation.

After the bid opening - The Construction Manager will consider all bids and alternates and determine the lowest responsible, responsive bidder. Upon notification of being the apparent low bidder, the bidder shall then file within 72 hours of the notification of being the apparent lowest bidder, the following:

An Affidavit (**C**) that includes a description of the portion of work to be executed by minority businesses, expressed as a percentage of the total contract price, which is equal to or more than the 10% goal established. This affidavit shall give rise to the presumption that the bidder has made the required good faith effort and Affidavit **D** is not necessary;

* OR *

If less than the 10% goal, Affidavit (**D**) of its good faith effort to meet the goal shall be provided. The document must include evidence of all good faith efforts that were implemented, including any advertisements, solicitations and other specific actions demonstrating recruitment and selection of minority businesses for participation in the contract.

Note: Bidders must always submit **with their bid** the Identification of Minority Business Participation Form listing all MB contractors, vendors and suppliers that will be used. Affidavit A **or** Affidavit B, as applicable, also must be submitted with the bid. Failure to file a required affidavit or documentation with the bid or after being notified apparent low bidder is grounds for rejection of the bid.

Proposal Signature Page

Bidder further proposes and agrees to commence work under this contract on a date to be specified by the Construction Manager at Risk and shall pursue the scope of work included in its contract in accordance with the schedule prepared by the Construction Manager at Risk.

Respectfully submitted this,

_____Day of_____, 2019
(Write the Date of the Month in Words) (Write the Name of the Current Month)

WITNESS:

By: _____
(Printed Name of Person Signing Bid)

_____
(Witness Signs here if you are a Proprietorship or Partnership)

_____
(Signature)

ADDRESS:
_____

TITLE: _____
(Owner, Partner, President or Vice President)

_____

LICENSE #:_____

_____

FEDERAL ID#: _____

ATTEST:

By: _____

(CORPORATE SEAL)

TITLE: _____
(Corporate Secretary or Asst. Secretary Only

Bid Manual received and used in computing bid (Initial here) _____

Addendum received and used in computing bid. Failure to acknowledge receipt of addendum may result in bid being considered non-responsive. (Initial each as applicable)

Addendum No. 1 _____ Addendum No. 2 ____ Addendum No. 3_____ Addendum No. 4_____

Construction Manager Clarification received and used in computing bid. Failure to acknowledge receipt of clarification may result in bid being considered non-responsive. (Initial each as applicable)

Clarification No. 1_____ Clarification No. 2____ Clarification No. 3____ Clarification No. 4_____
Clarification No. 5_____ Clarification No. 6____ Clarification No. 7____ Clarification No. 8_____

FORM OF PROPOSAL

Project: **Brunswick County Schools**

The COAST Academy
1109 Old Ocean Hwy
Bolivia, NC 28422

Waccamaw K-2 Building Replacement
5901 Waccamaw School Road
Ash, NC 28420

Bids Submitted To: Bordeaux Construction Company, Inc. – Construction Manager

NOTE: BASIS OF AWARD WILL BE BASED ON THE LOWEST COMBINED TOTAL PRICE

BID PACKAGE: **BP – 23A HVAC**
BIDDER: _____
NC License #: _____
(License applies to BP 02 Surveying, BP 21A Fire Protection, BP 22A Plumbing, BP 23A HVAC, BP23A HVAC & Plumbing, BP 26A Electrical, BP-28A Security Electronics, or others as required by NC Statute)
Date: **Tuesday, May 26th**
Bid Time: **3:00 pm**

The undersigned, as Bidder, hereby declares that the only person or persons interested in this proposal as principal or principals is or are named herein and that no other person than herein mentioned has any interest in this proposal or in the contract to be entered into; that this proposal is made without connection with any other person, company or parties making a bid or proposal; and that it is in all respects fair and in good faith without collusion or fraud. Bidder further declares that he/she has examined the site of the work and the contract documents relative thereto, and has read all special provisions furnished prior to the opening of bids; that Bidder has satisfied themselves relative to the work to be performed.

Bidder proposes and agrees if this proposal is accepted to contract with Bordeaux Construction in the form of contract specified in the bid manual, to furnish all necessary materials, equipment, machinery, tools, apparatus, means of transportation and labor necessary to complete the construction of:

Bid Package 01 – General Inclusions
Bid Package 23A HVAC

in full in complete accordance with the plans, specifications and contract documents, within the contract time as detailed in each project's respective Bid Schedule, to the full and entire satisfaction of Brunswick County Schools and Bordeaux Construction with a definite understanding that no money will be allowed for extra work except as set forth in the General Conditions and the Contract Documents.

Bid Package: 23A HVAC

BASE BID PRICE

The Base Bid Price includes all Work required by and in strict accordance with the Bid Documents for this Project, for the Lump Sum of:

The COAST Academy $_____(Figures only)

Waccamaw Elementary School $_____(Figures only)

Combined $_____(Figures only)

Project will be awarded to lowest qualified, responsive Combined Bidder. Breakout pricing is requested for Owner's accounting and funding purposes.

ALTERNATES

Should any of the alternates as described in the contract documents be accepted, the amount written below shall be the amount to be "**added to**" the base bid. Alternate price should include all cost of overhead and profit. Construction Manager and Owner expressly reserve the right to accept or reject any or all Alternate Prices in any sequence. Acceptance or rejection of alternates shall not change the contract duration nor relieve the Bidder of timely completion of work within the time periods indicated in the contract documents.

The COAST Academy

Alternate C-1, Owner Preferred Brand – Controls System

Base Bid: Provide a complete controls installation as required to support the project
Alternate: Provide a complete controls installation as required to support the project using **Schneider Electric BAS StruxureWare system** as the controls system. Installation must fully integrate with Owner's existing **Schneider Electric BAS StruxureWare controls system.**

If **Schneider Electric BAS StruxureWare system** is the apparent low controls system, Alternate C-1 bid shall be "No Cost"; otherwise, indicate the net cost difference to provide Alternate scope

(Add) _____Dollars ($) (figures only)

Waccamaw K-2 Building Replacement

Alternate W-1, Owner Preferred Brand – Controls System

Base Bid: Provide a complete controls installation as required to support the project
Alternate: Provide a complete controls installation as required to support the project using **Schneider Electric BAS StruxureWare system** as the controls system. Installation must fully integrate with Owner's existing **Schneider Electric BAS StruxureWare controls system.**

If **Schneider Electric BAS StruxureWare system** is the apparent low controls system, Alternate W-1 bid shall be "No Cost"; otherwise, indicate the net cost difference to provide Alternate scope

(Add) _____Dollars ($) (figures only)

ALLOWANCES

Allowances should include all cost of work, overhead and profit to make a complete installation and shall be based upon indicated Quantities and Unit Prices, unless otherwise noted. Use of any allowance shall be as directed by Construction Manager.

All listed allowances shall be included as part of the Base Bid Price:

The COAST Academy

#1 Additional BAS training; **5 hours** **$ _____.**

Waccamaw K-2 Building Replacement

#1 Additional BAS training; **5 hours** **$ _____.**

UNIT PRICES

Unit prices quoted and accepted shall apply throughout the life of the contract, except as otherwise specifically noted. Unit prices shall be applied, as appropriate, to compute the total value of changes in the base bid quantity of the work all in accordance with the contract documents. Construction Manager reserves the right to reject, negotiate or accept all unit prices prior to contract award.

The COAST Academy

UP-01 Labor rate **$ _____/ hour**

Waccamaw K-2 Building Replacement

UP-01 Labor rate **$ _____/ hour**

MINORITY BUSINESS PARTICIPATION REQUIREMENTS

Provide with the bid - Under GS 143-128.2(c) the undersigned bidder shall identify **on its bid** (Identification of Minority Business Participation Form) the minority businesses that it will use on the project with the total dollar value of the bids that will be performed by the minority businesses. **Also** list the good faith efforts (Affidavit **A**) made to solicit minority participation in the bid effort.

NOTE: A contractor that performs all of the work with its own workforce may submit an Affidavit (**B)** to that effect in lieu of Affidavit (**A)** required above. The MB Participation Form must still be submitted even if there is zero participation.

After the bid opening - The Construction Manager will consider all bids and alternates and determine the lowest responsible, responsive bidder. Upon notification of being the apparent low bidder, the bidder shall then file within 72 hours of the notification of being the apparent lowest bidder, the following:

An Affidavit (**C**) that includes a description of the portion of work to be executed by minority businesses, expressed as a percentage of the total contract price, which is equal to or more than the 10% goal established. This affidavit shall give rise to the presumption that the bidder has made the required good faith effort and Affidavit **D** is not necessary;

* OR *

If less than the 10% goal, Affidavit (**D**) of its good faith effort to meet the goal shall be provided. The document must include evidence of all good faith efforts that were implemented, including any advertisements, solicitations and other specific actions demonstrating recruitment and selection of minority businesses for participation in the contract.

Note: Bidders must always submit **with their bid** the Identification of Minority Business Participation Form listing all MB contractors, vendors and suppliers that will be used. Affidavit A **or** Affidavit B, as applicable, also must be submitted with the bid. Failure to file a required affidavit or documentation with the bid or after being notified apparent low bidder is grounds for rejection of the bid.

Proposal Signature Page

Bidder further proposes and agrees to commence work under this contract on a date to be specified by the Construction Manager at Risk and shall pursue the scope of work included in its contract in accordance with the schedule prepared by the Construction Manager at Risk.

Respectfully submitted this,

_____Day of_____, 2019
(Write the Date of the Month in Words) (Write the Name of the Current Month)

WITNESS:

By: _____
(Printed Name of Person Signing Bid)

_____
(Witness Signs here if you are a Proprietorship or Partnership)

_____
(Signature)

ADDRESS:
_____

TITLE: _____
(Owner, Partner, President or Vice President)

_____

LICENSE #:_____

_____

FEDERAL ID#: _____

ATTEST:

By: _____

(CORPORATE SEAL)

TITLE: _____
(Corporate Secretary or Asst. Secretary Only

Bid Manual received and used in computing bid (Initial here) _____

Addendum received and used in computing bid. Failure to acknowledge receipt of addendum may result in bid being considered non-responsive. (Initial each as applicable)

Addendum No. 1 _____ Addendum No. 2 ____ Addendum No. 3_____ Addendum No. 4_____

Construction Manager Clarification received and used in computing bid. Failure to acknowledge receipt of clarification may result in bid being considered non-responsive. (Initial each as applicable)

Clarification No. 1_____ Clarification No. 2____ Clarification No. 3____ Clarification No. 4_____
Clarification No. 5_____ Clarification No. 6____ Clarification No. 7____ Clarification No. 8_____

FORM OF PROPOSAL

Project: **Brunswick County Schools**

The COAST Academy
1109 Old Ocean Hwy
Bolivia, NC 28422

Waccamaw K-2 Building Replacement
5901 Waccamaw School Road
Ash, NC 28420

Bids Submitted To: Bordeaux Construction Company, Inc. – Construction Manager

NOTE: BASIS OF AWARD WILL BE BASED ON THE LOWEST COMBINED TOTAL PRICE

BID PACKAGE: **BP – 23B Plumbing & HVAC Combo**
BIDDER: _____
NC License #: _____
(License applies to BP 02 Surveying, BP 21A Fire Protection, BP 22A Plumbing, BP 23A HVAC, BP23A HVAC & Plumbing, BP 26A Electrical, BP-28A Security Electronics, or others as required by NC Statute)
Date: **Tuesday, May 26th**
Bid Time: **3:00 pm**

The undersigned, as Bidder, hereby declares that the only person or persons interested in this proposal as principal or principals is or are named herein and that no other person than herein mentioned has any interest in this proposal or in the contract to be entered into; that this proposal is made without connection with any other person, company or parties making a bid or proposal; and that it is in all respects fair and in good faith without collusion or fraud. Bidder further declares that he/she has examined the site of the work and the contract documents relative thereto, and has read all special provisions furnished prior to the opening of bids; that Bidder has satisfied themselves relative to the work to be performed.

Bidder proposes and agrees if this proposal is accepted to contract with Bordeaux Construction in the form of contract specified in the bid manual, to furnish all necessary materials, equipment, machinery, tools, apparatus, means of transportation and labor necessary to complete the construction of:

Bid Package 01 – General Inclusions
Bid Package 23B Plumbing & HVAC Combo

in full in complete accordance with the plans, specifications and contract documents, within the contract time as detailed in each project's respective Bid Schedule, to the full and entire satisfaction of Brunswick County Schools and Bordeaux Construction with a definite understanding that no money will be allowed for extra work except as set forth in the General Conditions and the Contract Documents.

Bid Package: 23B Plumbing & HVAC Combo

BASE BID PRICE

The Base Bid Price includes all Work required by and in strict accordance with the Bid Documents for this Project, for the Lump Sum of:

The COAST Academy $_____(Figures only)

Waccamaw Elementary School $_____(Figures only)

Combined $_____(Figures only)

Project will be awarded to lowest qualified, responsive Combined Bidder. Breakout pricing is requested for Owner's accounting and funding purposes.

ALTERNATES

Should any of the alternates as described in the contract documents be accepted, the amount written below shall be the amount to be "**added to**" the base bid. Alternate price should include all cost of overhead and profit. Construction Manager and Owner expressly reserve the right to accept or reject any or all Alternate Prices in any sequence. Acceptance or rejection of alternates shall not change the contract duration nor relieve the Bidder of timely completion of work within the time periods indicated in the contract documents.

The COAST Academy

Alternate C-1, Owner Preferred Brand – Controls System

Base Bid: Provide a complete controls installation as required to support the project
Alternate: Provide a complete controls installation as required to support the project using **Schneider Electric BAS StruxureWare system** as the controls system. Installation must fully integrate with Owner's existing **Schneider Electric BAS StruxureWare controls system.**

If **Schneider Electric BAS StruxureWare system** is the apparent low controls system, Alternate C-1 bid shall be "No Cost"; otherwise, indicate the net cost difference to provide Alternate scope

(Add) _____Dollars ($) (figures only)

Waccamaw K-2 Building Replacement

Alternate W-1, Owner Preferred Brand – Controls System

Base Bid: Provide a complete controls installation as required to support the project
Alternate: Provide a complete controls installation as required to support the project using **Schneider Electric BAS StruxureWare system** as the controls system. Installation must fully integrate with Owner's existing **Schneider Electric BAS StruxureWare controls system.**

If **Schneider Electric BAS StruxureWare system** is the apparent low controls system, Alternate W-1 bid shall be "No Cost"; otherwise, indicate the net cost difference to provide Alternate scope

(Add) _____Dollars ($) (figures only)

Alternate W-2, Pre-engineered Metal Canopies

Base Bid: Provide a complete installation of the structural framed, metal deck and membrane roof canopies (Main Bus Students & East Canopies) as required to support the project
Alternate: Provide a complete installation of pre-engineered metal canopies (Main Bus Student & East canopies) as indicated in lieu of base bid structural-framed canopies

If **there is no cost between Base Bid and Alternate W-2**, then Alternate W-2 bid shall be "No Cost"; otherwise, indicate the net cost difference to provide Alternate scope

(Add/Deduct) _____Dollars ($) (figures only)

ALLOWANCES

Allowances should include all cost of work, overhead and profit to make a complete installation and shall be based upon indicated Quantities and Unit Prices, unless otherwise noted. Use of any allowance shall be as directed by Construction Manager.

All listed allowances shall be included as part of the Base Bid Price:

The COAST Academy

Plumbing

1. Unsuitable soils (Trench) removal and disposal **OFF-SITE**; **25 CY** **$ _____.**
2. Replacement of unsuitable soils (Trench) with select import fill; **25 CY** **$ _____.**
3. Replacement of unsuitable soils (Trench) with #78 stone; **20 Tons** **$ _____.**

Mechanical

1. Additional BAS training; **5 hours** **$ _____.**

Waccamaw K-2 Building Replacement

Plumbing

1. Unsuitable soils (Trench) removal and disposal **OFF-SITE**; **25 CY** $ _____ .
2. Replacement of unsuitable soils (Trench) with select import fill; **25 CY** $ _____ .
3. Replacement of unsuitable soils (Trench) with #78 stone; **20 Tons** $ _____ .

Mechanical

1. Additional BAS training; **5 hours** $ _____ .

UNIT PRICES

Unit prices quoted and accepted shall apply throughout the life of the contract, except as otherwise specifically noted. Unit prices shall be applied, as appropriate, to compute the total value of changes in the base bid quantity of the work all in accordance with the contract documents. Construction Manager reserves the right to reject, negotiate or accept all unit prices prior to contract award.

The COAST Academy

Plumbing

UP-01	Unsuitable soils (Trench) removal & disposal **OFF-SITE**	$ _____ **/ CY**
UP-02	Replacement of unsuitable soils (Trench) with select import fill	$ _____ **/ CY**
UP-03	Replacement of unsuitable soils (Trench) with #57 stone	$ _____ **/Ton**

Mechanical

UP-01	Labor rate	$ _____ **/hour**

Waccamaw K-2 Building Replacement

Plumbing

UP-01	Unsuitable soils (Trench) removal & disposal **OFF-SITE**	$ _____ **/ CY**
UP-02	Replacement of unsuitable soils (Trench) with select import fill	$ _____ **/ CY**
UP-03	Replacement of unsuitable soils (Trench) with #57 stone	$ _____ **/Ton**

Mechanical

UP-01	Labor rate	$ _____ **/hour**

MINORITY BUSINESS PARTICIPATION REQUIREMENTS

Provide with the bid - Under GS 143-128.2(c) the undersigned bidder shall identify **on its bid** (Identification of Minority Business Participation Form) the minority businesses that it will use on the project with the total dollar value of the bids that will be performed by the minority businesses. **Also** list the good faith efforts (Affidavit **A**) made to solicit minority participation in the bid effort.

NOTE: A contractor that performs all of the work with its own workforce may submit an Affidavit (**B)** to that effect in lieu of Affidavit (**A)** required above. The MB Participation Form must still be submitted even if there is zero participation.

After the bid opening - The Construction Manager will consider all bids and alternates and determine the lowest responsible, responsive bidder. Upon notification of being the apparent low bidder, the bidder shall then file within 72 hours of the notification of being the apparent lowest bidder, the following:

An Affidavit (**C**) that includes a description of the portion of work to be executed by minority businesses, expressed as a percentage of the total contract price, which is equal to or more than the 10% goal established. This affidavit shall give rise to the presumption that the bidder has made the required good faith effort and Affidavit **D** is not necessary;

* OR *

If less than the 10% goal, Affidavit (**D**) of its good faith effort to meet the goal shall be provided. The document must include evidence of all good faith efforts that were implemented, including any advertisements, solicitations and other specific actions demonstrating recruitment and selection of minority businesses for participation in the contract.

Note: Bidders must always submit **with their bid** the Identification of Minority Business Participation Form listing all MB contractors, vendors and suppliers that will be used. Affidavit A **or** Affidavit B, as applicable, also must be submitted with the bid. Failure to file a required affidavit or documentation with the bid or after being notified apparent low bidder is grounds for rejection of the bid.

Proposal Signature Page

Bidder further proposes and agrees to commence work under this contract on a date to be specified by the Construction Manager at Risk and shall pursue the scope of work included in its contract in accordance with the schedule prepared by the Construction Manager at Risk.

Respectfully submitted this,

_____Day of_____, 2019
(Write the Date of the Month in Words) (Write the Name of the Current Month)

WITNESS:

By: _____
(Printed Name of Person Signing Bid)

_____
(Witness Signs here if you are a Proprietorship or Partnership)

_____
(Signature)

ADDRESS:
_____

TITLE: _____
(Owner, Partner, President or Vice President)

_____

LICENSE #:_____

_____

FEDERAL ID#: _____

ATTEST:

By: _____

(CORPORATE SEAL)

TITLE: _____
(Corporate Secretary or Asst. Secretary Only

Bid Manual received and used in computing bid (Initial here) _____

Addendum received and used in computing bid. Failure to acknowledge receipt of addendum may result in bid being considered non-responsive. (Initial each as applicable)

Addendum No. 1 _____ Addendum No. 2 ____ Addendum No. 3_____ Addendum No. 4_____

Construction Manager Clarification received and used in computing bid. Failure to acknowledge receipt of clarification may result in bid being considered non-responsive. (Initial each as applicable)

Clarification No. 1_____ Clarification No. 2____ Clarification No. 3____ Clarification No. 4_____
Clarification No. 5_____ Clarification No. 6____ Clarification No. 7____ Clarification No. 8_____

FORM OF PROPOSAL

Project: **Brunswick County Schools**

The COAST Academy
1109 Old Ocean Hwy
Bolivia, NC 28422

Waccamaw K-2 Building Replacement
5901 Waccamaw School Road
Ash, NC 28420

Bids Submitted To: Bordeaux Construction Company, Inc. – Construction Manager

NOTE: BASIS OF AWARD WILL BE BASED ON THE LOWEST COMBINED TOTAL PRICE

BID PACKAGE: **BP – 26A Electrical**
BIDDER: _____
NC License #: _____
(License applies to BP 02 Surveying, BP 21A Fire Protection, BP 22A Plumbing, BP 23A HVAC, BP23A HVAC & Plumbing, BP 26A Electrical, BP-28A Security Electronics, or others as required by NC Statute)
Date: **Tuesday, May 26th**
Bid Time: **3:00 pm**

The undersigned, as Bidder, hereby declares that the only person or persons interested in this proposal as principal or principals is or are named herein and that no other person than herein mentioned has any interest in this proposal or in the contract to be entered into; that this proposal is made without connection with any other person, company or parties making a bid or proposal; and that it is in all respects fair and in good faith without collusion or fraud. Bidder further declares that he/she has examined the site of the work and the contract documents relative thereto, and has read all special provisions furnished prior to the opening of bids; that Bidder has satisfied themselves relative to the work to be performed.

Bidder proposes and agrees if this proposal is accepted to contract with Bordeaux Construction in the form of contract specified in the bid manual, to furnish all necessary materials, equipment, machinery, tools, apparatus, means of transportation and labor necessary to complete the construction of:

Bid Package 01 – General Inclusions
Bid Package 26A Electrical

in full in complete accordance with the plans, specifications and contract documents, within the contract time as detailed in each project's respective Bid Schedule, to the full and entire satisfaction of Brunswick County Schools and Bordeaux Construction with a definite understanding that no money will be allowed for extra work except as set forth in the General Conditions and the Contract Documents.

Bid Package: 26A Electrical

BASE BID PRICE

The Base Bid Price includes all Work required by and in strict accordance with the Bid Documents for this Project, for the Lump Sum of:

The COAST Academy $_____(Figures only)

Waccamaw Elementary School $_____(Figures only)

Combined $_____(Figures only)

Project will be awarded to lowest qualified, responsive Combined Bidder. Breakout pricing is requested for Owner's accounting and funding purposes.

ALTERNATES

Should any of the alternates as described in the contract documents be accepted, the amount written below shall be the amount to be "**added to**" the base bid. Alternate price should include all cost of overhead and profit. Construction Manager and Owner expressly reserve the right to accept or reject any or all Alternate Prices in any sequence. Acceptance or rejection of alternates shall not change the contract duration nor relieve the Bidder of timely completion of work within the time periods indicated in the contract documents.

The COAST Academy

Alternate C-6, Owner Preferred Brand – Open Options Software Integration

Base Bid: Provide a complete card access control system installation as required to support the project

Alternate: Provide a complete card access control installation using devices and electronic locks compatible with **Open Options Software** as required to support the project. Installation must fully integrate with Owner's existing **Open Options Software** access control system.

If electronic locks and devices are compatible with **Open Options Software**, Alternate C-6 bid shall be "No Cost"; otherwise, indicate the net cost difference to provide Alternate scope

(Add) _____Dollars ($) (figures only)

Alternate C-7, Owner Preferred Brand – Video Insight CCTV System

Base Bid: Provide a complete CCTV system installation as required to support the project
Alternate: Provide a complete **Video Insight** CCTV system installation as required to support the project. Installation must fully integrate with Owner's existing **Video Insight** CCTV system.

If **Video Insight** is the apparent low CCTV system, Alternate C-7 bid shall be "No Cost"; otherwise, indicate the net cost difference to provide Alternate scope

(Add) _____Dollars ($) (figures only)

Alternate C-8, Owner Preferred Brand – Notifier Fire Alarm System

Base Bid: Provide a complete fire alarm system installation as required to support the project
Alternate: Provide a complete **Notifier** fire alarm system installation as required to support the project. Installation must fully integrate with Owner's existing **Notifier** fire alarm system.

If **Notifier** is the apparent low fire alarm system, Alternate C-8 bid shall be "No Cost"; otherwise, indicate the net cost difference to provide Alternate scope

(Add) _____Dollars ($) (figures only)

Alternate C-9, Owner Preferred Brand – Ademco 128FP Security System

Base Bid: Provide a complete security system installation as required to support the project
Alternate: Provide a complete **Ademco** security system installation as required to support the project. Installation must fully integrate with Owner's existing **Ademco 128FP Security System**.

If **Ademco** is the apparent low security system, Alternate C-9 bid shall be "No Cost"; otherwise, indicate the net cost difference to provide Alternate scope

(Add) _____Dollars ($) (figures only)

Alternate C-10, Automotive Center—Provide Motorized Overhead Door

Base Bid: Provide two (2) manual-operated overhead doors and one (1) motorized overhead door to include all associated controls and final connection at power source junction box. Electrical circuits for power will be installed to a junction box above each door as indicated on drawings.

Alternate: Provide cost to convert one (1) manual-operated overhead door to a motorized-overhead door to include all associated controls and final connection at power source junction box.

(Add) _____Dollars ($) (figures only)

Waccamaw K-2 Building Replacement

Alternate W-6, Owner Preferred Brand – Open Options Software Integration

Base Bid: Provide a complete card access control system installation as required to support the project

Alternate: Provide a complete card access control installation using devices and electronic locks compatible with **Open Options Software** as required to support the project. Installation must fully integrate with Owner's existing **Open Options Software** access control system.

If electronic locks and devices are compatible with **Open Options Software**, Alternate W-6 bid shall be "No Cost"; otherwise, indicate the net cost difference to provide Alternate scope

(Add) _____Dollars ($) (figures only)

Alternate W-7, Owner Preferred Brand – Video Insight CCTV System

Base Bid: Provide a complete CCTV system installation as required to support the project

Alternate: Provide a complete **Video Insight** CCTV system installation as required to support the project. Installation must fully integrate with Owner's existing **Video Insight** CCTV system.

If **Video Insight** is the apparent low CCTV system, Alternate W-7 bid shall be "No Cost"; otherwise, indicate the net cost difference to provide Alternate scope

(Add) _____Dollars ($) (figures only)

Alternate W-8, Owner Preferred Brand – Notifier Fire Alarm System

Base Bid: Provide a complete fire alarm system installation as required to support the project

Alternate: Provide a complete **Notifier** fire alarm system installation as required to support the project. Installation must fully integrate with Owner's existing **Notifier** fire alarm system.

If **Notifier** is the apparent low fire alarm system, Alternate W-8 bid shall be "No Cost"; otherwise, indicate the net cost difference to provide Alternate scope

(Add) _____Dollars ($) (figures only)

Alternate W-9, Owner Preferred Brand – Ademco 128FP Security System

Base Bid: Provide a complete security system installation as required to support the project

Alternate: Provide a complete **Ademco** security system installation as required to support the project. Installation must fully integrate with Owner's existing **Ademco 128FP Security System**.

If **Ademco** is the apparent low security system, Alternate W-9 bid shall be "No Cost"; otherwise, indicate the net cost difference to provide Alternate scope

(Add) _____Dollars ($) (figures only)

ALLOWANCES

Allowances should include all cost of work, overhead and profit to make a complete installation and shall be based upon indicated Quantities and Unit Prices, unless otherwise noted. Use of any allowance shall be as directed by Construction Manager.

All listed allowances shall be included as part of the Base Bid Price:

The COAST Academy

1. Unsuitable soils (Trench) removal & disposal OFF-SITE, **25 CY** $ _____.
2. Replacement of unsuitable soils (Trench) with select import fill, **25 CY** $ _____.
3. Replacement of unsuitable soils (Trench) with #78 stone, **20 Tons** $ _____.
4. Horn Strobe; **3 each** $ _____.
5. Exit Light; **3 each** $ _____.
6. Smoke Detector; **3 each** $ _____.
7. Duplex Receptacle; **3 each** $ _____.
8. Data Outlet; **3 each** $ _____.

9. Duct Detector; **3 each** $ _____ .

Waccamaw K-2 Building Replacement

1. Unsuitable soils (Trench) removal & disposal OFF-SITE, **25 CY** $ _____ .
2. Replacement of unsuitable soils (Trench) with select import fill, **25 CY** $ _____ .
3. Replacement of unsuitable soils (Trench) with #78 stone, **20 Tons** $ _____ .
4. Horn Strobe; **3 each** $ _____ .
5. Exit Light; **3 each** $ _____ .
6. Smoke Detector; **3 each** $ _____ .
7. Duplex Receptacle; **3 each** $ _____ .
8. Data Outlet; **3 each** $ _____ .
9. Duct Detector; **3 each** $ _____ .

UNIT PRICES

Unit prices quoted and accepted shall apply throughout the life of the contract, except as otherwise specifically noted. Unit prices shall be applied, as appropriate, to compute the total value of changes in the base bid quantity of the work all in accordance with the contract documents. Construction Manager reserves the right to reject, negotiate or accept all unit prices prior to contract award.

The COAST Academy

UP-01	Unsuitable soils (Trench) removal and disposal OFF-SITE	$ _____ / CY
UP-02	Replacement of unsuitable soils (Trench) with select import fill	$ _____ / CY
UP-03	Replacement of unsuitable soils (Trench) with #78 stone	$ _____ /Ton
UP-04	Horn Strobe	$ _____ / each
UP-05	Exit Light	$ _____ / each
UP-06	Smoke Detector	$ _____ / each
UP-07	Duplex Receptacle	$ _____ / each
UP-08	Data Outlet	$ _____ / each
UP-09	Duct Detector	$ _____ / each

Waccamaw K-2 Building Replacement

UP-01	Unsuitable soils (Trench) removal and disposal OFF-SITE	$ _____ / CY
UP-02	Replacement of unsuitable soils (Trench) with select import fill	$ _____ / CY
UP-03	Replacement of unsuitable soils (Trench) with #78 stone	$ _____ /Ton
UP-04	Horn Strobe	$ _____ / each
UP-05	Exit Light	$ _____ / each
UP-06	Smoke Detector	$ _____ / each
UP-07	Duplex Receptacle	$ _____ / each
UP-08	Data Outlet	$ _____ / each
UP-09	Duct Detector	$ _____ / each

MINORITY BUSINESS PARTICIPATION REQUIREMENTS

Provide with the bid - Under GS 143-128.2(c) the undersigned bidder shall identify **on its bid** (Identification of Minority Business Participation Form) the minority businesses that it will use on the project with the total dollar value of the bids that will be performed by the minority businesses. **Also** list the good faith efforts (Affidavit **A**) made to solicit minority participation in the bid effort.

NOTE: A contractor that performs all of the work with its own workforce may submit an Affidavit (**B)** to that effect in lieu of Affidavit (**A)** required above. The MB Participation Form must still be submitted even if there is zero participation.

After the bid opening - The Construction Manager will consider all bids and alternates and determine the lowest responsible, responsive bidder. Upon notification of being the apparent low bidder, the bidder shall then file within 72 hours of the notification of being the apparent lowest bidder, the following:

An Affidavit (**C**) that includes a description of the portion of work to be executed by minority businesses, expressed as a percentage of the total contract price, which is equal to or more than the 10% goal established. This affidavit shall give rise to the presumption that the bidder has made the required good faith effort and Affidavit **D** is not necessary;

* OR *

If less than the 10% goal, Affidavit (**D**) of its good faith effort to meet the goal shall be provided. The document must include evidence of all good faith efforts that were implemented, including any advertisements, solicitations and other specific actions demonstrating recruitment and selection of minority businesses for participation in the contract.

Note: Bidders must always submit **with their bid** the Identification of Minority Business Participation Form listing all MB contractors, vendors and suppliers that will be used. Affidavit A **or** Affidavit B, as applicable, also must be submitted with the bid. Failure to file a required affidavit or documentation with the bid or after being notified apparent low bidder is grounds for rejection of the bid.

Proposal Signature Page

Bidder further proposes and agrees to commence work under this contract on a date to be specified by the Construction Manager at Risk and shall pursue the scope of work included in its contract in accordance with the schedule prepared by the Construction Manager at Risk.

Respectfully submitted this,

_____Day of_____, 2019
(Write the Date of the Month in Words) (Write the Name of the Current Month)

WITNESS:

_____
(Witness Signs here if you are a Proprietorship or Partnership)

By: _____
(Printed Name of Person Signing Bid)

_____
(Signature)

ADDRESS:
_____

_____

_____

TITLE: _____
(Owner, Partner, President or Vice President)

LICENSE #:_____

FEDERAL ID#: _____

ATTEST:

By: _____

TITLE: _____
(Corporate Secretary or Asst. Secretary Only

(CORPORATE SEAL)

Bid Manual received and used in computing bid (Initial here) _____

Addendum received and used in computing bid. Failure to acknowledge receipt of addendum may result in bid being considered non-responsive. (Initial each as applicable)

Addendum No. 1 _____ Addendum No. 2 ____ Addendum No. 3_____ Addendum No. 4_____

Construction Manager Clarification received and used in computing bid. Failure to acknowledge receipt of clarification may result in bid being considered non-responsive. (Initial each as applicable)

Clarification No. 1_____ Clarification No. 2____ Clarification No. 3____ Clarification No. 4_____
Clarification No. 5_____ Clarification No. 6____ Clarification No. 7____ Clarification No. 8_____

FORM OF PROPOSAL

Project: **Brunswick County Schools**

The COAST Academy
1109 Old Ocean Hwy
Bolivia, NC 28422

Waccamaw K-2 Building Replacement
5901 Waccamaw School Road
Ash, NC 28420

Bids Submitted To: Bordeaux Construction Company, Inc. – Construction Manager

NOTE: BASIS OF AWARD WILL BE BASED ON THE LOWEST COMBINED TOTAL PRICE

BID PACKAGE: **BP – 31A Site Turnkey**
BIDDER: _____
NC License #: _____
(License applies to BP 02 Surveying, BP 21A Fire Protection, BP 22A Plumbing, BP 23A HVAC, BP23A HVAC & Plumbing, BP 26A Electrical, BP-28A Security Electronics, or others as required by NC Statute)
Date: **Tuesday, May 26th**
Bid Time: **3:00pm**

The undersigned, as Bidder, hereby declares that the only person or persons interested in this proposal as principal or principals is or are named herein and that no other person than herein mentioned has any interest in this proposal or in the contract to be entered into; that this proposal is made without connection with any other person, company or parties making a bid or proposal; and that it is in all respects fair and in good faith without collusion or fraud. Bidder further declares that he/she has examined the site of the work and the contract documents relative thereto, and has read all special provisions furnished prior to the opening of bids; that Bidder has satisfied themselves relative to the work to be performed.

Bidder proposes and agrees if this proposal is accepted to contract with Bordeaux Construction in the form of contract specified in the bid manual, to furnish all necessary materials, equipment, machinery, tools, apparatus, means of transportation and labor necessary to complete the construction of:

Bid Package 01 – General Inclusions
Bid Package 31A Site Turnkey

in full in complete accordance with the plans, specifications and contract documents, within the contract time as detailed in each project's respective Bid Schedule, to the full and entire satisfaction of Brunswick County Schools and Bordeaux Construction with a definite understanding that no money will be allowed for extra work except as set forth in the General Conditions and the Contract Documents.

Bid Package: 31A Site Turnkey

BASE BID PRICE

The Base Bid Price includes all Work required by and in strict accordance with the Bid Documents for this Project, for the Lump Sum of:

The COAST Academy $_____(Figures only)

Waccamaw Elementary School $_____(Figures only)

Combined $_____(Figures only)

Project will be awarded to lowest qualified, responsive Combined Bidder. Breakout pricing is requested for Owner's accounting and funding purposes.

ALTERNATES

Should any of the alternates as described in the contract documents be accepted, the amount written below shall be the amount to be "**added to**" the base bid. Alternate price should include all cost of overhead and profit. Construction Manager and Owner expressly reserve the right to accept or reject any or all Alternate Prices in any sequence. Acceptance or rejection of alternates shall not change the contract duration nor relieve the Bidder of timely completion of work within the time periods indicated in the contract documents.

Waccamaw K-2 Building Replacement

Alternate W-2, Pre-engineered Metal Canopies

Base Bid: Provide a complete installation of the structural framed, metal deck and membrane roof canopies (Main Bus Students & East Canopies) as required to support the project

Alternate: Provide a complete installation of pre-engineered metal canopies (Main Bus Student & East canopies) as indicated in lieu of base bid structural-framed canopies

If **there is no cost between Base Bid and Alternate W-2**, then Alternate W-2 bid shall be "No Cost"; otherwise, indicate the net cost difference to provide Alternate scope

(Add/Deduct) _____Dollars ($) (figures only)

Alternate W-10, Delete Earthquake Drain Requirements

Base Bid: Provide a complete installation of earthquake drains to include delegated design as outlined in the construction documents

Alternate: Delete the requirements for earthquake drains associated with The Coast Academy

(Deduct) _____Dollars ($) (figures only)

ALLOWANCES

Allowances should include all cost of work, overhead and profit to make a complete installation and shall be based upon indicated Quantities and Unit Prices, unless otherwise noted. Use of any allowance shall be as directed by Construction Manager.

All listed allowances shall be included as part of the Base Bid Price:

1. Crushed Stone (NCDOT CABC); **50 Tons** $_____.
2. Geotechnical Fabric; **250 SY** $_____.
3. Subsurface Drains (trench, install & backfill); **100 LF** $_____.
4. Unsuitable soils (Mass) removal & disposal **OFF-SITE**; **100 CY** $_____.
5. Unsuitable soils (Trench) removal and disposal **OFF-SITE**; **100 CY** $_____.
6. Replacement of unsuitable soils (Mass) with select import fill; **100 CY** $_____.
7. Replacement of unsuitable soils (Mass) with CABC stone; **50 tons** $_____.
8. Replacement of unsuitable soils (Trench) with select import fill; **100 CY** $_____.
9. Replacement of unsuitable soils (Trench) with #57 stone; **50 Tons** $_____.
10. Geogrid (BX-1100 or equal); **250 SY** $_____.
11. Remove & replace concrete sidewalk; **100 SF** $_____.
12. Additional seeding; **200 SY** $_____.
13. Additional sod; **50 SY** $_____.

UNIT PRICES

Unit prices quoted and accepted shall apply throughout the life of the contract, except as otherwise specifically noted. Unit prices shall be applied, as appropriate, to compute the total value of changes in the base bid quantity of the work all in accordance with the contract documents. Construction Manager reserves the right to reject, negotiate or accept all unit prices prior to contract award.

UP-01 Crushed Stone (NCDOT ABC) $_____ **/Ton**
UP-02 Geotextile Fabric $_____ **/ SY**
UP-03 Subsurface Drains $_____ **/ LF**
UP-04 Unsuitable soils (Mass) removal & disposal **OFF-SITE** $_____ **/ CY**
UP-05 Unsuitable soils (Trench) removal & disposal **OFF-SITE** $_____ **/ CY**
UP-06 Replacement of unsuitable soils (Mass) with select import fill $_____ **/ CY**
UP-07 Replacement of unsuitable soils (Mass) with CABC stone $_____ **/Ton**
UP-08 Replacement of unsuitable soils (Trench) with select import fill $_____ **/ CY**
UP-09 Replacement of unsuitable soils (Trench) with #57 stone $_____ **/Ton**
UP-10 Geogrid, BX-1100 or equal $_____ **/ SY**
UP-11 Additional concrete sidewalk $_____ **/ SF**
UP-12 Additional seeding $_____ **/ SY**
UP-13 Additional sod $_____ **/ SY**

MINORITY BUSINESS PARTICIPATION REQUIREMENTS

Provide with the bid - Under GS 143-128.2(c) the undersigned bidder shall identify **on its bid** (Identification of Minority Business Participation Form) the minority businesses that it will use on the project with the total dollar value of the bids that will be performed by the minority businesses. **Also** list the good faith efforts (Affidavit **A**) made to solicit minority participation in the bid effort.

NOTE: A contractor that performs all of the work with its own workforce may submit an Affidavit (**B)** to that effect in lieu of Affidavit (**A)** required above. The MB Participation Form must still be submitted even if there is zero participation.

After the bid opening - The Construction Manager will consider all bids and alternates and determine the lowest responsible, responsive bidder. Upon notification of being the apparent low bidder, the bidder shall then file within 72 hours of the notification of being the apparent lowest bidder, the following:

An Affidavit (**C**) that includes a description of the portion of work to be executed by minority businesses, expressed as a percentage of the total contract price, which is equal to or more than the 10% goal established. This affidavit shall give rise to the presumption that the bidder has made the required good faith effort and Affidavit **D** is not necessary;

* OR *

If less than the 10% goal, Affidavit (**D**) of its good faith effort to meet the goal shall be provided. The document must include evidence of all good faith efforts that were implemented, including any advertisements, solicitations and other specific actions demonstrating recruitment and selection of minority businesses for participation in the contract.

Note: Bidders must always submit **with their bid** the Identification of Minority Business Participation Form listing all MB contractors, vendors and suppliers that will be used. Affidavit A **or** Affidavit B, as applicable, also must be submitted with the bid. Failure to file a required affidavit or documentation with the bid or after being notified apparent low bidder is grounds for rejection of the bid.

Proposal Signature Page

Bidder further proposes and agrees to commence work under this contract on a date to be specified by the Construction Manager at Risk and shall pursue the scope of work included in its contract in accordance with the schedule prepared by the Construction Manager at Risk.

Respectfully submitted this,

_____Day of_____, 2019
(Write the Date of the Month in Words) (Write the Name of the Current Month)

WITNESS:

By: _____
(Printed Name of Person Signing Bid)

_____
(Witness Signs here if you are a Proprietorship or Partnership)

_____
(Signature)

ADDRESS:
_____

TITLE: _____
(Owner, Partner, President or Vice President)

_____

LICENSE #:_____

_____

FEDERAL ID#: _____

ATTEST:

By: _____

(CORPORATE SEAL)

TITLE: _____
(Corporate Secretary or Asst. Secretary Only

Bid Manual received and used in computing bid (Initial here) _____

Addendum received and used in computing bid. Failure to acknowledge receipt of addendum may result in bid being considered non-responsive. (Initial each as applicable)

Addendum No. 1 _____ Addendum No. 2 ____ Addendum No. 3_____ Addendum No. 4_____

Construction Manager Clarification received and used in computing bid. Failure to acknowledge receipt of clarification may result in bid being considered non-responsive. (Initial each as applicable)

Clarification No. 1_____ Clarification No. 2____ Clarification No. 3____ Clarification No. 4_____
Clarification No. 5_____ Clarification No. 6____ Clarification No. 7____ Clarification No. 8_____

FORM OF PROPOSAL

Project: **Brunswick County Schools**

The COAST Academy
1109 Old Ocean Hwy
Bolivia, NC 28422

Waccamaw K-2 Building Replacement
5901 Waccamaw School Road
Ash, NC 28420

Bids Submitted To: Bordeaux Construction Company, Inc. – Construction Manager

NOTE: BASIS OF AWARD WILL BE BASED ON THE LOWEST COMBINED TOTAL PRICE

BID PACKAGE: **BP – 32B Chain Link Fencing**
BIDDER: _____
NC License #: _____
(License applies to BP 02 Surveying, BP 21A Fire Protection, BP 22A Plumbing, BP 23A HVAC, BP23A HVAC & Plumbing, BP 26A Electrical, BP-28A Security Electronics, or others as required by NC Statute)
Date: **Tuesday, May 26th**
Bid Time: **3:00 pm**

The undersigned, as Bidder, hereby declares that the only person or persons interested in this proposal as principal or principals is or are named herein and that no other person than herein mentioned has any interest in this proposal or in the contract to be entered into; that this proposal is made without connection with any other person, company or parties making a bid or proposal; and that it is in all respects fair and in good faith without collusion or fraud. Bidder further declares that he/she has examined the site of the work and the contract documents relative thereto, and has read all special provisions furnished prior to the opening of bids; that Bidder has satisfied themselves relative to the work to be performed.

Bidder proposes and agrees if this proposal is accepted to contract with Bordeaux Construction in the form of contract specified in the bid manual, to furnish all necessary materials, equipment, machinery, tools, apparatus, means of transportation and labor necessary to complete the construction of:

Bid Package 01 – General Inclusions
Bid Package 32B Chain Link Fencing

in full in complete accordance with the plans, specifications and contract documents, within the contract time as detailed in each project's respective Bid Schedule, to the full and entire satisfaction of Brunswick County Schools and Bordeaux Construction with a definite understanding that no money will be allowed for extra work except as set forth in the General Conditions and the Contract Documents.

Bid Package: 32B Chain Link Fencing

BASE BID PRICE

The Base Bid Price includes all Work required by and in strict accordance with the Bid Documents for this Project, for the Lump Sum of:

The COAST Academy $_____(Figures only)

Waccamaw Elementary School $_____(Figures only)

Combined $_____(Figures only)

Project will be awarded to lowest qualified, responsive Combined Bidder. Breakout pricing is requested for Owner's accounting and funding purposes.

ALTERNATES

Should any of the alternates as described in the contract documents be accepted, the amount written below shall be the amount to be "**added to**" the base bid. Alternate price should include all cost of overhead and profit. Construction Manager and Owner expressly reserve the right to accept or reject any or all Alternate Prices in any sequence. Acceptance or rejection of alternates shall not change the contract duration nor relieve the Bidder of timely completion of work within the time periods indicated in the contract documents.

Not Applicable

ALLOWANCES

Allowances should include all cost of work, overhead and profit to make a complete installation and shall be based upon indicated Quantities and Unit Prices, unless otherwise noted. Use of any allowance shall be as directed by Construction Manager.

All listed allowances shall be included as part of the Base Bid Price:

Not Applicable

UNIT PRICES

Unit prices quoted and accepted shall apply throughout the life of the contract, except as otherwise specifically noted. Unit prices shall be applied, as appropriate, to compute the total value of changes in the base bid quantity of the work all in accordance with the contract documents. Construction Manager reserves the right to reject, negotiate or accept all unit prices prior to contract award.

Not Applicable

MINORITY BUSINESS PARTICIPATION REQUIREMENTS

Provide with the bid - Under GS 143-128.2(c) the undersigned bidder shall identify **on its bid** (Identification of Minority Business Participation Form) the minority businesses that it will use on the project with the total dollar value of the bids that will be performed by the minority businesses. **Also** list the good faith efforts (Affidavit **A**) made to solicit minority participation in the bid effort.

NOTE: A contractor that performs all of the work with its own workforce may submit an Affidavit (**B)** to that effect in lieu of Affidavit (**A)** required above. The MB Participation Form must still be submitted even if there is zero participation.

After the bid opening - The Construction Manager will consider all bids and alternates and determine the lowest responsible, responsive bidder. Upon notification of being the apparent low bidder, the bidder shall then file within 72 hours of the notification of being the apparent lowest bidder, the following:

An Affidavit (**C**) that includes a description of the portion of work to be executed by minority businesses, expressed as a percentage of the total contract price, which is equal to or more than the 10% goal established. This affidavit shall give rise to the presumption that the bidder has made the required good faith effort and Affidavit **D** is not necessary;

* OR *

If less than the 10% goal, Affidavit (**D**) of its good faith effort to meet the goal shall be provided. The document must include evidence of all good faith efforts that were implemented, including any advertisements, solicitations and other specific actions demonstrating recruitment and selection of minority businesses for participation in the contract.

Note: Bidders must always submit **with their bid** the Identification of Minority Business Participation Form listing all MB contractors, vendors and suppliers that will be used. Affidavit A **or** Affidavit B, as applicable, also must be submitted with the bid. Failure to file a required affidavit or documentation with the bid or after being notified apparent low bidder is grounds for rejection of the bid.

Proposal Signature Page

Bidder further proposes and agrees to commence work under this contract on a date to be specified by the Construction Manager at Risk and shall pursue the scope of work included in its contract in accordance with the schedule prepared by the Construction Manager at Risk.

Respectfully submitted this,

_____Day of_____, 2019
(Write the Date of the Month in Words) (Write the Name of the Current Month)

WITNESS:

_____
(Witness Signs here if you are a Proprietorship or Partnership)

By: _____
(Printed Name of Person Signing Bid)

_____
(Signature)

ADDRESS:
_____

_____

_____

TITLE: _____
(Owner, Partner, President or Vice President)

LICENSE #:_____

FEDERAL ID#: _____

ATTEST:

By: _____

TITLE: _____
(Corporate Secretary or Asst. Secretary Only

(CORPORATE SEAL)

Bid Manual received and used in computing bid (Initial here) _____

Addendum received and used in computing bid. Failure to acknowledge receipt of addendum may result in bid being considered non-responsive. (Initial each as applicable)

Addendum No. 1 _____ Addendum No. 2 ____ Addendum No. 3_____ Addendum No. 4_____

Construction Manager Clarification received and used in computing bid. Failure to acknowledge receipt of clarification may result in bid being considered non-responsive. (Initial each as applicable)

Clarification No. 1_____ Clarification No. 2____ Clarification No. 3____ Clarification No. 4_____
Clarification No. 5_____ Clarification No. 6____ Clarification No. 7____ Clarification No. 8_____

SECTION 4
BID PACKAGES

- BP-01 GENERAL INCLUSIONS AND SITE SPECIFIC REQUIREMENTS
- SCOPE OF WORK PER BID PACKAGES
    - THE COAST ACADEMY
    - WACCAMAW ELEMENTARY

Exhibit B

Brunswick County Schools
The Coast Academy
Waccamaw K-2 Building Replacement
Job Nos. 1953 & 1952

BP 01 – General Inclusions

This bid package is intended to be complementary to the Contract Documents including the Project Drawings, Specifications, Addendum, and Project Manual. Subcontractor acknowledges that the General Inclusions and Subcontractor Specific Requirements are not intended to describe the complete and final work scope. Reference may be made to the Specifications Sections, but is in no way intended to limit or alter the intent of the contract documents.

BID PACKAGE BP-01 GENERAL INCLUSIONS

The work contained within this bid package detail work for inclusion in all bid packages. Refer to specific bid packages for trade specific requirements and exclusions

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1. DEFINITIONS

a. Unless otherwise noted, all references to "General Contractor", "Subcontractor", "Construction Manager", "CM", "Construction Manager at Risk", "CMAR", "Contractor" or similar in the contract documents shall be understood to work performed under this bid package

b. "Construction Manager" refers to Bordeaux Construction and may also be referenced interchangeably as BCC throughout the Bid Manual, Subcontract Agreement and bidding documents

2. CONTRACT

a. Subcontractor is to include all items in the bid scope in their bid price and agrees to enter into proposed form of subcontract without exception

b. The general contract with the Owner (the "General Contract") is incorporated by reference and made a part of the Subcontract Agreement. Except as modified herein, Subcontractor assumes the same obligations to BCC under the Subcontract Agreement that BCC assumes to the Owner with respect to the Subcontract Work. The language of applicable clauses from the General Contract shall be construed to express the BCC /Subcontractor relationship.

c. In the event of a conflict between any such provisions in the General Contract and the Subcontract Agreement, the terms and conditions of the Subcontract Agreement shall govern

d. Subcontractor acknowledges that it has made a site visit to review conditions that may relate to the performance of the Subcontract Work and has incorporated such knowledge into its Bid for the Subcontract Work

e. Subcontractor has reviewed **ALL** bid and contract documents and has based its bid as such. No claims shall be made for estimates or bids submitted from partial or incomplete sets

f. Subcontractor represents that the bid packages provided within this bid manual are intended as a summary of work and are included as a courtesy

g. Scope of work clarifications within bid packages does not waive any other contract requirements specified in the Bidding Documents or Contract Documents

h. It is understood that Subcontractor, consistent with the terms outlined within the Subcontract Agreement, assumes toward Construction Manager and Owner all obligations that Construction Manager assumes toward Owner in the *Construction Manager Subcontractor Agreement: Construction Services* (Owner Contract) with respect to the work to be performed by Subcontractor under the Subcontract Agreement and that Construction Manager shall have the benefits of all rights, redress and remedies against Subcontractor that Owner has against Construction Manager under the Owner Contract. The Owner Contract is available for review at Construction Manager's home office upon request. It is Subcontractor's responsibility to review and familiarize itself with the Owner Contract and by executing its Subcontract Agreement Subcontractor represents that it has done so. In the event of a conflict between one or more of the Contract Documents, the provision imposing the more demanding term, condition, duty or standard of performance or the greater limitation on the nature and type of relief or damages allowed to Subcontractor shall control

i. Subcontractor has reviewed the proposed form of Subcontract as well as all exhibits and takes no exceptions. The successful bidder will execute the Subcontract Agreement in its current form and without any modification. No previous agreements or terms shall apply to this Subcontract Agreement

j. Subcontractor shall procure all insurances required as detailed in the subcontract agreement and Exhibit G, Insurance Requirements

k. Subcontractor acknowledges that failure to secure insurance coverage or failure to comply with any of the insurance provisions of the Subcontract Agreement or the Contract Documents shall in no way relieve Subcontractor its obligations under the Subcontract Agreement or the Contract Documents

3. COORDINATION BETWEEN PLANS

a. Bidder shall carefully study and compare the Bidding Documents with each other and with other work being bid concurrently or presently under construction to the extent that it relates to the Work for which the Bid is submitted

b. Bidder shall examine the site and local conditions and shall at once report to Construction Manager any errors, inconsistencies or ambiguities discovered

c. Contract Documents including plans, specifications, bid manual, etc. are complementary. Bid packages, specification divisions and drawing divisions are provided as a courtesy, but are in no way construed to relieve Subcontractor from performing work contained within the Subcontract Agreement

d. For purposes of bidding, procuring and performing the Work, and in any event of conflicts or ambiguities between the excerpted information in the Contract Documents, the requirements of applicable codes and standards, the requirements of the specifications, bid manual, etc., Subcontractor is deemed to have provided the better quality or greater quantity of Work

4. ELECTRONIC CONTRACT DOCUMENTS

a. Bidder will be provided contract documents electronically via Procore. No hard copies will be provided.

b. Successful Bidder will be provided Contract Documents electronically via Procore:
   i. No hard copies will be provided
   ii. Contact Matt Miller (matt@bordeauxconstruction.com) for Procore access

c. Subcontract shall be based on the "Contract Documents" as detailed in the Subcontract Agreement. BCC will provide access to a Bluebeam studio session for the benefit of all trades. The Bluebeam studio session will include access to a "conformed" set of documents. BCC makes no representation to the completeness of the "Conformed" set of documents. Subcontractor agrees to waive any and all claims and hold harmless BCC from any claims that may arise from the completeness, accuracy, or any lack thereof of the "Conformed" set

d. Building Information Modeling (BIM) will be provided on this project, refer to Exhibit M of the Subcontract Agreement. Subcontractor shall include all costs in the base bid for BIM software, meetings, coordination, travel, as required for coordination of work provided under their respective bid package

e. All trade disciplines required to provide coordination drawings will be subject to participation in the Virtual Construction Process. These subcontractors will need to make use of relevant technology in order to model their content. An on-site kick-off meeting along with several go-to meetings will be required in order to effectively coordinate the project model. If Subcontractor uses a 3rd party to model their content, the individual from the 3rd party must be an active participant in these meetings. Exhibit M in the Subcontract Documents provides more information on the Virtual Construction Requirements

5. TEMPORARY UTILITIES & FACILITIES

a. Temporary power will be provided to temporary power panel (provided by BP-26A). Subcontractors shall include the cost of alternate power supplies (temporary generators or battery powered equipment) for its work until temporary power service is available at the project. All temporary power consumption charges will be paid for by Construction Manager

b. Unless specifically noted in the bid package, any temporary power requirements in excess of the temporary power panel (3 phase power pigtails or generator) are to be provided by Subcontractor at no additional expense to the project

c. Temporary water will be provided by BP-31A Site Work. With the exception of temporary water usage for landscape maintenance, all water consumption charges will be paid for by Construction Manager

d. Temporary toilets will be provided by Construction Manager for Subcontractor's use

e. Subcontractor is responsible for providing drinking water for all workers supplied under its bid scope

6. ALLOWANCES

a. Subcontractor shall include in the Contract Sum all allowances stated in the bid package

b. Unless otherwise provided in the Contract Documents, the allowance amount following shall include:

   i. Subcontractor's cost of materials and equipment delivered at the site and all required taxes, less applicable trade discounts

   ii. Subcontractor's costs for unloading and handling at the site

   iii. Installation costs, overhead, profit and other expenses contemplated for stated allowance amounts shall be included in the Contract Sum but not in the allowances; and

   iv. Whenever costs are more than or less than allowances, the Contract Sum shall be adjusted accordingly by Change Order using unit prices as included in contract where applicable

c. Materials and equipment under an allowance shall be selected by Owner with reasonable promptness. Subcontractor shall identity the date for Owner's selection on the critical path of Construction Manager's Construction Schedule; allow Owner a minimum notice of two weeks before this date

7. CHANGE ORDERS

a. All change orders shall be submitted on the change proposal form(s) included as Exhibit J of the Project Bid Manual

b. Change Orders shall be prepared utilizing subcontractor (2nd tier, 3rd tier, etc.) quotes, presented in the same format [use Change Order Form, Exhibit L] and subject to the same requirements

c. Claims for additional cost by Subcontractor must be initiated by written notice to Construction Manager within 21 days after occurrence of the event giving rise to such Claim or within 21 days after Claimant first recognizes the condition giving rise to the Claim, whichever is later. At Construction Manager's sole discretion, Construction Manager may consider claims received after this period, but is under no obligation to accept claims for additional cost submitted after this time period

d. The cost to which overhead and profit is to be applied shall be determined based on the following, unless noted otherwise:

   i. Material quantities and unit prices (show sales tax as a line item)

   ii. Labor costs (unburdened cost, include man hours and unit rate per man hour. In the case where a unit price is included in the contract, apply unit rate)

   iii. Construction equipment cost (must provide rental invoice or substantiate equipment rental rate)

   iv. Lower-tier subcontractor costs (all lower-tier subcontractors must follow the same Change Order procedures)

   v. In order to facilitate checking of quotations for extras or credits, all proposals, except those so minor that their propriety can be seen by inspection, shall be accompanied by a complete itemization of costs in the

manner prescribed above. Where major cost items are changes to subcontracts, they shall be itemized also. In no case will a change involving over $500.00 be approved without such itemization

vi. **Do Not round values; use actual dollars and cents**

vii. Costs for bond premium shall only apply to those trades with a payment and performance bond required

e. When both additions and credits covering related Work or substitutions are involved in a change, the allowance for overhead and profit shall be figured on the basis of net increase, if any, with respect to that change

f. Failure by Subcontractor to provide the information requested shall result in rejection of the change order and a request for resubmittal. Delay in the processing of the change order due to lack of proper submittal by Subcontractor in accordance with this paragraph or due to errors in the change order calculations shall not constitute grounds for a time extension or basis for a claim. Subcontractor is responsible for submitting all changes on required change proposal form with all required auditable backup documentation.

g. Labor burden percentage shall not exceed **30%** in any case

h. The amount for Overhead and profit combined shall be based on the following schedule:

i. For Subcontractor (1st tier), for Work performed by Subcontractor's own forces, Ten percent **(10%)** of the cost

ii. For Subcontractor, for Work performed by its subcontractors (2nd tier, 3rd tier, etc.), Five percent **(5%)** of the amount due the lower-tier subcontractors

iii. For lower-tier subcontractors (2nd tier, 3rd tier, etc.) involved, for Work performed by that subcontractor's own forces, Ten percent **(10%)** of the cost

iv. For a deductive Change Order for Work performed by Subcontractor's own forces, Five Percent **(5%)** of the cost

v. For a deductive Change Order for Work performed by Subcontractor's lower-tier subcontractors (2nd tier, 3rd tier, etc.), Five Percent **(5%)** of the amount due the subcontractors

i. Labor Burden shall be defined as: costs that are applied to labor only, including but not limited to: worker's compensation and public liability, social security tax, old age and unemployment insurance, union welfare fund and fringe benefits

j. Overhead shall be defined as, but not be limited to: project management, home office personnel executive, wages of timekeepers, watchmen and clerks, admin, small tools, incidentals, general office expenses, insurance premiums, and all other expenses not included in "costs."

k. Change orders based on unit prices (as listed in the Contract Documents) shall include such breakdowns for work performed by Subcontractor and the cost extensions based on the unit prices in the Contract Documents. Unless otherwise noted, change orders based on Unit Price adjustments already include all required markup for cost, sales tax, labor burden, equipment, OH&P, etc… and shall apply to both additive and deductive change orders

l. If unit prices are stated in the Contract Documents or subsequently agreed upon, and if quantities originally contemplated are materially changed in a proposed Change Order or Construction Change Directive so that application of such unit prices to quantities of Work proposed will cause substantial inequity to the Owner or Subcontractor, the applicable unit prices shall be equitably adjusted

8. UNIT PRICES

a. Unit Prices as listed may be utilized by Construction Manager to make contract cost adjustments for changes in the Work. Unit prices shall include cost for labor, materials, equipment, insurances, taxes, bond premium, combined Overhead and Profit of fifteen percent (15%) and other related incidentals and remain firm and in effect for the duration of the contract

b. For the purpose of using a unit price as backup to a change order labor rate, the "unburdened" unit price shall be obtained by dividing the unit price by 1.45 (15% for OH&P 30% for labor burden). For example, a unit price for general labor of $17.4/hr. would equate to an unburdened labor rate of $12.00/hr. + $3.60/hr. for labor burden + $1.80/hr. for OH&P

9. SUPERVISION

a. Subcontractor is to have a competent English-speaking superintendent/foreman on site at all times, who has a thorough knowledge of the project including shop drawings and approved product data and also has the authority to make decisions for his company while work related to this contract is in progress. Construction Manager reserves the right to charge for its Superintendent/PM/Foreman cost to provide supervision and expertise for Subcontractor's work force

b. Construction Manager reserves the right to request a Superintendent/Foreman be removed from the project if deemed necessary for the project

c. Subcontractor shall notify Construction Manager in writing of any proposed replacement of its Superintendent/Foreman. Subcontractor shall not replace a competent Superintendent without prior written approval from Construction Manager. The requirements contained in this Article shall apply to any proposed replacement Superintendent, regardless if the proposed tenure is to be temporary or permanent

d. Subcontractor's superintendent/foreman shall have a cellular service enabled iPad with iOS 10.2.1 or later and equipped with a durable LifeProof protective case or equivalent. The iPad shall have at least the latest version of the Procore Construction Management Software application installed in order to have all live documents, drawings, submittals, etc. in hand and immediately accessible

e. Subcontractor's superintendent and sub-subcontractor's superintendent shall be equipped with a cellular communications device at all times enabling constant communication with BCC management. Details regarding phone numbers are required to be provided on subcontractors information form as part of your contract documentation/execution process

f. Subcontractor shall provide all required on-site field measurements for its bid package and has included said cost in its base bid

g. Subcontractor shall provide all engineering, coordination and layout for its work. Coordination with other trades is specifically included. Construction Manager will furnish (2) survey control benchmarks for trade use. Notify Construction Manager immediately of any discrepancies from benchmarks and work in place

10. SCHEDULE DELIVERY REQUIREMENTS

a. Subcontractor is responsible for all materials and equipment transportation and delivery cost for its scope of work:
   i. There is no guaranteed laydown and storage area at the site
   ii. There is no guaranteed storage on-site
   iii. Delivery of materials and equipment shall be of sufficient frequency to meet production requirements
   iv. Coordinate with Construction Manager for access to any area on site to include interim staging requirements
   v. Unless otherwise agreed to by Construction Manager, Subcontractor shall keep no more than **15 days** material on-site at any given time

b. Laydown areas, when provided to the project, are for use solely as directed and approved by Construction Manager:
   i. Stored materials will only be allowed on-site with **PRIOR** approval by Construction Manager
   ii. Subcontractor shall be responsible for temporary protection, storage units, tarps, dunnage, stone paving, etc. in addition to all labor and equipment costs to unload, stage, handle, etc.

c. All deliveries must be scheduled with the Construction Manager's Project Superintendent at least forty-eight (48) hours in advance.
   i. Deliveries may be required during off-hours
   ii. Deliveries that arrive outside of work hours, without prior approval, or without proper notification will be returned to shipper at Subcontractor's expense. Any cost for redelivery or delay to the project will be borne by Subcontractor

d. Construction Manager will not receive, sign-for, accept or be responsible for materials delivered to the site or field office.

e. Subcontractor shall include in its base bid all costs to receive, unload, stage, store, handle, transport, etc. all material and equipment for its work

f. Subcontractor shall include in its base bid all off-site and phased storage as may be required

g. Subcontractor shall include in its base bid all costs to receive, unload, protect, stage, handle, transport, full care and custody, installation, coordination, warranty obligations, etc. of all assigned pre-purchase materials and equipment

11. DAILY & WEEKLY REPORTS

a. The Subcontractor Daily Report / Manpower Summary (attached hereto as Exhibit H) must be uploaded to Procore **no later than 9 a.m. the following day**. Subcontractor must submit a complete report for each day worked at the project site in order to receive a progress payment for that month.

b. When days of “no work on-site” occur, submit a report stating such

12. PROJECT MEETINGS

a. Subcontractor’s Project Manager and Superintendent must attend all weekly jobsite Subcontractor Coordination Meetings and Monthly Progress Meetings

b. Attendance is mandatory while working on-site and must start a minimum of (2) weeks prior to beginning work on-site. Failure to attend these meetings may result in withholding of progress payments.

c. The purpose of the meeting will be to discuss the following items:

1. Safety
2. Quality
3. Schedule
    a. Review Critical Path Activities
    b. Review Superintendent 3-week Look Ahead Schedule
    c. Review status of previous “mini” milestone dates
    d. Establish “mini” milestone dates
    e. Review manpower/work force
    f. Review equipment & material deliveries
4. RFI status
5. Coordination issues
6. Pending Change issues

13. QUALITY REQUIREMENTS

a. Pre-installation Meeting:

i. Subcontractor shall participate in a pre-install meeting for all items as scheduled by Construction Manager

ii. Pre-install Conference shall include Subcontractor’s superintendent that will be on the project, its Project Manager and any other relevant lower-tier subcontractors

iii. Participation in other trade Pre-install Conferences as required

b. Subcontractor shall participate in mockup requirements as detailed on Contract Documents and as stated in individual bid packages

c. Where quality-control services are indicated as Owner's responsibility, Owner will engage a qualified testing agency to perform these services. Subcontractor shall be responsible for costs associated with re-testing and re-inspecting construction that replaces or is necessitated by work that failed to comply with the Contract Documents. Said costs will be charged to Subcontractor and its subcontract sum adjusted by Change Order. Reference Quality Requirements Section 014000 for testing and quality requirements

d. Subcontractor shall include all costs for testing and quality requirements as outlined within the Contract Documents to demonstrate compliance; costs for re-testing shall be borne by Subcontractor

e. Subcontractor shall anticipate inspection delays in the installation durations and sequence such work ahead of others as not to impose delays in the schedule. This shall be construed for DOL, DOI, DHSR, Engineer, Fire Marshal, Owner, CM,

Commissioning Agent, etc. While Construction Manager will endeavor to combine inspections where possible, Subcontractor acknowledges that separate inspections will be required to verify the completion of systems included in this bid scope (Sprinkler flow tests, communication with fire alarm, etc.). Subcontractor will have a competent person on-site for each trade being tested as follows:

i. Subcontractor/trade inspections
ii. Subcontractor/trade Pre-check testing
iii. Construction Manager at Risk inspection
iv. Engineer/Designer inspection
v. Local Fire Marshal inspection
vi. Local Building Inspector inspection
vii. Pre-Testing of systems
viii. Commissioning of systems
ix. DHSR Initial inspection
x. DHSR back-check

14. SUBMITTALS

a. Furnish physical samples for all material or color selection samples as indicated in contract documents and specifications. All color selections shall be submitted within 21 days of NTP

b. All submittals shall be submitted electronically via Procore to Construction Manager:
   i. Do not submit directly to Architect/Engineer
   ii. Do not send material samples, submittals, shop drawings, etc. to the job site unless approved by Construction Manager
   iii. All Submittals will be returned to Subcontractor via Procore

c. Submit (1) hard copy of any large format shop drawings (steel, anchor bolt, reinforcing, sprinkler, etc.) for review. After receipt of approved shop drawings, submit three (3) copies of any large format marked as "field and file use"

d. Access to Procore will be provided to Subcontractor and all contacts listed on Subcontractor/Supplier Information Sheet (Exhibit I)
   Contact Matt Miller matt.m@bordeauxconstruction.com if you have problems accessing Procore or if you need to request additional logins

e. All submittals shall be submitted with the submittal coversheet provided in the bid manual. This form is available electronically on Procore. Subcontractor shall indicate the submittal number from the submittal schedule provided by Construction Manager. Submittals that are missing the coversheet or have not been reviewed by Subcontractor will be returned "Not Reviewed" by Construction Manager. Subcontractor shall factor in manufacturer lead times and allow a minimum of 14 days for submittal review.

f. Unless otherwise specified, submit all product data within 30 days of NTP. Submit all engineered shop drawings within 60 days of NTP.

15. SCHEDULE

a. The project duration including all necessary mobilization, work, inspections and punch list is established as **8 months (240 calendar days)**.

b. A bid schedule has been included in the bid documents for Subcontractor's use in preparation of its bid. Subcontractor acknowledges that this bid schedule may be modified to include subcontractor input.

c. Construction Manager will prepare a Master Baseline Construction Schedule establishing the sequence and duration of Work activities and will consider Subcontractor's input in developing the schedule. Subcontractor should include in its bid proposal a minimum of Forty (40) man hours of time for its superintendent and project manager to meet with Construction Manager to complete the Master Baseline Construction Schedule.

d. Subcontractor acknowledges that as construction progresses it may be necessary for Construction Manager to change the sequential order and duration of the various activities to account for unanticipated delays, occurrences and other factors which act to alter Construction Manager's original schedule. Construction Manager may require Subcontractor, at no additional cost to the project, to sequence Subcontractor's Work in such a way that the progress of other subcontractors and the Project schedule reasonably dictate.

e. Subcontractor acknowledges, understands and agrees that the scheduling and sequencing of the Work is an exclusive right of Construction Manager and that Construction Manager reserves such right to reasonably reschedule and resequence Subcontractor's Work from time to time as the demands of the Project require without any additional cost or expense to be paid to Subcontractor

f. Subcontractor acknowledges and agrees that Construction Manager owns the float to the Project. If Construction Manager desires to make a change to the schedule and as a result moves the Early Start date, Subcontractor shall comply with the request.

g. Time limitations set forth in the general provision with Owner will be shortened as necessary to provide time for Construction Manager to meet its obligations

16. WORK HOURS

a. Work hours for this project will be as required and otherwise adjusted by Construction Manager to meet Owner requirements and complete the project.

Minimum work hours are: Monday – Thursday 7am-5pm
Friday 7am-1pm

b. Subcontractor agrees to furnish adequate manpower to meet schedule included in the bid documents. It is agreed that Subcontractor will utilize weekday overtime, additional shifts, and/or weekends, as necessary to maintain the project schedule at no additional cost to the Project. Subcontractor shall not utilize overtime and weekend work in lieu of providing adequate manpower through the normal work week

c. Subcontractor shall work Saturdays, Sundays, extended hours, additional crews, weekends, etc. following lost work days when its work forces could not perform a **full** day's work (regardless of cause) at no additional cost to the project

d. Subcontractor may be required to supplement its work force with additional man power/multiple crews working simultaneously, as directed by Construction Manager, in order to meet the Construction Schedule

e. Subcontractors with weather sensitive activities (Site work, masonry, concrete, roof, etc.) shall make up lost time utilizing Saturdays, Sundays, extended hours, additional crews, etc.

f. Trades with masonry rough-in requirements shall keep sufficient crews on-site to provide rough-in, sleeves, blockouts, boxes, etc. as masonry progresses. Mason will not be responsible for installing MEP work. Trades will be required to be on-site with mason, regardless of hours previously worked for the week. All overtime cost is included in the base bid amount

g. Subcontractor shall not utilize a four-day work week ("4x10s")

h. Subcontractor should anticipate and expect to work its crews extended hours, Saturdays and/or Sundays as necessary to make-up for any lost time due to delays to include, but not limited to, insufficient crew(s) or size(s), insufficient supervision or planning, material delays, productivity loss, inclement weather to include excessively hot or cold temperatures, inspection delays, etc. that may have adversely impacted its work or the Construction Schedule. Any work deemed by Construction Manager that must be carried out as make-up work will not be considered a reimbursable cost or cost to the project

17. LIQUIDATED DAMAGES

a. Liquidated Damages for this project are **$1,000.00** as Substantial Completion Liquidated Damages for each consecutive calendar day beyond the date of established substantial completion and **$500.00** as Final Completion Liquidated Damages for each consecutive calendar day beyond the date of established final completion. In addition to the foregoing liquidated damages, Construction Manager and Owner may recover utility charges as expressly set forth elsewhere in the Contract Documents. The amount of Liquidated Damages set forth herein above shall not include additional legal or design professional costs that may result from the Subcontractor default. If such legal or design professional costs are incurred by Owner, Subcontractor shall be liable to Owner for those costs in addition to the Liquidated Damages amount set forth herein

18. PAYMENT

a. A signed copy of Subcontract Agreement, Schedule of Values, list of all vendors, suppliers and subcontractors (2^{nd}, 3^{rd}, 4^{th} tier contractors), insurance certificate, sales tax reporting form, HUB forms and bonds (as required) will be required prior to processing first pay application

b. Subcontractor shall include cost for all applicable North Carolina and County sales tax in its base bid amount, regardless of origin of material or fabrication

c. Sales tax reporting forms shall be submitted monthly with each pay application. For any materials furnished from "stock" or surplus, a value for the material supplied and associated sales tax should be reported

d. Original monthly billings are to be received in our office by the **15th** of the month, with work projected through the 20th of the same month. **Do not project billing to the end of the month.** No faxed or emailed copies will be accepted

e. E-mailed "pencil" copies are encouraged and will be accepted for billing purposes. However, an original copy is required to receive payment. E-mailed copies may be emailed to accounting@bordeauxconstruction.com

f. BCC reserves the right to require Joint Check Agreements. A fee of $50.00 may be charged to the Subcontractor for each joint check issued

g. Retainage on the project will be **Five percent (5%)**

h. At the discretion of the Construction Manager, reduction in retainage may be considered provided the following conditions are met:

   i. Owner has agreed to and paid for the reduction of retainage to the Construction Manager

   ii. Subcontractor is on-schedule and without major outstanding delivery, installation or similar concerns

   iii. Subcontractor is beyond 50% complete by contract amount

   iv. For the purpose of a reduction in retainage, stored materials shall not constitute more than 20% completion of a contract

19. SCHEDULE OF VALUES

a. Schedule of Values is required within ten (10) business days of Notice to Proceed

b. Schedule of Values must be separated into values for both labor and material

c. Subcontractor agrees to modify Schedule of Values to conform to Construction Manager Schedule of Values, if requested

d. If a line item is included for mobilization, a line item of equal value must be included for de-mobilization

e. Schedule of Values must include a line item "Closeout Documents" valued at 2.5% of base contract

f. Schedule of Values must include a line item "Composite Clean-up"

20. STORED MATERIALS

a. Payment for stored material will only be allowed for materials onsite unless strictly meeting the following conditions for off-site storage:

   i. Subcontractor must request in writing and gain approval of Construction Manager, Owner and Architect prior to requesting payment for stored materials off-site. Request shall be made no later than the last day of the month preceding the pay application request

   ii. Requests must document a valid reason for requesting payment for stored materials off-site. Convenience and favorable payment terms are not valid reasons

   iii. Photos of each item being requested are included in the request

iv. Proof of insurance in a bonded warehouse and proof of insurance for delivery is included in the request
v. Allow adequate time for inspection of stored materials by Construction Manager, Architect, Architect Consultants and/or Owner, as required
vi. For stored materials out of state, arrange for travel for Construction Manager, Architect, Architect Consultants and/or Owner as required. Travel-related costs shall be borne by Subcontractor at no cost to project
vii. Incomplete requests or requests received after the 1st of the month will not be considered in that month's pay request

b. Construction Manager, Owner and Architect reserve the right to deny any and all requests for stored materials off-site, for any reason. No compensation for denial of request will be considered

21. SITE LOGISTICS

a. A Site Logistics Plan has been provided in the bid manual. Subcontractor agrees to perform work in accordance with the Site Logistics Plan. Any additional access, laydown, staging, crane supports, etc. shall be provided by Subcontractor at no additional expense to the project

b. Subcontractor is responsible for all of its parking, delivery and transportation costs to the jobsite:
i. There is no guaranteed parking space available at the site
ii. There is no guaranteed laydown and storage area at the site
iii. There is no guaranteed storage at the site
iv. Coordinate with Construction Manager's Project Superintendent for access to any area on site to include interim needs
v. Refer to **Section 10--Schedule Delivery Requirements** for additional requirements
vi. Should parking requirements exceed allowable parking available on-site or during paving operations, Subcontractor is responsible for parking and transportation from remote parking to the jobsite. Subcontractor is responsible for all costs associated with remote parking

c. Subcontractor shall provide all traffic control necessary when its work impedes pedestrian and vehicular traffic both inside and outside the jobsite boundaries

d. Subcontractor shall obtain all permits required by state and local jurisdictions for work in or encroachment of public streets and rights-of-way

e. Subcontractor signs **shall not** be posted without the written approval from BCC

f. A concrete washout location will be provided for subcontractor use during concrete placement and grouting operations. All subcontractors utilizing the washout area are responsible for use and maintenance of the washout area

g. Subcontractor is responsible for immediate cleaning of streets, roads and parking areas where dirt, mud & debris have been deposited as result of its workers, suppliers, deliveries, etc.

h. Subcontractor shall provide all traffic control, flagging, signage, truck spotters & ground guides, lighted barriers, safety signage, wayfinding signage, cones, etc. as required to provide safe separation of personnel and vehicles from its work areas

i. Egress requirements for Public and Owner shall be maintained throughout construction

j. Eating and drinking may be prohibited in certain areas designated by Owner or Construction Manager. Prohibitions of these activities shall be at CM's sole discretion and may be imposed at any time without prior notice

22. COOPERATION AND COORDINATION

a. Subcontractor shall afford Owner and separate contractor's reasonable opportunity for introduction and storage of their materials and equipment and performance of their activities and shall connect and coordinate Subcontractor's construction and operations with them as required by the Contract Documents.

b. If part of Subcontractor's Work depends for proper execution or results upon construction or operations by Owner or a separate contractor, Subcontractor shall, prior to proceeding with that portion of the Work, promptly report to Construction Manager apparent discrepancies or defects in such other construction that would render it unsuitable for such proper execution and results. Failure of Subcontractor to report shall constitute an acknowledgment that Owner's or separate contractor's completed or partially completed construction is acceptable to receive Subcontractor's Work.

c. Subcontractor shall coordinate its work with all above ceiling work including, but not limited to, mechanical, plumbing, electrical, security, fire alarm and fire suppression

23. SAFETY

a. Subcontractor shall be responsible for participation in a Site Safety Orientation program prior to beginning work. Schedule with CM Project Superintendent

b. Jobsite attire requirement will be strictly enforced with all trades. Minimum attire shall include reflective vest or shirts, hard hat, safety glasses, T-shirt (no cut off shirts allowed), hard-soled safety-toed boots (above ankle, C75/I75 rated) and long pants

c. Subcontractor is required to hold Weekly Toolbox Talks and provide meeting minutes and sign-in sheet to Construction Manager

d. Subcontractor is required to attend Weekly Safety Meeting conducted by Construction Manager

e. Subcontractor is required to conduct a Weekly Safety Audit and provide documentation to Construction Manager

f. Construction Manager participates in voluntary scheduled OSHA Consultative visits. Subcontractor agrees to resolve all items that may arise from OSHA consultative visit within specified time frame. Subcontractor also agrees to document all required responses in writing to Construction Manager no later than 10 days prior to Subcontractor's required response to OSHA.

g. If Subcontractor provides scaffolding to complete work, a trained competent person shall be provided by Subcontractor and must be present on-site full-time. Competent Person shall inspect all scaffolding daily and record the findings on a daily basis. Each scaffold system must bear either a green tag to allow access or

a red tag to restrict access. Tag shall be dated and initialed with a minimum inspection frequency of once daily. Separate sections of scaffold shall be treated as individual scaffold systems. Under no circumstance will a scaffold system be used without these requirements being met.

h. If Subcontractor conducts excavation work, a trained competent person shall be provided by Subcontractor and must be present on-site full-time.

i. If Subcontractor operates heavy equipment to complete its work, a trained competent person shall be provided by Subcontractor and must be present on-site full-time

j. All heavy equipment, lifts, skid steers, lulls, mini-excavators, etc. shall have a fire extinguisher (2.5# minimum size), functioning alarms and operator's manual; Operators must provide proof of training.

k. GFCI pigtails/devices shall be used at all times

l. Extension power cords shall be minimum 3-wire, 14A (12 ga.) conductors, rated for hard/extra hard service printed on cord; inspect cords daily, remove & tag non-compliance cords from service; all cords outside 12' of work area to be suspended from J-hooks, hanger trees and other supports to avoid becoming a trip hazard

m. All energy sources (process piping, electrical, water, site water, gases, etc.) shall be locked out and tagged out (LOTO) prior to start of any work activity; coordinate with Construction Manager

n. All hangers used to suspend light fixtures for use as temporary lighting shall be inspected weekly; document inspections to Construction Manager

o. In accordance with the provisions of the Federal OSHA Hazard Communication Standard 29CFR-1926.59 and 29CFR-1910.1200, Subcontractor, its vendors and suppliers, must submit a "Safety Data Sheet" for each product which will be delivered to or used on the jobsite. The SDS must be received by Construction Manager prior to delivery of the product(s) at the jobsite. Further, Subcontractor shall strictly comply with and require the same strict compliance by its employees, subcontractors and suppliers with all federal, state, and local laws, rules, ordinances and/or regulations governing the acquisition, possession, storage and disposal of hazardous materials of any nature utilized, produced or that are a by-product of the performance of this Agreement, and shall hold BCC and Owner harmless from any and all associated costs and claims related to their use.

p. Subcontractor is responsible for replacement of any safety handrail immediately following completion of its work or loading/unloading operation as applicable. Subcontractor's work force shall be tied-off with appropriate fall protection measures when working in loading zones while handrail is down. Construction Manager reserves the right to back-charge Subcontractor for the cost to replace handrail/safety cabling whenever Subcontractor fails to properly restore said safety measures immediately after completion of its work activities in the area.

q. Subcontractor is responsible for daily inspection of all tools, drop cords, ladders, scaffolding, etc. Construction Manager may remove from the project or dispose of any tools, equipment, drop cords, ladders, etc. found to not meet safety requirements.

r. All ladders shall be Heavy Duty and capable of supporting a minimum of 300 pounds or more as required for job duty being performed. Ladders shall have weight rating clearly indicated

s. Subcontractor shall utilize a fire watch at all times when "hot work" is ongoing to include cutting, welding, soldering, etc.

t. Subcontractor is responsible for obtaining necessary work permits required by Owner and/or Construction Manager to include, but not limited to excavation, confined space, hot work, utility outages, etc. Coordinate with Construction Manager in advance of need.

u. Responsible Subcontractor shall bear the cost of any "false alarms" regarding Police, Fire and EMS services

24. DAILY CLEANUP

a. Daily clean-up of all work areas will be strictly enforced. Subcontractor shall perform clean-up and trash removal on a daily basis. All debris generated by Subcontractor shall be removed to a central site container as directed by Construction Manager. Failure to comply with the daily clean-up requirement will result in Construction Manager supplementing Subcontractor with temporary labor to conduct required clean-up at Subcontractor's expense; a deductive change adjustment to the Subcontract Agreement will be issued

b. Subcontractor is required to receive and return any returnable pallets or shipping containers to its suppliers

c. Subcontractors conducting activities which generate debris on roadways are responsible for immediate sweeping and cleaning, but no less than daily cleaning

25. COMPOSITE CLEANUP

a. Subcontractor shall participate in composite clean-up crew while working on-site

b. Composite Clean-up is a requirement for all subcontractors and is included in each bid package. Material-only Bid Packages are not required to participate in the Composite Clean-up requirement.

c. Composite Clean-up is in addition to daily Subcontractor Clean-up requirements

d. Composite clean-up shall take place no less than weekly at time and date as scheduled by Construction Manager

e. Subcontractor shall include a minimum of One (1) Man-Day (Eight Hours) per Ten (10) people working on site for its participation. Minimum participation is One (1) Man-day, regardless of crew size on site. Include additional manpower in composite clean-up crew at a rate of 1 Man-Day per every 400 man hours worked

f. The composite clean-up crew is understood to be a general labor-type employee and shall work at Construction Manager's direction performing tasks as CM sees fit. Tasks may not be limited to clean-up and may consist of other general work duties (general trash removal, sweeping, vacuuming, emptying trash cans, cleaning parking lots, laydown areas & lunch zones, demobilization of site, removal of rain water, mud, snow, etc., clean-up floors, etc.), both interior and exterior, regardless of work area, as directed by Construction Manager

g. Subcontractor shall document composite clean-up crew participation in writing to Construction Manager. Any time not utilized shall be credited back to Construction Manager at the hourly laborer rate included in the Subcontract Agreement

26. PROTECTION

a. Where work is conducted above or adjacent to existing construction, Subcontractor must protect the existing construction, as necessary

b. Concrete floor slabs are considered finished floors and are to be protected from damage during construction. Heavy equipment including forklifts, lulls, etc. will not be permitted on slabs. Wheeled lifts, scaffolding, pallet jacks, etc. will only be permitted on the slab with the approval of Construction Manager

c. No work shall be performed on slabs that may detrimentally affect the finish or function of the finished floor. This includes, but not limited to pipe threading, painting, welding, painting, cleanup, etc. Provide protection or relocate operation to an alternate location as directed by Construction Manager

d. Subcontractor shall endeavor to protect other trades work. Damage caused by a subcontractor shall be repaired at the offending subcontractor's expense by deductive change order to the contract sum

e. Protection will be provided for finished surfaces, concrete slab on grade, and other areas as required. Subcontractors working over floor protection are required to maintain the floor protection. Any protection damaged or removed as a result of Subcontractor's work shall be replaced at no additional expense to the Project

f. All trades working on finished roof must check in with Construction Manager prior to beginning work each day. Roof should be swept down daily. Any roof damage will be assessed to subcontractor(s) working on the roof at that period

g. Subcontractor is responsible for insuring all tools, equipment, and formwork materials and assemblies stored or installed on-site from damage, theft, fire, etc.

h. There are no planned security measures being provided at the site for this project

i. Protect asphalt pavements and concrete walks, curbs, pads and pavements from damage associated with off-loading materials and equipment, interim staging and lifting/crane work

j. Staged materials shall be placed on dunnage and mats as required

27. CONCEALED OR UNKNOWN CONDITIONS

a. If Subcontractor encounters conditions at the site that are (1) subsurface or otherwise concealed physical conditions that differ materially from those indicated in the Contract Documents or (2) unknown physical conditions of an unusual nature, that differ materially from those ordinarily found to exist and generally recognized as inherent in construction activities of the character provided for in the Contract Documents, Subcontractor shall promptly provide notice to Construction Manager before conditions are disturbed and in no event later than 21 days after first observance of the conditions. Construction Manager

will promptly investigate such conditions and, if determined they differ materially and cause an increase or decrease in Subcontractor's cost of, or time required for, or performance of any part of the Work, will recommend an equitable adjustment in the Contract Sum or Contract Time, or both. If Construction Manager determines the conditions at the site are not materially different from those indicated in the Contract Documents and that no change in the terms of the Contract is justified, Construction Manager shall promptly notify Subcontractor in writing, stating the reasons.

b. If, in the course of the Work, Subcontractor encounters human remains or recognizes the existence of burial markers, archaeological sites or wetlands not indicated in the Contract Documents, Subcontractor shall immediately suspend any operations that would affect them and shall notify Construction Manager. Upon receipt of such notice, Owner shall promptly take any action necessary to obtain governmental authorization required to resume the operations. Subcontractor shall continue to suspend such operations until otherwise instructed by Owner but shall continue with all other operations that do not affect those remains or features.

28. UNDERGROUND UTILITIES

a. Subcontractor shall comply with underground location requirements as required by law:
   i. Call “NC One Call” at 1-800-632-4949
   ii. Provide documentation and ticket numbers to Construction Manager prior to commencement of work
   iii. All existing utilities shall be exposed and identified as to type, size and elevation prior to commencement of excavation for the work. Cost of adjustments resulting from failure to expose utilities will be borne by Subcontractor at no cost to the project
   iv. Maintain minimum clearances between utilities; notify Construction Manager of any conflicts

b. Excavation Plans are required for review by Construction Manager prior to commencement of work:
   i. Advance planning is required to avoid delays
   ii. Allow a minimum of ten (10) working days for review

c. Subcontractor should include cost for location of any private utilities that are not covered under “NC One Call”

d. Should charted, uncharted or incorrectly charted utilities be encountered, contact Construction Manager immediately for instructions. Cooperate with Owner and utility companies to keep services and facilities in operation

e. Subcontractor shall be responsible for all replacement costs for damaged utilities, whether shown or not on the contract documents

29. CUTTING AND PATCHING

a. Subcontractor shall be responsible for cutting, fitting or patching required to complete the Work or to make its parts fit together properly. All areas requiring

cutting, fitting and patching shall be restored to the condition existing prior to the cutting, fitting and patching, unless otherwise required by the Contract Documents.

b. Subcontractor shall not damage or endanger a portion of the Work or fully or partially completed construction of the Owner or separate contractors by cutting, patching or otherwise altering such construction or by excavation. Subcontractor shall not cut or otherwise alter such construction by Owner or a separate contractor except with written consent of Owner and of such separate contractor; such consent shall not be unreasonably withheld. Subcontractor shall not unreasonably withhold from Owner or a separate contractor Subcontractor's consent to cutting or otherwise altering the Work

c. Subcontractor shall restore all walls, floors & ceilings penetrated by its work; fire caulk and seal as required

d. Subcontractor shall restore all fire retardant materials damaged during installation of its work

30. LICENSING, PERMITS AND FEES

a. Unless otherwise provided in the Contract Documents, Subcontractor shall secure and pay for trade specific portions of the building permit (HVAC, Plumbing, Electrical, Sprinkler, Refrigeration, etc.), licenses and inspections by government agencies necessary for proper execution and completion of the Work that are customarily secured after execution of the Subcontract Agreement and legally required at the time bids are received or negotiations are concluded

b. The general building permit will be paid for by Construction Manager

c. Any fees assessed by entities for providing permanent utilities to the Project shall be paid directly to the utility entity by Owner. These include “tap fees” and “electrical connection and service fee”. Subcontractor shall coordinate the permanent utilities and entity’s related work to comply with the construction schedule

d. Any fees assed by utility entity for providing temporary utilities to the Project for use by Subcontractor during construction of the project (Consumption fee) shall be paid for by Construction Manager

e. Subcontractor agrees to comply with all regulatory requirements as indicated in Subcontract Agreement and Exhibits to the Subcontract Agreement including, but not limited to: E-verify, USDA requirements, non-discrimination requirements, etc. BCC reserves the right to terminate the Subcontract Agreement for non-compliance

31. NOTICES AND COMPLIANCE WITH LAWS

a. Subcontractor shall comply with and give notices required by applicable laws, statutes, ordinances, codes, rules and regulations, and lawful orders of public authorities applicable to performance of the Work

b. During the performance of this contract, Subcontractor agrees as follows:

   i. Subcontractor will not discriminate against any employee or applicant for employment because of race, religion, color, sex, or national origin, except

where religion, sex or national origin is a bona fide occupational qualification reasonably necessary to the normal operation of Subcontractor. Subcontractor agrees to post in conspicuous places, available to employees and applicants for employment, notices setting forth the provisions of this non-discrimination clause

ii. Subcontractor, in all solicitations or advertisements for employees placed by or on behalf of Subcontractor, will state that Subcontractor is an equal opportunity employer

iii. Notices, advertisements and solicitations placed in accordance with federal law, rule, or regulation shall be deemed sufficient for the purpose of meeting requirements of this section

iv. Subcontractor does not and shall not during the performance of this Contract, knowingly employ an unauthorized alien as defined in the Federal Immigration Reform and Control Act of 1986.

v. Subcontractor hereby represents it is organized as a stock or non-stock corporation, limited liability company, business trust, or limited partnership or registered as a registered limited liability partnership and is authorized to transact business in the State of North Carolina as a domestic or foreign business entity if so required by Title 13.3 or Title 50 or as otherwise required by law.

vi. Subcontractor will include the provisions of the foregoing in every subcontract or purchase order of over ten thousand dollars ($10,000) so that these provisions will be binding upon each subcontractor or vendor

vii. Include other requirements as required in Bid Manual, Bid Form or Subcontract Agreement

32. BEHAVIOR

a. Subcontractor and all its Sub-subcontractors, agents and employees shall act in a professional manner at all times while working on this project. Construction Manager will strictly enforce this NO TOLERANCE Behavior policy and reserves the right to remove violators from the jobsite without previous warning(s)

b. Subcontractor's employees or workers who engage in horseplay, fistfights, unsafe acts, whistling, yelling at the public, obscene gestures or foul language will be removed from the project site

c. Weapons of all types including firearms are strictly forbidden on the project site

d. Cell phones and personal radios, music devices (iPods, cell phones, MP3, etc.), boom boxes, etc. or any music is strictly prohibited on-site

i. Cell phone usage shall be limited to <u>supervisors only</u>

ii. CM will enforce this No Tolerance Policy and reserves right to remove violators from the jobsite without previous warning

e. Tobacco (smoking and chewing) and electronic smoking (e-cigarettes) are prohibited on this project site.

f. No food or drink is allowed within the building unless approved by Construction Manager:

i. A break area may be established by Construction Manager; its continued use or elimination shall be at sole discretion of Construction Manager and may be so imposed at any time without prior notice
    1. First infraction of this clause will result in a verbal warning
    2. Second, a written warning
    3. Third, removal from the project
ii. Continued infractions by Subcontractor can be considered grounds for termination in accordance with its Subcontract Agreement

g. Subcontractor's employees who report for work under the influence of intoxicants or narcotics or consumption of them during the workday will be removed from the project site immediately and permanently

h. Visitors and workers shall not possess or carry, whether openly or concealed, regardless of legal permit, any weapon or explosive on any property owned by Owner. This includes firearms locked in containers, vehicles or firearm racks within vehicles

33. CLOSEOUT REQUIREMENTS

a. Closeout documents (including attic stock, O&M Manuals, as-built drawings, sample warranties, and all other closeout requirements) shall be provided no later than 12 weeks prior to substantial completion or 75% completion of contract amount, whichever comes first. Construction Manager reserves its right to request said documents earlier than indicated above.

b. Furnish all required testing and demonstration requirements as specified. Furnish agenda prior to testing and demonstration. A sign-in sheet with specification section, date, etc. is to be provided to document completion of this requirement

c. Receipt of closeout documents will be a condition precedent to processing payment beyond 75% completion. For warranties, submit a sample warranty with closeout documents, such that the only item that would be required to modify would be the date of warranty start. Submit placeholders for any other closeout documents that are not available at 75% completion (test and balance for instance)

d. Subcontractor shall provide weekly updates to Construction Manager with accurate, as-built information relating to Subcontractor's own work
i. CM shall maintain (with input from Subcontractor) the architectural, structural, and civil drawings (and specifications) at the jobsite
ii. Electrical, plumbing, mechanical and fire protection documents shall be maintained by those subcontractors who are respectively responsible for those portions of the work.

e. Provide all warranties, testing, Owner Training, extra materials, special tools, keys, O&M information, etc. as required by Contract Documents

f. Unless otherwise specified, the date of Substantial Completion shall define the start date of any warranties, regardless of material purchase, delivery or install date. In the event a manufacturer does not comply with warranty periods, terms, or availability indicated in the specification, Subcontractor agrees to provide

specified warranties and/or cover time differences between manufacturer warranty and Substantial Completion

Updated 04/27/20

SECTION 4

THE COAST ACADEMY

SCOPE OF WORK BID PACKAGES

BP 01A – General Trades
BP 01B – Final Cleaning
BP 02B – Demolition
BP 03A – Building Concrete

BP 05A – Turnkey Steel

BP 07D – Caulk & Sealants
BP-08A – Storefront & Glazing
BP 08C – Doors & Hardware
BP 09A – Drywall
BP 09B – Hard Tile
BP 09C – Acoustical Ceilings
BP 09D – Resilient Flooring
BP-09F – Polished Concrete
BP 09G – Painting
BP 10A – Specialties
BP 10C – Signage
BP 12A – Window Treatments
BP 12B – Casework
BP 13B – Pre-Engineered Metal Building
BP 21A – Fire Protection
BP 22A – Plumbing
BP 23A – HVAC / Mechanical
BP 23B – Plumbing & HVAC (Combo)
BP 26A – Electrical
BP 31A – Turnkey Site

Subcontractor Scope of Work
Exhibit A

The Coast Academy
Job No. 1953

BP 01A - General Trades

This bid package is intended to be complementary to the Contract Documents including the Project Drawings, Specifications, Addendum, and Project Manual. Subcontractor acknowledges that the Subcontractor Specific Requirements are not intended to describe the complete and final work scope. Reference is made to the Specifications Sections, but is in no way intended to limit or alter the intent of the contract documents.

Subcontractor shall perform all work and shall furnish all layout, supervision, materials, labor, scaffolding, tools, equipment, supplies, services, rigging, craning and hoisting of all materials and equipment, temporary protection of own work, coordination of own work and interaction of work of others, home office and field administration, project management, scheduling, field supervision, engineering, quality control, safety, taxes, insurances, permits, punch list, closeouts and all other things necessary or reasonably incidental for the construction and completion of their work as portrayed in the enclosed enumerated contract documents and specification sections as referenced below:

SUBCONTRACTOR'S WORK SPECIFICALLY INCLUDES:

Bordeaux Bidding Requirements and Information 4/27/2020
Division 01 – General Requirements
All Related Sections/Requirements referenced within each Division and/or section

SUBCONTRACTOR SPECIFIC REQUIREMENTS:

1. BP-01 General Inclusion Items as applicable to complete Work
2. Complete installation of work in this bid scope in accordance with all local, state and federal (OSHA) safety regulations and/or requirements
3. Dispose of all trash to dumpster provided by Construction Manager
4. Complete general construction services as outlined in the construction documents and within this bid package
5. The following is a general outline of items specifically included, but not limited to work in this bid scope:
    I. Site Safety requirements
        i. Fall protection, opening protection, handrails, FEs, trip protection
    II. General Equipment requirements
        i. Power washer, brooms, shop vacs, lull/fork lift, trash carts, etc.
    III. General Trade requirements
        i. Labor for construction clean-up
        ii. Small tools & miscellaneous supplies

iii. Skilled Carpentry crew for General Carpentry requirements

IV. General Carpentry requirements
   i. Wood blocking; temporary partitions

V. Allowances

I. Site Safety Requirements

a. Furnish, install, maintain and remove temporary trip protection measures for all conduits, stub ups, etc.
   i. Trip protection shall be constructed of 2x4 framing, painted fluorescent orange and fastened to floor
   ii. Coordinate installation and removal with Construction Manager

b. Furnish, install, maintain and remove temporary opening covers for all floor openings (trench drains, floor drains, slab openings, etc.):
   i. Covers shall be constructed of plywood and fastened to surrounding slab
   ii. Paint covers fluorescent orange and label in English; also in Spanish, when possible
   iii. Coordinate installation and removal with Construction Manager

c. Maintain and remove column blockout covers, covers furnished under BP-03A Building Concrete

d. Maintain column blockout covers, covers furnished under BP-03A Building Concrete

e. Furnish, distribute and maintain new certified Type 2A fire extinguishers (FE) with inspection tags:
   i. Provide coverage per OSHA guidelines
   ii. Construct portable stands similar to the extension cord hangers
      1. Paint stand red for identification
   iii. Replace extinguishers when discharged
   iv. Inspect each FE weekly and document to Construction Manager
   v. Recertify all extinguishers yearly and document to Construction Manager
   vi. Deliver fire extinguishers when directed by Construction Manager
   vii. Coordinate location and removal of FEs with Construction Manager
   viii. Include Ten (10) extinguishers & stands in the base bid

f. Furnish, install and maintain J-hooks to carry extension cords along all corridors and within rooms for trade contractors' use during construction:
   i. J-hooks shall be installed at 8' AFF or as directed by Construction Manager
   ii. For estimating purposes, include Forty (40) 2" J-hooks in the base bid

g. Furnish, distribute and maintain wooden extension cord hangers throughout the construction area:
   i. Extension cord hanger shall consist of a 5 gallon bucket filled with concrete and an 8' 2x4 (or other rigid post) with "Y" shape framed top to support extension cords
   ii. Place cord hangers as directed by Construction Manager
   iii. Include Ten (10) cord hangers in the base bid

II. **General Equipment Requirements**

a. Provide and maintain a commercial grade pressure washer, 3000 psi minimum, for duration of the project to be used as directed by Construction Manager
b. Provide and maintain (service, fueling, etc.) one forklift/lull for use in material off-loading, handling, staging, etc. for the duration of the project to be used as directed by Construction Manager
    i. Minimum size is 6,000 pound capacity, 45-foot extension
    ii. Estimated duration is **four (4) months**
    iii. Include both forks and trash bucket
    iv. Forklift operator is in addition to the General Labor requirements outlined within this scope
    v. Provide fuel tank and fuel for use of forklift
        1. Fuel tank shall include spill containment enclosure and must meet all state, local and OSHA requirements
        2. Include and maintain fire extinguisher at fuel tank
c. Provide brooms, rakes, shovels, hoses, sweeping compounds, small tools, miscellaneous materials, etc. as necessary to complete work in this bid scope
d. Provide and maintain two (2) trash carts, Carlisle TT17503 Black 0.75 Cubic Yard Tilt Truck (825 lbs.) or equal for duration of this bid scope
    i. Carts are to be used for general trash collection and composite crew cleanup usage only
    ii. Subcontractor shall dump carts daily or as required
    iii. Deliver carts as directed by Construction Manager

III. **General Requirements**

a. Provide general labor (skilled and non-skilled) and materials to support project as directed by Construction Manager to include specified work within, daily clean-up, minor repair work, etc.
b. Provide small tools and miscellaneous materials to include extension cords & GFCI devices; saws, drills & bits, power tools; brooms, rakes, shovels & hoses; plywood & dimensional lumber; sweeping compounds; nails, screws, fasteners, anchors, caulk, sealants & adhesives; fuels; consumables, etc. as required to complete work in this bid scope
c. Provide all necessary and required PPE for its workers
d. Maintain a minimum crew size of two (2) carpenter/labor personnel to perform general cleaning as directed by Construction Manager:
    i. Crew shall be present at all times while construction activities are in progress
        1. Crew staffing may be staggered to ensure adequate manpower is available to meet needs of the project; coordinate with Construction Manager
        2. Provide additional staffing as required to maintain a clean job site
    ii. One of the carpenter/laborer personnel shall be considered a working foreman, capable of speaking Spanish and English.

1. Foreman shall have a cell phone furnished by Subcontractor for communication with Construction Manager

iii. Clean temporary construction office weekly and as directed by Construction Manager

iv. Provide additional staffing as required to meet the needs of project

e. Provide skilled labor, crew size as required, to perform scope of work items noted within in this bid package and as directed by Construction Manager:

i. Skilled Labor crew is in addition to and separate from the general cleaning crew noted above

ii. One of the carpenter/laborer personnel shall be considered a working foreman, capable of speaking Spanish and English.

1. Foreman shall have a cell phone furnished by Subcontractor for communication with Construction Manager

f. Construction Manager may request a worker, who demonstrates uncooperative actions, be removed from the project with a minimum 24 hour notice

g. Coordinate start of work with Construction Manager

IV. General Carpentry Requirements

a. Furnish & install all wood blocking in metal framed GWB partitions for installation of toilet accessories, toilet partitions, casework, FE cabinets, safety showers, etc. Coordinate with BP-10A Specialties for blocking placement.

b. Furnish & install temporary partitions at 1st floor exterior doors as directed by Construction Manager

i. Include installation of two (2) hollow metal doors and frames provided under BP-08C Doors & Hardware

ii. Remove openings as directed by Construction Manager

iii. Construct temporary partition using 2x4, exterior grade plywood and sheathing fabric/plastic

c. Furnish & install all wood nailers for wall openings in PEMB as required; coordinate with BP-13B PEMB and other respective trades

d. Furnish & install all in-wall wood nailers associated with plastic-laminated wall panels as required; coordinate with BP-12B Casework and BP-09A Drywall

V. Allowances

Include all allowances listed within this bid scope

Use of any allowance shall be as directed by Construction Manager and supported with sufficient documentation as required. Any work performed without prior written authorization will be considered as a requirement to complete the scope of work in this bid package and at no cost to the project

a. Include an **Allowance** for additional labor as directed by Construction Manager and based upon indicated Quantities and Unit Prices:

i. Additional manpower is defined as that which is required to supplement the daily manpower requirement specified within the bid package

ii. Include all requirements outlined within this bid package

iii. Include 50 hours for said work

6. **Site Access Requirements**

   Subcontractor must conduct a 50-state background check and e-verify compliance for all personnel associated with the project

   I. Submit completed Exhibit L—Lunsford Act & E-verify documentation to Construction Manager for Owner review and approval in advance of worker arriving on-site; same day approval **cannot** be granted.

   II. All personnel, while on-site, must wear a plastic laminated photo identification badge that identifies person's name and employer. Badges are to be computer produced with a font large enough to be clearly visible. The ID badge template will be made available to successful prime contractors. All costs associated with criminal background checks, e-verification and ID Badging are the responsibility of each Subcontractor.

   III. This a contractual requirement applicable to all personnel and all lower-tier subcontractors. Delivery drivers may be exempt with prior written approval from Construction Manager; submit request in advance.

   IV. Construction Manager and Owner reserve their right to deny any individual access to job-site for any reasonable condition

7. Furnish all ladders, lifts, shoring, scaffolding, etc. as required for this work
8. Furnish all supplemental lighting and power as required for this scope
9. Field measure of all work in this bid scope is included in this bid package
10. Include all necessary mobilizations, multiple crews and equipment, night and weekend shifts as required or directed by Construction Manager to complete the work
11. Protect all work under this scope from damage until accepted by Owner
12. Protect adjacent surfaces from damage by this scope of work
    I. Any damage to adjacent surfaces or work during execution of this scope shall be repaired or replaced by this Subcontractor at no additional cost to Construction Manager
    II. Repairs shall be finished to match existing or adjacent construction
    III. Patch and repair all building finishes, structural components or other appurtenances that are removed or damaged as a result of performance of this scope. Repair work shall include finishes, components, substructure and materials required for the installation of such work in accordance with standard practices and shall be finished to match existing or adjacent conditions.
13. Subcontractor is responsible for all corrective repairs resulting from its defective workmanship
14. All corrective and repair work shall be performed within 24-hours after notification and shall be accepted prior to payment issuance to Subcontractor for said work performed
15. OSHA Safety measures shall be required and implemented
16. Project planning, to include, but not limited to:
17. Participation in development of Master Construction Schedule
    I. Submit a Job Hazardous Analysis (JHA) for each definable feature of work in advance of work start

II. Participation by foreman and all workers in a Preparatory Meeting to review JHA, safety requirements, proposed work, approved submittals and other applicable construction documents prior to starting work

18. Inspect all substrates and conditions for suitability to receive work under this scope prior to starting work.
    I. Advise Construction Manager immediately in writing of any deficiencies or issues
    II. Commencement of work guarantees acceptance of conditions.
19. Provide all warranties, guarantees, extended service agreements, training, etc. as required
20. Provide all extra materials as required
21. Pricing is firm, not subject to escalation for duration of project

SPECIFIC EXCLUSIONS

1. Final Cleaning by BP-01B
2. Wood blocking for roof nailers by BP-07C

ALLOWANCES

#1	Additional labor	**50 hours**

UNIT PRICES

UP-01	Labor Rate	**$ / Hour**

ALTERNATES

Not Applicable

Subcontractor Scope of Work
Exhibit A

The Coast Academy
Job No. 1953

BP 01B - Final Cleaning

This bid package is intended to be complementary to the Contract Documents including the Project Drawings, Specifications, Addendum, and Project Manual. Subcontractor acknowledges that the Subcontractor Specific Requirements are not intended to describe the complete and final work scope. Reference is made to the Specifications Sections, but is in no way intended to limit or alter the intent of the contract documents.

Subcontractor shall perform all work and shall furnish all layout, supervision, materials, labor, scaffolding, tools, equipment, supplies, services, rigging, craning and hoisting of all materials and equipment, temporary protection of own work, coordination of own work and interaction of work of others, home office and field administration, project management, scheduling, field supervision, engineering, quality control, safety, taxes, insurances, punch list, closeout and all other things necessary or reasonably incidental for the construction and completion of their work as portrayed in the enclosed enumerated contract documents and specification sections as referenced below:

SUBCONTRACTOR'S WORK SPECIFICALLY INCLUDES:

Bordeaux Bidding Requirements and Information 4/27/2020

Division 01 – General Requirements
Divisions 03 thru 28 (as applicable to this scope)

All Related Sections/Requirements referenced within each Division and/or section

SUBCONTRACTOR SPECIFIC REQUIREMENTS:

1. BP-01 General Inclusion Items as applicable to complete Work
2. Complete installation of work in this bid scope in accordance with all local, state and federal (OSHA) safety regulations and/or requirements
3. Dispose of all trash to dumpster provided by Construction Manager
4. Complete construction and final cleaning services as outlined in the construction documents and within this bid package
5. The following is a general outline of items specifically included, but not limited to, in this bid scope:
    a. Remove all shipping labels, manufacturers markings, protective films, etc. from all new furnishings and construction products
    b. Special care shall be taken for cleaning of all glazing (security & non-security)
        i. Participate in a pre-cleaning meeting and assign designated representatives for cleaning of all glazing

ii. **The use of razor blades or other sharp edged tools shall NOT be used**
iii. **Subcontractor shall be bear all costs associated with replacement of glazing damaged by its actions**

c. Subcontractor shall coordinate with subcontractors and vendors and utilize compatible cleaning products and methods with manufactured or prefinished products to prevent damage, warranty issues, etc. prior to starting work. Any damage caused by Subcontractor during execution of work in this bid scope shall be replaced/repaired by Subcontractor at no additional cost to Construction Manager
d. Cleaning cloths shall be replaced frequently to avoid damage to surfaces. Surface damages, although accidental through normal performance of this scope, shall be restored or replaced as required with said cost borne by this Subcontractor
e. Subcontractor shall clean all interior and exterior surfaces and spaces including, but not limited to:

Exterior:	Clean all windows, doors, OH doors, louvers, etc. Pressure wash site concrete
Flooring:	VCT – sweep, scrub, damp mop & two coats of wax LVT – sweep, scrub & damp mop Carpet/Carpet Tiles – vacuum Sealed & Polished concrete – sweep, scrub & mop Resinous /Epoxy—sweep, scrub & mop Hard tile – sweep, scrub & mop Remove all floor protection provided by others
Walls:	Dust and wipe down all walls Wipe down all rubber base Vacuum acoustical wall paneling Wipe down all stainless wall protection
Fixtures:	Dust, scrub, wipe down, polish and vacuum as required Includes, but not limited to: toilet accessories, furnishings and equipment, registers, grilles, signage, toilet partitions & screens, door hardware, window blinds, fire extinguishers and cabinets, marker boards, mirrors, expansion joints, lockers, evidence lockers
Glazing:	Prior to cleaning glass, review manufacturers recommended cleaning instructions for fire rated and polycarbonate glazing with Construction Manager. **Designate individuals for cleaning glass in writing.** Clean both interior and exterior faces of all glazing (security & non-security) **The use of razor blades or other sharp edged tools shall NOT be used**
Casework:	Dust, wipe down and vacuum cabinet interiors, drawers, interior and exterior sides, shelves, etc.

MEP: Dust and wipe down all exposed conduits, piping and ductwork, mechanical equipment, electrical gear, lights, etc.
Do not remove identification labels unless directed by Construction Manager
Scrub, clean and polish all stainless and porcelain toilets, sinks, water fountains, etc.

f. Allowances

Include all stated allowances outlined within this bid package

Use of any allowance shall be as directed by Construction Manager and supported with sufficient documentation as required. Any work performed without prior written authorization will be considered as a requirement to complete the scope of work in this bid package and at no cost to the project

i. Include an **Allowance** for additional cleaning services as directed by Construction Manager and based upon indicated Quantities and Unit Prices:
   1. Additional cleaning services is defined as services required in addition to those specified within the bid package
   2. Include all requirements outlined within this bid package
   3. **Include 50 hours for said work**

g. Site Access Requirements

Subcontractor must conduct a 50-state background check and e-verify compliance for all personnel associated with the project

i. Submit completed Exhibit L—Lunsford Act & E-verify documentation to Construction Manager for Owner review and approval in advance of worker arriving on-site; same day approval **cannot** be granted.
ii. All personnel, while on-site, must wear a plastic laminated photo identification badge that identifies person's name and employer. Badges are to be computer produced with a font large enough to be clearly visible. The ID badge template will be made available to successful prime contractors. All costs associated with criminal background checks, e-verification and ID Badging are the responsibility of each Subcontractor.
iii. This a contractual requirement applicable to all personnel and all lower-tier subcontractors. Delivery drivers may be exempt with prior written approval from Construction Manager; submit request in advance.
iv. Construction Manager and Owner reserve their right to deny any individual access to job-site for any reasonable condition

6. Subcontractor understands that this project will be completed by areas and in each area, this Subcontractor shall provide separate mobilizations to include:
   a. A general pre-clean prior to Construction Manager punch list preparation which includes general sweeping, removal of tags, and general wipe down of materials removing construction debris
   b. A general pre-clean prior to Architect / Engineer punch list preparation which includes general sweeping, removal of tags, and general wipe down of materials removing construction debris, waxing of VCT, Carpet cleaning

c. A final clean after completion of Construction Manager and Architect punch lists just prior to Final inspection and acceptance
d. Include necessary mobilizations, multiple crews, materials and equipment as needed to complete Scope of Work. General cleaning may be scheduled over night and weekend hours as directed by Construction Manager

7. Inspect all substrates and conditions for suitability to receive work under this scope prior to starting work
    a. Advise Construction Manager immediately in writing of any deficiencies or issues
    b. Commencement of work guarantees acceptance of conditions
8. Daily cleanup of debris caused by this work
9. Furnish all ladders, lifts, shoring, scaffolding, etc. as required for this work
10. Protect adjacent surfaces from damage by this scope of work
    a. Any damage to adjacent surfaces or work during execution of this scope shall be repaired or replaced by this Subcontractor at no additional cost to Construction Manager
    b. Repairs shall be finished to match existing or adjacent construction
    c. Patch and repair all building finishes, structural components or other appurtenances that are removed or damaged as a result of performance of this scope. Repair work shall include finishes, components, substructure and materials required for the installation of such work in accordance with standard practices and shall be finished to match existing or adjacent conditions.
    d. All corrective and repair work shall be performed within 24-hours after notification and shall be accepted prior to payment issuance to Subcontractor for said work performed
11. OSHA Safety measures shall be required and implemented
12. Pricing is firm, not subject to escalation for duration of project

SPECIFIC EXCLUSIONS

Not Applicable

ALLOWANCES

#1	Additional cleaning services	**50 hours**

UNIT PRICES

UP-01	Labor rate, composite	**$ / hour**

ALTERNATES

Not Applicable

Subcontractor Scope of Work
Exhibit A

The Coast Academy
Job No. 1953
Bid Package BP 02B - Demolition

This bid package is intended to be complementary to the Contract Documents including the Project Drawings, Specifications, Addendum and Project Manual. Subcontractor acknowledges that the Subcontractor Specific Requirements are not intended to describe the complete and final work scope. Reference is made to the Specifications Sections, but is in no way intended to limit or alter the intent of the contract documents.

Subcontractor shall perform all work and shall furnish all layout, supervision, materials, labor, scaffolding, tools, equipment, supplies, services, rigging, craning and hoisting of all materials and equipment, temporary protection of own work, coordination of own work and interaction of work of others, home office and field administration, project management, scheduling, field supervision, engineering, quality control, safety, taxes, insurances, punch list, closeout and all other things necessary or reasonably incidental for the construction and completion of its work as portrayed in the enclosed enumerated contract documents and specification sections as referenced below:

Subcontractor's work specifically includes:

Bordeaux Construction Bidding Requirements and Information 04/27/20

Division 01 – General Requirements
Division 02 – Existing Conditions
Section 024119 Selective Demolition

All related Sections/Requirements referenced within each Division and/or Section

Subcontractor Specific Requirements:

1. Payment and performance bond are not required for this bid scope
2. BP-01 General Inclusion items as applicable to complete Work
3. The on-site foreman or superintendent for this work scope shall have a cellular service enabled iPad with iOS 10.2.1 or later and equipped with a durable LifeProof protective case or equivalent. The iPad shall have the latest version of the Procore Construction Management Software application installed in order to have all live project documents, drawings, submittals, etc. in hand and immediately accessible.
4. Complete installation of work in this bid scope in accordance with all local, state and federal (OSHA) safety regulations and/or requirements
5. Complete interior demolition as outlined in the construction documents and within this scope package
6. Dispose of all trash and waste materials in dumpster provided by Construction Manager

7. The following is a general outline of the items specifically included, but not limited to, in this bid scope:
    a. Include all permits and fees as required to complete this scope of work
    b. Protect wood floor from damage caused by this work
    c. **Complete removal and return to Owner of the following**:
        i. All basketball goals, supports, mounting brackets, accessories, etc.
        ii. All acoustical wall panels
        iii. All wall padding
        iv. All pull-up bars
        v. All speakers
        vi. All banners and signage
        vii. All fire extinguishers
    d. **Complete removal & disposal of the following**:
        i. All resilient base
        ii. All obsolete room signage
        iii. All fire extinguisher cabinets
        iv. All mechanical ductwork socks
        v. Include removal all adhesives and anchors on walls
        vi. Include cutting flush all embedded anchors in walls
    e. Complete new Door C101B installation:
        i. Include temporary dust partitions
        ii. Include installation & removal temporary shoring angles furnished by BP-05A
        iii. Include wall removal as required for new opening
        iv. Include concrete SOG infill at door opening (Details A3 & A5/A-503)
            1. Wood floor infill by BP-09D Resilient Floors
        v. Include saw cutting vertical notch in CMU jambs
        vi. Install all steel reinforcing indicated
        vii. Include all drilling and epoxy requirements
        viii. Include installing HM door frame furnished by BP-08C Doors & Hardware
        ix. Include all forming and grouting requirements
        x. Include grouting HM frame solid
        xi. Install CMU bond beams
    f. **Work specifically excluded from this scope**:
        i. Wood floor refinishing
        ii. Wood floor saw cutting for new partitions, topping slab and door infills
        iii. Lighting fixtures and associated conduit, wiring & circuits scheduled for removal
        iv. All electrical and fire alarm devices
        v. All protective wire cages associated with fixtures and devices
        vi. Removal of spalling paint on decking
        vii. Door hardware replacement
        viii. Reclaiming refrigerants

8. Site Access Requirements

Subcontractor must conduct a 50-state background check and e-verify compliance for all personnel associated with the project

a. Submit completed Exhibit L—Lunsford Act & E-verify documentation to Construction Manager for Owner review and approval in advance of worker arriving on-site; same day approval **cannot** be granted.
b. All personnel, while on-site, must wear a plastic laminated photo identification badge that identifies person's name and employer. Badges are to be computer produced with a font large enough to be clearly visible. The ID badge template will be made available to successful prime contractors. All costs associated with criminal background checks, e-verification and ID Badging are the responsibility of each Subcontractor.
c. This a contractual requirement applicable to all personnel and all lower-tier subcontractors. Delivery drivers may be exempt with prior written approval from Construction Manager; submit request in advance.
d. Construction Manager and Owner reserve their right to deny any individual access to job-site for any reasonable condition

9. Subcontractor shall repair all land disturbances caused by equipment under this bid scope regardless of wet/dry conditions to include, but not limited to, repair of rutting, damages to erosion control measures, damage to temporary or permanent roads, curbing, etc.
    a. Restore all disturbed areas to equal or better condition than original
10. Provide all traffic control, flagging, guides, signage, etc. as required for this scope
11. Maintain all roads, streets, parking, etc. free and clear of any mud or debris created by this trade and its deliveries; clean-up shall occur immediately
    a. Sufficient personnel & equipment shall be on-site at all times to expedite this work
    b. Spillage of water, materials, etc. in public traffic areas shall be immediately cleaned
12. Inspect all substrates and conditions for suitability to receive work under this scope prior to starting work
    a. Advise Construction Manager immediately in writing of any deficiencies or issue
    b. Commencement of work guarantees acceptance of conditions
13. Daily clean-up of all trash and debris caused by this work
14. Furnish all ladders, lifts, shoring, scaffolding, bracing, reinforcing, etc. as required for this bid scope
15. Furnish all supplemental lighting and power as required for this scope
16. Include field measure of all work in this bid scope prior to fabrication
17. Include all necessary mobilizations, multiple crews and equipment, night and weekend shifts as required to facilitate construction progress or directed by Construction Manager to complete the work
18. Protect all work under this scope from damage until accepted by Owner
    a. Protect adjacent surfaces from damage by this scope of work. Any damage to adjacent surfaces or work during execution of this scope shall be repaired or replaced by this Subcontractor at no additional cost to Construction Manager
    b. Repairs shall be finished to match existing or adjacent construction
    c. Patch and repair all building finishes, structural components or other appurtenances that are removed or damaged as a result of performance of this scope. Repair work shall include finishes, components, substructure and materials required for the installation of such work in accordance with standard practices and shall be finished

to match existing or adjacent conditions.

d. Protect roadways and parking areas from damage caused by loading, unloading & staging of materials and equipment, hoisting & lifting activities, cranes, etc. All repair costs shall be borne by subcontractor responsible for said damages.

19. Subcontractor is responsible for all corrective repairs resulting from its defective workmanship
20. All corrective and repair work shall be performed within 24-hours after notification and shall be accepted prior to payment issuance to Subcontractor for said work performed
21. OSHA Safety measures shall be required and implemented
    a. Delivery drivers shall wear proper PPE while on site (staging, off-loading, etc.)
22. Project planning, to include, but not limited to:
    a. Participation in development of Master Construction Schedule
    b. Submit a Job Hazardous Analysis (JHA) for each definable feature of work in advance of work start
    c. Participation by foreman and all workers in a Preparatory Meeting to review JHA, safety requirements, proposed work, approved submittals and other applicable construction documents prior to starting work
23. Pricing is firm, not subject to escalation for duration of project

Specific Exclusions

As outlined above

Allowances

Not Applicable

Unit Prices

Not Applicable

Alternates

Not Applicable

Subcontractor Scope of Work
Exhibit A

The Coast Academy
Job No. 1953

BP 03A - Turnkey Concrete

This bid package is intended to be complementary to the Contract Documents including the Project Drawings, Specifications, Addendum, and Project Manual. Subcontractor acknowledges that the Subcontractor Specific Requirements are not intended to describe the complete and final work scope. Reference is made to the Specifications Sections, but is in no way intended to limit or alter the intent of the contract documents.

Subcontractor shall perform all work and shall furnish all layout, supervision, materials, labor, scaffolding, tools, equipment, supplies, services, rigging, craning and hoisting of all materials and equipment, temporary protection of own work, coordination of own work and interaction of work of others, home office and field administration, project management, scheduling, field supervision, engineering, quality control, safety, taxes, insurances, permits, punch list, closeouts and all other things necessary or reasonably incidental for the construction and completion of their work as portrayed in the enclosed enumerated contract documents and specification sections as referenced below:

SUBCONTRACTOR'S WORK SPECIFICALLY INCLUDES:

Bordeaux Bidding Requirements and Information 4/27/2020

Division 01 – General Requirements		
Division 03 – Concrete		
Section 03000	Cast-in-place Concrete	
Division 05 – Metals		(as it applies to this scope)
Division 07 – Thermal & Moisture Protection		
Section 072100	Thermal Insulation	(below grade)
Division 13 – Special Construction		
Section 133419	Metal Building Systems	(install anchor bolts)
Division 31 – Earthwork		
Section 313116	Termite Control	

All Related Sections/Requirements referenced within each Division and/or section

SUBCONTRACTOR SPECIFIC REQUIREMENTS:

1. <u>Payment and performance bond are not required for this bid scope</u>
2. BP-01 General Inclusion Items as applicable to complete Work
3. The on-site foreman or superintendent for this work scope shall have a cellular service enabled iPad with iOS 10.2.1 or later and equipped with a durable LifeProof protective case or equivalent. The iPad shall have the latest version of the Procore Construction

Management Software application installed in order to have all live project documents, drawings, submittals, etc. in hand and immediately accessible.

4. Complete installation of work in this bid scope in accordance with all local, state and federal (OSHA) safety regulations and/or requirements
5. Dispose of all trash and waste materials in dumpster provided by Construction Manager
6. Complete structural concrete installation as outlined in the construction documents and within this scope package to include all insurances and taxes
7. The following is a general outline of the items specifically included, but not limited to, in this bid scope:

Building Concrete:

a. Excavate, form, prep and place all building foundations (footings, walls)
b. Place, compact and fine grade stone capillary fill for slab on grade
c. Form, prep, place and finish all slabs on grade
d. Provide slab finishes as specified
e. Provide slab flatness and levelness as specified
f. Form, prep, place and finish all housekeeping pads as required per Contract Documents or as required for Mechanical, Electrical, Plumbing and Security Electronics. Coordinate size, layout, finishes, etc. with other trades prior to placing any pad
g. Furnish and install all concrete related accessories to include, but not limited to, necessary supports, bolsters, chairs, below-grade insulation, vapor barrier & tape, expansion joint materials, zip-strip, chamfer strips, etc.
h. Furnish and install all reinforcing bars and wire to include spacers, supports, chairs, etc.
    i. Vertical and horizontal bar reinforcing and horizontal wire reinforcing for masonry walls will be furnished and installed under BP-04A Masonry
i. Furnish and install all stone materials and below slab drainage materials
j. Furnish and install stone granular fill below slabs
k. Point, patch and rub all exposed concrete surfaces
l. Point and patch all hidden concrete surfaces; remove all form ties
m. Form, place and finish all exterior equipment pads
n. Install all embeds and anchor bolts furnished by others designated for installation in concrete SOG and concrete walls:
    i. Typical embeds include miscellaneous angles, trench drain embeds, weld-plates, anchor bolts, etc.
    ii. Include installation of anchor bolts furnished by BP-13B PEMB
    iii. Subcontractor is responsible for all layout from building corners provided by Construction Manager
    iv. Subcontractor shall take special care in layout, batter boards and installation of anchor bolts
    v. Notify Construction Manager immediately if anchor bolts are found to be out of compliance
    vi. Subcontractor shall be responsible for any remedial work required due to anchor bolts installed incorrectly

o. Forming and coordination of all stepped footings as required for MEP / Utilities crossing foundations
p. Provide concrete including all necessary admixtures and additives in compliance with specification and hot weather and cold weather concrete procedures including, but not limited to, water reducing admixture, hot water, cold water, ice, retardant, super-plasticizer, air entrainment, fly ash, etc.
    i. Refer to bid schedule under Section 5. Schedule is schematic in nature and will be adjusted once approved subcontractors are on board
    ii. Include all associated cost for surcharges, environmental fees, short loads, etc. as part of this bid package
q. Include cost to protect, transfer and maintain all staking installed by others. Re-staking costs will be borne by this Subcontractor
r. Include all doweling of adjacent SOG as required
    i. Horizontal dowels to be "Speed Dowel" type at construction joints, whether indicated or not
    ii. Dowels shall not be "wet set"
s. Furnish & install grout of all base plates after columns are set and plumbed. Coordinate with Construction Manager and BP-05A Structural Steel
t. Include all associated cost to participate in mock-ups as required to demonstrate aesthetic effects and set quality standards for materials and execution
    i. Incorporate all work provided under this scope in mockup wall
    ii. Include cost to construct footings for masonry wall mockups at location as directed by Construction Manager
    iii. Include vertical masonry dowels consistent with construction of exterior walls
    iv. Mockup is intended to show typical exterior wall construction of masonry wall, flashing details, brick, precast, and mortar colors, etc.
u. Furnish any required concrete blankets or temporary heat for cold weather concrete. Review cold weather procedures with Construction Manager prior to all pours
v. Furnish & install all rebar/reinforcing in concrete footings, canopy footings, slab on grade, turn down slabs, elevated slabs, "re-entry bars", etc. Dowels embedded in footings are included in this bid scope. Vertical masonry reinforcing will be furnished and installed under BP-04A Masonry
w. Provide thickened or depressed slabs as required in Contract Documents including, but not limited to: stair landings, interior partitions, HD storage, showers, access flooring, walk-in cooler/freezer, pre-fabricated showers, etc. or other equipment or finishes as required
x. Subcontractor shall furnish all required light-plants in base bid cost. It is anticipated that slab placements may take place early in the morning in order to allow proper finishing of the slab. Subcontractor shall include any additional cost for concrete plant costs to open and deliver concrete material outside of normal hours
y. Include all fabrication, delivery, materials and material handling (crane, pump, buggy) as required for the Work

z. Perform quality control testing to demonstrate compliance with contract documents in advance of Owner provided Third Party testing. Cost of re-testing by Owner Third Party testing shall be borne by this subcontractor as it relates to this scope of work
aa. Furnish all vertical protective rebar caps on all reinforcing dowels and turn over to project

Termite Control:

a. Provide termite and pest control as outlined in the specifications
    i. Protect treated areas from damage
    ii. Include retreatment at no cost to the project to restore areas left unprotected or damaged by others
b. Provide all required warranties
c. Provide service proposal for Owner consideration

Culinary School Floor Topping:

a. Furnish and install concrete topping slab for HVAC and Laundry Rooms
    i. Include pour stops to prevent concrete under existing wood floor
b. Include all requirements outlined within this bid scope

General Concrete Notes:

a. Special Inspections are required on this project
    i. Refer to Specifications and Drawings for schedule of special inspection as well as any other applicable specifications sections
    ii. Coordinate with special inspector, testing agencies, local inspectors and/or Engineer of Record as may be required
    iii. Include all associated cost to participate and support Special Inspections
b. Subcontractor is responsible for temporary power including generator and fuel costs until temporary power is in place
c. Building pad will be turned over +/- 0.10' at 0'-4" BFF (4" below finish floor). Include cost to excavate, compact and fine grade subgrade and place all footings, turn down slabs, depressed slabs, as may be required for a complete installation of building footings and slab on grade
d. Consolidate all footing spoils, slab excavation spoils or excess soil material to a central point as directed by Construction Manager for removal/use by BP-31A Turnkey Site
e. Re-compact soil subgrade prior to continuing preparation and placement of granular fill below SOG as part of this bid package
f. Subcontractor is responsible for field verifying all floor drain elevations to insure specified drainage requirements **prior** to concrete placement and notifying Contractor immediately of any documented inefficiencies
g. Submit construction joint (CJ) layout plan prior to each pour. Sawcut CJs within time frames as specified in the contract documents or as required by ACI 301
h. Coordinate concrete finish (broom, float, trowel, etc.) and curing method with Construction Manager and specified finishes prior to each placement

i. Water is anticipated to be available at the site, coordinate requirements with Construction Manager and BP-31A, Turnkey Sitework
j. Coordinate exterior door transitions with aluminum door contractor (BP-08A) and OH Door Contractor (BP-08B) to ensure positive drainage from building and that troweled finish to broomed finish transition occurs under door frame. Include sawcut and/or removal and replacement of any concrete that does not occur under a frame or threshold (i.e. troweled finishes visible from the exterior will not be accepted)
k. Slab on grade concrete shall be cured using either the moisture curing method or moisture retaining cover curing method listed in the specification. A curing compound may be allowed if it is determined compatible with flooring systems proposed by the Resinous, Resilient and/or stained/polished concrete contractors. No additional compensation for use of a moisture curing method in lieu of a curing compound will be allowed.
l. Slab on grade is anticipated to be placed prior to steel being set. Form column blockouts prior to placing slab. Include “stay form” or other leave-in-place form on the inside of the form to allow form to be stripped and prevent stone from “sloughing” into the column blockout area
m. All concrete shall be shipped and shall maintain specified temperatures throughout the approved placement and curing time allotment specified in the Contract Documents at no additional cost to Construction Manager. Delaying concrete placements to avoid controllable concrete temperature placements is not acceptable means and methods
n. Subcontractor is responsible for the strength of concrete as determined by specimens taken at point of discharge (or sampling) in accordance with all applicable ACI and ASTM standards and specifications for sampling, curing and testing concrete cylinders. Provide curing box or a safe location for storage and safekeeping of test samples until testing agency takes possession
o. Actual records of Subcontractors Ready Mix Vendor's delivery performance shall be kept and furnished to Construction Manager. If said concrete does not achieve designed strength or Owner's acceptance, Subcontractor will be responsible for all costs of removing, testing and retesting, replacing and/or shoring the said concrete.
p. Construction Manager will not be responsible for payment of defective concrete, returned concrete not in-compliance with approved submittals, short-loads, minimum load requirement charges, weekend or after hour concrete placements requirements, environmental fees or chargers, fuel surcharges, concrete delivered without inspection approvals for work to be placed, or returned deliveries which were not coordinated with Contractor.
q. Immediately after slab is placed, provide column blockout covers for OSHA compliance. Remove blockout covers after steel is set and dispose
r. Excavate to design subgrade elevation and obtain approval of subgrade conditions from Geotechnical Engineer (testing by owner). Care shall be taken to coordinate concrete placement to avoid exposure to weather. Contractor shall include all costs to remove reinforcing steel, form footings/slabs and/or any remediation of any subgrades exposed to water. No additional cost shall be paid for work to

remove and replace subgrade deemed unsuitable due to not being protected. At Subcontractor's option, placement of a mud mat, at no additional expense to the project, may be utilized to protect subgrade

s. All "local" dewatering measures as required by this scope to prosecute the work; well pointing and other "whole site" dewatering methods are not anticipated
t. Concrete foundations shall be cleaned and made ready for BP-04A Masonry
    i. Notify Construction Manager for inspection and notification to BP-04A Masonry
    ii. Subsequent cleaning shall be by BP-04A Masonry
u. Include saw cutting of existing edges to square, neaten, clean, etc. as required prior to placing concrete abutting existing concrete
v. Protect all slab edges from spalling; formwork may be left in place for this purpose

8. Site Access Requirements

Subcontractor must conduct a 50-state background check and e-verify compliance for all personnel associated with the project

a. Submit completed Exhibit L—Lunsford Act & E-verify documentation to Construction Manager for Owner review and approval in advance of worker arriving on-site; same day approval **cannot** be granted.
b. All personnel, while on-site, must wear a plastic laminated photo identification badge that identifies person's name and employer. Badges are to be computer produced with a font large enough to be clearly visible. The ID badge template will be made available to successful prime contractors. All costs associated with criminal background checks, e-verification and ID Badging are the responsibility of each Subcontractor.
c. This a contractual requirement applicable to all personnel and all lower-tier subcontractors. Delivery drivers may be exempt with prior written approval from Construction Manager; submit request in advance.
d. Construction Manager and Owner reserve their right to deny any individual access to job-site for any reasonable condition

9. Permanent roads will be expedited along with temporary drive and laydown areas shown on Site Logistics Plan
    a. Subcontractor shall take special care to stay on temporary drives during inclement weather
10. Subcontractor shall repair all land disturbances caused by equipment under this bid scope regardless of wet/dry conditions to include, but not limited to, repair of rutting, damages to erosion control measures, damage to temporary or permanent roads, curbing, etc.
    a. Restore all disturbed areas to equal or better condition than original
11. Provide all traffic control, flagging, guides, signage, etc. as required for this scope
12. Maintain all roads, streets, parking, on-site and off-site roadways, etc. free and clear of any mud or debris created by this trade and its deliveries; clean-up shall occur immediately
    a. Sufficient personnel & equipment shall be on-site at all times to expedite this work
    b. Spillage of water, materials, etc. in public traffic areas shall be immediately cleaned
13. Wash out all concrete materials in concrete washout location, see Site Logistics Plan
    a. Maintain washout as needed for removal of concrete materials

b. Consolidate all concrete rubble to a central point as directed by Construction Manager for removal by BP-31A Turnkey Site
c. General waste construction container is not suitable for concrete waste disposal

14. Inspect all substrates and conditions for suitability to receive work under this scope prior to starting work
    a. Advise Construction Manager immediately in writing of any deficiencies or issue
    b. Commencement of work guarantees acceptance of conditions
15. Daily clean-up of all trash and debris caused by this work
16. Furnish all ladders, lifts, shoring, scaffolding, etc. as required for this work
17. Furnish all supplemental lighting and power as required for this scope
18. Include field measure of all work in this bid scope prior to fabrication
19. Include all necessary mobilizations, multiple crews and equipment (pump, transport, light towers, etc.), night and weekend shifts as required to facilitate construction progress or as directed by Construction Manager to complete the work
20. Protect all work under this scope from damage until accepted by Owner
    a. Protect adjacent surfaces from damage by this scope of work. Any damage to adjacent surfaces or work during execution of this scope shall be repaired or replaced by this Subcontractor at no additional cost to Construction Manager
    b. Repairs shall be finished to match existing or adjacent construction
    c. Patch and repair all building finishes, structural components or other appurtenances that are removed or damaged as a result of performance of this scope. Repair work shall include finishes, components, substructure and materials required for the installation of such work in accordance with standard practices and shall be finished to match existing or adjacent conditions.
    d. Protect roadways and parking areas from damage caused by loading, unloading & staging of materials and equipment, hoisting & lifting activities, cranes, etc. All repair costs shall be borne by subcontractor responsible for said damages.
21. Subcontractor is responsible for all corrective repairs resulting from its defective workmanship
    a. Defective workmanship shall be defined as all birdbaths, out of tolerance floor flatness and levelness, out of tolerance floor finish, wall alignment, elevations, honeycombs, incorrectly installed embeds or anchor bolts, missed chamfer/reveals, and non-draining floors in the kitchen areas, showers, mechanical areas, electrical areas, rec yards, etc.
22. All corrective and repair work shall be performed within 24-hours after notification and shall be accepted prior to payment issuance to Subcontractor for said work performed
23. OSHA Safety measures shall be required and implemented
    a. Delivery drivers shall wear proper PPE while on site (staging, off-loading, etc.)
24. Project planning, to include, but not limited to
    a. Participation in development of Master Construction Schedule
    b. Submit a Job Hazardous Analysis (JHA) for each definable feature of work in advance of work start
    c. Participation by foreman and all workers in a Preparatory Meeting to review JHA, safety requirements, proposed work, approved submittals and other applicable construction documents prior to starting work

25. Provide all warranties, guarantees, extended service agreements, training, etc. as required
26. Pricing is firm, not subject to escalation for duration of project

SPECIFIC EXCLUSIONS

1. Joint filler by others
2. Site Concrete (sidewalks, pavement, ramps, equipment pads including generator pad & transformer, etc.) by BP-31A Turnkey Site
3. Footings/pole bases, light poles, duct banks, etc. by BP-26A Electrical
4. Grouting of masonry or hollow metal frames (BP-04A Masonry)
5. Testing (by others); however, re-testing/re-inspection costs due to failed tests are included herein by this Subcontractor
6. Architectural Precast Concrete by BP-04A Masonry
7. Vertical and horizontal bar wall reinforcing and horizontal wire wall reinforcing will be furnished and installed under BP-04A Masonry

ALLOWANCES

Not Applicable

UNIT PRICES

Not Applicable

ALTERNATES

Not Applicable

Subcontractor Scope of Work
Exhibit A

The Coast Academy
Job No. 1953

BP 05A - Turnkey Steel

This bid package is intended to be complementary to the Contract Documents including the Project Drawings, Specifications, Addendum, and Project Manual. Subcontractor acknowledges that the Subcontractor Specific Requirements are not intended to describe the complete and final work scope. Reference is made to the Specifications Sections, but is in no way intended to limit or alter the intent of the contract documents.

Subcontractor shall perform all work and shall furnish all layout, supervision, materials, labor, scaffolding, tools, equipment, supplies, services, rigging, craning and hoisting of all materials and equipment, temporary protection of own work, coordination of own work and interaction of work of others, home office and field administration, project management, scheduling, field supervision, engineering, quality control, safety, taxes, insurances, permits, punch list, closeouts and all other things necessary or reasonably incidental for the construction and completion of their work as portrayed in the enclosed enumerated contract documents and specification sections as referenced below:

SUBCONTRACTOR'S WORK SPECIFICALLY INCLUDES:

Bordeaux Bidding Requirements and Information 4/27/2020

Division 01 – General Requirements
Division 05 – Metals
Section 055000 Metal Fabrications
Division 09 – Finishes
Section 099100 Painting (as it relates to this scope)

All Related Sections/Requirements referenced within each Division and/or section

SUBCONTRACTOR SPECIFIC REQUIREMENTS:

1. Payment and performance bond are not required for this bid scope
2. BP-01 General Inclusion Items as applicable to complete Work
3. The on-site foreman or superintendent for this work scope shall have a cellular service enabled iPad with iOS 10.2.1 or later and equipped with a durable LifeProof protective case or equivalent. The iPad shall have the latest version of the Procore Construction Management Software application installed in order to have all live project documents, drawings, submittals, etc. in hand and immediately accessible.
4. Complete installation of work in this bid scope in accordance with all local, state and federal (OSHA) safety regulations and/or requirements
5. Dispose of all trash and waste materials in dumpster provided by Construction Manager

6. Complete installation as outlined in the construction documents and within this scope package to include all insurances and taxes
7. The following is a general outline of the items specifically included, but not limited to, in this bid scope:
    a. Scope of work includes:
        i. **Furnish <u>only</u>** Miscellaneous Metals
            1. All metal bollards; installed under BP-03A Turnkey Concrete
            2. All loose masonry lintels, brick shelf angles and lintels bearing on embeds only; install under BP-04A Turnkey Masonry
    b. All steel exposed or visible to the exterior (lintels, bollards, railings, stairs, ladders, sill, jamb & head supports for windows and doors, etc.) to be galvanized, whether shown or specified otherwise
    c. Include all sales tax for steel material
    d. Subcontractor shall be responsible for the substrate finish of any exposed steel, stair, railing, ladder, etc. provided under this scope.
        i. Intent is to remediate any nick, ding, burr, or other damage resulting from manufacturing, delivery, handling and installation to provide a smooth, uniform exposed surface ready to receive specified finish
        ii. Remediation includes grinding, sanding, Bondo, etc.
        iii. Coordinate with CM for scheduling this work
    e. Include all necessary mobilizations of manpower and equipment as required to facilitate construction progress and/or as directed by Construction Manager
    f. Unload and store on cribbage, dunnage or pallets all materials furnished under this bid scope
        i. All materials must be clean, free of dirt and mud, prior to installation
        ii. All materials installed under this scope which require supplemental cleaning shall be Subcontractor's responsibility at no cost to the project
    g. Forklifts will not be allowed on finished slab-on-grade areas:
        i. Feed materials from the exterior
        ii. Utilize pallet jacks to feed materials on finished slab areas where feeding from exterior is not feasible
        iii. Scissor lifts and other non-marking equipment may be allowed upon review of Subcontractor's erection plan with Construction Manager and receipt of written authorization thereof

8. Site Access Requirements

Subcontractor must conduct a 50-state background check and e-verify compliance for all personnel associated with the project

a. Submit completed Exhibit L—Lunsford Act & E-verify documentation to Construction Manager for Owner review and approval in advance of worker arriving on-site; same day approval **<u>cannot</u>** be granted.
b. All personnel, while on-site, must wear a plastic laminated photo identification badge that identifies person's name and employer. Badges are to be computer produced with a font large enough to be clearly visible. The ID badge template will be made available to successful prime contractors. All costs associated with criminal

background checks, e-verification and ID Badging are the responsibility of each Subcontractor.

c. This a contractual requirement applicable to all personnel and all lower-tier subcontractors. Delivery drivers may be exempt with prior written approval from Construction Manager; submit request in advance.
d. Construction Manager and Owner reserve their right to deny any individual access to job-site for any reasonable condition

9. Permanent roads will be expedited along with temporary drive and laydown areas shown on Site Logistics Plan
    a. Subcontractor shall take special care to stay on temporary drives during inclement weather
10. Subcontractor shall repair all land disturbances caused by equipment under this bid scope regardless of wet/dry conditions to include, but not limited to, repair of rutting, damages to erosion control measures, damage to temporary or permanent roads, curbing, etc.
    a. Restore all disturbed areas to equal or better condition than original
11. Provide all traffic control, flagging, guides, signage, etc. as required for this scope
12. Maintain all roads, streets, parking, on-site and off-site roadways, etc. free and clear of any mud or debris created by this trade and its deliveries; clean-up shall occur immediately
    a. Sufficient personnel & equipment shall be on-site at all times to expedite this work
    b. Spillage of water, materials, etc. in public traffic areas shall be immediately cleaned
13. Inspect all substrates and conditions for suitability to receive work under this scope prior to starting work
    a. Advise Construction Manager immediately in writing of any deficiencies or issues
    b. Commencement of work guarantees acceptance of conditions
14. Daily cleanup of debris caused by this work
15. Furnish all ladders, lifts, shoring, scaffolding, etc. as required for this work
16. Furnish all supplemental lighting and power as required for this scope
17. Include field measure of all work in this bid scope prior to fabrication
18. Include all necessary mobilizations, multiple crews, staging of materials and equipment (scaffold, lull, mortar mixers, grout pump, light towers, etc.), night and weekend shifts as required to facilitate construction progress or directed by Construction Manager to complete the work
19. Protect all work under this scope from damage until accepted by Owner
20. Protect adjacent surfaces from damage by this scope of work
    a. Any damage to adjacent surfaces or work during execution of this scope shall be repaired or replaced by this Subcontractor at no additional cost to Construction Manager
    b. Repairs shall be finished to match existing or adjacent construction
    c. Patch and repair all building finishes, structural components or other appurtenances that are removed or damaged as a result of performance of this scope. Repair work shall include finishes, components, substructure and materials required for the installation of such work in accordance with standard practices and shall be finished to match existing or adjacent conditions.

d. Protect roadways and parking areas from damage caused by loading, unloading & staging of materials and equipment, hoisting & lifting activities, cranes, etc. All repair costs shall be borne by subcontractor responsible for said damages.

21. Subcontractor is responsible for all corrective repairs resulting from its defective workmanship
22. All corrective and repair work shall be performed within 24-hours after notification and shall be accepted prior to payment issuance to Subcontractor for said work performed
23. OSHA Safety measures shall be required and implemented
    a. Delivery drivers shall wear proper PPE while on site (staging, off-loading, etc.)
24. Project planning, to include, but not limited to
    a. Participation in development of Master Construction Schedule
    b. Submit a Job Hazardous Analysis (JHA) for each definable feature of work in advance of work start
    c. Participation by foreman and all workers in a Preparatory Meeting to review JHA, safety requirements, proposed work, approved submittals and other applicable construction documents prior to starting work
25. Provide all warranties, guarantees, service agreements, O&M, training, etc. as required
26. Provide all extra materials as required
27. Pricing firm, not subject to escalation for duration of project

SPECIFIC EXCLUSIONS

1. Downspout boots (BP-31A)
2. Pre-engineered Metal Building (PEMB) including anchor bolts and tie-rods for PEMB

ALLOWANCES

Not Applicable

UNIT PRICES

Not Applicable

ALTERNATES

Not Applicable

Subcontractor Scope of Work
Exhibit A

The Coast Academy
Job No. 1953

BP 07D - Caulk & Sealants

This bid package is intended to be complementary to the Contract Documents including the Project Drawings, Specifications, Addendum, and Project Manual. Subcontractor acknowledges that the Subcontractor Specific Requirements are not intended to describe the complete and final work scope. Reference is made to the Specifications Sections, but is in no way intended to limit or alter the intent of the contract documents.

Subcontractor shall perform all work and shall furnish all layout, supervision, materials, labor, scaffolding, tools, equipment, supplies, services, rigging, craning and hoisting of all materials and equipment, temporary protection of own work, coordination of own work and interaction of work of others, home office and field administration, project management, scheduling, field supervision, engineering, quality control, safety, taxes, insurances, punch list, closeout and all other things necessary or reasonably incidental for the construction and completion of their work as portrayed in the enclosed enumerated contract documents and specification sections as referenced below:

SUBCONTRACTOR'S WORK SPECIFICALLY INCLUDES:

Bordeaux Bidding Requirements and Information 4/27/2020

Division 01 – General Requirements
Division 07 – Moisture & Thermal Protection
Section 071326 Self-Adhering Sheet Waterproofing
Section 079200 Joint Sealants

All Related Sections/Requirements referenced within each Division and/or section

SUBCONTRACTOR SPECIFIC REQUIREMENTS:

1. BP-01 General Inclusion Items as applicable to complete Work
2. Complete installation of work in this bid scope in accordance with all local, state and federal (OSHA) safety regulations and/or requirements
3. Complete installation as outlined in the construction documents and within this scope package
4. Dispose of all trash and waste materials in dumpster provided by Construction Manager
5. The following is a general outline of the items specifically included, but not limited to, in this bid scope:
    a. Furnish all labor, material, equipment, backer rod, accessories, etc. to make a complete installation of **all caulking and sealants**:
        i. Exterior Joints: Vertical surfaces and horizontal non-traffic surfaces

ii. Exterior Joints: Horizontal traffic surfaces
iii. Interior joints: Vertical surfaces and horizontal non-traffic surfaces
iv. Interior Joints: horizontal traffic surfaces
v. Acoustical sealants as required

b. Include color selection from Manufacturer's full line of colors as specified
c. Clean and prepare joints in accordance with manufacturer's written recommendations to include primers, masking tape, re-sawing of concrete joints, etc.
d. Clean off excess sealant and smears from adjacent surfaces as work progresses
e. Include caulking of interior caulking of vertical and horizontal joints of dissimilar materials, interior vertical drywall expansion control joints, caulking around perimeter of hollow metal or window frames, caulking of concrete control or expansion joints for interior and exterior slabs, walks or pavement.
    i. Exclude polished concrete floor joints
    ii. Include sidewalk to building joints
    iii. Include GWB to PEMB framing
f. Include caulking of all hollow metal frames to adjacent floor finishes
    i. Caulk color shall be selected by architect to match floor
g. Include caulking of all items requiring backer rod, unless specifically noted by others
h. Include caulking of exterior wall louvers, downspouts or downspout boots as required
i. Include caulking around perimeter of plumbing fixtures to floor or wall finishes
j. Furnish all labor, material, equipment, accessories, etc. to make a complete installation of **all self-adhered sheet waterproofing**:
    i. Prepare, clean, treat, etc. substrate in accordance with manufacturer's written instructions
    ii. Include primers, conditioners and bonding agents as required
    iii. Properly dispose of all chemicals, empty containers & packaging, product residues, etc. off-site as part of this scope. Said waste material shall not be disposed of in general construction debris dumpster
    iv. Include local dewatering and mud, dirt and debris removal
k. Include participation in construction of mockup wall to demonstrate workmanship, correct materials and for coordination with project subcontractors
    i. Incorporate all work provided under this scope in mockup wall
    ii. Caulking of joints in project mockup wall panels to demonstrate workmanship, correct materials and for coordination with other subcontractors
l. Include all cost associated with demonstration of specification compliance to include associated repairs
    i. Subcontractor shall be responsible for all costs (initial testing, re-testing, corrective measures, repairs, etc.) when its installation fails to meet compliance at no additional cost to the project
    ii. Include all cost associated with Pre-Construction Field-Adhesion Testing
    iii. Include all cost associated with manufacturer's technical representative to attend Preconstruction Field adhesion testing
m. Properly dispose of all chemicals, empty containers & packaging, etc. off-site as part of this scope. Said waste material shall not be disposed of in general construction debris dumpster

6. **Site Access Requirements**
   Subcontractor must conduct a 50-state background check and e-verify compliance for all personnel associated with the project
   a. Submit completed Exhibit L—Lunsford Act & E-verify documentation to Construction Manager for Owner review and approval in advance of worker arriving on-site; same day approval **cannot** be granted.
   b. All personnel, while on-site, must wear a plastic laminated photo identification badge that identifies person's name and employer. Badges are to be computer produced with a font large enough to be clearly visible. The ID badge template will be made available to successful prime contractors. All costs associated with criminal background checks, e-verification and ID Badging are the responsibility of each Subcontractor.
   c. This a contractual requirement applicable to all personnel and all lower-tier subcontractors. Delivery drivers may be exempt with prior written approval from Construction Manager; submit request in advance.
   d. Construction Manager and Owner reserve their right to deny any individual access to job-site for any reasonable condition

7. Furnish all ladders, lifts, shoring, scaffolding, etc. as required for this work
8. Furnish all supplemental lighting and power as required for this scope
9. Include field measure of all work in this bid scope prior to fabrication
10. Include all necessary mobilizations, multiple crews and equipment, night and weekend shifts as required or directed by Construction Manager to complete the work
11. Protect all work under this scope from damage until accepted by Owner
12. Protect adjacent surfaces from damage by this scope of work
    a. Any damage to adjacent surfaces or work during execution of this scope shall be repaired or replaced by this Subcontractor at no additional cost to Construction Manager
    b. Repairs shall be finished to match existing or adjacent construction
    c. Patch and repair all building finishes, structural components or other appurtenances that are removed or damaged as a result of performance of this scope. Repair work shall include finishes, components, substructure and materials required for the installation of such work in accordance with standard practices and shall be finished to match existing or adjacent conditions.
    d. Protect roadways and parking areas from damage caused by loading, unloading & staging of materials and equipment, hoisting & lifting activities, cranes, etc. All repair costs shall be borne by subcontractor responsible for said damages.
13. Subcontractor is responsible for all corrective repairs resulting from its defective workmanship
14. All corrective and repair work shall be performed within 24-hours after notification and shall be accepted prior to payment issuance to Subcontractor for said work performed
15. OSHA Safety measures shall be required and implemented:
16. Project planning, to include, but not limited to:
    a. Participation in development of Master Construction Schedule

b. Submit a Job Hazardous Analysis (JHA) for each definable feature of work in advance of work start
c. Participation by foreman and all workers in a Preparatory Meeting to review JHA, safety requirements, proposed work, approved submittals and other applicable construction documents prior to starting work

17. Inspect all substrates and conditions for suitability to receive work under this scope prior to starting work
    a. Advise Construction Manager immediately in writing of any deficiencies or issues
    b. Commencement of work guarantees acceptance of conditions
18. Provide all warranties, guarantees, extended service agreements, training, etc. as required
19. Pricing is firm, not subject to escalation for duration of project

SPECIFIC EXCLUSIONS

1. Firestopping as provided by BP-09A
2. Caulking of all storefront or aluminum entrance frames as provided by BP- 08A
3. Sealants for installation of windows & glass will be installed by BP-08A
4. Caulking of all casework, cabinets and countertops as provided by BP-12B
5. Caulking of all ceramic tile floor expansion Joints as provided by BP-09B
6. Caulking of Interior Polished Concrete Floor Control Joints by BP-09F

ALLOWANCES

Not Applicable

UNIT PRICES

Not Applicable

ALTERNATES

Not Applicable

Subcontractor Scope of Work
Exhibit A

The Coast Academy
Job No. 1953

BP 08A – Storefront & Glazing

This bid package is intended to be complementary to the Contract Documents including the Project Drawings, Specifications, Addendum, and Project Manual. Subcontractor acknowledges that the Subcontractor Specific Requirements are not intended to describe the complete and final work scope. Reference is made to the Specifications Sections, but is in no way intended to limit or alter the intent of the contract documents.

Subcontractor shall perform all work and shall furnish all layout, supervision, materials, labor, scaffolding, tools, equipment, supplies, services, rigging, craning and hoisting of all materials and equipment, temporary protection of own work, coordination of own work and interaction of work of others, home office and field administration, project management, scheduling, field supervision, engineering, quality control, safety, taxes, insurances, permits, punch list, closeouts and all other things necessary or reasonably incidental for the construction and completion of their work as portrayed in the enclosed enumerated contract documents and specification sections as referenced below:

SUBCONTRACTOR'S WORK SPECIFICALLY INCLUDES:

Bordeaux Bidding Requirements and Information 4/27/2020

Division 01 – General Requirements
Division 07 – Thermal & Moisture Protection

Section 079200	Joint Sealants	(as it applies to this scope)

Division 08 – Openings

Section 084113	Aluminum-Framed Entrances & Storefronts	
Section 087110	Door Hardware	(as it applies to this scope)
Section 088000	Glazing	(as it applies to this scope)

All Related Sections/Requirements referenced within each Division and/or section

SUBCONTRACTOR SPECIFIC REQUIREMENTS:

1. BP-01 General Inclusion Items as applicable to complete Work
2. The on-site foreman or superintendent for this work scope shall have a cellular service enabled iPad with iOS 10.2.1 or later and equipped with a durable LifeProof protective case or equivalent. The iPad shall have the latest version of the Procore Construction Management Software application installed in order to have all live project documents, drawings, submittals, etc. in hand and immediately accessible.
3. Complete installation of work in this bid scope in accordance with all local, state and federal (OSHA) safety regulations and/or requirements

4. Dispose of all trash and waste materials in dumpster provided by Construction Manager
5. Complete installation as outlined in the construction documents and within this scope package to include all insurances and taxes
6. The following is a general outline of the items specifically included, but not limited to, in this bid scope:
    a. Furnish all labor, material, equipment, accessories, trim, etc. to make a complete installation of:
        i. Aluminum Storefront windows and entrances
        ii. Hardware for all aluminum entrances
            1. Cylinders for aluminum entrances will be furnished for installation under this bid scope by BP-08C Doors & Hardware
        iii. Glazing for aluminum storefronts and entrances
        iv. Glazing for hollow metal and wood doors
        v. Window film and shading where indicated or specified
        vi. Delegated-design for storefront windows & entrances and glazing as required
    b. Furnish & install all sill drain pans
    c. Furnish & install flexible flashing at window sills; coordinate installation with BP-04A
    d. Furnish & install interior aluminum clips and covers at window sills
    e. Caulk and sealant of storefront assemblies to dissimilar materials including any necessary backer rod to seal cavity is included in this bid scope
    f. Include post construction adjustment of doors and hardware as required
    g. Clean windows and frames after completion
    h. Include participation in mock-ups as required to demonstrate aesthetic effects and set quality standards for materials and execution
        i. Incorporate all work provided under this bid scope in mock-up wall
    i. Include all associated cost to perform 3rd party spray testing of window systems, roof flashings & HVAC equipment according with AAMA 501.2 under this bid scope:
        i. **Test all** window systems and exterior doors
        ii. For spray testing of window systems, follow full AAMA 501.2 testing requirements
        iii. Any retesting of failed tests will be paid for by the responsible subcontractor
        iv. Submit qualifications of 3rd party spray testing firm prior to beginning. Self-performing spray testing will not be permitted

7. Site Access Requirements

Subcontractor must conduct a 50-state background check and e-verify compliance for all personnel associated with the project

a. Submit completed Exhibit L—Lunsford Act & E-verify documentation to Construction Manager for Owner review and approval in advance of worker arriving on-site; same day approval **cannot** be granted.
b. All personnel, while on-site, must wear a plastic laminated photo identification badge that identifies person's name and employer. Badges are to be computer produced with a font large enough to be clearly visible. The ID badge template will be made available to successful prime contractors. All costs associated with criminal background checks, e-verification and ID Badging are the responsibility of each Subcontractor.

c. This a contractual requirement applicable to all personnel and all lower-tier subcontractors. Delivery drivers may be exempt with prior written approval from Construction Manager; submit request in advance.
d. Construction Manager and Owner reserve their right to deny any individual access to job-site for any reasonable condition

8. Inspect all substrates and conditions for suitability to receive work under this scope prior to starting work
    a. Advise Construction Manager immediately in writing of any deficiencies or issues
    b. Commencement of work guarantees acceptance of conditions
9. Daily cleanup of debris caused by this work
10. Furnish all ladders, lifts, shoring, scaffolding, etc. as required for this work
11. Furnish all supplemental lighting and power as required for this scope
12. Include field measure of all work in this bid scope prior to fabrication
13. Include all necessary mobilizations, multiple crews and equipment, night and weekend shifts as required or directed by Construction Manager to complete the work
14. Protect all work under this scope from damage until accepted by Owner
15. Protect adjacent surfaces from damage by this scope of work
    a. Any damage to adjacent surfaces or work during execution of this scope shall be repaired or replaced by this Subcontractor at no additional cost to Construction Manager
    b. Repairs shall be finished to match existing or adjacent construction
    c. Patch and repair all building finishes, structural components or other appurtenances that are removed or damaged as a result of performance of this scope. Repair work shall include finishes, components, substructure and materials required for the installation of such work in accordance with standard practices and shall be finished to match existing or adjacent conditions.
    d. Protect roadways and parking areas from damage caused by loading, unloading & staging of materials and equipment, hoisting & lifting activities, cranes, etc. All repair costs shall be borne by subcontractor responsible for said damages.
16. Subcontractor is responsible for all corrective repairs resulting from its defective workmanship
17. All corrective and repair work shall be performed within 24-hours after notification and shall be accepted prior to payment issuance to Subcontractor for said work performed
18. OSHA Safety measures shall be required and implemented
19. Provide all warranties, guarantees, service agreements, O&M, training, etc. as required
20. Provide all extra materials as required
21. Pricing firm, not subject to escalation for duration of project

SPECIFIC EXCLUSIONS

1. Mirrors provided by BP-10A Specialties

ALLOWANCES

Not Applicable

UNIT PRICES

Not Applicable

ALTERNATES

Not Applicable

Subcontractor Scope of Work
Exhibit A

The Coast Academy
Job No. 1953

BP 08C – Doors & Hardware

This bid package is intended to be complementary to the Contract Documents including the Project Drawings, Specifications, Addendum, and Project Manual. Subcontractor acknowledges that the Subcontractor Specific Requirements are not intended to describe the complete and final work scope. Reference is made to the Specifications Sections, but is in no way intended to limit or alter the intent of the contract documents.

Subcontractor shall perform all work and shall furnish all layout, supervision, materials, labor, scaffolding, tools, equipment, supplies, services, rigging, craning and hoisting of all materials and equipment, temporary protection of own work, coordination of own work and interaction of work of others, home office and field administration, project management, scheduling, field supervision, engineering, quality control, safety, taxes, insurances, permits, punch list, closeouts and all other things necessary or reasonably incidental for the construction and completion of their work as portrayed in the enclosed enumerated contract documents and specification sections as referenced below:

SUBCONTRACTOR'S WORK SPECIFICALLY INCLUDES:

Bordeaux Bidding Requirements and Information 4/27/2020

Division 01 – General Requirements		
Division 05 – Metal Fabrications		(as it applies to this scope)
Division 07 – Thermal & Moisture Protection		
Section 079200	Joint Sealants	(as it applies to this scope)
Division 08 – Openings		
Section 081113	Hollow Metal Frames	
Section 081416	Flush Wood Doors	
Section 083323	Overhead Coiling Doors	(as it applies to this scope)
Section 083113	Aluminum –Framed Entrances & Storefronts	(as it applies to this scope)
Section 087110	Door Hardware	
Section 088000	Glazing	(as it applies to this scope)
Division 26 – Electrical		(as it relates to this scope)
Division 28 – Electronic Safety & Security		(as it applies to this scope)

All Related Sections/Requirements referenced within each Division and/or section

SUBCONTRACTOR SPECIFIC REQUIREMENTS:

1. Payment and performance bonds are not required for this bid scope
2. BP-01 General Inclusion Items as applicable to Complete work
3. The on-site foreman or superintendent for this work scope shall have a cellular service enabled iPad with iOS 10.2.1 or later and equipped with a durable LifeProof protective case or equivalent. The iPad shall have the latest version of the Procore Construction Management Software application installed in order to have all live project documents, drawings, submittals, etc. in hand and immediately accessible.
4. Complete installation of work in this bid scope in accordance with all local, state and federal (OSHA) safety regulations and/or requirements
5. Dispose of all trash and waste materials in dumpster provided by Construction Manager
6. Complete installation as outlined in the construction documents and within this scope package to include all insurances and taxes
7. The following is a general outline of the items specifically included, but not limited to, in this bid scope:
    a. Furnish all labor, materials, equipment, anchors, fasteners, caulking, sealants and other accessories as required to make a complete installation of:
        i. All Hollow Metal Doors & Frames
            1. All commercial hollow metal door & window frames (furnish, delivery, unload, protection, and stock only – NO install)
            2. All HM doors, furnished & installed
        ii. All Wood doors, furnished & installed
        iii. All Finish Door Hardware, furnished & installed:
            1. Hinges, push/pulls, locksets, latch sets, cylinders, keys, bolts, closers, door control devices, automatic operators, protection plates, sliders, door bumpers, thresholds, weather stripping, stops, silencers, etc.
            2. Bollard ADA actuators as indicated or required
            3. Aluminum storefront hardware by others
                a. Provide lockset cylinder cores
            4. Adjustments as required
            5. Any exterior locksets or padlocks required on fencing, PIVs, etc.
            6. All low voltage wiring between power source and hardware
                a. Final operation of doors is the responsibility of this scope
            7. Include door and frame prep of existing doors to receive new hardware as required
        iv. Complete Key Schedule
            1. Subcontractor is responsible for coordination of master keying schedule
            2. Provide keying and spare keys per specification
        v. Provide all associated Submittals & Shop Drawings
    b. Furnish HM frames to BP-04A Turnkey Mason for all frames in masonry openings and BP-09A Drywall for all frames in metal stud/drywall openings
        i. Frames shall have a "spreader" strap at foot of all frames for installation
        ii. Include cost to unload and store frames on slab on grade or in area as mutually agreed to with Construction Manager

iii. Provide temporary weatherproof tarp over all HM & SHM frames
iv. Furnish all necessary clips, anchors and attachments for hollow metal frames

c. Furnish & Install two (2) temporary doors, frames, & locks for mechanical rooms, electrical rooms, data rooms, sprinkler riser rooms, etc. as directed by Construction Manager
    i. Wall partition infill and setting of HM frames provided under BP-01A General Trades
    ii. Frames, doors and hardware shall be salvaged for reuse throughout project
d. Provide all door adjustments and shims as required to include, but not limited to:
    i. Immediately after initial install
    ii. Adjustments as required for CM, Designer & Owner acceptances
    iii. 6-month post construction adjustment
e. Include all glazing stops with screws (holes predrilled – no loose stops)
f. All frames to be solid welded with reinforced hinges and corners
g. Fire rating labels are to be die-stamped on fire rated doors and frames as specified
    i. Provide letter of certification recording identification numbers to the Construction Manager
    ii. Peel off labels and/or physical UL labels will not be permitted
h. Provide primer to interior sections of HM frame jamb, sill and heads
i. Include any corrective/field work as specified to make frames ready to receive grout
j. Coordinate all door undercuts for clearances with floor finishes specified
k. Provide sanding, Bondo work and touch-up of any rusted or damaged frames
l. Furnish construction cores for all removable core locks. At completion of construction, remove construction cores and replace with permanent cores. Furnish keys for construction cores to Construction Manager in quantity as required.
m. Remove all temporary labels and protective coatings as directed by Construction Manager

8. Site Access Requirements

Subcontractor must conduct a 50-state background check and e-verify compliance for all personnel associated with the project

a. Submit completed Exhibit L—Lunsford Act & E-verify documentation to Construction Manager for Owner review and approval in advance of worker arriving on-site; same day approval **cannot** be granted.
b. All personnel, while on-site, must wear a plastic laminated photo identification badge that identifies person's name and employer. Badges are to be computer produced with a font large enough to be clearly visible. The ID badge template will be made available to successful prime contractors. All costs associated with criminal background checks, e-verification and ID Badging are the responsibility of each Subcontractor.
c. This a contractual requirement applicable to all personnel and all lower-tier subcontractors. Delivery drivers may be exempt with prior written approval from Construction Manager; submit request in advance.
d. Construction Manager and Owner reserve their right to deny any individual access to job-site for any reasonable condition

9. Permanent roads will be expedited along with temporary drive and laydown areas shown on Site Logistics Plan
    a. Subcontractor shall take special care to stay on temporary drives during inclement weather
10. Subcontractor shall repair all land disturbances caused by equipment under this bid scope regardless of wet/dry conditions to include, but not limited to, repair of rutting, damages to erosion control measures, damage to temporary or permanent roads, curbing, etc.
    a. Restore all disturbed areas to equal or better condition than original
11. Provide all traffic control, flagging, guides, signage, etc. as required for this scope
12. Maintain all roads, streets, parking, on-site and off-site roadways, etc. free and clear of any mud or debris created by this trade and its deliveries; clean-up shall occur immediately
    a. Sufficient personnel & equipment shall be on-site at all times to expedite this work
    b. Spillage of water, materials, etc. in public traffic areas shall be immediately cleaned
13. Inspect all substrates and conditions for suitability to receive work under this scope prior to starting work
    a. Advise Construction Manager immediately in writing of any deficiencies or issue
    b. Commencement of work guarantees acceptance of conditions
14. Daily clean-up of all trash and debris caused by this work
15. Furnish all ladders, lifts, shoring, scaffolding, etc. as required for this work
16. Furnish all supplemental lighting and power as required for this scope
17. Include field measure of all work in this bid scope prior to fabrication
18. Include all necessary mobilizations, multiple crews and equipment, night and weekend shifts as required or directed by Construction Manager to complete the work
19. Protect all work under this scope from damage until accepted by Owner
    a. Protect adjacent surfaces from damage by this scope of work Any damage to adjacent surfaces or work during execution of this scope shall be repaired or replaced by this Subcontractor at no additional cost to Construction Manager
    b. Repairs shall be finished to match existing or adjacent construction
    c. Patch and repair all building finishes, structural components or other appurtenances that are removed or damaged as a result of performance of this scope. Repair work shall include finishes, components, substructure and materials required for the installation of such work in accordance with standard practices and shall be finished to match existing or adjacent conditions.
    d. Protect roadways and parking areas from damage caused by loading, unloading & staging of materials and equipment, hoisting & lifting activities, cranes, etc. All repair costs shall be borne by subcontractor responsible for said damages.
20. Subcontractor is responsible for all corrective repairs resulting from its defective workmanship
21. All corrective and repair work shall be performed within 24-hours after notification and shall be accepted prior to payment issuance to Subcontractor for said work performed
22. OSHA Safety measures shall be required and implemented
    a. Delivery drivers shall wear proper PPE while on site (staging, off-loading, etc.)
23. Project planning, to include, but not limited to
    a. Participation in development of Master Construction Schedule

b. Submit a Job Hazardous Analysis (JHA) for each definable feature of work in advance of work start
c. Participation by foreman and all workers in a Preparatory Meeting to review JHA, safety requirements, proposed work, approved submittals and other applicable construction documents prior to starting work

24. Provide all warranties, guarantees, extended service agreements, training, etc. as required
25. Pricing is firm, not subject to escalation for duration of project

SPECIFIC EXCLUSIONS

1. All door hardware in OH Doors (provided under BP-08B) is excluded from this scope, with the exception of cylinders in OH Doors

ALLOWANCES

Not Applicable

UNIT PRICES

Not Applicable

ALTERNATES

Alternate C-3, Owner Preferred Brand – Schlage locks, if selected by Owner, shall include any specific or special requirements, above and beyond that of the base bid, to support the indicated Preferred Brand:

- **Base Bid:** Provide a complete installation of door locksets, cylinders and keying as required to support the project
- **Alternate:** Provide a complete installation using **Schlage** locksets, cylinders and keying. Installation must fully integrate with Owner's proprietary **Schlage** keyway system.
- If there is no cost difference between Base Bid and Alternate, then Alternate C-3 bid shall be "No Cost"; otherwise, indicate the net cost difference to provide Owner Preferred Brand
- Include all requirements outlined within this bid package

Alternate C-4, Owner Preferred Brand – LCN Door Closers, if selected by Owner, shall include any specific or special requirements, above and beyond that of the base bid, to support the indicated Preferred Brand:

- **Base Bid:** Provide a complete installation of door closers as required to support the project
- **Alternate:** Provide a complete installation using **LCN door closers**
- If there is no cost difference between Base Bid and Alternate, then Alternate C-4 bid shall be "No Cost"; otherwise, indicate the net cost difference to provide Owner Preferred Brand
- Include all requirements outlined within this bid package

Alternate C-5, Owner Preferred Brand – Von Duprin Exit Devices, if selected by Owner, shall include any specific or special requirements, above and beyond that of the base bid, to support the indicated Preferred Brand:

- **Base Bid:** Provide a complete installation of door exit devices as required to support the project
- **Alternate:** Provide a complete installation using **Von Duprin exit devices**
- If there is no cost difference between Base Bid and Alternate, then Alternate C-5 bid shall be "No Cost"; otherwise, indicate the net cost difference to provide Owner Preferred Brand
- Include all requirements outlined within this bid package

Alternate C-6, Owner Preferred Brand – Open Options Software Integration, if selected by Owner, shall include any specific or special requirements, above and beyond that of the base bid, to support the indicated Preferred Brand:

- **Base Bid:** Provide a complete card access control system installation as required to support the project
- **Alternate:** Provide a complete card access control installation using devices and electronic locks compatible with **Open Options Software** as required to support the project. Installation must fully integrate with Owner's existing **Open Options Software** access control system.
- If there is no cost difference between Base Bid and Alternate, then Alternate C-6 bid shall be "No Cost"; otherwise, indicate the net cost difference to provide Owner Preferred Brand
- Include all requirements outlined within this bid package

Subcontractor Scope of Work
Exhibit A

The Coast Academy
Job No. 1953

BP 09A - Drywall

This bid package is intended to be complementary to the Contract Documents including the Project Drawings, Specifications, Addendum, and Project Manual. Subcontractor acknowledges that the Subcontractor Specific Requirements are not intended to describe the complete and final work scope. Reference is made to the Specifications Sections, but is in no way intended to limit or alter the intent of the contract documents.

Subcontractor shall perform all work and shall furnish all layout, supervision, materials, labor, scaffolding, tools, equipment, supplies, services, rigging, craning and hoisting of all materials and equipment, temporary protection of own work, coordination of own work and interaction of work of others, home office and field administration, project management, scheduling, field supervision, engineering, quality control, safety, taxes, insurances, permits, punch list, closeouts and all other things necessary or reasonably incidental for the construction and completion of their work as portrayed in the enclosed enumerated contract documents and specification sections as referenced below:

SUBCONTRACTOR'S WORK SPECIFICALLY INCLUDES:

Bordeaux Bidding Requirements and Information 4/27/2020

Division 01 – General Requirements		
Division 02 – Demolition		(as it applies to this scope)
Division 05 – Metals		(as it applies to this scope)
Section 054000	Cold-Formed Metal Framing	
Division 06 – Wood, Plastics & Composites		(as it applies to this scope)
Division 07 – Thermal & Moisture Protection		
Section 072100	Thermal Insulation	(as it applies to this scope)
Section 078413	Penetration Firestopping	
Section 078446	Fire-Resistive Joint System	
Section 079200	Joint Sealants	(as it applies to this scope)
Division 08 – Openings		
Section 081113	Hollow Metal Frames	(as it applies to this scope)
Division 09 – Finishes		
Section 092216	Non-Structural Metal Framing	
Section 092900	Gypsum Board	
Section 093000	Tiling	(as it applies to this scope)
Section 098433	Sound Absorbing Wall Units	(as it applies to this scope)
Section 099100	Painting	(as it applies to this scope)

All Related Sections/Requirements referenced within each Division and/or section

SUBCONTRACTOR SPECIFIC REQUIREMENTS:

1. Payment and performance bond are required for this bid scope. Cost of payment and performance bonds are included in the base bid price.
2. BP-01 General Inclusion Items as applicable to complete Work
3. The on-site foreman or superintendent for this work scope shall have a cellular service enabled iPad with iOS 10.2.1 or later and equipped with a durable LifeProof protective case or equivalent. The iPad shall have the latest version of the Procore Construction Management Software application installed in order to have all live project documents, drawings, submittals, etc. in hand and immediately accessible.
4. Complete installation of work in this bid scope in accordance with all local, state and federal (OSHA) safety regulations and/or requirements
5. Complete installation as outlined in the Construction Documents and within this scope package
6. Dispose of all trash and waste materials in dumpster provided by Construction Manager
7. The following is a general outline of the items specifically included, but not limited to, in this bid scope:
    a. Furnish all labor, material, equipment, accessories, etc. to make a complete installation of:
        i. All structural and non-structural light gauge framing
            1. Include delegated-design requirements as applicable
        ii. All GWB assemblies (ceilings, partitions, headers, bulkheads & soffits)
        iii. All UL-rated GWB assemblies
        iv. All insulation (batt & acoustic insulation) for GWB Assemblies
        v. All tile backer board for ceramic wall tile installed on metal framing
        vi. All GWB accessories, reveals & metal trims as required
        vii. All sheathing as required
        viii. All hoisting, welding, lifts, cranes or any other equipment for installation
        ix. All plywood attached direct to metal framing
        x. Furnish **minimum XP grade** GWB
        xi. All required abuse resistant GWB
        xii. Provide Level 4 finish (minimum)
        xiii. All interior ceiling and wall expansion joints as required
    b. Install hollow metal frames in GWB openings
        i. HM frames provided under BP-08C to central point
        ii. Include cost to transport frame from central location to opening
    c. Install all required metal furring and channels associated with acoustical wall panel and plastic laminate wall panel installations
        i. Coordinate with respective trades (BP-09C and BP-12B)
    d. Install access doors furnished by others for integration in GWB assemblies
        i. Coordinate all Mechanical, Electrical, Plumbing, Sprinkler, etc. access requirements with respective trades
        ii. Provide rough-in and installation of access door in this bid scope

e. Furnish all labor, material, equipment, accessories, etc. to make a complete installation of all **Firestopping:**
    i. All through-penetration firestopping
    ii. Top of wall firestopping
    iii. Wall to wall fire resistive joint systems
    iv. Smoke sealant of all penetrations and top of wall conditions
    v. Rated wall identification
    vi. Through-penetration firestop identification
    vii. Prepare all surfaces in accordance with manufacturer's written instructions to include cleaning, brushing, primers, taping, etc.
    viii. All project firestopping requirements including MEP, fire sprinkler, top of wall conditions and fire resistive joint conditions are provided under this bid scope
    ix. Firestopping of any spare conduits is included in this bid package
    x. Provide field installer certifications documentation to Construction Manager
f. Coordinate all wall penetrations, blockouts, framed openings, etc. as required with other trades
g. Include backer rod and sealants at all GWB top-of-wall conditions
h. Include control joints in GWB walls and ceilings in accordance with ASTM C840
    i. Submit shop drawing of control joint layout
i. All GWB walls shall be finished, pointed up, and ready for paint
    i. After point up is completed, notify Construction Manager of suitability to proceed with 1st coat of paint
    ii. After 1st coat of paint and after permanent lights, Construction Manager will punch list GWB walls prior to final paint
    iii. A separate point up crew shall be provided if GWB work is ongoing to allow point up to proceed without impacting drywall progress
j. Include all associated cost to participate in mock-ups as required to demonstrate aesthetic effects and set quality standards for materials and execution
    i. Mock-ups to be of sufficient size to demonstrate joints, surface color, pattern, texture, standard of workmanship, etc.

8. Allowances

Include all stated allowances as outlined within this bid scope

Use of any allowance shall be as directed by Construction Manager and supported with sufficient documentation as required. Any work performed without prior written authorization will be considered as a requirement to complete the scope of work in this bid package and at no cost to the project:

a. Include an **Allowance** for **additional drywall patch and repairs after painting** as directed by Construction Manager, and shall be based upon indicated Quantities and Unit Prices:
    i. Additional drywall patch and repair is defined as repairs required in addition to those specified within the bid package
    ii. Include all requirements outlined within this bid package
    iii. Include 25 hours for said work

b. Include as **Allowances** for designated scope and quantity, installed as directed by Construction Manager, and shall be based upon indicated Quantities and Unit Prices:
    i. Furnish & install 24”x24” flush access door and frames; **quantity of Five (5)**
    ii. Include all requirements outlined within this bid package

9. Site Access Requirements

Subcontractor must conduct a 50-state background check and e-verify compliance for all personnel associated with the project

a. Submit completed Exhibit L—Lunsford Act & E-verify documentation to Construction Manager for Owner review and approval in advance of worker arriving on-site; same day approval **cannot** be granted.
b. All personnel, while on-site, must wear a plastic laminated photo identification badge that identifies person’s name and employer. Badges are to be computer produced with a font large enough to be clearly visible. The ID badge template will be made available to successful prime contractors. All costs associated with criminal background checks, e-verification and ID Badging are the responsibility of each Subcontractor.
c. This a contractual requirement applicable to all personnel and all lower-tier subcontractors. Delivery drivers may be exempt with prior written approval from Construction Manager; submit request in advance.
d. Construction Manager and Owner reserve their right to deny any individual access to job-site for any reasonable condition

10. Forklifts will not be allowed on finished slab on grade areas:
    a. Feed materials from the exterior
    b. Utilize pallet jacks to feed materials on finished slab areas where feeding from exterior is not feasible
    c. Scissor lifts and other non-marking equipment may be allowed upon review of Subcontractor’s erection plan with Construction Manager and receipt of written authorization thereof
11. Special Inspections are required on this project
    a. Refer to Specifications and Drawings for schedule of special inspection as well as any other applicable specifications sections
    b. Coordinate with special inspector, testing agencies, local inspectors and/or Engineer of Record as may be required
    c. Subcontractor shall be responsible for all costs (re-testing, corrective measures, repairs, etc.) at no additional cost to the project when its installation fails to meet compliance
    d. Owner and Construction Manager reserve the right to request additional testing in the event of significant or continual test failures
    e. Coordinate with Construction Manager for scheduling of inspections
12. Provide all traffic control, flagging, guides, signage, etc. as required for this scope
13. Subcontractor shall repair all land disturbances caused by equipment under this bid scope regardless of wet/dry conditions to include, but not limited to, repair of rutting, damages to erosion control measures, damage to temporary or permanent roads, curbing, etc.

    a. Restore all disturbed areas to equal or better condition than original
14. Maintain all roads, streets, parking, on-site and off-site roadways, etc. free and clear of any mud or debris created by this trade and its deliveries; clean-up shall occur immediately
    a. Sufficient personnel & equipment shall be on-site at all times to expedite this work
    b. Spillage of water, materials, etc. in public traffic areas shall be immediately cleaned
15. Inspect all substrates and conditions for suitability to receive work under this scope prior to starting work
    a. Advise Construction Manager immediately in writing of any deficiencies or issues
    b. Commencement of work guarantees acceptance of conditions
16. Daily cleanup of debris caused by this work
17. Furnish all ladders, lifts, shoring, scaffolding, etc. as required for this work
18. Furnish all supplemental lighting and power as required for this scope
19. Include field measure of all work in this bid scope prior to fabrication
20. Include all necessary mobilizations, multiple crews and equipment, night and weekend shifts as required or directed by Construction Manager to complete the work
21. Protect all work under this scope from damage until accepted by Owner
22. Protect adjacent surfaces from damage by this scope of work
    a. Any damage to adjacent surfaces or work during execution of this scope shall be repaired or replaced by this Subcontractor at no additional cost to Construction Manager
    b. Repairs shall be finished to match existing or adjacent construction
    c. Patch and repair all building finishes, structural components or other appurtenances that are removed or damaged as a result of performance of this scope. Repair work shall include finishes, components, substructure and materials required for the installation of such work in accordance with standard practices and shall be finished to match existing or adjacent conditions.
    d. Protect roadways and parking areas from damage caused by loading, unloading & staging of materials and equipment, hoisting & lifting activities, cranes, etc. All repair costs shall be borne by subcontractor responsible for said damages.
23. Subcontractor is responsible for all corrective repairs resulting from its defective workmanship
24. All corrective and repair work shall be performed within 24-hours after notification and shall be accepted prior to payment issuance to Subcontractor for said work performed
25. OSHA Safety measures shall be required and implemented
26. Provide all warranties, guarantees, service agreements, O&M, training, etc. as required
27. Provide all extra materials as required
28. Pricing firm, not subject to escalation for duration of project

SPECIFIC EXCLUSIONS

1. Interior Wood blocking; coordinate installation with BP-01A General Trades

ALLOWANCES

#1	Drywall patch & repair	**25 hours**
#2	Access Doors, 24” x 24”	**5 each**

UNIT PRICES

UP-01	Drywall patch & repair	**$ / Hour**
UP-02	Access Doors, 24” x 24”	**$ / Each**

ALTERNATES

Not Applicable

Subcontractor Scope of Work
Exhibit A

The Coast Academy
Job No. 1953

BP 09B - Hard Tile

This bid package is intended to be complementary to the Contract Documents including the Project Drawings, Specifications, Addendum, and Project Manual. Subcontractor acknowledges that the Subcontractor Specific Requirements are not intended to describe the complete and final work scope. Reference is made to the Specifications Sections, but is in no way intended to limit or alter the intent of the contract documents.

Subcontractor shall perform all work and shall furnish all layout, supervision, materials, labor, scaffolding, tools, equipment, supplies, services, rigging, craning and hoisting of all materials and equipment, temporary protection of own work, coordination of own work and interaction of work of others, home office and field administration, project management, scheduling, field supervision, engineering, quality control, safety, taxes, insurances, permits, punch list, closeouts and all other things necessary or reasonably incidental for the construction and completion of their work as portrayed in the enclosed enumerated contract documents and specification sections as referenced below:

SUBCONTRACTOR'S WORK SPECIFICALLY INCLUDES:

Bordeaux Bidding Requirements and Information 4/27/2020

Division 01 – General Requirements
Division 09 – Finishes
Section 093000 Tiling

All Related Sections/Requirements referenced within each Division and/or section

SUBCONTRACTOR SPECIFIC REQUIREMENTS:

1. BP-01 General Inclusion Items as applicable to complete Work
2. Complete installation of work in this bid scope in accordance with all local, state and federal (OSHA) safety regulations and/or requirements.
3. Complete installation as outlined in the Construction Documents and within this scope package
4. Dispose of all trash and waste materials in dumpster provided by Construction Manager.
5. The following is a general outline of the items specifically included, but not limited to, in this bid scope:
    a. Furnish all labor, material, equipment, accessories, etc. to make a complete installation of all Hard Tile:
        i. Tile base and walls
        ii. Crack isolation membrane

iii. Waterproofing membrane
iv. Elastomeric sealants

b. Include color selection for tiling from manufacturer's full line of colors as specified, no upcharge for colors will be accepted
c. Include grout sealer on all cementitious grout as specified
d. Grout to be epoxy grout as specified, unless noted otherwise
e. Provide waterproofing membrane for all showers as required
    i. Prep all corners, drains, cracks, etc. in accordance with manufacturer recommendations
f. Prepare and clean substrates to include all patching and crack control (membrane, crack suppression, control joints), etc. as required to receive new materials
    i. Substrate preparation shall be sufficient to prohibit the transmission of any defects or deficiencies
    ii. Corrective action required to mitigate said defects or deficiencies shall be borne by this Subcontractor at no additional cost to the project
g. Include cleaning of tile work prior to installing protection board
h. Include final cleaning of tilework prior to Owner acceptance

6. Site Access Requirements

Subcontractor must conduct a 50-state background check and e-verify compliance for all personnel associated with the project

a. Submit completed Exhibit L—Lunsford Act & E-verify documentation to Construction Manager for Owner review and approval in advance of worker arriving on-site; same day approval **cannot** be granted.
b. All personnel, while on-site, must wear a plastic laminated photo identification badge that identifies person's name and employer. Badges are to be computer produced with a font large enough to be clearly visible. The ID badge template will be made available to successful prime contractors. All costs associated with criminal background checks, e-verification and ID Badging are the responsibility of each Subcontractor.
c. This a contractual requirement applicable to all personnel and all lower-tier subcontractors. Delivery drivers may be exempt with prior written approval from Construction Manager; submit request in advance.
d. Construction Manager and Owner reserve their right to deny any individual access to job-site for any reasonable condition

7. Inspect all substrates and conditions for suitability to receive work under this scope prior to starting work
    a. Advise Construction Manager immediately in writing of any deficiencies or issues
    b. Commencement of work guarantees acceptance of conditions
8. Daily cleanup of debris caused by this work
9. Furnish all ladders, lifts, shoring, scaffolding, etc. as required for this work
10. Furnish all supplemental lighting and power as required for this scope
11. Include field measure of all work in this bid scope prior to fabrication
12. Include all necessary mobilizations, multiple crews and equipment, night and weekend shifts as required or directed by Construction Manager to complete the work

13. Protect all work under this scope from damage until accepted by Owner
14. Protect adjacent surfaces from damage by this scope of work
    a. Any damage to adjacent surfaces or work during execution of this scope shall be repaired or replaced by this Subcontractor at no additional cost to Construction Manager
    b. Repairs shall be finished to match existing or adjacent construction
    c. Patch and repair all building finishes, structural components or other appurtenances that are removed or damaged as a result of performance of this scope. Repair work shall include finishes, components, substructure and materials required for the installation of such work in accordance with standard practices and shall be finished to match existing or adjacent conditions.
    d. Protect roadways and parking areas from damage caused by loading, unloading & staging of materials and equipment, hoisting & lifting activities, cranes, etc. All repair costs shall be borne by subcontractor responsible for said damages.
15. Subcontractor is responsible for all corrective repairs resulting from its defective workmanship
16. All corrective and repair work shall be performed within 24-hours after notification and shall be accepted prior to payment issuance to Subcontractor for said work performed
17. OSHA Safety measures shall be required and implemented
18. Provide all warranties, guarantees, service agreements, O&M, training, etc. as required
19. Provide all extra materials as required
20. Pricing firm, not subject to escalation for duration of project

SPECIFIC EXCLUSIONS

1. Cement backer board installed by BP-09A Drywall

ALLOWANCES

Not Applicable

UNIT PRICES

Not Applicable

ALTERNATES

Not Applicable

Subcontractor Scope of Work
Exhibit A

The Coast Academy
Job No. 1953

BP 09C - Acoustical Ceilings

This bid package is intended to be complementary to the Contract Documents including the Project Drawings, Specifications, Addendum, and Project Manual. Subcontractor acknowledges that the Subcontractor Specific Requirements are not intended to describe the complete and final work scope. Reference is made to the Specifications Sections, but is in no way intended to limit or alter the intent of the contract documents.

Subcontractor shall perform all work and shall furnish all layout, supervision, materials, labor, scaffolding, tools, equipment, supplies, services, rigging, craning and hoisting of all materials and equipment, temporary protection of own work, coordination of own work and interaction of work of others, home office and field administration, project management, scheduling, field supervision, engineering, quality control, safety, taxes, insurances, permits, punch list, closeouts and all other things necessary or reasonably incidental for the construction and completion of their work as portrayed in the enclosed enumerated contract documents and specification sections as referenced below:

SUBCONTRACTOR'S WORK SPECIFICALLY INCLUDES:

Bordeaux Bidding Requirements and Information 4/27/2020

Division 01 – General Requirements
Division 07 – Thermal & Moisture Protection

Section 07920	Joints and Sealants	(as it applies to this scope)

Division 09 – Finishes

Section 095113	Acoustical Panel Ceilings
Section 098433	Sound Absorbing Wall Units

All Related Sections/Requirements referenced within each Division and/or section

SUBCONTRACTOR SPECIFIC REQUIREMENTS:

1. BP-01 General Inclusion Items as applicable to complete Work
2. Complete installation of work in this bid scope in accordance with all local, state and federal (OSHA) safety regulations and/or requirements
3. Dispose of all trash and waste materials in dumpster provided by Construction Manager
4. Complete installation of the acoustical ceiling and wall panel systems as outlined in the Construction Documents and within this scope package
5. The following is a general outline of the items specifically included, but not limited to, in this bid scope:

a. Furnish & install new acoustical ceiling panels, suspension grid, hanger wires, edge molding, clips, anchors, fasteners, caulking and sealants, acoustical sealant, security sealants and other accessories as required
    i. Do not install small cut tile pieces (less than half of the width of the tile)
        1. Replacement of such pieces as deemed necessary by Construction Manager, Owner or Architect shall be borne by this Subcontractor
    ii. Include reflective ceiling expansion joints as required
    iii. Wires to be supported only from structure
        1. Do not attach wires to supports intended for equipment (duct, pipe, grilles, etc.) or light fixtures
    iv. Additional wire supports to grid only for light fixtures, grilles, dampers, etc. as required to meet code
        1. Wires to be supported from structure only
        2. Do not support ceiling grid from bridging or deck without written approval from Construction Manager
    v. Caulk moldings & trim along walls as required or where gaps exceed ¼"
    vi. Ceiling tiles shall have continuous internal finish or painted exposed edges/cuts
    vii. Touch-up suspension grid and trim where cuts are exposed; color to match
    viii. Include hold down clips as required
    ix. Coordinate with other trades for location of hangers, wires, sprinklers, lights, grilles, reveals, splices, mains and finish trim
    x. Install acoustical sealants as required
    xi. Include all delegated design requirements
    xii. Include all seismic control requirements
b. Furnish & install new acoustical wall panels, edge molding, clips, anchors, fasteners, caulking and sealants, acoustical sealants and other accessories as required
    i. Install all clips, Z-channel, fasteners, angles, mounting devices, fire-treated wood grounds, etc. for a complete acoustical wall panel installation
    ii. Include color selection for acoustical panels from manufacturer's full line of colors as specified, no upcharge for colors will be accepted
    iii. Furnish shop drawings showing layout of all joints and installation of acoustical panels
    iv. Coordinate all in-wall blocking required for this scope
    v. Furnish & install all wood grounds and furring as required for this scope
        1. Wood to be fire retardant treated
    vi. Protect wall panels from damage and dirt until Owner Acceptance
    vii. Clean acoustical wall panels at install completion and of any dust prior to final acceptance
    viii. Provide Basis-of Design for Sound Absorbing Wall Units
    ix. Provide acoustical wall panels as indicated
c. Allowances
    i. Include all stated allowances within this bid scope
    ii. Use of any allowance shall be as directed by Construction Manager and supported with sufficient documentation as required. Any work performed

without prior written authorization will be considered as a requirement to complete the scope of work in this bid package and at no cost to the project

iii. Include an **Allowance** for miscellaneous acoustical ceiling rework as directed by Construction Manager and based upon indicated Quantities and Unit Prices:
    1. **Include 25 man-hours for labor to rework ceilings**
    2. Include all requirements outlined within this bid package

6. **Site Access Requirements**

   Subcontractor must conduct a 50-state background check and e-verify compliance for all personnel associated with the project
   a. Submit completed Exhibit L—Lunsford Act & E-verify documentation to Construction Manager for Owner review and approval in advance of worker arriving on-site; same day approval **cannot** be granted.
   b. All personnel, while on-site, must wear a plastic laminated photo identification badge that identifies person's name and employer. Badges are to be computer produced with a font large enough to be clearly visible. The ID badge template will be made available to successful prime contractors. All costs associated with criminal background checks, e-verification and ID Badging are the responsibility of each Subcontractor.
   c. This a contractual requirement applicable to all personnel and all lower-tier subcontractors. Delivery drivers may be exempt with prior written approval from Construction Manager; submit request in advance.
   d. Construction Manager and Owner reserve their right to deny any individual access to job-site for any reasonable condition

7. Inspect all substrates and conditions for suitability to receive work under this scope prior to starting work
   a. Advise Construction Manager immediately in writing of any deficiencies or issues
   b. Commencement of work guarantees acceptance of conditions
8. Daily cleanup of debris caused by this work
9. Furnish all ladders, lifts, shoring, scaffolding, etc. as required for this work
10. Furnish all supplemental lighting and power as required for this scope
11. Include field measure of all work in this bid scope prior to fabrication
12. Include all necessary mobilizations, multiple crews and equipment, night and weekend shifts as required or directed by Construction Manager to complete the work
13. Protect all work under this scope from damage until accepted by Owner
14. Protect adjacent surfaces from damage by this scope of work
    a. Any damage to adjacent surfaces or work during execution of this scope shall be repaired or replaced by this Subcontractor at no additional cost to Construction Manager
    b. Repairs shall be finished to match existing or adjacent construction
    c. Patch and repair all building finishes, structural components or other appurtenances that are removed or damaged as a result of performance of this scope. Repair work shall include finishes, components, substructure and materials required for the

installation of such work in accordance with standard practices and shall be finished to match existing or adjacent conditions.

15. All corrective and repair work shall be performed within 24-hours after notification and shall be accepted prior to payment issuance to Subcontractor for said work performed
16. OSHA Safety measures shall be required and implemented
17. Provide all warranties, guarantees, service agreements, O&M, training, etc. as required
18. Provide all extra materials as required
19. Pricing firm, not subject to escalation for duration of project

SPECIFIC EXCLUSIONS

1. In-wall wood blocking installed by BP-01A General Trades

ALLOWANCES

#1	Additional labor	**25 hours**

Unit Prices:

UP-01	Labor rate	**$ / hour**

ALTERNATES

Not Applicable

Subcontractor Scope of Work
Exhibit A

The Coast Academy
Job No. 1953

BP 09D – Resilient Flooring

This bid package is intended to be complementary to the Contract Documents including the Project Drawings, Specifications, Addendum, and Project Manual. Subcontractor acknowledges that the Subcontractor Specific Requirements are not intended to describe the complete and final work scope. Reference is made to the Specifications Sections, but is in no way intended to limit or alter the intent of the contract documents.

Subcontractor shall perform all work and shall furnish all layout, supervision, materials, labor, scaffolding, tools, equipment, supplies, services, rigging, craning and hoisting of all materials and equipment, temporary protection of own work, coordination of own work and interaction of work of others, home office and field administration, project management, scheduling, field supervision, engineering, quality control, safety, taxes, insurances, permits, punch list, closeouts and all other things necessary or reasonably incidental for the construction and completion of their work as portrayed in the enclosed enumerated contract documents and specification sections as referenced below:

SUBCONTRACTOR'S WORK SPECIFICALLY INCLUDES:

Bordeaux Bidding Requirements and Information 4/27/2020

Division 01 – General Requirements
Division 07 – Thermal & Moisture Protection (as it applies to this scope)
Division 09 – Finishes

Section 096470	Wood Floor Refinishing
Section 096513	Resilient Base and Accessories
Section 096519	Resilient Tile Flooring

All Related Sections/Requirements referenced within each Division and/or section

SUBCONTRACTOR SPECIFIC REQUIREMENTS:

1. BP-01 General Inclusion Items as applicable to complete Work
2. Complete installation of work in this bid scope in accordance with all local, state and federal (OSHA) safety regulations and/or requirements
3. Dispose of all trash and waste materials in dumpster provided by Construction Manager
4. Complete installation as outlined in the Construction Documents and within this scope package
5. The following is a general outline of the items specifically included, but not limited to, in this bid scope:

a. Furnish all labor, material, equipment, accessories, etc. to make a complete installation of:
    i. **All resilient base**
    ii. All submittals and shop drawings
        1. Include select colors from manufacturer's full line of colors as specified, no upcharge will be accepted
    iii. All adhesives shall be No/Low VOC unless otherwise required
    iv. Resilient base shall be furnished in rolls
    v. Do not install small cut-tile pieces or short base pieces
        1. Replacement of such pieces as deemed necessary by Construction Manager, Owner or Architect shall be borne by this Subcontractor
    vi. Prepare and clean substrates as required
b. Furnish all labor, material, equipment, accessories, etc. to make a complete installation of all **wood floor refinishing**:
    i. Include saw cutting and removal of wood flooring for new drywall partitions and new concrete topping slab (HVAC & Laundry rooms)
        1. Use guides to ensure straight cuts
        2. Avoid overcutting floor at cross-cuts
        3. Minimize gaps between existing floor and new partition walls
        4. Coordinate with BP-09A Drywall for layout
        5. Concrete topping slab shall transition under/behind new doors so as not to be visible when door is closed
    ii. Support ends of opened floor as required
    iii. Infill door and passage openings in new partition walls with wood flooring as required
    iv. Infill new door opening with wood flooring; include concrete subfloor as required (refer to Details A3 & A5/A-503)
c. Perform initial cleaning to remove adhesives and other blemishes from surfaces
d. Properly dispose of all chemicals, empty containers & packaging, etc. off-site as part of this scope. Said waste material shall not be disposed of in general construction debris dumpster

6. Additional Requirements for Alternate C-2:

a. Furnish all labor, material, equipment, accessories, transition strips, etc. to make a complete installation of all **resilient flooring**:
    i. Include all submittals and shop drawing requirements
        1. Provide shop drawings for tile pattern layout
        2. Include selection of colors from manufacturer's full line of colors as specified, no upcharge will be accepted
    ii. Provide adhesives which accommodate high internal relative humidity (<95% RH), moisture evaporation rate (<3psf) and/or alkalinity of the substrate as recommended by manufacturer
    iii. All adhesives shall be No/Low VOC unless otherwise required
b. Do not install small cut-tile pieces or short base pieces
    i. Replacement of such pieces as deemed necessary by Construction Manager, Owner or Architect shall be borne by this Subcontractor

c. Prepare and clean substrates to include all floor patching, repair, leveling, crack control (membrane, crack suppression, control joints), etc. as required to receive new flooring materials
    i. Substrate preparation shall include surface abrasion as required to remove existing finish, adhesives, high spots, etc.
        1. Notify Construction Manager prior to proceeding with any additional scope work
    ii. Substrate preparation shall be sufficient to prohibit the transmission of any defects or deficiencies
    iii. Corrective action required to mitigate said defects or deficiencies shall be borne by this Subcontractor at no additional cost to the project
d. Perform and document to Construction Manager alkalinity, adhesion and moisture testing as required in accordance with manufacturer's written recommendations and instructions:
    i. Subcontractor to install moisture reading points in accordance with ASTM F 2170-11
    ii. Perform one (1) test for every 200 sf of flooring installed or sufficient quantity to verify suitability to proceed with flooring
        1. Perform tests so that each test area does not exceed 200 SF
        2. Minimum two (2) tests per installation area, evenly representative
        3. Submit test results along with any trending information to Construction Manager prior to proceeding with flooring installation
    iii. Anhydrous Calcium Chloride tests will not be accepted; use in-situ probe tests only
e. Include all requirements outlined within this bid package

7. Site Access Requirements

Subcontractor must conduct a 50-state background check and e-verify compliance for all personnel associated with the project

a. Submit completed Exhibit L—Lunsford Act & E-verify documentation to Construction Manager for Owner review and approval in advance of worker arriving on-site; same day approval **cannot** be granted.
b. All personnel, while on-site, must wear a plastic laminated photo identification badge that identifies person's name and employer. Badges are to be computer produced with a font large enough to be clearly visible. The ID badge template will be made available to successful prime contractors. All costs associated with criminal background checks, e-verification and ID Badging are the responsibility of each Subcontractor.
c. This a contractual requirement applicable to all personnel and all lower-tier subcontractors. Delivery drivers may be exempt with prior written approval from Construction Manager; submit request in advance.
d. Construction Manager and Owner reserve their right to deny any individual access to job-site for any reasonable condition

8. Inspect all substrates and conditions for suitability to receive work under this scope prior to starting work

a. Advise Construction Manager immediately in writing of any deficiencies or issues
b. Commencement of work guarantees acceptance of conditions

9. Daily cleanup of debris caused by this work
10. Furnish all ladders, lifts, shoring, scaffolding, etc. as required for this work
11. Furnish all supplemental lighting and power as required for this scope
12. Include field measure of all work in this bid scope prior to fabrication
13. Include all necessary mobilizations, multiple crews and equipment, night and weekend shifts as required or directed by Construction Manager to complete the work
14. Protect all work under this scope from damage until accepted by Owner
15. Protect adjacent surfaces from damage by this scope of work
    a. Any damage to adjacent surfaces or work during execution of this scope shall be repaired or replaced by this Subcontractor at no additional cost to Construction Manager
    b. Repairs shall be finished to match existing or adjacent construction
    c. Patch and repair all building finishes, structural components or other appurtenances that are removed or damaged as a result of performance of this scope. Repair work shall include finishes, components, substructure and materials required for the installation of such work in accordance with standard practices and shall be finished to match existing or adjacent conditions.
    d. Protect roadways and parking areas from damage caused by loading, unloading & staging of materials and equipment, hoisting & lifting activities, cranes, etc. All repair costs shall be borne by subcontractor responsible for said damages.
16. Subcontractor is responsible for all corrective repairs resulting from its defective workmanship
17. All corrective and repair work shall be performed within 24-hours after notification and shall be accepted prior to payment issuance to Subcontractor for said work performed
18. OSHA Safety measures shall be required and implemented
19. Provide all warranties, guarantees, service agreements, O&M, training, etc. as required
20. Provide all extra materials as required
21. Pricing firm, not subject to escalation for duration of project

SPECIFIC EXCLUSIONS

1. Polished and Sealed Concrete by BP-09F
2. Floor polishing and waxing provided by BP-01A Final Cleaning

ALLOWANCES

Not Applicable

UNIT PRICES

Not Applicable

ALTERNATES

Alternate C-2, Automotive Center—Resilient Flooring (VCT), if selected by Owner, shall include any specific or special requirements, above and beyond that of the base bid, to support the indicated Alternate scope:

- **Base Bid:** Provide a complete installation of polished concrete floors and associated resilient base in Classroom 102 and Office 108 as required to support the project
- **Alternate:** Provide a complete installation of resilient flooring (VCT) and associated base in Classroom 102 and Office 108 in lieu of designated polished concrete flooring
- If there is no cost difference between Base Bid and Alternate, then Alternate C-2 bid shall be "No Cost"; otherwise, indicate the net cost difference to provide Alternate scope
- Include all requirements outlined within this bid package

Subcontractor Scope of Work
Exhibit A

The Coast Academy
Job No. 1953

BP 09F – Polished Concrete Flooring

This bid package is intended to be complementary to the Contract Documents including the Project Drawings, Specifications, Addendum, and Project Manual. Subcontractor acknowledges that the Subcontractor Specific Requirements are not intended to describe the complete and final work scope. Reference is made to the Specifications Sections, but is in no way intended to limit or alter the intent of the contract documents.

Subcontractor shall perform all work and shall furnish all layout, supervision, materials, labor, scaffolding, tools, equipment, supplies, services, rigging, craning and hoisting of all materials and equipment, temporary protection of own work, coordination of own work and interaction of work of others, home office and field administration, project management, scheduling, field supervision, engineering, quality control, safety, taxes, insurances, permits, punch list, closeouts and all other things necessary or reasonably incidental for the construction and completion of their work as portrayed in the enclosed enumerated contract documents and specification sections as referenced below:

SUBCONTRACTOR'S WORK SPECIFICALLY INCLUDES:

Bordeaux Bidding Requirements and Information 4/27/2020

Division 01 – General Requirements
Division 03 – Concrete
Section 033543 Polished Concrete Finishing
Division 07 – Thermal & Moisture Protection
Section 079200 Joint Sealants (as it applies to this scope)

All Related Sections/Requirements referenced within each Division and/or section

SUBCONTRACTOR SPECIFIC REQUIREMENTS:

1. BP-01 General Inclusion Items as applicable to complete Work
2. Complete installation of work in this bid scope in accordance with all local, state and federal (OSHA) safety regulations and/or requirements
3. Dispose of all trash and waste materials in dumpster provided by Construction Manager
4. Complete installation as outlined in the Construction Documents and within this scope package
5. The following is a general outline of the items specifically included, but not limited to, in this bid scope:
    a. Furnish all labor, material, equipment, accessories, etc. to make a complete installation of:

i. Polished Concrete Floor Finishing
ii. Concrete Floor Marking Tape
iii. Concrete Floor Joint Sealants

b. Include all specified penetrating dyes, penetrating liquid floor treatments, joint fillers, conditioners, stain guards, hardeners, etc.
c. Include decorative scoring as indicated in Construction Documents
d. Include re-sawing, preparation and filling of all concrete joints where specified finish is to be sealed or polished concrete
e. Include mock-ups as required to demonstrate aesthetic effects and set quality standards for materials and execution
    i. Mock-ups to be full-thickness and of sufficient size to demonstrate joints, surface color, pattern, texture, curing, standard of workmanship, etc.
    ii. Protect mock-ups for project duration; remove and properly dispose of mock-ups off-site at completion of project
f. Prepare and clean floor surfaces to remove all paint, spillages, trash, debris, markings, etc. to restore concrete slab to original condition
    i. Comply with manufacturer's instructions for preparation of substrates to receive floor sealer
    ii. Protect adjoining surfaces not to receive floor sealer and close off floor drains to prevent spillage and migration of liquid materials outside membrane area
g. Furnish and install all concrete floor marking tape as indicated on contract drawings
    i. Provide Basis-of-Design standard
    ii. Clean and prepare surfaces in accordance with manufacturer's written instructions
h. Furnish and install floor protection of all flooring installed under this bid scope
    i. Tape all seams in floor protection, coordinate installation with Construction Manager
    ii. Floor protection to be Ram Board or equivalent and to remain in place until substantial completion
    iii. Floor protection to be removed under BP-01B, Final Cleaning
    iv. Review finished product with Construction Manager prior to covering floors
    v. Install barrier tape to isolate areas during "curing" period after placement
    vi. Include sweeping of polished floors just prior to Owner Acceptance
i. Submit physical samples in accordance with each specification section. Polished floor samples shall be installed on mockups on-site for final approval as specified
j. Include cost for any generator to power polishing equipment on mockups
k. Properly dispose of all chemicals, empty containers & packaging, product residues, dry dust, etc. off-site as part of this scope. Said waste material shall not to be disposed of in general construction debris dumpster

6. Site Access Requirements

Subcontractor must conduct a 50-state background check and e-verify compliance for all personnel associated with the project

a. Submit completed Exhibit L—Lunsford Act & E-verify documentation to Construction Manager for Owner review and approval in advance of worker arriving on-site; same day approval **cannot** be granted.

b. All personnel, while on-site, must wear a plastic laminated photo identification badge that identifies person's name and employer. Badges are to be computer produced with a font large enough to be clearly visible. The ID badge template will be made available to successful prime contractors. All costs associated with criminal background checks, e-verification and ID Badging are the responsibility of each Subcontractor.
c. This a contractual requirement applicable to all personnel and all lower-tier subcontractors. Delivery drivers may be exempt with prior written approval from Construction Manager; submit request in advance.
d. Construction Manager and Owner reserve their right to deny any individual access to job-site for any reasonable condition

7. Inspect all substrates and conditions for suitability to receive work under this scope prior to starting work
    a. Advise Construction Manager immediately in writing of any deficiencies or issues
    b. Commencement of work guarantees acceptance of conditions
8. Daily cleanup of debris caused by this work
9. Furnish all ladders, lifts, shoring, scaffolding, etc. as required for this work
10. Furnish all supplemental lighting and power as required for this scope
    a. BP-26A to provide electrical pigtails required for floor polishing
    b. Coordinate location of power requirements with BP-26A
11. Include field measure of all work in this bid scope prior to fabrication
12. Include all necessary mobilizations, multiple crews and equipment, night and weekend shifts as required or directed by Construction Manager to complete the work
13. Protect all work under this scope from damage until accepted by Owner
14. Protect adjacent surfaces from damage by this scope of work
    a. Any damage to adjacent surfaces or work during execution of this scope shall be repaired or replaced by this Subcontractor at no additional cost to Construction Manager
    b. Repairs shall be finished to match existing or adjacent construction
    c. Patch and repair all building finishes, structural components or other appurtenances that are removed or damaged as a result of performance of this scope. Repair work shall include finishes, components, substructure and materials required for the installation of such work in accordance with standard practices and shall be finished to match existing or adjacent conditions.
    d. Protect roadways and parking areas from damage caused by loading, unloading & staging of materials and equipment, hoisting & lifting activities, cranes, etc. All repair costs shall be borne by subcontractor responsible for said damages.
15. Subcontractor is responsible for all corrective repairs resulting from its defective workmanship
16. All corrective and repair work shall be performed within 24-hours after notification and shall be accepted prior to payment issuance to Subcontractor for said work performed
17. OSHA Safety measures shall be required and implemented
18. Provide all warranties, guarantees, service agreements, O&M, training, etc. as required
19. Provide all extra materials as required

20. Pricing firm, not subject to escalation for duration of project

SPECIFIC EXCLUSIONS

1. Caulking & joint sealants for exterior concrete pavements
2. Caulking & joint sealants for interior concrete slabs unless otherwise noted above
3. Sealed concrete floors provided under BP-09G Painting

ALLOWANCES

Not Applicable

UNIT PRICES

Not Applicable

ALTERNATES

Alternate C-2, Automotive Center—Resilient Flooring (VCT), if selected by Owner, shall include any specific or special requirements, above and beyond that of the base bid, to support the indicated Alternate scope:

- **Base Bid:** Provide a complete installation of polished concrete floors in Classroom 102 and Office 108 as required to support the project
- **Alternate:** Provide a complete installation of resilient flooring (VCT) in Classroom 102 and Office 108 in lieu of designated polished concrete flooring
- If there is no cost difference between Base Bid and Alternate, then Alternate C-2 bid shall be "No Cost"; otherwise, indicate the net cost difference to provide Alternate scope
- Include all requirements outlined within this bid package

Subcontractor Scope of Work
Exhibit A

The Coast Academy
Job No. 1953

BP 09G - Painting

This bid package is intended to be complementary to the Contract Documents including the Project Drawings, Specifications, Addendum, and Project Manual. Subcontractor acknowledges that the Subcontractor Specific Requirements are not intended to describe the complete and final work scope. Reference is made to the Specifications Sections, but is in no way intended to limit or alter the intent of the contract documents.

Subcontractor shall perform all work and shall furnish all layout, supervision, materials, labor, scaffolding, tools, equipment, supplies, services, rigging, craning and hoisting of all materials and equipment, temporary protection of own work, coordination of own work and interaction of work of others, home office and field administration, project management, scheduling, field supervision, engineering, quality control, safety, taxes, insurances, permits, punch list, closeouts and all other things necessary or reasonably incidental for the construction and completion of their work as portrayed in the enclosed enumerated contract documents and specification sections as referenced below:

SUBCONTRACTOR'S WORK SPECIFICALLY INCLUDES:

Bordeaux Bidding Requirements and Information 4/27/2020

Division 01 – General Requirements		
Division 05 – Metals		(as it applies to this scope)
Division 07 – Thermal and Moisture Protection		
Section 079200	Joint Sealants	(as it applies to this scope)
Division 08 – Openings		(as it applies to this scope)
Division 09 – Finishes		
Section 092900	Gypsum Board	(as it applies to this scope)
Section 099100	Interior Painting	
Section 099600	High-Performance Coatings	
Divisions 21 – 28		(as it relates to this scope)
Fire Suppression, Plumbing, Mechanical, Electrical, Communications and Electronic Safety & Security		

All Related Sections/Requirements referenced within each Division and/or section

SUBCONTRACTOR SPECIFIC REQUIREMENTS:

1. BP-01 General Inclusion Items as applicable to complete Work
2. The on-site foreman or superintendent for this work scope shall have a cellular service enabled iPad with iOS 10.2.1 or later and equipped with a durable LifeProof protective case

or equivalent. The iPad shall have the latest version of the Procore Construction Management Software application installed in order to have all live project documents, drawings, submittals, etc. in hand and immediately accessible.

3. Complete installation of work in this bid scope in accordance with all local, state and federal (OSHA) safety regulations and/or requirements
4. Dispose of all trash and waste materials in dumpster provided by Construction Manager
5. Complete installation as outlined in the construction documents and within this scope package
6. The following is a general outline of the items specifically included, but not limited to, in this bid scope:
    a. Furnish all labor, material, equipment, accessories, etc. to make a complete installation of **all interior and exterior painting and coatings:**
        i. Include all GWB assemblies, concrete/masonry to receive paint, HM door frames, exposed MEP piping and duct, stairs, handrails, bollards, ladders, lintels, misc. steel, hard ceilings, interior and exterior metals, etc.
        ii. Painting of all interior ferrous metals shall be 3-coat catalyzed epoxy unless otherwise noted or called to remain unfinished; DTM paint shall not be used
        iii. Include field painting downspout boots to match downspout color as required
        iv. Include dryfall paint system as required
        v. Coordinate primer for compatibility with hot dip galvanized coating
        vi. Include all surface preparation in accordance with specifications and manufacturer's recommendations
        vii. Follow all product data and manufacturer's instructions
        viii. Provide complete range of colors
        ix. Include painting of all exposed bare and covered pipes, ducts, hangers, exposed steel, metal deck, etc. unless specifically noted otherwise
            1. Paint duct an accent color as specified
            2. Include painting identification (color coding) of all bare and insulated piping as specified
        x. Include painting all exposed gas piping, whether indicated or not
        xi. Include all accent walls, striping and multiple paint colors
        xii. Include all blockfill on masonry walls to receive painted finish
            1. Provide blockfill application to sufficiently blend repairs with adjacent surfaces at all CMU patch locations; blockfill must be back-rolled to ensure filling of voids
        xiii. Include stenciling and labeling of all fire-rated walls which will be painted under this bid scope
        xiv. Include "Painter's caulk" of all dissimilar materials receiving paint including, but not limited to, the following: All interior corners (GWB:GWB, GWB:CMU, CMU:CMU), tile to other surfaces, HM door frames to VCT or exposed flooring, HM door frames to CMU, access doors to GWB, etc. Painters caulk is generally determined to be caulking which does not require backer rod
        xv. Include painting of exposed wood furring and cementitious wood-fiber acoustical panels as required

xvi. Include all special coatings as required
xvii. Provide paint color samples (drawdowns) as required
xviii. Provide Final Paint Color Formulation Schedule
xix. Provide Field Samples of at least 100 SF for approval and acceptance by design team
xx. Paint HM frames by spraying; protect adjacent surfaces from overspray
xxi. Paint all tops and edges of door frames

b. All GWB & CMU walls are to be finished and pointed up, and ready for paint
    i. After point up is completed, Construction Manager will notify painter of suitability to proceed with primer/blockfill and 1st coat of paint
    ii. After 1st coat of paint and after permanent lights, Construction Manager will punch list GWB & CMU walls prior to final paint
    iii. Painter shall review condition of walls prior to applying final coat of paint and notify Construction Manager of suitability to complete painting
c. Do not paint over any code required label, ID tags, performance ratings, etc.
    i. Clean or replace as required
d. Properly dispose of all chemicals, empty containers & packaging, etc. off-site as part of this scope. Said waste material shall not to be disposed of in general construction debris dumpster
e. Include all cost associated with demonstration of specification compliance to include sampling and associated repairs
    i. Subcontractor shall be responsible for all costs (initial testing, re-testing, corrective measures, repairs, etc.) when its installation fails to meet compliance at no additional cost to the project
f. Paint wall surface full height, corner-to-corner at all patch locations
g. Provide supplemental ventilation as required to avoid impacting other trades with noxious odors
h. Perform and document to Construction Manager moisture testing as required to comply with contract documents and manufacturer's written recommendations and instructions
i. Do not dilute, thin or modify paint without advising Construction Manager
j. All conduit systems are to be color coded, pre-finished by others
k. Where finished floor is stained or polished concrete, protect floors from spills, overspray or damage during painting
l. Forklifts will not be allowed on finished slab on grade areas:
    i. Scissor lifts and other non-marking equipment may be allowed upon review of Subcontractor's erection plan with Construction Manager and receipt of written authorization thereof

7. Furnish all labor, material, equipment, accessories, etc. to make a complete installation of all patching, preparation and painting of surfaces associated with **Drawing AD-101 Demolition** notes:
    a. Include patching and painting of Kitchen finishes
    b. Include refinishing existing doors and frames
    c. Include Gym metal decking

d. Include all necessary and required CMU wall pointing and patching associated with removal of wall mounted items
    i. Include removal of all adhesives on walls
    ii. Assume 500 patch points
    iii. In-wall boxes will have cover plates; patch around boxes as required
e. Wood floor refinishing by BP-09D Resilient Floors

8. Furnish all labor, material, equipment, accessories, etc. to make a complete installation of **Concrete Floor Sealer**:
    a. Include Culinary Rooms C106 Laundry and C107 Mechanical
    b. Prepare and clean floor surfaces to remove all paint, spillages, trash, debris, markings, etc. to restore concrete slab to original condition
        i. Comply with manufacturer's instructions for preparation of substrates to receive floor sealer
    c. Protect adjoining surfaces not to receive floor sealer and close off floor drains to prevent spillage and migration of liquid materials outside application area
    d. Provide slip-resistant, clear penetrating sealing compounds on all floors indicated to be sealed
    e. Apply one coat of floor sealer after completion of MEP and finish trades as directed by Construction Manager
        i. 2nd coat of floor sealer shall be installed immediately prior to A/E inspection or as directed by Construction Manager
        ii. It is the intent to provide 2 coats minimum of floor sealer. Subcontractor shall include any cost to clean and apply second coat of floor sealer under this bid scope

9. Allowances

Include stated allowances within this bid scope

Use of any allowance shall be as directed by Construction Manager and supported with sufficient documentation as required. Any work performed without prior written authorization will be considered as a requirement to complete the scope of work in this bid package and at no cost to the project

a. Include an **Allowance** for **additional painting** as directed by Construction Manager, and shall be based upon indicated Quantities and Unit Prices:
    i. Additional painting is defined as miscellaneous touch-up after final completion and in addition to the requirements specified within this bid package
    ii. Include all requirements outlined within this bid package
    iii. Include 50 hours for said work

10. Site Access Requirements

Subcontractor must conduct a 50-state background check and e-verify compliance for all personnel associated with the project

a. Submit completed Exhibit L—Lunsford Act & E-verify documentation to Construction Manager for Owner review and approval in advance of worker arriving on-site; same day approval **cannot** be granted.
b. All personnel, while on-site, must wear a plastic laminated photo identification badge that identifies person's name and employer. Badges are to be computer

produced with a font large enough to be clearly visible. The ID badge template will be made available to successful prime contractors. All costs associated with criminal background checks, e-verification and ID Badging are the responsibility of each Subcontractor.

c. This a contractual requirement applicable to all personnel and all lower-tier subcontractors. Delivery drivers may be exempt with prior written approval from Construction Manager; submit request in advance.
d. Construction Manager and Owner reserve their right to deny any individual access to job-site for any reasonable condition

11. Provide all traffic control, flagging, guides, signage, etc. as required for this scope
12. Subcontractor shall repair all land disturbances caused by equipment under this bid scope regardless of wet/dry conditions to include, but not limited to, repair of rutting, damages to erosion control measures, damage to temporary or permanent roads, curbing, etc.
    a. Restore all disturbed areas to equal or better condition than original
13. Maintain all roads, streets, parking, on-site and off-site roadways, etc. free and clear of any mud or debris created by this trade and its deliveries; clean-up shall occur immediately
    a. Sufficient personnel & equipment shall be on-site at all times to expedite this work
    b. Spillage of water, materials, etc. in public traffic areas shall be immediately cleaned
14. Inspect all substrates and conditions for suitability to receive work under this scope prior to starting work
    a. Advise Construction Manager immediately in writing of any deficiencies or issue
    b. Commencement of work guarantees acceptance of conditions
15. Daily clean-up of all trash and debris caused by this work
16. Furnish all ladders, lifts, shoring, scaffolding, etc. as required for this work
17. Furnish all supplemental lighting and power as required for this scope
18. Include field measure of all work in this bid scope prior to fabrication
19. Include all necessary mobilizations, multiple crews and equipment, night and weekend shifts as required or directed by Construction Manager to complete the work
20. Protect all work under this scope from damage until accepted by Owner
    a. Protect adjacent surfaces from damage by this scope of work. Any damage to adjacent surfaces or work during execution of this scope shall be repaired or replaced by this Subcontractor at no additional cost to Construction Manager
    b. Repairs shall be finished to match existing or adjacent construction
    c. Patch and repair all building finishes, structural components or other appurtenances that are removed or damaged as a result of performance of this scope. Repair work shall include finishes, components, substructure and materials required for the installation of such work in accordance with standard practices and shall be finished to match existing or adjacent conditions.
    d. Protect roadways and parking areas from damage caused by loading, unloading & staging of materials and equipment, hoisting & lifting activities, cranes, etc. All repair costs shall be borne by subcontractor responsible for said damages.
21. Subcontractor is responsible for all corrective repairs resulting from its defective workmanship

22. All corrective and repair work shall be performed within 24-hours after notification and shall be accepted prior to payment issuance to Subcontractor for said work performed
23. OSHA Safety measures shall be required and implemented
    a. Delivery drivers shall wear proper PPE while on site (staging, off-loading, etc.)
24. Project planning, to include, but not limited to
    a. Participation in development of Master Construction Schedule
    b. Submit a Job Hazardous Analysis (JHA) for each definable feature of work in advance of work start
    c. Participation by foreman and all workers in a Preparatory Meeting to review JHA, safety requirements, proposed work, approved submittals and other applicable construction documents prior to starting work
25. Provide all warranties, guarantees, extended service agreements, training, etc. as required
26. Pricing is firm, not subject to escalation for duration of project

SPECIFIC EXCLUSIONS

1. Finishing wood floors
2. Polished concrete flooring provided under BP-09F
3. Floor marking tape

ALLOWANCES

#1	Additional touch-up painting	**50 hours**

UNIT PRICES

UP-01	Additional touch-up painting	**$ / Hour**

ALTERNATES

Not Applicable

Subcontractor Scope of Work
Exhibit A

The Coast Academy
Job No. 1953

BP-10A Specialties

This bid package is intended to be complementary to the Contract Documents including the Project Drawings, Specifications, Addendum, and Project Manual. Subcontractor acknowledges that the Subcontractor Specific Requirements are not intended to describe the complete and final work scope. Reference is made to the Specifications Sections, but is in no way intended to limit or alter the intent of the contract documents.

Subcontractor shall perform all work and shall furnish all layout, supervision, materials, labor, scaffolding, tools, equipment, supplies, services, rigging, craning and hoisting of all materials and equipment, temporary protection of own work, coordination of own work and interaction of work of others, home office and field administration, project management, scheduling, field supervision, engineering, quality control, safety, taxes, insurances, permits, punch list, closeouts and all other things necessary or reasonably incidental for the construction and completion of their work as portrayed in the enclosed enumerated contract documents and specification sections as referenced below:

SUBCONTRACTOR'S WORK SPECIFICALLY INCLUDES:

Bordeaux Bidding Requirements and Information 4/27/2020

Division 01 – General Requirements
Division 10 –Specialties

Section 101100	Visual Display Surfaces
Section 102800	Toilet Accessories
Section 104400	Fire Protection Specialties
Section 105113	Metal Lockers
Section 105613	Metal Storage Shelving

Division 11 – Equipment

Section 113013	Residential Appliances
Section 115700	Vocational Shop Equipment

All Related Sections/Requirements referenced within each Division and/or section

SUBCONTRACTOR SPECIFIC REQUIREMENTS:

1. BP-01 General Inclusion Items as applicable to complete Work
2. Complete installation of work in this bid scope in accordance with all local, state and federal (OSHA) safety regulations and/or requirements.

3. Complete installation as outlined in the Construction Documents and within this scope package
4. Dispose of all trash and waste materials in dumpster provided by Construction Manager
5. The following is a general outline of the items specifically included, but not limited to, in this bid scope:

    a. Furnish all labor, materials, equipment, anchors, fasteners, caulking, sealants and other accessories as required to make a complete installation of various Interior Specialties:
        i. Visual Display Surfaces
            1. Marker Boards
            2. Tackboards & Strips
            3. Visual Display Boards
            4. Monitors (OFCI)
            5. All accessories, trim, chalk trays, map rails, hangers, fasteners, etc.
        ii. Toilet Accessories
            1. Include receipt, handling & installation of Owner Furnished items as noted
        iii. Fire Extinguishers & Fire Extinguisher Cabinets
            1. Include lettering & labeling as required
            2. Include FE certification as required
        iv. Residential Appliances (Washer & Dryer)
            1. Include water hook-up with installation
            2. Include dryer hook-up with installation
            3. Coordinate dryer venting requirements with BP-23A Mechanical
            4. Coordinate water, venting & power rough-ins with respective trades
        v. Flammable Storage Cabinet (Drawing A-101)
        vi. Metal Storage Shelving (Drawing A-101)
        vii. Metal Lockers
            1. Furnish all project requirements for metal lockers including, but not limited to, sloping tops, filler panels, metal bases, ID plaques, or any other accessories required for a complete locker installation
            2. Provide colors as specified from manufacturer's full line, no upcharge for colors within full line will be considered
            3. Furnish all project requirements for floor-mounted pedestal benches
            4. Provide all mounting hardware, fasteners, anchors, full-height continuous wall brackets, accessories, trim, etc. as required to make a complete installation
        viii. Include all stated allowances outlined within this bid package
    b. Remove all labels and stickers at time of installation
    c. All shipping & transportation to be FOB job-site
    d. Coordinate all blocking requirements with BP-01A General Trades and 09A GWB
    e. Coordinate rough-in dimensions in CMU and GWB for all semi-recessed items furnished & installed under this bid package. Include minor saw cut, removal and

patch of any CMU or GWB as required to install recessed or semi-recessed items under this bid package.

6. **Allowances**

   Use of any allowance shall be as directed by Construction Manager and supported with sufficient documentation as required. Any work performed without prior written authorization will be considered as a requirement to complete the scope of work in this bid package and at no cost to the project

   a. Include an **Allowance for designated scope and quantity**, installed as directed by Construction Manager and shall be based upon indicated Quantities and Unit Prices:
      i. **Allowance #1:** Install a semi-recessed fire extinguisher cabinet with 10# ABC fire extinguisher in GWB partitions as directed by Architect, Owner and/or AHJ, **two (2) each**
      ii. **Allowance #2:** Install a bracket-mounted 10# ABC fire extinguisher as directed by Architect, Owner and/or AHJ, **two (2) each**
      iii. Include all requirements within this bid package

7. **Site Access Requirements**

   Subcontractor must conduct a 50-state background check and e-verify compliance for all personnel associated with the project

   a. Submit completed Exhibit L—Lunsford Act & E-verify documentation to Construction Manager for Owner review and approval in advance of worker arriving on-site; same day approval **cannot** be granted.
   b. All personnel, while on-site, must wear a plastic laminated photo identification badge that identifies person's name and employer. Badges are to be computer produced with a font large enough to be clearly visible. The ID badge template will be made available to successful prime contractors. All costs associated with criminal background checks, e-verification and ID Badging are the responsibility of each Subcontractor.
   c. This a contractual requirement applicable to all personnel and all lower-tier subcontractors. Delivery drivers may be exempt with prior written approval from Construction Manager; submit request in advance.
   d. Construction Manager and Owner reserve their right to deny any individual access to job-site for any reasonable condition

8. Inspect all substrates and conditions for suitability to receive work under this scope prior to starting work
   a. Advise Construction Manager immediately in writing of any deficiencies or issues
   b. Commencement of work guarantees acceptance of conditions
9. Daily cleanup of debris caused by this work
10. Furnish all ladders, lifts, shoring, scaffolding, etc. as required for this work
11. Furnish all supplemental lighting and power as required for this scope
12. Include field measure of all work in this bid scope prior to fabrication
13. Include all necessary mobilizations, multiple crews and equipment, night and weekend shifts as required or directed by Construction Manager to complete the work
14. Protect all work under this scope from damage until accepted by Owner
15. Protect adjacent surfaces from damage by this scope of work

a. Any damage to adjacent surfaces or work during execution of this scope shall be repaired or replaced by this Subcontractor at no additional cost to Construction Manager
b. Repairs shall be finished to match existing or adjacent construction

16. Subcontractor is responsible for all corrective repairs resulting from its defective workmanship
17. All corrective and repair work shall be performed within 24-hours after notification and shall be accepted prior to payment issuance to Subcontractor for said work performed
18. OSHA Safety measures shall be required and implemented
19. Provide all warranties, guarantees, extended service agreements, training, etc. as required
20. Provide all extra materials as required
21. Pricing firm, not subject to escalation for duration of project

SPECIFIC EXCLUSIONS

1. Wood Blocking by BP-01A General Trades
2. Signage (101400) by BP-10C Signage
3. Acoustical panels (098433) by BP-09C Acoustical Ceilings

ALLOWANCES

#1	Install Fire Extinguisher & Cabinet	**2 each**
#2	Install bracket-mounted Fire Extinguisher	**2 each**

UNIT PRICES

UP-01	Fire Extinguisher & Cabinet	**$ / each**
UP-02	Fire Extinguisher (bracket mount)	**$ / each**

ALTERNATES

Not Applicable

Subcontractor Scope of Work
Exhibit A

The Coast Academy
Job No. 1953

BP 10C - Signage

This bid package is intended to be complementary to the Contract Documents including the Project Drawings, Specifications, Addendum, and Project Manual. Subcontractor acknowledges that the Subcontractor Specific Requirements are not intended to describe the complete and final work scope. Reference is made to the Specifications Sections, but is in no way intended to limit or alter the intent of the contract documents.

Subcontractor shall perform all work and shall furnish all layout, supervision, materials, labor, scaffolding, tools, equipment, supplies, services, rigging, craning and hoisting of all materials and equipment, temporary protection of own work, coordination of own work and interaction of work of others, home office and field administration, project management, scheduling, field supervision, engineering, quality control, safety, taxes, insurances, permits, punch list, closeouts and all other things necessary or reasonably incidental for the construction and completion of their work as portrayed in the enclosed enumerated contract documents and specification sections as referenced below:

SUBCONTRACTOR'S WORK SPECIFICALLY INCLUDES:

Bordeaux Bidding Requirements and Information 4/27/2020

Division 01 – General Requirements
Division 10 – Specialties

Section 101419	Dimensional Letter Signage
Section101400	Room-Identification Signage

All Related Sections/Requirements referenced within each Division and/or section

SUBCONTRACTOR SPECIFIC REQUIREMENTS:

1. BP-01 General Inclusion Items as applicable to complete Work
2. Complete installation of work in this bid scope in accordance with all local, state and federal (OSHA) safety regulations and/or requirements
3. Complete installation of Signage as outlined in the Construction Documents and within this scope package
4. Dispose of all trash and waste materials in dumpster provided by Construction Manager
5. The following is a general outline of the items specifically included, but not limited to, in this bid scope:
    a. Furnish all labor, material, equipment, adhesives, tape, fasteners and other accessories as required to make a complete installation of:
        i. Interior Panel signs

1. Restrooms with Pictograms (Types F-1, F-2 & F-3)
2. Room identification with inserts (Types A & D)
3. Room identification (Types B, C & E)
4. Egress Map (Type G)
5. Maximum Occupancy

ii. Miscellaneous/Specialty Signage
1. Fire Extinguisher (Type S)
2. Sprinkler Riser Room (Type Q)
3. FACP (Type O)
4. Project Sign

iii. Exterior Signage
1. Exterior Panel Signs
2. Building Mounted Directional Signage
3. Dimensional Characters

iv. Include all stated allowances as outlined within this bid scope

b. For signage with changeable message inserts:
   i. Include initial set of changeable message inserts as part of this scope
   ii. Provide Program template for message inserts for Owner's use
c. Provide colors as specified from manufacturer's full line; no upcharge for colors or special requirements within full line will be considered
d. For signage installed on glazing, furnish & install double-sided tape and blank-off panel on opposite side of glazing to match size and color
e. Include all cost associated with obtaining a complete and approved signage submittal as part of this scope
f. Include all cost associated with the Project Sign as outlined in Spec 015000-3.4-F; sign requirements to include custom colors, graphics & logos
g. Include all necessary mobilizations as required to complete work. No additional cost shall be accepted for separate mobilizations as may be required for field measurement or installation of site sign, building signage, vinyl letters, interior panel signs, & exterior panel signs. Requests for additional cost for separate mobilizations will not be accepted.

6. Allowances

Use of any allowance shall be as directed by Construction Manager and supported with sufficient documentation. Any work performed without prior written authorization will be considered as a requirement to complete the scope of work in this bid package and at no cost to the project.

a. Include an **Allowance for Supplemental Signage** installed as directed by Construction Manager and shall be based upon indicated Quantities and Unit Prices:
   i. Supplemental signage allowance is intended for Public safety and welfare to include updating egress maps in existing buildings and wayfinding around construction site. This signage is not currently indicated on Signage Schedule or outlined on drawings and is not related to typical construction signage.
   ii. Include all requirements outlined within this bid package
   iii. Include an **Allowance of $500** for said work

7. **Site Access Requirements**
   Subcontractor must conduct a 50-state background check and e-verify compliance for all personnel associated with the project
   a. Submit completed Exhibit L—Lunsford Act & E-verify documentation to Construction Manager for Owner review and approval in advance of worker arriving on-site; same day approval **cannot** be granted.
   b. All personnel, while on-site, must wear a plastic laminated photo identification badge that identifies person's name and employer. Badges are to be computer produced with a font large enough to be clearly visible. The ID badge template will be made available to successful prime contractors. All costs associated with criminal background checks, e-verification and ID Badging are the responsibility of each Subcontractor.
   c. This a contractual requirement applicable to all personnel and all lower-tier subcontractors. Delivery drivers may be exempt with prior written approval from Construction Manager; submit request in advance.
   d. Construction Manager and Owner reserve their right to deny any individual access to job-site for any reasonable condition

8. Inspect all substrates and conditions for suitability to receive work under this scope prior to starting work
   a. Advise Construction Manager immediately in writing of any deficiencies or issues
   b. Commencement of work guarantees acceptance of conditions
9. Daily cleanup of debris caused by this work
10. Furnish all ladders, lifts, shoring, scaffolding, etc. as required for this work
11. Furnish all supplemental lighting and power as required for this scope
12. Include field measure of all work in this bid scope prior to fabrication
13. Include all necessary mobilizations, multiple crews and equipment, night and weekends as required or directed by Construction Manager to complete the work
14. Protect all work under this scope from damage until accepted by Owner
15. Protect adjacent surfaces from damage by this scope of work
    a. Any damage to adjacent surfaces or work during execution of this scope shall be repaired or replaced by this Subcontractor at no additional cost to Construction Manager
    b. Repairs shall be finished to match existing or adjacent construction
16. Subcontractor is responsible for all corrective repairs resulting from its defective workmanship
17. All corrective and repair work shall be performed within 24-hours after notification and shall be accepted prior to payment issuance to Subcontractor for said work performed
18. OSHA Safety measures shall be required and implemented
19. Provide all warranties, guarantees, service agreements, O&M, training, etc. as required
20. Provide all extra materials as required
21. Pricing firm, not subject to escalation for duration of project

SPECIFIC EXCLUSIONS

1. Traffic signage (stop, handicap, yield, pedestrian crossing, etc.) by BP-31A Sitework
2. FDC and PIV signage by BP-31A Sitework

ALLOWANCES

#1	Supplemental Signage	**$500**

UNIT PRICES

Not Applicable

ALTERNATES

Not Applicable

Subcontractor Scope of Work
Exhibit A

The Coast Academy
Job No. 1953

BP 12A - Window Treatments

This bid package is intended to be complementary to the Contract Documents including the Project Drawings, Specifications, Addendum, and Project Manual. Subcontractor acknowledges that the Subcontractor Specific Requirements are not intended to describe the complete and final work scope. Reference is made to the Specifications Sections, but is in no way intended to limit or alter the intent of the contract documents.

Subcontractor shall perform all work and shall furnish all layout, supervision, materials, labor, scaffolding, tools, equipment, supplies, services, rigging, craning and hoisting of all materials and equipment, temporary protection of own work, coordination of own work and interaction of work of others, home office and field administration, project management, scheduling, field supervision, engineering, quality control, safety, taxes, insurances, permits, punch list, closeouts and all other things necessary or reasonably incidental for the construction and completion of their work as portrayed in the enclosed enumerated contract documents and specification sections as referenced below:

SUBCONTRACTOR'S WORK SPECIFICALLY INCLUDES:

Bordeaux Bidding Requirements and Information 4/27/2020

Division 01 – General Requirements
Division 12 – Furnishings
Section 122413 Roller Window Shades

All Related Sections/Requirements referenced within each Division and/or section

SUBCONTRACTOR SPECIFIC REQUIREMENTS:

1. BP-01 General Inclusion Items as applicable to complete Work
2. Complete installation of work in this bid scope in accordance with all local, state and federal (OSHA) safety regulations and/or requirements
3. Complete installation as outlined in the construction documents and within this scope package to include all insurances and taxes
4. Dispose of all trash and waste materials in dumpster provided by Construction Manager
5. The following is a general outline of the items specifically included, but not limited to, in this bid scope:
    a. Furnish and install labor, materials, equipment, anchors, fasteners, trims, caulking, etc. to make a complete installation of the specified window treatments:
        i. Manual-operated Roller Shades

ii. Provide colors as specified from manufacturer's full line, no upcharge for colors within full line will be considered

6. Site Access Requirements

Subcontractor must conduct a 50-state background check and e-verify compliance for all personnel associated with the project

a. Submit completed Exhibit L—Lunsford Act & E-verify documentation to Construction Manager for Owner review and approval in advance of worker arriving on-site; same day approval **cannot** be granted.
b. All personnel, while on-site, must wear a plastic laminated photo identification badge that identifies person's name and employer. Badges are to be computer produced with a font large enough to be clearly visible. The ID badge template will be made available to successful prime contractors. All costs associated with criminal background checks, e-verification and ID Badging are the responsibility of each Subcontractor.
c. This a contractual requirement applicable to all personnel and all lower-tier subcontractors. Delivery drivers may be exempt with prior written approval from Construction Manager; submit request in advance.
d. Construction Manager and Owner reserve their right to deny any individual access to job-site for any reasonable condition

7. Inspect all substrates and conditions for suitability to receive work under this scope prior to starting work
    a. Advise Construction Manager immediately in writing of any deficiencies or issue
    b. Commencement of work guarantees acceptance of conditions
8. Daily clean-up of all trash and debris caused by this work
9. Furnish all ladders, lifts, shoring, scaffolding, etc. as required for this work
10. Furnish all supplemental lighting and power as required for this scope
11. Include field measure of all work in this bid scope prior to fabrication
12. Include all necessary mobilizations, multiple crews and equipment, night and weekend shifts as required or directed by Construction Manager to complete the work. No additional cost will be accepted for separate mobilizations as may be required for field measurement, installation, testing or project phasing
13. Protect all work under this scope from damage until accepted by Owner
    a. Protect adjacent surfaces from damage by this scope of work Any damage to adjacent surfaces or work during execution of this scope shall be repaired or replaced by this Subcontractor at no additional cost to Construction Manager
    b. Repairs shall be finished to match existing or adjacent construction
    c. Patch and repair all building finishes, structural components or other appurtenances that are removed or damaged as a result of performance of this scope. Repair work shall include finishes, components, substructure and materials required for the installation of such work in accordance with standard practices and shall be finished to match existing or adjacent conditions.
    d. Protect roadways and parking areas from damage caused by loading, unloading & staging of materials and equipment, hoisting & lifting activities, cranes, etc. All repair costs shall be borne by subcontractor responsible for said damages.

14. Subcontractor is responsible for all corrective repairs resulting from its defective workmanship
15. All corrective and repair work shall be performed within 24-hours after notification and shall be accepted prior to payment issuance to Subcontractor for said work performed
16. OSHA Safety measures shall be required and implemented
    a. Delivery drivers shall wear proper PPE while on site (staging, off-loading, etc.)
17. Project planning, to include, but not limited to
    a. Participation in development of Master Construction Schedule
    b. Submit a Job Hazardous Analysis (JHA) for each definable feature of work in advance of work start
    c. Participation by foreman and all workers in a Preparatory Meeting to review JHA, safety requirements, proposed work, approved submittals and other applicable construction documents prior to starting work
18. Provide all warranties, guarantees, extended service agreements, training, etc. as required
19. Pricing is firm, not subject to escalation for duration of project

SPECIFIC EXCLUSIONS

Not Applicable

ALLOWANCES

Not Applicable

UNIT PRICES

Not Applicable

ALTERNATES

Not Applicable

Subcontractor Scope of Work
Exhibit A

The Coast Academy
Job No. 1953

BP 12B - Casework

This bid package is intended to be complementary to the Contract Documents including the Project Drawings, Specifications, Addendum, and Project Manual. Subcontractor acknowledges that the Subcontractor Specific Requirements are not intended to describe the complete and final work scope. Reference is made to the Specifications Sections, but is in no way intended to limit or alter the intent of the contract documents.

Subcontractor shall perform all work and shall furnish all layout, supervision, materials, labor, scaffolding, tools, equipment, supplies, services, rigging, craning and hoisting of all materials and equipment, temporary protection of own work, coordination of own work and interaction of work of others, home office and field administration, project management, scheduling, field supervision, engineering, quality control, safety, taxes, insurances, permits, punch list, closeouts and all other things necessary or reasonably incidental for the construction and completion of their work as portrayed in the enclosed enumerated contract documents and specification sections as referenced below:

SUBCONTRACTOR'S WORK SPECIFICALLY INCLUDES:

Bordeaux Bidding Requirements and Information 4/27/2020

Division 01 – General Requirements
Division 05 – Metals (as it applies to this scope)
Section 057500 Metal Fabrications
Division 06 – Wood, Plastics & Composites
Section 061053 Miscellaneous Rough Carpentry (as it applies to this scope)
Section 064219 Plastic-Laminate-Faced Wood Paneling
Division 07 – Thermal & Moisture Protection
Section 079200 Joint Sealants (as it applies to this scope)
Division 12 – Furnishings
Section 123661 Solid Surfacing Window Stools

All Related Sections/Requirements referenced within each Division and/or section

SUBCONTRACTOR SPECIFIC REQUIREMENTS:

1. BP-01 General Inclusion Items as applicable to complete Work
2. The on-site foreman or superintendent for this work scope shall have a cellular service enabled iPad with iOS 10.2.1 or later and equipped with a durable LifeProof protective case or equivalent. The iPad shall have the latest version of the Procore Construction

Management Software application installed in order to have all live project documents, drawings, submittals, etc. in hand and immediately accessible.

3. Complete installation of work in this bid scope in accordance with all local, state and federal (OSHA) safety regulations and/or requirements
4. Complete installation as outlined in the construction documents and within this scope package to include all insurances and taxes
5. Dispose of all trash and waste materials in dumpster provided by Construction Manager
6. The following is a general outline of the items specifically included, but not limited to, in this bid scope:
    a. Furnish all labor, materials, equipment, anchors, fasteners, metal trim & reveals, caulking and sealants and other accessories as required to make a complete installation of:
        i. Window stools and sills
        ii. Plastic-Laminate-Faced Wood Paneling
    b. Include select colors from Manufacturer's full line of colors and textures as specified; no upcharge will be accepted
    c. Include all furring, wood, shims, hanging strips, anchors, adhesives, etc. as required
    d. Include caulking of all finished surfaces to similar and dissimilar materials
    e. Include cut-outs for other trades; coordinate as required
    f. Include grommets at all openings and holes
    g. Clean all work provided under this bid scope at completion of installation; remove all stickers, labels, tags, etc.
    h. All work shall be installed free from scratches, chips, or dents. Review field repairs with Construction Manager prior to completing any repairs
    i. Coordinate in-wall blocking and metal furring channel with BP-01A General Trades and BP-09A Drywall as required

7. Site Access Requirements

Subcontractor must conduct a 50-state background check and e-verify compliance for all personnel associated with the project

a. Submit completed Exhibit L—Lunsford Act & E-verify documentation to Construction Manager for Owner review and approval in advance of worker arriving on-site; same day approval **cannot** be granted.
b. All personnel, while on-site, must wear a plastic laminated photo identification badge that identifies person's name and employer. Badges are to be computer produced with a font large enough to be clearly visible. The ID badge template will be made available to successful prime contractors. All costs associated with criminal background checks, e-verification and ID Badging are the responsibility of each Subcontractor.
c. This a contractual requirement applicable to all personnel and all lower-tier subcontractors. Delivery drivers may be exempt with prior written approval from Construction Manager; submit request in advance.
d. Construction Manager and Owner reserve their right to deny any individual access to job-site for any reasonable condition

8. Inspect all substrates and conditions for suitability to receive work under this scope prior to starting work
    a. Advise Construction Manager immediately in writing of any deficiencies or issues
    b. Commencement of work guarantees acceptance of conditions
9. Daily cleanup of debris caused by this work
10. Furnish all ladders, lifts, shoring, scaffolding, etc. as required for this work
11. Furnish all supplemental lighting and power as required for this scope
12. Include field measure of all work in this bid scope prior to fabrication
13. Include all necessary mobilizations, multiple crews and equipment, night and weekend shifts as required or directed by Construction Manager to complete the work
14. Protect all work under this scope from damage until accepted by Owner
15. Protect adjacent surfaces from damage by this scope of work
    a. Any damage to adjacent surfaces or work during execution of this scope shall be repaired or replaced by this Subcontractor at no additional cost to Construction Manager
    b. Repairs shall be finished to match existing or adjacent construction
    c. Patch and repair all building finishes, structural components or other appurtenances that are removed or damaged as a result of performance of this scope. Repair work shall include finishes, components, substructure and materials required for the installation of such work in accordance with standard practices and shall be finished to match existing or adjacent conditions.
    d. Protect roadways and parking areas from damage caused by loading, unloading & staging of materials and equipment, hoisting & lifting activities, cranes, etc. All repair costs shall be borne by subcontractor responsible for said damages.
16. Subcontractor is responsible for all corrective repairs resulting from its defective workmanship
17. All corrective and repair work shall be performed within 24-hours after notification and shall be accepted prior to payment issuance to Subcontractor for said work performed
18. OSHA Safety measures shall be required and implemented
19. Project planning, to include, but not limited to:
    a. Participation in development of Master Construction Schedule
    b. Submit a Job Hazardous Analysis (JHA) for each definable feature of work in advance of work start
    c. Participation by foreman and all workers in a Preparatory Meeting to review JHA, safety requirements, proposed work, approved submittals and other applicable construction documents prior to starting work
20. Provide all warranties, guarantees, service agreements, O&M, training, etc. as required
21. Provide all extra materials as required
22. Pricing is firm, not subject to escalation for duration of project

SPECIFIC EXCLUSIONS

1. In-wall wood blocking and metal furring channel strips

ALLOWANCES

Not Applicable

UNIT PRICES

Not Applicable

ALTERNATES

Not Applicable

Subcontractor Scope of Work
Exhibit A

The Coast Academy
Job No. 1953

BP 13B – Pre-Engineered Metal Building

This bid package is intended to be complementary to the Contract Documents including the Project Drawings, Specifications, Addendum, and Project Manual. Subcontractor acknowledges that the Subcontractor Specific Requirements are not intended to describe the complete and final work scope. Reference is made to the Specifications Sections, but is in no way intended to limit or alter the intent of the contract documents.

Subcontractor shall perform all work and shall furnish all layout, supervision, materials, labor, scaffolding, tools, equipment, supplies, services, rigging, craning and hoisting of all materials and equipment, temporary protection of own work, coordination of own work and interaction of work of others, home office and field administration, project management, scheduling, field supervision, engineering, quality control, safety, sales tax, insurances, permits, punch list, closeouts and all other things necessary or reasonably incidental for the construction and completion of their work as portrayed in the enclosed enumerated contract documents and specification sections as referenced below:

SUBCONTRACTOR'S WORK SPECIFICALLY INCLUDES:

Bordeaux Bidding Requirements and Information 4/27/2020

Division 01 – General Requirements		
Division 05 – Metals		(as it applies to this scope)
Division 07 – Thermal & Moisture Protection		(as it applies to this scope)
Division 08 – Openings		
Section 081113	Hollow Metal Frames	(as it applies to this scope)
Section 083323	Overhead Coiling Doors	
Section 087110	Door Hardware	(as it applies to this scope)
Section 088000	Glazing	(as it applies to this scope)
Section 089119	Fixed Louvers	
Division 09 – Finishes		
Section 099123	Interior Painting	(as it relates to this scope)
Division 13 – Metal Building Systems		
Section 133419	Metal Building Systems	

All Related Sections/Requirements referenced within each Division and/or section

SUBCONTRACTOR SPECIFIC REQUIREMENTS:

1. Payment and performance bond are required for this bid scope. Cost of payment and performance bonds are included in the base bid price.
2. BP-01 General Inclusion Items as applicable to complete Work
3. The on-site foreman or superintendent for this work scope shall have a cellular service enabled iPad with iOS 10.2.1 or later and equipped with a durable LifeProof protective case or equivalent. The iPad shall have the latest version of the Procore Construction Management Software application installed in order to have all live project documents, drawings, submittals, etc. in hand and immediately accessible.
4. Complete installation of work in this bid scope in accordance with all local, state and federal (OSHA) safety regulations and/or requirements
5. Complete installation as outlined in the construction documents and within this scope package to include all insurances and taxes
6. Dispose of all trash and waste materials in dumpster provided by Construction Manager
7. The following is a general outline of the items specifically included, but not limited to, in this bid scope:

    a. Furnish all labor, material, equipment, accessories, trim, etc. to make a complete turnkey installation of the **Pre-Engineered Metal Building (PEMB**):
        i. Include all costs associated with delegated design to include engineering, shop drawings & submittals, etc.
        ii. Include structural components, roof panels, wall panels, insulations, Interior wall liner panels, gutters/downspouts, eave closure and struts, purlins, tie-rods, z-clips, etc. as required
        iii. Include all fixed, extruded-aluminum louvers
            1. Coordinate sizes with BP-23A Mechanical
        iv. Include color selection from manufacturer's standard colors
        v. Include all fabrication, delivery, handling and storage of materials
        vi. Include all hoisting, welding, lifts, cranes or any other equipment for erection
        vii. Include touch-up painting on finished products (metal wall & roof panels, etc.) to remediate scratches, scars, damages, etc.
        viii. Include all gutters and downspouts
            1. Install concrete splash blocks at downspouts unless otherwise noted
            2. Cast iron downspout boots, where indicated for tie-in to storm drain system, are furnished & installed by others; coordinate outlet condition with BP-31A connection requirements
        ix. Include all roof and wall penetration flashings, trim, boots, etc. to make a weather tight system
        x. Include all framed roof openings as required; coordinate size and layout with other trades
        xi. Include all structural framing to support windows, doors, overhead coiling doors, aluminum entrances, louvers, etc.
        xii. Include all coordination with other trades as required to complete this scope

xiii. Furnish anchor bolts for installation by BP-03A; coordinate delivery and receipt of materials
xiv. Subcontractor agrees to provide all warranty requirements, even if they exceed manufacturer's available warranty

b. Furnish all labor, materials, equipment, curtains, hoods, counterbalancing mechanism, jambs, guides, locks, anchors, fasteners, caulking and sealants and other accessories as required to make a complete installation of the **Overhead Coiling Doors**:
   i. Finishes:
      1. Include color selection from manufacturer's standard line of colors as specified
      2. Exposed hoods shall match door curtain color and finish
   ii. Operators & Accessories:
      1. Include manual (chain hoist) for each door
      2. Include electric operators and controls as required
      3. Provide all necessary hardware required to make complete installation
      4. Include all controls, limit switches, obstruction detection, etc.
         a. Coordinate with BP-26A Electrical as required
         b. All final connections to be made under this scope of work
      5. Coordinate with BP-26A Electrical for interface with FA system
      6. Coordinate cylinder with hardware provided; cylinder furnished by BP-08C Doors & Hardware
   iii. Use only manufacturers listed in specifications
   iv. Include factory-authorized start-up service and Owner's training as part of this scope
   v. Include all specified warranties even if they exceed manufacturer's available warranty
c. Furnish & install **Knox Box**; coordinate with AHJ for model
d. All materials delivered to the site under this bid package shall be stored and staged on cribbage or dunnage
e. Subcontractor shall remove and clean all mud, dirt, stains, etc. from materials prior to installation
f. Include all associated cost to participate in mock up to demonstrate specification compliance

8. Site Access Requirements

Subcontractor must conduct a 50-state background check and e-verify compliance for all personnel associated with the project

a. Submit completed Exhibit L—Lunsford Act & E-verify documentation to Construction Manager for Owner review and approval in advance of worker arriving on-site; same day approval **cannot** be granted.
b. All personnel, while on-site, must wear a plastic laminated photo identification badge that identifies person's name and employer. Badges are to be computer produced with a font large enough to be clearly visible. The ID badge template will be made available to successful prime contractors. All costs associated with criminal

background checks, e-verification and ID Badging are the responsibility of each Subcontractor.

c. This a contractual requirement applicable to all personnel and all lower-tier subcontractors. Delivery drivers may be exempt with prior written approval from Construction Manager; submit request in advance.
d. Construction Manager and Owner reserve their right to deny any individual access to job-site for any reasonable condition

9. Forklifts will not be allowed on finished slab on grade areas:
    a. Feed materials from the exterior
    b. Utilize pallet jacks to feed materials on finished slab areas where feeding from exterior is not feasible
    c. Scissor lifts and other non-marking equipment may be allowed upon review of Subcontractor's erection plan with Construction Manager and receipt of written authorization thereof
10. Special Inspections are required on this project
    a. Refer to Specifications and Drawings for schedule of special inspection as well as any other applicable specifications sections
    b. Coordinate with special inspector, testing agencies, local inspectors and/or Engineer of Record as may be required
    c. Include all associated cost to participate and support Special Inspections
11. Permanent roads will be expedited along with temporary drive and laydown areas shown on Site Logistics Plan
    a. Subcontractor shall take special care to stay on temporary drives during inclement weather
12. Subcontractor shall repair all land disturbances caused by equipment under this bid scope regardless of wet/dry conditions to include, but not limited to, repair of rutting, damages to erosion control measures, damage to temporary or permanent roads, curbing, etc.
    a. Restore all disturbed areas to equal or better condition than original
13. Provide all traffic control, flagging, guides, signage, etc. as required for this scope
14. Maintain all roads, streets, parking, on-site and off-site roadways, etc. free and clear of any mud or debris created by this trade and its deliveries; clean-up shall occur immediately
    a. Sufficient personnel & equipment shall be on-site at all times to expedite this work
    b. Spillage of water, materials, etc. in public traffic areas shall be immediately cleaned
15. Inspect all substrates and conditions for suitability to receive work under this scope prior to starting work
    a. Advise Construction Manager immediately in writing of any deficiencies or issue
    b. Commencement of work guarantees acceptance of conditions
16. Daily clean-up of all trash and debris caused by this work
17. Furnish all ladders, lifts, shoring, scaffolding, etc. as required for this work
18. Furnish all supplemental lighting and power as required for this scope
19. Include field measure of all work in this bid scope prior to fabrication
20. Include all necessary mobilizations, multiple crews, staging of materials and equipment (scaffold, lull, light towers, etc.), night and weekend shifts as required to facilitate construction progress or directed by Construction Manager to complete the work

21. Protect all work under this scope from damage until accepted by Owner
    a. Protect adjacent surfaces from damage by this scope of work Any damage to adjacent surfaces or work during execution of this scope shall be repaired or replaced by this Subcontractor at no additional cost to Construction Manager
    b. Repairs shall be finished to match existing or adjacent construction
    c. Patch and repair all building finishes, structural components or other appurtenances that are removed or damaged as a result of performance of this scope. Repair work shall include finishes, components, substructure and materials required for the installation of such work in accordance with standard practices and shall be finished to match existing or adjacent conditions.
    d. Protect roadways and parking areas from damage caused by loading, unloading & staging of materials and equipment, hoisting & lifting activities, cranes, etc. All repair costs shall be borne by subcontractor responsible for said damages.
22. Subcontractor is responsible for all corrective repairs resulting from its defective workmanship
23. All corrective and repair work shall be performed within 24-hours after notification and shall be accepted prior to payment issuance to Subcontractor for said work performed
24. OSHA Safety measures shall be required and implemented
    a. Delivery drivers shall wear proper PPE while on site (staging, off-loading, etc.)
25. Project planning, to include, but not limited to
    a. Participation in development of Master Construction Schedule
    b. Submit a Job Hazardous Analysis (JHA) for each definable feature of work in advance of work start
    c. Participation by foreman and all workers in a Preparatory Meeting to review JHA, safety requirements, proposed work, approved submittals and other applicable construction documents prior to starting work
26. Provide all warranties, guarantees, extended service agreements, training, etc. as required
27. Pricing is firm, not subject to escalation for duration of project

SPECIFIC EXCLUSIONS

1. Floor Finishes provided by others
2. Interior partition walls furnished & installed by others
3. Aluminum storefront windows and entrances are furnished & installed by BP-08A
4. Metal bollards furnished by BP-05A; installed by BP-03A
5. Cast iron downspout boots at all downspouts for tie-in to storm drain system by others
6. Louvers in doors provided under BP-08C Doors & Hardware

ALLOWANCES

Not Applicable

UNIT PRICES

Not Applicable

ALTERNATES

Alternate C-10, Automotive Center—Provide Motorized Overhead Door, if selected by Owner, shall include any specific or special requirements, above and beyond that of the base bid, to support the indicated Alternate scope:

- **Base Bid:** Provide two (2) manual-operated overhead doors and one (1) motorized overhead door to include all associated controls and final connection at power source junction box. Electrical circuits for power will be installed to a junction box above each door as indicated on drawings.
- **Alternate:** Provide cost to convert one (1) manual-operated overhead door to a motorized-overhead door to include all associated controls and final connection at power source junction box.
- If there is no cost difference between Base Bid and Alternate, then Alternate C-10 bid shall be "No Cost"; otherwise, indicate the net cost difference to provide Alternate scope
- Include all requirements within this bid package

Subcontractor Scope of Work
Exhibit A

The Coast Academy
Job No. 1953

BP 21A - Fire Protection

This bid package is intended to be complementary to the Contract Documents including the Project Drawings, Specifications, Addendum, and Project Manual. Subcontractor acknowledges that the Subcontractor Specific Requirements are not intended to describe the complete and final work scope. Reference is made to the Specifications Sections, but is in no way intended to limit or alter the intent of the contract documents.

Subcontractor shall perform all work and shall furnish all layout, supervision, materials, labor, scaffolding, tools, equipment, supplies, services, rigging, craning and hoisting of all materials and equipment, temporary protection of own work, coordination of own work and interaction of work of others, home office and field administration, project management, scheduling, field supervision, engineering, quality control, safety, sales tax, insurances, punch list, closeout and all other things necessary or reasonably incidental for the construction and completion of their work as portrayed in the enclosed enumerated contract documents and specification sections as referenced below:

SUBCONTRACTOR'S WORK SPECIFICALLY INCLUDES:

Bordeaux Bidding Requirements and Information 4/27/2020

Division 01 – General Requirements
Division 03 – Concrete
Section 03300 Cast-in-Place Concrete (as it applies to this scope)
Division 07 - Thermal & Moisture Protection
Section 078413 Through-Penetration Firestop Systems
(as it applies to this scope)
Division 08 – Openings
Section 083113 Access doors & Frames (as it applies to this scope)
Division 21 – Fire Suppression
Section 210500 Common Work Results for Fire Suppression
Section 211000 Water Based Fire Suppression System
Division 22 – Plumbing (as it applies to this scope)
Division 26 – Electrical (as it applies to this scope)
Division 27 – Communications (as it applies to this scope)
Division 28 – Electronic Safety & Security (as it applies to this scope)

All Related Sections/Requirements referenced within each Division and/or section

SUBCONTRACTOR SPECIFIC REQUIREMENTS:

1. BP-01 General Inclusion Items as applicable to complete Work
2. Payment and performance bond are not required for this bid scope
3. The on-site foreman or superintendent for this work scope shall have a cellular service enabled iPad with iOS 10.2.1 or later and equipped with a durable LifeProof protective case or equivalent. The iPad shall have the latest version of the Procore Construction Management Software application installed in order to have all live project documents, drawings, submittals, etc. in hand and immediately accessible.
4. Complete installation of work in this bid scope in accordance with all local, state and federal (OSHA) safety regulations and/or requirements
5. Complete installation as outlined in the construction documents and within this scope package
6. The following is a general outline of the items specifically included, but not limited to, in this bid scope:

    a. **Complete modification of existing Fire Suppression system in the Culinary School**
        i. Include sealed calculations and drawings by a licensed designer
        i. Include all necessary and required drawings and information, drawing amendments and other requirements to obtain permits
        ii. Include all shop drawings and product information submittals
        iii. Include installation of main & standpipe risers, test & drain lines, zone control valves & assemblies, fire hose valves, fire riser assembly, dry-type system, water flow indicators, wall mounted FDC connection, distribution piping & heads, all permits and fees, tamper switches and relays, hangers, supports, etc. as required to support the system modification
        ii. Include complete seismic design and bracing as required
    b. Complete site water testing of flow and pressure for verification of adequacy to meet design requirements
        i. Notify Construction Manager immediately if results of testing are not adequate to support system design
    c. Furnish & install backflow prevention devices as required for this scope
        i. Include certification for all backflow devices provided by this scope
        ii. A representative certified in backflow prevention assembly in the state of North Carolina and acceptable to Owner must be employed for this work
    d. Furnish access doors & frames as required for this scope; installation by others
    e. Include all escutcheons at all wall and ceiling penetrations
    f. Include all concealed plates and head guards as required
    g. Include all required vibration isolation and pipe expansion supports
    h. Include all identification to include stenciling, stencil painting, pipe markers, tagging, name plates, jacketing, etc. as required
    i. Install framed valve chart in riser room
    j. Construct all concrete pads for equipment furnished under this scope
        i. Legally dispose of all concrete waste and debris

ii. Provide all concrete materials as required for this scope of work inclusive of any layout, forming, concrete placement equipment, etc. for any house-keeping pads required for fire protection equipment

k. Cut acoustical ceiling panels for new head installation; heads to be centered. Ceiling tile to be supplied by others
l. Furnish & install storage device (capped PVC tube) mounted in riser room for record drawings
m. Furnish & install storage cabinet to include specialty tools, sprinkler heads, escutcheons, etc. as required
n. Include factory testing, start-up services, commissioning testing and training as required for this scope
o. Coordinate, layout, furnish & install sleeves and other penetration requirements for sprinkler penetrations for all wall, ceiling and floor penetrations
p. Maintain fire rating of walls, partitions, ceilings and floors at pipe penetrations
q. Make all penetrations required to complete this scope of work
r. Include all patching, sealing and firestopping of all penetrations in walls, floors, slabs, ceilings and similar assemblies created by this scope of work as a result of removing/installing pipes, duct, conduit, equipment and appurtenances
s. All penetrations through exterior walls, floors and ceilings shall be sealed watertight
t. Building and Trade permits will be provided by Owner thru Construction Manager
    i. Subcontractor shall obtain and activate its respective permits
    ii. Subcontractor shall be responsible for all re-inspection fees and associated costs

8. Allowances

a. Include all stated allowances outlined within this bid package

b. Use of any allowance shall be as directed by Construction Manager and supported with sufficient documentation as required. Any work performed without prior written authorization will be considered as a requirement to complete the scope of work in this bid package and at no cost to the project
c. Include an **Allowance for designated scope and quantity**, installed as directed by Construction Manager and shall be based upon indicated Quantities and Unit Prices:
    i. Allowance #1: Install one (1) sprinkler head within 15' of branch lines as directed by Architect, Owner and/or AHJ, **three (3) each**
    ii. Include all requirements within this bid package

9. Site Access Requirements

Subcontractor must conduct a 50-state background check and e-verify compliance for all personnel associated with the project

a. Submit completed Exhibit L—Lunsford Act & E-verify documentation to Construction Manager for Owner review and approval in advance of worker arriving on-site; same day approval **cannot** be granted.
b. All personnel, while on-site, must wear a plastic laminated photo identification badge that identifies person's name and employer. Badges are to be computer produced with a font large enough to be clearly visible. The ID badge template will be made available to successful prime contractors. All costs associated with

criminal background checks, e-verification and ID Badging are the responsibility of each Subcontractor.

c. This a contractual requirement applicable to all personnel and all lower-tier subcontractors. Delivery drivers may be exempt with prior written approval from Construction Manager; submit request in advance.
d. Construction Manager and Owner reserve their right to deny any individual access to job-site for any reasonable condition

10. All materials delivered to the site under this bid package shall be stored and staged on cribbage or dunnage
    a. Subcontractor shall remove and clean all mud, dirt, stains, etc. from materials prior to installation
11. Special Inspections are required on this project
    a. Coordinate with special inspector, testing agencies, local inspectors and/or Engineer of Record as may be required
    b. Include all associated cost to participate and support Special Inspections
12. Forklifts will not be allowed on finished slab on grade areas:
    a. Feed materials from the exterior
    b. Utilize pallet jacks to feed materials on finished slab areas where feeding from exterior is not feasible
    c. Scissor lifts and other non-marking equipment may be allowed upon review of Subcontractor's erection plan with Construction Manager and receipt of written authorization thereof
13. Provide all traffic control, flagging, guides, signage, etc. as required for this scope
14. Permanent roads will be expedited along with temporary drive and laydown areas shown on Site Logistics Plan
    a. Subcontractor shall take special care to stay on temporary drives during inclement weather
15. Subcontractor shall repair all land disturbances caused by equipment under this bid scope regardless of wet/dry conditions to include, but not limited to, repair of rutting, damages to erosion control measures, damage to temporary or permanent roads, curbing, etc.
    a. Restore all disturbed areas to equal or better condition than original
16. Provide all traffic control, flagging, guides, signage, etc. as required for this scope
17. Maintain all roads, streets, parking, etc. free and clear of any mud or debris created by this trade and its deliveries; clean-up shall occur immediately
    a. Sufficient personnel & equipment shall be on-site at all times to expedite this work
    b. Spillage of water, materials, etc. in public traffic areas shall be immediately cleaned
18. Inspect all substrates and conditions for suitability to receive work under this scope prior to starting work
    a. Advise Construction Manager immediately in writing of any deficiencies or issue
    b. Commencement of work guarantees acceptance of conditions
18. Daily clean-up of all trash and debris caused by this work

19. Furnish all ladders, lifts, shoring, scaffolding, etc. as required for this work
20. Furnish all supplemental lighting and power as required for this scope
21. Include field measure of all work in this bid scope prior to fabrication
22. Include all necessary mobilizations, multiple crews and equipment, night and weekend shifts as required or directed by Construction Manager to complete the work
23. Protect all work under this scope from damage until accepted by Owner
    a. Protect adjacent surfaces from damage by this scope of work. Any damage to adjacent surfaces or work during execution of this scope shall be repaired or replaced by this Subcontractor at no additional cost to Construction Manager
    b. Repairs shall be finished to match existing or adjacent construction
    c. Patch and repair all building finishes, structural components or other appurtenances that are removed or damaged as a result of performance of this scope. Repair work shall include finishes, components, substructure and materials required for the installation of such work in accordance with standard practices and shall be finished to match existing or adjacent conditions.
    d. Protect roadways and parking areas from damage caused by loading, unloading & staging of materials and equipment, hoisting & lifting activities, cranes, etc. All repair costs shall be borne by subcontractor responsible for said damages.
24. Subcontractor is responsible for all corrective repairs resulting from its defective workmanship
25. All corrective and repair work shall be performed within 24-hours after notification and shall be accepted prior to payment issuance to Subcontractor for said work performed
26. OSHA Safety measures shall be required and implemented
    a. Delivery drivers shall wear proper PPE while on site (staging, off-loading, etc.)
27. Project planning, to include, but not limited to:
    a. Participation in development of Master Construction Schedule
    b. Submit a Job Hazardous Analysis (JHA) for each definable feature of work in advance of work start
    c. Participation by foreman and all workers in a Preparatory Meeting to review JHA, safety requirements, proposed work, approved submittals and other applicable construction documents prior to starting work
28. Provide all warranties, guarantees, service agreements, training, etc. as required
29. Pricing is firm, not subject to escalation for duration of project

SPECIFIC EXCLUSIONS

1. Firestopping of sprinkler penetrations is excluded from this bid scope
   Subcontractor is responsible for all coordination, sleeving and preparation of all sprinkler penetrations with firestopping contractor
2. Fire Suppression system in the Automotive Center

ALLOWANCES

#1	Install sprinkler heads as directed	**3 heads**

UNIT PRICES

UP-1	Install one (1) sprinkler head as directed	**$ / each**

ALTERNATES

Not Applicable

Subcontractor Scope of Work
Exhibit A

The Coast Academy
Job No. 1953

BP 22A - Plumbing

This bid package is intended to be complementary to the Contract Documents including the Project Drawings, Specifications, Addendum, and Project Manual. Subcontractor acknowledges that the Subcontractor Specific Requirements are not intended to describe the complete and final work scope. Reference is made to the Specifications Sections, but is in no way intended to limit or alter the intent of the contract documents.

Subcontractor shall perform all work and shall furnish all layout, supervision, materials, labor, scaffolding, tools, equipment, supplies, services, rigging, craning and hoisting of all materials and equipment, temporary protection of own work, coordination of own work and interaction of work of others, home office and field administration, project management, scheduling, field supervision, engineering, quality control, safety, taxes, insurances, permits, punch list, closeouts and all other things necessary or reasonably incidental for the construction and completion of their work as portrayed in the enclosed enumerated contract documents and specification sections as referenced below:

SUBCONTRACTOR'S WORK SPECIFICALLY INCLUDES:

Bordeaux Bidding Requirements and Information 4/27/2020

Division 01 – General Requirements	
Division 03 – Concrete	(as it applies to this scope)
Division 22 – Plumbing	Complete
Division 31 – Earthwork	(as it applies to this scope)

All Related Sections/Requirements referenced within each Division and/or section

SUBCONTRACTOR SPECIFIC REQUIREMENTS:

1. Payment and performance bond are required for this bid scope. Cost of payment and performance bonds are included in the base bid price.
2. BP-01 General Inclusion Items as applicable to complete Work
3. The on-site foreman or superintendent for this work scope shall have a cellular service enabled iPad with iOS 10.2.1 or later and equipped with a durable LifeProof protective case or equivalent. The iPad shall have the latest version of the Procore Construction Management Software application installed in order to have all live project documents, drawings, submittals, etc. in hand and immediately accessible.
4. Complete installation of work in this bid scope in accordance with all local, state and federal (OSHA) safety regulations and/or requirements
5. Complete plumbing systems installation as outlined in the construction documents and within this scope package to include all insurances and taxes

6. Dispose of all trash and waste materials in dumpster provided by Construction Manager
7. The following is a general outline of the items specifically included, but not limited to, in this bid scope:
    a. Furnish all labor, materials and equipment to make a complete installation of the following systems to include all hangers, supports, sleeves, floor plates, shield plates, escutcheons & trim, valves, insulation & protective covers, identification (labels, tags, markings, buttons, stenciling, painting, etc.), other accessories and incidentals, excavation and backfill, etc. as required:
        i. Domestic Water
            1. Include all interior backflow devices required under this scope
                a. Provide certification for all backflow devices installed by this scope
                b. A representative certified in backflow prevention assembly in the State of North Carolina and acceptable to Owner must be employed for this work
            2. Include chlorination, testing and certifications on all domestic water systems as required
            3. Include isolation valves and tees as shown and where practical for future connections
            4. Include all pumps, piping specialties, etc.
            5. Include water heating controls as required
        ii. Domestic Sanitary Waste & Vents
            1. Floor drains shall be provided with trap primer or trap seals at Plumbing Contractors discretion
            2. Include temporary protection of plumbing waste lines
                a. Cap/plug lines and cover floor drains with temporary protection
                b. Verify lines are cleaned and flushed at project completion
            3. Include under lavatory guards to comply with ADA and other specification requirements
        iii. DSS Unit Condensation Drain
            1. Inclusive of all requirements thru installation of condensate basin and connection of outfall piping installed under BP-31A Sitework (refer to Drawings C-3.0 & P-101 and Detail L/P-001)
        iv. Natural Gas
            1. Include all specialty accessories, valves, pressure regulators (service, appliance, intermediate), vents, traps, labeling, concrete bases, roof pipe supports, etc.
            2. Modify existing gas piping as required
            3. Coordinate with utility company as required for routing and installation of site piping, meter location and installation, and service connection to facility
            4. Painting of piping under BP-09G Painting
            5. Include all required inspections, testing and purging
        v. Compressed Air System

1. Include hose reels as indicated
2. Include all specialty accessories, valves, fittings & disconnects, pressure regulators & gauges, traps, labeling, etc.
3. Include connection to air compressor installed by others
4. Include connections to all equipment requiring compressed air, whether furnished or installed under this bid scope

vi. Construction Layout
1. Coordinate, layout and install sleeves and other requirements for plumbing during construction of walls
    a. Coordinate with BP-04A masonry and BP-09A GWB as required
    b. Any penetration missed or incorrectly located will be corrected at subcontractor's expense
2. Contractor shall coordinate and assist in the layout of any housekeeping pads required for its equipment
    a. Housekeeping pads will be provided under BP-03A Turnkey Concrete or BP-31A Turnkey Sitework as applicable
    b. Furnish & install any precast pads required

vii. Complete demo and termination of domestic water, hot water, sanitary waste & vent, etc. in **Culinary School** as required to point of origin
1. Cut cap and make safe all plumbing systems prior to related demo work
2. Assist other trades with LOTO of plumbing systems as required

viii. Complete underground interior and exterior excavation, backfill, compaction, etc.
1. Subgrade to be properly compacted, fine graded and left ready for concrete prep or sitework to commence
2. Subcontractor is responsible for all soil compaction requirements associated with installation of its work

ix. Include all stated allowances outlined within this bid scope

b. Additional Requirements:

i. Provide adequate manpower for running of plumbing work within masonry construction. Plumbing crews shall work same hours as masonry contractor as required for weather, regardless of schedule of plumbing work, during CMU masonry installation.

ii. Include installation, maintenance and removal of temporary water supply and hookup to Construction Manager Office trailer and to masonry mixing station. See Site Logistics Plan for locations.

iii. BP-26A Electrical to furnish & install motor starters, disconnects switches and combo starters for equipment under this bid scope, unless otherwise specified or indicated within the Construction Documents:
1. Items marked "Provide with unit" are to be furnished & installed by under this bid scope
2. Furnish & install all VFD/VSDs, interconnect wiring, controls, etc. as required for equipment furnished under this scope

a. Protect VFD/VSDs from dust infiltration until Owner acceptance; clean VFD/VSDs at Owner acceptance
b. Change filter media as required or directed by Construction Manager

3. Subcontractor is responsible for final electrical connections of all equipment provided under this scope

iv. Include factory testing, start-up services and training as required for this scope
v. Include final plumbing connections to all equipment to include Kitchen/Food Service and Laundry equipment, whether furnished or installed under this bid package
vi. Furnish & install all sleeves required for this scope
vii. Furnish & install all roof pipe supports & curbs required for this scope
viii. Include all access doors & frames as required for this scope
    1. Installation in GWB by BP-09A Drywall
    2. Location of access doors shall be coordinated with BP-09A Drywall prior to framing
ix. Subcontractor is responsible to coordinate submittals and installation to ensure all plumbing fixtures comply with ADA code
x. Include all required vibration isolation, pipe expansion supports, etc. as required
xi. Include seismic design and bracing as required to meet seismic zone for this project
xii. All actuators and valves shall be rated for the environmental conditions they are installed
xiii. Include participation in mockups as required
xiv. Coordinate with BP-03A & BP-09B to ensure all floor & roof drains and cleanouts are installed to correct elevations
    1. Coordinate all drains and cleanouts with flooring, concrete & waterproofing contractors
    2. Subcontractor must be on-site during all concrete slab placements and will be responsible for ensuring floor drains and cleanouts are installed to correct elevations
xv. Connect all plumbing within buildings to a point 5’ outside of the building unless otherwise noted
    1. Contractor is responsible for coordination with BP-31A Site Work for location and tie-in of plumbing systems
xvi. Include all pit drains and floor drains as shown including, but not limited to laundry extractor trench drain, grate & lint trap, floor drains, floor sinks, floor trough, etc.
    1. For drains with angle frames set in concrete or tile, provide angle frame for installation by others
    2. Coordinate location and install requirements with floor finishes
xvii. Subcontractor is responsible for all soil compaction requirements associated with installation of its work

xviii. Unless noted in the "specific exclusion" of this bid package, provide all concrete materials as required for this scope of work
    1. All exposed concrete shall be rubbed and patched as required to remove surfaces defects
xix. Construction Manager will pay for all initial Building Permits and fees
    1. Subcontractor shall obtain and activate its respective permits
    2. Subcontractor shall be responsible for all re-inspection fees and associated costs

8. Allowances

Include all stated allowances within this bid scope

Use of any allowance shall be as directed by Construction Manager and supported with sufficient documentation as required. Any work performed without prior written authorization will be considered as a requirement to complete the scope of work in this bid package and at no cost to the project

a. Include as **Allowances for designated scope and quantity**, installed as directed by Construction Manager and shall be based upon indicated Quantities and Unit Prices: **Allowances #1 thru #3** as indicated:

#1--Unsuitable soils (Trench) removal and disposal **OFF-SITE**	**25 CY**
#2--Replacement of unsuitable soils (Trench) with select import fill	**25 CY**
#3--Replacement of unsuitable soils (Trench) with #78 stone	**20 Tons**

b. Allowances shall include all associated cost for purchase of materials, transportation, placement, compaction and quantity verification
c. Allowances to include all requirements outlined within this bid package

9. Site Access Requirements

Subcontractor must conduct a 50-state background check and e-verify compliance for all personnel associated with the project

a. Submit completed Exhibit L—Lunsford Act & E-verify documentation to Construction Manager for Owner review and approval in advance of worker arriving on-site; same day approval cannot be granted.
b. All personnel, while on-site, must wear a plastic laminated photo identification badge that identifies person's name and employer. Badges are to be computer produced with a font large enough to be clearly visible. The ID badge template will be made available to successful prime contractors. All costs associated with criminal background checks, e-verification and ID Badging are the responsibility of each Subcontractor.
c. This a contractual requirement applicable to all personnel and all lower-tier subcontractors. Delivery drivers may be exempt with prior written approval from Construction Manager; submit request in advance.
d. Construction Manager and Owner reserve their right to deny any individual access to job-site for any reasonable condition

10. Special Inspections are required on this project
    a. Refer to Specifications and Drawings for schedule of special inspection as well as any other applicable specifications sections

b. Coordinate with special inspector, testing agencies, local inspectors and/or Engineer of Record as may be required
c. Include all associated cost to participate and support Special Inspections

11. Forklifts will not be allowed on finished slab on grade areas:
    a. Feed materials from the exterior
    b. Utilize pallet jacks to feed materials on finished slab areas where feeding from exterior is not feasible
    c. Scissor lifts and other non-marking equipment may be allowed upon review of Subcontractor's erection plan with Construction Manager and receipt of written authorization thereof
12. Wash out all concrete materials in washout location, see Site Logistics Plan
    a. Maintain washout as needed for removal of concrete materials
    b. Consolidate all concrete rubble to a central point as directed by Construction Manager for removal by BP-31A Turnkey Site
    c. General waste construction container is not suitable for concrete waste disposal
13. Permanent roads will be expedited along with temporary drive and laydown areas shown on Site Logistics Plan
    a. Subcontractor shall take special care to stay on temporary drives during inclement weather
14. Subcontractor shall repair all land disturbances caused by equipment under this bid scope regardless of wet/dry conditions to include, but not limited to, repair of rutting, damages to erosion control measures, damage to temporary or permanent roads, curbing, etc.
    a. Restore all disturbed areas to equal or better condition than original
15. Provide all traffic control, flagging, guides, signage, etc. as required for this scope
16. Maintain all roads, streets, parking, etc. free and clear of any mud or debris created by this trade and its deliveries; clean-up shall occur immediately
    a. Sufficient personnel & equipment shall be on-site at all times to expedite this work
    b. Spillage of water, materials, etc. in public traffic areas shall be immediately cleaned
17. Inspect all substrates and conditions for suitability to receive work under this scope prior to starting work
    a. Advise Construction Manager immediately in writing of any deficiencies or issue
    b. Commencement of work guarantees acceptance of conditions
18. Daily clean-up of all trash and debris caused by this work
19. Furnish all ladders, lifts, shoring, scaffolding, etc. as required for this work
20. Furnish all supplemental lighting and power as required for this scope
21. Include field measure of all work in this bid scope prior to fabrication
22. Include all necessary mobilizations, multiple crews and equipment, night and weekend shifts as required or directed by Construction Manager to complete the work
23. Protect all work under this scope from damage until accepted by Owner
    a. Protect adjacent surfaces from damage by this scope of work. Any damage to adjacent surfaces or work during execution of this scope shall be repaired or replaced by this Subcontractor at no additional cost to Construction Manager
    b. Repairs shall be finished to match existing or adjacent construction
    c. Patch and repair all building finishes, structural components or other appurtenances that are removed or damaged as a result of performance of this scope. Repair work

shall include finishes, components, substructure and materials required for the installation of such work in accordance with standard practices and shall be finished to match existing or adjacent conditions.

d. Protect roadways and parking areas from damage caused by loading, unloading & staging of materials and equipment, hoisting & lifting activities, cranes, etc. All repair costs shall be borne by subcontractor responsible for said damages.

24. Subcontractor is responsible for all corrective repairs resulting from its defective workmanship
25. All corrective and repair work shall be performed within 24-hours after notification and shall be accepted prior to payment issuance to Subcontractor for said work performed
26. OSHA Safety measures shall be required and implemented
    a. Delivery drivers shall wear proper PPE while on site (staging, off-loading, etc.)
27. Project planning, to include, but not limited to
    a. Participation in development of Master Construction Schedule
    b. Submit a Job Hazardous Analysis (JHA) for each definable feature of work in advance of work start
    c. Participation by foreman and all workers in a Preparatory Meeting to review JHA, safety requirements, proposed work, approved submittals and other applicable construction documents prior to starting work
28. Provide all warranties, guarantees, extended service agreements, training, etc. as required
29. Pricing is firm, not subject to escalation for duration of project

SPECIFIC EXCLUSIONS

1. Firestopping of plumbing penetrations is excluded from this bid scope. Subcontractor is responsible for all coordination, sleeving and preparation of all plumbing penetrations with firestopping contractor
2. Caulking of fixtures will be provided under BP-07D, Caulk & Sealants
3. Temporary and permanent water usage costs are excluded from this bid scope
4. Thru-wall & roof flashings associated with PEMB are furnished & installed by BP-13B PEMB
5. Oil-Sand Separator installed by BP-31A Sitework

ALLOWANCES

1.	Unsuitable soils (Trench) removal & disposal OFF-SITE	**25 CY**
2.	Replacement of unsuitable soils (Trench) with select import fill	**25 CY**
3.	Replacement of unsuitable soils (Trench) with #78 stone	**20 Tons**

UNIT PRICES

UP-01	Unsuitable soils (Trench) removal and disposal OFF-SITE	**$ / CY**
UP-02	Replacement of unsuitable soils (Trench) with select import fill	**$ / CY**
UP-03	Replacement of unsuitable soils (Trench) with #78 stone	**$ / Ton**

ALTERNATES

Not Applicable

Subcontractor Scope of Work
Exhibit A

The Coast Academy
Job No. 1953

BP 23A - HVAC

This bid package is intended to be complementary to the Contract Documents including the Project Drawings, Specifications, Addendum, and Project Manual. Subcontractor acknowledges that the Subcontractor Specific Requirements are not intended to describe the complete and final work scope. Reference is made to the Specifications Sections, but is in no way intended to limit or alter the intent of the contract documents.

Subcontractor shall perform all work and shall furnish all layout, supervision, materials, labor, scaffolding, tools, equipment, supplies, services, rigging, craning and hoisting of all materials and equipment, temporary protection of own work, coordination of own work and interaction of work of others, home office and field administration, project management, scheduling, field supervision, engineering, quality control, safety, taxes, insurances, permits, punch list, closeouts and all other things necessary or reasonably incidental for the construction and completion of their work as portrayed in the enclosed enumerated contract documents and specification sections as referenced below:

SUBCONTRACTOR'S WORK SPECIFICALLY INCLUDES:

Bordeaux Bidding Requirements and Information 4/27/2020

Division 01 – General Requirements		
Division 08 – Openings		
Section 089119	Fixed Louvers	(as it applies to this scope)
Division 22 – Plumbing		(as it applies to this scope)
Division 23 – Mechanical		Complete
Division 26 – Electrical		(as it applies to this scope)

All Related Sections/Requirements referenced within each Division and/or section

SUBCONTRACTOR SPECIFIC REQUIREMENTS:

1. <u>Payment and performance bond are required for this bid scope. Cost of payment and performance bonds are included in the base bid price.</u>
2. BP-01 General Inclusion Items as applicable to complete Work
3. The on-site foreman or superintendent for this work scope shall have a cellular service enabled iPad with iOS 10.2.1 or later and equipped with a durable LifeProof protective case or equivalent. The iPad shall have the latest version of the Procore Construction Management Software application installed in order to have all live project documents, drawings, submittals, etc. in hand and immediately accessible.

4. Complete installation of work in this bid scope in accordance with all local, state and federal (OSHA) safety regulations and/or requirements
5. Complete HVAC and Mechanical installation as outlined in the construction documents and within this scope package
6. Dispose of all trash and waste materials in dumpster provided by Construction Manager
    a. Cardboard packaging is to be recycled as part of this scope of work; general construction waste container is not suitable for this use
    b. Piping and ductwork removed under this bid scope shall be hauled off-site and legally disposed of under this bid package
7. The following is a general outline of the items specifically included, but not limited to, in this bid scope:
    a. Complete mechanical systems to include installation of equipment, terminal units, dampers, sleeves, pumps & piping, ductwork, insulations & protective coverings, identifications, controls systems, associated conduit & conductors, devices, supports, hangers, angles, Unistrut, anchors bolts, etc.:
        i. Air Handling Units
        ii. Split-System Heat Pump units
        iii. Packaged Heat Pump Units
        iv. Ductless Split System Heat Pump Units
        v. Fans and Ventilators
        vi. Ductwork
            1. Install duct detectors provided under BP-26A; coordinate location and installation with electrician and fire alarm contractors
            2. Furnish & Install access doors for dampers, duct detectors, etc. as required
            3. Label all access doors
        vii. Grilles, Registers & Diffusers
            1. Include additional wire supports for grilles, dampers, etc. as required to meet code
                a. Wires to be supported only from structure
                b. Do not attach wires to supports intended for equipment (duct, pipe, grilles, etc.) or light fixtures
            2. Install new grilles, registers and diffusers in acoustical ceilings scheduled for replacement regardless if indicated
                a. Match size & type
        viii. Dampers (manual, balancing, smoke/fire, motorized, backdraft, etc.)
            1. Label all access doors
        ix. Include all duct supports, equipment supports, pipe supports, sleeves, vents, etc. as required for this scope
        x. Include all condensate drain piping, pans, pipe supports, splash blocks, etc. for equipment provided
        xi. Include all delegated-design requirements
    b. Complete demolition of mechanical systems:
        i. Cut cap and make safe all mechanical systems prior to related demo work

ii. Demo all piping and ductwork under this bid scope to point of origin or as indicated on construction drawings
iii. Piping and ductwork removed under this bid scope shall be hauled off-site and legally disposed of under this bid package
iv. Cap and insulate vents, curbs etc. as noted
v. Salvage, store and reinstall items noted to be salvaged
vi. Reclaim and legally dispose of all refrigerants prior to removing units

c. Complete Building Automation System
   i. All cabling to be Plenum-rated
   ii. Provide all relays and monitoring modules for communication with FA system
   iii. Connect to existing BAS as required
   iv. Include all delegated-design requirements
d. Complete Certified Test & Balance
   i. Certified Test and Balance (TAB) is included in this scope as specified
   ii. Test and Balance of all Domestic Water Systems installed under BP-22A is included in this bid package
   iii. It is the intent to have a single source 3rd party TAB firm complete Test and Balance of all mechanical and domestic water as specified
e. Construction Layout
   i. Coordinate, layout and install sleeves, dampers and other requirements for mechanical penetrations during construction of walls
      1. Coordinate with BP-04A masonry and BP-09A GWB as required
      2. Any penetration missed or incorrectly located will be corrected at subcontractor's expense
   ii. Contractor shall coordinate and assist in the layout of any housekeeping pads required for HVAC equipment
      1. Housekeeping pads will be provided under BP-03A Turnkey Concrete or BP-31A Turnkey Sitework as applicable
      2. Furnish and install any precast pads for HVAC equipment
f. Additional Requirements:
   i. Install all identification to include stenciling, stencil painting, pipe markers, tagging, name plates, jacketing, etc. as required
   ii. BP-26A Electrical to furnish & install motor starters, disconnects switches and combo starters for HVAC equipment under this bid scope, unless otherwise specified or indicated within the Construction Documents:
      1. Items marked "Provide with unit" are to be furnished & installed by under this bid scope
      2. Furnish and install all VFD/VSDs, interconnect wiring, controls, etc. as required for equipment furnished under this scope
         a. Protect VFD/VSDs from dust infiltration until Owner acceptance; clean VFD/VSDs at Owner acceptance
         b. Change filter media as required or directed by Construction Manager

iii. Include factory testing, start-up services and training as required for this scope
iv. Include all access doors & frames as required for this scope
    1. Installation in GWB by BP-09A Drywall
    2. Location of access doors shall be coordinated with BP-09A Drywall prior to framing starting
    3. Label all access doors
v. Protect ductwork from infiltration of dust & debris
    1. Clean ductwork as required prior to testing and Owner acceptance
    2. Duct must be sealed when delivered and stored on dunnage
    3. Installed duct must be sealed at the end of each day
    4. Construction Manager reserves the right to reject any duct found un-protected
vi. Connect to all louvers and vents as required for this scope
    1. Include motorized dampers, controls, interlock & low voltage wiring and raceways between control panel, fans, devices and louvers
vii. Include all interior backflow devices required under this scope
    1. Provide certification for all backflow devices installed by this scope
    2. A representative certified in backflow prevention assembly in the state of North Carolina and acceptable to Owner must be employed for this work
viii. Include all required vibration isolation, pipe expansion supports, etc. as required
ix. Include seismic design and bracing as required to meet seismic zone for this project
x. Clean, prepare, prime and paint all piping, ductwork, conduit, steel supports, hangers and other mechanical items installed under this scope in accordance with contract requirements
xi. Furnish & install all sleeves for this scope
xii. Include flushing, chlorination, testing and certification of systems as required
xiii. Participate in mock-ups as required
xiv. Include power wiring from disconnect to within the mechanical equipment and additional power wiring associated with the equipment that is not specifically shown on the electrical drawing
xv. Furnish & install conductor identification materials as specified for all control raceway and mechanical piping run under this bid package. Provide permanent color pigmented conduit in all areas above ceiling
xvi. Secure rooftop equipment as required
xvii. All actuators and valves shall be rated for the environmental conditions they are installed
xviii. Include final mechanical connections to all equipment, whether furnished or installed under this bid package
xix. Subcontractor shall submit a record of all HVAC and other system maintenance that has been performed between System Start-up and Owner acceptance

1. Failure to do so will delay payments after 90% completion
2. If no maintenance occurred, submit letter stating such

xx. Include all temporary and new permanent filters as required
1. Replace permanent filters immediately prior to substantial completion
2. Verify completion in writing to Construction Manager

xxi. Provide, maintain and remove temporary filter media on all return air ducts and grilles during construction
1. Replace media when dirty or as directed by Construction Manager

xxii. Include all cost associated with extending warranties so the warranty requirement from the date of Owner Acceptance is maintained

xxiii. Coordinate with Commissioning Agent and participate as required in all commissioning activities and processes and comply with all requirements

xxiv. Coordinate work such that building HVAC is ready for HVAC equipment startup to establish building climate control prior to scheduled start of interior finishes.

xxv. Include all core drilling and saw cutting for any penetrations as required

xxvi. Broom clean roof after each day working on roof. HVAC contractor will be responsible for roof damage and discoloration from metal shavings or fasteners left on roof associated with HVAC or controls installation.

xxvii. Furnish & install all backflow prevention devices as required for this scope
1. Provide certification for all backflow devices installed by this scope
2. A representative certified in backflow prevention assembly in the state of North Carolina and acceptable to Owner must be employed for this work

xxviii. Unless noted in the "specific exclusion" of this bid package, provide all concrete materials as required for this scope of work
1. All exposed concrete shall be rubbed and patched as required to remove surfaces defects

xxix. Construction Manager will pay for all initial Building Permits and fees
1. Subcontractor shall obtain and activate its respective permits
2. Subcontractor shall be responsible for all re-inspection fees and associated costs

8. **Allowances**
   a. **Include all allowances listed within this bid scope**
   b. Use of any allowance shall be as directed by Construction Manager and supported with sufficient documentation as required. Any work performed without prior written authorization will be considered as a requirement to complete the scope of work in this bid package and at no cost to the project
   c. Include an **Allowance** for additional BAS system training as directed by Construction Manager and based upon indicated Quantities and Unit Prices:
      i. Additional training is defined as that which is required over and above the allotted training hours specified within the bid package
      ii. Include all requirements outlined within this bid package
      iii. Include 5 hours for said work

9. **Site Access Requirements**
   Subcontractor must conduct a 50-state background check and e-verify compliance for all personnel associated with the project
   a. Submit completed Exhibit L—Lunsford Act & E-verify documentation to Construction Manager for Owner review and approval in advance of worker arriving on-site; same day approval **cannot** be granted.
   b. All personnel, while on-site, must wear a plastic laminated photo identification badge that identifies person's name and employer. Badges are to be computer produced with a font large enough to be clearly visible. The ID badge template will be made available to successful prime contractors. All costs associated with criminal background checks, e-verification and ID Badging are the responsibility of each Subcontractor.
   c. This a contractual requirement applicable to all personnel and all lower-tier subcontractors. Delivery drivers may be exempt with prior written approval from Construction Manager; submit request in advance.
   d. Construction Manager and Owner reserve their right to deny any individual access to job-site for any reasonable condition

10. Special Inspections are required on this project
    a. Refer to Specifications and Drawings for schedule of special inspection as well as any other applicable specifications sections
    b. Coordinate with special inspector, testing agencies, local inspectors and/or Engineer of Record as may be required
    c. Include all associated cost to participate and support Special Inspections
11. Forklifts will not be allowed on finished slab on grade areas:
    a. Feed materials from the exterior
    b. Utilize pallet jacks to feed materials on finished slab areas where feeding from exterior is not feasible
    c. Scissor lifts and other non-marking equipment may be allowed upon review of Subcontractor's erection plan with Construction Manager and receipt of written authorization thereof
12. Wash out all concrete materials in washout location, see Site Logistics Plan
    a. Maintain washout as needed for removal of concrete materials
    b. Consolidate all concrete rubble to a central point as directed by Construction Manager for removal by BP-31A Turnkey Site
    c. General waste construction container is not suitable for concrete waste disposal
13. Provide all traffic control, flagging, guides, signage, etc. as required for this scope
14. Permanent roads will be expedited along with temporary drive and laydown areas shown on Site Logistics Plan
    a. Subcontractor shall take special care to stay on temporary drives during inclement weather
15. Subcontractor shall repair all land disturbances caused by equipment under this bid scope regardless of wet/dry conditions to include, but not limited to, repair of rutting, damages to erosion control measures, damage to temporary or permanent roads, curbing, etc.
    a. Restore all disturbed areas to equal or better condition than original

16. Maintain all roads, streets, parking, on-site and off-site roadways, etc. free and clear of any mud or debris created by this trade and its deliveries; clean-up shall occur immediately
    a. Sufficient personnel & equipment shall be on-site at all times to expedite this work
    b. Spillage of water, materials, etc. in public traffic areas shall be immediately cleaned
17. Inspect all substrates and conditions for suitability to receive work under this scope prior to starting work
    a. Advise Construction Manager immediately in writing of any deficiencies or issue
    b. Commencement of work guarantees acceptance of conditions
18. Daily clean-up of all trash and debris caused by this work
19. Furnish all ladders, lifts, shoring, scaffolding, etc. as required for this work
20. Furnish all supplemental lighting and power as required for this scope
21. Include field measure of all work in this bid scope prior to fabrication
22. Include all necessary mobilizations, multiple crews and equipment, night and weekend shifts as required or directed by Construction Manager to complete the work
23. Protect all work under this scope from damage until accepted by Owner
    a. Protect adjacent surfaces from damage by this scope of work. Any damage to adjacent surfaces or work during execution of this scope shall be repaired or replaced by this Subcontractor at no additional cost to Construction Manager
    b. Repairs shall be finished to match existing or adjacent construction
    c. Patch and repair all building finishes, structural components or other appurtenances that are removed or damaged as a result of performance of this scope. Repair work shall include finishes, components, substructure and materials required for the installation of such work in accordance with standard practices and shall be finished to match existing or adjacent conditions.
    d. Protect roadways and parking areas from damage caused by loading, unloading & staging of materials and equipment, hoisting & lifting activities, cranes, etc. All repair costs shall be borne by subcontractor responsible for said damages.
24. Subcontractor is responsible for all corrective repairs resulting from its defective workmanship
25. All corrective and repair work shall be performed within 24-hours after notification and shall be accepted prior to payment issuance to Subcontractor for said work performed
26. OSHA Safety measures shall be required and implemented
    a. Delivery drivers shall wear proper PPE while on site (staging, off-loading, etc.)
27. Project planning, to include, but not limited to
    a. Participation in development of Master Construction Schedule
    b. Submit a Job Hazardous Analysis (JHA) for each definable feature of work in advance of work start
    c. Participation by foreman and all workers in a Preparatory Meeting to review JHA, safety requirements, proposed work, approved submittals and other applicable construction documents prior to starting work
28. Provide all warranties, guarantees, extended service agreements, training, etc. as required
29. Pricing is firm, not subject to escalation for duration of project

SPECIFIC EXCLUSIONS

1. Firestopping of mechanical penetrations is excluded from this bid scope. Fire dampers are not considered to be firestopping. Subcontractor is responsible for all coordination, sleeving, and preparation of all mechanical penetrations with firestopping subcontractor under bid package BP-07F Firestopping
2. Temporary and permanent electrical usage costs are excluded from this bid scope.
3. Housekeeping pads are excluded and provided by 03A Building Concrete or 31A Turnkey Sitework. Coordinate and verify layout of all pads with respective contractors prior to placement.
4. 3rd Party Spray Testing of units
5. Wall louvers provided by BP-13B PEMB

ALLOWANCES

#1	Additional BAS training	**5 hours**

UNIT PRICES

UP-01	Training rate	**$ / hour**

ALTERNATES

Alternate C-1, Owner Preferred Brand – Controls System, if selected by Owner, shall include any specific or special requirements, above and beyond that of the base bid, to support the indicated Preferred Brand:

- **Base bid** includes complete controls installation as required to support the project
- **Alternate bid** includes complete controls installation required to support the project using **Schneider Electric BAS StruxureWare system** as the controls system
- Reference made to Building Automation System Specification 230900-1.8-A
- If Schneider Electric BAS StruxureWare system is apparent low controls system, Alternate bid shall be "No Cost"; otherwise, indicate the net cost difference to provide Owner Preferred Brand
- Include all requirements outlined within this bid package

Subcontractor Scope of Work
Exhibit A

The Coast Academy
Job No. 1953

BP 23B - HVAC & Plumbing (Combo)

This bid package is intended to be complementary to the Contract Documents including the Project Drawings, Specifications, Addendum, and Project Manual. Subcontractor acknowledges that the Subcontractor Specific Requirements are not intended to describe the complete and final work scope. Reference is made to the Specifications Sections, but is in no way intended to limit or alter the intent of the contract documents.

Subcontractor shall perform all work and shall furnish all layout, supervision, materials, labor, scaffolding, tools, equipment, supplies, services, rigging, craning and hoisting of all materials and equipment, temporary protection of own work, coordination of own work and interaction of work of others, home office and field administration, project management, scheduling, field supervision, engineering, quality control, safety, taxes, insurances, permits, punch list, closeouts and all other things necessary or reasonably incidental for the construction and completion of their work as portrayed in the enclosed enumerated contract documents and specification sections as referenced below:

SUBCONTRACTOR'S WORK SPECIFICALLY INCLUDES ALL REQUIREMENTS OUTLINED BELOW:

- Bid Package 22A – Plumbing
- Bid Package 23A -- HVAC

Subcontractor Scope of Work
Exhibit A

The Coast Academy
Job No. 1953

BP 26A - Electrical

This bid package is intended to be complementary to the Contract Documents including the Project Drawings, Specifications, Addendum, and Project Manual. Subcontractor acknowledges that the Subcontractor Specific Requirements are not intended to describe the complete and final work scope. Reference is made to the Specifications Sections, but is in no way intended to limit or alter the intent of the contract documents.

Subcontractor shall perform all work and shall furnish all layout, supervision, materials, labor, scaffolding, tools, equipment, supplies, services, rigging, craning and hoisting of all materials and equipment, temporary protection of own work, coordination of own work and interaction of work of others, home office and field administration, project management, scheduling, field supervision, engineering, quality control, safety, taxes, insurances, permits, punch list, closeouts and all other things necessary or reasonably incidental for the construction and completion of their work as portrayed in the enclosed enumerated contract documents and specification sections as referenced below:

SUBCONTRACTOR'S WORK SPECIFICALLY INCLUDES:

Bordeaux Bidding Requirements and Information 4/27/2020

Division 01 – General Requirements	
Division 02 – Existing Conditions	(as it applies to this scope)
Division 03 – Concrete	(as it applies to this scope)
Division 07 – Thermal & Moisture Protection	
Section 079200 Joint Sealants	(as it applies to this scope)
Division 22 – Plumbing	(as it applies to this scope)
Division 23 – HVAC	(as it applies to this scope)
Division 26 – Electrical	Complete
Division 27 – Communications	Complete
Division 28 – Electronic Safety and Security	Complete
Division 31 – Earthwork	(as it applies to this scope)

All Related Sections/Requirements referenced within each Division and/or section

SUBCONTRACTOR SPECIFIC REQUIREMENTS:

1. Payment and performance bond are required for this bid scope. Cost of payment and performance bonds are included in the base bid price.
2. BP-01 General Inclusion Items as applicable to complete Work

3. The on-site foreman or superintendent for this work scope shall have a cellular service enabled iPad with iOS 10.2.1 or later and equipped with a durable LifeProof protective case or equivalent. The iPad shall have the latest version of the Procore Construction Management Software application installed in order to have all live project documents, drawings, submittals, etc. in hand and immediately accessible.
4. Complete installation of work in this bid scope in accordance with all local, state and federal (OSHA) safety regulations and/or requirements
5. Complete electrical installation as outlined in the construction documents and within this scope package to include all insurances and taxes
6. Dispose of all trash and waste materials in dumpster provided by Construction Manager
    a. Cardboard packaging is to be recycled as part of this scope of work; general construction waste container is not suitable for this use
7. The following is a general outline of the items specifically included, but not limited to, in this bid scope:
    a. Complete Interior Building Demolition of Electrical, Fire Alarm, Communication and other systems as required
        i. Cut cap and make safe all systems prior to related demo work
        ii. Trace all circuits where any work is to occur requiring a panel outage
        iii. Remove all systems back to point of origin to include wiring, devices, conduits, fixtures, panels, hangers, & supports, etc.
            1. Do not abandon exposed conduit in-place without written direction from Construction Manager
            2. In-wall boxes which cannot be removed shall have a cover plate; include oversized plates as required
        iv. Assist other trades with LOTO as required
    b. Complete Site Electrical work
        i. Relocation of two pole-mounted site lights
            1. Include all cost associated with relocation of two existing site lights
            2. Coordinate with BP-31A Sitework and Utility Service provider for relocation of site lights
            3. Include all required conduit, raceway, hand-holes, wiring and pole bases for site lighting as required
        ii. All cost associated with installation of new service to Electrical Room 107 to include concrete duct bank and/or conduit as required
        iii. Coordinate of transformer pad requirements with local utility provider
            1. Include all cost associated with transformer pads
        iv. Include all required conduits and pull strings for utility company to connect to transformers, ductbank, site lighting, etc.
        v. Include all underground sleeves for utility company crossing pavements and gravel drives
        vi. Include all required raceways and spares, pull strings and associated conductors from utility transformer into building electrical room
        vii. Include cost to excavate, form and place concrete for required duct banks
            1. Include red-color concrete

viii. Include all conduit, innerduct, pull strings, etc. from existing building systems to Electrical & IT Rooms; refer to Drawing E-011
ix. Include power to sewer pump station
x. Include conduit to utility transformer for pulse meter
xi. Provide electrical power to utility hot boxes for heat strips/heaters, even though not indicated
xii. Include all excavation, backfill and compaction requirements

c. Complete Electrical Power Distribution Systems
    i. Switchgear, Switchboards, Transformers, ATSs, ECBs
    ii. Panelboards, conduit, conductors, devices, trims, cable tray
    iii. Complete factory testing, start-up services, commissioning testing and training as required for this scope
        1. Include all associated costs of required visits to witness factory testing for specification compliance
    iv. Coordinate with BAS to support power metering as required
    v. Complete Surge Suppression/Protection as required
    vi. Complete Grounding System as required
    vii. Include raceways to exterior bollard ADA actuators and Card Access
    viii. Coordinate with BP-08C Doors & Hardware door for power and low-voltage wiring requirements
d. Complete Coordination Studies
    i. Contractor to include delegated design and scope for Overcurrent Protective Device and Arc Flash Coordination Study, Short Circuit Study, Overcurrent Protective Device Coordination Study, and Overcurrent Protective Device Arc-Flash Study
e. Complete Lighting and Controls
    i. Furnish & install all raceway, wiring, cabling, devices, relays, controllers, etc. and fixtures for a complete lighting system
    ii. Use non-marking or non-staining hand protection when handling and cleaning fixtures
    iii. Clean fixtures prior to Final Acceptance
    iv. Make final adjustments to timing switches and sensors as required
    v. Provide on-site assistance to Owner at six months from date of Final Acceptance to make any adjustments to lighting system
        1. Include two after-hours sessions for this purpose
f. Complete Fire Alarm system
    i. Furnish & install all raceway, wiring & devices for a complete Fire Alarm system to include a remote annunciator panel
    ii. Make connections to existing FA System as indicated on Drawing E-011
    iii. Update FA programming of primary FACP as required
    iv. All fire alarm wiring for tamper, flow, duct detectors, etc. shall be wired into fire alarm system under this bid package
    v. Furnish all required fire alarm devices including tamper and flow sensors to utility and fire sprinkler contractors for installation
    vi. Include monitoring of Knox Box (Automotive Center)

vii. Provide framed Device Map

g. Complete Communication (Data/Telecom) system
   i. Furnish & install all raceway, wiring, cabling & devices for a complete Communication system
   ii. Furnish & install telecommunication room equipment racks & cabinets, cable tray, cable support, power strips, grounding and UPS
   iii. Furnish & install all fire-rated plywood backboards for panels, data racks, electrical panels, etc.
   iv. Make connections to existing Communication System as indicated on Drawing E-011
   v. Update Communication System programming as required

h. Complete Security System
   i. Furnish & install all raceway, wiring, cabling & devices for a complete Security system
   ii. Make connections to existing Security System as indicated on Drawing E-011
   iii. Provide framed/laminated Zone List & Device Map as required
   iv. Update Security System programming as required

i. Complete PA System
   i. Furnish & install all raceway, wiring, cabling & devices for a complete PA system
   ii. Make connections to existing PA System as indicated on Drawing E-011
   iii. Update PA System programming as required

j. Complete CCTV system
   i. Furnish & install all raceway, wiring, cabling & devices for a complete CCTV system
   ii. Make connections to existing CCTV System as indicated on Drawing E-011
   iii. Update CCTV System programming as required
   iv. Provide framed/laminated Zone List & Device Map as required

k. Complete Access Control / Card Reader System
   i. Furnish & install all raceway, wiring, cabling & devices for a complete access control system
   ii. Make connections to existing Access Control System as indicated on Drawing E-011
   iii. Update Control System programming as required

l. Complete Radio Frequency (RF) BDA-Based Signal Booster System
   i. Include all cost associated with development of a design/plan to provide a new Radio Frequency (RF) BDA-Based Signal Booster System as specified to achieve the desired coverage within the new building as part of this scope
      1. Provide complete delegated design documents
      2. Design is to support VIPER network 700 & 800 MHz frequencies
      3. System shall be coordinated and integrated with Fire Alarm System
      4. Provide complete submittal information (device & equipment product data, shop drawings, design calculations, etc.)
   ii. Include all cost to furnish labor, materials and equipment to install and implement the above developed plan/system

1. Provide system compliance and acceptance documentation (Proof of Performance report, NFPA 72 & IFC510 documents, etc.)
2. Provide complete closeout documentation
3. All cabling must be plenum-rated

m. Construction Layout
   i. Complete layout of all electrical equipment, panel boards, conduits, underground, in-wall rough-in, etc. as required for this scope of work
   ii. Coordinate, layout and install sleeves for electrical penetrations through CMU walls. Electrical contractor is responsible for installation of all sleeves.

n. Complete Temporary Construction Electrical Services
   i. Provide temporary power and hookup to the CM Field Office and meeting trailers as coordinated with Construction Manager
      1. Temporary power to CM office trailer to be completed as early as possible
      2. Cost shall include initial installation cost, temporary electrical permit, meter pole and base, maintenance and removal
      3. Temporary usage costs are excluded from this bid scope
   ii. Provide temporary power "pig-tail" for use by BP-09F Polished Concrete and BP-09D Resilient Flooring (wood flooring refinishing); coordinate power requirements and locations
   iii. Furnish, install, maintain and remove at completion temporary electrical services to each work area
      1. Temporary power panels to have all GFIC breakers
      2. Coordinate routing of underground conduit for temporary electrical with Construction Manager
      3. Review weekly to insure safety compliance
      4. Conduct GFCI testing daily and document in field report to Construction Manager

o. Complete Temporary Construction Lighting
   i. Furnish, install, maintain and remove (when directed by Construction Manager) of all temporary lighting
      1. Temporary lighting shall be minimum 10fc; maintain minimum light levels throughout the project
      2. Review weekly to insure safety compliance
   ii. Fixtures salvaged for use as temporary lights shall be suspended on all four corners from structure

p. Complete underground interior and exterior excavation, backfill, compaction, etc.
   i. Subgrade to be properly compacted, fine graded and left ready for concrete prep or sitework to commence
   ii. Subcontractor is responsible for all soil compaction requirements associated with installation of its work

q. Complete Labeling and Identification
   i. Include all electrical labeling and identification requirements
   ii. Include all labeling and identification requirements for each system (FA, PA, CCTV, Card Access, RF-BDA, etc.) installed under this bid scope

iii. Include all conductor identification materials as specified for all raceway run under this bid package including but not limited to: electrical, fire alarm, data, security, site, etc.
    1. Provide permanent color pigmented conduit in all areas above ceiling in lieu of vinyl identification
iv. Include all device labeling and identification

r. Provide all required testing and record documentation to include, but not limited to:
    i. Conductor and Megger testing
    ii. Grounding and Bonding
    iii. Transformers
    iv. Automatic Transfer Switches (ATS)
    v. Ground Fault, Arc Flash and Short-Circuit Studies
    vi. Communications backbone & horizontal cabling
    vii. FA System
    viii. RF-DBA System
    ix. CCTV, Security, PA, Card Access and other systems as required to document operational status
    x. Furnish NFPA 72 and NFPA 110 testing certifications prior to scheduling architect/engineer walkthroughs

s. Allowances

General Notes:

a. Include all delegated design requirements
b. Include all seismic control requirements
c. Include all excavation, backfill and compaction requirements
d. Include all cost associated with demonstration of specification compliance to include associated repairs
    i. Subcontractor shall be responsible for all costs (initial testing, re-testing, corrective measures, repairs, etc.) at no additional cost to the project when its installation fails to meet compliance
    ii. Owner and Construction Manager reserve the right to request additional testing in the event of significant or continual test failures
    iii. Coordinate with Construction Manager for scheduling of inspections
e. Building and Trade permits will be provided by Owner thru Construction Manager
    i. Subcontractor shall obtain and activate its respective permits
    ii. Subcontractor shall be responsible for all re-inspection fees and associated costs
f. Coordinate work such that building permanent power/wiring distribution is ready for provide power for HVAC equipment startup to establish building climate control. Ensure permanent lighting systems are ready at the time of starting interior finishes.
g. Provide adequate manpower for running of electrical raceway within masonry construction. Electrical crews shall work same hours as masonry contractor as required for weather, regardless of schedule of electrical work, during CMU masonry installation.

h. Include all grounding and bonding work (bonding to foundation, fire suppression, electrical static dissipative (ESD) tile, fencing, etc.) with associated test reports as required for the project
i. Provide power to all equipment including final connections that is furnished by others which requires power (i.e. doesn't plug in) including, but not limited to plumbing equipment, HVAC equipment, Food Service Equipment, Division 10, Division 11, kitchen hood, laundry equipment and fire suppression system
j. Electrical contractor shall coordinate all breaker sizes with food service and other equipment prior to ordering. No additional cost will be allowed for breaker sizes ordered incorrectly.
k. Furnish & install motor starters, disconnects switches and combo starters for HVAC and Plumbing equipment under this bid scope or indicated within the Construction Documents
    i. Items marked "Provided with unit" are to be furnished & installed under BP-23A Mechanical or BP-22A Plumbing as noted
l. For all electrical and starters for roof top equipment that cannot be mounted on individual equipment, provide rack-style frame for mounting all roof top equipment, disconnects, starters, etc.
    i. Rack shall consist of (2) 2" galvanized steel pipe supports with screw on caps connected to bar joist structure prior to roofing
    ii. Provide galvanized Unistrut support between pipe supports to mount starters and disconnects
    iii. Roofer shall flash in pipe supports
m. Final cleaning of all electrical work is included in this scope
n. Broom clean roof after each day working on roof. Electrical contractor will be responsible for roof damage and discoloration from metal shavings or fasteners left on roof associated with Electrical installation.
o. Unless specifically noted in the "Specific Exclusions" of this bid package, provide all concrete materials as required for this scope of work inclusive of any layout, forming, excavation, concrete placement equipment, etc.
    i. All exposed concrete shall be rubbed and patched as required to remove surfaces defects

Allowances

Include all stated allowances outlined within this bid package

Use of any allowance shall be as directed by Construction Manager and supported with sufficient documentation as required. Any work performed without prior written authorization will be considered as a requirement to complete the scope of work in this bid package and at no cost to the project

a. Include as **Allowances for designated scope and quantity**, installed as directed by Construction Manager and shall be based upon indicated Quantities and Unit Prices:

    Allowances #1 thru #3 as indicated:

    a. Allowances shall include all associated cost for purchase of materials, transportation, placement, compaction and quantity verification:

#1--Unsuitable soils (Trench) removal & disposal **OFF-SITE** **25 CY**
#2--Replacement of unsuitable soils (Trench) with select import fill **25 CY**
#3--Replacement of unsuitable soils (Trench) with #78 stone **20 Tons**

b. Allowances to include all requirements outlined within this bid package

b. Include as **Allowances for designated scope and quantity**, installed as directed by Construction Manager and shall be based upon indicated Quantities and Unit Prices:

Allowances #4 thru #9 as indicated:

a. Furnish and install specified fixture with 100' of conduit and wire inclusive of all required boxes, hangers, supports, terminations, programming, testing, etc:
   - #4 Horn Strobe; **three (3) each**
   - #5 Exit Light; **three (3) each**
   - #6 Smoke Detector; **three (3) each**
   - #7 Duplex Outlet; **three (3) each**
   - #8 Data outlet; **three (3) each**
   - #9 Duct Detector; **three (3) each**

b. Allowances to include all requirements outlined within this bid package

9. Site Access Requirements

Subcontractor must conduct a 50-state background check and e-verify compliance for all personnel associated with the project

a. Submit completed Exhibit L—Lunsford Act & E-verify documentation to Construction Manager for Owner review and approval in advance of worker arriving on-site; same day approval **cannot** be granted.
b. All personnel, while on-site, must wear a plastic laminated photo identification badge that identifies person's name and employer. Badges are to be computer produced with a font large enough to be clearly visible. The ID badge template will be made available to successful prime contractors. All costs associated with criminal background checks, e-verification and ID Badging are the responsibility of each Subcontractor.
c. This a contractual requirement applicable to all personnel and all lower-tier subcontractors. Delivery drivers may be exempt with prior written approval from Construction Manager; submit request in advance.
d. Construction Manager and Owner reserve their right to deny any individual access to job-site for any reasonable condition

10. Special Inspections are required on this project
    a. Refer to Specifications and Drawings for schedule of special inspections as well as any other applicable specifications sections
    b. Coordinate with special inspector, testing agencies, local inspectors and/or Engineer of Record as may be required
    c. Include all associated cost to participate and support Special Inspections
11. Forklifts will not be allowed on finished slab on grade areas:
    a. Feed materials from the exterior
    b. Utilize pallet jacks to feed materials on finished slab areas where feeding from exterior is not feasible

c. Scissor lifts and other non-marking equipment may be allowed upon review of Subcontractor's erection plan with Construction Manager and receipt of written authorization thereof

12. Wash out all concrete materials in washout location, see Site Logistics Plan
    a. Maintain washout as needed for removal of concrete materials
    b. Consolidate all concrete rubble to a central point as directed by Construction Manager for removal by BP-31A Turnkey Site
    c. General waste construction container is not suitable for concrete waste disposal
13. Provide all traffic control, flagging, guides, signage, etc. as required for this scope
14. Permanent roads will be expedited along with temporary drive and laydown areas shown on Site Logistics Plan
    a. Subcontractor shall take special care to stay on temporary drives during inclement weather
15. Subcontractor shall repair all land disturbances caused by equipment under this bid scope regardless of wet/dry conditions to include, but not limited to, repair of rutting, damages to erosion control measures, damage to temporary or permanent roads, curbing, etc.
    a. Restore all disturbed areas to equal or better condition than original
16. Maintain all roads, streets, parking, etc. free and clear of any mud or debris created by this trade and its deliveries; clean-up shall occur immediately
    a. Sufficient personnel & equipment shall be on-site at all times to expedite this work
    b. Spillage of water, materials, etc. in public traffic areas shall be immediately cleaned
17. Inspect all substrates and conditions for suitability to receive work under this scope prior to starting work
    a. Advise Construction Manager immediately in writing of any deficiencies or issue
    b. Commencement of work guarantees acceptance of conditions
18. Daily clean-up of all trash and debris caused by this work
19. Furnish all ladders, lifts, shoring, scaffolding, etc. as required for this work
20. Furnish all supplemental lighting and power as required for this scope
21. Include field measure of all work in this bid scope prior to fabrication
22. Include all necessary mobilizations, multiple crews and equipment, night and weekend shifts as required or directed by Construction Manager to complete the work
23. Protect all work under this scope from damage until accepted by Owner
    a. Protect adjacent surfaces from damage by this scope of work. Any damage to adjacent surfaces or work during execution of this scope shall be repaired or replaced by this Subcontractor at no additional cost to Construction Manager
    b. Repairs shall be finished to match existing or adjacent construction
    c. Patch and repair all building finishes, structural components or other appurtenances that are removed or damaged as a result of performance of this scope. Repair work shall include finishes, components, substructure and materials required for the installation of such work in accordance with standard practices and shall be finished to match existing or adjacent conditions.
    d. Protect roadways and parking areas from damage caused by loading, unloading & staging of materials and equipment, hoisting & lifting activities, cranes, etc. All repair costs shall be borne by subcontractor responsible for said damages.

24. Subcontractor is responsible for all corrective repairs resulting from its defective workmanship
25. All corrective and repair work shall be performed within 24-hours after notification and shall be accepted prior to payment issuance to Subcontractor for said work performed
26. OSHA Safety measures shall be required and implemented
    a. Delivery drivers shall wear proper PPE while on site (staging, off-loading, etc.)
27. Project planning, to include, but not limited to
    a. Participation in development of Master Construction Schedule
    b. Submit a Job Hazardous Analysis (JHA) for each definable feature of work in advance of work start
    c. Participation by foreman and all workers in a Preparatory Meeting to review JHA, safety requirements, proposed work, approved submittals and other applicable construction documents prior to starting work
28. Provide all warranties, guarantees, extended service agreements, training, etc. as required
29. Pricing is firm, not subject to escalation for duration of project

SPECIFIC EXCLUSIONS

1. Firestopping of electrical penetrations is excluded from this bid scope. Subcontractor is responsible for all coordination, sleeving, and preparation of all electrical penetrations with firestopping subcontractor under bid package BP-07E, Firestopping
2. Temporary and permanent electrical usage costs are excluded from this bid scope
3. Site lighting will be provided by utility company
4. Interior housekeeping pads are excluded from this bid scope and will be provided under BP-03A, Concrete Turnkey
5. HVAC Controls and raceway is excluded from this bid scope, provided under BP-23A HVAC
6. Conduit, wiring and tamper switches to BFP/RPZ and PIV; not applicable
7. Conduit and wiring to provide electrical power to utility hot boxes; not applicable

ALLOWANCES

1.	Unsuitable soils (Trench) removal & disposal OFF-SITE	**25 CY**
2.	Replacement of unsuitable soils (Trench) with select import fill	**25 CY**
3.	Replacement of unsuitable soils (Trench) with #78 stone	**20 Tons**
4.	Horn Strobe	**3 each**
5.	Exit Light	**3 each**
6.	Smoke Detector	**3 each**
7.	Duplex Receptacle	**3 each**
8.	Data Outlet	**3 each**
9.	Duct Detector	**3 each**

UNIT PRICES

UP-01	Unsuitable soils (Trench) removal and disposal OFF-SITE	**$ / CY**
UP-02	Replacement of unsuitable soils (Trench) with select import fill	**$ / CY**
UP-03	Replacement of unsuitable soils (Trench) with #78 stone	**$ / Ton**
UP-04	Horn Strobe	**$ / each**
UP-05	Exit Light	**$ / each**

UP-06	Smoke Detector	**$ / each**
UP-07	Duplex Receptacle	**$ / each**
UP-08	Data Outlet	**$ / each**
UP-09	Duct Detector	**$ / each**

ALTERNATES

Alternate C-6, Owner Preferred Brand – Open Options Software Integration, if selected by Owner, shall include any specific or special requirements, above and beyond that of the base bid, to support the indicated Preferred Brand:

- **Base Bid:** Provide a complete card access control system installation as required to support the project
- **Alternate:** Provide a complete card access control installation using devices and electronic locks compatible with **Open Options Software** as required to support the project. Installation must fully integrate with Owner's existing **Open Options Software** access control system.
- If there is no cost difference between Base Bid and Alternate, then Alternate C-6 bid shall be "No Cost"; otherwise, indicate the net cost difference to provide Owner Preferred Brand
- Include all requirements within this bid package

Alternate C-7, Owner Preferred Brand – Video Insight CCTV System, if selected by Owner, shall include any specific or special requirements, above and beyond that of the base bid, to support the indicated Preferred Brand:

- **Base Bid:** Provide a complete CCTV system installation as required to support the project
- **Alternate:** Provide a complete **Video Insight** CCTV system installation as required to support the project. Installation must fully integrate with Owner's existing **Video Insight** CCTV system.
- If there is no cost difference between Base Bid and Alternate, then Alternate C-7 bid shall be "No Cost"; otherwise, indicate the net cost difference to provide Owner Preferred Brand
- Include all requirements within this bid package

Alternate C-8, Owner Preferred Brand – Notifier Fire Alarm System, if selected by Owner, shall include any specific or special requirements, above and beyond that of the base bid, to support the indicated Preferred Brand:

- **Base Bid:** Provide a complete fire alarm system installation as required to support the project
- **Alternate:** Provide a complete **Notifier** fire alarm system installation as required to support the project. Installation must fully integrate with Owner's existing **Notifier** fire alarm system.
- If there is no cost difference between Base Bid and Alternate, then Alternate C-8 bid shall be "No Cost"; otherwise, indicate the net cost difference to provide Owner Preferred Brand
- Include all requirements within this bid package

Alternate C-9, Owner Preferred Brand – Ademco 128FP Security System, if selected by Owner, shall include any specific or special requirements, above and beyond that of the base bid, to support the indicated Preferred Brand:

- **Base Bid:** Provide a complete security system installation as required to support the project
- **Alternate:** Provide a complete **Ademco** security system installation as required to support the project. Installation must fully integrate with Owner's existing **Ademco 128FP Security System**.
- If there is no cost difference between Base Bid and Alternate, then Alternate C-9 bid shall be "No Cost"; otherwise, indicate the net cost difference to provide Owner Preferred Brand
- Include all requirements within this bid package

Alternate C-10, Automotive Center—Provide Motorized Overhead Door, if selected by Owner, shall include any specific or special requirements, above and beyond that of the base bid, to support the indicated Alternate scope:

- **Base Bid:** Provide two (2) manual-operated overhead doors and one (1) motorized overhead door to include all associated controls and final connection at power source junction box. Electrical circuits for power will be installed to a junction box above each door as indicated on drawings.
- **Alternate:** Provide cost to convert one (1) manual-operated overhead door to a motorized-overhead door to include all associated controls and final connection at power source junction box
- If there is no cost difference between Base Bid and Alternate, then Alternate C-10 bid shall be "No Cost"; otherwise, indicate the net cost difference to provide Alternate scope
- Include all requirements within this bid package

Subcontractor Scope of Work
Exhibit A

The Coast Academy
Job No. 1953

BP 31A – Turnkey Site

This bid package is intended to be complementary to the Contract Documents including the Project Drawings, Specifications, Addendum, and Project Manual. Subcontractor acknowledges that the Subcontractor Specific Requirements are not intended to describe the complete and final work scope. Reference is made to the Specifications Sections, but is in no way intended to limit or alter the intent of the contract documents.

Subcontractor shall perform all work and shall furnish all layout, supervision, materials, labor, scaffolding, tools, equipment, supplies, services, rigging, craning and hoisting of all materials and equipment, temporary protection of own work, coordination of own work and interaction of work of others, home office and field administration, project management, scheduling, field supervision, engineering, quality control, safety, taxes, insurances, permits, punch list, closeouts and all other things necessary or reasonably incidental for the construction and completion of their work as portrayed in the enclosed enumerated contract documents and specification sections as referenced below:

SUBCONTRACTOR'S WORK SPECIFICALLY INCLUDES:

Bordeaux Bidding Requirements and Information 4/27/2020

Division 01 – General Requirements
Division 03 – Cast-in-place Concrete (as it applies to this scope)
Division 05 – Metals
Section 055000 Metal Fabrications (as it applies to this scope)
Division 22 – Plumbing (as it applies to this scope)
Division 26 – Electrical (as it applies to this scope)
Division 31 – Earthwork
Complete Division with exception of:
Section 313116 Termite Control (excluded from this scope)
Division 32 – Exterior Improvements
Section 321123 Aggregate Base Course
Section 321216 Bituminous Concrete Paving
Section 321313 Concrete Paving for Sidewalks
Section 321613 Concrete Curbing
Section 321723 Pavement Markings
Section 329113 Soil Preparation
Section 329200 Plants
Section 329219 Seeding

Section 329223 Sodding
Section 329700 Landscape Maintenance and Warranty

Division 33 – Utilities
Section 334000 Storm Drainage Piping
Section 334600 Subdrainage
Section 334913 Manholes and Covers

All Related Sections/Requirements referenced within each Division and/or section

SUBCONTRACTOR SPECIFIC REQUIREMENTS:

1. Payment and performance bond are required for this bid scope. Cost of payment and performance bonds are included in the base bid price.
2. BP-01 General Inclusion Items as applicable to complete Work
3. The on-site foreman or superintendent for this work scope shall have a cellular service enabled iPad with iOS 10.2.1 or later and equipped with a durable LifeProof protective case or equivalent. The iPad shall have the latest version of the Procore Construction Management Software application installed in order to have all live project documents, drawings, submittals, etc. in hand and immediately accessible.
4. Complete installation of work in this bid scope in accordance with all local, state and federal (OSHA) safety regulations and/or requirements; OSHA Safety measures shall be required and implemented
5. Complete turnkey site work as outlined in the construction documents and within this scope package
6. The following is a general outline of the items specifically included, but not limited to:

    a. **Surveying** complete:
        i. Furnish all labor, materials, equipment, etc. as required to make a complete installation of all surveying requirements to include, but not limited to:
            1. Establish a minimum of two new permanent benchmarks
            2. Survey and establish Limits of Construction/Disturbance
            3. Survey and establish benchmarks and control lines for all buildings
            4. Survey and establish building corners (10' offset)
            5. Staking of sediment ponds, swells, ditches, etc.
            6. Staking for pavements (asphalt, concrete, curb & gutter)
            7. As-built survey of all anchor bolts and elevations
                a. Provide Survey to Construction Manager
                b. Notify immediately Construction Manager of all deviations from anchor bolt layout plan
            8. Final Site As-built Survey of Building
            9. As-built survey of all site utilities
            10. Certified survey and final property survey showing boundary lines, monuments, streets, improvements, grade contours, etc.
                a. Ref. Specifications 017300 – 3.4-C

ii. Schedule work at the direction of the Construction Manager
iii. Coordinate installation of benchmarks and control lines with Construction Manager. Notify Construction Manager immediately of any discrepancies
iv. Provide As-Built Anchor Bolt Survey to Construction Manager; notify Construction Manager immediately of all deviations from anchor bolt layout plan

b. **Construction Layout** complete:
   i. Include cost for all construction layout and staking required to complete the work in this scope
   ii. Include cost to protect, transfer and maintain all staking installed by others. Re-staking costs will be borne by this Subcontractor
   iii. Benchmark elevations and CAD files will be provided for surveyors use
      1. Surveyor shall be a registered surveyor in the State of North Carolina
      2. Final as-built survey of Stormwater BMPs is <u>not</u> included in this survey requirement

c. **Earthwork** complete:
   i. Tree-protection fence
   ii. Site Grading
   iii. Screened Topsoil & fine grading of topsoil
   iv. Surveying, staking and layout for work included in this bid scope
   v. All erosion control measures & required maintenance including:
      1. Construction entrances
         a. Maintain as required or directed by Construction Manager
         b. Provide wash stations as required to maintain clean pavements
      2. Silt fence and Super silt fence; stone outlets
      3. Diversion Ditches
      4. Check dams
      5. Rip Rap
      6. Geotextile fabrics as required
      7. Jute matting and other stabilization materials as required
      8. Inlet protection
         a. Silt socks, stone, fabric, silt sacks, etc. as specified
         b. Protect new and existing structures, even though not indicated
      9. Temporary seed
      10. Inlet protection – silt socks, stone, fabric as specified
      11. Temporary culvert protection

d. **Storm drainage and roof drainage systems** complete:
   i. All storm drainage piping
   ii. All storm drainage structures (catch basins, yard inlets, drop inlets; manholes, rings & covers)
   iii. Rip Rap
   iv. Bedding materials as required
   v. Concrete aprons & rings at cleanouts, valve boxes, inlets, etc.
   vi. Cleanouts as required
   vii. Roof drainage collection system

1. Include all cleanouts for roof drainage system and connections
2. Include connection to roof drainage downspouts as required
3. Include all metal downspout boots
    a. Powder coast finish to match downspouts

viii. Include connection to Condensate Basin installed under BP-22A Plumbing as noted on Drawings C-3.0 & P-101 and Detail M/P-001

e. **Exterior Improvements** complete:
    i. Asphalt pavements
        1. Include milling as required
        2. Patch & repair pavements as required
        3. Include pavement overlays as indicated
        4. Saw cut and square pavements as required
    ii. Aggregate Base Course
    iii. Striping, markings and signage
        1. Include restripe existing parking lot
        2. Include all traffic signage
        3. Include concrete wheel stops as indicated
    iv. Site Concrete:
        1. Replacement and restoration of sidewalks and curbs
        2. Include all site sidewalks complete
            a. Include handicap ramps as required
            b. Include truncated domes as required
        3. Include all concrete Curb & Gutter
            a. Include curb cuts as indicated
        4. Include all site bollards complete
            a. Include concrete footing/base and pipe fill, backfill, grout, etc.
            b. Bollard (steel pipe) furnished under BP-05A
        5. Include all exterior pads for MEP equipment; coordinate size(s) with respective trades
        6. Include saw cut and square sidewalks and curbs as required

f. **Utilities** complete:
    i. Site Domestic Water to within 5’ of building
        1. Include service saddle connection for domestic water
        2. Include water meter setter and associated hot box
            a. Water meter installed by utility provider
            b. Interior BFP device installed by BP-22A Plumbing
    ii. Relocate existing fire hydrant
        1. Include new TSV-8x6 for hydrant connection
        2. Include new gate valve
        3. Close valve and abandon in-place, install Megalug end cap and trust block restraint to cap & seal existing connection; remove valve box
    iii. Sanitary Sewer to within 5’ of building to include all manholes, cleanouts, etc.
        1. Include all manholes, cleanouts, etc.
        2. Make necessary adjustments to cleanouts, ring & covers, valve boxes, inlet grates, etc. to meet grade

3. Include complete installation of Oil-Sand Separator

iv. Sanitary Sewer Pump Station and Force Main complete

v. Temporary Construction

1. Provide domestic water service to Construction Manager's Field Office
2. Provide temporary water hook-up for masonry and general construction use; coordinate location with Construction Manager

g. **Landscaping complete**:

i. Include all exterior planting, shrub & tree materials

ii. Include all fine grading and preparing of lawns areas

iii. Include all soil amendments for lawns, grasses and plant materials

iv. Include all fertilizers & lime; anti-desiccants & herbicides

v. Include all final seeding

vi. Include all sod

1. Include sod within 10' of pavement edges, curbs, sidewalks and buildings
2. All disturbed lawn areas are to be restored with sod
3. Include all necessary watering and maintenance to promote establishment of lawn areas

vii. Include all mulch (hardwood & straw) & tacifier as required

viii. Include turf renovation of all disturbed areas by this project

ix. Include complete and full Landscape Maintenance & Warranty requirements

h. Allowances

i. Include all stated allowances as outlined within this bid package

i. Site Access Requirements

Subcontractor must conduct a 50-state background check and e-verify compliance for all personnel associated with the project

i. Submit completed Exhibit L—Lunsford Act & E-verify documentation to Construction Manager for Owner review and approval in advance of worker arriving on-site; same day approval cannot be granted.

ii. All personnel, while on-site, must wear a plastic laminated photo identification badge that identifies person's name and employer. Badges are to be computer produced with a font large enough to be clearly visible. The ID badge template will be made available to successful prime contractors. All costs associated with criminal background checks, e-verification and ID Badging are the responsibility of each Subcontractor.

iii. This a contractual requirement applicable to all personnel and all lower-tier subcontractors. Delivery drivers may be exempt with prior written approval from Construction Manager; submit request in advance.

iv. Construction Manager and Owner reserve their right to deny any individual access to job-site for any reasonable condition

7. <u>General Turnkey Site Requirements:</u>

a. Coordinate installation of work in this bid scope with local, state and federal requirements. All work shall be in accordance with all local AHJ, NCDOT, OSHA, NCDENR, and NCDEMLR standards and specifications. Notify Construction Manager

of any conflicts between Contract Documents and Agency requirements prior to beginning work

b. Provide all excavation and earthwork in full compliance with OSHA trench and shoring requirements including any temporary shoring, benching, fall protection, egress requirements, etc.
c. Subcontractor shall provide and maintain a construction activity pollution prevention plan. Plan must be submitted to Construction Manager within 30 days from notice to proceed and documentation of plan execution will need to be submitted to construction manager with monthly pay application. At a minimum, plan shall address inspection and reporting requirements and procedures, construction entrance, surface stabilization, run off control, run off conveyance, outlet protection, inlet protection, sediment tramp installation and maintenance. Provide copies of all paperwork and reporting to Construction Manager on a weekly basis.
d. Complete and full compliance with underground location requirements as required by law:
    i. Contact North Carolina 811 (aka "NC One Call") at least 72 hours prior to construction or excavation by dialing 811
    ii. Provide Construction Manager with NC 811 locate ticket number prior to commencement of work
    iii. Advise Construction Manager of any underground conflict with proposed work prior to commencement of work
e. Schedule is schematic in nature and will be adjusted once approved subcontractors are on board
f. All "local" dewatering measures as required for this scope; well pointing and other "whole site" dewatering methods are not anticipated
g. Restore all disturbed areas to equal or better condition than original
h. Daily clean-up of all trash and debris of the exterior site
i. Perform quality control testing to demonstrate compliance with contract documents in advance of Owner provided Third Party testing
    i. Cost of re-testing of Owner Third Party testing shall be borne by this Subcontractor as it relates to this scope of work
j. Include cost to haul off all concrete rubble, masonry rubble and footing spoils under this bid scope
    i. Concrete and masonry rubble will be provided to a central location by the mason and concrete contractors
    ii. Footing spoils will be provided to a central location by the footing contractor; footing spoils shall be assumed to be hauled off
k. Construct and maintain Concrete Washout locations
    i. Coordinate washout locations with Construction Manager
    ii. Install necessary identification signage as required
    iii. Include planned and periodic maintenance of washouts as required
    iv. Include removal and off-site disposal of concrete waste, materials and debris
l. Legally dispose of all concrete and asphalt waste materials and debris; general construction waste container is not suitable for this use.

8. **Earthwork and Storm Drainage Requirements:**
    a. Install, maintain and remove all erosion control measures per Plans and Specifications through the duration of the project
        i. Include all required inspections, documentation and maintenance of NCDENR requirements
        ii. Self-inspection report ("NCDENR log") for land disturbing activity as required by NCGS 113A-54.1 15A NCAC 04B .0131
        iii. Self-inspections shall be maintained on-site in Construction Manager's office
        iv. Restore site as required
    b. Burning on site will not be permitted
    c. Remove temporary erosion control measures as specified in erosion control phasing and with approval from Department of Natural Resources (DENR) inspector
    d. After completion of the temporary sediment basin, install temporary seed and jute matting on all slopes of detention basin
    e. Provide and maintain construction entrance(s) as indicated on the Site Logistics Plan and Project Documents. Construction entrance(s) to be maintained accessible to vehicular traffic, free from ruts, bumps, potholes, etc. for duration of the Work.
    f. Subcontractor shall install jute matting on all slopes 2:1 or greater including erosion control ponds. Contractor shall include development of swales and corrugated drainage piping at the top of slopes greater than 4:1 to conduct water to bottom of slope.
    g. Subcontractor acknowledges that there is no long-term storage on site available for surplus materials, topsoil, etc
        i. All materials shall be removed from the site at time of excavation
        ii. Location of any temporary stockpile shall be coordinated with Construction Manager prior to establishing stockpile
        iii. Temporary stockpiles shall not be located such that they delay construction of utilities, storm drainage, parking lots, access roads, etc.
        iv. Temporary stockpiles are granted approval at sole discretion of Construction Manager
    h. Include cost to remove any contaminated stone from permanent drives used during construction and replace with salvaged stone in base bid
    i. Include all necessary demolition to included, but not limited to, saw cut and removal of existing C&G, pavement, concrete sidewalk, storm drainage, fencing, fire hydrants, water lines, sewer lines, sewer lines, etc.
    j. Include all necessary clearing, and stripping of site. Contractor may elect to chip stumps and utilize mulch for stabilization of slopes/areas as directed by construction manager
    k. Provide dust control as necessary to complete this scope of work and as directed by Construction Manager
    l. Comply with all notes on plans and specifications regarding land disturbing activities
        i. Provide all rough-grading and fine grading activities to within +/- 0.10'
        ii. Backfill and compaction in accordance with specifications
        iii. Provide proof roll of all structural areas including building pad, paving, fire lanes, etc.

iv. Include coordination with testing agency
v. Materials testing is by Owner, however, Subcontractor is responsible for any re-testing due to failed tests caused by Subcontractor

m. Legally dispose of all exported materials and debris
n. Protect & seal exposed subgrades on a daily basis
o. Maintain positive drainage throughout project to eliminate and ensure no standing water on-site
p. All topsoil shall be screened
q. **Screened Topsoil requirement will be strictly enforced**. Subcontractor should include cost to material screen all topsoil on-site prior to installation. It is understood that the requirement for screened topsoil may be above requirements as indicated in the specification. At Subcontractor's option, import of off-site suitable screened material to specified depths may be utilized in lieu of on-site screening. Topsoil to be graded to +/- 0.10' and free of rocks, roots, trash or any other debris. While hand-raking, disking and any other methods of removing deleterious materials from topsoil are encouraged, they will not be acceptable as the sole source procedure for topsoil preparation. Topsoil depth for all lawn areas to be 6"; maximum particle size ½" 100% passing.
r. Provide pre-cast "donuts" for any cleanouts provided under this bid scope
s. Backfill exterior perimeter of the foundation slab after completion of below grade waterproofing
t. Backfill exterior footings as required to make project safe and in preparation for other work
u. Backfill curb and gutter and sidewalk immediately following completion of these trades, but no less than weekly during curb and gutter and sidewalk installation
v. Grading contractor shall keep adequate equipment and operator on-site to ensure **positive drainage** from building and to keep ruts knocked down. Roll site smooth with a smooth drum vibratory roller. Frequency of site maintenance shall be prior to each rain event, but in no case occur less frequent than weekly.
w. Subcontractor shall include costs to flush out all storm drain lines of any sediment accumulated during construction. Care shall be taken to minimize sediment allowed to enter storm drain through use and rigorous routine maintenance of inlet protection under this bid scope. Notify Construction Manager prior to flushing
x. Include dewatering and removal of wet soils, mud, trash & debris, etc. as required to prepare masonry walls for backfilling

9. Bituminous Asphalt Concrete Pavement Requirements:

a. Adjust manhole covers, cleanouts, valve covers, etc. as required to ensure paving is flush
b. Traffic signage shall include all handicap signage, stop signs, yield signs, speed bumps, etc. inclusive of excavation, posts, hardware, installation and concrete as required
c. Include tack coat as specified at all pavement joints to existing pavements
d. Include tack coat, prime coat and herbicide treatment as required
e. Include cost to clean binder of all debris, mud, etc. as required prior to installing final asphalt surface course; include tack coat as required

f. All pavement markings in Public Rights-of-Way shall be thermoplastic

10. <u>Concrete Pavement & Site Concrete Requirements:</u>

a. Site concrete shall include required fine grading, stone base, reinforcement, forming, and finishing as specified
b. Include all fabrication, delivery, materials, and material handling (crane, pump, buggy) as required for the Work
c. Include all handicap ramps as required, even though not indicated
d. Include all truncated domes as required, even though not indicated
e. Coordinate troweled finish to broomed finish transition occurs under door frame & threshold. Include saw cut and/or removal and replacement of any concrete that does not occur under a frame or threshold (i.e. troweled finishes visible from the exterior will not be accepted)
f. Site concrete adjacent to buildings shall be held down ½" to ensure positive drainage away from building
    i. Coordinate exterior door transitions to ensure positive drainage from building
    ii. Care shall be taken to ensure concrete maintains ADA accessibility
    iii. Remove and replace any concrete installed under this bid package without positive drainage or out of compliance with ADA
g. Provide concrete including all necessary admixtures and additives in compliance with specification and hot and cold weather concrete procedures including, but not limited to, water reducing admixture, hot water, cold water, ice, retardant, super-plasticizer, air entrainment, fly ash, etc.
h. Furnish any required concrete blankets or temporary heat for cold weather concrete. Review cold weather procedures with Construction Manager prior to all placements
i. Include void caps at all joints indicated to be caulked, especially between building and sidewalks

11. <u>Site Utility Requirements:</u>

a. Complete excavation, bedding course installation, concrete base supports and backfill per specifications
b. Provide open cut and patch for all water, sewer and storm drainage crossings of public streets, roads and drives. Include costs for steel plates as required. Subcontractor may, at their option, jack and bore at no additional cost to the project. Coordinate connection with AHJ and Construction Manager
c. Provide all specified separations between sanitary sewers in relation to water and storm sewers. Notify Construction Manager immediately if any separations are not possible
d. Provide thrust restraints as specified for all work installed under this bid scope
e. Include concrete pads for valve boxes, hot boxes and cleanouts installed under this bid scope
f. Connect to sanitary sewer stub outs by BP-22A Plumbing. Include necessary coordination for locating and connecting as part of this bid scope.
g. Provide detectable marking tape and wire as specified for all work installed under this bid scope

h. Provide temporary metered water connection to Construction Manager Office. Remove temporary water at completion of project or as directed by Construction Manager. Usage fees paid for by Construction Manager
i. Include cost to provide and install "meter setter", water meter and meter box in base bid
    i. Water meter and tap fees will be provided for by others
    ii. Meter shall be established in Construction Manager's name unless otherwise directed
    iii. All temporary usage fees are paid by Construction Manager
j. Include flushing and chlorination of domestic potable water lines
    i. Provide bacteria test report for site water line
    ii. Dechlorination method to be approved by AHJ
    iii. Extend invitation to Construction Manager and fire protection contractor to witness flushing of domestic and fire lines
    iv. Provide NFPA 24 Certification at completion of site fire lines
    v. Provide pressure testing of domestic water lines to point of connection with plumbing contractor
k. Include certification for all backflow (RPZ/BFP) devices provided by this scope
    i. A representative certified in backflow prevention assembly in the State of North Carolina and acceptable to Owner must be employed for this work
l. Include video verification of sewer line integrity for AHJ acceptance as required
m. Include all trenching requirements to include trench boxes, shoring, dewatering, etc.
n. All utility piping shall have ends sealed on a daily basis to prevent water, dirt, silt, debris, etc. from entering
o. All penetrations thru Basement foundation walls created by this scope shall be made watertight to include core drilling and link seals. Restore any below grade waterproofing
p. Coordinate with Utility Service providers as required:
    i. Include under pavement sleeves where required
    ii. Utility Company shall not open cut pavement structures after permanent CABC has been installed
    iii. Subcontractor shall be responsible for any restoration of subgrade, geotextile fabrics, CABC, curb & gutter, etc. at no cost to the project
q. Remove obstructions as required to install utilities; restore conditions as required

12. <u>Landscape Requirements:</u>

a. Water source for watering plants and grasses to be provided by Construction Manager including usage costs
    i. Irrigation is not part of the project
    ii. Include all necessary sprinklers, hoses, etc. as required to establish and maintain plants and lawns through construction
b. Permanent seeding may occur outside of specified growing window:
    i. Include temporary seeding as specified and reseed with permanent seeding as required
    ii. Include a line item for permanent seeding on the Schedule of Values

iii. Maintain temporary grass until substantial completion or Lawn Acceptance, whichever occurs first

c. Include fine grade, preparation, removal of small rocks/roots and soil amendments (fertilizer, lime, organic and inorganic amendments, etc.) as specified
d. Include testing of topsoil as required for this bid scope
e. Include all guys and staking requirements
    i. Remove guys & staking one year (12 months) after acceptance
f. Include layout of plantings, shrubs & trees
g. Include initial maintenance
    i. Include all turf maintenance requirements
h. Mow lawn areas as specified through lawn acceptance
i. Furnish "Gatorbags" or equal on all exterior trees and plantings; remove as directed by Construction Manager

13. <u>Allowances:</u>

Include all stated allowances as outlined within this bid package

Use of any allowances shall be as directed by Construction Manager and supported with sufficient documentation as required to include quantification by Geotechnical Engineer. Any work performed <u>without prior written authorization</u> will be considered as a requirement to complete the scope of work in this bid package and at no cost to the project.

1. Include as **Allowances for designated scope and quantity**, installed as directed by Construction Manager and shall be based upon indicated Quantities and Unit Prices:
    a. **Allowances #1 thru #10** as indicated:

#01--Crushed Stone (NCDOT ABC)	**50 Tons**
#02--Geotextile Fabric	**250 SY**
#03--Subsurface Drains	**100 LF**
#04--Unsuitable soils (Mass) removal and disposal **OFF-SITE**	**100 CY**
#05--Unsuitable soils (Trench) removal and disposal **OFF-SITE**	**100 CY**
$06--Replacement of unsuitable soils (Mass) with select import fill	**100 CY**
#07--Replacement of unsuitable soils (Mass) with CABC stone	**50 tons**
#08--Replacement of unsuitable soils (Trench) with select import fill	**100 CY**
#09--Replacement of unsuitable soils (Trench) with #57 stone	**50 Tons**
#10--Geogrid, BX-1100 or equal	**250 SY**

    b. Allowances shall include all associated cost for purchase of materials, transportation, placement, compaction and quantity verification
    c. Sidewalk replacement to match width and thickness of existing
    d. Allowances to include all requirements outlined within this bid package

2. Include an **Allowance** for **additional sidewalk replacement** as directed by Construction Manager, and shall be based upon indicated Quantities and Unit Prices:
    a. Additional sidewalk replacement is intended to address any latent or existing field conditions not specified within this bid package and identified in the construction documents

b. Sidewalk to match width and thickness, finish, etc.
c. Include all requirements outlined within this bid package
d. Allowance #11, include 100 SF for said work

3. Include an **Allowance for additional seeding or reseeding** in selected areas as directed by Construction Manager, and shall be based upon indicated Quantities and Unit Prices:
    a. Allowance is intended to augment and expand areas which may require seeding beyond what is specified within this bid package
    b. Include all subgrade preparation and amendments, mulch & straw, etc.
    c. Include all requirements outlined within this bid package
    d. Allowance #12, include 200 SY for said work

4. Include an **Allowance for additional sod** installation in selected areas as directed by Construction Manager, and shall be based upon indicated Quantities and Unit Prices:
    a. Allowance is intended to augment and expand the areas which may require sod beyond what is specified within this bid package
    b. Sod installation in lieu of grass at selected locations
        i. Include all subgrade preparation and amendments, etc.
        ii. Include initial watering as required to establish sod
    c. Include all requirements outlined within this bid package
    d. Allowance #13, include 50 SY for said work

14. Special Inspections are required on this project
    a. Refer to Specifications and Drawings for schedule of special inspections as well as any other applicable specifications sections
    b. Coordinate with special inspector, testing agencies, local inspectors and/or Engineer of Record as may be required
    c. Include all associated cost to participate and support Special Inspections
15. Provide all traffic control, flagging, guides, signage, etc. as required for this scope
16. Permanent roads will be expedited along with temporary drive and laydown areas shown on Site Logistics Plan
    a. Subcontractor shall take special care to stay on temporary drives during inclement weather
17. Subcontractor shall repair all land disturbances caused by equipment under this bid scope regardless of wet/dry conditions to include, but not limited to, repair of rutting, damages to erosion control measures, damage to temporary or permanent roads, curbing, etc.
    a. Restore all disturbed areas to equal or better condition than original
18. Maintain all on-site and off-site roads, streets, parking, etc. free and clear of any mud or debris created by this trade and its deliveries; clean-up shall occur immediately
    a. Sufficient personnel & equipment shall be on-site at all times to expedite this work
    b. Spillage of water, materials, etc. in public traffic areas shall be immediately cleaned
    c. Streets shall be maintained as needed, but no less than daily or as directed by Construction Manager
19. Inspect all substrates and conditions for suitability to receive work under this scope prior to starting work

a. Advise Construction Manager immediately in writing of any deficiencies or issue
b. Commencement of work guarantees acceptance of conditions

20. Daily clean-up of all trash and debris caused by this work
21. Furnish all ladders, lifts, shoring, scaffolding, etc. as required for this work
22. Furnish all supplemental lighting and power as required for this scope
23. Include field measure of all work in this bid scope prior to fabrication
24. Include all necessary mobilizations, multiple crews and equipment, night and weekend shifts as required or directed by Construction Manager to complete the work
25. Protect all work under this scope from damage until accepted by Owner
    a. Protect adjacent surfaces from damage by this scope of work. Any damage to adjacent surfaces or work during execution of this scope shall be repaired or replaced by this Subcontractor at no additional cost to Construction Manager
    b. Repairs shall be finished to match existing or adjacent construction
    c. Patch and repair all building finishes, structural components or other appurtenances that are removed or damaged as a result of performance of this scope. Repair work shall include finishes, components, substructure and materials required for the installation of such work in accordance with standard practices and shall be finished to match existing or adjacent conditions.
    d. Protect roadways and parking areas from damage caused by loading, unloading & staging of materials and equipment, hoisting & lifting activities, cranes, etc. All repair costs shall be borne by subcontractor responsible for said damages.
26. Subcontractor is responsible for all corrective repairs resulting from its defective workmanship
27. All corrective and repair work shall be performed within 24-hours after notification and shall be accepted prior to payment issuance to Subcontractor for said work performed
28. OSHA Safety measures shall be required and implemented
    a. Delivery drivers shall wear proper PPE while on site (staging, off-loading, etc.)
29. Project planning, to include, but not limited to
    a. Participation in development of Master Construction Schedule
    b. Submit a Job Hazardous Analysis (JHA) for each definable feature of work in advance of work start
    c. Participation by foreman and all workers in a Preparatory Meeting to review JHA, safety requirements, proposed work, approved submittals and other applicable construction documents prior to starting work
30. Provide all warranties, guarantees, extended service agreements, training, etc. as required
31. Pricing is firm, not subject to escalation for duration of project

SPECIFIC EXCLUSIONS

1. Permanent grass, plantings, trees and other landscaping under BP-32C Landscaping; see requirements for topsoil
2. Chain link fence and temporary fence by BP-32A Chain Link Fence
3. Site Lighting by Owner/Utility provider
4. Transformer pad by BP-26A Electrical
5. Backflow prevention devices inside buildings installed by others
6. As-built survey of Stormwater BMPs; none indicated

7. Irrigation system and meter; none indicated
8. Termite Control provided under BP-03A Concrete

ALLOWANCES

1.	Crushed Stone (NCDOT CABC)	**50 Tons**
2.	Geotechnical Fabric	**250 SY**
3.	Subsurface Drains	**100 LF**
4.	Unsuitable soils (Mass) removal and disposal **OFF-SITE**	**100 CY**
5.	Unsuitable soils (Trench) removal and disposal **OFF-SITE**	**100 CY**
6.	Replacement of unsuitable soils (Mass) with select import fill	**100 CY**
7.	Replacement of unsuitable soils (Mass) with CABC stone	**50 tons**
8.	Replacement of unsuitable soils (Trench) with select import fill	**100 CY**
9.	Replacement of unsuitable soils (Trench) with #57 stone	**500 Tons**
10.	Geogrid	**250 SY**
11.	Additional concrete sidewalk	**100 SF**
12.	Additional seeding	**200 SY**
13.	Additional sod	**50 SY**

UNIT PRICES

UP-01	Crushed Stone (NCDOT ABC)	**$ / Ton**
UP-02	Geotextile Fabric	**$ / SY**
UP-03	Subsurface Drains	**$ / LF**
UP-04	Unsuitable soils (Mass) removal and disposal **OFF-SITE**	**$ / CY**
UP-05	Unsuitable soils (Trench) removal and disposal **OFF-SITE**	**$ / CY**
UP-06	Replacement of unsuitable soils (Mass) with select import fill	**$ / CY**
UP-07	Replacement of unsuitable soils (Mass) with CABC stone	**$ / Ton**
UP-08	Replacement of unsuitable soils (Trench) with select import fill	**$ / CY**
UP-09	Replacement of unsuitable soils (Trench) with #57 stone	**$ / Ton**
UP-10	Geogrid, BX-1100 or equal	**$ / SY**
UP-11	Additional concrete sidewalk	**$ / SF**
UP-12	Additional seeding	**$ / SY**
UP-13	Additional sod	**$ / SY**

ALTERNATES

Not Applicable

SECTION 4

WACCAMAW K-2 BUILDING REPLACEMENT

SCOPE OF WORK BID PACKAGES

BP 01A – General Trades
BP 01B – Final Cleaning
BP 02B – Demolition
BP 03A – Building Concrete
BP 04A – Turnkey Masonry
BP 05A – Turnkey Steel
BP 07C – Roofing/Canopies
BP 07D – Caulk & Sealants
BP 08A – Storefront & Glazing
BP 08C – Doors & Hardware
BP 09A – Drywall
BP 09B – Hard Tile
BP 09C – Acoustical Ceilings
BP 09D – Resilient Flooring
BP 09G – Painting
BP 10A – Specialties
BP 10C – Signage
BP 12A – Window Treatments
BP 12B – Casework

BP 21A – Fire Protection
BP 22A – Plumbing
BP 23A – HVAC / Mechanical
BP 23B – Plumbing & HVAC (Combo)
BP 26A – Electrical
BP 31A – Turnkey Site
BP 32B – Chain Link Fencing

Subcontractor Scope of Work
Exhibit A

Waccamaw K-2 Building Replacement
Job No. 1952

BP 01A - General Trades

This bid package is intended to be complementary to the Contract Documents including the Project Drawings, Specifications, Addendum, and Project Manual. Subcontractor acknowledges that the Subcontractor Specific Requirements are not intended to describe the complete and final work scope. Reference is made to the Specifications Sections, but is in no way intended to limit or alter the intent of the contract documents.

Subcontractor shall perform all work and shall furnish all layout, supervision, materials, labor, scaffolding, tools, equipment, supplies, services, rigging, craning and hoisting of all materials and equipment, temporary protection of own work, coordination of own work and interaction of work of others, home office and field administration, project management, scheduling, field supervision, engineering, quality control, safety, taxes, insurances, permits, punch list, closeouts and all other things necessary or reasonably incidental for the construction and completion of their work as portrayed in the enclosed enumerated contract documents and specification sections as referenced below:

SUBCONTRACTOR'S WORK SPECIFICALLY INCLUDES:

Bordeaux Bidding Requirements and Information 4/27/2020
Division 01 – General Requirements
All Related Sections/Requirements referenced within each Division and/or section

SUBCONTRACTOR SPECIFIC REQUIREMENTS:

1. BP-01 General Inclusion Items as applicable to complete Work
2. Complete installation of work in this bid scope in accordance with all local, state and federal (OSHA) safety regulations and/or requirements
3. Complete general construction services as outlined in the construction documents and within this bid package
4. Dispose of all trash to dumpster provided by Construction Manager
5. The following is a general outline of items specifically included, but not limited to work in this bid scope:
    I. Site Safety requirements
        i. Fall protection, opening protection, handrails, FEs, trip protection
    II. General Equipment requirements
        i. Power washer, brooms, shop vacs, lull/fork lift, trash carts, pumps, etc.
    III. General Trade requirements
        i. Labor for construction clean-up
        ii. Small tools & miscellaneous supplies
        iii. Skilled Carpentry crew for General Carpentry requirements

IV. General Carpentry requirements
    i. Wood blocking; temporary partitions
V. Allowances
VI. Site Access Requirements

I. **<u>Site Safety Requirements</u>**
   a. Furnish, install, maintain and remove temporary trip protection measures for all conduits, stub ups, etc.
      i. Trip protection shall be constructed of 2x4 framing, painted fluorescent orange and fastened to floor
      ii. Coordinate installation and removal with Construction Manager
   b. Furnish, install, maintain and remove temporary opening covers for all floor openings (trench drains, floor drains, slab openings, etc.):
      i. Covers shall be constructed of plywood and fastened to surrounding slab
      ii. Paint covers fluorescent orange and label in English; also in Spanish, when possible
      iii. Coordinate installation and removal with Construction Manager
   c. Maintain column blockout covers, covers furnished under BP-03A Building Concrete
   d. Furnish, distribute and maintain new certified Type 2A fire extinguishers (FE) with inspection tags:
      i. Provide coverage per OSHA guidelines
      ii. Construct portable stands similar to the extension cord hangers
         1. Paint stand red for identification
      iii. Replace extinguishers when discharged
      iv. Inspect each FE weekly and document to Construction Manager
      v. Recertify all extinguishers yearly and document to Construction Manager
      vi. Deliver fire extinguishers when directed by Construction Manager
      vii. Coordinate location and removal of FEs with Construction Manager
      viii. Include **Ten (10) <u>extinguishers & stands</u>** in the base bid
   e. Furnish, install and maintain J-hooks to carry extension cords along all corridors and within rooms for trade contractors' use during construction:
      i. J-hooks shall be installed at 8' AFF or as directed by Construction Manager
      ii. For estimating purposes, include **<u>Forty (40) 2" J-hooks</u>** in the base bid
   f. Furnish, distribute and maintain wooden extension cord hangers throughout the construction area:
      i. Extension cord hanger shall consist of a 5 gallon bucket filled with concrete and an 8' 2x4 (or other rigid post) with "Y" shape framed top to support extension cords
      ii. Place cord hangers as directed by Construction Manager
      iii. Include **<u>Ten (10) cord hangers</u>** in the base bid

II. **General Equipment Requirements**

a. Provide and maintain a commercial grade pressure washer, 3000 psi minimum, for duration of the project to be used as directed by Construction Manager
b. Provide and maintain (service, fueling, etc.) one forklift/lull for use in material off-loading, handling, staging, etc. for the duration of the project to be used as directed by Construction Manager
    i. Minimum size is 6,000 pound capacity, 45-foot extension
    ii. Estimated duration is **four (4) months**
    iii. Include both forks and trash bucket
    iv. Forklift operator is in addition to the General Labor requirements outlined within this scope
    v. Provide fuel tank and fuel for use of forklift
        1. Fuel tank shall include spill containment enclosure and must meet all state, local and OSHA requirements
        2. Include and maintain fire extinguisher at fuel tank
c. Provide brooms, rakes, shovels, hoses, sweeping compounds, small tools, miscellaneous materials, etc. as necessary to complete work in this bid scope
d. Provide and maintain two (2) trash carts, Carlisle TT17503 Black 0.75 Cubic Yard Tilt Truck (825 lbs.) or equal for duration of this bid scope
    i. Carts are to be used for general trash collection and composite crew cleanup usage only
    ii. Subcontractor shall dump carts daily or as required
    iii. Deliver carts as directed by Construction Manager

III. **General Trade Requirements**

a. Provide general labor (skilled and non-skilled) and materials to support project as directed by Construction Manager to include specified work within, daily clean-up, minor repair work, etc.
b. Provide small tools and miscellaneous materials to include extension cords & GFCI devices; saws, drills & bits, power tools; brooms, rakes, shovels & hoses; plywood & dimensional lumber; sweeping compounds; nails, screws, fasteners, anchors, caulk, sealants & adhesives; fuels; consumables, etc. as required to complete work in this bid scope
c. Provide all necessary and required PPE for its workers
d. Maintain a minimum crew size of two (2) carpenter/labor personnel to perform general cleaning as directed by Construction Manager:
    i. Crew shall be present at all times while construction activities are in progress
        1. Crew staffing may be staggered to ensure adequate manpower is available to meet needs of the project; coordinate with Construction Manager
        2. Provide additional staffing as required to maintain a clean job site
    ii. One of the carpenter/laborer personnel shall be considered a working foreman, capable of speaking Spanish and English.

1. Foreman shall have a cell phone furnished by Subcontractor for communication with Construction Manager

iii. Clean temporary construction office weekly and as directed by Construction Manager

iv. Provide additional staffing as required to meet the needs of project

e. Provide skilled labor, crew size as required, to perform scope of work items noted within in this bid package and as directed by Construction Manager:

i. Skilled Labor crew is in addition to and separate from the general cleaning crew noted above

ii. One of the carpenter/laborer personnel shall be considered a working foreman, capable of speaking Spanish and English.

1. Foreman shall have a cell phone furnished by Subcontractor for communication with Construction Manager

f. Construction Manager may request a worker, who demonstrates uncooperative actions, be removed from the project with a minimum 24 hour notice

g. Coordinate start of work with Construction Manager

IV. General Carpentry Requirements

a. Furnish & install all wood blocking in metal framed GWB partitions for installation of toilet accessories, toilet partitions, casework, FE cabinets, safety showers, etc. Coordinate with BP-10A Specialties for blocking placement.

b. Furnish & install temporary partitions at 1st floor exterior doors as directed by Construction Manager

i. Include installation of two (2) hollow metal doors and frames provided under BP-08C Doors & Hardware

ii. Remove openings as directed by Construction Manager

iii. Construct temporary partition using 2x4, exterior grade plywood and sheathing fabric/plastic

c. Furnish & Install all exterior wood blocking in cavity walls around wall openings

i. Reference Details D1/A501 and A3/A521

V. Allowances

Include all stated allowances outlined within this bid package

Use of any allowance shall be as directed by Construction Manager and supported with sufficient documentation as required. Any work performed without prior written authorization will be considered as a requirement to complete the scope of work in this bid package and at no cost to the project

a. Include an **Allowance** for additional labor as directed by Construction Manager and based upon indicated Quantities and Unit Prices:

i. Additional manpower is defined as that which is required to supplement the daily manpower requirement specified within the bid package

ii. Include all requirements outlined within this bid package

iii. Include 50 hours for said work

VI. Site Access Requirements

Subcontractor must conduct a 50-state background check and e-verify compliance for all personnel associated with the project

I. Submit completed Exhibit L—Lunsford Act & E-verify documentation to Construction Manager for Owner review and approval in advance of worker arriving on-site; same day approval **cannot** be granted.

II. All personnel, while on-site, must wear a plastic laminated photo identification badge that identifies person's name and employer. Badges are to be computer produced with a font large enough to be clearly visible. The ID badge template will be made available to successful prime contractors. All costs associated with criminal background checks, e-verification and ID Badging are the responsibility of each Subcontractor.

III. This a contractual requirement applicable to all personnel and all lower-tier subcontractors. Delivery drivers may be exempt with prior written approval from Construction Manager; submit request in advance.

IV. Construction Manager and Owner reserve their right to deny any individual access to job-site for any reasonable condition

6. Furnish all ladders, lifts, shoring, scaffolding, etc. as required for this work
7. Furnish all supplemental lighting and power as required for this scope
8. Field measure of all work in this bid scope is included in this bid package
9. Include all necessary mobilizations, multiple crews and equipment, night and weekend shifts as required or directed by Construction Manager to complete the work
10. Protect all work under this scope from damage until accepted by Owner
11. Protect adjacent surfaces from damage by this scope of work
    I. Any damage to adjacent surfaces or work during execution of this scope shall be repaired or replaced by this Subcontractor at no additional cost to Construction Manager
    II. Repairs shall be finished to match existing or adjacent construction
    III. Patch and repair all building finishes, structural components or other appurtenances that are removed or damaged as a result of performance of this scope. Repair work shall include finishes, components, substructure and materials required for the installation of such work in accordance with standard practices and shall be finished to match existing or adjacent conditions.
12. Subcontractor is responsible for all corrective repairs resulting from its defective workmanship
13. All corrective and repair work shall be performed within 24-hours after notification and shall be accepted prior to payment issuance to Subcontractor for said work performed
14. OSHA Safety measures shall be required and implemented
15. Project planning, to include, but not limited to:
16. Participation in development of Master Construction Schedule
    I. Submit a Job Hazardous Analysis (JHA) for each definable feature of work in advance of work start

II. Participation by foreman and all workers in a Preparatory Meeting to review JHA, safety requirements, proposed work, approved submittals and other applicable construction documents prior to starting work

17. Inspect all substrates and conditions for suitability to receive work under this scope prior to starting work.
    I. Advise Construction Manager immediately in writing of any deficiencies or issues
    II. Commencement of work guarantees acceptance of conditions.
18. Provide all warranties, guarantees, extended service agreements, training, etc. as required
19. Provide all extra materials as required
20. Pricing is firm, not subject to escalation for duration of project

SPECIFIC EXCLUSIONS

1. Final Cleaning by BP-01B
2. Wood blocking for roof nailers by BP-07C

ALLOWANCES

#1	Additional labor	**50 hours**

UNIT PRICES

UP-01	Labor Rate	**$ / Hour**

ALTERNATES

Not Applicable

Subcontractor Scope of Work
Exhibit A

Waccamaw K-2 Building Replacement
Job No. 1952

BP 01B - Final Cleaning

This bid package is intended to be complementary to the Contract Documents including the Project Drawings, Specifications, Addendum, and Project Manual. Subcontractor acknowledges that the Subcontractor Specific Requirements are not intended to describe the complete and final work scope. Reference is made to the Specifications Sections, but is in no way intended to limit or alter the intent of the contract documents.

Subcontractor shall perform all work and shall furnish all layout, supervision, materials, labor, scaffolding, tools, equipment, supplies, services, rigging, craning and hoisting of all materials and equipment, temporary protection of own work, coordination of own work and interaction of work of others, home office and field administration, project management, scheduling, field supervision, engineering, quality control, safety, taxes, insurances, punch list, closeout and all other things necessary or reasonably incidental for the construction and completion of their work as portrayed in the enclosed enumerated contract documents and specification sections as referenced below:

SUBCONTRACTOR'S WORK SPECIFICALLY INCLUDES:

Bordeaux Bidding Requirements and Information 4/27/2020

Division 01 – General Requirements
Divisions 03 thru 28 (as applicable to this scope)

All Related Sections/Requirements referenced within each Division and/or section

SUBCONTRACTOR SPECIFIC REQUIREMENTS:

1. BP-01 General Inclusion Items as applicable to complete Work
2. Complete installation of work in this bid scope in accordance with all local, state and federal (OSHA) safety regulations and/or requirements
3. Dispose of all trash to dumpster provided by Construction Manager
4. Complete construction and final cleaning services as outlined in the construction documents and within this bid package
5. The following is a general outline of items specifically included, but not limited to work in this bid scope:
    a. Remove all shipping labels, manufacturers markings, protective films, etc. from all new furnishings and construction products
    b. Special care shall be taken for cleaning of all glazing (security & non-security).
        i. Participate in a pre-cleaning meeting and assign designated representatives for cleaning of all glazing

ii. **The use of razor blades or other sharp edged tools shall NOT be used**
iii. **Subcontractor shall be bear all costs associated with replacement of glazing damaged by its actions**

c. Subcontractor shall coordinate with subcontractors and vendors and utilize compatible cleaning products and methods with manufactured or prefinished products to prevent damage, warranty issues, etc. prior to starting work. Any damage caused by Subcontractor during execution of work in this bid scope shall be replaced/repaired by Subcontractor at no additional cost to Construction Manager
d. Cleaning cloths shall be replaced frequently to avoid damage to surfaces. Surface damages, although accidental through normal performance of this scope, shall be restored or replaced as required with said cost borne by this Subcontractor
e. Subcontractor shall clean all interior and exterior surfaces and spaces including, but not limited to:

Exterior:	Clean all windows, doors, OH doors, louvers, etc. Pressure wash site concrete
Flooring:	VCT – sweep, scrub, damp mop & two coats of wax LVT – sweep, scrub & damp mop Carpet/Carpet Tiles – vacuum Sealed & Polished concrete – sweep, scrub & mop Resinous /Epoxy—sweep, scrub & mop Hard tile – sweep, scrub & mop Remove all floor protection provided by others
Walls:	Dust and wipe down all walls Wipe down all rubber base Vacuum acoustical wall paneling Wipe down all stainless wall protection
Fixtures:	Dust, scrub, wipe down, polish and vacuum as required Includes, but not limited to: toilet accessories, furnishings and equipment, registers, grilles, signage, toilet partitions & screens, door hardware, window blinds, fire extinguishers and cabinets, marker boards, mirrors, expansion joints, lockers, evidence lockers
Glazing:	Prior to cleaning glass, review manufacturers recommended cleaning instructions for fire-rated and polycarbonate glazing with Construction Manager. **Designate individuals for cleaning glass in writing**. Clean both interior and exterior faces of all glazing (security & non-security) **The use of razor blades or other sharp edged tools shall NOT be used**
Casework:	Dust, wipe down and vacuum cabinet interiors, drawers, interior and exterior sides, shelves, etc.

MEP: Dust and wipe down all exposed conduits, piping and ductwork, mechanical equipment, electrical gear, lights, etc.
Do not remove identification labels unless directed by Construction Manager
Scrub, clean and polish all stainless and porcelain toilets, sinks, water fountains, etc.

f. Allowances

Include all stated allowances outlined within this bid package

Use of any allowance shall be as directed by Construction Manager and supported with sufficient documentation as required. Any work performed without prior written authorization will be considered as a requirement to complete the scope of work in this bid package and at no cost to the project

i. Include an **Allowance** for additional cleaning services as directed by Construction Manager and based upon indicated Quantities and Unit Prices:
   1. Additional cleaning services is defined as services required in addition to those specified within the bid package
   2. Include all requirements outlined within this bid package
   3. **Include 50 hours for said work**

g. Site Access Requirements

Subcontractor must conduct a 50-state background check and e-verify compliance for all personnel associated with the project

i. Submit completed Exhibit L—Lunsford Act & E-verify documentation to Construction Manager for Owner review and approval in advance of worker arriving on-site; same day approval **cannot** be granted.
ii. All personnel, while on-site, must wear a plastic laminated photo identification badge that identifies person's name and employer. Badges are to be computer produced with a font large enough to be clearly visible. The ID badge template will be made available to successful prime contractors. All costs associated with criminal background checks, e-verification and ID Badging are the responsibility of each Subcontractor.
iii. This a contractual requirement applicable to all personnel and all lower-tier subcontractors. Delivery drivers may be exempt with prior written approval from Construction Manager; submit request in advance.
iv. Construction Manager and Owner reserve their right to deny any individual access to job-site for any reasonable condition

6. Subcontractor understands that this project will be completed by areas and in each area, this Subcontractor shall provide separate mobilizations to include:
   a. A general pre-clean prior to Construction Manager punch list preparation which includes general sweeping, removal of tags, and general wipe down of materials removing construction debris

b. A general pre-clean prior to Architect / Engineer punch list preparation which includes general sweeping, removal of tags, and general wipe down of materials removing construction debris, waxing of VCT, Carpet cleaning
c. A final clean after completion of Construction Manager and Architect punch lists just prior to Final inspection and acceptance
d. Include necessary mobilizations, multiple crews, materials and equipment as needed to complete Scope of Work. General cleaning may be scheduled over night and weekend hours as directed by Construction Manager

7. Inspect all substrates and conditions for suitability to receive work under this scope prior to starting work
    a. Advise Construction Manager immediately in writing of any deficiencies or issues
    b. Commencement of work guarantees acceptance of conditions
8. Daily cleanup of debris caused by this work
9. Furnish all ladders, lifts, shoring, scaffolding, etc. as required for this work
10. Protect adjacent surfaces from damage by this scope of work
    a. Any damage to adjacent surfaces or work during execution of this scope shall be repaired or replaced by this Subcontractor at no additional cost to Construction Manager
    b. Repairs shall be finished to match existing or adjacent construction
    c. Patch and repair all building finishes, structural components or other appurtenances that are removed or damaged as a result of performance of this scope. Repair work shall include finishes, components, substructure and materials required for the installation of such work in accordance with standard practices and shall be finished to match existing or adjacent conditions.
    d. All corrective and repair work shall be performed within 24-hours after notification and shall be accepted prior to payment issuance to Subcontractor for said work performed
11. OSHA Safety measures shall be required and implemented
12. Pricing is firm, not subject to escalation for duration of project

SPECIFIC EXCLUSIONS

1. Brick cleaning

ALLOWANCES

#1	Additional cleaning services	**50 hours**

UNIT PRICES

UP-01	Labor rate	**$ / hour**

ALTERNATES

Not Applicable

Subcontractor Scope of Work
Exhibit A

Waccamaw K-8 Building Replacement
Job No. 1952
Bid Package BP 02B - Demolition

This bid package is intended to be complementary to the Contract Documents including the Project Drawings, Specifications, Addendum and Project Manual. Subcontractor acknowledges that the Subcontractor Specific Requirements are not intended to describe the complete and final work scope. Reference is made to the Specifications Sections, but is in no way intended to limit or alter the intent of the contract documents.

Subcontractor shall perform all work and shall furnish all layout, supervision, materials, labor, scaffolding, tools, equipment, supplies, services, rigging, craning and hoisting of all materials and equipment, temporary protection of own work, coordination of own work and interaction of work of others, home office and field administration, project management, scheduling, field supervision, engineering, quality control, safety, taxes, insurances, punch list, closeout and all other things necessary or reasonably incidental for the construction and completion of its work as portrayed in the enclosed enumerated contract documents and specification sections as referenced below:

Subcontractor's work specifically includes:

Bordeaux Construction Bidding Requirements and Information 04/27/20

Division 01 – General Requirements
Division 02 – Existing Conditions
Section 024119 Selective Demolition

All related Sections/Requirements referenced within each Division and/or Section

Subcontractor Specific Requirements:

1. Payment and performance bond are not required for this bid scope
2. BP-01 General Inclusion items as applicable to complete Work
3. The on-site foreman or superintendent for this work scope shall have a cellular service enabled iPad with iOS 10.2.1 or later and equipped with a durable LifeProof protective case or equivalent. The iPad shall have the latest version of the Procore Construction Management Software application installed in order to have all live project documents, drawings, submittals, etc. in hand and immediately accessible.
4. Complete installation of work in this bid scope in accordance with all local, state and federal (OSHA) safety regulations and/or requirements
5. Complete demolition as outlined in the construction documents and within this scope package
6. The following is a general outline of the items specifically included, but not limited to, in this bid scope:

a. Include all permits and fees as required to complete this scope of work
b. Complete demolition, removal and disposal of existing facility
    i. Complete structure to include concrete foundations
    ii. Complete underground utilities to 5' outside building limits
    iii. Remove sidewalks to limits as noted on drawings
    iv. Remove fence and gates to limits as noted on drawings
c. Include all cost associated with cut, cap and make safe respective utilities prior to start of demolition
    i. Coordinate with all utility providers to ensure all utilities are cut, capped and demolished in accordance with their rules and regulations
        1. Coordinate with Brunswick County Public Utilities for termination of water services to building (refer to Dwg. C4.0 Notes)
        2. Coordinate with electric utility company and BP-26A Electrical as required for:
            a. Termination of primary electrical power at transformers
            b. Removal and salvage of two transformers
            c. Removal and salvage of two site lights
    ii. Coordinate with BP-26A Electrical to ensure all existing systems are cut, capped and made safe
        1. BP-26A Electrical will terminate existing fire alarm, communication, CCTV, PA, Access Control/Card Reader and Security systems as part of its scope of work
    iii. Reclaim and legally dispose of all refrigerants prior to removing units
d. Building site shall be left graded to promote positive drainage
e. Complete and full compliance with underground location requirements as required by law:
    i. Contact North Carolina 811 (aka "NC One Call") at least 72 hours prior to construction or excavation by dialing 811
    ii. Provide Construction Manager with NC 811 locate ticket number prior to commencement of work
    iii. Advise Construction Manager of any underground conflict with proposed work prior to commencement of work
f. Furnish all waste containers for collection and legal disposal of all waste materials and debris generated by this scope; general waste construction container is not suitable for this use
    i. Provide Waste Management Plan
    ii. Provide documentation of material disposal

7. Site Access Requirements

Subcontractor must conduct a 50-state background check and e-verify compliance for all personnel associated with the project

a. Submit completed Exhibit L—Lunsford Act & E-verify documentation to Construction Manager for Owner review and approval in advance of worker arriving on-site; same day approval **cannot** be granted.
b. All personnel, while on-site, must wear a plastic laminated photo identification badge that identifies person's name and employer. Badges are to be computer

produced with a font large enough to be clearly visible. The ID badge template will be made available to successful prime contractors. All costs associated with criminal background checks, e-verification and ID Badging are the responsibility of each Subcontractor.

   c. This a contractual requirement applicable to all personnel and all lower-tier subcontractors. Delivery drivers may be exempt with prior written approval from Construction Manager; submit request in advance.
   d. Construction Manager and Owner reserve their right to deny any individual access to job-site for any reasonable condition

8. Subcontractor shall repair all land disturbances caused by equipment under this bid scope regardless of wet/dry conditions to include, but not limited to, repair of rutting, damages to erosion control measures, damage to temporary or permanent roads, curbing, etc.
   a. Restore all disturbed areas to equal or better condition than original
9. Provide all traffic control, flagging, guides, signage, etc. as required for this scope
10. Maintain all roads, streets, parking, etc. free and clear of any mud or debris created by this trade and its deliveries; clean-up shall occur immediately
   a. Sufficient personnel & equipment shall be on-site at all times to expedite this work
   b. Spillage of water, materials, etc. in public traffic areas shall be immediately cleaned
11. Inspect all substrates and conditions for suitability to receive work under this scope prior to starting work
   a. Advise Construction Manager immediately in writing of any deficiencies or issue
   b. Commencement of work guarantees acceptance of conditions
12. Daily clean-up of all trash and debris caused by this work
13. Furnish all ladders, lifts, shoring, scaffolding, bracing, reinforcing, etc. as required for this bid scope
14. Furnish all supplemental lighting and power as required for this scope
15. Include field measure of all work in this bid scope prior to fabrication
16. Include all necessary mobilizations, multiple crews and equipment, night and weekend shifts as required to facilitate construction progress or directed by Construction Manager to complete the work
17. Protect all work under this scope from damage until accepted by Owner
   a. Protect adjacent surfaces from damage by this scope of work. Any damage to adjacent surfaces or work during execution of this scope shall be repaired or replaced by this Subcontractor at no additional cost to Construction Manager
   b. Repairs shall be finished to match existing or adjacent construction
   c. Patch and repair all building finishes, structural components or other appurtenances that are removed or damaged as a result of performance of this scope. Repair work shall include finishes, components, substructure and materials required for the installation of such work in accordance with standard practices and shall be finished to match existing or adjacent conditions.
   d. Protect roadways and parking areas from damage caused by loading, unloading & staging of materials and equipment, hoisting & lifting activities, cranes, etc. All repair costs shall be borne by subcontractor responsible for said damages.
18. Subcontractor is responsible for all corrective repairs resulting from its defective workmanship

19. All corrective and repair work shall be performed within 24-hours after notification and shall be accepted prior to payment issuance to Subcontractor for said work performed
20. OSHA Safety measures shall be required and implemented
    a. Delivery drivers shall wear proper PPE while on site (staging, off-loading, etc.)
21. Project planning, to include, but not limited to:
    a. Participation in development of Master Construction Schedule
    b. Submit a Job Hazardous Analysis (JHA) for each definable feature of work in advance of work start
    c. Participation by foreman and all workers in a Preparatory Meeting to review JHA, safety requirements, proposed work, approved submittals and other applicable construction documents prior to starting work
22. Pricing is firm, not subject to escalation for duration of project

Specific Exclusions

1. Demolition of asphalt parking area by BP-31A Site
2. Removal of septic tanks and associated piping by BP-31A Site
3. Relocation of two light poles by BP-26A Electrical
4. Relocation of Live Oak tree by BP-32C Landscaping

Allowances

Not Applicable

Unit Prices

Not Applicable

Alternates

Not Applicable

Subcontractor Scope of Work
Exhibit A

Waccamaw K-2 Building Replacement
Job No. 1952

BP 03A - Turnkey Concrete

This bid package is intended to be complementary to the Contract Documents including the Project Drawings, Specifications, Addendum, and Project Manual. Subcontractor acknowledges that the Subcontractor Specific Requirements are not intended to describe the complete and final work scope. Reference is made to the Specifications Sections, but is in no way intended to limit or alter the intent of the contract documents.

Subcontractor shall perform all work and shall furnish all layout, supervision, materials, labor, scaffolding, tools, equipment, supplies, services, rigging, craning and hoisting of all materials and equipment, temporary protection of own work, coordination of own work and interaction of work of others, home office and field administration, project management, scheduling, field supervision, engineering, quality control, safety, taxes, insurances, permits, punch list, closeouts and all other things necessary or reasonably incidental for the construction and completion of their work as portrayed in the enclosed enumerated contract documents and specification sections as referenced below:

SUBCONTRACTOR'S WORK SPECIFICALLY INCLUDES:

Bordeaux Bidding Requirements and Information 4/27/2020
Division 01 – General Requirements
Division 03 – Concrete

Section 03000	Cast-in-place Concrete	Complete
Division 05 – Metals		(as it applies to this scope)
Division 07 – Thermal & Moisture Protection		
Section 072100	Thermal Insulation	(as it applies to this scope)
Division 31 – Earthwork		
Section 313116	Termite Control	

All Related Sections/Requirements referenced within each Division and/or section

SUBCONTRACTOR SPECIFIC REQUIREMENTS:

1. Payment and performance bond are not required for this bid scope
2. BP-01 General Inclusion Items as applicable to complete Work
3. The on-site foreman or superintendent for this work scope shall have a cellular service enabled iPad with iOS 10.2.1 or later and equipped with a durable LifeProof protective case or equivalent. The iPad shall have the latest version of the Procore Construction Management Software application installed in order to have all live project documents, drawings, submittals, etc. in hand and immediately accessible.

4. Complete installation of work in this bid scope in accordance with all local, state and federal (OSHA) safety regulations and/or requirements
5. Complete structural concrete installation as outlined in the construction documents and within this scope package to include all insurances and taxes
6. Dispose of all trash and waste materials in dumpster provided by Construction Manager
7. The following is a general outline of the items specifically included, but not limited to, in this bid scope:

Building Concrete:

a. Excavate, form, prep and place all building foundations (footings, walls)
b. Place, compact and fine grade stone capillary fill for slab on grade
c. Form, prep, place and finish all slabs on grade
d. Provide slab finishes as specified
e. Provide slab flatness and levelness as specified
f. Form, prep, place and finish all housekeeping pads as required per Contract Documents or as required for Mechanical, Electrical, Plumbing and Security Electronics. Coordinate size, layout, finishes, etc. with other trades prior to placing any pad
g. Furnish & install all concrete related accessories to include, but not limited to, necessary supports, bolsters, chairs, below-grade insulation, vapor barrier & tape, expansion joint materials, zip-strip, chamfer strips, etc.
h. Furnish and install all reinforcing bars and wire to include spacers, supports, chairs, etc.
    i. Vertical and horizontal bar reinforcing and horizontal wire reinforcing for masonry walls will be furnished and installed under BP-04A Masonry
i. Furnish and install all stone materials and below slab drainage materials
j. Furnish and install stone granular fill below slabs
k. Point, patch and rub all exposed concrete surfaces
l. Point and patch all hidden concrete surfaces; remove all form ties
m. Form, place and finish all exterior equipment pads
n. Install all embeds and anchor bolts furnished by others designated for installation in concrete SOG and concrete walls:
    i. Typical embeds include miscellaneous angles, trench drain embeds, weld-plates, anchor bolts, etc.
    ii. Include installation of anchor bolts furnished by BP-05A Structural
    iii. Subcontractor is responsible for all layout from building corners provided by Construction Manager
    iv. Subcontractor shall take special care in layout, batter boards and installation of anchor bolts
    v. Notify Construction Manager immediately if anchor bolts are found to be out of compliance
    vi. Subcontractor shall be responsible for any remedial work required due to anchor bolts installed incorrectly
o. Forming and coordination of all stepped footings as required for MEP / Utilities crossing foundations

p. Provide concrete including all necessary admixtures and additives in compliance with specification and hot weather and cold weather concrete procedures including, but not limited to, water reducing admixture, hot water, cold water, ice, retardant, super-plasticizer, air entrainment, fly ash, etc.
    i. Refer to bid schedule under Section 5. Schedule is schematic in nature and will be adjusted once approved subcontractors are on board
    ii. Include all associated cost for surcharges, environmental fees, short loads, etc. as part of this bid package
    iii. Include Barrier One or Vapor Lock admixture
q. Include cost to protect, transfer and maintain all staking installed by others. Re-staking costs will be borne by this Subcontractor
r. Include all doweling of adjacent SOG as required
    i. Horizontal dowels to be "Speed Dowel" type at construction joints, whether indicated or not
    ii. Dowels shall not be "wet set"
s. Furnish & install grout of all base plates after columns are set and plumbed. Coordinate with Construction Manager and BP-05A Structural Steel
t. Furnish & install mastic coating on all steel columns below grade as required prior to placing back column blockouts
u. Include all associated cost to participate in mock-ups as required to demonstrate aesthetic effects and set quality standards for materials and execution
    i. Incorporate all work provided under this scope in mockup wall
    ii. Include cost to construct footings for masonry wall mockups at location as directed by Construction Manager
    iii. Include vertical masonry dowels consistent with construction of exterior walls
    iv. Mockup is intended to show typical exterior wall construction of masonry wall, flashing details, brick, precast, and mortar colors, etc.
v. Furnish any required concrete blankets or temporary heat for cold weather concrete. Review cold weather procedures with Construction Manager prior to all pours
w. Furnish & install all rebar/reinforcing in concrete footings, canopy footings, slab on grade, turn down slabs, elevated slabs, "re-entry bars", etc. Dowels embedded in footings are included in this bid scope. Vertical masonry reinforcing will be furnished and installed under BP-04A Masonry
x. Provide thickened or depressed slabs as required in Contract Documents including, but not limited to: stair landings, interior partitions, HD storage, showers, access flooring, walk-in cooler/freezer, pre-fabricated showers, etc. or other equipment or finishes as required
y. Subcontractor shall furnish all required light-plants in base bid cost. It is anticipated that slab placements may take place early in the morning in order to allow proper finishing of the slab. Subcontractor shall include any additional cost for concrete plant costs to open and deliver concrete material outside of normal hours
z. Include all fabrication, delivery, materials and material handling (crane, pump, buggy) as required for the Work

aa. Perform quality control testing to demonstrate compliance with contract documents in advance of Owner provided Third Party testing. Cost of re-testing of Owner Third Party testing shall be borne by this subcontractor as it relates to this scope of work
bb. Furnish all vertical protective rebar caps on all reinforcing dowels and turn over to project.

Termite Control:

a. Provide termite and pest control as outlined in the specifications
    - Protect treated areas from damage
    - Include retreatment at no cost to the project to restore areas left unprotected or damaged by others
b. Provide all required warranties
c. Provide service proposal for Owner consideration

General Concrete Notes:

a. Special Inspections are required on this project
    i. Refer to Specifications and Drawings for schedule of special inspections as well as any other applicable specifications sections
    ii. Coordinate with special inspector, testing agencies, local inspectors and/or Engineer of Record as may be required
    iii. Include all associated cost to participate and support Special Inspections
b. Subcontractor is responsible for temporary power including generator and fuel costs until temporary power is in place
c. Building pad will be turned over +/- 0.10' at 0'-4" BFF (4" below finish floor). Include cost to excavate, compact and fine grade subgrade and place all footings, turn down slabs, depressed slabs, as may be required for a complete installation of building footings and slab on grade
d. Consolidate all footing spoils, slab excavation spoils or excess soil material to a central point as directed by Construction Manager for removal/use by BP-31A Turnkey Site
e. Re-compact soil subgrade prior to continuing preparation and placement of granular fill below SOG as part of this bid package
f. Subcontractor is responsible for field verifying all floor drain elevations to insure specified drainage requirements **prior** to concrete placement and notifying Contractor immediately of any documented inefficiencies
g. Submit construction joint (CJ) layout plan prior to each placement. Sawcut CJs within time frames as specified in the contract documents or as required by ACI 301
h. Coordinate concrete finish (broom, float, trowel, etc.) and curing method with Construction Manager and specified finishes prior to each placement
i. Water is anticipated to be available at the site, coordinate requirements with Construction Manager and BP-31A, Turnkey Sitework
j. Coordinate exterior door transitions with aluminum door contractor (BP-08A) and OH Door Contractor (BP-08B) to ensure positive drainage from building and that troweled finish to broomed finish transition occurs under door frame. Include sawcut and/or removal and replacement of any concrete that does not occur under

a frame or threshold (i.e. troweled finishes visible from the exterior will not be accepted)

k. Slab on grade concrete shall be cured using either the moisture curing method or moisture retaining cover curing method listed in the specification. A curing compound may be allowed if it is determined compatible with flooring systems proposed by the Resinous, Resilient and/or stained/polished concrete contractors. Obtain written authorization from Construction Manager before using any curing compound. No additional compensation for use of a moisture curing method in lieu of a curing compound will be allowed.
l. Slab on grade is anticipated to be placed prior to steel being set. Form column blockouts prior to placing slab. Include "stay form" or other leave-in-place form on the inside of the form to allow form to be stripped and prevent stone from "sloughing" into the column blockout area
m. All concrete shall be shipped and shall maintain specified temperatures throughout the approved placement and curing time allotment specified in the Contract Documents at no additional cost to Construction Manager. Delaying concrete placements to avoid controllable concrete temperature placements is not acceptable means and methods
n. Subcontractor is responsible for the strength of concrete as determined by specimens taken at point of discharge (or sampling) in accordance with all applicable ACI and ASTM standards and specifications for sampling, curing and testing concrete cylinders. Provide curing box or a safe location for storage and safekeeping of test samples until testing agency takes possession
o. Actual records of Subcontractors Ready Mix Vendor's delivery performance shall be kept and furnished to Construction Manager. If said concrete does not achieve designed strength or Owner's acceptance, Subcontractor will be responsible for all costs of removing, testing and retesting, replacing and/or shoring the said concrete.
p. Construction Manager will not be responsible for payment of defective concrete, returned concrete not in-compliance with approved submittals, short-loads, minimum load requirement charges, weekend or after hour concrete placements requirements, environmental fees or chargers, fuel surcharges, concrete delivered without inspection approvals for work to be placed, or returned deliveries which were not coordinated with Contractor.
q. Immediately after slab is placed, provide column blockout covers for OSHA compliance. Remove blockout covers after steel is set and dispose.
r. Excavate to design subgrade elevation and obtain approval of subgrade conditions from Geotechnical Engineer (testing by owner). Care shall be taken to coordinate concrete placement to avoid exposure to weather. Contractor shall include all costs to remove reinforcing steel, form footings/slabs and/or any remediation of any subgrades exposed to water. No additional cost shall be paid for work to remove and replace subgrade deemed unsuitable due to not being protected. At Subcontractor's option, placement of a mud mat, at no additional expense to the project, may be utilized to protect subgrade
s. All "local" dewatering measures as required by this scope to prosecute the work; well pointing and other "whole site" dewatering methods are not anticipated

t. Concrete foundations shall be cleaned and made ready for BP-04A Masonry
    i. Notify Construction Manager for inspection and notification to BP-04A Masonry
    ii. Subsequent cleaning shall be by BP-04A Masonry
u. Include saw cutting of existing edges to square, neaten, clean, etc. as required prior to placing concrete abutting existing concrete
v. Protect all slab edges from spalling; formwork may be left in place for this purpose

8. Site Access Requirements

Subcontractor must conduct a 50-state background check and e-verify compliance for all personnel associated with the project

a. Submit completed Exhibit L—Lunsford Act & E-verify documentation to Construction Manager for Owner review and approval in advance of worker arriving on-site; same day approval **cannot** be granted.
b. All personnel, while on-site, must wear a plastic laminated photo identification badge that identifies person's name and employer. Badges are to be computer produced with a font large enough to be clearly visible. The ID badge template will be made available to successful prime contractors. All costs associated with criminal background checks, e-verification and ID Badging are the responsibility of each Subcontractor.
c. This a contractual requirement applicable to all personnel and all lower-tier subcontractors. Delivery drivers may be exempt with prior written approval from Construction Manager; submit request in advance.
d. Construction Manager and Owner reserve their right to deny any individual access to job-site for any reasonable condition

9. Permanent roads will be expedited along with temporary drive and laydown areas shown on Site Logistics Plan
    a. Subcontractor shall take special care to stay on temporary drives during inclement weather
10. Subcontractor shall repair all land disturbances caused by equipment under this bid scope regardless of wet/dry conditions to include, but not limited to, repair of rutting, damages to erosion control measures, damage to temporary or permanent roads, curbing, etc.
    a. Restore all disturbed areas to equal or better condition than original
11. Provide all traffic control, flagging, guides, signage, etc. as required for this scope
12. Maintain all roads, streets, parking, on-site and off-site roadways, etc. free and clear of any mud or debris created by this trade and its deliveries; clean-up shall occur immediately
    a. Sufficient personnel & equipment shall be on-site at all times to expedite this work
    b. Spillage of water, materials, etc. in public traffic areas shall be immediately cleaned
13. Wash out all concrete materials in concrete washout location, see Site Logistics Plan
    a. Maintain washout as needed for removal of concrete materials
    b. Consolidate all concrete rubble to a central point as directed by Construction Manager for removal by BP-31A Turnkey Site
    c. General waste construction container is not suitable for concrete waste disposal
14. Inspect all substrates and conditions for suitability to receive work under this scope prior to starting work

    a. Advise Construction Manager immediately in writing of any deficiencies or issue
    b. Commencement of work guarantees acceptance of conditions
15. Daily clean-up of all trash and debris caused by this work
16. Furnish all ladders, lifts, shoring, scaffolding, etc. as required for this work
17. Furnish all supplemental lighting and power as required for this scope
18. Include field measure of all work in this bid scope prior to fabrication
19. Include all necessary mobilizations, multiple crews and equipment (pump, transport, light towers, etc.), night and weekend shifts as required to facilitate construction progress or as directed by Construction Manager to complete the work
20. Protect all work under this scope from damage until accepted by Owner
    a. Protect adjacent surfaces from damage by this scope of work. Any damage to adjacent surfaces or work during execution of this scope shall be repaired or replaced by this Subcontractor at no additional cost to Construction Manager
    b. Repairs shall be finished to match existing or adjacent construction
    c. Patch and repair all building finishes, structural components or other appurtenances that are removed or damaged as a result of performance of this scope. Repair work shall include finishes, components, substructure and materials required for the installation of such work in accordance with standard practices and shall be finished to match existing or adjacent conditions.
    d. Protect roadways and parking areas from damage caused by loading, unloading & staging of materials and equipment, hoisting & lifting activities, cranes, etc. All repair costs shall be borne by subcontractor responsible for said damages.
21. Subcontractor is responsible for all corrective repairs resulting from its defective workmanship
    a. Defective workmanship shall be defined as all birdbaths, out of tolerance floor flatness and levelness, out of tolerance floor finish, wall alignment, elevations, honeycombs, incorrectly installed embeds or anchor bolts, missed chamfer/reveals, and non-draining floors in the kitchen areas, showers, mechanical areas, electrical areas, rec yards, etc.
22. All corrective and repair work shall be performed within 24-hours after notification and shall be accepted prior to payment issuance to Subcontractor for said work performed
23. OSHA Safety measures shall be required and implemented
    a. Delivery drivers shall wear proper PPE while on site (staging, off-loading, etc.)
24. Project planning, to include, but not limited to
    a. Participation in development of Master Construction Schedule
    b. Submit a Job Hazardous Analysis (JHA) for each definable feature of work in advance of work start
    c. Participation by foreman and all workers in a Preparatory Meeting to review JHA, safety requirements, proposed work, approved submittals and other applicable construction documents prior to starting work
25. Provide all warranties, guarantees, extended service agreements, training, etc. as required
26. Pricing is firm, not subject to escalation for duration of project

SPECIFIC EXCLUSIONS

1. Joint filler by others
2. Site Concrete (sidewalks, pavement, ramps, equipment pads, etc.) by BP-31A Turnkey Site
3. Footings/pole bases, light poles, duct banks, etc. by BP-26A Electrical
4. Grouting of masonry or hollow metal frames (BP-04A Masonry)
5. Testing (by others); however, re-testing/re-inspection costs due to failed tests are included herein by this Subcontractor
6. Architectural Precast Concrete by BP-04A Masonry

ALLOWANCES

Not Applicable

UNIT PRICES

Not Applicable

ALTERNATES

Alternate W-2, Pre-engineered Metal Canopies, if selected by Owner, shall include any specific or special requirements, above and beyond that of the base bid, to support the indicated Alternate scope:

- **Base Bid:** Provide a complete installation of the structural framed, metal deck and membrane roof canopies (Main Bus Students & East Canopies) as required to support the project
- **Alternate:** Provide a complete installation of pre-engineered metal canopies (Main Bus Student & East canopies) as indicated in lieu of base bid structural-framed canopies:
    - **BP-03A:**
        - Adjustment, if any, associated with concrete foundations as indicated
        - Grouting of columns provided under BP-07C Roofing
- If there is no cost difference between Base Bid and Alternate, then Alternate W-2 bid shall be "No Cost"; otherwise, indicate the net cost difference to provide Alternate scope
- Include all requirements outlined within this bid package

Subcontractor Scope of Work
Exhibit A

Waccamaw K-2 Building Replacement
Job No. 1952

BP 04A - Turnkey Masonry

This bid package is intended to be complementary to the Contract Documents including the Project Drawings, Specifications, Addendum, and Project Manual. Subcontractor acknowledges that the Subcontractor Specific Requirements are not intended to describe the complete and final work scope. Reference is made to the Specifications Sections, but is in no way intended to limit or alter the intent of the contract documents.

Subcontractor shall perform all work and shall furnish all layout, supervision, materials, labor, scaffolding, tools, equipment, supplies, services, rigging, craning and hoisting of all materials and equipment, temporary protection of own work, coordination of own work and interaction of work of others, home office and field administration, project management, scheduling, field supervision, engineering, quality control, safety, taxes, insurances, permits, punch list, closeouts and all other things necessary or reasonably incidental for the construction and completion of their work as portrayed in the enclosed enumerated contract documents and specification sections as referenced below:

SUBCONTRACTOR'S WORK SPECIFICALLY INCLUDES:

Bordeaux Bidding Requirements and Information 4/27/2020

Division 01 – General Requirements		
Division 03 – Concrete		(as it relates to this scope)
Division 04 – Masonry		
Section 042613	Masonry Veneer	Complete
Division 05 – Metals		(as it relates to this scope)
Division 07 – Thermal and Moisture Protection		(as it relates to this scope)

All Related Sections/Requirements referenced within each Division and/or section

SUBCONTRACTOR SPECIFIC REQUIREMENTS:

1. <u>Payment and performance bond are not required for this bid scope</u>
2. BP-01 General Inclusion Items as applicable to complete Work
3. The on-site foreman or superintendent for this work scope shall have a cellular service enabled iPad with iOS 10.2.1 or later and equipped with a durable LifeProof protective case or equivalent. The iPad shall have the latest version of the Procore Construction Management Software application installed in order to have all live project documents, drawings, submittals, etc. in hand and immediately accessible.

4. Complete installation of work in this bid scope in accordance with all local, state and federal (OSHA) safety regulations and/or requirements
5. Complete masonry installation as outlined in the construction documents and within this scope package to include all insurances and taxes
6. Dispose of all trash and general waste materials in dumpster provided by Construction Manager
    a. Masonry units, mortar, grout and concrete waste material shall not be disposed of in general construction debris dumpster
7. The following is a general outline of the items specifically included, but not limited to, in this bid scope:
    a. **Furnish and install, complete**:
        i. All CMU regardless of size, shape and location
        ii. All brick regardless of size, shape and location
        iii. All necessary sand and mortar (regular and colored)
        iv. All perimeter and cavity wall insulation (board, mineral wool, etc.)
        v. All perimeter flashing
        vi. All grout fill
        vii. All vertical and horizontal masonry rebar and horizontal wire reinforcing
        viii. All masonry accessories (flashings, weeps, vents, cavity flashings, mortar net, brick ties, rebar supports & spacers, etc.)
        ix. All masonry sand, regular mortar, colored mortar, dry-block, etc. as required by specification
        x. All exterior expansion joints
        xi. All epoxy drilling & doweling as required by this scope
        xii. Air Barrier, transition membrane & terminations on masonry walls (as it applies to this scope)
    b. **Install only** materials furnished by others:
        i. Include all associated cost to receive, unload, store, transport, stage, handle, install, etc. all materials furnished for installation in masonry under this bid scope
            1. All miscellaneous metals furnished by BP-05A to include angles, lintels, bearing plates, embeds, anchors, steel window supports etc.
            2. All hollow metal (HM) frames furnished by BP-08C Doors & Hardware
        ii. Include all necessary hoisting equipment, drills, drill bits, epoxy, anchors, fasteners etc
        iii. Include wrapping lintels with air barrier membrane as required
    c. Furnish all labor, material, equipment, accessories, etc. to make a complete installation of **all self-adhered sheet waterproofing**:
        i. Prepare, clean, treat, etc. substrate in accordance with manufacturer's written instructions
        ii. Include primers, conditioners and bonding agents as required
        iii. Include connections and transition membranes for connection by other trades as required

iv. Properly dispose of all chemicals, empty containers & packaging, product residues, etc. off-site as part of this scope. Said waste material shall not be disposed of in general construction debris dumpster

d. Include all layout required to complete this scope:
    i. Masonry walls on footings constructed by others
    ii. All Vertical and Horizontal control
    iii. Embeds, doors & frames, etc. in masonry walls
    iv. All anchors, embed plates, and other materials provided others
    v. Notify Construction Manager immediately of any discrepancies from Contract Documents
e. Protect floors from damage during construction
    i. Ensure floor protection is in place before construction begins
    ii. Maintain floor protection during prosecution of this work
    iii. Include cleaning of floors to remove all mortar residue, mortar staining, grout, etc.
f. Furnish concrete blankets, temporary enclosures, temporary heat, etc. as required for cold weather masonry. Review cold weather procedures with Construction Manager prior to implementing.
g. Include all associated cost to participate in mock-ups as required to demonstrate aesthetic effects and set quality standards for materials and execution
    i. Incorporate all work provided under this scope in mockup wall
    ii. Mockup is intended to demonstrate quality control as well as scope coordination at air barrier/flashing transitions of typical exterior wall construction of masonry wall construction, precast, manufactured stone veneer, flashing details, brick, and mortar colors, etc.
    iii. Remove walls at project closeout or as directed by Construction Manager
h. Special Inspections are required on this project
    i. Refer to Specifications and Drawings for schedule of special inspections as well as any other applicable specifications sections
    ii. Coordinate with special inspector, testing agencies, local inspectors and/or Engineer of Record as may be required
    iii. Include all associated cost to participate and support Special Inspections
i. Include all cost associated to demonstrate compliance with contract documents to include associated repairs:
    i. Subcontractor shall be responsible for all costs (initial testing, re-testing, corrective measures, repairs, etc.) at no additional cost to the project when its installation fails to meet compliance
    ii. Owner and Construction Manager reserve the right to request additional testing in the event of significant or continual test failures
    iii. Coordinate with Construction Manager for scheduling of inspections
j. Subcontractor is responsible for temporary power including generator and fuel costs until temporary power is in place
k. Subcontractor is responsible for all cost (temporary hydrant meter, usage fees, transportation, etc.) associated with providing water for its use until temporary

water is in place. Water is anticipated to be available at the site, coordinate requirements with Construction Manager and BP-31A Turnkey Site

l. Grout all hollow metal (HM) frames in masonry walls as required
m. Include labor and material to install spreader bars prior to grouting frames
    i. Slab on grade will be exposed, polished concrete. Utilize non-destructive means to kick spreader supports off to slab
    ii. Attachment direct to concrete slabs is not permitted
    iii. Install bracing at third-points within frames to ensure frames are installed "square"
n. Clean all exterior façade; coordinate use of chemical cleaning agents with Construction Manager prior to beginning cleaning activities to ensure compatibility with brick, precast, canopy, windows, etc.
    i. Protect adjacent finished surfaces from damage
o. Remove grout and mortar residue and film from metal frames (tops, edges and surfaces)
p. Include all dewatering as required for this scope
q. Include cleaning of all concrete surfaces to receive masonry as required; cleaning includes local dewatering and mud, dirt and debris removal
r. Where colored mortar is specified, mortar shall consist of natural sand and colored mortar as selected by Architect. White sand or white cement would be added as a cost change
s. Scaffold erection, areas and durations shall be coordinated with the Construction Manager so as to maintain safe access for all other subcontractors. Include all covered walkways beneath scaffold systems as may be necessary and multiple relocations as directed by Construction Manager
t. Consolidate all masonry rubble to a central point as directed by Construction Manager for removal by BP-31A Turnkey Site
u. Wash out all concrete materials in concrete washout location, see Site Logistics Plan
    i. Maintain washout as needed for removal of concrete materials
    ii. Consolidate all concrete rubble to a central point as directed by Construction Manager for removal by BP-31A Turnkey Site
    iii. General waste construction container is not suitable for concrete waste disposal
v. Forklifts will not be allowed on finished slab on grade areas:
    i. Feed materials from the exterior
    ii. Utilize pallet jacks to feed materials on finished slab areas where feeding from exterior is not feasible
    iii. Scissor lifts and other non-marking equipment may be allowed upon review of Subcontractor's erection plan with Construction Manager and receipt of written authorization thereof

8. Site Access Requirements

Subcontractor must conduct a 50-state background check and e-verify compliance for all personnel associated with the project

a. Submit completed Exhibit L—Lunsford Act & E-verify documentation to Construction Manager for Owner review and approval in advance of worker arriving on-site; same day approval **cannot** be granted.
b. All personnel, while on-site, must wear a plastic laminated photo identification badge that identifies person's name and employer. Badges are to be computer produced with a font large enough to be clearly visible. The ID badge template will be made available to successful prime contractors. All costs associated with criminal background checks, e-verification and ID Badging are the responsibility of each Subcontractor.
c. This a contractual requirement applicable to all personnel and all lower-tier subcontractors. Delivery drivers may be exempt with prior written approval from Construction Manager; submit request in advance.
d. Construction Manager and Owner reserve their right to deny any individual access to job-site for any reasonable condition

9. Permanent roads will be expedited along with temporary drive and laydown areas shown on Site Logistics Plan
    a. Subcontractor shall take special care to stay on temporary drives during inclement weather
10. Subcontractor shall repair all land disturbances caused by equipment under this bid scope regardless of wet/dry conditions to include, but not limited to, repair of rutting, damages to erosion control measures, damage to temporary or permanent roads, curbing, etc.
    a. Restore all disturbed areas to equal or better condition than original
11. Provide all traffic control, flagging, guides, signage, etc. as required for this scope
12. Maintain all roads, streets, parking, on-site and off-site roadways, etc. free and clear of any mud or debris created by this trade and its deliveries; clean-up shall occur immediately
    a. Sufficient personnel & equipment shall be on-site at all times to expedite this work
    b. Spillage of water, materials, etc. in public traffic areas shall be immediately cleaned
13. Inspect all substrates and conditions for suitability to receive work under this scope prior to starting work
    a. Advise Construction Manager immediately in writing of any deficiencies or issues
    b. Commencement of work guarantees acceptance of conditions
14. Daily cleanup of debris caused by this work
15. Furnish all ladders, lifts, shoring, scaffolding, etc. as required for this work
16. Furnish all supplemental lighting and power as required for this scope
17. Include field measure of all work in this bid scope prior to fabrication
18. Include all necessary mobilizations, multiple crews, staging of materials and equipment (scaffold, lull, mortar mixers, grout pump, light towers, etc.), night and weekend shifts as required to facilitate construction progress or directed by Construction Manager to complete the work
19. Protect all work under this scope from damage until accepted by Owner
20. Protect adjacent surfaces from damage by this scope of work
    a. Any damage to adjacent surfaces or work during execution of this scope shall be repaired or replaced by this Subcontractor at no additional cost to Construction Manager

b. Repairs shall be finished to match existing or adjacent construction
c. Patch and repair all building finishes, structural components or other appurtenances that are removed or damaged as a result of performance of this scope. Repair work shall include finishes, components, substructure and materials required for the installation of such work in accordance with standard practices and shall be finished to match existing or adjacent conditions.
d. Protect roadways and parking areas from damage caused by loading, unloading & staging of materials and equipment, hoisting & lifting activities, cranes, etc. All repair costs shall be borne by subcontractor responsible for said damages.

21. Subcontractor is responsible for all corrective repairs resulting from its defective workmanship
22. All corrective and repair work shall be performed within 24-hours after notification and shall be accepted prior to payment issuance to Subcontractor for said work performed
23. OSHA Safety measures shall be required and implemented
    a. Delivery drivers shall wear proper PPE while on site (staging, off-loading, etc.)
24. Project planning, to include, but not limited to
    a. Participation in development of Master Construction Schedule
    b. Submit a Job Hazardous Analysis (JHA) for each definable feature of work in advance of work start
    c. Participation by foreman and all workers in a Preparatory Meeting to review JHA, safety requirements, proposed work, approved submittals and other applicable construction documents prior to starting work
25. Provide all warranties, guarantees, service agreements, O&M, training, etc. as required
26. Provide all extra materials as required
27. Pricing firm, not subject to escalation for duration of project

SPECIFIC EXCLUSIONS

1. Fluid Applied Membrane Air Barrier by BP-07D
2. Firestopping by BP-09A
3. Roof air barrier under BP-07C

ALLOWANCES

Not Applicable

UNIT PRICES

Not Applicable

ALTERNATES

Not Applicable

Subcontractor Scope of Work
Exhibit A

Waccamaw K-2 Building Replacement
Job No. 1952

BP 05A - Turnkey Steel

This bid package is intended to be complementary to the Contract Documents including the Project Drawings, Specifications, Addendum, and Project Manual. Subcontractor acknowledges that the Subcontractor Specific Requirements are not intended to describe the complete and final work scope. Reference is made to the Specifications Sections, but is in no way intended to limit or alter the intent of the contract documents.

Subcontractor shall perform all work and shall furnish all layout, supervision, materials, labor, scaffolding, tools, equipment, supplies, services, rigging, craning and hoisting of all materials and equipment, temporary protection of own work, coordination of own work and interaction of work of others, home office and field administration, project management, scheduling, field supervision, engineering, quality control, safety, taxes, insurances, permits, punch list, closeouts and all other things necessary or reasonably incidental for the construction and completion of their work as portrayed in the enclosed enumerated contract documents and specification sections as referenced below:

SUBCONTRACTOR'S WORK SPECIFICALLY INCLUDES:

Bordeaux Bidding Requirements and Information 4/27/2020

Division 01 – General Requirements
Division 05 – Metals
- Section 052100 Steel Joists
- Section 053100 Steel Decking
- Section 055000 Metal Fabrications
- Section 055213 Pipe & Tube Railings
- Section 057500 Custom Metal Canopy

Division 09 – Finishes
- Section 099100 Painting (as it relates to this scope)

All Related Sections/Requirements referenced within each Division and/or section

SUBCONTRACTOR SPECIFIC REQUIREMENTS:

1. Payment and performance bond are not required for this bid scope
2. BP-01 General Inclusion Items as applicable to complete Work
3. The on-site foreman or superintendent for this work scope shall have a cellular service enabled iPad with iOS 10.2.1 or later and equipped with a durable LifeProof protective case or equivalent. The iPad shall have the latest version of the Procore Construction

Management Software application installed in order to have all live project documents, drawings, submittals, etc. in hand and immediately accessible.

4. This project will utilize Building Information Modeling to facilitate the preparation of coordinated shop drawings. Participation in the BIM model is a requirement of this bid package. Reference Bid Package BP-01 General Inclusions of the bid manual and Exhibit M for detailed BIM requirements for this project
5. Complete installation of work in this bid scope in accordance with all local, state and federal (OSHA) safety regulations and/or requirements
6. Complete installation as outlined in the construction documents and within this scope package to include all insurances and taxes
7. Dispose of all trash and waste materials in dumpster provided by Construction Manager
8. The following is a general outline of the items specifically included, but not limited to, in this bid scope:

    a. Scope of work includes:
        i. **Turnkey** Steel (Fabrication, delivery & Installation)
            1. All Structural steel including, but not limited to:
                a. Metal deck for roof decking
                b. Bar joists
            2. All Exterior Custom Metal Canopies
                a. Framing & decking
            3. Include all delegated-design requirements
        ii. **Turnkey** Miscellaneous Metals (fabrication, delivery & installation)
            1. All handrails (interior & exterior)
            2. All roof ladders
            3. All framed roof openings
                a. Coordinate size & layout with BP-23A HVAC & BP-07C Roofing
            4. All cost associated with delegated-design of stairs, handrails, etc. and any other specified design of misc. metals as part of this scope
                a. Furnish engineering calculations stamped by a Professional Engineer registered in North Carolina
            5. All steel material bolted to CMU for bridging, deck support angle, angle wall bracing members, brick shelf angles, etc. Installation to include all necessary hoisting equipment, drills, drill bits, epoxy, anchors, fasteners etc.
            6. All top-of-wall masonry wall bracing
        iii. **Furnish <u>only</u>** Miscellaneous Metals
            1. All anchor bolts
            2. All loose embeds (walls & floors)
            3. All loose masonry lintels, brick shelf angles and lintels bearing on embeds only; install under BP-04A Turnkey Masonry
            4. All steel angles for threshold embed as indicated
            5. All steel in-wall and angle frames to support casework countertops
            6. All metal bollards; installed under BP-03A Turnkey Concrete
            7. Metal Downspout Boots where indicated or required

b. All steel columns, beams, joists, deck, tube members, lintels, bent plates, cross bracing, decking, girders, channels, accessories, etc. to be furnished and installed unless specifically noted otherwise in this bid scope
    i. Coordinate material deliver and turn-over with Construction Manager for any materials furnished material only
c. All steel exposed or visible to the exterior (lintels, bollards, railings, stairs, ladders, sill, jamb & head supports for windows and doors, etc.) to be galvanized, whether shown or specified otherwise
d. All interior metal stair treads, risers, stringers, framing and mezzanine checkered plate floor and underside enclosures, metal handrails and railings to be galvanized, whether shown or specified otherwise
e. Metal decking scheduled to receive painted finish must not be passivated
f. Include all sales tax for steel material
g. Subcontractor shall be responsible for the substrate finish of any exposed steel, stair, railing, ladder, etc. provided under this scope.
    i. Intent is to remediate any nick, ding, burr, or other damage resulting from manufacturing, delivery, handling and installation to provide a smooth, uniform exposed surface ready to receive specified finish
    ii. Remediation includes grinding, sanding, Bondo, etc.
    iii. Coordinate with CM for scheduling this work
h. Special Inspections are required on this project
    i. Refer to Specifications and Drawings for schedule of special inspections as well as any other applicable specifications sections
    ii. Coordinate with special inspector, testing agencies, local inspectors and/or Engineer of Record as may be required
    iii. Include all associated cost to participate and support Special Inspections
    iv. Subcontractor shall be responsible for all costs (re-testing, corrective measures, repairs, etc.) at no additional cost to the project when its installation fails to meet compliance
    v. Owner and Construction Manager reserve the right to request additional testing in the event of significant or continual test failures
    vi. Coordinate with Construction Manager for scheduling of inspections Special Inspections are required on this project
i. Include all necessary mobilizations of manpower and equipment (cranes, scaffolding, lifts, welders, etc.) as required to facilitate construction progress and/or as directed by Construction Manager
j. Include all cost associated with participation in mock-ups as required to demonstrate aesthetic effects and set quality standards for materials and execution
    i. Incorporate all work provided under this scope in mock-up wall
k. Unload and store on cribbage, dunnage or pallets all materials furnished under this bid scope
    i. All materials must be clean, free of dirt and mud, prior to installation
    ii. All materials installed under this scope which require supplemental cleaning shall be Subcontractor's responsibility at no cost to the project

l. Include cleaning of all surfaces to receive structural steel as required; cleaning includes local dewatering and mud, dirt and debris removal
m. Forklifts will not be allowed on finished slab-on-grade areas:
    i. Feed materials from the exterior
    ii. Utilize pallet jacks to feed materials on finished slab areas where feeding from exterior is not feasible
    iii. Scissor lifts and other non-marking equipment may be allowed upon review of Subcontractor's erection plan with Construction Manager and receipt of written authorization thereof

9. Site Access Requirements

Subcontractor must conduct a 50-state background check and e-verify compliance for all personnel associated with the project

a. Submit completed Exhibit L—Lunsford Act & E-verify documentation to Construction Manager for Owner review and approval in advance of worker arriving on-site; same day approval **cannot** be granted.
b. All personnel, while on-site, must wear a plastic laminated photo identification badge that identifies person's name and employer. Badges are to be computer produced with a font large enough to be clearly visible. The ID badge template will be made available to successful prime contractors. All costs associated with criminal background checks, e-verification and ID Badging are the responsibility of each Subcontractor.
c. This a contractual requirement applicable to all personnel and all lower-tier subcontractors. Delivery drivers may be exempt with prior written approval from Construction Manager; submit request in advance.
d. Construction Manager and Owner reserve their right to deny any individual access to job-site for any reasonable condition

10. Permanent roads will be expedited along with temporary drive and laydown areas shown on Site Logistics Plan
    a. Subcontractor shall take special care to stay on temporary drives during inclement weather
11. Subcontractor shall repair all land disturbances caused by equipment under this bid scope regardless of wet/dry conditions to include, but not limited to, repair of rutting, damages to erosion control measures, damage to temporary or permanent roads, curbing, etc.
    a. Restore all disturbed areas to equal or better condition than original
12. Provide all traffic control, flagging, guides, signage, etc. as required for this scope
13. Maintain all roads, streets, parking, on-site and off-site roadways, etc. free and clear of any mud or debris created by this trade and its deliveries; clean-up shall occur immediately
    a. Sufficient personnel & equipment shall be on-site at all times to expedite this work
    b. Spillage of water, materials, etc. in public traffic areas shall be immediately cleaned
14. Inspect all substrates and conditions for suitability to receive work under this scope prior to starting work
    a. Advise Construction Manager immediately in writing of any deficiencies or issues
    b. Commencement of work guarantees acceptance of conditions
15. Daily cleanup of debris caused by this work

16. Furnish all ladders, lifts, shoring, scaffolding, etc. as required for this work
17. Furnish all supplemental lighting and power as required for this scope
18. Include field measure of all work in this bid scope prior to fabrication
19. Include all necessary mobilizations, multiple crews, staging of materials and equipment (scaffold, lull, mortar mixers, grout pump, light towers, etc.), night and weekend shifts as required to facilitate construction progress or directed by Construction Manager to complete the work
20. Protect all work under this scope from damage until accepted by Owner
21. Protect adjacent surfaces from damage by this scope of work
    a. Any damage to adjacent surfaces or work during execution of this scope shall be repaired or replaced by this Subcontractor at no additional cost to Construction Manager
    b. Repairs shall be finished to match existing or adjacent construction
    c. Patch and repair all building finishes, structural components or other appurtenances that are removed or damaged as a result of performance of this scope. Repair work shall include finishes, components, substructure and materials required for the installation of such work in accordance with standard practices and shall be finished to match existing or adjacent conditions.
    d. Protect roadways and parking areas from damage caused by loading, unloading & staging of materials and equipment, hoisting & lifting activities, cranes, etc. All repair costs shall be borne by subcontractor responsible for said damages.
22. Subcontractor is responsible for all corrective repairs resulting from its defective workmanship
23. All corrective and repair work shall be performed within 24-hours after notification and shall be accepted prior to payment issuance to Subcontractor for said work performed
24. OSHA Safety measures shall be required and implemented
    a. Delivery drivers shall wear proper PPE while on site (staging, off-loading, etc.)
25. Project planning, to include, but not limited to
    a. Participation in development of Master Construction Schedule
    b. Submit a Job Hazardous Analysis (JHA) for each definable feature of work in advance of work start
    c. Participation by foreman and all workers in a Preparatory Meeting to review JHA, safety requirements, proposed work, approved submittals and other applicable construction documents prior to starting work
26. Provide all warranties, guarantees, service agreements, O&M, training, etc. as required
27. Provide all extra materials as required
28. Pricing firm, not subject to escalation for duration of project

SPECIFIC EXCLUSIONS

1. Pre-engineered aluminum canopies (BP-07C Roofing)
2. Temporary CMU bracing

ALLOWANCES

Not Applicable

UNIT PRICES

Not Applicable

ALTERNATES

Alternate W-2, Pre-engineered Metal Canopies, if selected by Owner, shall include any specific or special requirements, above and beyond that of the base bid, to support the indicated Alternate scope:

- **Base Bid:** Provide a complete installation of the structural framed, metal deck and membrane roof canopies (Main Bus Students & East Canopies) as required to support the project
- **Alternate:** Provide a complete installation of pre-engineered metal canopies (Main Bus Student & East canopies) as indicated in lieu of base bid structural-framed canopies:
    - **BP-05A:**
        - Delete custom structural framed, metal deck canopies as indicated
- If there is no cost difference between Base Bid and Alternate, then Alternate W-2 bid shall be "No Cost"; otherwise, indicate the net cost difference to provide Alternate scope
- Include all requirements outlined within this bid package

Subcontractor Scope of Work
Exhibit A

Waccamaw K-2 Building Replacement
Job No. 1952

BP 07C - Roofing

This bid package is intended to be complementary to the Contract Documents including the Project Drawings, Specifications, Addendum, and Project Manual. Subcontractor acknowledges that the Subcontractor Specific Requirements are not intended to describe the complete and final work scope. Reference is made to the Specifications Sections, but is in no way intended to limit or alter the intent of the contract documents.

Subcontractor shall perform all work and shall furnish all layout, supervision, materials, labor, scaffolding, tools, equipment, supplies, services, rigging, craning and hoisting of all materials and equipment, temporary protection of own work, coordination of own work and interaction of work of others, home office and field administration, project management, scheduling, field supervision, engineering, quality control, safety, sales taxes, insurances, and punch list, closeout and all other things necessary or reasonably incidental for the construction and completion of their work as portrayed in the enclosed enumerated contract documents and specification sections as referenced below:

SUBCONTRACTOR'S WORK SPECIFICALLY INCLUDES:

Bordeaux Bidding Requirements and Information 4/27/2020

Division 01 – General Requirements
Division 05 – Metals

Section 057500	Custom Metal Canopies	(as it applies to this scope)
Division 06 – Wood, Plastics & Composites		(as it relates to this scope)
Division 07 – Moisture & Thermal Protection		
Section 072100	Thermal Insulation	(as it relates to this scope)
Section 072600	Vapor Retarders/Air Barrier	(as it relates to this scope)
Section 075423	Polyvinyl Chloride (PVC) Roofing	
Section 076200	Sheet Metal Flashing & Trim	
Section 077100	Roof Specialties	
Section 077200	Roof Accessories	
Section 079200	Joint Sealants	(as it relates to this scope)

All Related Sections/Requirements referenced within each Division and/or section

SUBCONTRACTOR SPECIFIC REQUIREMENTS:

1. Payment and performance bond are required for this bid scope. Cost of payment and performance bonds are included in the base bid price.
2. BP-01 General Inclusion Items as applicable to complete Work
3. The on-site foreman or superintendent for this work scope shall have a cellular service enabled iPad with iOS 10.2.1 or later and equipped with a durable LifeProof protective case or equivalent. The iPad shall have the latest version of the Procore Construction Management Software application installed in order to have all live project documents, drawings, submittals, etc. in hand and immediately accessible.
4. Complete installation of work in this bid scope in accordance with all local, state and federal (OSHA) safety regulations and/or requirements
5. Furnish all necessary and required waste containers (dumpsters) for this scope
6. Complete roofing systems as outlined in the construction documents and within this scope package
7. The following is a general outline of the items specifically included, but not limited to, in this bid scope:
    a. Furnish all labor, materials, equipment, anchors, fasteners, caulking and sealants and other accessories as required to make a complete installation of:
        i. PVC roof system assemblies to include custom metal canopies
        ii. All roof accessories (roof hatch, splash blocks, walk pads, etc.)
            1. Roof hatches to include ladder safety post
            2. Install protective membrane under piping & conduit supports
        iii. All rigid insulation, tapered insulation, crickets, cover boards, underlayments, etc.
        iv. All sheetmetal flashings & trim (gutters, fascia, downspouts, scuppers, collector heads, copings, etc.)
            1. Include color selection from manufacturer's standard colors
            2. Furnish only masonry wall receiver flashing for stepped thru wall flashing and/or reglet roof flashing for installation by BP-04 Turnkey Masonry
            3. Furnish & install counterflashing into receiver flashing as part of this scope
            4. Provide metal protection from galvanic action as specified where dissimilar metals will contact each other
            5. Furnish & install metal parapet cap including wood blocking
        v. All sheetmetal fascia, trim, coping and plywood associated with custom metal canopies:
            1. Include color selection from manufacturer's standard colors
            2. Light gauge metal framing installed by BP-09A Drywall
            3. Metal soffit and hat channel installed by BP-09A Drywall
            4. Include all requirements outlined within this bid package
        vi. Joint Sealants (as it applies to this scope)
        vii. Air Barrier (as it applies to this scope)
    b. Furnish & install all wood blocking and nailable surfaces for attachment of membrane, copings, gutters, downspouts, etc.

i. Include full-width spacers for anchoring wood nailers to tops of walls thru board insulation; spacers located maximum 24" on center
ii. Board insulation thickness on top of wall shall match thickness of wood spacer (1.5")
iii. Include wood nailers to support equipment curbs, roof hatches, etc.

c. Install roof drains to include cutting of deck and installing drain pan, set ready for connection by BP-22A Plumbing; roof drains are provided under BP-22A
d. Furnish & install flashing of all vent pipe, HVAC pipe supports, electrical penetrations, etc. Provide pitch pocket in lieu of boot style flashing detail for multiple small conduit penetrations as required for control/power wiring to electrical supports for roof mounted HVAC equipment
e. Furnish & install cast iron boot for downspouts as required:
    i. Paint boots to match downspouts
    ii. Coordinate outlet location and tie-in connection requirements to storm drainage with BP-31A Sitework
f. Include all cost associated with participation in mock-ups as required to demonstrate aesthetic effects and set quality standards for materials and execution
    i. Incorporate all sheetmetal work (parapet cap, fascia, trim, coping caps, corners, flashings, etc.
    ii. Incorporate all work provided under this scope in mock-up wall
g. Sweep roof down prior to inspection, remove all loose materials, whether roof related or not
h. Air barrier installation will require careful coordination with other trades. Where air barrier is provided under this bid scope, at no additional cost to the project, provide air barrier transition strip for later tie-in under this bid scope if necessary to allow air barrier/sprayed foam to progress
i. Prefinished coping to include welded, pre-manufactured corners as specified. Field made or riveted corners are not acceptable. Include field measuring to adjust for deviations in wall thickness or squareness

8. Site Access Requirement

Subcontractor must conduct a 50-state background check and e-verify compliance for all personnel associated with the project

a. Submit completed Exhibit L—Lunsford Act & E-verify documentation to Construction Manager for Owner review and approval in advance of worker arriving on-site; same day approval **cannot** be granted.
b. All personnel, while on-site, must wear a plastic laminated photo identification badge that identifies person's name and employer. Badges are to be computer produced with a font large enough to be clearly visible. The ID badge template will be made available to successful prime contractors. All costs associated with criminal background checks, e-verification and ID Badging are the responsibility of each Subcontractor.
c. This a contractual requirement applicable to all personnel and all lower-tier subcontractors. Delivery drivers may be exempt with prior written approval from Construction Manager; submit request in advance.

    d. Construction Manager and Owner reserve their right to deny any individual access to job-site for any reasonable condition

9. Forklifts and other equipment will not be allowed on finished slab on grade areas without written authorization from Construction Manager
10. Permanent roads will be expedited along with temporary drive and laydown areas shown on Site Logistics Plan
    a. Subcontractor shall take special care to stay on temporary drives during inclement weather
11. Subcontractor shall repair all land disturbances caused by equipment under this bid scope regardless of wet/dry conditions to include, but not limited to, repair of rutting, damages to erosion control measures, damage to temporary or permanent roads, curbing, etc.
    a. Restore all disturbed areas to equal or better condition than original
12. Provide all traffic control, flagging, guides, signage, etc. as required for this scope
13. Maintain all roads, streets, parking, off-site roadways, etc. free and clear of any mud or debris created by this trade and its deliveries; clean-up shall occur immediately
    a. Sufficient personnel & equipment shall be on-site at all times to expedite this work
    b. Spillage of water, materials, etc. in public traffic areas shall be immediately cleaned
14. Inspect all substrates and conditions for suitability to receive work under this scope prior to starting work
    a. Advise Construction Manager immediately in writing of any deficiencies or issues
    b. Commencement of work guarantees acceptance of conditions
15. Daily clean-up of all trash and debris caused by this work
16. Furnish all ladders, lifts, shoring, scaffolding, etc. as required for this work
17. Furnish all supplemental lighting and power as required for this scope
18. Include field measure of all work in this bid scope prior to fabrication
19. Include all necessary mobilizations, multiple crews and equipment, night and weekend shifts as required or directed by Construction Manager to complete the work
20. Protect all work under this scope from damage until accepted by Owner
21. Protect adjacent surfaces from damage by this scope of work
    a. Any damage to adjacent surfaces or work during execution of this scope shall be repaired or replaced by this Subcontractor at no additional cost to Construction Manager
    b. Repairs shall be finished to match existing or adjacent construction
    c. Patch and repair all building finishes, structural components or other appurtenances that are removed or damaged as a result of performance of this scope. Repair work shall include finishes, components, substructure and materials required for the installation of such work in accordance with standard practices and shall be finished to match existing or adjacent conditions.
    d. Protect roadways and parking areas from damage caused by loading, unloading & staging of materials and equipment, hoisting & lifting activities, cranes, etc. All repair costs shall be borne by subcontractor responsible for said damages.
22. Subcontractor is responsible for all corrective repairs resulting from its defective workmanship

23. All corrective and repair work shall be performed within 24-hours after notification and shall be accepted prior to payment issuance to Subcontractor for said work performed
24. OSHA Safety measures shall be required and implemented
    a. Delivery drivers shall wear proper PPE while on site (staging, off-loading, etc.)
25. Project planning, to include, but not limited to:
    a. Participation in development of Master Construction Schedule
    b. Submit a Job Hazardous Analysis (JHA) for each definable feature of work in advance of work start
    c. Participation by foreman and all workers in a Preparatory Meeting to review JHA, safety requirements, proposed work, approved submittals and other applicable construction documents prior to starting work
26. Provide all warranties, guarantees, extended service agreements, training, etc. as required
27. Pricing is firm, not subject to escalation for duration of project

SPECIFIC EXCLUSIONS

1. Sprayed foam insulation
2. Roof drains furnished under BP-22A Plumbing

ALLOWANCES

Not Applicable

UNIT PRICES

Not Applicable

ALTERNATES

Alternate W-2, Pre-engineered Metal Canopies, if selected by Owner, shall include any specific or special requirements, above and beyond that of the base bid, to support the indicated Alternate scope:

- **Base Bid:** Provide a complete installation of the structural framed, metal deck and membrane roof canopies (Main Bus Students & East Canopies) as required to support the project
- **Alternate:** Provide a complete installation of pre-engineered metal canopies (Main Bus Student & East canopies) as indicated in lieu of base bid structural-framed canopies:
    - **BP-07C:**
        - Delete PVC roof assembly, fascia, coping & metal trim, associated plywood and wood nailers, etc.
        - Furnish & install pre-engineered metal canopies as indicated
            - Include all delegated-design requirements
            - Include all flashings & trim
            - Include all grouting of columns
            - Include all manufacturer-specific below-grade treatments of columns

    - Include cutouts in columns for roof drainage piping
        - include grout piping as required
        - Coordinate with other trades
        - Refer to Detail 3-3/S2.04 and Drawing P-102
- If there is no cost difference between Base Bid and Alternate, then Alternate W-2 bid shall be “No Cost”; otherwise, indicate the net cost difference to provide Alternate scope
- Include all requirements outlined within this bid package

Subcontractor Scope of Work
Exhibit A

Waccamaw K-2 Building Replacement
Job No. 1952

BP 07D - Caulk & Sealants

This bid package is intended to be complementary to the Contract Documents including the Project Drawings, Specifications, Addendum, and Project Manual. Subcontractor acknowledges that the Subcontractor Specific Requirements are not intended to describe the complete and final work scope. Reference is made to the Specifications Sections, but is in no way intended to limit or alter the intent of the contract documents.

Subcontractor shall perform all work and shall furnish all layout, supervision, materials, labor, scaffolding, tools, equipment, supplies, services, rigging, craning and hoisting of all materials and equipment, temporary protection of own work, coordination of own work and interaction of work of others, home office and field administration, project management, scheduling, field supervision, engineering, quality control, safety, taxes, insurances, punch list, closeout and all other things necessary or reasonably incidental for the construction and completion of their work as portrayed in the enclosed enumerated contract documents and specification sections as referenced below:

SUBCONTRACTOR'S WORK SPECIFICALLY INCLUDES:

Bordeaux Bidding Requirements and Information 4/27/2020

Division 01 – General Requirements
Division 07 – Moisture & Thermal Protection
Section 072726 Fluid-Applied Membrane Air Barrier
Section 079200 Joint Sealants

All Related Sections/Requirements referenced within each Division and/or section

SUBCONTRACTOR SPECIFIC REQUIREMENTS:

1. BP-01 General Inclusion Items as applicable to complete Work
2. Complete installation of work in this bid scope in accordance with all local, state and federal (OSHA) safety regulations and/or requirements
3. Complete installation as outlined in the construction documents and within this scope package
4. Dispose of all trash and waste materials in dumpster provided by Construction Manager
5. The following is a general outline of the items specifically included, but not limited to, in this bid scope:
    a. Furnish all labor, material, equipment, backer rod, accessories, etc. to make a complete installation of all **caulking and sealants**:
        i. Exterior Joints: Vertical surfaces and horizontal non-traffic surfaces

ii. Exterior Joints: Horizontal traffic surfaces
iii. Interior joints: Vertical surfaces and horizontal non-traffic surfaces
iv. Interior Joints: horizontal traffic surfaces
v. Acoustical sealants as required

b. Clean and prepare joints in accordance with manufacturer's written recommendations to include primers, masking tape, re-sawing of concrete joints, etc.
c. Clean off excess sealant and smears from adjacent surfaces as work progresses
d. Include caulking of exterior and interior masonry control joints, interior caulking of vertical and horizontal joints of dissimilar materials, interior vertical masonry or drywall expansion control joints, caulking around perimeter of hollow metal or window frames, caulking of concrete control or expansion joints for interior and exterior slabs (excluding polished concrete floor finish areas), walks or pavement.
e. Include caulking of all hollow metal frames to adjacent floor finishes. Caulk color shall be selected by architect to match floor
f. Include caulking of all items requiring backer rod, unless specifically noted by others
g. Include caulking of interior corners of CMU walls
h. Include caulking of exterior wall louvers, downspouts or downspout boots as required
i. Include caulking around perimeter of plumbing fixtures to floor or wall finishes
j. Furnish all labor, material, equipment, accessories, etc. to make a complete installation of the **Fluid-Applied Air Barrier** System:
    i. Prepare, clean, treat, etc. substrate in accordance with manufacturer's written instructions
        1. Include cleaning of masonry mortar off of "eyes" of masonry horizontal reinforcing prior to air barrier installation
        2. Include all sheathing joint preparation, tape and sealing
    ii. Include all connections and transition membranes to prevent air leakage in the building envelope as required
        1. Include Peel & Stick flashing at all wall openings & penetrations
        2. Wrap all wall openings completely (jambs, sills & heads), full-depth
    iii. Properly dispose of all chemicals, empty containers & packaging, product residues, etc. off-site as part of this scope. Said waste material shall not to be disposed of in general construction debris dumpster
k. Scope of Work to include participation in construction of mockup wall to demonstrate workmanship, correct materials and for coordination with project subcontractors
    i. Incorporate all work provided under this scope in mockup wall
    ii. Caulking of joints in project mockup wall panels to demonstrate workmanship, correct materials and for coordination with other subcontractors
l. Include all cost associated with demonstration of specification compliance to include associated repairs
    i. Subcontractor shall be responsible for all costs (initial testing, re-testing, corrective measures, repairs, etc.) when its installation fails to meet compliance at no additional cost to the project
    ii. Include all cost associated with Pre-Construction Field-Adhesion Testing

iii. Include all cost associated with manufacturer's technical representative to attend Preconstruction Field adhesion testing

6. Site Access Requirements

Subcontractor must conduct a 50-state background check and e-verify compliance for all personnel associated with the project

a. Submit completed Exhibit L—Lunsford Act & E-verify documentation to Construction Manager for Owner review and approval in advance of worker arriving on-site; same day approval **cannot** be granted.
b. All personnel, while on-site, must wear a plastic laminated photo identification badge that identifies person's name and employer. Badges are to be computer produced with a font large enough to be clearly visible. The ID badge template will be made available to successful prime contractors. All costs associated with criminal background checks, e-verification and ID Badging are the responsibility of each Subcontractor.
c. This a contractual requirement applicable to all personnel and all lower-tier subcontractors. Delivery drivers may be exempt with prior written approval from Construction Manager; submit request in advance.
d. Construction Manager and Owner reserve their right to deny any individual access to job-site for any reasonable condition

7. Furnish all ladders, lifts, shoring, scaffolding, etc. as required for this work
8. Furnish all supplemental lighting and power as required for this scope
9. Include field measure of all work in this bid scope prior to fabrication
10. Include all necessary mobilizations, multiple crews and equipment, night and weekend shifts as required or directed by Construction Manager to complete the work
11. Protect all work under this scope from damage until accepted by Owner
12. Protect adjacent surfaces from damage by this scope of work
    a. Any damage to adjacent surfaces or work during execution of this scope shall be repaired or replaced by this Subcontractor at no additional cost to Construction Manager
    b. Repairs shall be finished to match existing or adjacent construction
    c. Patch and repair all building finishes, structural components or other appurtenances that are removed or damaged as a result of performance of this scope. Repair work shall include finishes, components, substructure and materials required for the installation of such work in accordance with standard practices and shall be finished to match existing or adjacent conditions.
    d. Protect roadways and parking areas from damage caused by loading, unloading & staging of materials and equipment, hoisting & lifting activities, cranes, etc. All repair costs shall be borne by subcontractor responsible for said damages.
13. Subcontractor is responsible for all corrective repairs resulting from its defective workmanship
14. All corrective and repair work shall be performed within 24-hours after notification and shall be accepted prior to payment issuance to Subcontractor for said work performed
15. OSHA Safety measures shall be required and implemented:
16. Project planning, to include, but not limited to:

a. Participation in development of Master Construction Schedule
b. Submit a Job Hazardous Analysis (JHA) for each definable feature of work in advance of work start
c. Participation by foreman and all workers in a Preparatory Meeting to review JHA, safety requirements, proposed work, approved submittals and other applicable construction documents prior to starting work

17. Inspect all substrates and conditions for suitability to receive work under this scope prior to starting work
    a. Advise Construction Manager immediately in writing of any deficiencies or issues
    b. Commencement of work guarantees acceptance of conditions
18. Provide all warranties, guarantees, extended service agreements, training, etc. as required
19. Pricing is firm, not subject to escalation for duration of project

SPECIFIC EXCLUSIONS

1. Firestopping as provided by BP-09A
2. Pre-finished "bellows" type expansion joints
3. Caulking of all Storefront or aluminum entrance frames as provided by BP- 08A
4. Caulking of all Casework, Cabinets and Countertops as provided by BP-06A
5. Caulking of all Ceramic Tile Floor Expansion Joints as provided by BP-09B
6. Sealants for installation of Window & Glass will be installed by BP-08A
7. Dampproofing of Exterior CMU Below Grade Walls is by BP-04A

ALLOWANCES

Not Applicable

UNIT PRICES

Not Applicable

ALTERNATES

Not Applicable

Subcontractor Scope of Work
Exhibit A

Waccamaw K-2 Building Replacement
Job No. 1952

BP 08A – Aluminum Entrances and Storefront

This bid package is intended to be complementary to the Contract Documents including the Project Drawings, Specifications, Addendum, and Project Manual. Subcontractor acknowledges that the Subcontractor Specific Requirements are not intended to describe the complete and final work scope. Reference is made to the Specifications Sections, but is in no way intended to limit or alter the intent of the contract documents.

Subcontractor shall perform all work and shall furnish all layout, supervision, materials, labor, scaffolding, tools, equipment, supplies, services, rigging, craning and hoisting of all materials and equipment, temporary protection of own work, coordination of own work and interaction of work of others, home office and field administration, project management, scheduling, field supervision, engineering, quality control, safety, taxes, insurances, permits, punch list, closeouts and all other things necessary or reasonably incidental for the construction and completion of their work as portrayed in the enclosed enumerated contract documents and specification sections as referenced below:

SUBCONTRACTOR'S WORK SPECIFICALLY INCLUDES:

Bordeaux Bidding Requirements and Information 4/27/2020

Division 01 – General Requirements
Division 07 – Thermal & Moisture Protection

Section 079200	Joint Sealants	(as it applies to this scope)

Division 08 – Openings

Section 084113	Aluminum-Framed Entrances & Storefronts	
Section 087110	Door Hardware	(as it applies to this scope)
Section 088000	Glazing	(as it applies to this scope)

All Related Sections/Requirements referenced within each Division and/or section

SUBCONTRACTOR SPECIFIC REQUIREMENTS:

1. BP-01 General Inclusion Items as applicable to complete Work
2. The on-site foreman or superintendent for this work scope shall have a cellular service enabled iPad with iOS 10.2.1 or later and equipped with a durable LifeProof protective case or equivalent. The iPad shall have the latest version of the Procore Construction Management Software application installed in order to have all live project documents, drawings, submittals, etc. in hand and immediately accessible.
3. Complete installation of work in this bid scope in accordance with all local, state and federal (OSHA) safety regulations and/or requirements

4. Complete installation as outlined in the construction documents and within this scope package to include all insurances and taxes
5. Dispose of all trash and waste materials in dumpster provided by Construction Manager
6. The following is a general outline of the items specifically included, but not limited to, in this bid scope:

    a. Furnish all labor, material, equipment, accessories, etc. to make a complete installation of:
        i. Aluminum Storefront windows and entrances
        ii. Hardware for all aluminum entrances
            1. Cylinders for aluminum entrances will be furnished for installation under this bid scope by BP-08C Doors & Hardware
        iii. Glazing for aluminum storefronts and entrances
        iv. Glazing for hollow metal and wood doors
        v. Window film and shading where indicated or specified
        vi. Delegated design for storefront windows & entrances and glazing as required
    b. Furnish & install all sill drain pans
    c. Furnish & install flexible flashing at window sills; coordinate installation with BP-04A
    d. Furnish & install interior aluminum clips and covers at window sills
    e. Caulk and sealant of storefront assemblies to dissimilar materials including any necessary backer rod to seal cavity is included in this bid scope
    f. Include post construction adjustment of doors and hardware as required
    g. Clean windows and frames after completion
    h. Include participation in mock-ups as required to demonstrate aesthetic effects and set quality standards for materials and execution
        i. Incorporate all work provided under this bid scope in mock-up wall
    i. Include all associated cost to perform 3rd party spray testing of window systems, roof flashings & HVAC equipment according with AAMA 501.2 under this bid scope:
        i. **Test all** window systems and exterior doors
        ii. For spray testing of window systems, follow full AAMA 501.2 testing requirements
        iii. Any retesting of failed tests will be paid for by the responsible subcontractor
        iv. Submit qualifications of 3rd party spray testing firm prior to beginning. Self-performing spray testing will not be permitted

7. Site Access Requirements

Subcontractor must conduct a 50-state background check and e-verify compliance for all personnel associated with the project

a. Submit completed Exhibit L—Lunsford Act & E-verify documentation to Construction Manager for Owner review and approval in advance of worker arriving on-site; same day approval **cannot** be granted.
b. All personnel, while on-site, must wear a plastic laminated photo identification badge that identifies person's name and employer. Badges are to be computer produced with a font large enough to be clearly visible. The ID badge template will be made available to successful prime contractors. All costs associated with criminal

background checks, e-verification and ID Badging are the responsibility of each Subcontractor.

c. This a contractual requirement applicable to all personnel and all lower-tier subcontractors. Delivery drivers may be exempt with prior written approval from Construction Manager; submit request in advance.
d. Construction Manager and Owner reserve their right to deny any individual access to job-site for any reasonable condition

8. Inspect all substrates and conditions for suitability to receive work under this scope prior to starting work
    a. Advise Construction Manager immediately in writing of any deficiencies or issues
    b. Commencement of work guarantees acceptance of conditions
9. Daily cleanup of debris caused by this work
10. Furnish all ladders, lifts, shoring, scaffolding, etc. as required for this work
11. Furnish all supplemental lighting and power as required for this scope
12. Include field measure of all work in this bid scope prior to fabrication
13. Include all necessary mobilizations, multiple crews and equipment, night and weekend shifts as required or directed by Construction Manager to complete the work
14. Protect all work under this scope from damage until accepted by Owner
15. Protect adjacent surfaces from damage by this scope of work
    a. Any damage to adjacent surfaces or work during execution of this scope shall be repaired or replaced by this Subcontractor at no additional cost to Construction Manager
    b. Repairs shall be finished to match existing or adjacent construction
    c. Patch and repair all building finishes, structural components or other appurtenances that are removed or damaged as a result of performance of this scope. Repair work shall include finishes, components, substructure and materials required for the installation of such work in accordance with standard practices and shall be finished to match existing or adjacent conditions.
    d. Protect roadways and parking areas from damage caused by loading, unloading & staging of materials and equipment, hoisting & lifting activities, cranes, etc. All repair costs shall be borne by subcontractor responsible for said damages.
16. Subcontractor is responsible for all corrective repairs resulting from its defective workmanship
17. All corrective and repair work shall be performed within 24-hours after notification and shall be accepted prior to payment issuance to Subcontractor for said work performed
18. OSHA Safety measures shall be required and implemented
19. Provide all warranties, guarantees, service agreements, O&M, training, etc. as required
20. Provide all extra materials as required
21. Pricing firm, not subject to escalation for duration of project

SPECIFIC EXCLUSIONS

1. Mirrors provided by BP-10A Specialties

ALLOWANCES

Not Applicable

UNIT PRICES

Not Applicable

ALTERNATES

Not Applicable

Subcontractor Scope of Work
Exhibit A

Waccamaw K-2 Building Replacement
Job No. 1952

BP 08C – Doors & Hardware

This bid package is intended to be complementary to the Contract Documents including the Project Drawings, Specifications, Addendum, and Project Manual. Subcontractor acknowledges that the Subcontractor Specific Requirements are not intended to describe the complete and final work scope. Reference is made to the Specifications Sections, but is in no way intended to limit or alter the intent of the contract documents.

Subcontractor shall perform all work and shall furnish all layout, supervision, materials, labor, scaffolding, tools, equipment, supplies, services, rigging, craning and hoisting of all materials and equipment, temporary protection of own work, coordination of own work and interaction of work of others, home office and field administration, project management, scheduling, field supervision, engineering, quality control, safety, taxes, insurances, permits, punch list, closeouts and all other things necessary or reasonably incidental for the construction and completion of their work as portrayed in the enclosed enumerated contract documents and specification sections as referenced below:

SUBCONTRACTOR'S WORK SPECIFICALLY INCLUDES:

Bordeaux Bidding Requirements and Information 4/27/2020

Division 01 – General Requirements		
Division 05 – Metal Fabrications		(as it applies to this scope)
Division 07 – Thermal & Moisture Protection		
Section 079200	Joint Sealants	(as it applies to this scope)
Division 08 – Openings		
Section 081113	Hollow Metal Frames	
Section 081416	Flush Wood Doors	
Section 082130	Fiberglass Reinforced Polyester (FRP) Doors	
Section 083113	Aluminum –Framed Entrances & Storefronts	(as it applies to this scope)
Section 087110	Door Hardware	
Division 26 – Electrical		(as it relates to this scope)
Division 28 – Electronic Safety & Security		(as it applies to this scope)

All Related Sections/Requirements referenced within each Division and/or section

SUBCONTRACTOR SPECIFIC REQUIREMENTS:

1. <u>Payment and performance bonds are not required for this bid scope</u>
2. BP-01 General Inclusion Items as applicable to Complete work

3. The on-site foreman or superintendent for this work scope shall have a cellular service enabled iPad with iOS 10.2.1 or later and equipped with a durable LifeProof protective case or equivalent. The iPad shall have the latest version of the Procore Construction Management Software application installed in order to have all live project documents, drawings, submittals, etc. in hand and immediately accessible.
4. Complete installation of work in this bid scope in accordance with all local, state and federal (OSHA) safety regulations and/or requirements
5. Dispose of all trash and waste materials in dumpster provided by Construction Manager
6. Complete installation as outlined in the construction documents and within this scope package to include all insurances and taxes
7. The following is a general outline of the items specifically included, but not limited to, in this bid scope:
    a. Furnish all labor, materials, equipment, anchors, fasteners, caulking, sealants and other accessories as required to make a complete installation of:
        i. All Hollow Metal Doors & Frames
            1. All commercial hollow metal door & window frames (furnish, delivery, unload, protection, and stock only – NO install)
            2. All HM doors, furnished & installed
        ii. All Wood doors, furnished & installed
        iii. All FRP doors, furnished & installed
        iv. All Finish Door Hardware, furnished & installed:
            1. Hinges, push/pulls, locksets, latch sets, cylinders, keys, bolts, closers, door control devices, automatic operators, protection plates, sliders, door bumpers, thresholds, weather stripping, stops, silencers, etc.
            2. Aluminum storefront hardware by others
                a. Provide lockset cylinder cores
            3. Adjustments as required
            4. Any exterior locksets or padlocks required on fencing, PIVs, etc.
            5. All low voltage wiring between power source and hardware
                a. Final operation of doors is the responsibility of this scope
        v. Complete Key Schedule
            1. Subcontractor is responsible for coordination of master keying schedule
            2. Provide keying and spare keys per specification
        vi. Provide all associated Submittals & Shop Drawings
    b. Furnish HM frames to BP-04A Turnkey Mason for all frames in masonry openings and BP-09A Drywall for all frames in metal stud/drywall openings
        i. Frames shall have a "spreader" strap at foot of all frames for installation
        ii. Include cost to unload and store frames on slab on grade or in area as mutually agreed to with Construction Manager
        iii. Provide temporary weatherproof tarp over all HM & SHM frames
        iv. Furnish all necessary clips, anchors and attachments for hollow metal frames
    c. Furnish & Install two (2) temporary doors, frames, & locks for mechanical rooms, electrical rooms, data rooms, sprinkler riser rooms, etc. as directed by Construction Manager

i. Wall partition infill and setting of HM frames provided under BP-01A General Trades
ii. Frames, doors and hardware shall be salvaged for reuse throughout project

d. Provide all door adjustments and shims as required to include, but not limited to:
i. Immediately after initial install
ii. Adjustments as required for CM, Designer & Owner acceptances
iii. 6-month post construction adjustment

e. Include all glazing stops with screws (holes predrilled – no loose stops)
f. All frames to be solid welded with reinforced hinges and corners
g. Fire rating labels are to be die-stamped on fire rated doors and frames as specified
i. Provide letter of certification recording identification numbers to the Construction Manager
ii. Peel off labels and/or physical UL labels will not be permitted

h. Provide primer to interior sections of HM frame jamb, sill and heads
i. Include any corrective/field work as specified to make frames ready to receive grout
j. Coordinate all door undercuts for clearances with floor finishes specified
k. Provide sanding, Bondo work and touch-up of any rusted or damaged frames
l. Furnish construction cores for all removable core locks. At completion of construction, remove construction cores and replace with permanent cores. Furnish keys for construction cores to Construction Manager in quantity as required.
m. Remove all temporary labels and protective coatings as directed by Construction Manager

8. Site Access Requirements

Subcontractor must conduct a 50-state background check and e-verify compliance for all personnel associated with the project

a. Submit completed Exhibit L—Lunsford Act & E-verify documentation to Construction Manager for Owner review and approval in advance of worker arriving on-site; same day approval **cannot** be granted.
b. All personnel, while on-site, must wear a plastic laminated photo identification badge that identifies person's name and employer. Badges are to be computer produced with a font large enough to be clearly visible. The ID badge template will be made available to successful prime contractors. All costs associated with criminal background checks, e-verification and ID Badging are the responsibility of each Subcontractor.
c. This a contractual requirement applicable to all personnel and all lower-tier subcontractors. Delivery drivers may be exempt with prior written approval from Construction Manager; submit request in advance.
d. Construction Manager and Owner reserve their right to deny any individual access to job-site for any reasonable condition

9. Permanent roads will be expedited along with temporary drive and laydown areas shown on Site Logistics Plan
a. Subcontractor shall take special care to stay on temporary drives during inclement weather

10. Subcontractor shall repair all land disturbances caused by equipment under this bid scope regardless of wet/dry conditions to include, but not limited to, repair of rutting, damages to erosion control measures, damage to temporary or permanent roads, curbing, etc.
    a. Restore all disturbed areas to equal or better condition than original
11. Provide all traffic control, flagging, guides, signage, etc. as required for this scope
12. Maintain all roads, streets, parking, on-site and off-site roadways, etc. free and clear of any mud or debris created by this trade and its deliveries; clean-up shall occur immediately
    a. Sufficient personnel & equipment shall be on-site at all times to expedite this work
    b. Spillage of water, materials, etc. in public traffic areas shall be immediately cleaned
13. Inspect all substrates and conditions for suitability to receive work under this scope prior to starting work
    a. Advise Construction Manager immediately in writing of any deficiencies or issue
    b. Commencement of work guarantees acceptance of conditions
14. Daily clean-up of all trash and debris caused by this work
15. Furnish all ladders, lifts, shoring, scaffolding, etc. as required for this work
16. Furnish all supplemental lighting and power as required for this scope
17. Include field measure of all work in this bid scope prior to fabrication
18. Include all necessary mobilizations, multiple crews and equipment, night and weekend shifts as required or directed by Construction Manager to complete the work
19. Protect all work under this scope from damage until accepted by Owner
    a. Protect adjacent surfaces from damage by this scope of work Any damage to adjacent surfaces or work during execution of this scope shall be repaired or replaced by this Subcontractor at no additional cost to Construction Manager
    b. Repairs shall be finished to match existing or adjacent construction
    c. Patch and repair all building finishes, structural components or other appurtenances that are removed or damaged as a result of performance of this scope. Repair work shall include finishes, components, substructure and materials required for the installation of such work in accordance with standard practices and shall be finished to match existing or adjacent conditions.
    d. Protect roadways and parking areas from damage caused by loading, unloading & staging of materials and equipment, hoisting & lifting activities, cranes, etc. All repair costs shall be borne by subcontractor responsible for said damages.
20. Subcontractor is responsible for all corrective repairs resulting from its defective workmanship
21. All corrective and repair work shall be performed within 24-hours after notification and shall be accepted prior to payment issuance to Subcontractor for said work performed
22. OSHA Safety measures shall be required and implemented
    a. Delivery drivers shall wear proper PPE while on site (staging, off-loading, etc.)
23. Project planning, to include, but not limited to
    a. Participation in development of Master Construction Schedule
    b. Submit a Job Hazardous Analysis (JHA) for each definable feature of work in advance of work start
    c. Participation by foreman and all workers in a Preparatory Meeting to review JHA, safety requirements, proposed work, approved submittals and other applicable construction documents prior to starting work

24. Provide all warranties, guarantees, extended service agreements, training, etc. as required
25. Pricing is firm, not subject to escalation for duration of project

SPECIFIC EXCLUSIONS

Not Applicable

ALLOWANCES

Not Applicable

UNIT PRICES

Not Applicable

ALTERNATES

Alternate W-3, Owner Preferred Brand – Schlage locks, if selected by Owner, shall include any specific or special requirements, above and beyond that of the base bid, to support the indicated Preferred Brand:

- **Base Bid:** Provide a complete installation of door locksets, cylinders and keying as required to support the project
- **Alternate:** Provide a complete installation using **Schlage** locksets, cylinders and keying. Installation must fully integrate with Owner's proprietary **Schlage** keyway system.
- If there is no cost difference between Base Bid and Alternate, then Alternate W-3 bid shall be "No Cost"; otherwise, indicate the net cost difference to provide Owner Preferred Brand
- Include all requirements outlined within this bid package

Alternate W-4, Owner Preferred Brand – LCN Door Closers, if selected by Owner, shall include any specific or special requirements, above and beyond that of the base bid, to support the indicated Preferred Brand:

- **Base Bid:** Provide a complete installation of door closers as required to support the project
- **Alternate:** Provide a complete installation using **LCN door closers**
- If there is no cost difference between Base Bid and Alternate, then Alternate W-4 bid shall be "No Cost"; otherwise, indicate the net cost difference to provide Owner Preferred Brand
- Include all requirements outlined within this bid package

Alternate W-5, Owner Preferred Brand – Von Duprin Exit Devices, if selected by Owner, shall include any specific or special requirements, above and beyond that of the base bid, to support the indicated Preferred Brand:

- **Base Bid:** Provide a complete installation of door exit devices as required to support the project
- **Alternate:** Provide a complete installation using **Von Duprin exit devices**

- If there is no cost difference between Base Bid and Alternate, then Alternate W-5 bid shall be “No Cost”; otherwise, indicate the net cost difference to provide Owner Preferred Brand
- Include all requirements outlined within this bid package

Alternate W-6, Owner Preferred Brand – Open Options Software Integration, if selected by Owner, shall include any specific or special requirements, above and beyond that of the base bid, to support the indicated Preferred Brand:

- **Base Bid:** Provide a complete card access control system installation as required to support the project
- **Alternate:** Provide a complete card access control installation using **Open Options Software** devices and electronic locks as required to support the project. Installation must fully integrate with Owner’s existing **Open Options Software** access control system.
- If there is no cost difference between Base Bid and Alternate, then Alternate W-6 bid shall be “No Cost”; otherwise, indicate the net cost difference to provide Owner Preferred Brand
- Include all requirements outlined within this bid package

Subcontractor Scope of Work
Exhibit A

Waccamaw K-2 Building Replacement
Job No. 1952

BP 09A - Drywall

This bid package is intended to be complementary to the Contract Documents including the Project Drawings, Specifications, Addendum, and Project Manual. Subcontractor acknowledges that the Subcontractor Specific Requirements are not intended to describe the complete and final work scope. Reference is made to the Specifications Sections, but is in no way intended to limit or alter the intent of the contract documents.

Subcontractor shall perform all work and shall furnish all layout, supervision, materials, labor, scaffolding, tools, equipment, supplies, services, rigging, craning and hoisting of all materials and equipment, temporary protection of own work, coordination of own work and interaction of work of others, home office and field administration, project management, scheduling, field supervision, engineering, quality control, safety, taxes, insurances, permits, punch list, closeouts and all other things necessary or reasonably incidental for the construction and completion of their work as portrayed in the enclosed enumerated contract documents and specification sections as referenced below:

SUBCONTRACTOR'S WORK SPECIFICALLY INCLUDES:

Bordeaux Bidding Requirements and Information 4/27/2020

Division 01 – General Requirements
Division 04 – Masonry

Section 042613	Masonry Veneer	(as it applies to this scope)

Division 05 – Metals

Section 054000	Cold-Formed Metal Framing	
Section 057500	Custom Metal Canopy	(as it applies to this scope)

Division 06 – Wood, Plastics & Composites

Section 061000	Rough Carpentry	(as it applies to this scope)
Section 061600	Sheathing	

Division 07 – Thermal & Moisture Protection

Section 072100	Thermal Insulation	(as it applies to this scope)
Section 078413	Penetration Firestopping	
Section 078446	Fire-Resistive Joint System	
Section 079200	Joint Sealants	(as it applies to this scope)

Division 08 – Openings

Section 081113	Hollow Metal Frames	(as it applies to this scope)
Section 082130	FRP Doors	(as it applies to this scope)
Section 083113	Access Doors & Frames	(as it applies to this scope)

Division 09 – Finishes

Section 092216	Non-Structural Metal Framing	
Section 092900	Gypsum Board	
Section 093000	Tiling	(as it applies to this scope)
Section 099100	Painting	(as it applies to this scope)

All Related Sections/Requirements referenced within each Division and/or section

SUBCONTRACTOR SPECIFIC REQUIREMENTS:

1. Payment and performance bond are required for this bid scope. Cost of payment and performance bonds are included in the base bid price.
2. BP-01 General Inclusion Items as applicable to complete Work
3. The on-site foreman or superintendent for this work scope shall have a cellular service enabled iPad with iOS 10.2.1 or later and equipped with a durable LifeProof protective case or equivalent. The iPad shall have the latest version of the Procore Construction Management Software application installed in order to have all live project documents, drawings, submittals, etc. in hand and immediately accessible.
4. This project will utilize Building Information Modeling to facilitate the preparation of coordinated shop drawings. Participation in the BIM model is a requirement of this bid package. Reference Bid Package BP-01 General Inclusions of the bid manual and Exhibit M for detailed BIM requirements for this project
5. Complete installation of work in this bid scope in accordance with all local, state and federal (OSHA) safety regulations and/or requirements
6. Complete installation as outlined in the Construction Documents and within this scope package to include all insurances and taxes
7. Dispose of all trash and waste materials in dumpster provided by Construction Manager
8. The following is a general outline of the items specifically included, but not limited to, in this bid scope:

    a. Furnish all labor, material, equipment, accessories, etc. to make a complete installation of:
        i. All structural and non-structural light gauge framing
            1. Include shear wall construction
            2. Include specialty anchors, epoxy anchors
        ii. All GWB assemblies (ceilings, partitions, headers, bulkheads & soffits)
        iii. All UL-rated GWB assemblies
        iv. All insulation (batt & acoustic insulation) for GWB Assemblies
        v. All mineral wool insulations
        vi. All tile backer board for ceramic wall tile installed on metal framing
        vii. All GWB accessories as required
        viii. All sheathing as required
        ix. All hoisting, welding, lifts, cranes or any other equipment for installation
        x. All plywood attached direct to metal framing
        xi. Furnish **minimum XP grade** GWB
        xii. All required abuse/impact-resistant GWB
        xiii. Provide Level 4 finish (minimum)

xiv. All interior ceiling and wall expansion joints as required
xv. All exterior GWB soffits
xvi. All light-gauge metal framing associated with custom metal canopies
xvii. All exterior metal soffit and trim associated with custom metal canopies
1. **Fascia panels, coping, metal trim, etc. installed by BP-07C Roofing**

b. Include **delegated-design** as required for Cold Formed Structural Framing
   i. Include all associated cost to provide design, submittals, engineered sealed drawings, etc.
   ii. Drawings to be signed and sealed by a Professional Engineer licensed in North Carolina
c. Install hollow metal frames in GWB openings
   i. HM frames provided under BP-08C to central point
   ii. Include cost to transport frame from central location to opening
d. Install access doors furnished by others for integration in GWB assemblies
   i. Coordinate all Mechanical, Electrical, Plumbing, Sprinkler, etc. access requirements with respective trades
   ii. Provide rough-in and installation of access door in this bid scope
e. Install all **brick-ties** as required
   i. Material furnished by BP-04A
   ii. Coordinate layout and pattern as required
f. Coordinate all wall penetrations, blockouts, framed openings, etc. as required with other trades
g. Include all sheathing and joint penetration treatment on all exterior GWB sheathing
h. Include all light gauge framing, GWB and sealants at all CMU top-of-wall conditions
i. Include all light gauge bracing of CMU interior walls
j. Include backer rod and sealants at all GWB top-of-wall conditions
k. Include control joints in GWB walls and ceilings in accordance with ASTM C840
   i. Submit shop drawing of control joint layout
l. All GWB walls shall be finished, pointed up, and ready for paint
   i. After point up is completed, notify Construction Manager of suitability to proceed with 1st coat of paint
   ii. After 1st coat of paint and after permanent lights, Construction Manager will punch list GWB walls prior to final paint
   iii. A separate point up crew shall be provided if GWB work is ongoing to allow point up to proceed without impacting drywall progress
m. Include all associated cost to participate in mock-ups as required to demonstrate aesthetic effects and set quality standards for materials and execution
   i. Mock-ups to be of sufficient size to demonstrate joints, surface color, pattern, texture, standard of workmanship, etc.
n. Furnish all labor, material, equipment, accessories, etc. to make a complete installation of all **Firestopping:**
   i. All through-penetration firestopping
   ii. Top of wall firestopping
   iii. Wall to wall fire resistive joint systems
   iv. Smoke sealant of all penetrations and top of wall conditions

v. Rated wall identification
vi. Through-penetration firestop identification
vii. Prepare all surfaces in accordance with manufacturer's written instructions to include cleaning, brushing, primers, taping, etc.
viii. All project firestopping requirements including MEP, fire sprinkler, top of wall conditions and fire resistive joint conditions are provided under this bid scope
ix. Firestopping of any spare conduits is included in this bid package
x. Provide field installer certifications documentation to Construction Manager

o. Furnish all labor, material, equipment, accessories, etc. to make a complete installation of the **Fluid-Applied Air Barrier** System:
   i. Prepare, clean, treat, etc. substrate in accordance with manufacturer's written instructions
      1. Include cleaning of masonry mortar off of "eyes" of masonry horizontal reinforcing prior to air barrier installation
      2. Include all sheathing joint preparation, tape and sealing
   ii. Furnish & install connections and transition membranes to prevent air leakage in the building envelope as required
      1. Include Peel & Stick flashing at all wall openings & penetrations
      2. Wrap all wall openings completely (jambs, sills & heads), full depth
   iii. Properly dispose of all chemicals, empty containers & packaging, product residues, etc. off-site as part of this scope. Said waste material shall not to be disposed of in general construction debris dumpster

p. Include stated allowances outlined within this bid package

9. Allowances

Use of any allowance shall be as directed by Construction Manager and supported with sufficient documentation as required. Any work performed without prior written authorization will be considered as a requirement to complete the scope of work in this bid package and at no cost to the project:

a. Include an **Allowance** for **additional drywall patch and repairs after painting** as directed by Construction Manager, and shall be based upon indicated Quantities and Unit Prices:
   i. Additional drywall patch and repair is defined as repairs required in addition to those specified within the bid package
   ii. Include all requirements outlined within this bid package
   iii. Include 25 hours for said work

b. Include as **Allowances** for designated scope and quantity, installed as directed by Construction Manager, and shall be based upon indicated Quantities and Unit Prices:
   i. Furnish & install 24"x24" flush access door and frames; **quantity of Five (5)**
   ii. Include all requirements outlined within this bid package

10. Site Access Requirements

Subcontractor must conduct a 50-state background check and e-verify compliance for all personnel associated with the project

a. Submit completed Exhibit L—Lunsford Act & E-verify documentation to Construction Manager for Owner review and approval in advance of worker arriving on-site; same day approval **cannot** be granted.
b. All personnel, while on-site, must wear a plastic laminated photo identification badge that identifies person's name and employer. Badges are to be computer produced with a font large enough to be clearly visible. The ID badge template will be made available to successful prime contractors. All costs associated with criminal background checks, e-verification and ID Badging are the responsibility of each Subcontractor.
c. This a contractual requirement applicable to all personnel and all lower-tier subcontractors. Delivery drivers may be exempt with prior written approval from Construction Manager; submit request in advance.
d. Construction Manager and Owner reserve their right to deny any individual access to job-site for any reasonable condition

11. Forklifts will not be allowed on finished slab on grade areas:
    a. Feed materials from the exterior
    b. Utilize pallet jacks to feed materials on finished slab areas where feeding from exterior is not feasible
    c. Scissor lifts and other non-marking equipment may be allowed upon review of Subcontractor's erection plan with Construction Manager and receipt of written authorization thereof
12. Special Inspections are required on this project
    a. Refer to Specifications and Drawings for schedule of special inspection as well as any other applicable specifications sections
    b. Coordinate with special inspector, testing agencies, local inspectors and/or Engineer of Record as may be required
    c. Subcontractor shall be responsible for all costs (re-testing, corrective measures, repairs, etc.) at no additional cost to the project when its installation fails to meet compliance
    d. Owner and Construction Manager reserve the right to request additional testing in the event of significant or continual test failures
    e. Coordinate with Construction Manager for scheduling of inspections
13. Provide all traffic control, flagging, guides, signage, etc. as required for this scope
14. Subcontractor shall repair all land disturbances caused by equipment under this bid scope regardless of wet/dry conditions to include, but not limited to, repair of rutting, damages to erosion control measures, damage to temporary or permanent roads, curbing, etc.
    a. Restore all disturbed areas to equal or better condition than original
15. Maintain all roads, streets, parking, on-site and off-site roadways, etc. free and clear of any mud or debris created by this trade and its deliveries; clean-up shall occur immediately
    b. Sufficient personnel & equipment shall be on-site at all times to expedite this work
    c. Spillage of water, materials, etc. in public traffic areas shall be immediately cleaned
16. Inspect all substrates and conditions for suitability to receive work under this scope prior to starting work
    a. Advise Construction Manager immediately in writing of any deficiencies or issues
    b. Commencement of work guarantees acceptance of conditions

17. Daily cleanup of debris caused by this work
18. Furnish all ladders, lifts, shoring, scaffolding, etc. as required for this work
19. Furnish all supplemental lighting and power as required for this scope
20. Include field measure of all work in this bid scope prior to fabrication
21. Include all necessary mobilizations, multiple crews and equipment, night and weekend shifts as required or directed by Construction Manager to complete the work
22. Protect all work under this scope from damage until accepted by Owner
23. Protect adjacent surfaces from damage by this scope of work
    a. Any damage to adjacent surfaces or work during execution of this scope shall be repaired or replaced by this Subcontractor at no additional cost to Construction Manager
    b. Repairs shall be finished to match existing or adjacent construction
    c. Patch and repair all building finishes, structural components or other appurtenances that are removed or damaged as a result of performance of this scope. Repair work shall include finishes, components, substructure and materials required for the installation of such work in accordance with standard practices and shall be finished to match existing or adjacent conditions.
    d. Protect roadways and parking areas from damage caused by loading, unloading & staging of materials and equipment, hoisting & lifting activities, cranes, etc. All repair costs shall be borne by subcontractor responsible for said damages.
24. Subcontractor is responsible for all corrective repairs resulting from its defective workmanship
25. All corrective and repair work shall be performed within 24-hours after notification and shall be accepted prior to payment issuance to Subcontractor for said work performed
26. OSHA Safety measures shall be required and implemented
27. Provide all warranties, guarantees, service agreements, O&M, training, etc. as required
28. Provide all extra materials as required
29. Pricing firm, not subject to escalation for duration of project

SPECIFIC EXCLUSIONS

1. Interior Wood blocking; coordinate installation with BP-01A General Trades
2. Acoustical sealants installed under BP-07D Caulking & Sealants
3. Thru Wall window and door flashings or masonry wall flashings are not included

ALLOWANCES

#1	Drywall patch & repair	**25 hours**
#2	Access Doors, 24” x 24”	**5 each**

UNIT PRICES

UP-01	Drywall patch & repair	**$ / Hour**
UP-02	Access Doors, 24” x 24”	**$ / Each**

ALTERNATES

Alternate W-2, Pre-engineered Metal Canopies, if selected by Owner, shall include any specific or special requirements, above and beyond that of the base bid, to support the indicated Alternate scope:

- **Base Bid:** Provide a complete installation of the structural framed, metal deck and membrane roof canopies (Main Bus Students & East Canopies) as required to support the project
- **Alternate:** Provide a complete installation of pre-engineered metal canopies (Main Bus Student & East canopies) as indicated in lieu of base bid structural-framed canopies:
    - **BP-09A:**
        - Delete light gauge metal framing and metal soffit, trim and furring channel
- If there is no cost difference between Base Bid and Alternate, then Alternate W-2 bid shall be "No Cost"; otherwise, indicate the net cost difference to provide Alternate scope
- Include all requirements outlined within this bid package

Subcontractor Scope of Work
Exhibit A

Waccamaw K-2 Building Replacement
Job No. 1952

BP 09B - Hard Tile

This bid package is intended to be complementary to the Contract Documents including the Project Drawings, Specifications, Addendum, and Project Manual. Subcontractor acknowledges that the Subcontractor Specific Requirements are not intended to describe the complete and final work scope. Reference is made to the Specifications Sections, but is in no way intended to limit or alter the intent of the contract documents.

Subcontractor shall perform all work and shall furnish all layout, supervision, materials, labor, scaffolding, tools, equipment, supplies, services, rigging, craning and hoisting of all materials and equipment, temporary protection of own work, coordination of own work and interaction of work of others, home office and field administration, project management, scheduling, field supervision, engineering, quality control, safety, taxes, insurances, permits, punch list, closeouts and all other things necessary or reasonably incidental for the construction and completion of their work as portrayed in the enclosed enumerated contract documents and specification sections as referenced below:

SUBCONTRACTOR'S WORK SPECIFICALLY INCLUDES:

Bordeaux Bidding Requirements and Information 4/27/2020
Division 01 – General Requirements
Division 09 – Finishes
Section 093000 Tiling
All Related Sections/Requirements referenced within each Division and/or section

SUBCONTRACTOR SPECIFIC REQUIREMENTS:

1. BP-01 General Inclusion Items as applicable to complete Work
2. Complete installation of work in this bid scope in accordance with all local, state and federal (OSHA) safety regulations and/or requirements.
3. Complete installation as outlined in the Construction Documents and within this scope package
4. Dispose of all trash and waste materials in dumpster provided by Construction Manager.
5. The following is a general outline of the items specifically included, but not limited to, in this bid scope:
    a. Furnish all labor, material, equipment, accessories, etc. to make a complete installation of all Hard Tile:
        i. Tile floors, base and walls
        ii. Marble/stone thresholds
        iii. Metal reducer strips and nosings
        iv. Crack isolation membrane

v. Waterproofing membrane
vi. Elastomeric sealants

b. Include color selection for tiling from manufacturer's full line of colors as specified, no upcharge for colors will be accepted
c. Include grout sealer on all cementitious grout as specified
d. Grout to be epoxy grout as specified, unless noted otherwise
e. Prepare and clean substrates to include all floor patching, repair, leveling, grinding, crack control (membrane, crack suppression, control joints), etc. as required to receive new materials
    i. Substrate preparation shall include surface abrasion as required to remove existing finish, adhesives, high spots, etc.
        1. Notify Construction Manager prior to proceeding with any additional scope work
    ii. Substrate preparation shall be sufficient to prohibit the transmission of any defects or deficiencies
    iii. Corrective action required to mitigate said defects or deficiencies shall be borne by this Subcontractor at no additional cost to the project
    iv. Prepare floors in accordance with specification and manufacturer's recommendations
f. Include cleaning of tile work prior to installing protection board
g. Include final cleaning of tilework prior to Owner acceptance
h. Furnish & install protection of all finished tile flooring installed under this bid scope:
    i. Install floor protection as installation completes; joints in floor protection are to be taped 100%
    ii. Floor protection to be Ram Board or equivalent and shall remain in place until substantial completion
    iii. Maintenance of protection board and its removal prior to cleaning is included in this scope

6. Site Access Requirements

Subcontractor must conduct a 50-state background check and e-verify compliance for all personnel associated with the project

a. Submit completed Exhibit L—Lunsford Act & E-verify documentation to Construction Manager for Owner review and approval in advance of worker arriving on-site; same day approval **cannot** be granted.
b. All personnel, while on-site, must wear a plastic laminated photo identification badge that identifies person's name and employer. Badges are to be computer produced with a font large enough to be clearly visible. The ID badge template will be made available to successful prime contractors. All costs associated with criminal background checks, e-verification and ID Badging are the responsibility of each Subcontractor.
c. This a contractual requirement applicable to all personnel and all lower-tier subcontractors. Delivery drivers may be exempt with prior written approval from Construction Manager; submit request in advance.
d. Construction Manager and Owner reserve their right to deny any individual access to job-site for any reasonable condition

7. Inspect all substrates and conditions for suitability to receive work under this scope prior to starting work
    a. Advise Construction Manager immediately in writing of any deficiencies or issues
    b. Commencement of work guarantees acceptance of conditions
8. Daily cleanup of debris caused by this work
9. Furnish all ladders, lifts, shoring, scaffolding, etc. as required for this work
10. Furnish all supplemental lighting and power as required for this scope
11. Include field measure of all work in this bid scope prior to fabrication
12. Include all necessary mobilizations, multiple crews and equipment, night and weekend shifts as required or directed by Construction Manager to complete the work
13. Protect all work under this scope from damage until accepted by Owner
14. Protect adjacent surfaces from damage by this scope of work
    a. Any damage to adjacent surfaces or work during execution of this scope shall be repaired or replaced by this Subcontractor at no additional cost to Construction Manager
    b. Repairs shall be finished to match existing or adjacent construction
    c. Patch and repair all building finishes, structural components or other appurtenances that are removed or damaged as a result of performance of this scope. Repair work shall include finishes, components, substructure and materials required for the installation of such work in accordance with standard practices and shall be finished to match existing or adjacent conditions.
    d. Protect roadways and parking areas from damage caused by loading, unloading & staging of materials and equipment, hoisting & lifting activities, cranes, etc. All repair costs shall be borne by subcontractor responsible for said damages.
15. Subcontractor is responsible for all corrective repairs resulting from its defective workmanship
16. All corrective and repair work shall be performed within 24-hours after notification and shall be accepted prior to payment issuance to Subcontractor for said work performed
17. OSHA Safety measures shall be required and implemented
18. Provide all warranties, guarantees, service agreements, O&M, training, etc. as required
19. Provide all extra materials as required
20. Pricing firm, not subject to escalation for duration of project

SPECIFIC EXCLUSIONS

1. Cement backer board installed by BP-09A Drywall

ALLOWANCES

Not Applicable

UNIT PRICES

Not Applicable

ALTERNATES

Not Applicable

Subcontractor Scope of Work
Exhibit A

Waccamaw K-2 Building Replacement
Job No. 1952

BP 09C - Acoustical Ceilings

This bid package is intended to be complementary to the Contract Documents including the Project Drawings, Specifications, Addendum, and Project Manual. Subcontractor acknowledges that the Subcontractor Specific Requirements are not intended to describe the complete and final work scope. Reference is made to the Specifications Sections, but is in no way intended to limit or alter the intent of the contract documents.

Subcontractor shall perform all work and shall furnish all layout, supervision, materials, labor, scaffolding, tools, equipment, supplies, services, rigging, craning and hoisting of all materials and equipment, temporary protection of own work, coordination of own work and interaction of work of others, home office and field administration, project management, scheduling, field supervision, engineering, quality control, safety, taxes, insurances, permits, punch list, closeouts and all other things necessary or reasonably incidental for the construction and completion of their work as portrayed in the enclosed enumerated contract documents and specification sections as referenced below:

SUBCONTRACTOR'S WORK SPECIFICALLY INCLUDES:

Bordeaux Bidding Requirements and Information 4/27/2020

Division 01 – General Requirements
Division 07 – Thermal & Moisture Protection
Section 07920 Joints and Sealants (as it applies to this scope)
Division 09 – Finishes
Section 095113 Acoustical Panel Ceilings

All Related Sections/Requirements referenced within each Division and/or section

SUBCONTRACTOR SPECIFIC REQUIREMENTS:

1. BP-01 General Inclusion Items as applicable to complete Work
2. Complete installation of work in this bid scope in accordance with all local, state and federal (OSHA) safety regulations and/or requirements
3. Dispose of all trash and waste materials in dumpster provided by Construction Manager
4. Complete installation of Acoustical Ceiling Systems as outlined in the Construction Documents and within this scope package
5. The following is a general outline of the items specifically included, but not limited to, in this bid scope:
    a. Furnish all labor, material, equipment, accessories, etc. to make a complete installation of acoustical ceiling systems to include, but not limited to, acoustical tiles,

suspension grid, hanger wires, edge molding, clips, anchors, fasteners, caulking, sealants (acoustical & security), and other accessories as required

i. Do not install small cut tile pieces (less than half of the width of the tile)
    1. Replacement of such pieces as deemed necessary by Construction Manager, Owner or Architect shall be borne by this Subcontractor
ii. Include reflective ceiling expansion joints as required
iii. Wires to be supported only from structure
    1. Do not attach wires to supports intended for equipment (duct, pipe, grilles, etc.) or light fixtures
iv. Additional wire supports to grid only for light fixtures, grilles, dampers, etc. as required to meet code
    1. Wires to be supported from structure only
    2. Do not support ceiling grid from bridging or deck without written approval from Construction Manager
v. Caulk moldings & trim along walls as required or where gaps exceed ¼"
vi. Ceiling tiles shall have continuous internal finish or painted exposed edges/cuts
vii. Touch-up suspension grid and trim where cuts are exposed; color to match
viii. Include hold down clips as required
ix. Coordinate with other trades for location of hangers, wires, sprinklers, lights, grilles, reveals, splices, mains and finish trim
x. Install acoustical sealants as required
xi. Include all delegated-design requirements
xii. Include all seismic control requirements

b. Allowances

i. Include all stated allowances within this bid scope
ii. Use of any allowance shall be as directed by Construction Manager and supported with sufficient documentation as required. Any work performed without prior written authorization will be considered as a requirement to complete the scope of work in this bid package and at no cost to the project
iii. Include an **Allowance** for miscellaneous acoustical ceiling rework as directed by Construction Manager and based upon indicated Quantities and Unit Prices:
    1. Include 25 man-hours for labor to rework ceilings
    2. Include all requirements outlined within this bid package

6. Site Access Requirements

Subcontractor must conduct a 50-state background check and e-verify compliance for all personnel associated with the project

a. Submit completed Exhibit L—Lunsford Act & E-verify documentation to Construction Manager for Owner review and approval in advance of worker arriving on-site; same day approval **cannot** be granted.
b. All personnel, while on-site, must wear a plastic laminated photo identification badge that identifies person's name and employer. Badges are to be computer produced with a font large enough to be clearly visible. The ID badge template will be made available to successful prime contractors. All costs associated with criminal

background checks, e-verification and ID Badging are the responsibility of each Subcontractor.

c. This a contractual requirement applicable to all personnel and all lower-tier subcontractors. Delivery drivers may be exempt with prior written approval from Construction Manager; submit request in advance.

d. Construction Manager and Owner reserve their right to deny any individual access to job-site for any reasonable condition

7. Inspect all substrates and conditions for suitability to receive work under this scope prior to starting work
    a. Advise Construction Manager immediately in writing of any deficiencies or issues
    b. Commencement of work guarantees acceptance of conditions
8. Daily cleanup of debris caused by this work
9. Furnish all ladders, lifts, shoring, scaffolding, etc. as required for this work
10. Furnish all supplemental lighting and power as required for this scope
11. Include field measure of all work in this bid scope prior to fabrication
12. Include all necessary mobilizations, multiple crews and equipment, night and weekend shifts as required or directed by Construction Manager to complete the work
13. Protect all work under this scope from damage until accepted by Owner
14. Protect adjacent surfaces from damage by this scope of work
    a. Any damage to adjacent surfaces or work during execution of this scope shall be repaired or replaced by this Subcontractor at no additional cost to Construction Manager
    b. Repairs shall be finished to match existing or adjacent construction
    c. Patch and repair all building finishes, structural components or other appurtenances that are removed or damaged as a result of performance of this scope. Repair work shall include finishes, components, substructure and materials required for the installation of such work in accordance with standard practices and shall be finished to match existing or adjacent conditions.
15. All corrective and repair work shall be performed within 24-hours after notification and shall be accepted prior to payment issuance to Subcontractor for said work performed
16. OSHA Safety measures shall be required and implemented
17. Provide all warranties, guarantees, service agreements, O&M, training, etc. as required
18. Provide all extra materials as required
19. Pricing firm, not subject to escalation for duration of project

SPECIFIC EXCLUSIONS

1. In-wall wood blocking installed by BP-01A General Trades

ALLOWANCES

#1	Additional labor	**25 hours**

Unit Prices:

UP-01	Labor rate	**$ / hour**

Alternates:

Not Applicable

Subcontractor Scope of Work
Exhibit A

Waccamaw K-2 Building Replacement
Job No. 1952

BP 09D – Resilient Flooring

This bid package is intended to be complementary to the Contract Documents including the Project Drawings, Specifications, Addendum, and Project Manual. Subcontractor acknowledges that the Subcontractor Specific Requirements are not intended to describe the complete and final work scope. Reference is made to the Specifications Sections, but is in no way intended to limit or alter the intent of the contract documents.

Subcontractor shall perform all work and shall furnish all layout, supervision, materials, labor, scaffolding, tools, equipment, supplies, services, rigging, craning and hoisting of all materials and equipment, temporary protection of own work, coordination of own work and interaction of work of others, home office and field administration, project management, scheduling, field supervision, engineering, quality control, safety, taxes, insurances, permits, punch list, closeouts and all other things necessary or reasonably incidental for the construction and completion of their work as portrayed in the enclosed enumerated contract documents and specification sections as referenced below:

SUBCONTRACTOR'S WORK SPECIFICALLY INCLUDES:

Bordeaux Bidding Requirements and Information 4/27/2020

Division 01 – General Requirements
Division 07 – Thermal & Moisture Protection (as it applies to this scope)
Division 09 – Finishes
- Section 096513 Resilient Base and Accessories
- Section 096519 Resilient Plank Flooring

All Related Sections/Requirements referenced within each Division and/or section

SUBCONTRACTOR SPECIFIC REQUIREMENTS:

1. BP-01 General Inclusion Items as applicable to complete Work
2. Complete installation of work in this bid scope in accordance with all local, state and federal (OSHA) safety regulations and/or requirements
3. Complete installation as outlined in the Construction Documents and within this scope package
4. Dispose of all trash and waste materials in dumpster provided by Construction Manager.
5. The following is a general outline of the items specifically included, but not limited to, in this bid scope:
    a. Furnish all labor, material, equipment, accessories, etc. to make a complete installation of:

i. All resilient flooring (VCT & LVT)
ii. All resilient base
iii. All accessories, transition strips, etc
iv. All submittals and shop drawings
    1. Provide shop drawings for tile pattern layout
    2. Include select colors from manufacturer's full line of colors as specified, no upcharge will be accepted

b. Provide adhesives which accommodate high internal relative humidity (<95% RH), moisture evaporation rate (<3psf) and/or alkalinity of the substrate as recommended by manufacturer
c. All adhesives shall be No/Low VOC unless otherwise required
d. Resilient base shall be furnished in rolls
e. Do not install small cut-tile pieces or short base pieces
    i. Replacement of such pieces as deemed necessary by Construction Manager, Owner or Architect shall be borne by this Subcontractor
f. Prepare and clean substrates to include all floor patching, repair, leveling, crack control (membrane, crack suppression, control joints), etc. as required to receive new flooring materials
    i. Substrate preparation shall include surface abrasion as required to remove existing finish, adhesives, high spots, etc.
        1. Notify Construction Manager prior to proceeding with any additional scope work
    ii. Substrate preparation shall be sufficient to prohibit the transmission of any defects or deficiencies
    iii. Corrective action required to mitigate said defects or deficiencies shall be borne by this Subcontractor at no additional cost to the project
g. Perform and document to Construction Manager alkalinity, adhesion and moisture testing as required in accordance with manufacturer's written recommendations and instructions:
    i. Subcontractor to install moisture reading points in accordance with ASTM F 2170-11
    ii. Perform one (1) test for every 200 sf of flooring installed or sufficient quantity to verify suitability to proceed with flooring
        1. Perform tests so that each test area does not exceed 200 SF
        2. Minimum two (2) tests per installation area, evenly representative
        3. Submit test results along with any trending information to Construction Manager prior to proceeding with flooring installation
    iii. Anhydrous Calcium Chloride tests will not be accepted; use in-situ probe tests only
h. Furnish & install protection of all flooring installed under this bid scope
    i. Tape all seams in floor protection, coordinate installation with Construction Manager
    ii. Floor protection to be Ram Board or equivalent and to remain in place until substantial completion
    iii. Floor protection to be removed under BP-01B Final Cleaning

i. Perform initial cleaning to remove adhesives and other blemishes from surfaces

6. Site Access Requirements

Subcontractor must conduct a 50-state background check and e-verify compliance for all personnel associated with the project

a. Submit completed Exhibit L—Lunsford Act & E-verify documentation to Construction Manager for Owner review and approval in advance of worker arriving on-site; same day approval **cannot** be granted.
b. All personnel, while on-site, must wear a plastic laminated photo identification badge that identifies person's name and employer. Badges are to be computer produced with a font large enough to be clearly visible. The ID badge template will be made available to successful prime contractors. All costs associated with criminal background checks, e-verification and ID Badging are the responsibility of each Subcontractor.
c. This a contractual requirement applicable to all personnel and all lower-tier subcontractors. Delivery drivers may be exempt with prior written approval from Construction Manager; submit request in advance.
d. Construction Manager and Owner reserve their right to deny any individual access to job-site for any reasonable condition

7. Inspect all substrates and conditions for suitability to receive work under this scope prior to starting work
    a. Advise Construction Manager immediately in writing of any deficiencies or issues
    b. Commencement of work guarantees acceptance of conditions
8. Daily cleanup of debris caused by this work
9. Furnish all ladders, lifts, shoring, scaffolding, etc. as required for this work
10. Furnish all supplemental lighting and power as required for this scope
11. Include field measure of all work in this bid scope prior to fabrication
12. Include all necessary mobilizations, multiple crews and equipment, night and weekend shifts as required or directed by Construction Manager to complete the work
13. Protect all work under this scope from damage until accepted by Owner
14. Protect adjacent surfaces from damage by this scope of work
    a. Any damage to adjacent surfaces or work during execution of this scope shall be repaired or replaced by this Subcontractor at no additional cost to Construction Manager
    b. Repairs shall be finished to match existing or adjacent construction
    c. Patch and repair all building finishes, structural components or other appurtenances that are removed or damaged as a result of performance of this scope. Repair work shall include finishes, components, substructure and materials required for the installation of such work in accordance with standard practices and shall be finished to match existing or adjacent conditions.
    d. Protect roadways and parking areas from damage caused by loading, unloading & staging of materials and equipment, hoisting & lifting activities, cranes, etc. All repair costs shall be borne by subcontractor responsible for said damages.
15. Subcontractor is responsible for all corrective repairs resulting from its defective workmanship

16. All corrective and repair work shall be performed within 24-hours after notification and shall be accepted prior to payment issuance to Subcontractor for said work performed
17. OSHA Safety measures shall be required and implemented
18. Provide all warranties, guarantees, service agreements, O&M, training, etc. as required
19. Provide all extra materials as required
20. Pricing firm, not subject to escalation for duration of project

SPECIFIC EXCLUSIONS

1. Floor polishing and waxing provided by BP-01B Final Cleaning

ALLOWANCES

Not Applicable

UNIT PRICES

Not Applicable

ALTERNATES

Not Applicable

Subcontractor Scope of Work
Exhibit A

Waccamaw K-2 Building Replacement
Job No. 1952

BP 09G - Painting

This bid package is intended to be complementary to the Contract Documents including the Project Drawings, Specifications, Addendum, and Project Manual. Subcontractor acknowledges that the Subcontractor Specific Requirements are not intended to describe the complete and final work scope. Reference is made to the Specifications Sections, but is in no way intended to limit or alter the intent of the contract documents.

Subcontractor shall perform all work and shall furnish all layout, supervision, materials, labor, scaffolding, tools, equipment, supplies, services, rigging, craning and hoisting of all materials and equipment, temporary protection of own work, coordination of own work and interaction of work of others, home office and field administration, project management, scheduling, field supervision, engineering, quality control, safety, taxes, insurances, permits, punch list, closeouts and all other things necessary or reasonably incidental for the construction and completion of their work as portrayed in the enclosed enumerated contract documents and specification sections as referenced below:

SUBCONTRACTOR'S WORK SPECIFICALLY INCLUDES:

Bordeaux Bidding Requirements and Information 4/27/2020

Division 01 – General Requirements		
Division 05 – Metals		(as it applies to this scope)
Division 07 – Thermal and Moisture Protection		
Section 079200	Joint Sealants	(as it applies to this scope)
Division 08 – Openings		(as it applies to this scope)
Division 09 – Finishes		
Section 092900	Gypsum Board	(as it applies to this scope)
Section 099100	Interior Painting	
Section 099600	High-Performance Coatings	
Divisions 21 – 28		(as it relates to this scope)
Fire Suppression, Plumbing, Mechanical, Electrical, Communications and Electronic Safety & Security		

All Related Sections/Requirements referenced within each Division and/or section

SUBCONTRACTOR SPECIFIC REQUIREMENTS:

1. BP-01 General Inclusion Items as applicable to complete Work
2. The on-site foreman or superintendent for this work scope shall have a cellular service enabled iPad with iOS 10.2.1 or later and equipped with a durable LifeProof protective case

or equivalent. The iPad shall have the latest version of the Procore Construction Management Software application installed in order to have all live project documents, drawings, submittals, etc. in hand and immediately accessible.

3. Complete installation of work in this bid scope in accordance with all local, state and federal (OSHA) safety regulations and/or requirements
4. Dispose of all trash and waste materials in dumpster provided by Construction Manager
5. Complete Painting installation as outlined in the construction documents and within this scope package
6. The following is a general outline of the items specifically included, but not limited to, in this bid scope:
    a. Furnish all labor, material, equipment, accessories, etc. to make a complete installation of all interior and exterior painting and coatings:
        i. Include all GWB assemblies, concrete/masonry to receive paint, HM door frames, exposed MEP piping and duct, stairs, handrails, bollards, ladders, lintels, misc. steel, hard ceilings, interior and exterior metals, etc.
        ii. Painting of all interior ferrous metals shall be 3-coat catalyzed epoxy unless otherwise noted or called to remain unfinished; DTM paint shall not be used
        iii. Include field painting downspout boots to match downspout color as required
        iv. Include dryfall paint system as required
        v. Coordinate primer for compatibility with hot dip galvanized coating
        vi. Include all surface preparation in accordance with specifications and manufacturer's recommendations
        vii. Follow all product data and manufacturer's instructions
        viii. Provide complete range of colors
        ix. Include painting of all exposed bare and covered pipes, ducts, hangers, exposed steel, metal deck, etc. unless specifically noted otherwise
            1. Paint duct an accent color as specified
            2. Include painting identification (color coding) of all bare and insulated piping as specified
        x. Include painting all exposed gas piping, whether indicated or not
        xi. Include all accent walls, striping and multiple paint colors
        xii. Include all blockfill on masonry walls to receive painted finish
            1. Provide blockfill application to sufficiently blend repairs with adjacent surfaces at all CMU patch locations; blockfill must be back-rolled to ensure filling of voids
        xiii. Include stenciling and labeling of all fire-rated walls which will be painted under this bid scope
        xiv. Include "Painter's caulk" of all dissimilar materials receiving paint including, but not limited to, the following: All interior corners (GWB:GWB, GWB:CMU, CMU:CMU), tile to other surfaces, HM door frames to VCT or exposed flooring, HM door frames to CMU, access doors to GWB, etc. Painters caulk is generally determined to be caulking which does not require backer rod
        xv. Include painting of exposed wood furring and cementitious wood-fiber acoustical panels as required

xvi. Include all special coatings as required
xvii. Provide paint color samples (drawdowns) as required
xviii. Provide Final Paint Color Formulation Schedule
xix. Provide Field Samples of at least 100 SF for approval and acceptance by design team
xx. Paint HM frames by spraying; protect adjacent surfaces from overspray
xxi. Paint all tops and edges of door frames

b. All GWB & CMU walls are to be finished and pointed up, and ready for paint
   i. After point up is completed, Construction Manager will notify painter of suitability to proceed with primer/blockfill and 1st coat of paint
   ii. After 1st coat of paint and after permanent lights, Construction Manager will punch list GWB & CMU walls prior to final paint
   iii. Painter shall review condition of walls prior to applying final coat of paint and notify Construction Manager of suitability to complete painting
c. Do not paint over any code required label, ID tags, performance ratings, etc.
   i. Clean or replace as required
d. Properly dispose of all chemicals, empty containers & packaging, etc. off-site as part of this scope. Said waste material shall not to be disposed of in general construction debris dumpster
e. Include all cost associated with demonstration of specification compliance to include sampling and associated repairs
   i. Subcontractor shall be responsible for all costs (initial testing, re-testing, corrective measures, repairs, etc.) when its installation fails to meet compliance at no additional cost to the project
f. Paint wall surface full height, corner-to-corner at all patch locations
g. Provide supplemental ventilation as required to avoid impacting other trades with noxious odors
h. Perform and document to Construction Manager moisture testing as required to comply with contract documents and manufacturer's written recommendations and instructions
i. Do not dilute, thin or modify paint without advising Construction Manager
j. All conduit systems are to be color coded, pre-finished by others
k. Where finished floor is stained or polished concrete, protect floors from spills, overspray or damage during painting
l. Forklifts will not be allowed on finished slab on grade areas:
   i. Scissor lifts and other non-marking equipment may be allowed upon review of Subcontractor's erection plan with Construction Manager and receipt of written authorization thereof

7. Furnish all labor, material, equipment, accessories, etc. to make a complete installation of Concrete Floor Sealer:
   a. Include rooms: Janitor 107, Storage 108, Electrical 109, Mechanical 110 and IT 111
   b. Prepare and clean floor surfaces to remove all paint, spillages, trash, debris, markings, etc. to restore concrete slab to original condition
      i. Comply with manufacturer's instructions for preparation of substrates to receive floor sealer

c. Protect adjoining surfaces not to receive floor sealer and close off floor drains to prevent spillage and migration of liquid materials outside application area
d. Provide slip-resistant, clear penetrating sealing compounds on all floors indicated to be sealed
e. Apply one coat of floor sealer after completion of MEP and finish trades as directed by Construction Manager
    i. 2nd coat of floor sealer shall be installed immediately prior to A/E inspection or as directed by Construction Manager
    ii. It is the intent to provide 2 coats minimum of floor sealer. Subcontractor shall include any cost to clean and apply second coat of floor sealer under this bid scope

8. Allowances

a. Include stated allowances within this bid scope

b. Use of any allowance shall be as directed by Construction Manager and supported with sufficient documentation as required. Any work performed without prior written authorization will be considered as a requirement to complete the scope of work in this bid package and at no cost to the project
c. Include an **Allowance** for **additional painting** as directed by Construction Manager, and shall be based upon indicated Quantities and Unit Prices:
    i. Additional painting is defined as miscellaneous touch-up after final completion and in addition to the requirements specified within this bid package
    ii. Include all requirements outlined within this bid package
    iii. Include 50 hours for said work

9. Site Access Requirements

Subcontractor must conduct a 50-state background check and e-verify compliance for all personnel associated with the project

a. Submit completed Exhibit L—Lunsford Act & E-verify documentation to Construction Manager for Owner review and approval in advance of worker arriving on-site; same day approval **cannot** be granted.
b. All personnel, while on-site, must wear a plastic laminated photo identification badge that identifies person's name and employer. Badges are to be computer produced with a font large enough to be clearly visible. The ID badge template will be made available to successful prime contractors. All costs associated with criminal background checks, e-verification and ID Badging are the responsibility of each Subcontractor.
c. This a contractual requirement applicable to all personnel and all lower-tier subcontractors. Delivery drivers may be exempt with prior written approval from Construction Manager; submit request in advance.
d. Construction Manager and Owner reserve their right to deny any individual access to job-site for any reasonable condition

10. Provide all traffic control, flagging, guides, signage, etc. as required for this scope
11. Subcontractor shall repair all land disturbances caused by equipment under this bid scope regardless of wet/dry conditions to include, but not limited to, repair of rutting, damages to erosion control measures, damage to temporary or permanent roads, curbing, etc.

    a. Restore all disturbed areas to equal or better condition than original
12. Maintain all roads, streets, parking, on-site and off-site roadways, etc. free and clear of any mud or debris created by this trade and its deliveries; clean-up shall occur immediately
    a. Sufficient personnel & equipment shall be on-site at all times to expedite this work
    b. Spillage of water, materials, etc. in public traffic areas shall be immediately cleaned
13. Inspect all substrates and conditions for suitability to receive work under this scope prior to starting work
    a. Advise Construction Manager immediately in writing of any deficiencies or issue
    b. Commencement of work guarantees acceptance of conditions
14. Daily clean-up of all trash and debris caused by this work
15. Furnish all ladders, lifts, shoring, scaffolding, etc. as required for this work
16. Furnish all supplemental lighting and power as required for this scope
17. Include field measure of all work in this bid scope prior to fabrication
18. Include all necessary mobilizations, multiple crews and equipment, night and weekend shifts as required or directed by Construction Manager to complete the work
19. Protect all work under this scope from damage until accepted by Owner
    a. Protect adjacent surfaces from damage by this scope of work. Any damage to adjacent surfaces or work during execution of this scope shall be repaired or replaced by this Subcontractor at no additional cost to Construction Manager
    b. Repairs shall be finished to match existing or adjacent construction
    c. Patch and repair all building finishes, structural components or other appurtenances that are removed or damaged as a result of performance of this scope. Repair work shall include finishes, components, substructure and materials required for the installation of such work in accordance with standard practices and shall be finished to match existing or adjacent conditions.
    d. Protect roadways and parking areas from damage caused by loading, unloading & staging of materials and equipment, hoisting & lifting activities, cranes, etc. All repair costs shall be borne by subcontractor responsible for said damages.
20. Subcontractor is responsible for all corrective repairs resulting from its defective workmanship
21. All corrective and repair work shall be performed within 24-hours after notification and shall be accepted prior to payment issuance to Subcontractor for said work performed
22. OSHA Safety measures shall be required and implemented
    a. Delivery drivers shall wear proper PPE while on site (staging, off-loading, etc.)
23. Project planning, to include, but not limited to
    a. Participation in development of Master Construction Schedule
    b. Submit a Job Hazardous Analysis (JHA) for each definable feature of work in advance of work start
    c. Participation by foreman and all workers in a Preparatory Meeting to review JHA, safety requirements, proposed work, approved submittals and other applicable construction documents prior to starting work
24. Provide all warranties, guarantees, extended service agreements, training, etc. as required
25. Pricing is firm, not subject to escalation for duration of project

SPECIFIC EXCLUSIONS

1. Finishing wood doors, painting of metal access doors & under counter supports

ALLOWANCES

#1	Additional touch-up painting	**50 hours**

UNIT PRICES

UP-01	Additional touch-up painting	**$ / Hour**

ALTERNATES

Alternate W-2, Pre-engineered Metal Canopies, if selected by Owner, shall include any specific or special requirements, above and beyond that of the base bid, to support the indicated Alternate scope:

- **Base Bid:** Provide a complete installation of the structural framed, metal deck and membrane roof canopies (Main Bus Students & East Canopies) as required to support the project
- **Alternate:** Provide a complete installation of pre-engineered metal canopies (Main Bus Student & East canopies) as indicated in lieu of base bid structural-framed canopies:
    - **BP-09G:**
        - Adjustment, if any, associated with painting of canopy columns
- If there is no cost difference between Base Bid and Alternate, then Alternate W-2 bid shall be "No Cost"; otherwise, indicate the net cost difference to provide Alternate scope
- Include all requirements outlined within this bid package

Subcontractor Scope of Work
Exhibit A

Waccamaw K-2 Building Replacement
Job No. 1952

BP-10A Specialties

This bid package is intended to be complementary to the Contract Documents including the Project Drawings, Specifications, Addendum, and Project Manual. Subcontractor acknowledges that the Subcontractor Specific Requirements are not intended to describe the complete and final work scope. Reference is made to the Specifications Sections, but is in no way intended to limit or alter the intent of the contract documents.

Subcontractor shall perform all work and shall furnish all layout, supervision, materials, labor, scaffolding, tools, equipment, supplies, services, rigging, craning and hoisting of all materials and equipment, temporary protection of own work, coordination of own work and interaction of work of others, home office and field administration, project management, scheduling, field supervision, engineering, quality control, safety, taxes, insurances, permits, punch list, closeouts and all other things necessary or reasonably incidental for the construction and completion of their work as portrayed in the enclosed enumerated contract documents and specification sections as referenced below:

SUBCONTRACTOR'S WORK SPECIFICALLY INCLUDES:

Bordeaux Bidding Requirements and Information 4/27/2020

Division 01 – General Requirements
Division 10 –Specialties

Section 101100	Visual Display Surfaces
Section 102113	Plastic Toilet Compartments
Section 102800	Toilet Accessories
Section 104400	Fire Protection Specialties

All Related Sections/Requirements referenced within each Division and/or section

SUBCONTRACTOR SPECIFIC REQUIREMENTS:

1. BP-01 General Inclusion Items as applicable to complete Work
2. Complete installation of work in this bid scope in accordance with all local, state and federal (OSHA) safety regulations and/or requirements.
3. Complete installation as outlined in the Construction Documents and within this scope package
4. Dispose of all trash and waste materials in dumpster provided by Construction Manager
5. The following is a general outline of the items specifically included, but not limited to, in this bid scope:

a. Furnish all labor, materials, equipment, anchors, fasteners, caulking, sealants and other accessories as required to make a complete installation of various Interior Specialties:
    i. Visual Display Surfaces
        1. Marker Boards
        2. Tackboards & Strips
        3. Monitors (OFCI)
        4. All accessories, trim, chalk trays, map rails, hangers, fasteners, etc.
    ii. Toilet Compartments & Screens
        1. Include all mounting hardware, fasteners, anchors, full-height continuous wall brackets, accessories, trim, etc.
    iii. Toilet Accessories
        1. Include receipt, handling & installation of Owner Furnished items as noted
    iv. Fire Extinguishers & Fire Extinguisher Cabinets
        1. Include lettering & labeling as required
        2. Include FE certification as required
    v. Residential Appliances (OFCI)
        1. Include receipt, handling & installation of Owner Furnished items as noted on A-751: Refrigerator & Microwave
    vi. Include all stated allowances outlined within this bid package
b. Remove all labels and stickers at time of installation
c. All shipping & transportation to be FOB job-site
d. Coordinate all blocking requirements with BP-01A General Trades and 09A GWB
e. Coordinate rough-in dimensions in CMU and GWB for all semi-recessed items furnished & installed under this bid package. Include minor saw cut, removal and patch of any CMU or GWB as required to install recessed or semi-recessed items under this bid package.

6. Allowances

Use of any allowance shall be as directed by Construction Manager and supported with sufficient documentation as required. Any work performed without prior written authorization will be considered as a requirement to complete the scope of work in this bid package and at no cost to the project

a. Include an **Allowance for designated scope and quantity**, installed as directed by Construction Manager and shall be based upon indicated Quantities and Unit Prices:
    i. Allowance #1: Install a semi-recessed fire extinguisher cabinet with 10# ABC fire extinguisher in GWB partitions as directed by Architect, Owner and/or AHJ, **two (2) each**
    ii. Allowance #2: Install a bracket-mounted 10# ABC fire extinguisher as directed by Architect, Owner and/or AHJ, **two (2) each**
    iii. Include all requirements within this bid package

7. Site Access Requirements

Subcontractor must conduct a 50-state background check and e-verify compliance for all personnel associated with the project

a. Submit completed Exhibit L—Lunsford Act & E-verify documentation to Construction Manager for Owner review and approval in advance of worker arriving on-site; same day approval **cannot** be granted.
b. All personnel, while on-site, must wear a plastic laminated photo identification badge that identifies person's name and employer. Badges are to be computer produced with a font large enough to be clearly visible. The ID badge template will be made available to successful prime contractors. All costs associated with criminal background checks, e-verification and ID Badging are the responsibility of each Subcontractor.
c. This a contractual requirement applicable to all personnel and all lower-tier subcontractors. Delivery drivers may be exempt with prior written approval from Construction Manager; submit request in advance.
d. Construction Manager and Owner reserve their right to deny any individual access to job-site for any reasonable condition

8. Inspect all substrates and conditions for suitability to receive work under this scope prior to starting work
    a. Advise Construction Manager immediately in writing of any deficiencies or issues
    b. Commencement of work guarantees acceptance of conditions
9. Daily cleanup of debris caused by this work
10. Furnish all ladders, lifts, shoring, scaffolding, etc. as required for this work
11. Furnish all supplemental lighting and power as required for this scope
12. Include field measure of all work in this bid scope prior to fabrication
13. Include all necessary mobilizations, multiple crews and equipment, night and weekend shifts as required or directed by Construction Manager to complete the work
14. Protect all work under this scope from damage until accepted by Owner
15. Protect adjacent surfaces from damage by this scope of work
    a. Any damage to adjacent surfaces or work during execution of this scope shall be repaired or replaced by this Subcontractor at no additional cost to Construction Manager
    b. Repairs shall be finished to match existing or adjacent construction
16. Subcontractor is responsible for all corrective repairs resulting from its defective workmanship
17. All corrective and repair work shall be performed within 24-hours after notification and shall be accepted prior to payment issuance to Subcontractor for said work performed
18. OSHA Safety measures shall be required and implemented
19. Provide all warranties, guarantees, extended service agreements, training, etc. as required
20. Provide all extra materials as required
21. Pricing firm, not subject to escalation for duration of project

SPECIFIC EXCLUSIONS

1. Wood Blocking by BP-01A General Trades
2. Signage (101400) by BP-10C Signage
3. Custom Metal Canopy (057500) by BP-07A Roofing

ALLOWANCES

#1	Install Fire Extinguisher & Cabinet	**2 each**
#2	Install bracket-mounted Fire Extinguisher	**2 each**

UNIT PRICES

UP-01	Fire Extinguisher & Cabinet	**$ / each**
UP-02	Fire Extinguisher (bracket mount)	**$ / each**

ALTERNATES

Not Applicable

Subcontractor Scope of Work
Exhibit A

Waccamaw K-2 Building Replacement
Job No. 1952

BP 10C - Signage

This bid package is intended to be complementary to the Contract Documents including the Project Drawings, Specifications, Addendum, and Project Manual. Subcontractor acknowledges that the Subcontractor Specific Requirements are not intended to describe the complete and final work scope. Reference is made to the Specifications Sections, but is in no way intended to limit or alter the intent of the contract documents.

Subcontractor shall perform all work and shall furnish all layout, supervision, materials, labor, scaffolding, tools, equipment, supplies, services, rigging, craning and hoisting of all materials and equipment, temporary protection of own work, coordination of own work and interaction of work of others, home office and field administration, project management, scheduling, field supervision, engineering, quality control, safety, taxes, insurances, permits, punch list, closeouts and all other things necessary or reasonably incidental for the construction and completion of their work as portrayed in the enclosed enumerated contract documents and specification sections as referenced below:

SUBCONTRACTOR'S WORK SPECIFICALLY INCLUDES:

Bordeaux Bidding Requirements and Information 4/27/2020

Division 01 – General Requirements
Division 10 – Specialties
Section101400 Room-Identification Signage

All Related Sections/Requirements referenced within each Division and/or section

SUBCONTRACTOR SPECIFIC REQUIREMENTS:

1. BP-01 General Inclusion Items as applicable to complete Work
2. Complete installation of work in this bid scope in accordance with all local, state and federal (OSHA) safety regulations and/or requirements
3. Complete installation of Signage as outlined in the Construction Documents and within this scope package
4. Dispose of all trash and waste materials in dumpster provided by Construction Manager
5. The following is a general outline of the items specifically included, but not limited to, in this bid scope:
    a. Furnish all labor, material, equipment, adhesives, tape, fasteners and other accessories as required to make a complete installation of:
        i. Interior Panel signs
            1. Restrooms with Pictograms (Types F-1, F-2 & F-3)

2. Room identification with inserts (Types A & D)
3. Room identification (Types B, C & E)
4. Egress Map (Type G)

ii. Miscellaneous/Specialty Signage
1. Fire Extinguisher (Type S)
2. Sprinkler Riser Room (Type Q)
3. FACP (Type O)
4. Project Sign

iii. Include all stated allowances outlined within this bid scope

b. For signage with changeable message inserts:
i. Include initial set of changeable message inserts as part of this scope
ii. Provide Program template for message inserts for Owner's use

c. Provide colors as specified from manufacturer's full line; no upcharge for colors or special requirements within full line will be considered

d. For signage installed on glazing, furnish & install double-sided tape and blank-off panel on opposite side of glazing to match size and color

e. Include all cost associated with obtaining a complete and approved signage submittal as part of this scope

f. Include all cost associated with the Project Sign as outlined in Spec 015000-3.4-F; sign requirements to include custom colors, graphics & logos

g. Include all necessary mobilizations as required to complete work. No additional cost shall be accepted for separate mobilizations as may be required for field measurement or installation of site sign, building signage, vinyl letters, interior panel signs, & exterior panel signs. Requests for additional cost for separate mobilizations will not be accepted

6. Allowances

Use of any allowance shall be as directed by Construction Manager and supported with sufficient documentation. Any work performed without prior written authorization will be considered as a requirement to complete the scope of work in this bid package and at no cost to the project.

a. Include an **Allowance for Supplemental Signage** installed as directed by Construction Manager and shall be based upon indicated Quantities and Unit Prices:
i. Supplemental signage allowance is intended for Public safety and welfare to include updating egress maps in existing buildings and wayfinding around construction site. This signage is not currently indicated on Signage Schedule or outlined on drawings and is not related to typical construction signage.
ii. Include all requirements outlined within this bid package
iii. Include an **Allowance of $1,500** for said work

7. Site Access Requirements

Subcontractor must conduct a 50-state background check and e-verify compliance for all personnel associated with the project

a. Submit completed Exhibit L—Lunsford Act & E-verify documentation to Construction Manager for Owner review and approval in advance of worker arriving on-site; same day approval **cannot** be granted.

b. All personnel, while on-site, must wear a plastic laminated photo identification badge that identifies person's name and employer. Badges are to be computer produced with a font large enough to be clearly visible. The ID badge template will be made available to successful prime contractors. All costs associated with criminal background checks, e-verification and ID Badging are the responsibility of each Subcontractor.
c. This a contractual requirement applicable to all personnel and all lower-tier subcontractors. Delivery drivers may be exempt with prior written approval from Construction Manager; submit request in advance.
d. Construction Manager and Owner reserve their right to deny any individual access to job-site for any reasonable condition

8. Inspect all substrates and conditions for suitability to receive work under this scope prior to starting work
    a. Advise Construction Manager immediately in writing of any deficiencies or issues
    b. Commencement of work guarantees acceptance of conditions
9. Daily cleanup of debris caused by this work
10. Furnish all ladders, lifts, shoring, scaffolding, etc. as required for this work
11. Furnish all supplemental lighting and power as required for this scope
12. Include field measure of all work in this bid scope prior to fabrication
13. Include all necessary mobilizations, multiple crews and equipment, night and weekends as required or directed by Construction Manager to complete the work
14. Protect all work under this scope from damage until accepted by Owner
15. Protect adjacent surfaces from damage by this scope of work
    a. Any damage to adjacent surfaces or work during execution of this scope shall be repaired or replaced by this Subcontractor at no additional cost to Construction Manager
    b. Repairs shall be finished to match existing or adjacent construction
16. Subcontractor is responsible for all corrective repairs resulting from its defective workmanship
17. All corrective and repair work shall be performed within 24-hours after notification and shall be accepted prior to payment issuance to Subcontractor for said work performed
18. OSHA Safety measures shall be required and implemented
19. Provide all warranties, guarantees, service agreements, O&M, training, etc. as required
20. Provide all extra materials as required
21. Pricing firm, not subject to escalation for duration of project

SPECIFIC EXCLUSIONS

1. Traffic signage (stop, handicap, yield, pedestrian crossing, etc.) by BP-31A Sitework
2. FDC and PIV signage by BP-31A Sitework

ALLOWANCES

#1	Supplemental Signage	**$1,500**

UNIT PRICES

Not Applicable

ALTERNATES

Not Applicable

Subcontractor Scope of Work
Exhibit A

Waccamaw K-2 Building Replacement
Job No. 1952

BP 12A - Window Treatments

This bid package is intended to be complementary to the Contract Documents including the Project Drawings, Specifications, Addendum, and Project Manual. Subcontractor acknowledges that the Subcontractor Specific Requirements are not intended to describe the complete and final work scope. Reference is made to the Specifications Sections, but is in no way intended to limit or alter the intent of the contract documents.

Subcontractor shall perform all work and shall furnish all layout, supervision, materials, labor, scaffolding, tools, equipment, supplies, services, rigging, craning and hoisting of all materials and equipment, temporary protection of own work, coordination of own work and interaction of work of others, home office and field administration, project management, scheduling, field supervision, engineering, quality control, safety, taxes, insurances, permits, punch list, closeouts and all other things necessary or reasonably incidental for the construction and completion of their work as portrayed in the enclosed enumerated contract documents and specification sections as referenced below:

SUBCONTRACTOR'S WORK SPECIFICALLY INCLUDES:

Bordeaux Bidding Requirements and Information 4/27/2020

Division 01 – General Requirements
Division 12 – Furnishings
Section 122413 Roller Window Shades

All Related Sections/Requirements referenced within each Division and/or section

SUBCONTRACTOR SPECIFIC REQUIREMENTS:

1. BP-01 General Inclusion Items as applicable to complete Work
2. Complete installation of work in this bid scope in accordance with all local, state and federal (OSHA) safety regulations and/or requirements
3. Complete installation as outlined in the construction documents and within this scope package to include all insurances and taxes
4. Dispose of all trash and waste materials in dumpster provided by Construction Manager
5. The following is a general outline of the items specifically included, but not limited to, in this bid scope:
    a. Furnish all labor, materials, equipment, anchors, fasteners, trims, caulking, etc. to make a complete installation of the specified window treatments:
        i. Manual-operated Roller Shades

ii. Provide colors as specified from manufacturer's full line, no upcharge for colors within full line will be considered

6. **Site Access Requirements**

   Subcontractor must conduct a 50-state background check and e-verify compliance for all personnel associated with the project

   a. Submit completed Exhibit L—Lunsford Act & E-verify documentation to Construction Manager for Owner review and approval in advance of worker arriving on-site; same day approval **cannot** be granted.
   b. All personnel, while on-site, must wear a plastic laminated photo identification badge that identifies person's name and employer. Badges are to be computer produced with a font large enough to be clearly visible. The ID badge template will be made available to successful prime contractors. All costs associated with criminal background checks, e-verification and ID Badging are the responsibility of each Subcontractor.
   c. This a contractual requirement applicable to all personnel and all lower-tier subcontractors. Delivery drivers may be exempt with prior written approval from Construction Manager; submit request in advance.
   d. Construction Manager and Owner reserve their right to deny any individual access to job-site for any reasonable condition

7. Inspect all substrates and conditions for suitability to receive work under this scope prior to starting work
   a. Advise Construction Manager immediately in writing of any deficiencies or issue
   b. Commencement of work guarantees acceptance of conditions
8. Daily clean-up of all trash and debris caused by this work
9. Furnish all ladders, lifts, shoring, scaffolding, etc. as required for this work
10. Furnish all supplemental lighting and power as required for this scope
11. Include field measure of all work in this bid scope prior to fabrication
12. Include all necessary mobilizations, multiple crews and equipment, night and weekend shifts as required or directed by Construction Manager to complete the work. No additional cost will be accepted for separate mobilizations as may be required for field measurement, installation, testing or project phasing
13. Protect all work under this scope from damage until accepted by Owner
    a. Protect adjacent surfaces from damage by this scope of work Any damage to adjacent surfaces or work during execution of this scope shall be repaired or replaced by this Subcontractor at no additional cost to Construction Manager
    b. Repairs shall be finished to match existing or adjacent construction
    c. Patch and repair all building finishes, structural components or other appurtenances that are removed or damaged as a result of performance of this scope. Repair work shall include finishes, components, substructure and materials required for the installation of such work in accordance with standard practices and shall be finished to match existing or adjacent conditions.
    d. Protect roadways and parking areas from damage caused by loading, unloading & staging of materials and equipment, hoisting & lifting activities, cranes, etc. All repair costs shall be borne by subcontractor responsible for said damages.

14. Subcontractor is responsible for all corrective repairs resulting from its defective workmanship
15. All corrective and repair work shall be performed within 24-hours after notification and shall be accepted prior to payment issuance to Subcontractor for said work performed
16. OSHA Safety measures shall be required and implemented
    a. Delivery drivers shall wear proper PPE while on site (staging, off-loading, etc.)
17. Project planning, to include, but not limited to
    a. Participation in development of Master Construction Schedule
    b. Submit a Job Hazardous Analysis (JHA) for each definable feature of work in advance of work start
    c. Participation by foreman and all workers in a Preparatory Meeting to review JHA, safety requirements, proposed work, approved submittals and other applicable construction documents prior to starting work
18. Provide all warranties, guarantees, extended service agreements, training, etc. as required
19. Pricing is firm, not subject to escalation for duration of project

SPECIFIC EXCLUSIONS

Not Applicable

ALLOWANCES

Not Applicable

UNIT PRICES

Not Applicable

ALTERNATES

Not Applicable

Subcontractor Scope of Work
Exhibit A

Waccamaw K-2 Building Replacement
Job No. 1952

BP 12B - Casework

This bid package is intended to be complementary to the Contract Documents including the Project Drawings, Specifications, Addendum, and Project Manual. Subcontractor acknowledges that the Subcontractor Specific Requirements are not intended to describe the complete and final work scope. Reference is made to the Specifications Sections, but is in no way intended to limit or alter the intent of the contract documents.

Subcontractor shall perform all work and shall furnish all layout, supervision, materials, labor, scaffolding, tools, equipment, supplies, services, rigging, craning and hoisting of all materials and equipment, temporary protection of own work, coordination of own work and interaction of work of others, home office and field administration, project management, scheduling, field supervision, engineering, quality control, safety, taxes, insurances, permits, punch list, closeouts and all other things necessary or reasonably incidental for the construction and completion of their work as portrayed in the enclosed enumerated contract documents and specification sections as referenced below:

SUBCONTRACTOR'S WORK SPECIFICALLY INCLUDES:

Bordeaux Bidding Requirements and Information 4/27/2020

Division 01 – General Requirements
Division 05 – Metals (as it applies to this scope)
Section 057500 Metal Fabrications
Division 06 – Wood, Plastics & Composites
Section 061053 Miscellaneous Rough Carpentry (as it applies to this scope)
Division 07 – Thermal & Moisture Protection
Section 079200 Joint Sealants (as it applies to this scope)
Division 12 – Furnishings
Section 123216 Manufactured Plastic-Laminate-Faced Casework
Section 123623 Plastic-Laminate-Clad Countertops
Section 123661 Solid Surface Window Stools

All Related Sections/Requirements referenced within each Division and/or section

SUBCONTRACTOR SPECIFIC REQUIREMENTS:

1. BP-01 General Inclusion Items as applicable to complete Work
2. The on-site foreman or superintendent for this work scope shall have a cellular service enabled iPad with iOS 10.2.1 or later and equipped with a durable LifeProof protective case or equivalent. The iPad shall have the latest version of the Procore Construction

Management Software application installed in order to have all live project documents, drawings, submittals, etc. in hand and immediately accessible.

3. Complete installation of work in this bid scope in accordance with all local, state and federal (OSHA) safety regulations and/or requirements
4. Dispose of all trash and waste materials in dumpster provided by Construction Manager
5. Complete installation as outlined in the construction documents and within this scope package to include all insurances and taxes
6. The following is a general outline of the items specifically included, but not limited to, in this bid scope:
    a. Furnish all labor, materials, equipment, end panels, backsplashes, locks, standards, pulls, slides, grommets, anchors, fasteners, caulking and sealants and other accessories as required to make a complete installation of:
        i. All plastic laminate-clad casework, cabinets, countertops, shelving, end panels, sills, etc.
        ii. All associated hardware and accessories
        iii. All Solid Surface countertops, window stools and sills
    b. Include all under-counter support brackets factory finished with baked enamel
    c. Include all window sills as required
    d. Include all plastic laminate-clad end panels as required
    e. Install steel angle frames and supports furnished by BP-05A Turnkey Steel
    f. Caulk all finish carpentry, casework, backsplashes, solid surface tops, etc. to similar and dissimilar materials
    g. Provide removable sink panel where specified, coordinate with plumbing fixtures and piping to ensure ADA compliant installation
    h. Include cutouts for all plumbing fixtures, faucets, sinks, etc. in plastic laminate and solid surface counters
    i. Include cut-outs for other trades; coordinate as required
    j. Provide grommets at all openings and holes
    k. Clean all work provided under this bid scope at completion of installation; remove all stickers, labels, tags, etc.
    l. All work shall be installed free from scratches, chips, or dents. Review field repairs with Construction Manager prior to completing any repairs
    m. Coordinate in-wall blocking with BP-01A General Trades and BP-09A Drywall as required

7. Site Access Requirements

Subcontractor must conduct a 50-state background check and e-verify compliance for all personnel associated with the project

a. Submit completed Exhibit L—Lunsford Act & E-verify documentation to Construction Manager for Owner review and approval in advance of worker arriving on-site; same day approval **cannot** be granted.
b. All personnel, while on-site, must wear a plastic laminated photo identification badge that identifies person's name and employer. Badges are to be computer produced with a font large enough to be clearly visible. The ID badge template will be made available to successful prime contractors. All costs associated with criminal

background checks, e-verification and ID Badging are the responsibility of each Subcontractor.

c. This a contractual requirement applicable to all personnel and all lower-tier subcontractors. Delivery drivers may be exempt with prior written approval from Construction Manager; submit request in advance.
d. Construction Manager and Owner reserve their right to deny any individual access to job-site for any reasonable condition

8. Inspect all substrates and conditions for suitability to receive work under this scope prior to starting work
    a. Advise Construction Manager immediately in writing of any deficiencies or issues
    b. Commencement of work guarantees acceptance of conditions
9. Daily cleanup of debris caused by this work
10. Furnish all ladders, lifts, shoring, scaffolding, etc. as required for this work
11. Furnish all supplemental lighting and power as required for this scope
12. Include field measure of all work in this bid scope prior to fabrication
13. Include all necessary mobilizations, multiple crews and equipment, night and weekend shifts as required or directed by Construction Manager to complete the work
14. Protect all work under this scope from damage until accepted by Owner
15. Protect adjacent surfaces from damage by this scope of work
    a. Any damage to adjacent surfaces or work during execution of this scope shall be repaired or replaced by this Subcontractor at no additional cost to Construction Manager
    b. Repairs shall be finished to match existing or adjacent construction
    c. Patch and repair all building finishes, structural components or other appurtenances that are removed or damaged as a result of performance of this scope. Repair work shall include finishes, components, substructure and materials required for the installation of such work in accordance with standard practices and shall be finished to match existing or adjacent conditions.
    d. Protect roadways and parking areas from damage caused by loading, unloading & staging of materials and equipment, hoisting & lifting activities, cranes, etc. All repair costs shall be borne by subcontractor responsible for said damages.
16. Subcontractor is responsible for all corrective repairs resulting from its defective workmanship
17. All corrective and repair work shall be performed within 24-hours after notification and shall be accepted prior to payment issuance to Subcontractor for said work performed
18. OSHA Safety measures shall be required and implemented
19. Project planning, to include, but not limited to:
    a. Participation in development of Master Construction Schedule
    b. Submit a Job Hazardous Analysis (JHA) for each definable feature of work in advance of work start
    c. Participation by foreman and all workers in a Preparatory Meeting to review JHA, safety requirements, proposed work, approved submittals and other applicable construction documents prior to starting work
20. Provide all warranties, guarantees, service agreements, O&M, training, etc. as required
21. Provide all extra materials as required

22. Pricing is firm, not subject to escalation for duration of project

SPECIFIC EXCLUSIONS

1. Wood blocking, coordinate installation requirements with BP-01A General Trades

ALLOWANCES

Not Applicable

UNIT PRICES

Not Applicable

ALTERNATES

Not Applicable

Subcontractor Scope of Work
Exhibit A

Waccamaw K-2 Building Replacement
Job No. 1952

BP 21A - Fire Protection

This bid package is intended to be complementary to the Contract Documents including the Project Drawings, Specifications, Addendum, and Project Manual. Subcontractor acknowledges that the Subcontractor Specific Requirements are not intended to describe the complete and final work scope. Reference is made to the Specifications Sections, but is in no way intended to limit or alter the intent of the contract documents.

Subcontractor shall perform all work and shall furnish all layout, supervision, materials, labor, scaffolding, tools, equipment, supplies, services, rigging, craning and hoisting of all materials and equipment, temporary protection of own work, coordination of own work and interaction of work of others, home office and field administration, project management, scheduling, field supervision, engineering, quality control, safety, sales tax, insurances, punch list, closeout and all other things necessary or reasonably incidental for the construction and completion of their work as portrayed in the enclosed enumerated contract documents and specification sections as referenced below:

SUBCONTRACTOR'S WORK SPECIFICALLY INCLUDES:

Bordeaux Bidding Requirements and Information 4/27/2020

Division 01 – General Requirements
Division 03 – Concrete
Section 03300 Cast-in-Place Concrete (as it applies to this scope)
Division 07 - Thermal & Moisture Protection
Section 078413 Through-Penetration Firestop Systems (as it applies to this scope)
Division 08 – Openings
Section 083113 Access doors & Frames (as it applies to this scope)
Division 21 – Fire Suppression
Section 210500 Common Work Results for Fire Suppression
Section 211000 Water Based Fire Suppression System
Division 22 – Plumbing (as it applies to this scope)
Division 26 – Electrical (as it applies to this scope)
Division 27 – Communications (as it applies to this scope)
Division 28 – Electronic Safety & Security (as it applies to this scope)

All Related Sections/Requirements referenced within each Division and/or section

SUBCONTRACTOR SPECIFIC REQUIREMENTS:

1. BP-01 General Inclusion Items as applicable to complete Work
2. Payment and performance bonds are not required for this bid scope
3. The on-site foreman or superintendent for this work scope shall have a cellular service enabled iPad with iOS 10.2.1 or later and equipped with a durable LifeProof protective case or equivalent. The iPad shall have the latest version of the Procore Construction Management Software application installed in order to have all live project documents, drawings, submittals, etc. in hand and immediately accessible.
4. This project will utilize Building Information Modeling to facilitate the preparation of coordinated shop drawings. Participation in the BIM model is a requirement of this bid package. Reference Bid Package BP-01 General Inclusions of the bid manual and Exhibit M for detailed BIM requirements for this project
5. Complete installation of work in this bid scope in accordance with all local, state and federal (OSHA) safety regulations and/or requirements
6. Complete installation as outlined in the construction documents and within this scope package to include all insurances and taxes
7. The following is a general outline of the items specifically included, but not limited to, in this bid scope:
    a. Complete design and installation of new Fire Suppression system to include, but not limited to, main & standpipe risers, test & drain lines, zone control valves & assemblies, fire hose valves, fire riser assembly, dry-type system, water flow indicators, wall mounted FDC connection, distribution piping & heads, all permits and fees, tamper switches and relays, hangers, supports, etc.
        i. Include sealed calculations and drawings by a licensed designer
        ii. Include all necessary and required drawings and information, drawing amendments and other requirements to obtain permits
        iii. Include complete seismic design and bracing as required
        iv. Water Alarm Bell to be electric
    b. Complete site water testing of flow and pressure for verification of adequacy to meet design requirements
        i. Notify Construction Manager immediately if results of testing are not adequate to support system design
    c. Furnish & install all backflow prevention devices as required for this scope
        i. Include certification for all backflow devices provided by this scope
        ii. A representative certified in backflow prevention assembly in the state of North Carolina and acceptable to Owner must be employed for this work
    d. Include stainless steel heads for all exterior and high-humidity (showers) environments
    e. Connection with new service main run-in to be at 12” inside building
    f. Furnish access doors & frames as required for this scope; installation by others
    g. Include all escutcheons at all wall and ceiling penetrations
    h. Include all concealed plates and head guards as required
    i. Include all required vibration isolation and pipe expansion supports
    j. Include all identification to include stenciling, stencil painting, pipe markers, tagging, name plates, jacketing, etc. as required

k. Install framed valve chart in riser room
l. Construct all concrete pads for equipment furnished under this scope
    i. Legally dispose of all concrete waste and debris
    ii. Provide all concrete materials as required for this scope of work inclusive of any layout, forming, concrete placement equipment, etc. for any house-keeping pads required for fire protection equipment
m. Cut acoustical ceiling panels for new head installation; heads to be centered. Ceiling tile to be supplied by others
n. Maintain fire rating of walls, partitions, ceilings and floors at pipe penetrations
o. Furnish & install storage device (capped PVC tube) mounted in riser room for record drawings
p. Furnish & install storage cabinet to include specialty tools, sprinkler heads, escutcheons, etc. as required
q. Include factory testing, start-up services, commissioning testing and training as required for this scope
r. Coordinate, layout, furnish & install sleeves and other penetration requirements for sprinkler penetrations for all wall, ceiling and floor penetrations
s. Make all penetrations required to complete this scope of work
t. Include all patching, sealing and firestopping of all penetrations in walls, floors, slabs, ceilings and similar assemblies created by this scope of work as a result of removing/installing pipes, duct, conduit, equipment and appurtenances
u. All penetrations through exterior walls, floors and ceilings shall be sealed watertight
v. Building and Trade permits will be provided by Owner thru Construction Manager
    i. Subcontractor shall obtain and activate its respective permits
    ii. Subcontractor shall be responsible for all re-inspection fees and associated costs

8. Allowances

a. Include all stated allowances outlined within this bid package

b. Use of any allowance shall be as directed by Construction Manager and supported with sufficient documentation as required. Any work performed without prior written authorization will be considered as a requirement to complete the scope of work in this bid package and at no cost to the project

c. Include an **Allowance for designated scope and quantity**, installed as directed by Construction Manager and shall be based upon indicated Quantities and Unit Prices:
    i. Allowance #1: Install one (1) sprinkler head within 15' of branch lines as directed by Architect, Owner and/or AHJ, **three (3) each**
    ii. Include all requirements within this bid package

9. Site Access Requirements

Subcontractor must conduct a 50-state background check and e-verify compliance for all personnel associated with the project

a. Submit completed Exhibit L—Lunsford Act & E-verify documentation to Construction Manager for Owner review and approval in advance of worker arriving on-site; same day approval **cannot** be granted.

b. All personnel, while on-site, must wear a plastic laminated photo identification badge that identifies person's name and employer. Badges are to be computer

produced with a font large enough to be clearly visible. The ID badge template will be made available to successful prime contractors. All costs associated with criminal background checks, e-verification and ID Badging are the responsibility of each Subcontractor.

c. This a contractual requirement applicable to all personnel and all lower-tier subcontractors. Delivery drivers may be exempt with prior written approval from Construction Manager; submit request in advance.
d. Construction Manager and Owner reserve their right to deny any individual access to job-site for any reasonable condition

10. All materials delivered to the site under this bid package shall be stored and staged on cribbage or dunnage
    a. Subcontractor shall remove and clean all mud, dirt, stains, etc. from materials prior to installation
11. Special Inspections are required on this project
    a. Coordinate with special inspector, testing agencies, local inspectors and/or Engineer of Record as may be required
    b. Include all associated cost to participate and support Special Inspections
12. Forklifts will not be allowed on finished slab on grade areas:
    a. Feed materials from the exterior
    b. Utilize pallet jacks to feed materials on finished slab areas where feeding from exterior is not feasible
    c. Scissor lifts and other non-marking equipment may be allowed upon review of Subcontractor's erection plan with Construction Manager and receipt of written authorization thereof
13. Provide all traffic control, flagging, guides, signage, etc. as required for this scope
14. Permanent roads will be expedited along with temporary drive and laydown areas shown on Site Logistics Plan
    a. Subcontractor shall take special care to stay on temporary drives during inclement weather
15. Subcontractor shall repair all land disturbances caused by equipment under this bid scope regardless of wet/dry conditions to include, but not limited to, repair of rutting, damages to erosion control measures, damage to temporary or permanent roads, curbing, etc.
    a. Restore all disturbed areas to equal or better condition than original
16. Provide all traffic control, flagging, guides, signage, etc. as required for this scope
17. Maintain all roads, streets, parking, etc. free and clear of any mud or debris created by this trade and its deliveries; clean-up shall occur immediately
    a. Sufficient personnel & equipment shall be on-site at all times to expedite this work
    b. Spillage of water, materials, etc. in public traffic areas shall be immediately cleaned
18. Inspect all substrates and conditions for suitability to receive work under this scope prior to starting work
    a. Advise Construction Manager immediately in writing of any deficiencies or issue
    b. Commencement of work guarantees acceptance of conditions

18. Daily clean-up of all trash and debris caused by this work
19. Furnish all ladders, lifts, shoring, scaffolding, etc. as required for this work
20. Furnish all supplemental lighting and power as required for this scope
21. Include field measure of all work in this bid scope prior to fabrication
22. Include all necessary mobilizations, multiple crews and equipment, night and weekend shifts as required or directed by Construction Manager to complete the work
23. Protect all work under this scope from damage until accepted by Owner
    a. Protect adjacent surfaces from damage by this scope of work. Any damage to adjacent surfaces or work during execution of this scope shall be repaired or replaced by this Subcontractor at no additional cost to Construction Manager
    b. Repairs shall be finished to match existing or adjacent construction
    c. Patch and repair all building finishes, structural components or other appurtenances that are removed or damaged as a result of performance of this scope. Repair work shall include finishes, components, substructure and materials required for the installation of such work in accordance with standard practices and shall be finished to match existing or adjacent conditions.
    d. Protect roadways and parking areas from damage caused by loading, unloading & staging of materials and equipment, hoisting & lifting activities, cranes, etc. All repair costs shall be borne by subcontractor responsible for said damages.
24. Subcontractor is responsible for all corrective repairs resulting from its defective workmanship
25. All corrective and repair work shall be performed within 24-hours after notification and shall be accepted prior to payment issuance to Subcontractor for said work performed
26. OSHA Safety measures shall be required and implemented
    a. Delivery drivers shall wear proper PPE while on site (staging, off-loading, etc.)
27. Project planning, to include, but not limited to:
    a. Participation in development of Master Construction Schedule
    b. Submit a Job Hazardous Analysis (JHA) for each definable feature of work in advance of work start
    c. Participation by foreman and all workers in a Preparatory Meeting to review JHA, safety requirements, proposed work, approved submittals and other applicable construction documents prior to starting work
28. Provide all warranties, guarantees, service agreements, training, etc. as required
29. Pricing is firm, not subject to escalation for duration of project

SPECIFIC EXCLUSIONS

1. Firestopping of sprinkler penetrations is excluded from this bid scope
   Subcontractor is responsible for all coordination, sleeving and preparation of all sprinkler penetrations with firestopping contractor

ALLOWANCES

#1	Install sprinkler heads as directed	**3 heads**

UNIT PRICES

UP-1 Install one (1) sprinkler head as directed **$ / each**

ALTERNATES

Not Applicable

Subcontractor Scope of Work
Exhibit A

Waccamaw K-2 Building Replacement
Job No. 1952

BP 22A - Plumbing

This bid package is intended to be complementary to the Contract Documents including the Project Drawings, Specifications, Addendum, and Project Manual. Subcontractor acknowledges that the Subcontractor Specific Requirements are not intended to describe the complete and final work scope. Reference is made to the Specifications Sections, but is in no way intended to limit or alter the intent of the contract documents.

Subcontractor shall perform all work and shall furnish all layout, supervision, materials, labor, scaffolding, tools, equipment, supplies, services, rigging, craning and hoisting of all materials and equipment, temporary protection of own work, coordination of own work and interaction of work of others, home office and field administration, project management, scheduling, field supervision, engineering, quality control, safety, taxes, insurances, permits, punch list, closeouts and all other things necessary or reasonably incidental for the construction and completion of their work as portrayed in the enclosed enumerated contract documents and specification sections as referenced below:

SUBCONTRACTOR'S WORK SPECIFICALLY INCLUDES:

Bordeaux Bidding Requirements and Information 4/27/2020
Division 01 – General Requirements
Division 03 – Concrete

Section 033000	Cast-in-Place Concrete	(as it applies to this scope)

Division 08 – Openings

Section 083113	Access Doors & Frames	(as it applies to this scope)

Division 22 – Plumbing
Division 31 – Earthwork (as it applies to this scope)

All Related Sections/Requirements referenced within each Division and/or section

SUBCONTRACTOR SPECIFIC REQUIREMENTS:

1. Payment and performance bond are required for this bid scope. Cost of payment and performance bonds are included in the base bid price.
2. BP-01 General Inclusion Items as applicable to complete Work
3. The on-site foreman or superintendent for this work scope shall have a cellular service enabled iPad with iOS 10.2.1 or later and equipped with a durable LifeProof protective case or equivalent. The iPad shall have the latest version of the Procore Construction Management Software application installed in order to have all live project documents, drawings, submittals, etc. in hand and immediately accessible.
4. This project will utilize Building Information Modeling to facilitate the preparation of coordinated shop drawings. Participation in the BIM model is a requirement of this bid

package. Reference Bid Package BP-01 General Inclusions of the bid manual and Exhibit M for detailed BIM requirements for this project

5. Complete installation of work in this bid scope in accordance with all local, state and federal (OSHA) safety regulations and/or requirements
6. Complete plumbing systems installation as outlined in the construction documents and within this scope package to include all insurances and taxes
7. Dispose of all trash and waste materials in dumpster provided by Construction Manager
8. The following is a general outline of the items specifically included, but not limited to, in this bid scope:
    a. Complete installation of the following systems to include all hangers, supports, sleeves, floor plates, shield plates, escutcheons & trim, valves, insulation & protective covers, identification (labels, tags, markings, buttons, stenciling, painting, etc.), other accessories and incidentals, excavation and backfill, etc. as required:
        i. Domestic Water
            1. Include all interior backflow devices required under this scope
                a. Provide certification for all backflow devices installed by this scope
                b. A representative certified in backflow prevention assembly in the state of North Carolina and acceptable to Owner must be employed for this work
            2. Include chlorination, testing and certifications on all domestic water systems as required
            3. Include isolation valves and tees as shown and where practical for future connections
            4. Include all pumps, piping specialties, etc.
            5. Include water heating controls as required
        ii. Domestic Sanitary Waste & Vents
            1. Floor drains shall be provided with trap primer or trap seals at Plumbing Contractors discretion
            2. Include temporary protection of plumbing waste lines
                a. Cap/plug lines and cover floor drains with temporary protection
                b. Verify lines are cleaned and flushed at project completion
            3. Include under lavatory guards to comply with ADA and other specification requirements
            4. Include cast iron sleeves for piping below footings and thickened slab
                a. Refer to Details 6-6 & 7-7/S3.01
                b. Include pipe supports and spacers
        iii. Roof Drainage
            1. Inclusive of piping, cleanouts, vents, drains, clamps & pans, etc.
            2. Install backwater valves where required
            3. Include connection to site utilities at cleanout
            4. Include insulation of drain leaders; insulation to be plenum-rated in plenum spaces
            5. Include saw cutting and removal of metal deck to allow installation

6. Include specialty nozzles for overflow downspout outlets

iv. DSS Unit Condensation Drain
    1. Inclusive of all requirements thru installation of condensate basin and connection of outfall piping installed under BP-31A Sitework (refer to Drawings C-3.0 & P-101 and Detail M/P-001)

v. Construction Layout
    1. Coordinate, layout and install sleeves and other requirements for plumbing during construction of walls
        a. Coordinate with BP-04A Masonry and BP-09A GWB as required
        b. Any penetration missed or incorrectly located will be corrected at subcontractor's expense
    2. Contractor shall coordinate and assist in the layout of any housekeeping pads required for its equipment
        a. Housekeeping pads will be provided under BP-03A Turnkey Concrete or BP-31A Turnkey Sitework as applicable
        b. Furnish & install any precast pads required

vi. Complete underground interior and exterior excavation, backfill, compaction, etc.
    1. Subgrade to be properly compacted, fine graded and left ready for concrete prep or sitework to commence
    2. Subcontractor is responsible for all soil compaction requirements associated with installation of its work

vii. Include all stated allowances outlined within this bid scope

b. Additional Requirements:

i. Provide adequate manpower for running of plumbing work within masonry construction. Plumbing crews shall work same hours as masonry contractor as required for weather, regardless of schedule of plumbing work, during CMU masonry installation.

ii. Include installation, maintenance and removal of temporary water supply and hookup to Construction Manager Office trailer and to masonry mixing station. See Site Logistics Plan for locations.

iii. BP-26A Electrical to furnish & install motor starters, disconnects switches and combo starters for equipment under this bid scope, unless otherwise specified or indicated within the Construction Documents:
    1. Items marked "Provide with unit" are to be furnished & installed by under this bid scope
    2. Furnish & install all VFD/VSDs, interconnect wiring, controls, etc. as required for equipment furnished under this scope
        a. Protect VFD/VSDs from dust infiltration until Owner acceptance; clean VFD/VSDs at Owner acceptance
        b. Change filter media as required or directed by Construction Manager
    3. Subcontractor is responsible for final electrical connections of all equipment provided under this scope

iv. Include factory testing, start-up services and training as required for this scope
v. Include final plumbing connections to all equipment to include Kitchen/Food Service and Laundry equipment, whether furnished or installed under this bid package
vi. Furnish & install all sleeves required for this scope
vii. Furnish & install all roof pipe supports & curbs required for this scope
viii. Include all access doors & frames as required for this scope
    1. Installation in GWB by BP-09A Drywall
    2. Location of access doors shall be coordinated with BP-09A Drywall prior to framing
ix. Subcontractor is responsible to coordinate submittals and installation to ensure all plumbing fixtures comply with ADA code
x. Include all required vibration isolation, pipe expansion supports, etc. as required
xi. Include seismic design and bracing as required to meet seismic zone for this project
xii. All actuators and valves shall be rated for the environmental conditions they are installed
xiii. Include participation in mockups as required
xiv. Coordinate with BP-03A & BP-09B to ensure all floor & roof drains and cleanouts are installed to correct elevations
    1. Coordinate all drains and cleanouts with flooring/concrete/waterproofing contractors
    2. Subcontractor must be on-site during all concrete slab placements and will be responsible for ensuring floor drains and cleanouts are installed to correct elevations
xv. Connect all plumbing within buildings to a point 5' outside of the building unless otherwise noted
    1. Contractor is responsible for coordination with BP-31A Site Work for location and tie-in of plumbing systems
xvi. Include all pit drains and floor drains as shown including, but not limited to laundry extractor trench drain, grate & lint trap, floor drains, floor sinks, floor trough, etc.
    1. For drains with angle frames set in concrete or tile, provide angle frame for installation by others
    2. Coordinate location and install requirements with floor finishes
xvii. Subcontractor is responsible for all soil compaction requirements associated with installation of its work
xviii. Unless noted in the "specific exclusion" of this bid package, provide all concrete materials as required for this scope of work
    1. All exposed concrete shall be rubbed and patched as required to remove surfaces defects
xix. Construction Manager will pay for all initial Building Permits and fees
    1. Subcontractor shall obtain and activate its respective permits

2. Subcontractor shall be responsible for all re-inspection fees and associated costs

9. Allowances

Include all stated allowances outlined within this bid scope

Use of any allowance shall be as directed by Construction Manager and supported with sufficient documentation as required. Any work performed without prior written authorization will be considered as a requirement to complete the scope of work in this bid package and at no cost to the project

a. Include as **Allowances for designated scope and quantity**, installed as directed by Construction Manager and shall be based upon indicated Quantities and Unit Prices:
   i. **Allowances #1 thru #3** as indicated:
      #1--Unsuitable soils (Trench) removal and disposal **OFF-SITE** **25 CY**
      #2--Replacement of unsuitable soils (Trench) with select import fill **25 CY**
      #3--Replacement of unsuitable soils (Trench) with #78 stone **20 Tons**
   ii. Allowances shall include all associated cost for purchase of materials, transportation, placement, compaction and quantity verification
   iii. Allowances to include all requirements outlined within this bid package

10. Site Access Requirements

Subcontractor must conduct a 50-state background check and e-verify compliance for all personnel associated with the project

a. Submit completed Exhibit L—Lunsford Act & E-verify documentation to Construction Manager for Owner review and approval in advance of worker arriving on-site; same day approval **cannot** be granted.
b. All personnel, while on-site, must wear a plastic laminated photo identification badge that identifies person's name and employer. Badges are to be computer produced with a font large enough to be clearly visible. The ID badge template will be made available to successful prime contractors. All costs associated with criminal background checks, e-verification and ID Badging are the responsibility of each Subcontractor.
c. This a contractual requirement applicable to all personnel and all lower-tier subcontractors. Delivery drivers may be exempt with prior written approval from Construction Manager; submit request in advance.
d. Construction Manager and Owner reserve their right to deny any individual access to job-site for any reasonable condition

11. Special Inspections are required on this project
    a. Refer to Specifications and Drawings for schedule of special inspection as well as any other applicable specifications sections
    b. Coordinate with special inspector, testing agencies, local inspectors and/or Engineer of Record as may be required
    c. Include all associated cost to participate and support Special Inspections
12. Forklifts will not be allowed on finished slab on grade areas:
    a. Feed materials from the exterior
    b. Utilize pallet jacks to feed materials on finished slab areas where feeding from exterior is not feasible

c. Scissor lifts and other non-marking equipment may be allowed upon review of Subcontractor's erection plan with Construction Manager and receipt of written authorization thereof

13. Wash out all concrete materials in washout location, see Site Logistics Plan
    a. Maintain washout as needed for removal of concrete materials
    b. Consolidate all concrete rubble to a central point as directed by Construction Manager for removal by BP-31A Turnkey Site
    c. General waste construction container is not suitable for concrete waste disposal
14. Permanent roads will be expedited along with temporary drive and laydown areas shown on Site Logistics Plan
    a. Subcontractor shall take special care to stay on temporary drives during inclement weather
15. Subcontractor shall repair all land disturbances caused by equipment under this bid scope regardless of wet/dry conditions to include, but not limited to, repair of rutting, damages to erosion control measures, damage to temporary or permanent roads, curbing, etc.
    a. Restore all disturbed areas to equal or better condition than original
16. Provide all traffic control, flagging, guides, signage, etc. as required for this scope
17. Maintain all roads, streets, parking, etc. free and clear of any mud or debris created by this trade and its deliveries; clean-up shall occur immediately
    a. Sufficient personnel & equipment shall be on-site at all times to expedite this work
    b. Spillage of water, materials, etc. in public traffic areas shall be immediately cleaned
18. Inspect all substrates and conditions for suitability to receive work under this scope prior to starting work
    a. Advise Construction Manager immediately in writing of any deficiencies or issue
    b. Commencement of work guarantees acceptance of conditions
19. Daily clean-up of all trash and debris caused by this work
20. Furnish all ladders, lifts, shoring, scaffolding, etc. as required for this work
21. Furnish all supplemental lighting and power as required for this scope
22. Include field measure of all work in this bid scope prior to fabrication
23. Include all necessary mobilizations, multiple crews and equipment, night and weekend shifts as required or directed by Construction Manager to complete the work
24. Protect all work under this scope from damage until accepted by Owner
    a. Protect adjacent surfaces from damage by this scope of work. Any damage to adjacent surfaces or work during execution of this scope shall be repaired or replaced by this Subcontractor at no additional cost to Construction Manager
    b. Repairs shall be finished to match existing or adjacent construction
    c. Patch and repair all building finishes, structural components or other appurtenances that are removed or damaged as a result of performance of this scope. Repair work shall include finishes, components, substructure and materials required for the installation of such work in accordance with standard practices and shall be finished to match existing or adjacent conditions.
    d. Protect roadways and parking areas from damage caused by loading, unloading & staging of materials and equipment, hoisting & lifting activities, cranes, etc. All repair costs shall be borne by subcontractor responsible for said damages.

25. Subcontractor is responsible for all corrective repairs resulting from its defective workmanship
26. All corrective and repair work shall be performed within 24-hours after notification and shall be accepted prior to payment issuance to Subcontractor for said work performed
27. OSHA Safety measures shall be required and implemented
    a. Delivery drivers shall wear proper PPE while on site (staging, off-loading, etc.)
28. Project planning, to include, but not limited to
    a. Participation in development of Master Construction Schedule
    b. Submit a Job Hazardous Analysis (JHA) for each definable feature of work in advance of work start
    c. Participation by foreman and all workers in a Preparatory Meeting to review JHA, safety requirements, proposed work, approved submittals and other applicable construction documents prior to starting work
29. Provide all warranties, guarantees, extended service agreements, training, etc. as required
30. Pricing is firm, not subject to escalation for duration of project

SPECIFIC EXCLUSIONS

1. Firestopping of plumbing penetrations is excluded from this bid scope. Subcontractor is responsible for all coordination, sleeving and preparation of all plumbing penetrations with firestopping contractor.
2. Caulking of fixtures is excluded from this bid scope and will be provided under BP-07D, Caulk & Sealants
3. Temporary and permanent water usage costs are excluded from this bid scope

ALLOWANCES

1.	Unsuitable soils (Trench) removal & disposal OFF-SITE	**25 CY**
2.	Replacement of unsuitable soils (Trench) with select import fill	**25 CY**
3.	Replacement of unsuitable soils (Trench) with #78 stone	**20 Tons**

UNIT PRICES

UP-01	Unsuitable soils (Trench) removal and disposal OFF-SITE	**$ / CY**
UP-02	Replacement of unsuitable soils (Trench) with select import fill	**$ / CY**
UP-03	Replacement of unsuitable soils (Trench) with #78 stone	**$ / Ton**

ALTERNATES

Alternate W-2, Pre-engineered Metal Canopies, if selected by Owner, shall include any specific or special requirements, above and beyond that of the base bid, to support the indicated Alternate scope:

- **Base Bid:** Provide a complete installation of the structural framed, metal deck and membrane roof canopies (Main Bus Students & East Canopies) as required to support the project
- **Alternate:** Provide a complete installation of pre-engineered metal canopies (Main Bus Student & East canopies) as indicated in lieu of base bid structural-framed canopies:
    - **BP-22A:**

        - Delete interior roof drains and associated piping as indicated
        - Adjustment, if any, associated with roof drainage collection piping as indicated
            - Include piping within downspout columns as indicated
            - Refer to Detail 3-3/S2.04 and Drawing P-102
            - Column cutouts and associated grouting of pipe & column are provided under BP-07C
- If there is no cost difference between Base Bid and Alternate, then Alternate W-2 bid shall be “No Cost”; otherwise, indicate the net cost difference to provide Alternate scope
- Include all requirements outlined within this bid package

Subcontractor Scope of Work
Exhibit A

Waccamaw K-2 Building Replacement
Job No. 1952

BP 23A - HVAC

This bid package is intended to be complementary to the Contract Documents including the Project Drawings, Specifications, Addendum, and Project Manual. Subcontractor acknowledges that the Subcontractor Specific Requirements are not intended to describe the complete and final work scope. Reference is made to the Specifications Sections, but is in no way intended to limit or alter the intent of the contract documents.

Subcontractor shall perform all work and shall furnish all layout, supervision, materials, labor, scaffolding, tools, equipment, supplies, services, rigging, craning and hoisting of all materials and equipment, temporary protection of own work, coordination of own work and interaction of work of others, home office and field administration, project management, scheduling, field supervision, engineering, quality control, safety, taxes, insurances, permits, punch list, closeouts and all other things necessary or reasonably incidental for the construction and completion of their work as portrayed in the enclosed enumerated contract documents and specification sections as referenced below:

SUBCONTRACTOR'S WORK SPECIFICALLY INCLUDES:

Bordeaux Bidding Requirements and Information 4/27/2020

Division 01 – General Requirements		
Division 08 – Openings		
Section 083113	Access Doors & Frames	(as it applies to this scope)
Division 22 – Plumbing		(as it applies to this scope)
Division 23 – Mechanical		
Division 26 – Electrical		(as it applies to this scope)

All Related Sections/Requirements referenced within each Division and/or section

SUBCONTRACTOR SPECIFIC REQUIREMENTS:

1. <u>Payment and performance bond are required for this bid scope. Cost of payment and performance bonds are included in the base bid price.</u>
2. BP-01 General Inclusion Items as applicable to complete Work
3. The on-site foreman or superintendent for this work scope shall have a cellular service enabled iPad with iOS 10.2.1 or later and equipped with a durable LifeProof protective case or equivalent. The iPad shall have the latest version of the Procore Construction Management Software application installed in order to have all live project documents, drawings, submittals, etc. in hand and immediately accessible.
4. This project will utilize Building Information Modeling to facilitate the preparation of coordinated shop drawings. Participation in the BIM model is a requirement of this bid

package. Reference Bid Package BP-01 General Inclusions of the bid manual and Exhibit M for detailed BIM requirements for this project

5. Complete installation of work in this bid scope in accordance with all local, state and federal (OSHA) safety regulations and/or requirements
6. Complete HVAC and Mechanical installation as outlined in the construction documents and within this scope package
7. Dispose of all trash and waste materials in dumpster provided by Construction Manager
    a. Cardboard packaging is to be recycled as part of this scope of work; general construction waste container is not suitable for this use
    b. Piping and ductwork removed under this bid scope shall be hauled off-site and legally disposed of under this bid package
8. The following is a general outline of the items specifically included, but not limited to, in this bid scope:
    a. Complete mechanical systems to include installation of equipment, terminal units, dampers, sleeves, pumps & piping, ductwork, insulations & protective coverings, identifications, controls systems, associated conduit & conductors, devices, supports, hangers, angles, Unistrut, anchors bolts, etc.:
        i. Packaged Heat Pump Units
        ii. Ductless Split System Heat Pump Units
        iii. Fans and Ventilators
        iv. Ductwork
            1. Install duct detectors provided under BP-26A; coordinate location and installation with electrician and fire alarm contractors
            2. Furnish & Install access doors for dampers, duct detectors, etc. as required
            3. Label all access doors
        v. Grilles, Registers & Diffusers
            1. Include additional wire supports for grilles, dampers, etc. as required to meet code
                a. Wires to be supported only from structure
                b. Do not attach wires to supports intended for equipment (duct, pipe, grilles, etc.) or light fixtures
            2. Install new grilles, registers and diffusers in acoustical ceilings scheduled for replacement regardless if indicated
                a. Match size & type
        vi. Dampers (manual, balancing, smoke/fire, motorized, backdraft, etc.)
            1. Label all access doors
        vii. Include all roof curbs, duct supports, equipment supports, pipe supports, roof sleeves, vents, etc. as required for this scope
            1. Coordinate locations & sizes of roof curbs with BP-07C Roofing and BP-05A Structural Steel
            2. Mechanical contractor shall include any cutting of the metal deck for access through any roof curb
            3. Install wood blocking under curbs, supports, etc. installed under this bid scope as required

4. Curbs to be seismic designed where specified
5. Saw cut all roof deck openings as part of this bid package
6. Insulate space between deck and unit where possible
7. Curbs to be of sufficient height to provide a minimum clearance of 12" between finished roof surface and roof equipment
8. Include securing Ductless Heat pump units as required
    a. Refer to Detail A/M-501

viii. Include all condensate drain piping, pans, pipe supports, splash blocks, etc. for equipment provided

ix. Include all delegated-design requirements

b. Complete Building Automation System
    i. All cabling to be Plenum-rated
    ii. Provide all relays and monitoring modules for communication with FA system
    iii. Connect to existing BAS as required
    iv. Include all delegated-design requirements
c. Complete Certified Test & Balance
    i. Certified Test and Balance (TAB) is included in this scope as specified
    ii. Test and Balance of all Domestic Water Systems installed under BP-22A is included in this bid package
    iii. It is the intent to have a single source 3rd party TAB firm complete Test and Balance of all mechanical and domestic water as specified
d. Construction Layout
    i. Coordinate, layout and install sleeves, dampers and other requirements for mechanical penetrations during construction of walls
        1. Coordinate with BP-04A masonry and BP-09A GWB as required
        2. Any penetration missed or incorrectly located will be corrected at subcontractor's expense
    ii. Contractor shall coordinate and assist in the layout of any house-keeping pads required for HVAC equipment
        1. Housekeeping pads will be provided under BP-03A Turnkey Concrete or BP-31A Turnkey Sitework as applicable
        2. Furnish and install any precast pads for HVAC equipment
e. Additional Requirements:
    i. Install all identification to include stenciling, stencil painting, pipe markers, tagging, name plates, jacketing, etc. as required
    ii. BP-26A Electrical to furnish & install motor starters, disconnects switches and combo starters for HVAC equipment under this bid scope, unless otherwise specified or indicated within the Construction Documents:
        1. Items marked "Provide with unit" are to be furnished & installed by under this bid scope
        2. Furnish & install all VFD/VSDs, interconnect wiring, controls, etc. as required for equipment furnished under this scope
            a. Protect VFD/VSDs from dust infiltration until Owner acceptance; clean VFD/VSDs at Owner acceptance

b. Change filter media as required or directed by Construction Manager

iii. Provide factory testing, start-up services and training as required for this scope

iv. Include all access doors & frames as required for this scope
    1. Installation in GWB by BP-09A Drywall
    2. Location of access doors shall be coordinated with BP-09A Drywall prior to framing starting
    3. Label all access doors

v. Protect ductwork from infiltration of dust & debris
    1. Clean ductwork as required prior to testing and Owner acceptance
    2. Duct must be sealed when delivered and stored on dunnage
    3. Installed duct must be sealed at the end of each day
    4. Construction Manager reserves the right to reject any duct found un-protected

vi. Furnish & install all louvers and vents to include sheet metal flashings, trim and sealants as required for this scope
    1. Provide custom color as selected by Owner at no cost to the project
    2. Include motorized dampers, controls, interlock & low voltage wiring and raceways between control panel, fans, devices and louvers
    3. Louvers in doors provided under BP-08C Doors & Hardware

vii. Include all interior backflow devices required under this scope
    1. Provide certification for all backflow devices installed by this scope
    2. A representative certified in backflow prevention assembly in the state of North Carolina and acceptable to Owner must be employed for this work

viii. Include all required vibration isolation, pipe expansion supports, etc. as required

ix. Include seismic design and bracing as required to meet seismic zone for this project

x. Clean, prepare, prime and paint all piping, ductwork, conduit, steel supports, hangers and other mechanical items installed under this scope in accordance with contract requirements

xi. Furnish & install all sleeves for this scope

xii. Include flushing, chlorination, testing and certification of systems as required

xiii. Participate in mock-ups as required

xiv. Include power wiring from disconnect to within the mechanical equipment and additional power wiring associated with the equipment that is not specifically shown on the electrical drawing

xv. Furnish & install conductor identification materials as specified for all control raceway and mechanical piping run under this bid package. Provide permanent color pigmented conduit in all areas above ceiling

xvi. Secure rooftop equipment as required

xvii. All actuators and valves shall be rated for the environmental conditions they are installed

xviii. Include final mechanical connections to all equipment, whether furnished or installed under this bid package

xix. Subcontractor shall submit a record of all HVAC and other system maintenance that has been performed between System Start-up and Owner acceptance
    1. Failure to do so will delay payments after 90% completion
    2. If no maintenance occurred, submit letter stating such

xx. Include all temporary and new permanent filters as required
    1. Replace permanent filters immediately prior to substantial completion
    2. Verify completion in writing to Construction Manager

xxi. Provide, maintain and remove temporary filter media on all return air ducts and grilles during construction
    1. Replace media when dirty or as directed by Construction Manager

xxii. Include all cost associated with extending warranties so the warranty requirement from the date of Owner Acceptance is maintained

xxiii. Coordinate with Commissioning Agent and participate as required in all commissioning activities and processes and comply with all requirements

xxiv. Coordinate work such that all HVAC Systems (equipment, ductwork, controls, FA, etc.) are ready for HVAC equipment startup to establish building climate control prior to scheduled start of interior finishes

xxv. Include all core drilling and saw cutting for any penetrations as required

xxvi. Broom clean roof after each day working on roof. HVAC contractor will be responsible for roof damage and discoloration from metal shavings or fasteners left on roof associated with HVAC or controls installation.

xxvii. Furnish & install all backflow prevention devices as required for this scope
    1. Provide certification for all backflow devices installed by this scope
    2. A representative certified in backflow prevention assembly in the state of North Carolina and acceptable to Owner must be employed for this work

xxviii. Include all associated cost to perform 3rd party spray testing of roof flashing & HVAC equipment according with AAMA 501.2 under this bid scope:
    1. **Test all** units: HVAC equipment (Roof top unit, split system condenser, make up air fan, kitchen hood, general exhaust fan, smoke exhaust fans, etc.)
    2. **Test all** inside and outside corners of roof flashing, roof transitions, curb flashings, etc.
    3. For spray testing of HVAC equipment, assume 2 hours of testing per unit
    4. Any retesting of failed tests will be paid for by the responsible subcontractor
    5. Submit qualifications of 3rd party spray testing firm prior to beginning. Self-performing spray testing will not be permitted

xxix. Unless noted in the "specific exclusion" of this bid package, provide all concrete materials as required for this scope of work

1. All exposed concrete shall be rubbed and patched as required to remove surfaces defects

xxx. Construction Manager will pay for all initial Building Permits and fees
   1. Subcontractor shall obtain and activate its respective permits
   2. Subcontractor shall be responsible for all re-inspection fees and associated costs

9. **Allowances**
   a. **Include all stated allowances outlined within this bid scope**
   b. Use of any allowance shall be as directed by Construction Manager and supported with sufficient documentation as required. Any work performed without prior written authorization will be considered as a requirement to complete the scope of work in this bid package and at no cost to the project
   c. Include an **Allowance** for additional BAS system training as directed by Construction Manager and based upon indicated Quantities and Unit Prices:
      i. Additional training is defined as that which is required over and above the allotted training hours specified within the bid package
      ii. Include all requirements outlined within this bid package
      iii. Include 5 hours for said work
10. **Site Access Requirements**

    Subcontractor must conduct a 50-state background check and e-verify compliance for all personnel associated with the project
    a. Submit completed Exhibit L—Lunsford Act & E-verify documentation to Construction Manager for Owner review and approval in advance of worker arriving on-site; same day approval **cannot** be granted.
    b. All personnel, while on-site, must wear a plastic laminated photo identification badge that identifies person's name and employer. Badges are to be computer produced with a font large enough to be clearly visible. The ID badge template will be made available to successful prime contractors. All costs associated with criminal background checks, e-verification and ID Badging are the responsibility of each Subcontractor.
    c. This a contractual requirement applicable to all personnel and all lower-tier subcontractors. Delivery drivers may be exempt with prior written approval from Construction Manager; submit request in advance.
    d. Construction Manager and Owner reserve their right to deny any individual access to job-site for any reasonable condition
11. Special Inspections are required on this project
    a. Refer to Specifications and Drawings for schedule of special inspection as well as any other applicable specifications sections
    b. Coordinate with special inspector, testing agencies, local inspectors and/or Engineer of Record as may be required
    c. Include all associated cost to participate and support Special Inspections
12. Forklifts will not be allowed on finished slab on grade areas:
    a. Feed materials from the exterior
    b. Utilize pallet jacks to feed materials on finished slab areas where feeding from exterior is not feasible

c. Scissor lifts and other non-marking equipment may be allowed upon review of Subcontractor's erection plan with Construction Manager and receipt of written authorization thereof

13. Wash out all concrete materials in washout location, see Site Logistics Plan
    a. Maintain washout as needed for removal of concrete materials
    b. Consolidate all concrete rubble to a central point as directed by Construction Manager for removal by BP-31A Turnkey Site
    c. General waste construction container is not suitable for concrete waste disposal
14. Provide all traffic control, flagging, guides, signage, etc. as required for this scope
15. Permanent roads will be expedited along with temporary drive and laydown areas shown on Site Logistics Plan
    a. Subcontractor shall take special care to stay on temporary drives during inclement weather
16. Subcontractor shall repair all land disturbances caused by equipment under this bid scope regardless of wet/dry conditions to include, but not limited to, repair of rutting, damages to erosion control measures, damage to temporary or permanent roads, curbing, etc.
    a. Restore all disturbed areas to equal or better condition than original
17. Maintain all roads, streets, parking, on-site and off-site roadways, etc. free and clear of any mud or debris created by this trade and its deliveries; clean-up shall occur immediately
    a. Sufficient personnel & equipment shall be on-site at all times to expedite this work
    b. Spillage of water, materials, etc. in public traffic areas shall be immediately cleaned
18. Inspect all substrates and conditions for suitability to receive work under this scope prior to starting work
    a. Advise Construction Manager immediately in writing of any deficiencies or issue
    b. Commencement of work guarantees acceptance of conditions
19. Daily clean-up of all trash and debris caused by this work
20. Furnish all ladders, lifts, shoring, scaffolding, etc. as required for this work
21. Furnish all supplemental lighting and power as required for this scope
22. Include field measure of all work in this bid scope prior to fabrication
23. Include all necessary mobilizations, multiple crews and equipment, night and weekend shifts as required or directed by Construction Manager to complete the work
24. Protect all work under this scope from damage until accepted by Owner
    a. Protect adjacent surfaces from damage by this scope of work. Any damage to adjacent surfaces or work during execution of this scope shall be repaired or replaced by this Subcontractor at no additional cost to Construction Manager
    b. Repairs shall be finished to match existing or adjacent construction
    c. Patch and repair all building finishes, structural components or other appurtenances that are removed or damaged as a result of performance of this scope. Repair work shall include finishes, components, substructure and materials required for the installation of such work in accordance with standard practices and shall be finished to match existing or adjacent conditions.
    d. Protect roadways and parking areas from damage caused by loading, unloading & staging of materials and equipment, hoisting & lifting activities, cranes, etc. All repair costs shall be borne by subcontractor responsible for said damages.

25. Subcontractor is responsible for all corrective repairs resulting from its defective workmanship
26. All corrective and repair work shall be performed within 24-hours after notification and shall be accepted prior to payment issuance to Subcontractor for said work performed
27. OSHA Safety measures shall be required and implemented
    a. Delivery drivers shall wear proper PPE while on site (staging, off-loading, etc.)
28. Project planning, to include, but not limited to
    a. Participation in development of Master Construction Schedule
    b. Submit a Job Hazardous Analysis (JHA) for each definable feature of work in advance of work start
    c. Participation by foreman and all workers in a Preparatory Meeting to review JHA, safety requirements, proposed work, approved submittals and other applicable construction documents prior to starting work
29. Provide all warranties, guarantees, extended service agreements, training, etc. as required
30. Pricing is firm, not subject to escalation for duration of project

SPECIFIC EXCLUSIONS

1. Firestopping of mechanical penetrations is excluded from this bid scope. Fire dampers are not considered to be firestopping. Subcontractor is responsible for all coordination, sleeving, and preparation of all mechanical penetrations with firestopping subcontractor under bid package BP-07F Firestopping
2. Temporary and permanent electrical usage costs are excluded from this bid scope.
3. Housekeeping pads are excluded and provided by 03A Building Concrete or 31A Turnkey Sitework. Coordinate and verify layout of all pads with respective contractors prior to placement

ALLOWANCES

#1	Additional BAS training	**5 hours**

UNIT PRICES

UP-01	Training rate	**$ / hour**

ALTERNATES

Alternate W-1, Owner Preferred Brand – Controls System, <u>if selected by Owner</u>, shall include any specific or special requirements, above and beyond that of the base bid, to support the indicated Preferred Brand:

- **Base bid** includes complete controls installation as required to support the project
- **Alternate bid** includes complete controls installation required to support the project using **Schneider Electric BAS StruxureWare system** as the controls system
- Reference made to Building Automation System Specification 230900-1.8-A
- If Schneider Electric BAS StruxureWare system is apparent low controls system, Alternate bid shall be “No Cost”; otherwise, indicate the net cost difference to provide Owner Preferred Brand
- Include all requirements outlined within this bid package

Subcontractor Scope of Work
Exhibit A

Waccamaw K-2 Building Replacement
Job No. 1952

BP 23B - HVAC & Plumbing (Combo)

This bid package is intended to be complementary to the Contract Documents including the Project Drawings, Specifications, Addendum, and Project Manual. Subcontractor acknowledges that the Subcontractor Specific Requirements are not intended to describe the complete and final work scope. Reference is made to the Specifications Sections, but is in no way intended to limit or alter the intent of the contract documents.

Subcontractor shall perform all work and shall furnish all layout, supervision, materials, labor, scaffolding, tools, equipment, supplies, services, rigging, craning and hoisting of all materials and equipment, temporary protection of own work, coordination of own work and interaction of work of others, home office and field administration, project management, scheduling, field supervision, engineering, quality control, safety, taxes, insurances, permits, punch list, closeouts and all other things necessary or reasonably incidental for the construction and completion of their work as portrayed in the enclosed enumerated contract documents and specification sections as referenced below:

SUBCONTRACTOR'S WORK SPECIFICALLY INCLUDES ALL REQUIREMENTS OUTLINED BELOW:

- Bid Package 22A – Plumbing
- Bid Package 23A -- HVAC

Subcontractor Scope of Work
Exhibit A

Waccamaw K-2 Building Replacement
Job No. 1952

BP 26A - Electrical

This bid package is intended to be complementary to the Contract Documents including the Project Drawings, Specifications, Addendum, and Project Manual. Subcontractor acknowledges that the Subcontractor Specific Requirements are not intended to describe the complete and final work scope. Reference is made to the Specifications Sections, but is in no way intended to limit or alter the intent of the contract documents.

Subcontractor shall perform all work and shall furnish all layout, supervision, materials, labor, scaffolding, tools, equipment, supplies, services, rigging, craning and hoisting of all materials and equipment, temporary protection of own work, coordination of own work and interaction of work of others, home office and field administration, project management, scheduling, field supervision, engineering, quality control, safety, taxes, insurances, permits, punch list, closeouts and all other things necessary or reasonably incidental for the construction and completion of their work as portrayed in the enclosed enumerated contract documents and specification sections as referenced below:

SUBCONTRACTOR'S WORK SPECIFICALLY INCLUDES:

Bordeaux Bidding Requirements and Information 4/27/2020

Division 01 – General Requirements		
Division 03 – Concrete		(as it applies to this scope)
Division 07 – Thermal & Moisture Protection		
Section 079200	Joint Sealants	(as it applies to this scope)
Division 08 – Openings		
Section 083113	Access Doors & Frames	(as it applies to this scope)
Division 22 – Plumbing		(as it applies to this scope)
Division 23 – HVAC		(as it applies to this scope)
Division 26 – Electrical		(Complete)
Division 27 – Communications		(Complete)
Division 28 – Electronic Safety and Security		(Complete)
Division 31 – Earthwork		(as it applies to this scope)

All Related Sections/Requirements referenced within each Division and/or section

SUBCONTRACTOR SPECIFIC REQUIREMENTS:

1. Payment and performance bond are required for this bid scope. Cost of payment and performance bonds are included in the base bid price.
2. BP-01 General Inclusion Items as applicable to complete Work

3. The on-site foreman or superintendent for this work scope shall have a cellular service enabled iPad with iOS 10.2.1 or later and equipped with a durable LifeProof protective case or equivalent. The iPad shall have the latest version of the Procore Construction Management Software application installed in order to have all live project documents, drawings, submittals, etc. in hand and immediately accessible.
4. This project will utilize Building Information Modeling to facilitate the preparation of coordinated shop drawings. Participation in the BIM model is a requirement of this bid package. Reference Bid Package BP-01 General Inclusions of the bid manual and Exhibit M for detailed BIM requirements for this project
5. Complete installation of work in this bid scope in accordance with all local, state and federal (OSHA) safety regulations and/or requirements
6. Complete electrical installation as outlined in the construction documents and within this scope package to include all insurances and taxes
7. Dispose of all trash and waste materials in dumpster provided by Construction Manager
    a. Cardboard packaging is to be recycled as part of this scope of work; general construction waste container is not suitable for this use
8. The following is a general outline of the items specifically included, but not limited to, in this bid scope:

    a. Complete termination of existing Electrical, Fire Alarm, Communication, CCTV, PA, Access Control/Card Reader, Security and other systems as required
        i. Cut cap and make safe all systems in existing Building C prior to related demo work
            1. Coordinate with all respective trades and demo contractor
            2. Demolition of building and all contents within by others
        ii. Refer to Drawing E-011 for additional information
        iii. Coordinate with utility company as required
            1. Termination of primary electrical power at transformers
            2. Removal, salvage and reinstallation of two transformers
            3. Removal, salvage and reinstallation of two site lights
    b. Complete Site Electrical work
        i. Relocation of two pole-mounted site lights
            1. Include all cost associated with relocation of two existing site lights
            2. Coordinate with BP-31A Sitework and utility company for relocation of site lights
            3. Include all required conduit, raceway, hand-holes, wiring and pole bases for site lighting as required
        ii. Relocation of existing Primary Transformers
            1. Include all cost associated with installation of new service to Electrical Room 109 to include concrete duct bank and/or conduit
            2. Coordinate with BP-31A Sitework and utility company for relocation of two existing transformers
            3. Coordinate transformer pad requirements with local utility provider
                a. Include all cost associated with transformer pads

iii. Include all required conduits and pull strings for utility company to connect to transformers, ductbank, site lighting, etc.
iv. Include all underground sleeves for utility company crossing pavements and gravel drives
v. Include all required raceways and spares, pull strings and associated conductors from utility transformer into building electrical room
vi. Include cost to excavate, form and place concrete for required duct banks
    1. Include red-color concrete
vii. Include all conduit, innerduct, pull strings, etc. from existing building systems to Electrical & IT Rooms; refer to Drawing E-011
viii. Include conduit to utility transformer for pulse meter
ix. Include all required conduit, wiring and tamper switches to BFP/RPZ and PIV
x. Provide electrical power to utility hot boxes for heat strips/heaters, even though not indicated
xi. Include all excavation, backfill and compaction requirements

c. Complete Electrical Power Distribution Systems
    i. Switchgear, Switchboards, Transformers, ATSs, ECBs
    ii. Panelboards, conduit, conductors, devices, trims, cable tray
    iii. Complete factory testing, start-up services, commissioning testing and training as required for this scope
        1. Include all associated costs of required visits to witness factory testing for specification compliance
    iv. Coordinate with BAS to support power metering as required
    v. Complete Surge Suppression/Protection as required
    vi. Complete Grounding System as required
    vii. Coordinate with BP-08C Doors & Hardware for power and low-voltage wiring requirements
d. Complete Coordination Studies
    i. Contractor to include delegated design and scope for Overcurrent Protective Device and Arc Flash Coordination Study, Short Circuit Study, Overcurrent Protective Device Coordination Study, and Overcurrent Protective Device Arc-Flash Study
e. Complete Lighting and Controls
    i. Furnish & install all raceway, wiring, cabling, devices, relays, controllers, etc. and fixtures for a complete lighting system
    ii. Use non-marking or non-staining hand protection when handling and cleaning fixtures
    iii. Clean fixtures prior to Final Acceptance
    iv. Make final adjustments to timing switches and sensors as required
    v. Provide on-site assistance to Owner at six months from date of Final Acceptance to make any adjustments to lighting system
        1. Include two after-hours sessions for this purpose
f. Complete Cable Tray
    i. Furnish & install all cable tray as outlined in construction documents
g. Complete Fire Alarm system

i. Furnish & install all raceway, wiring & devices for a complete Fire Alarm system to include a remote annunciator panel
ii. Make connections to existing FA System as indicated on Drawing E-011
iii. Update FA programming of primary FACP as required
iv. Include all fire alarm wiring for tamper, flow, duct detectors, etc. shall be wired into fire alarm system under this bid package
v. Furnish all required fire alarm devices including tamper and flow sensors to utility and fire sprinkler contractors for installation
vi. Provide framed Device Map

h. Complete Communication (Data/Telecom) system
i. Furnish & install all raceway, wiring, cabling & devices for a complete Communication system
ii. Furnish & install telecommunication room equipment racks & cabinets, cable tray, cable support, power strips, grounding and UPS
iii. Furnish & install all fire-rated plywood backboards for panels, data racks, electrical panels, etc.
iv. Make connections to existing Communication System as indicated on Drawing E-011
v. Update Communication System programming as required

i. Complete Security System
i. Furnish & install all raceway, wiring, cabling & devices for a complete Security system
ii. Make connections to existing Security System as indicated on Drawing E-011
iii. Update Security System programming as required
iv. Provide framed/laminated Zone List & Device Map as required

j. Complete PA System
i. Furnish & install all raceway, wiring, cabling & devices for a complete PA system
ii. Make connections to existing PA System as indicated on Drawing E-011
iii. Update PA System programming as required

k. Complete CCTV system
i. Furnish & install all raceway, wiring, cabling & devices for a complete CCTV system
ii. Make connections to existing CCTV System as indicated on Drawing E-011
iii. Update CCTV System programming as required
iv. Provide framed/laminated Zone List & Device Map as required

l. Complete Access Control / Card Reader System
i. Furnish & install all raceway, wiring, cabling & devices for a complete access control system
ii. Make connections to existing Access Control System as indicated on Drawing E-011
iii. Update Control System programming as required

m. Complete Radio Frequency (RF) BDA-Based Signal Booster System

i. Include all cost associated with development of a design/plan to provide a new Radio Frequency (RF) BDA-Based Signal Booster System as specified to achieve the desired coverage within the new building as part of this scope
    1. Provide complete delegated design documents
    2. Design is to support VIPER network 700 & 800 MHz frequencies
    3. System shall be coordinated and integrated with Fire Alarm System
    4. Provide complete submittal information (device & equipment product data, shop drawings, design calculations, etc.)
ii. Include all cost to furnish labor, materials and equipment to install and implement the above developed plan/system
    1. Provide system compliance and acceptance documentation (Proof of Performance report, NFPA 72 & IFC510 documents, etc.)
    2. Provide complete closeout documentation
    3. All cabling must be plenum-rated

n. Construction Layout
    i. Complete layout of all electrical equipment, panel boards, conduits, underground, in-wall rough-in, etc. as required for this scope of work
    ii. Coordinate, layout and install sleeves for electrical penetrations through CMU walls. Electrical contractor is responsible for installation of all sleeves.
o. Complete Temporary Construction Electrical Services
    i. Provide temporary power and hookup to the CM Field Office and meeting trailers as coordinated with Construction Manager
        1. Temporary power to CM office trailer to be completed as early as possible
        2. Cost shall include initial installation cost, temporary electrical permit, meter pole and base, maintenance and removal
        3. Temporary usage costs are excluded from this bid scope
    ii. Furnish, install, maintain and remove at completion temporary electrical services to each work area
        1. Temporary power panels to have all GFIC breakers
        2. Coordinate routing of underground conduit for temporary electrical with Construction Manager
        3. Review weekly to insure safety compliance
        4. Conduct GFCI testing daily and document in field report to Construction Manager
p. Complete Temporary Construction Lighting
    i. Furnish, install, maintain and remove (when directed by Construction Manager) of all temporary lighting
        1. Temporary lighting shall be minimum 10fc; maintain minimum light levels throughout the project
        2. Review weekly to insure safety compliance
    ii. Fixtures salvaged for use as temporary lights shall be suspended on all four corners from structure
q. Complete underground interior and exterior excavation, backfill, compaction, etc.

i. Subgrade to be properly compacted, fine graded and left ready for concrete prep or sitework to commence
ii. Subcontractor is responsible for all soil compaction requirements associated with installation of its work

r. Complete Labeling and Identification
   i. Include all electrical labeling and identification requirements
   ii. Include all labeling and identification requirements for each system (FA, PA, CCTV, Card Access, RF-BDA, etc.) installed under this bid scope
   iii. Include all conductor identification materials as specified for all raceway run under this bid package including but not limited to: electrical, fire alarm, data, security, site, etc.
      1. Provide permanent color pigmented conduit in all areas above ceiling in lieu of vinyl identification
   iv. Include all device labeling and identification

s. Provide all required testing and record documentation to include, but not limited to:
   i. Conductor and Megger testing
   ii. Grounding and Bonding
   iii. Transformers
   iv. Automatic Transfer Switches (ATS)
   v. Ground Fault, Arc Flash and Short-Circuit Studies
   vi. Communications backbone & horizontal cabling
   vii. FA System
   viii. RF-DBA System
   ix. CCTV, Security, PA, Card Access and other systems as required to document operational status

t. Allowances

General Notes:

a. Include all delegated design requirements
b. Include all seismic control requirements
c. Include all excavation, backfill and compaction requirements
d. Include all cost associated with demonstration of specification compliance to include associated repairs
   i. Subcontractor shall be responsible for all costs (initial testing, re-testing, corrective measures, repairs, etc.) at no additional cost to the project when its installation fails to meet compliance
   ii. Owner and Construction Manager reserve the right to request additional testing in the event of significant or continual test failures
   iii. Coordinate with Construction Manager for scheduling of inspections
e. Building and Trade permits will be provided by Owner thru Construction Manager
   i. Subcontractor shall obtain and activate its respective permits
   ii. Subcontractor shall be responsible for all re-inspection fees and associated costs

f. Coordinate work such that building permanent power/wiring distribution is ready for provide power for HVAC equipment startup to establish building climate control. Ensure permanent lighting systems are ready at the time of starting interior finishes.
g. Provide adequate manpower for running of electrical raceway within masonry construction. Electrical crews shall work same hours as masonry contractor as required for weather, regardless of schedule of electrical work, during CMU masonry installation.
h. Include all grounding and bonding work (bonding to foundation, fire suppression, electrical static dissipative (ESD) tile, fencing, etc.) with associated test reports as required for the project
i. Provide power to all equipment including final connections that is furnished by others which requires power (i.e. doesn't plug in) including, but not limited to plumbing equipment, HVAC equipment, Food Service Equipment, Division 10, Division 11, kitchen hood, laundry equipment and fire suppression system
j. Electrical contractor shall coordinate all breaker sizes with food service and other equipment prior to ordering. No additional cost will be allowed for breaker sizes ordered incorrectly.
k. Furnish & install motor starters, disconnects switches and combo starters for HVAC and Plumbing equipment under this bid scope or indicated within the Construction Documents
    i. Items marked "Provided with unit" are to be furnished & installed under BP-23A Mechanical or BP-22A Plumbing as noted
l. For all electrical and starters for roof top equipment that cannot be mounted on individual equipment, provide rack-style frame for mounting all roof top equipment, disconnects, starters, etc.
    i. Rack shall consist of (2) 2" galvanized steel pipe supports with screw on caps connected to bar joist structure prior to roofing
    ii. Provide galvanized Unistrut support between pipe supports to mount starters and disconnects
    iii. Roofer shall flash in pipe supports
m. Final cleaning of all electrical work is included in this scope
n. Broom clean roof after each day working on roof. Electrical contractor will be responsible for roof damage and discoloration from metal shavings or fasteners left on roof associated with Electrical installation.
o. Unless specifically noted in the "Specific Exclusions" of this bid package, provide all concrete materials as required for this scope of work inclusive of any layout, forming, excavation, concrete placement equipment, etc.
    i. All exposed concrete shall be rubbed and patched as required to remove surfaces defects

Allowances

Include all allowances outlined within this bid package

Use of any allowance shall be as directed by Construction Manager and supported with sufficient documentation as required. Any work performed without prior written

authorization will be considered as a requirement to complete the scope of work in this bid package and at no cost to the project

a. Include as **Allowances for designated scope and quantity**, installed as directed by Construction Manager and shall be based upon indicated Quantities and Unit Prices:

Allowances #1 thru #3 as indicated:

a. Allowances shall include all associated cost for purchase of materials, transportation, placement, compaction and quantity verification:

#1--Unsuitable soils (Trench) removal & disposal **OFF-SITE**	**25 CY**
#2--Replacement of unsuitable soils (Trench) with select import fill	**25 CY**
#3--Replacement of unsuitable soils (Trench) with #78 stone	**20 Tons**

b. Allowances to include all requirements outlined within this bid package

b. Include as **Allowances for designated scope and quantity**, installed as directed by Construction Manager and shall be based upon indicated Quantities and Unit Prices:

Allowances #4 thru #9 as indicated:

a. Furnish and install specified fixture with 100' of conduit and wire inclusive of all required boxes, hangers, supports, terminations, programming, testing, etc:

#4 Horn Strobe; **three (3) each**
#5 Exit Light; **three (3) each**
#6 Smoke Detector; **three (3) each**
#7 Duplex Outlet; **three (3) each**
#8 Data outlet; **three (3) each**
#9 Duct Detector; **three (3) each**

b. Allowances to include all requirements outlined within this bid package

9. Site Access Requirements

Subcontractor must conduct a 50-state background check and e-verify compliance for all personnel associated with the project

a. Submit completed Exhibit L—Lunsford Act & E-verify documentation to Construction Manager for Owner review and approval in advance of worker arriving on-site; same day approval **cannot** be granted.
b. All personnel, while on-site, must wear a plastic laminated photo identification badge that identifies person's name and employer. Badges are to be computer produced with a font large enough to be clearly visible. The ID badge template will be made available to successful prime contractors. All costs associated with criminal background checks, e-verification and ID Badging are the responsibility of each Subcontractor.
c. This a contractual requirement applicable to all personnel and all lower-tier subcontractors. Delivery drivers may be exempt with prior written approval from Construction Manager; submit request in advance.
d. Construction Manager and Owner reserve their right to deny any individual access to job-site for any reasonable condition

10. Special Inspections are required on this project
    a. Refer to Specifications and Drawings for schedule of special inspections as well as any other applicable specifications sections

b. Coordinate with special inspector, testing agencies, local inspectors and/or Engineer of Record as may be required
c. Include all associated cost to participate and support Special Inspections

11. Forklifts will not be allowed on finished slab on grade areas:
    a. Feed materials from the exterior
    b. Utilize pallet jacks to feed materials on finished slab areas where feeding from exterior is not feasible
    c. Scissor lifts and other non-marking equipment may be allowed upon review of Subcontractor's erection plan with Construction Manager and receipt of written authorization thereof
12. Wash out all concrete materials in washout location, see Site Logistics Plan
    a. Maintain washout as needed for removal of concrete materials
    b. Consolidate all concrete rubble to a central point as directed by Construction Manager for removal by BP-31A Turnkey Site
    c. General waste construction container is not suitable for concrete waste disposal
13. Provide all traffic control, flagging, guides, signage, etc. as required for this scope
14. Permanent roads will be expedited along with temporary drive and laydown areas shown on Site Logistics Plan
    a. Subcontractor shall take special care to stay on temporary drives during inclement weather
15. Subcontractor shall repair all land disturbances caused by equipment under this bid scope regardless of wet/dry conditions to include, but not limited to, repair of rutting, damages to erosion control measures, damage to temporary or permanent roads, curbing, etc.
    a. Restore all disturbed areas to equal or better condition than original
16. Maintain all roads, streets, parking, etc. free and clear of any mud or debris created by this trade and its deliveries; clean-up shall occur immediately
    a. Sufficient personnel & equipment shall be on-site at all times to expedite this work
    b. Spillage of water, materials, etc. in public traffic areas shall be immediately cleaned
17. Inspect all substrates and conditions for suitability to receive work under this scope prior to starting work
    a. Advise Construction Manager immediately in writing of any deficiencies or issue
    b. Commencement of work guarantees acceptance of conditions
18. Daily clean-up of all trash and debris caused by this work
19. Furnish all ladders, lifts, shoring, scaffolding, etc. as required for this work
20. Furnish all supplemental lighting and power as required for this scope
21. Include field measure of all work in this bid scope prior to fabrication
22. Include all necessary mobilizations, multiple crews and equipment, night and weekend shifts as required or directed by Construction Manager to complete the work
23. Protect all work under this scope from damage until accepted by Owner
    a. Protect adjacent surfaces from damage by this scope of work. Any damage to adjacent surfaces or work during execution of this scope shall be repaired or replaced by this Subcontractor at no additional cost to Construction Manager
    b. Repairs shall be finished to match existing or adjacent construction

c. Patch and repair all building finishes, structural components or other appurtenances that are removed or damaged as a result of performance of this scope. Repair work shall include finishes, components, substructure and materials required for the installation of such work in accordance with standard practices and shall be finished to match existing or adjacent conditions.
d. Protect roadways and parking areas from damage caused by loading, unloading & staging of materials and equipment, hoisting & lifting activities, cranes, etc. All repair costs shall be borne by subcontractor responsible for said damages.

24. Subcontractor is responsible for all corrective repairs resulting from its defective workmanship
25. All corrective and repair work shall be performed within 24-hours after notification and shall be accepted prior to payment issuance to Subcontractor for said work performed
26. OSHA Safety measures shall be required and implemented
27. Delivery drivers shall wear proper PPE while on site (staging, off-loading, etc.)
28. Project planning, to include, but not limited to
    a. Participation in development of Master Construction Schedule
    b. Submit a Job Hazardous Analysis (JHA) for each definable feature of work in advance of work start
    c. Participation by foreman and all workers in a Preparatory Meeting to review JHA, safety requirements, proposed work, approved submittals and other applicable construction documents prior to starting work
29. Provide all warranties, guarantees, extended service agreements, training, etc. as required
30. Pricing is firm, not subject to escalation for duration of project

SPECIFIC EXCLUSIONS

1. Firestopping of electrical penetrations is excluded from this bid scope. Subcontractor is responsible for all coordination, sleeving, and preparation of all electrical penetrations with firestopping subcontractor under bid package BP-07E, Firestopping
2. Temporary and permanent electrical usage costs are excluded from this bid scope
3. Site lighting will be provided through utility company
4. Interior housekeeping pads are excluded from this bid scope and will be provided under BP-03A, Concrete Turnkey
5. HVAC Controls and raceway is excluded from this bid scope, provided under BP-23A HVAC

ALLOWANCES

1.	Unsuitable soils (Trench) removal & disposal OFF-SITE	**25 CY**
2.	Replacement of unsuitable soils (Trench) with select import fill	**25 CY**
3.	Replacement of unsuitable soils (Trench) with #78 stone	**20 Tons**
4.	Horn Strobe	**3 each**
5.	Exit Light	**3 each**
6.	Smoke Detector	**3 each**
7.	Duplex Receptacle	**3 each**
8.	Data Outlet	**3 each**
9.	Duct Detector	**3 each**

UNIT PRICES

UP-01	Unsuitable soils (Trench) removal and disposal OFF-SITE	**$ / CY**
UP-02	Replacement of unsuitable soils (Trench) with select import fill	**$ / CY**
UP-03	Replacement of unsuitable soils (Trench) with #78 stone	**$ / Ton**
UP-04	Horn Strobe	**$ / each**
UP-05	Exit Light	**$ / each**
UP-06	Smoke Detector	**$ / each**
UP-07	Duplex Receptacle	**$ / each**
UP-08	Data Outlet	**$ / each**
UP-09	Duct Detector	**$ / each**

ALTERNATES

Alternate W-2, Pre-engineered Metal Canopy for Bus Students, if selected by Owner, shall include any specific or special requirements, above and beyond that of the base bid, to support the indicated Alternate scope:

- **Base Bid:** Provide a complete installation of the structural framed, metal deck and membrane roof canopy for Bus Students as required to support the project
- **Alternate:** Provide a complete installation of a pre-engineered metal canopy to include delegated-design in lieu of base bid structural-framed canopy
- If there is no cost difference between Base Bid and Alternate, then Alternate W-2 bid shall be "No Cost"; otherwise, indicate the net cost difference to provide Alternate scope
- Include all requirements within this bid package

Alternate W-6, Owner Preferred Brand – Open Options Software Integration, if selected by Owner, shall include any specific or special requirements, above and beyond that of the base bid, to support the indicated Preferred Brand:

- **Base Bid:** Provide a complete card access control system installation as required to support the project
- **Alternate:** Provide a complete card access control installation using devices and electronic locks compatible with **Open Options Software** as required to support the project. Installation must fully integrate with Owner's existing **Open Options Software** access control system.
- If there is no cost difference between Base Bid and Alternate, then Alternate W-2 bid shall be "No Cost"; otherwise, indicate the net cost difference to provide Owner Preferred Brand
- Include all requirements within this bid package

Alternate W-7, Owner Preferred Brand – Video Insight CCTV System, if selected by Owner, shall include any specific or special requirements, above and beyond that of the base bid, to support the indicated Preferred Brand:

- **Base Bid:** Provide a complete CCTV system installation as required to support the project

- **Alternate:** Provide a complete **Video Insight** CCTV system installation as required to support the project. Installation must fully integrate with Owner's existing **Video Insight** CCTV system.
- If there is no cost difference between Base Bid and Alternate, then Alternate W-2 bid shall be "No Cost"; otherwise, indicate the net cost difference to provide Owner Preferred Brand
- Include all requirements within this bid package

Alternate W-8, Owner Preferred Brand – Notifier Fire Alarm System, if selected by Owner, shall include any specific or special requirements, above and beyond that of the base bid, to support the indicated Preferred Brand:

- **Base Bid:** Provide a complete fire alarm system installation as required to support the project
- **Alternate:** Provide a complete **Notifier** fire alarm system installation as required to support the project. Installation must fully integrate with Owner's existing **Notifier** fire alarm system.
- If there is no cost difference between Base Bid and Alternate, then Alternate W-2 bid shall be "No Cost"; otherwise, indicate the net cost difference to provide Owner Preferred Brand
- Include all requirements within this bid package

Alternate W-9, Owner Preferred Brand – Ademco 128FP Security System, if selected by Owner, shall include any specific or special requirements, above and beyond that of the base bid, to support the indicated Preferred Brand:

- **Base Bid:** Provide a complete security system installation as required to support the project
- **Alternate:** Provide a complete **Ademco** security system installation as required to support the project. Installation must fully integrate with Owner's existing **Ademco 128FP Security System**.
- If there is no cost difference between Base Bid and Alternate, then Alternate W-2 bid shall be "No Cost"; otherwise, indicate the net cost difference to provide Owner Preferred Brand
- Include all requirements within this bid package

Subcontractor Scope of Work
Exhibit A

Waccamaw K-2 Building Replacement
Job No. 1952

BP 31A - Site Turnkey

This bid package is intended to be complementary to the Contract Documents including the Project Drawings, Specifications, Addendum, and Project Manual. Subcontractor acknowledges that the Subcontractor Specific Requirements are not intended to describe the complete and final work scope. Reference is made to the Specifications Sections, but is in no way intended to limit or alter the intent of the contract documents.

Subcontractor shall perform all work and shall furnish all layout, supervision, materials, labor, scaffolding, tools, equipment, supplies, services, rigging, craning and hoisting of all materials and equipment, temporary protection of own work, coordination of own work and interaction of work of others, home office and field administration, project management, scheduling, field supervision, engineering, quality control, safety, taxes, insurances, permits, punch list, closeouts and all other things necessary or reasonably incidental for the construction and completion of their work as portrayed in the enclosed enumerated contract documents and specification sections as referenced below:

SUBCONTRACTOR'S WORK SPECIFICALLY INCLUDES:

Bordeaux Bidding Requirements and Information 4/27/2020

Division 01 – General Requirements
Division 02 – Existing Conditions (as it applies to this scope)
Division 03 – Cast-in-place Concrete (as it applies to this scope)
Division 22 – Plumbing (as it applies to this scope)
Division 26 – Electrical (as it applies to this scope)
Division 31 – Earthwork
Complete Division with exception of:
Section 313116 Termite Control (excluded from this scope)
Division 32 – Exterior Improvements
Section 321123 Aggregate Base Course
Section 321216 Bituminous Concrete Paving
Section 321313 Concrete Paving for Sidewalks
Section 321613 Concrete Curbing
Section 321723 Pavement Markings
Section 323113 Chain Link Fences & Gates (as it applies to this scope)
Section 329113 Soil Preparation
Section 329200 Plants
Section 329219 Seeding
Section 329223 Sodding

Section 329700 Landscape Maintenance and Warranty

Division 33 – Utilities

Section 334000 Storm Drainage Piping

Section 334600 Subdrainage

Section 334913 Manholes and Covers

All Related Sections/Requirements referenced within each Division and/or section

SUBCONTRACTOR SPECIFIC REQUIREMENTS:

1. Payment and performance bond are required for this bid scope. Cost of payment and performance bonds are included in the base bid price.
2. BP-01 General Inclusion Items as applicable to complete Work
3. The on-site foreman or superintendent for this work scope shall have a cellular service enabled iPad with iOS 10.2.1 or later and equipped with a durable LifeProof protective case or equivalent. The iPad shall have the latest version of the Procore Construction Management Software application installed in order to have all live project documents, drawings, submittals, etc. in hand and immediately accessible.
4. Complete installation of work in this bid scope in accordance with all local, state and federal (OSHA) safety regulations and/or requirements; OSHA Safety measures shall be required and implemented
5. Complete turnkey site work as outlined in the construction documents and within this scope package
6. The following is a general outline of the items specifically included, but not limited to:
    a. **Site Demolition** complete:
        i. Demolition of Building by BP-02A
            1. Foundations and utilities within the building limits to be removed by BP-02A
            2. Building site to be left graded to promote positive drainage by BP-02A
        ii. Remove the following to the limits as noted on Drawings
            1. Asphalt & pavements
            2. Site Concrete (sidewalks, pads, curbs, islands)
            3. Storm Drainage system
            4. Roof drainage collection system
            5. Site Utilities
                a. Domestic water lines
                b. Sanitary Sewer lines & septic tank
                    i. Include tank pumping and cleanout prior to demo
            6. Fence and gates
        iii. Include saw cut and square pavements, sidewalks and curbs as directed
        iv. Include all cost associated to cut, cap and make safe respective utilities prior to start of work
        v. Coordinate with electric utility company and BP-26A Electrical as required for:
            1. Reinstallation of two transformers
            2. Reinstallation of two site lights
        vi. Include all cost to establish the building pad and adjacent site

b. **Surveying** complete:
    i. Furnish all labor, materials, equipment, etc. as required to make a complete installation of all surveying requirements to include, but not limited to:
        1. Establish a minimum of two new permanent benchmarks
        2. Survey and establish Limits of Construction/Disturbance
        3. Survey and establish benchmarks and control lines for all buildings
        4. Survey and establish building corners (10' offset)
        5. Staking of sediment ponds, swells, ditches, etc.
        6. Staking for pavements (asphalt, concrete, curb & gutter)
        7. As-built survey of all anchor bolts and elevations
            a. Provide Survey to Construction Manager
            b. Notify immediately Construction Manager of all deviations from anchor bolt layout plan
        8. Final Site As-built Survey of Building
        9. As-built survey of all site utilities
        10. Certified survey and final property survey showing boundary lines, monuments, streets, improvements, grade contours, etc.
            a. Ref. Specifications 017300 – 3.4-C
    ii. Schedule work at the direction of the Construction Manager
    iii. Coordinate installation of benchmarks and control lines with Construction Manager. Notify Construction Manager immediately of any discrepancies
    iv. Provide As-Built Anchor Bolt Survey to Construction Manager; notify Construction Manager immediately of all deviations from anchor bolt layout plan
c. **Construction Layout** complete:
    i. Include cost for all construction layout and staking required to complete the work in this scope
    ii. Include cost to protect, transfer and maintain all staking installed by others. Re-staking costs will be borne by this Subcontractor
    iii. Benchmark elevations and CAD files will be provided for surveyors use
        1. Surveyor shall be a registered surveyor in the State of North Carolina
        2. Final as-built survey of Stormwater BMPs is <u>not</u> included in this survey requirement
d. **Earthwork** complete:
    i. Tree-protection fence
    ii. Site Grading
    iii. Screened Topsoil & fine grading of topsoil
    iv. Surveying, staking and layout for work included in this bid scope
    v. All erosion control measures & required maintenance including:
        1. Construction entrances
            a. Maintain as required or directed by Construction Manager
            b. Provide wash stations as required to maintain clean pavements
        2. Silt fence and Super silt fence; stone outlets
        3. Diversion Ditches
        4. Check dams

5. Rip Rap
6. Geotextile fabrics as required
7. Jute matting and other stabilization materials as required
8. Inlet protection
    a. Silt socks, stone, fabric, silt sacks, etc. as specified
    b. Protect new and existing structures whether indicated or not
9. Temporary seed
10. Inlet protection – silt socks, stone, fabric as specified
11. Temporary culvert protection

e. **Storm drainage and roof drainage systems** complete:
    i. All storm drainage piping
    ii. All storm drainage structures (catch basins, yard inlets, drop inlets; manholes, rings & covers)
    iii. Rip Rap
    iv. Bedding materials as required
    v. Concrete aprons & rings at cleanouts, valve boxes, inlets, etc.
    vi. Cleanouts as required
    vii. Roof drainage collection system
        1. Include all cleanouts for roof drainage system and connections
        2. Include all connections to roof drainage stub-outs installed by BP-22A Plumbing
        3. Include connection to canopy roof drainage downspouts as required
    viii. Include connection to Condensate Basin installed under BP-22A Plumbing as noted on Drawings C-3.0 & P-101 and Detail L/P-001
f. **Exterior Improvements** complete:
    i. Asphalt pavements
        1. Enlarge parking lot as required
        2. Include milling as required
        3. Include all pavement patching & repairs
        4. Include pavement overlayment as required
        5. Saw cut and square pavements as required
    ii. Aggregate Base Course
    iii. Striping, markings and signage
        1. Include restripe existing parking lot
        2. Include all traffic signage as indicated
        3. Include all concrete wheel stops as indicated
    iv. Site Concrete:
        1. Replacement and restoration of sidewalks and curbs
        2. All site sidewalks complete
            a. Include handicap ramps as required
            b. Include truncated domes as required
            c. Include ACO Klassikdrain and associated piping
        3. Include saw cut and square sidewalks and curbs as required
g. **Utilities** complete:
    i. Domestic Water to within 5’ of building

1. Include service saddle connection for domestic water
2. Include water meter setter, BFP device and associated hot boxes
3. Water meter installed by utility provider

ii. Fire line to 1' AFF in Sprinkler Riser/Mechanical Room
1. All valve boxes, meter boxes, hydrants, PIVs, etc. as indicated in contract documents; adjust as required to meet grades
2. All site hot boxes, tracer wire and heating elements in hot boxes
3. All on-site backflow devices
4. All joints are to be 100% restrained
5. Provide tamper switches and relays as required; final installation and terminations by others
6. All related signage (FDC, PIV, etc.) and markings as required
7. Conduits and pull strings for electrical and fire alarm installed under BP-26A Electrical; coordinate as required

iii. Sanitary Sewer to within 5' of building to include all manholes, cleanouts, etc.
1. Make necessary adjustments to cleanouts, ring & covers, valve boxes, inlet grates, etc. to meet grade
2. Install new septic tank complete
    a. Connect to existing service lines

iv. Temporary Construction
1. Provide domestic water service to Construction Manager's Field Office
2. Provide temporary water hook-up for masonry and general construction use; coordinate location with Construction Manager

h. Earthquake Drains complete

i. Furnish all labor, material, equipment, accessories, etc. to make a complete installation of the earthquake drain system

ii. Include Delegated-Design of the earthquake drain system
1. Include all associated cost to provide design, submittals, engineered sealed drawings, etc.
2. Drawings to be signed and sealed by a Professional Engineer licensed in North Carolina

i. **Landscaping complete**:

i. Relocate one Live Oak tree prior to Building demolition

ii. Install two Live Oak trees as indicated on Landscaping Plan

i. Include all fine grading and preparing of lawns areas

ii. Include all soil amendments for lawns, grasses and plant materials

iii. Include all fertilizers & lime; anti-desiccants & herbicides

iv. Include all final seeding

v. Include all exterior plant, shrub & tree materials

vi. Include initial maintenance

vii. Include all sod
1. Include sod within 10' of pavement edges, curbs, sidewalks and buildings
2. All disturbed lawn areas are to be restored with sod

3. Include all necessary watering and maintenance to promote establishment of lawn areas

viii. Include all mulch (hardwood & straw) & tacifier as required

ix. Include all turf renovation of all disturbed areas by this project

x. Include complete and full Landscape Maintenance & Warranty requirements

j. Allowances

i. Include all stated allowances as outlined within this bid package

k. Site Access Requirements

Subcontractor must conduct a 50-state background check and e-verify compliance for all personnel associated with the project

i. Submit completed Exhibit L—Lunsford Act & E-verify documentation to Construction Manager for Owner review and approval in advance of worker arriving on-site; same day approval cannot be granted.

ii. All personnel, while on-site, must wear a plastic laminated photo identification badge that identifies person's name and employer. Badges are to be computer produced with a font large enough to be clearly visible. The ID badge template will be made available to successful prime contractors. All costs associated with criminal background checks, e-verification and ID Badging are the responsibility of each Subcontractor.

iii. This a contractual requirement applicable to all personnel and all lower-tier subcontractors. Delivery drivers may be exempt with prior written approval from Construction Manager; submit request in advance.

iv. Construction Manager and Owner reserve their right to deny any individual access to job-site for any reasonable condition

7. <u>General Turnkey Site Requirements:</u>

a. Coordinate installation of work in this bid scope with local, state and federal requirements. All work shall be in accordance with all Brunswick County, NCDOT, OSHA, NCDENR, and NCDEMLR standards and specifications. Notify Construction Manager of any conflicts between specifications and Agency requirements prior to beginning work

b. Provide all excavation and earthwork in full compliance with OSHA trench and shoring requirements including any temporary shoring, benching, fall protection, egress requirements, etc.

c. Subcontractor shall provide and maintain a construction activity pollution prevention plan. Plan must be submitted to construction manager within 30 days from notice to proceed and documentation of plan execution will need to be submitted to construction manager with monthly pay application. At a minimum, plan shall address inspection and reporting requirements and procedures, construction entrance, surface stabilization, run off control, run off conveyance, outlet protection, inlet protection, sediment tramp installation and maintenance. Provide copies of all paperwork and reporting to Construction Manager on a weekly basis.

d. Complete and full compliance with underground location requirements as required by law:

i. Contact North Carolina 811 (aka "NC One Call") at least 72 hours prior to construction or excavation by dialing 811

ii. Provide Construction Manager with NC 811 locate ticket number prior to commencement of work
iii. Advise Construction Manager of any underground conflict with proposed work prior to commencement of work

e. Schedule is schematic in nature and will be adjusted once approved subcontractors are on board
f. All "local" dewatering measures as required for this scope; well pointing and other "whole site" dewatering methods are not anticipated
g. Restore all disturbed areas to equal or better condition than original
h. Daily clean-up of all trash and debris of the exterior site
i. Perform quality control testing to demonstrate compliance with contract documents in advance of Owner provided Third Party testing
    i. Cost of re-testing of Owner Third Party testing shall be borne by this Subcontractor as it relates to this scope of work
j. Include cost to haul off all concrete rubble, masonry rubble and footing spoils under this bid scope
    i. Concrete and masonry rubble will be provided to a central location by the mason and concrete contractors
    ii. Footing spoils will be provided to a central location by the footing contractor; footing spoils shall be assumed to be hauled off
k. Construct and maintain Concrete Washout locations
    i. Coordinate washout locations with Construction Manager
    ii. Install necessary identification signage as required
    iii. Include planned and periodic maintenance of washouts as required
    iv. Include removal and off-site disposal of concrete waste, materials and debris
l. Legally dispose of all concrete and asphalt waste materials and debris; general construction waste container is not suitable for this use

8. <u>Earthwork and Storm Drainage Requirements:</u>

a. Install, maintain and remove all erosion control measures per Plans and Specifications through the duration of the project
    i. Include all required inspections, documentation and maintenance of NCDENR requirements
    ii. Self-inspection report ("NCDENR log") for land disturbing activity as required by NCGS 113A-54.1 15A NCAC 04B .0131
    iii. Self-inspections shall be maintained on-site in Construction Manager's office
    iv. Restore site as required
b. Burning on site will not be permitted
c. Remove temporary erosion control measures as specified in erosion control phasing and with approval from Department of Natural Resources (DENR) inspector
d. After completion of the temporary sediment basin, install temporary seed and jute matting on all slopes of detention basin
e. Provide and maintain construction entrance(s) as indicated on the Site Logistics Plan and Project Documents. Construction entrance(s) to be maintained accessible to vehicular traffic, free from ruts, bumps, potholes, etc. for duration of the Work.

f. Subcontractor shall install jute matting on all slopes 2:1 or greater including erosion control ponds. Contractor shall include development of swales and corrugated drainage piping at the top of slopes greater than 4:1 to conduct water to bottom of slope.
g. Subcontractor acknowledges that there is no long-term storage on site available for surplus materials, topsoil, etc
    i. All materials shall be removed from the site at time of excavation
    ii. Location of any temporary stockpile shall be coordinated with Construction Manager prior to establishing stockpile
    iii. Temporary stockpiles shall not be located such that they delay construction of utilities, storm drainage, parking lots, access roads, etc.
    iv. Temporary stockpiles are granted approval at sole discretion of Construction Manager
h. Include cost to remove any contaminated stone from permanent drives used during construction and replace with salvaged stone in base bid
i. Include all necessary demolition to included, but not limited to, saw cut and removal of existing C&G, pavement, concrete sidewalk, storm drainage, fencing, fire hydrants, water lines, sewer lines, sewer lines, etc.
j. Include all necessary clearing, and stripping of site. Contractor may elect to chip stumps and utilize mulch for stabilization of slopes/areas as directed by construction manager
k. Provide dust control as necessary to complete this scope of work and as directed by Construction Manager
l. Comply with all notes on plans and specifications regarding land disturbing activities
    i. Provide all rough-grading and fine grading activities to within +/- 0.10'
    ii. Backfill and compaction in accordance with specifications
    iii. Provide proof roll of all structural areas including building pad, paving, fire lanes, etc.
    iv. Coordination with testing agency is included in this bid scope
    v. Materials testing is by Owner, however, Subcontractor is responsible for any re-testing due to failed tests caused by Subcontractor
m. Legally dispose of all exported materials and debris
n. Protect & seal exposed subgrades on a daily basis
o. Maintain positive drainage throughout project to eliminate and ensure no standing water on-site
p. All topsoil shall be screened
q. **Screened Topsoil requirement will be strictly enforced**. Subcontractor should include cost to material screen all topsoil on-site prior to installation. It is understood that the requirement for screened topsoil may be above requirements as indicated in the specification. At Subcontractor's option, import of off-site suitable screened material to specified depths may be utilized in lieu of on-site screening. Topsoil to be graded to +/- 0.10' and free of rocks, roots, trash or any other debris. While hand-raking, disking and any other methods of removing deleterious materials from topsoil are encouraged, they will not be acceptable as the sole source procedure for topsoil

preparation. Topsoil depth for all lawn areas to be 6"; maximum particle size ½" 100% passing.

r. Provide pre-cast "donuts" for any cleanouts provided under this bid scope
s. Backfill exterior perimeter of the foundation slab after completion of masonry. Masonry will be completed in phases; include all necessary mobilizations.
t. Backfill exterior footings as required to make project safe and in preparation for other work
u. Backfill curb and gutter and sidewalk immediately following completion of these trades, but no less than weekly during curb and gutter and sidewalk installation
v. Grading contractor shall keep adequate equipment and operator to ensure **positive drainage** from building and to keep ruts knocked down. Roll site smooth with a smooth drum vibratory roller. Frequency of site maintenance shall be prior to each rain event, but in no case occur less frequent than weekly.
w. Subcontractor shall include costs to flush out all storm drain lines of any sediment accumulated during construction. Care shall be taken to minimize sediment allowed to enter storm drain through use and rigorous routine maintenance of inlet protection under this bid scope. Notify Construction Manager prior to flushing
x. Include dewatering and removal of wet soils, mud, trash & debris, etc. as required to prepare masonry walls for backfilling

9. <u>Bituminous Asphalt Concrete Pavements Requirements:</u>

a. Adjust manhole covers, cleanouts, valve covers, etc. as required to ensure paving is flush
b. Traffic signage shall include all handicap signage, stop signs, yield signs, speed bumps, etc. inclusive of excavation, posts, hardware, installation, and concrete as required.
c. Include tack coat as specified at all pavement joints to existing pavement
d. Include tack coat, prime coat and herbicide treatment as required
e. Include cost to clean binder of all debris, mud, etc. as required to install final asphalt surface course; include tack coat as required
f. All pavement markings in Public Rights-of-Way shall be thermoplastic

10. <u>Site Concrete Requirements:</u>

a. Site concrete shall include required fine grading, stone base, reinforcement, forming, and finishing as specified
b. Include all fabrication, delivery, materials, and material handling (crane, pump, buggy) as required for the Work
c. Include all handicap ramps as required, even though not indicated
d. Include all truncated domes as required, even though not indicated
e. Coordinate troweled finish to broomed finish transition occurs under door frame & threshold. Include saw cut and/or removal and replacement of any concrete that does not occur under a frame or threshold (i.e. troweled finishes visible from the exterior will not be accepted)
f. Site concrete adjacent to buildings shall be held down ½" to ensure positive drainage away from building
    i. Coordinate exterior door transitions to ensure positive drainage from building
    ii. Care shall be taken to ensure concrete maintains ADA accessibility

iii. Remove and replace any concrete installed under this bid package without positive drainage or out of compliance with ADA

g. Provide concrete including all necessary admixtures and additives in compliance with specification and hot and cold weather concrete procedures including, but not limited to, water reducing admixture, hot water, cold water, ice, retardant, super-plasticizer, air entrainment, fly ash, etc.
h. Furnish any required concrete blankets or temporary heat for cold weather concrete. Review cold weather procedures with Construction Manager prior to all placements
i. Include void caps at all joints indicated to be caulked, especially between building and sidewalks

11. <u>Site Utility Requirements:</u>

a. Complete excavation, bedding course installation, concrete base supports and backfill per specification
b. Provide open cut and patch for all water, sewer and storm drainage crossings of public streets, roads and drives. Include costs for steel plates as required. Subcontractor may, at their option, jack and bore at no additional cost to the project. Coordinate connection with AHJ and Construction Manager
c. Provide all specified separations between sanitary sewers in relation to water and storm sewers. Notify construction manager immediately if any separations are not possible
d. Provide thrust restraints as specified for all work installed under this bid scope
e. Include concrete pads for any valve boxes, hot boxes or cleanouts installed under this bid scope
f. Connect to sanitary sewer stub outs by Plumbing Contractor. Include necessary coordination to include locating and connecting as part of this bid scope.
g. Provide detectable marking tape and wire as specified for all work as specified installed under this bid scope
h. Provide temporary metered water connection to Construction Manager Office. Remove temporary water at completion of project or as directed by Construction Manager. Usage fees paid for by Construction Manager
i. Include cost to provide and install “meter setter”, water meter and meter box in base bid
    i. Water meter and tap fees will be provided for by others
    ii. Meter shall be established in Construction Manager’s name unless otherwise directed
    iii. All temporary usage fees are paid by Construction Manager
j. Include flushing and chlorination of domestic potable water lines
    i. Provide bacteria test report for site water line
    ii. Dechlorination method to be approved by AHJ
    iii. Extend invitation to Construction Manager and fire protection contractor to witness flushing of domestic and fire lines
    iv. Provide NFPA 24 Certification at completion of site fire lines
    v. Provide pressure testing of domestic water lines to point of connection with plumbing contractor
k. Include certification for all backflow (RPZ/BFP) devices provided by this scope

i. A representative certified in backflow prevention assembly in the State of North Carolina and acceptable to Owner must be employed for this work

l. Include video verification of sewer line integrity for AHJ acceptance as required
m. Include all trenching requirements to include trench boxes, shoring, dewatering, etc.
n. All utility piping shall have ends sealed on a daily basis to prevent water, dirt, silt, debris, etc. from entering
o. All penetrations thru Basement foundation walls created by this scope shall be made watertight to include core drilling and link seals. Restore any below grade waterproofing
p. Coordinate with Utility Service providers as required:
    i. Include under pavement sleeves where required
    ii. Utility Company shall not open cut pavement structures after permanent CABC has been installed
    iii. Subcontractor shall be responsible for any restoration of subgrade, geotextile fabrics, CABC, curb & gutter, etc. at no cost to the project
q. Remove obstructions as required to install utilities; restore conditions as required

12. <u>Landscape Requirements:</u>

a. Water source for watering plants and grasses to be provided by Construction Manager including usage costs
    i. Irrigation is not part of the project
    ii. Include all necessary sprinklers, hoses, etc. as required to establish and maintain plants and lawns through construction
b. Permanent seeding may occur outside of specified growing window:
    i. Include temporary seeding as specified and reseed with permanent seeding as required
    ii. Include a line item for permanent seeding on the Schedule of Values
    iii. Maintain temporary grass until substantial completion or Lawn Acceptance, whichever occurs first
c. Include fine grade, preparation, removal of small rocks/roots and soil amendments (fertilizer, lime, organic and inorganic amendments, etc.) as specified
d. Include testing of topsoil as required for this bid scope
e. Include all guys and staking requirements
    i. Remove guys & staking one year (12 months) after acceptance
f. Include layout of plantings, shrubs & trees
g. Include initial maintenance
    i. Include all turf maintenance requirements
h. Mow lawn areas as specified through lawn acceptance
i. Furnish “Gatorbags” or equal on all exterior trees and plantings; remove as directed by Construction Manager

13. <u>Allowances:</u>

Include all stated allowances as outlined within this bid package

Use of any allowances shall be as directed by Construction Manager and supported with sufficient documentation as required to include quantification by Geotechnical Engineer. Any work performed <u>without prior written authorization</u> will be considered as a requirement to complete the scope of work in this bid package and at no cost to the project.

1. Include as **Allowances for designated scope and quantity**, installed as directed by Construction Manager and shall be based upon indicated Quantities and Unit Prices:
    a. **Allowances #1 thru #10** as indicated:

#01--Crushed Stone (NCDOT ABC)	**50 Tons**
#02--Geotextile Fabric	**250 SY**
#03--Subsurface Drains	**100 LF**
#04--Unsuitable soils (Mass) removal and disposal **OFF-SITE**	**100 CY**
#05--Unsuitable soils (Trench) removal and disposal **OFF-SITE**	**100 CY**
$06--Replacement of unsuitable soils (Mass) with select import fill	**100 CY**
#07--Replacement of unsuitable soils (Mass) with CABC stone	**50 tons**
#08--Replacement of unsuitable soils (Trench) with select import fill	**100 CY**
#09--Replacement of unsuitable soils (Trench) with #57 stone	**50 Tons**
#10--Geogrid, BX-1100 or equal	**250 SY**

    b. Allowances shall include all associated cost for purchase of materials, transportation, placement, compaction and quantity verification
    c. Sidewalk replacement to match width and thickness
    d. Allowances to include all requirements outlined within this bid package

2. Include an **Allowance** for **additional sidewalk replacement** as directed by Construction Manager, and shall be based upon indicated Quantities and Unit Prices:
    a. Additional sidewalk replacement is intended to address any latent or existing field conditions not specified within this bid package and identified in the construction documents
    b. Sidewalk to match width and thickness, finish, etc.
    c. Include all requirements outlined within this bid package
    d. Allowance #11, include 100 SF for said work

3. Include an **Allowance for additional seeding or reseeding** in selected areas as directed by Construction Manager, and shall be based upon indicated Quantities and Unit Prices:
    a. Allowance is intended to augment and expand areas which may require seeding beyond what is specified within this bid package
    b. Include all subgrade preparation and amendments, mulch & straw, etc.
    c. Include all requirements outlined within this bid package
    d. Allowance #12, include 200 SY for said work

4. Include an **Allowance for additional sod** installation in selected areas as directed by Construction Manager, and shall be based upon indicated Quantities and Unit Prices:
    a. Allowance is intended to augment and expand the areas which may require sod beyond what is specified within this bid package
    b. Sod installation in lieu of grass at selected locations
        i. Include all subgrade preparation and amendments, etc.
        ii. Include initial watering as required to establish sod
    c. Include all requirements outlined within this bid package

d. Allowance #13, include 50 SY for said work

14. Special Inspections are required on this project
    a. Refer to Specifications and Drawings for schedule of special inspections as well as any other applicable specifications sections
    b. Coordinate with special inspector, testing agencies, local inspectors and/or Engineer of Record as may be required
    c. Include all associated cost to participate and support Special Inspections
15. Provide all traffic control, flagging, guides, signage, etc. as required for this scope
16. Permanent roads will be expedited along with temporary drive and laydown areas shown on Site Logistics Plan
    a. Subcontractor shall take special care to stay on temporary drives during inclement weather
17. Subcontractor shall repair all land disturbances caused by equipment under this bid scope regardless of wet/dry conditions to include, but not limited to, repair of rutting, damages to erosion control measures, damage to temporary or permanent roads, curbing, etc.
    a. Restore all disturbed areas to equal or better condition than original
18. Maintain all on-site and off-site roads, streets, parking, etc. free and clear of any mud or debris created by this trade and its deliveries; clean-up shall occur immediately
    a. Sufficient personnel & equipment shall be on-site at all times to expedite this work
    b. Spillage of water, materials, etc. in public traffic areas shall be immediately cleaned
    c. Streets shall be maintained as needed, but no less than daily or as directed by Construction Manager
19. Inspect all substrates and conditions for suitability to receive work under this scope prior to starting work
    a. Advise Construction Manager immediately in writing of any deficiencies or issue
    b. Commencement of work guarantees acceptance of conditions
20. Daily clean-up of all trash and debris caused by this work
21. Furnish all ladders, lifts, shoring, scaffolding, etc. as required for this work
22. Furnish all supplemental lighting and power as required for this scope
23. Include field measure of all work in this bid scope prior to fabrication
24. Include all necessary mobilizations, multiple crews and equipment, night and weekend shifts as required or directed by Construction Manager to complete the work
25. Protect all work under this scope from damage until accepted by Owner
    a. Protect adjacent surfaces from damage by this scope of work. Any damage to adjacent surfaces or work during execution of this scope shall be repaired or replaced by this Subcontractor at no additional cost to Construction Manager
    b. Repairs shall be finished to match existing or adjacent construction
    c. Patch and repair all building finishes, structural components or other appurtenances that are removed or damaged as a result of performance of this scope. Repair work shall include finishes, components, substructure and materials required for the installation of such work in accordance with standard practices and shall be finished to match existing or adjacent conditions.
    d. Protect roadways and parking areas from damage caused by loading, unloading & staging of materials and equipment, hoisting & lifting activities, cranes, etc. All repair costs shall be borne by subcontractor responsible for said damages.

26. Subcontractor is responsible for all corrective repairs resulting from its defective workmanship
27. All corrective and repair work shall be performed within 24-hours after notification and shall be accepted prior to payment issuance to Subcontractor for said work performed
28. OSHA Safety measures shall be required and implemented
    a. Delivery drivers shall wear proper PPE while on site (staging, off-loading, etc.)
29. Project planning, to include, but not limited to
    a. Participation in development of Master Construction Schedule
    b. Submit a Job Hazardous Analysis (JHA) for each definable feature of work in advance of work start
    c. Participation by foreman and all workers in a Preparatory Meeting to review JHA, safety requirements, proposed work, approved submittals and other applicable construction documents prior to starting work
30. Provide all warranties, guarantees, extended service agreements, training, etc. as required
31. Pricing is firm, not subject to escalation for duration of project

SPECIFIC EXCLUSIONS

1. Permanent grass, plantings, trees and other landscaping under BP-32C Landscaping; see requirements for topsoil
2. Chain link fence and temporary fence by BP-32A Chain Link Fence
3. Site Lighting by Owner
4. Transformer pad by others BP-26A Electrical
5. Backflow prevention devices inside buildings installed by others
6. As-built survey of Stormwater BMPs; none indicated
7. Irrigation system and meter; none indicated

ALLOWANCES

1.	Crushed Stone (NCDOT CABC)	**50 Tons**
2.	Geotechnical Fabric	**250 SY**
3.	Subsurface Drains	**100 LF**
4.	Unsuitable soils (Mass) removal and disposal **OFF-SITE**	**100 CY**
5.	Unsuitable soils (Trench) removal and disposal **OFF-SITE**	**100 CY**
6.	Replacement of unsuitable soils (Mass) with select import fill	**100 CY**
7.	Replacement of unsuitable soils (Mass) with CABC stone	**50 tons**
8.	Replacement of unsuitable soils (Trench) with select import fill	**100 CY**
9.	Replacement of unsuitable soils (Trench) with #57 stone	**500 Tons**
10.	Geogrid	**250 SY**
11.	Additional concrete sidewalk	**100 SF**
12.	Additional seeding	**200 SY**
13.	Additional sod	**50 SY**

UNIT PRICES

UP-01	Crushed Stone (NCDOT ABC)	**$ / Ton**
UP-02	Geotextile Fabric	**$ / SY**
UP-03	Subsurface Drains	**$ / LF**
UP-04	Unsuitable soils (Mass) removal and disposal **OFF-SITE**	**$ / CY**

UP-05	Unsuitable soils (Trench) removal and disposal **OFF-SITE**	**$ / CY**
UP-06	Replacement of unsuitable soils (Mass) with select import fill	**$ / CY**
UP-07	Replacement of unsuitable soils (Mass) with CABC stone	**$ / Ton**
UP-08	Replacement of unsuitable soils (Trench) with select import fill	**$ / CY**
UP-09	Replacement of unsuitable soils (Trench) with #57 stone	**$ / Ton**
UP-10	Geogrid, BX-1100 or equal	**$ / SY**
UP-11	Additional concrete sidewalk	**$ / SF**
UP-12	Additional seeding	**$ / SY**
UP-13	Additional sod	**$ / SY**

ALTERNATES

Alternate W-2, Pre-engineered Metal Canopies, if selected by Owner, shall include any specific or special requirements, above and beyond that of the base bid, to support the indicated Alternate scope:

- **Base Bid:** Provide a complete installation of the structural framed, metal deck and membrane roof canopies (Main Bus Students & East Canopies) as required to support the project
- **Alternate:** Provide a complete installation of pre-engineered metal canopies (Main Bus Student & East canopies) as indicated in lieu of base bid structural-framed canopies:
    - **BP-31A:**
        - Adjustment, if any, associated with roof drainage collection piping as indicated
- If **there is no cost difference between Base Bid and Alternate**, then Alternate W-2 bid shall be "No Cost"; otherwise, indicate the net cost difference to provide Alternate scope
- Include all requirements outlined within this bid package

Alternate W-10, Delete Earthquake Drain Requirements, if selected by Owner, shall include any specific or special requirements of the base bid to support the indicated Alternate scope:

- **Base Bid:** Provide a complete installation of earthquake drains to include delegated design as outlined in the construction documents
- **Alternate:** Delete the requirements for earthquake drains in its entirety

Subcontractor Scope of Work
Exhibit A

Waccamaw K-2 Building Replacement
Job No. 1952

BP 32B – Chain Link Fencing

This bid package is intended to be complementary to the Contract Documents including the Project Drawings, Specifications, Addendum, and Project Manual. Subcontractor acknowledges that the Subcontractor Specific Requirements are not intended to describe the complete and final work scope. Reference is made to the Specifications Sections, but is in no way intended to limit or alter the intent of the contract documents.

Subcontractor shall perform all work and shall furnish all layout, supervision, materials, labor, scaffolding, tools, equipment, supplies, services, rigging, craning and hoisting of all materials and equipment, temporary protection of own work, coordination of own work and interaction of work of others, home office and field administration, project management, scheduling, field supervision, engineering, quality control, safety, taxes, insurances, punch list, closeout and all other things necessary or reasonably incidental for the construction and completion of their work as portrayed in the enclosed enumerated contract documents and specification sections as referenced below:

SUBCONTRACTOR'S WORK SPECIFICALLY INCLUDES:

Bordeaux Bidding Requirements and Information 4/27/2020

Division 01 – General Requirements
Division 03 – Cast-in-place Concrete (as it applies to this scope)
Division 31 – Earthwork (as it applies to this scope)
Division 32 – Exterior Improvements
Section 323113 Chain-Link Fences and Gates

All Related Sections/Requirements referenced within each Division and/or section

SUBCONTRACTOR SPECIFIC REQUIREMENTS:

1. BP-01 General Inclusion items as applicable to complete Work
2. Complete installation of work in this bid scope in accordance with all local, state and federal (OSHA) safety regulations and/or requirements
3. Complete installation as outlined in the construction documents and within this scope package
4. The following is a general outline of the items specifically included, but not limited to, in this bid scope:
    a. Furnish all labor, material, equipment, accessories, etc. to include, but not limited to, terminal & line posts, top & bottom rails, bracing, fabric, ties, tension wires, ground

barrier stakes, gates, grounding & bonding and other associated accessories as required to make a complete installation of all chain link fences and gates:

i. Remove, salvage and reinstall fence as required for utility installation; refer to Drawing C-3.0
ii. Remove all fencing and gates as indicated on drawings
iii. Install new chain link fence and gates as indicated on drawings
iv. Include all staking and layout for this scope
v. Include delegated design as required
vi. Include all grounding & bonding of fence and gates as required
vii. Install all fence screening materials (PVC slats, fabric) where indicated
viii. Include all fabrication, delivery, handling and staging of materials and equipment as required for the Work
ix. Include all excavation, concrete, grout and backfill required for this scope
    1. Surrounding area around fence posts shall be raked out smooth and re-seeded if permanent seed has already been installed
    2. Do not significantly alter existing and adjacent grades

b. Furnish & install temporary construction fence and access gates as indicated on Site Logistics Plan in Bid Manual Section Five
    i. Temporary fence to include screening
        1. Include cost to provide custom logos (BCC & BCS) on screening material
    ii. Remove temporary fence as directed by Construction Manager
    iii. Install temporary fence on pavements using non-destructive means unless otherwise directed by Construction Manager

5. Site Access Requirements

Subcontractor must conduct a 50-state background check and e-verify compliance for all personnel associated with the project

a. Submit completed Exhibit L—Lunsford Act & E-verify documentation to Construction Manager for Owner review and approval in advance of worker arriving on-site; same day approval **cannot** be granted.
b. All personnel, while on-site, must wear a plastic laminated photo identification badge that identifies person's name and employer. Badges are to be computer produced with a font large enough to be clearly visible. The ID badge template will be made available to successful prime contractors. All costs associated with criminal background checks, e-verification and ID Badging are the responsibility of each Subcontractor.
c. This a contractual requirement applicable to all personnel and all lower-tier subcontractors. Delivery drivers may be exempt with prior written approval from Construction Manager; submit request in advance.
d. Construction Manager and Owner reserve their right to deny any individual access to job-site for any reasonable condition

6. Complete and full compliance with underground location requirements as required by law.
    a. Contact North Carolina 811 (aka "NC One Call") at least 72 hours prior to construction or excavation by dialing 811
    b. Provide Construction Manager with NC 811 locate ticket number prior to commencement of work

    c. Advise Construction Manager of any underground conflict with proposed work
7. Wash out all concrete materials in concrete washout location, see site logistics plan
    a. Maintain washout as needed for removal of concrete materials
    b. Consolidate all concrete rubble to a central point as directed by Construction Manager for removal by BP-31A Turnkey Site
    c. General waste construction container is not suitable for concrete waste disposal
8. Provide all traffic control, flagging, guides, signage, etc. as required for this scope
9. Maintain all roads, streets, parking, etc. free and clear of any mud or debris created by this trade and its deliveries; clean-up shall occur immediately
    a. Sufficient personnel & equipment shall be on-site at all times to expedite this work
    b. Spillage of water, materials, etc. in public traffic areas shall be immediately cleaned
10. Inspect all substrates and conditions for suitability to receive work under this scope prior to starting work:
    a. Advise Construction Manager immediately in writing of any deficiencies or issues
    b. Commencement of work guarantees acceptance of conditions
11. Daily cleanup of debris caused by this work
12. Furnish all ladders, lifts, shoring, scaffolding, etc. as required for this work
13. Furnish all supplemental power as required for this scope
14. Include field measure of all work in this bid scope prior to fabrication
15. Include all necessary mobilizations, multiple crews and equipment, night and weekend shifts as required to facilitate construction progress or directed by Construction Manager to complete the work
16. Protect all work under this scope from damage until accepted by Owner
17. Protect adjacent surfaces from damage by this scope of work
    a. Any damage to adjacent surfaces or work during execution of this scope shall be repaired or replaced by this Subcontractor at no additional cost to Construction Manager
    b. Repairs shall be finished to match existing or adjacent construction
    c. Patch and repair all building finishes, structural components or other appurtenances that are removed or damaged as a result of performance of this scope. Repair work shall include finishes, components, substructure and materials required for the installation of such work in accordance with standard practices and shall be finished to match existing or adjacent conditions
    d. Protect roadways and parking areas from damage caused by loading, unloading & staging of materials and equipment, hoisting & lifting activities, cranes, etc. All repair costs shall be borne by subcontractor responsible for said damages
18. Subcontractor is responsible for all corrective repairs resulting from its defective workmanship
19. All corrective and repair work shall be performed within 24-hours after notification and shall be accepted prior to payment issuance to Subcontractor for said work performed
20. OSHA Safety measures shall be required and implemented
21. Project planning, to include, but not limited to:
    a. Participation in development of Master Construction Schedule
    b. Submit a Job Hazardous Analysis (JHA) for each definable feature of work in advance of work start

c. Participation by foreman and all workers in a Preparatory Meeting to review JHA, safety requirements, proposed work, approved submittals and other applicable construction documents prior to starting work

22. Provide all warranties, guarantees, extended service agreements, training, etc. as required
23. Pricing is firm, not subject to escalation for duration of project

SPECIFIC EXCLUSIONS

1. Curb & gutter, concrete troughs and concrete aprons by BP-31A
2. Gate Padlocks by Owner
3. Bollards by BP-31A
4. Conduits & wiring for power by BP-26A Electrical

ALLOWANCES

Not Applicable

Unit Prices

Not Applicable

ALTERNATES

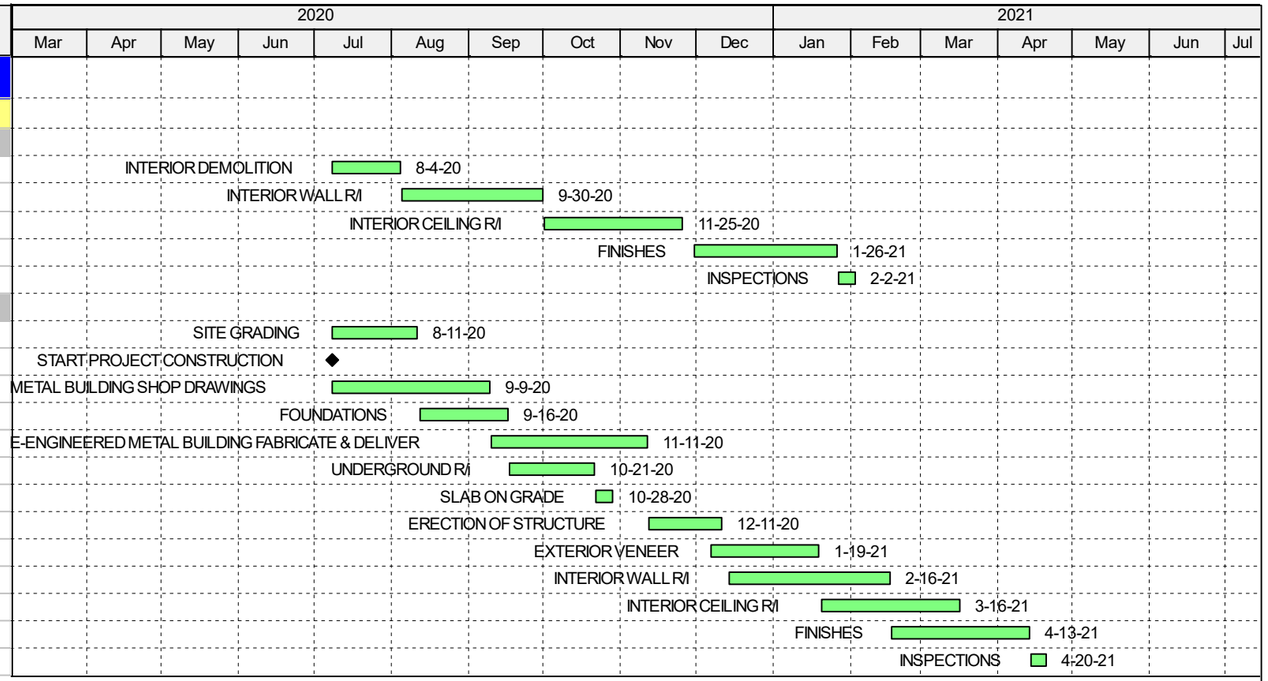
Not Applicable

SECTION 5
SCHEDULE & LOGISTICS PLAN

- BID-BASIS PROPOSED BASELINE SCHEDULE
  - The Coast Academy
  - Waccamaw K-2 Building Replacement

- SITE LOGISTICS PLANS

Activity ID	Activity Name	Orig Dur	Rem Dur	% Complete	Total Float	Start	Finish
COAST ACADEMY							
CONSTRUCTION							
Culinary Renovation							
CCDEM2	INTERIOR DEMOLITION	20	20	0%	186	7-8-20	8-4-20
CCRW12	INTERIOR WALL R/I	40	40	0%	186	8-5-20	9-30-20
CCREC2	INTERIOR CEILING R/I	40	40	0%	186	10-1-20	11-25-20
CCFIN2	FINISHES	40	40	0%	186	11-30-20	1-26-21
CCNSP	INSPECTIONS	5	5	0%	186	1-27-21	2-2-21
Automotive Building							
CASG2	SITE GRADING	25	25	0%	141	7-8-20	8-11-20
CAS00	START PROJECT CONSTRUCTION	0	0	0%	0	7-8-20*	
CASD02	PRE-ENGINEERED METAL BUILDING SHOP DRAWINGS	45	45	0%	131	7-8-20	9-9-20
CAFTG2	FOUNDATIONS	25	25	0%	141	8-12-20	9-16-20
CASD2	PRE-ENGINEERED METAL BUILDING FABRICATE & DELIVER	45	45	0%	131	9-10-20	11-11-20
CAUG2	UNDERGROUND R/I	25	25	0%	141	9-17-20	10-21-20
CASOG2	SLAB ON GRADE	5	5	0%	141	10-22-20	10-28-20
CASSE2	ERECTION OF STRUCTURE	20	20	0%	131	11-12-20	12-11-20
CAEV2	EXTERIOR VENEER	30	30	0%	131	12-7-20	1-19-21
CARWI2	INTERIOR WALL R/I	45	45	0%	131	12-14-20	2-16-21
CAREC2	INTERIOR CEILING R/I	40	40	0%	131	1-20-21	3-16-21
CAFIN2	FINISHES	40	40	0%	131	2-17-21	4-13-21
CANSP	INSPECTIONS	5	5	0%	131	4-14-21	4-20-21



Start Date: 5-22-19
Finish Date: 10-21-21
Data Date: 5-22-19
Run Date: 4-27-20

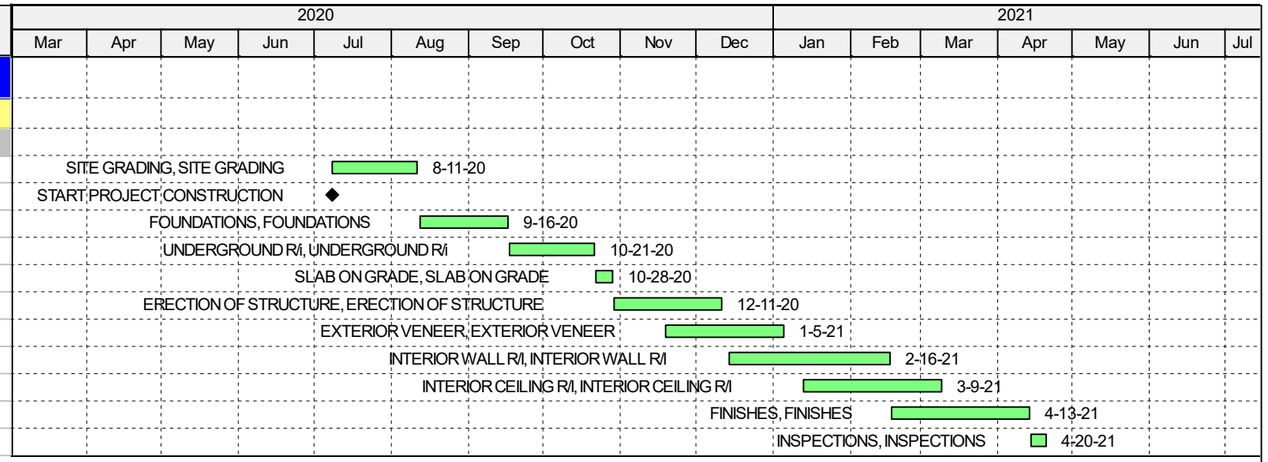
Master Schedule Hammocks
Actual Level of Effort
Actual Work
Remaining Work
Critical Remaining Work
Milestone
GC
MC
EC
PC
SC

COAST ACADEMY
Construction Schedule

03 - WT Precon Schedule
5-22-19 Upd
File: WS00-Rev1 Page 1 of 1

BORDEAUX
Construction Company, Inc.

Activity ID	Activity Name	Orig Dur	Rem Dur	% Complete	Total Float	Start	Finish
WACCAMAW ELEM.							
CONSTRUCTION							
Waccamaw Elementary School							
WSG2	SITE GRADING	25	25	0%	131	7-8-20	8-11-20
WS00	START PROJECT CONSTRUCTION	0	0	0%	0	7-8-20*	
WFTG2	FOUNDATIONS	25	25	0%	131	8-12-20	9-16-20
WUG2	UNDERGROUND R/I	25	25	0%	131	9-17-20	10-21-20
WSOG2	SLAB ON GRADE	5	5	0%	131	10-22-20	10-28-20
WSSE2	ERECTION OF STRUCTURE	30	30	0%	131	10-29-20	12-11-20
WEV2	EXTERIOR VENEER	30	30	0%	141	11-19-20	1-5-21
WRWI2	INTERIOR WALL R/I	45	45	0%	131	12-14-20	2-16-21
WREC2	INTERIOR CEILING R/I	40	40	0%	136	1-13-21	3-9-21
WFIN2	FINISHES	40	40	0%	131	2-17-21	4-13-21
WNSP	INSPECTIONS	5	5	0%	131	4-14-21	4-20-21



Start Date: 5-22-19
Finish Date: 10-21-21
Data Date: 5-22-19
Run Date: 4-27-20

Master Schedule Hammocks
Actual Level of Effort
Actual Work
Remaining Work
Critical Remaining Work
Milestone
GC
MC
EC
PC
SC

Waccamaw K-8 - Bid Schedule
Construction Schedule

BORDEAUX
Construction Company, Inc.

SECTION 6
SUBCONTRACT DOCUMENTS

- SAMPLE INTENT TO AWARD LETTER
- SAMPLE SUBCONTRACT AGREEMENT
- FORM OF PAYMENT BOND (FOR APPLICABLE SCOPES ONLY)
- FORM OF PERFORMANCE BOND (FOR APPLICABLE SCOPES ONLY)

DATE

Subcontractor Name
Address
City, State, ZIP

Reference: Brunswick County Schools—Waccamaw K-2 Building Replacement
Ash, NC 28420
Job No. 1952
Letter of Intent

It is our intent to issue a subcontract or purchase order to your company for the **XXXXXXXXXXX** work on the above referenced project, as outlined on the following page and subject to receipt of a signed contract between the Owner and Bordeaux Construction Company, Inc. Please return this Letter of Intent and begin your submittal process immediately. You will also need to provide a Certificate of Insurance with coverage as outlined on the last page before you begin work on site. In order to expedite the process, both the Letter of Intent and the Certificate of Insurance may be sent via email rachel@bordeauxconstruction.com and followed up by the originals.

If you have any questions, or if you need additional information, please don't hesitate to give me a call. We look forward to working with you on this project.

Sincerely,

BORDEAUX CONSTRUCTION COMPANY, INC.

Cliff Merrill

Attachments

Accepted by: _____
Subcontractor's Signature

_____ _____
Printed Name and Title *Date*

Sent via email only (3 pages)

SAMPLE

Subcontractor Scope of Work
Exhibit A

Waccamaw K-8 Building Replacement
Job No. 1952

Subcontractor LEGAL Name

This bid package is intended to be complementary to the Contract Documents including the Project Drawings, Specifications, Addendum, and Project Manual. Subcontractor acknowledges that the Subcontractor Specific Requirements are not intended to describe the complete and final work scope. Reference is made to the Specifications Sections, but is in no way intended to limit or alter the intent of the contract documents.

Subcontractor shall perform all work and shall furnish all layout, supervision, materials, labor, scaffolding, tools, equipment, supplies, services, rigging, craning and hoisting of all materials and equipment, temporary protection of own work, coordination of own work and interaction of work of others, home office and field administration, project management, scheduling, field supervision, engineering, quality control, safety, taxes, insurances, permits, punch list, close out and all other things necessary or reasonably incidental for the construction and completion of their work as portrayed in the enclosed enumerated contract documents and specification sections as referenced below:

SUBCONTRACTOR'S WORK SPECIFICALLY INCLUDES:

Bordeaux Bidding Requirements and Information 3/17/2020
Division 01 – General Requirements
Division XX – Template
All Related Sections/Requirements referenced within each Division and/or section

SUBCONTRACTOR SPECIFIC REQUIREMENTS:

1. BP-01 General Inclusion Items as applicable to complete Work
2. Requirement 2
3. Requirement 3

SPECIFIC EXCLUSIONS

1. Exclusion 1

SAMPLE

ALLOWANCES

1. Allowance 1
2. Allowance 2
3. Allowance 3

ALTERNATES

Alternate No. 1
Alternate No. 2

UNIT PRICES

UP-1	(*Brief Description*)	*(Unit)*	Unit Price ($) _____
UP-2	(*Brief Description*)	*(Unit)*	Unit Price ($) _____
UP-3	(*Brief Description*)	*(Unit)*	Unit Price ($) _____
UP-4	(*Brief Description*)	*(Unit)*	Unit Price ($) _____
UP-5	(*Brief Description*)	*(Unit)*	Unit Price ($) _____

SAMPLE

April 2, 2020

«SubcontractorNam»
«Address1»
«Address2»
«City», «State» «ZipCode»

Reference: **Waccamaw K-2 Building Replacement**
5901 Waccamaw School Road
Ash, NC 28420

Congratulations on award of the **SCOPE** contract for **Waccamaw K-2 Building Replacement!** All project documents are available for download through Procore.

- Please sign **both** copies of the Subcontract Agreement and return **BOTH** with Insurance Certificates and/or Bonds, as applicable, within fourteen (14) days. A fully executed copy will be returned for your files.

- Please use the enclosed Application for Payment (Exhibit D) when submitting your request for payment. All requests for payment must be in our office on/or before the **15th** day of the month for which payment request is made. Payment request cutoff is the 20th. **Do not project to the end of the month**. Please forward schedule of values with the signed Subcontract Agreement. You may email a copy of pay application to accounting@bordeauxconstruction.com. A hard copy will be required for release of payment.

- Please prepare all submittals using the enclosed form (Exhibit E) and return an electronic copy for review and approval prior to starting any work activity. A copy of the job progress schedule will be posted at the Field Office at all times and you are responsible for advising us of any adverse effect that your work will have on the total job progress or that of other trades. All submittals must be submitted through Procore.

- Please complete and return Exhibit F, List of Second Tier Subcontractors/Suppliers with the signed Subcontract Agreement.

- If not already submitted, please complete and return Exhibit H, Subcontractor/Supplier Information sheet and retuned with the signed Subcontract Agreement.

- All employees are required to wear a hard hat, safety glasses, and a vest (or high visibility shirt) at all times.

Listed below are the key personnel who have been assigned to this contract:

Project Executive	John Witcher	john@bordeauxconstruction.com	O: 919.220.1141 M: 919.250.8690
Project Manager	Cliff Merrill	cliff@bordeauxconstruction.com	O: 919.220.1141 M: 919.418.3728
Superintendent	Bobby Clark	bobby@bordeauxconstruction.com	M: 252.469.1218
Project Admin	Rachel Sayre	rachel@bordeauxconstruction.com	O: 919.220.1141

If you have any questions regarding this contract, please contact one of the above personnel or the undersigned. We look forward to a successful project.

Sincerely,

Bordeaux Construction Company

Cliff Merrill
Project Manager

SAMPLE

BORDEAUX
Construction Company, Inc.

SUBCONTRACT AGREEMENT

between

Bordeaux Construction Company
Contractor

and

SUBCONTRACTOR
Subcontractor

for

Waccamaw K-2 Building Replacement
Job No. 1952

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SCHEDULE OF EXHIBITS

Exhibit A	Subcontractor Scope of Work
Exhibit B	Bid Package BP-01 General Inclusions
Exhibit C	Document List
Exhibit D	Application for Payment Form
Exhibit E	Submittal Form
Exhibit F	Second Tier Subcontractors and Suppliers
Exhibit G	Insurance Requirements
Exhibit H	Subcontractor/Supplier Information Sheet
Exhibit I	Sample RFI Form
Exhibit J	Change Proposal Request Form
Exhibit K	BCC Standard Safety Requirements
Exhibit L	Sexual Offender Registry Check Certification
Exhibit M	Virtual Construction Requirements

TO BE RETURNED WITH EXECUTED SUBCONTRACT:

Exhibit G	Insurances and/or Bonds as Applicable
Exhibit F	Second Tier Subcontractors and Suppliers
Exhibit H	Subcontractor/Supplier Information Sheet

SAMPLE

BORDEAUX
Construction Company, Inc.

Subcontract Agreement

Date: **April 2, 2020**

This Subcontract is effective on the above date, and must be signed by Subcontractor and returned to Bordeaux Construction Company, Inc. within fourteen (14) days of Subcontract Date. If executed Subcontract is not received by Bordeaux Construction Company, Inc. within thirty (30) days of Subcontract Date, it is DEEMED ACCEPTED by the Subcontractor.

Awarded By: **Bordeaux Construction Company, Inc.**
135 E. Martin St., #101
Raleigh, NC 27601
Ph.: (919) 220-1141, Fax: (919) 220-1147

Awarded To: **Subcontractor Name ("the Subcontractor")**
Address
City State Zip Code
Ph.:

Project: **Waccamaw K-2 Building Replacement ("the Project")**
5901 Waccamaw School Road
Ash, NC 28420
Job No. 1952

Architect: **LS3P Associates Ltd. ("the Architect")**
434 Fayetteville Street, Suite 1700
Raleigh, NC 27601

Owner: **Brunswick County Schools ("the Owner")**
35 Referendum Drive NE
Bolivia, NC 28422

Subcontract No: **1952.**
Vendor No:
Bid Package:
Subcontract Amount: **dollars ($ Dollar Amount)**
Retainage Amount: **XX%**
Subcontractor Billing Cost Code: **COSTCODE**
Performance and Payment Bond Required: **«BOND»**
Project Completion Date: **TBD Calendar Days from NTP to Substantial Completion**
Subcontractor Completion Date: as **scheduled by Bordeaux Construction Company**

SAMPLE

Bordeaux Construction Company, Inc. (hereinafter referred to as "BCC") and Subcontractor, for good and valuable consideration, the receipt of which is hereby acknowledged, do hereby agree as follows:

1. SUBCONTRACT WORK

(A) The Subcontractor shall furnish all of the labor, materials, plant, equipment, supplies, services, and other items (including but not limited to competent supervision, shop drawings, samples, tools, protection, hoisting and scaffolding) as necessary for the proper performance of the Subcontract Work, as set forth in Exhibit A and Exhibit B, attached hereto.

(B) In performing any services hereunder, the Subcontractor is, and undertakes performance thereof as, an independent contractor, with sole responsibility for all persons employed in connection therewith, including without limitation exclusive liability for the payment of all federal, state and local unemployment and disability insurance and all social security and/or other taxes and contributions payable with respect of such persons.

2. CONTRACT

BCC's contract with the Owner (the "General Contract") is incorporated by reference and made a part of the Subcontract. Except as modified herein, Subcontractor assumes the same obligations to BCC under the Subcontract that BCC assumes to the Owner with respect to the Subcontract Work. The language of applicable clauses from the General Contract shall be construed to express the BCC /Subcontractor relationship. Time limitations set forth in such provisions will be shortened as necessary to provide BCC time to meet its obligations. In the event of a conflict between any such provisions and the Subcontract, the terms and conditions of the Subcontract shall govern. The Subcontractor also acknowledges that it has made a site visit to review conditions that may relate to the performance of the Subcontract Work, has incorporated such knowledge into its price for the Subcontract Work, and that it has reviewed the General Contract, the Drawings and Specifications and Amendments as enumerated in Exhibit C as they relate to other work which may interface with the Subcontract Work.

This Subcontract award is contingent upon receipt of a signed contractual Agreement between the Owner and BCC. In the event BCC does not receive a contract from the Owner, then this Subcontract shall become null and void with no obligation on the part of either party.

3. SUBCONTRACT DOCUMENTS

(A) The Subcontract Documents consist of this Subcontract Agreement (including Exhibits), the General Contract including any general, special and supplementary conditions, the Bid Manual (if applicable), the Drawings, the Specifications, and all Addenda issued prior to and all Modifications issued after execution of any of these documents.

(B) In the event that a conformed set, CAD Files, BIM model, or any other supplemental drawings or specifications are issued which incorporates pre-contract changes including addendum, CM Clarifications, accepted alternates, value engineering, and any post bid negotiations, Subcontractor acknowledges that the conformed set is for information only and in the event of a discrepancy between the Subcontract Documents and the Conformed Set, the Subcontract Documents set shall take precedence as the basis of the Subcontract Work.

(C)In the event of a discrepancy among any of the Subcontract Documents, the provision imposing the more demanding term, condition, duty or standard of performance or the greater limitation on the nature and type of relief or damages allowed to Subcontractor shall control. However, should the General Contract contain an Order of Precedence Clause, such clause shall govern the interpretation of the General Contract.

(D) BCC will provide the Subcontractor with plans and specifications electronically via *Procore*. Additional sets shall be obtained at the Subcontractor's expense.

4. SUBCONTRACT SUM AND PAYMENT

(A) BCC shall pay the Subcontractor for the Subcontract Work, the "Subcontract Amount."

(B) BCC shall pay progress payments to Subcontractor on the schedule provided by the General Contract. Such progress payments shall be made within seven (7) days of receipt of payment from the Owner, out of the amount paid to BCC on account of Subcontractor's portion of the Work, the amount to which said Subcontractor is entitled. Such progress payments shall reflect percentages retained at the rate set forth on page 1 of this Agreement, or otherwise actually retained from payment to BCC on account of Subcontractor's portion of the Work. Subcontractor shall make payments to its subcontractors in the same manner.

(C) Subcontractor shall submit for approval within FOURTEEN (14) CALENDAR DAYS of issuance of this Agreement and prior to any payment being made, a Schedule of Values with respective quantities. The referenced Schedule of Values shall allocate the Subcontract Amount among the various portions of the Subcontract Work and be prepared in such form and supported by such data to substantiate its accuracy as BCC may require. *The Schedule of Values must include a line item equal to 2.5% of the Subcontract Amount for Close-out documents as outlined in section (G) below. The Subcontractor may not receive payment for this scheduled value until all Close-out documents have been received and approved.* At the discretion of BCC, sample warranties and close out documents may be submitted in lieu of the final closeout documents.

(D) BCC obligation to pay the Subcontract Amount is executory and conditional upon Subcontractor's compliance with this Agreement, and Subcontractor's completion of work. It is further expressly agreed and intended by the parties hereto that payment by the Owner to BCC is an absolute condition precedent to any obligation by BCC to make payment to the Subcontractor of all or any portion of the Subcontract Work to be performed by Subcontractor under the Agreement. BCC reserves the sole discretion to make payment to Subcontractor before it receives payment from the Owner, and such payment shall not constitute a waiver of any provision enumerated in this Agreement. No progress payments made under this Agreement shall be conclusive evidence of the performance of this Agreement either in whole or in part, and no such payment shall be construed to be an acceptance of defective Subcontract Work or improper materials. ALL MONTHLY BILLINGS MUST BE SUBMITTED ON THE SUBCONTRACTOR APPLICATION AND CERTIFICATE FOR PAYMENT (EXHIBIT D ATTACHED HERETO) BY THE **15TH DAY** OF EACH MONTH, with costs projected through the 20th Day of the month. Payment applications received in a timely manner will be paid promptly after receipt by BCC of payment from the Owner, less any deductions for improperly or untimely performed work or for work performed by BCC for the Subcontractor's account.

(E) If at any time there shall be evidence of a lien or claim for which is chargeable to Subcontractor, or which, if established, might render BCC or the Owner liable to the claimant, or if Subcontractor shall incur any liability to BCC, or if BCC shall have any claim or demand against Subcontractor of any kind or for any reason, whether or not reduced to judgment or award, BCC shall have the right to retain out of any payment due, or to become due under this Agreement or any other agreement between BCC and the Subcontractor, an amount sufficient to indemnify BCC and Owner against such lien or claim, or to fully satisfy such liability, claim or demand. BCC shall also be entitled to charge against or deduct from any such payment all costs of defense or collection with respect thereto, including reasonable attorneys' fees. Should any claim or lien develop after all payments are made hereunder, the Subcontractor shall refund to BCC within TEN (10) DAYS of demand all monies that the latter may be compelled to pay in discharging such claims or liens and all costs, including reasonable attorneys' fees incurred in collecting said monies from Subcontractor.

(F) Subcontractor shall pay for all materials and labor used in connection with the performance of this Agreement through the period covered by previous payments made by BCC to Subcontractor, and shall furnish satisfactory evidence, when requested by BCC, to verify compliance with this requirement, including, but not limited to providing BCC with a list of suppliers and vendors with contact information. Subcontractor further agrees that prior to payment it must provide BCC: (a) an executed Subcontractor Application and Certificate for Payment (Exhibit D attached hereto); and (b) an executed waiver and release of lien and/or bond rights.

(G) BCC shall have the right at all times to contact the Subcontractor's subcontractors and suppliers to insure that they are being paid in accordance with the terms of this Subcontract and the terms of their agreements with the Subcontractor for labor or materials furnished for use in performing the Subcontract Work. The Subcontractor agrees that BCC may, at any time, make payments due to the Subcontractor by checks jointly payable to Subcontractor and one more of the Subcontractor's subcontractors or suppliers.

SAMPLE

(H) Final Payment is subject to BCC prior receipt from Subcontractor of all as-built drawings, certifications, maintenance manuals, operating instructions, written guarantees, warranties and bonds relating to the Subcontract Work, all as required by the Subcontract Documents.

(I) Acceptance of Final Payment by Subcontractor shall constitute a full waiver and release by Subcontractor of all claims against BCC or Owner arising out of or relating to the Subcontract Agreement.

5. FINAL PAYMENT

(A) Upon acceptance of the Subcontract Work by BCC and Owner, and upon the Subcontractor's furnishing evidence of fulfillment of the Subcontractor's obligations in accordance with the Subcontract Documents, BCC shall process the Subcontractor's application for Final Payment. The Subcontractor shall submit to BCC: (i) A Final Lien Waiver and Release; (ii) Consent of surety to final payment, if required; (iii) Written notification that all Close-out Procedures have been completed, including but not limited to as-built drawings, O & M manuals, equipment, training, extra material stock, and warranty certificates; and, (iv) Other substantiation and certification as required by BCC or the Owner.

(B) Final Payment shall constitute a waiver of all claims by the Subcontractor arising out of or relating to the Subcontract Work, but shall in no way relieve the Subcontractor of liability for the obligation to warrant and guarantee the Subcontract Work, and for faulty or defective work appearing after Final Payment.

6. SUBCONTRACT COMPLETION DATE AND PERFORMANCE PERIOD

(A) Subcontractor shall complete all Subcontract Work by the Subcontract Completion Date or within the Performance Period as applicable. For the purpose of the Contract, Performance Period shall mean the time as indicated on the project schedule. By executing the Contract, the Subcontractor agrees to the sequence, and duration, including any concurrent activities as well as the feasibility and constructability of the Performance Period. In the event that a Project Schedule is either not required or not completed, the Performance Period shall mean as scheduled by BCC. TIME IS OF THE ESSENCE FOR THE COMPLETION OF THE SUBCONTRACTOR'S OBLIGATIONS UNDER THIS SUBCONTRACT. The Subcontractor shall coordinate all work with BCC to assure timely completion of the Subcontract Work, and so as not to impact timely completion of the Project. Any extensions to the Subcontract Completion Date or changes to the Performance Period must be in writing and signed by BCC. If BCC is assessed liquidated damages for any failure to timely complete the Subcontract Work, then BCC shall also assess such liquidated damages to Subcontractor. Should Subcontractor fail or neglect to complete all or any part of the Subcontract Work in the times specified, or so fail to make progress as to endanger performance, or otherwise delay BCC by reason of Subcontractor's, or any of its subcontractor's or supplier's, failure or neglect at any tier to perform its obligations, such shall be considered a default by Subcontractor.

(B) The Subcontractor shall cooperate with BCC in planning, scheduling and performing work hereunder in coordination with BCC's schedule and the scheduling of other trades and subcontractors on the Project. The Subcontractor shall furnish in good time, sufficient labor, material, plant equipment, supplies, tools and other items, and shall work such hours, including night shifts and overtime, as may be necessary to insure the prosecution of the Subcontract Work as scheduled.

(C) Subcontractor shall, within 14 days of issuance of this agreement, or issuance of a letter of intent, submit a Subcontract Progress Schedule for the Subcontract Work in a format acceptable to BCC. This schedule shall include activity descriptions and durations in working days, for shop drawings, fabrication, delivery and installation of products, materials and equipment, identify precedent relationships between the contractor's activities and those of other contractors, the dollar value, necessary manpower loadings, and precedent activities from other Contracts. The activities on the schedule must be at a level of detail approved by BCC and agree with the terminology and building sequencing established by BCC. BCC will compile all Subcontractors' schedules and develop a Project Master Construction Schedule. Once generally agreed upon by all Subcontractors, this schedule will become the project plan for construction.

(D) BCC shall periodically update the project master construction schedule and display same at the job site. Each Subcontractor will be responsible to be familiar with the schedule and how it will affect or modify their operations, including their coordination with the activities of other Subcontractors. Minor changes in sequencing, durations and phasing are to be expected with each project update. These changes will be made at no additional cost.

(E) If it is apparent a Subcontractor is unable to perform their work in the sequence indicated or the time allotted, said Subcontractor must notify BCC within five (5) calendar days after publication of the project master construction schedule. Subcontractors schedule of activities may be re-sequenced, and the schedule adjusted, provided all work is completed within the stated milestone dates and if BCC and affected Subcontractors are notified of the change within five (5) calendar days of receipt of the schedule; otherwise, the project master construction schedule shall be deemed accepted by all parties and becomes a contractual requirement for each Subcontractor.

(F) If the Subcontractor wishes to make a claim for increase in the Subcontract Completion Date or changes in the Performance Period, it shall give BCC written notices thereof within THREE (3) CALENDAR DAYS after both the occurrence of, and the conclusion of, the event giving rise to such claim for time, or within the time period required by the General Contract, whichever is shorter. These notices shall be given by the Subcontractor before proceeding to execute the work necessitating a request for extension of time, except in an emergency endangering life or property. No claim for an increase in the Subcontract Completion Date or changes in the Performance Period shall be valid unless so made, and any change in the Subcontract Completion Date or changes in the Performance Period resulting from such claim shall not be valid unless authorized by a written Change Order.

(G) If the Subcontract Work is substantially delayed, accelerated, or disrupted without the fault or responsibility of the Subcontractor, then the time for the Subcontract Work shall be revised to the extent obtained by BCC under the General Contract and the Subcontract Completion Date and Performance Period shall be revised accordingly. BCC shall not be liable to the Subcontractor for any damages or additional compensation as a consequence of delay, acceleration or disruption caused by any person not a party to this Subcontract unless BCC has first recovered the same on behalf of the Subcontractor from said person. Apart from recovery from said person, the Subcontractor's sole and exclusive remedy for delay, acceleration or disruption shall be an extension in the time for performance of the Subcontract Work.

SAMPLE

(H) If, in the opinion of BCC, the Subcontractor is behind schedule and is so notified by BCC in writing, said Subcontractor will be required to furnish to BCC a short interval schedule of their work showing location, number of men and crew required to get back on the agreed upon master construction schedule. If the Subcontractor fails to maintain and meet the short interval schedule submitted to BCC, BCC reserves the right to take whatever steps necessary to bring the work in compliance with the master construction schedule at the Subcontractor's expense. The Subcontractor shall employ such means as overtime work, multiple work shifts, and additional equipment, without additional compensation and shall continue to do so until the progress of the work is, in the opinion of BCC, in conformance with the master construction schedule.

(I) If, in the opinion of BCC, the Subcontractor fails to make sufficient progress accomplishing the Work in the time required by the Subcontract Documents, BCC may, 48 hours from furnishing written notice to the Subcontractor of such failure to timely perform the work, supplement the Subcontractor's work force and charge the cost of additional labor, equipment and materials to the Subcontractor. Should it become necessary for BCC to employ counsel or to take legal action to enforce the obligation of the Subcontractor, or should BCC become involved in litigation arising out of or relating to any part of the Subcontract Work, the Subcontractor shall pay BCC attorney's fees in addition to actual costs and damages.

7. LABOR DISPUTES

Whenever an actual or potential labor dispute delays or threatens to delay the performance of the Subcontract Work, the Subcontractor shall immediately give notice thereof to BCC. Such notice shall be confirmed in writing and shall contain all information relevant to the dispute.

8. PERMITS AND LICENSES

The Subcontractor shall inform itself in detail of all permits, licensing and tax requirements pertaining to the Subcontract Work. Unless otherwise stated in the Subcontract, the Subcontractor shall secure and pay for all permits and governmental fees, taxes, licenses and inspections necessary for the proper execution and completion of the Subcontract Work. Subcontractor shall hold a valid contractor's license in the jurisdiction in which the work is performed.

9. WORKMANSHIP

The Subcontractor shall at all times perform the Subcontract Work in a professional and workmanlike manner, in strict accordance with the terms of the Subcontract, and in keeping with the highest industry standards then prevailing for the performance of similar work. The Subcontractor shall employ proper, adequate and experienced supervision and only properly trained and qualified craftsmen, and shall assign work in conformity with established craft classifications at the job site as determined by BCC. The Subcontractor shall remove from the site of the work any supervision, craftsman or employee considered unsatisfactory by BCC. All lower tier subcontractors of the Subcontractor must be approved by BCC, which approval shall not in any way diminish the responsibility of the Subcontractor to comply with the terms of the Subcontract. The Subcontractor will cooperate and coordinate the Subcontract Work with all other trades and other subcontractors.

10. PROPERTY AND PROPRIETARY INFORMATION

(A) Any property furnished by BCC or Owner shall remain the property of BCC or the Owner, as applicable, and Subcontractor shall bear the risk of loss of and damage to such property, normal wear and tear excepted. BCC and the Owner shall have the right to enter Subcontractor's premises at all reasonable times to inspect such property and Subcontractor's records with respect thereto. Said property shall be relinquished back to its owner at the scheduled time, or upon demand.

(B) This Subcontract, as well as all information contained in documents, including drawings, specifications and schedules, received from BCC in connection with the Subcontract, are confidential and the property of BCC or the Owner, and such information shall not be transmitted, reproduced, used or disclosed by Subcontractor, except as necessary for the performance of the Subcontract Work, without prior written approval by BCC.

11. CHANGES

(A) BCC may at any time by written Change Order make changes to the Subcontract without notice to the sureties, including but not limited to, the Subcontract Work, Subcontract Completion Date or Performance Period. BCC may direct the Subcontractor to perform changes to the Subcontract Work under the same terms and conditions as BCC may be required to perform such work under the Changes Clause or any other provision of the General Contract. If any Change Order causes an increase or decrease in the cost of, or the time required for the Subcontract Work, an equitable adjustment to the Subcontract will be negotiated. BCC shall not be liable for any damages as a consequence of delay, acceleration or disruption. Subcontractor's exclusive remedy for delay, acceleration and disruption shall be an extension of the Subcontract Completion Date or Performance Period, unless such delay, acceleration or disruption damages are recovered from the Owner or other responsible person not a party to this Subcontract. Any claim by Subcontractor for any adjustment under this clause must be asserted in writing within TEN (10) CALENDAR DAYS from receipt of the Change Order. Nothing herein shall excuse Subcontractor from proceeding diligently with performance of the Subcontract Work, as changed by BCC.

(B) Subcontractor shall respond in writing in accordance with the time set forth in the Request for Proposal, but in no event more than ten (10) working days after any requests for proposal issued by BCC. Should the Subcontractor fail to respond within this time period, BCC may submit an estimate to the Owner (on the Subcontractor's behalf) for the Subcontractor's total cost and time impact related to the proposed change. The extent to which the Subcontractor is entitled to relief for the change shall be no greater than that which the Contractor receives from the Owner on the Subcontractor's behalf.

12. NOTICE OF CLAIMS FOR ADDITIONAL COST

If the Subcontractor wishes to make a claim for increase in the Subcontract Sum, it shall ensure that BCC receives written notice thereof within TEN (10) CALENDAR DAYS after the occurrence of the event giving rise to such claim, or within the time period required by the General Contract, whichever is shorter. This notice shall be given by the Subcontractor before proceeding to execute the work, except in an emergency endangering life or property. No claim for additional costs shall be valid unless so made, and any change in the Subcontract Sum resulting from such claim shall not be valid unless authorized by a written Change Order.

13. ADJUSTMENTS IN SUBCONTRACT AMOUNT

SAMPLE

(A) If a Subcontract Change Order requires an adjustment in the Subcontract Amount, the adjustment shall be established by BCC acceptance of an itemized lump sum; by unit prices as indicated in the Subcontract or as subsequently agreed to by the parties; by costs determined in a manner acceptable to the parties with a mutually acceptable fixed or percentage fee; or by such other method as may otherwise be provided in the Subcontract Documents.

(B) If the Subcontractor does not respond promptly or disputes the method of adjustment, the method and the adjustment shall be determined by BCC on the basis of reasonable expenditures and savings of those performing the Work attributable to the change, including, in the case of an increase in the Subcontract Amount, an allowance of 10% for overhead and profit. The Subcontractor shall maintain for BCC review and approval an appropriately itemized and substantiated account of labor costs (including fringe benefits), costs of materials, supplies and equipment, bond and insurance premiums, permit fees and taxes, and costs of additional supervision and field office personnel necessitated by the change.

14. CLAIMS AND DISPUTES

(A) With respect to any extra, claim or dispute for which the Owner is or may be liable, in whole or in part, the Subcontractor will prepare and submit to BCC, appropriate notices of its claim(s) and its final claim(s) at least five business days before any applicable deadline for providing notice of a claim or a claim to the Owner as required by the General Contract. For any such extra, claim or dispute, the Subcontractor will comply with the claims procedures (including any rates specified therein) in the General Contract. Subcontractor shall also clearly notify BCC, in writing of any actual or potential deadlines for submittal of Subcontractor's notice or claim to the Owner at the time of submission to BCC. BCC, will cooperate with the Subcontractor in presenting such notices and claim to the Owner and will pay to Subcontractor (subject to any applicable set-off) any amounts recovered for Subcontractor on such claim. The Subcontractor agrees that it will bear all costs, including legal fees, necessary to pursue such a claim against the Owner. The Subcontractor agrees that it will not pursue any extra, claim or dispute against BCC for amounts that should be justly paid by Owner, and the Subcontractor further agrees that it is required to await the resolution of all administrative claims procedures and other dispute resolution procedures required by the General Contract prior to asserting a claim against BCC for any such matters. If allowed by the General Contract or applicable rules and procedures, Subcontractor will be made a party to any applicable dispute resolution between the Owner and BCC. The Subcontractor will be bound by the outcome of any such dispute resolution proceedings whether or not Subcontractor is allowed to be included as a party thereto. The amount recovered (if any) from Owner for Subcontractor shall constitute the exclusive remedy and full and final amount due Subcontractor for any such extra or claim. If a claim against the Owner is procedurally barred due to Subcontractor's failure to timely submit notice of a claim or its claim to BCC or to otherwise follow the General Contract claim procedures, then Subcontractor's claim shall be deemed waived by Subcontractor and Subcontractor shall recover no additional compensation therefore.

(B) Any extra, claim or dispute solely between BCC and the Subcontractor not resolved by direct discussion shall be submitted first to mediation pursuant to the Construction Industry Mediation Rules of the American Arbitration Association. The parties shall select the mediator within fifteen (15) Days of the request for mediation. Engaging in mediation is a condition precedent to arbitration. Except as to any extra, claim or dispute governed by (A) above, any extra, dispute or claim arising out of this Subcontract or relating to the dealings and transactions between the parties as a result of this Subcontract, including any contract, tort, or statutory claims between the parties, shall be resolved by binding arbitration administered by the American Arbitration Association in accordance with its Construction Industry Arbitration Rules then in effect. As part of the arbitration proceedings, the arbitrator(s) shall have the discretion and full authority (but not an obligation) to award reasonable attorneys' fees in favor of the party the arbitrator(s) deem to be the prevailing party. Since this Subcontract touches and concerns interstate commerce, this arbitration clause shall be governed by the Federal Arbitration Act. A judgment on the award rendered by the arbitrator(s) may be entered in any court having jurisdiction thereof. Any arbitration hearing shall be conducted in or around Durham, North Carolina.

If BCC, asserts that any dispute with Subcontractor is governed by subparagraph (A) above, any arbitration proceedings between BCC, and Subcontractor shall be stayed pending a final resolution of any claim submitted to Owner on Subcontractor's behalf.

(C) Subcontractor shall proceed diligently with the Subcontract Work pending resolution of any dispute(s).

(D) If not earlier barred by other provisions in this Subcontract or the General Contract, any claim(s) by the Subcontractor shall be waived if not pursued within one year from the date when the claim arose.

15. INCONSISTENCIES, OMISSIONS AND SUBMITTALS

(A) Should inconsistencies or omissions appear in the Subcontract Documents; it shall be the duty of the Subcontractor to notify BCC in writing within THREE (3) WORKING DAYS of the discovery by the Subcontractor. Upon receipt of such notice, BCC shall instruct the Subcontractor as to the measures to be taken and the Subcontractor shall comply with BCC instructions.

(B) The Subcontractor shall assure that its shop drawings, samples and other submittals strictly conform to the Subcontract Documents. Subcontractor shall provide ALL submittals, including, but not limited to product samples and shop drawings, to BCC within TWENTY (20) CALENDAR DAYS OF RECEIPT OF THIS SUBCONTRACT, or such earlier time required by BCC to meet the Project Schedule. Submittals shall be provided in the quantity required by BCC, and shall be furnished in accordance with BCC's Standard Submittal Form attached hereto as Exhibit E. The approval of any Subcontractor submittal shall not be deemed to authorize deviations, substitutions or changes in the requirements of the Subcontract Documents unless express written approval is obtained from BCC authorizing such deviation, substitution or change.

(C) Immediately upon award of the Subcontract, Subcontractor shall furnish BCC in writing the names of persons or entities (including those who are to furnish materials or equipment fabricated to a special design) proposed for each principal portion of the Work. Such submission shall be on BCC's standard form Subcontractor List of Subcontractors and Suppliers, attached hereto as Exhibit F, and Subcontractor/Supplier Information Sheet, attached hereto as Exhibit H. BCC will reply to the Subcontractor in writing stating whether it has reasonable objection to any such proposed person or entity. Subcontractor shall not contract with a proposed person or entity to which BCC has made reasonable and timely objection. If BCC has reasonable objection to a person or entity proposed by the Subcontractor, the Subcontractor shall propose another to whom BCC has no reasonable objection.

SAMPLE

(D) Prior to the commencement of the Subcontract Work, Subcontractor shall examine the existing conditions of the jobsite, including, but not limited to adjacent in-place work. If Subcontractor concludes that existing jobsite conditions are unacceptable or will hinder Subcontractor's ability to perform the Subcontract work, it must immediately notify BCC in writing of the examination. If notice is not properly made, Subcontractor waives any and all claims it may have arising out of or related to existing jobsite conditions.

16. INSPECTIONS AND TESTING

The Subcontractor shall schedule all required tests, approvals and inspections of the Subcontract Work at appropriate times so as not to delay the progress of the work. The Subcontractor shall give proper written notice to all required parties of such tests, approvals and inspections. The Subcontractor shall bear all expenses associated with tests, inspections and approvals required of the Subcontractor by the Subcontract Documents which, unless otherwise agreed to, shall be conducted by an independent testing laboratory or entity approved by BCC and Owner. Required certificates of testing, approval or inspection shall, unless otherwise required by the Subcontract Documents, be secured by the Subcontractor and promptly delivered to BCC.

17. WARRANTIES

The Subcontractor shall give the warranties called for in the General Contract for the time periods designated therein. In addition, Subcontractor warrants that all Subcontract Work shall: (a) be free from faults and defects in workmanship and materials, (b) be new and of specified commercial quality, (c) be suitable for the purpose intended, (d) be of merchantable quality, (e) if of Subcontractor's design, meet all performance requirements and be free from defects in design; and, (f) conform to the requirements of the Subcontract. Work not conforming to these requirements, including substitutions not properly approved and authorized, may be considered defective. All warranties shall run for the time required by the General Contract or ONE (1) YEAR from the final acceptance of the completed Project by the Owner, whichever is longer. All guarantees and warranties, expressed or implied, shall inure to the benefit of BCC. Any extended warranty in excess of one year shall be for the direct benefit of the Owner. Furthermore, BCC shall not be deemed to have accepted any Subcontract Work until the Owner has finally accepted it. BCC may at any time during the warranty period require the Subcontractor to remedy by repair, correction, or replacement, without cost to BCC, any of the Subcontract Work that fails to comply with the Subcontract, including the foregoing warranties, regardless of the cause. Subcontractor shall also repair, correct or replace any other work that is damaged or otherwise affected by Subcontractor's defective, faulty or non-conforming work, and shall be liable for any consequential damages caused thereby.

18. DAMAGES AND CORRECTION OF SUBCONTRACT WORK

(A) The Subcontractor shall be liable to BCC for any damages, actual or liquidated, which BCC may sustain as a result of failure or delay by the Subcontractor in the performance of the Subcontract Work as scheduled. The Subcontractor shall be liable to BCC for all direct and indirect costs, including increased overhead and supervision costs, caused by any delays due to Subcontractor's work and/or progress. SUBCONTRACTOR SHALL BE LIABLE TO BCC FOR ALL LIQUIDATED DAMAGES ASSESSED BY OWNER AND/OR ALL OTHER DAMAGES OR DEDUCTIONS CHARGED BY OWNER OR OTHERS FOR DELAYS CAUSED BY SUBCONTRACTOR. In addition to the foregoing, the Subcontractor shall also be liable to BCC for all incidental and consequential damages incurred by BCC in addition thereto, specifically including extended jobsite and home office overhead costs incurred by BCC. If project delays are caused by several persons or factors, then responsibility for such delays and any resulting cost overruns and damages shall be apportioned by BCC and paid by all responsible parties.

(B) If any Subcontract Work proves defective or deficient, such defects or deficiencies shall, as required by BCC, be corrected and repaired by the Subcontractor, at the Subcontractor's expense, to the satisfaction of BCC. If the Subcontractor's correction or removal of Subcontract Work destroys or damages completed or partially completed work of the Owner, BCC or any other contractor or subcontractor, the Subcontractor shall be responsible for the cost of correcting such destroyed or damaged construction. If, after 48 hours from receipt of written notice to correct defective or deficient work, the Subcontractor fails to proceed promptly with any such repairs or corrections as directed by BCC, or BCC determines that the Subcontractor has failed to demonstrate that the Subcontractor is capable of making satisfactory repairs or corrections, such repairs and corrections may be accomplished by BCC at the Subcontractor's expense. Should it become necessary for BCC to employ counsel, or to take legal action to enforce the obligation of the Subcontractor, or should BCC become involved in litigation arising out of or relating to any part of the Subcontract Work, the Subcontractor shall pay BCC attorney's fees in addition to actual costs and damages.

19. PATENT INDEMNITY

Subcontractor shall to the fullest extent permitted by law defend, indemnify and hold harmless BCC, its officers, agents, employees, and indemnities from and against any and all claims, losses, suits, damages, legal and otherwise in any way, arising out of or relating to any claim, action or proceeding for infringement of any patent or any trademark relating to or arising out of the Subcontract Work, or out of the use or disposal of the Subcontract Work.

20. INSURANCE

(A) The Subcontractor agrees that it will carry, at its sole expense, insurance in accordance with the Insurance Requirements set forth in Exhibit G attached hereto, as well as any and all insurance coverages required by the General Contract or applicable law if not specifically delineated. Regardless of the statutory or regulatory ability of any owner, partner, or employee to opt out of the workers' compensation coverage, all persons performing work under the Subcontract, whether at the Project site or not, shall be covered by workers' compensation insurance coverage within the minimum limits set forth by the Subcontract. The Subcontractor further agrees to insure all loss or damage to Subcontractor's work until acceptance and all owned or leased tools, vehicles and equipment.

(B) All insurance maintained by the Subcontractor, including any coverage in addition to, or not specified above, shall be written through a company authorized to sell such insurance in the State where the Project is located. Subcontractor shall cause BCC and Owner to be listed as additional insureds on its General Liability Insurance utilizing the most current form ISO CG 20 37 or substitute form providing equal or better coverage. The insurance procured and maintained by the Subcontractor will be primary, and not contributing with any other available insurance coverage. Prior to commencement of the Subcontract Work and as often thereafter as BCC may request, the Subcontractor will furnish to BCC original Certificates of Insurance, in a form acceptable to BCC, of the required insurance, and upon request by BCC, an actual

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copy of the policy or policies with all endorsements. The Certificates of Insurance shall state that in the event of cancellation or modification, notice will be delivered to BCC at least thirty (30) days in advance of the effective date of any cancellation or modification.

(C) The Subcontractor, for itself as well as its successors, subcontractors and insurers, hereby waives any claim or right of subrogation or like claims against BCC, Owner or any of their employees, officers, managers, agents, assigns and affiliates arising out of any losses covered by the Subcontractor's insurance. The Subcontractor shall provide waivers of subrogation in accordance with the insurance requirements set forth in Exhibit G.

(D) The Subcontractor agrees to insert the substance of this clause, including Exhibit G and this subparagraph (D), in all subcontracts and purchase orders it enters into for performance of the Subcontract Work.

(E) BCC shall have the right at its sole discretion, but not the obligation, to purchase such insurance as required by this clause, and to withhold payment to the Subcontractor or otherwise obtain payment from the Subcontractor for such sums necessary to purchase the insurance.

21. LIABILITY AND INDEMNIFICATION

(A) To the fullest extent allowed by law, Subcontractor shall defend (through an attorney selected by BCC), indemnify and hold harmless BCC, its officers, agents, employees, and indemnities from and against any and all claims, notices, orders, losses, suits, damages (including consequential or punitive damages) legal and otherwise, and liabilities incurred by or asserted against BCC which in any way arise out of or are related to (1) defective Subcontract Work, (2) Subcontract Work which does not conform to the Subcontract requirements, (3) any inaccuracy of information or violation of any certification provided by Subcontractor, (4) Subcontractor's failure to comply with the Subcontract, or (5) any death, personal injury, damage or loss to property occasioned wholly or in part by any act or omission of Subcontractor, its agents, employees, or subcontractors, arising out of or related to the Subcontract Work. SUBCONTRACTOR AGREES THAT TEN DOLLARS OF THE SUBCONTRACT SUM IS PAID IN CONSIDERATION OF THIS INDEMNITY PROVISION.

(B) To the full extent allowed by law, Subcontractor will defend, indemnify, and hold harmless BCC, its bonding company, employees, officers, and agents, as well as Owner, from any and all costs (including interest and attorney's fees), claims, and causes of action in any way related to any lien or other claim for payment of monies owed on the Project from any lower tier subcontractor or supplier to Subcontractor and any other third person claiming to be owed for labor or materials supplied to the Project and within the scope of or related to the Subcontract Work; or 2) any claim against any payment or performance bond posted by BCC or higher tier contractor, that relates to work within the scope of the Subcontract Work.

(C) "If the Project is privately owned and in the State of North Carolina, Subcontractor hereby acknowledges receipt of a written notice properly identifying the Owner's Lien Agent and Subcontractor waives any claim against BCC for any alleged failure to provide that notice."

(D) Subcontractor shall reimburse BCC for all legal and other expenses reasonably incurred in connection with investigating or defending any claim, notice, order, loss, suit, damage, liability or resulting action.

(E) The Subcontractor shall be solely responsible for all materials, equipment and work until BCC and the Owner finally accept the Project.

(F) It is understood and agreed that the Subcontractor's indemnification obligations to BCC under this Subcontract survive any termination of this Subcontract. To the fullest extent allowed by law, the indemnification obligations under this Subcontract also shall not be limited in any way by the types or limitations of insurance coverage carried by the Subcontractor.

22. BONDS

(A) If indicated by checking this provision on page one of this Subcontract Agreement, the Subcontractor agrees that it shall provide a Performance Bond equal to 100% of the Subcontract Sum and a Labor and Material Payment Bond equal to 100% of the Subcontract Sum, in favor of BCC, on standard industry-accepted bond forms as security for faithful performance of the work and payment of all labor and material used in the prosecution of the Subcontract Work. The surety on such bonds shall be duly authorized to do business in the location where the Project is performed and shall be subject to approval by BCC.

(B) If the Project is a public project funded by the State of North Carolina and for which a bond is required by N.C. Gen. Stat. § 44A-26(a), the Subcontractor acknowledges receipt of BCC's project statement and waives any defense as to the enforceability of this Subcontract with respect thereto. If N.C. Gen. Stat. § 44A-26(a) requires a bond, Subcontractor shall provide a copy of BCC's project statement to each of the Subcontractor's lower tier subcontractors or suppliers engaged to perform labor or furnish materials to the Project. The Subcontractor further agrees to require all such lower tier subcontractors and suppliers to provide a copy of BCC's project statement to any lower tier subcontractor or supplier engaged by them.

23. TERMINATION OF SUBCONTRACTOR

(A) Termination for Cause.

a. BCC has the right to terminate Subcontractor for cause, without notice, on any of the following grounds: serious safety violations as determined by BCC; receiving notice of a serious safety violation from OSHA or any other government entity with jurisdiction; failure to promptly pay Subcontractor's employees, suppliers, or sub-subcontractors regardless of the reason therefor; Subcontractor abandoning the job; Subcontractor ceasing its performance or its repudiation of its obligations under this Subcontract; or the insolvency or receivership of Subcontractor.

b. BCC has the right to terminate Subcontractor for cause, with notice, on any of the following grounds: breach of any term of this Subcontract; failure to provide sufficient skilled labor or materials of proper quality; failure to repair defective work; failure to prosecute the Work promptly and diligently to promote the progress of the Project; failure to provide or continue in force the insurance or bonds required by this Subcontract; failure to commence, prosecute and complete its work when scheduled by BCC; or failure to honor the indemnity, warranty and other provisions of this Subcontract. BCC's notice of potential termination to Subcontractor shall state the default requiring immediate corrective action by Subcontractor. Subcontractor shall thereafter have three (3) business days to correct any such default, and failure to do so will be grounds for termination without further notice. Any such notice will be deemed given upon the occurrence of any of the following: (a) being faxed to the subcontractor's last known fax number, or (b) Emailed to Subcontractor's

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last known Email address; or (c) deposited with the US Postal Service, postage prepaid, and addressed to Subcontractor at its last known address. Subcontractor's failure or refusal to accept or acknowledge receipt of any such notice will not defeat the validity of such notice.

c. All payments to Subcontractor shall cease upon termination for cause. Upon termination of Subcontractor for cause, BCC shall be at liberty to provide any such materials or perform any such work or labor and to deduct the costs thereof (plus 10% for BCC's overhead) from any money then or thereafter to become due to Subcontractor under this Subcontract. BCC shall also be at liberty to enter upon and take possession of the premises and of all materials thereon (including, without limitation, finished material and equipment to be installed) which, upon any such default, are hereby sold, assigned and transferred to BCC and to provide all other necessary materials, equipment, tools and appliances and complete or employ others to complete the Work required by this Subcontract at the cost, charge and expense of Subcontractor. Should said costs, expenses and overhead exceed sums due Subcontractor, Subcontractor and its surety shall be liable to BCC for any such overrun. If the cost of completing Subcontractor's work after all of the above charges is less than the balance otherwise due under the Subcontract, Subcontractor shall be entitled to the difference. It is expressly agreed that upon termination of Subcontractor, BCC shall have the right, but not the obligation, to contract (at Subcontractor's expense) with a competent replacement subcontractor on a time and material basis and to order any acceleration of the Work to avoid or mitigate other delays, costs, and damages on the Project.

(B) Termination without cause.

a. BCC has the right to terminate this Subcontract without cause, and its liability to Subcontractor in that event will be limited to payment for work actually completed at the unit prices provided for herein or, if this is not a unit price contract, the percentage completed of all work performed and incorporated into the Project by Subcontractor. Subject to the limitations contained in this paragraph, Subcontractor will also be compensated the amount paid by Subcontractor or owed for materials specially ordered for use on the Project but not yet incorporated into the Project and for other unavoidable expenses actually owed to third persons for work not yet incorporated into the Project. All such materials shall be turned over to BCC. BCC will not have to pay a termination fee or pay for "lost profits and overhead" or any other non-direct costs unless the General Contract provides for such payment and Owner actually pays BCC for such indirect costs related to Subcontractor's early termination. In no event shall the total amount paid or due Subcontractor for early termination exceed the Subcontract Price. If any termination for cause should later be determined to have been unjustified, then such termination will be deemed to have occurred under this subparagraph and Subcontractor's recovery limited accordingly.

24. COMPLIANCE WITH LAW

(A) Subcontractor shall comply with all federal, state and local laws, regulations, ordinances, orders, notices, actions, policies or common laws, including, but not limited to, those concerning the proper handling, transportation, treatment, removal or storage of hazardous wastes, substances or materials, or any substance the presence of which requires investigation or remediation, the Fair Labor Standards Act of 1938 (29 U.S.C. §§201-219), the Occupational Safety and Health Act of 1970, the Buy American Act (41 U.S.C. §10) and Executive Order 10582, December 17, 1954, all as amended, and including any regulations or standards issued thereunder;

(B) If this Subcontract arises under or relates to a government contract, grant or other government funding, Subcontractor certifies that it is eligible to receive such contracts, grants or funds from that government entity and that neither it nor its principals or employees have been convicted of any acts which would render Subcontractor or any of its principals or employees ineligible for receipt of a contract, grant or funds from such government entity; and Subcontractor shall execute Federal Government Form SF 1413 or other applicable government forms if requested.

25. WORK RULES, DAILY REPORTS, AND SAFETY

(A) Subcontractor shall comply with all BCC Work Rules and Safety Procedures as set forth in Exhibit K attached hereto. The Subcontractor shall at all times keep the work site free from accumulation of waste materials or rubbish caused by Subcontractor. Upon completion of the Subcontract Work, the Subcontractor shall remove from and about the work site all of its rubbish, surplus materials, tools, equipment, scaffolding, and other items, and shall leave the site in a clean and orderly condition satisfactory to BCC and the Owner. Should the Subcontractor fail to comply with any or all of the requirements hereunder, upon 24 hour notice, BCC will perform the necessary clean up at the sole expense of the Subcontractor.

(B) Subcontractor shall take all reasonable safety precautions with respect to the performance of the Subcontract Work, shall comply with all safety regulations initiated by BCC or the Owner, and with all applicable laws, ordinances, rules, regulations and lawful orders of any public authority for the safety of persons or property. Further, the Subcontractor shall comply with the safety and health standards of the Occupational Safety and Health Act of 1970, and all additions and modifications thereafter. The Subcontractor shall hold BCC harmless for any violation by the Subcontractor's workers, employees, agents or lower tier subcontractors of any law or regulation, and shall reimburse BCC for any fines, damages, or expenses of any kind incurred by reason of the Subcontractor's failure or the failure of its lower tier subcontractors to comply with such law or regulation.

26. EQUAL OPPORTUNITY STATEMENT

(A) The Subcontractor shall not discriminate against any employee or applicant for employment because of race, color, religion, sex, age, disability, gender, or national origin. If the Project is for the federal government, the Subcontractor shall take affirmative action to ensure that applicants are employed, and that employees are treated during employment, without regard to their race, color, age, religion, sex, disability, gender, veteran status or national origin. Such action shall include, but not be limited to the following: Employment, upgrading, demotion, or transfer, recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship. The Subcontractor agrees to post in conspicuous places, available to employees and applicants for employment, notices setting forth the provisions of this nondiscrimination and affirmative action clause.

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(B) If the Project is for the federal government, the Subcontractor shall, in all solicitations or advertisements for employment placed by or on behalf of the Subcontractor, state that all qualified applicants will receive consideration for employment without regard to race, color, religion, sex, age, disability, gender, national origin, or veterans status.
(C) If the Project is for the federal government, the Subcontractor shall send to each labor union or representative of workers with which he has a collective bargaining agreement or other contract or understanding, a notice advising the labor union or workers' representative of the Subcontractor's commitments under section 202 of Executive Order 11246 of September 24, 1965, and shall post copies of the notice in conspicuous places available to employees and applicants for employment.
(D) If the Project is for the federal government, the Subcontractor shall comply with all provisions of Executive Order 11246 of September 24, 1965, and of the rules, regulations, and relevant orders of the Secretary of Labor.
(E) If the Project is for the federal government, the Subcontractor shall furnish all information and reports required by Executive Order 11246 of September 24, 1965, and by the rules, regulations, and orders of the Secretary of Labor, or pursuant thereto, and will permit access to his books, records, and accounts by BCC, the Owner or the Secretary of Labor for purposes of investigation to ascertain compliance with such rules, regulations, and orders.
(F) In the event of the Subcontractor's noncompliance with the nondiscrimination clauses of the Subcontract or with any of such rules, regulations, or orders, the Subcontract may be canceled, terminated or suspended in whole or in part and the Subcontractor may be declared ineligible for further government contract work in accordance with procedures authorized in Executive Order 11246 of September 24, 1965, and such other sanctions may be imposed and remedies invoked as provided in Executive Order 11246 of September 24, 1965, or by rules, regulation, or order of the Secretary of Labor, or as otherwise provided by law.

27. ASSIGNMENTS AND SUBCONTRACTORS

Neither this Subcontract, nor any rights hereunder, shall be assignable or otherwise transferable by Subcontractor without the prior written consent of BCC. Any assignment or transfer without such written consent is void. Subcontractor shall not subcontract all or any portion of the Subcontract Work without the prior written consent of BCC. Such written consent shall not in any way diminish the responsibility of Subcontractor to comply with this Subcontract. Furthermore, Subcontractor shall include the terms of the Subcontract, including government regulations and clauses, into any sub-subcontract or purchase order. In the event of the default or termination of the Subcontractor by BCC, Subcontractor agrees that BCC shall have the right but not the obligation to an assignment of subcontracts and purchase orders related to the Subcontract Work of Subcontractor, and Subcontractor shall make such assignments at the request of BCC.

28. GENERAL PROVISIONS

(A) All headings are for convenience and shall not affect the interpretation of the Subcontract; (B) In the event that any provision of the Subcontract conflicts with law or regulation, such conflict shall not affect other provisions of this Subcontract which can be given effect without the conflicting provision; (C) The failure of BCC to insist on performance of any provision of the Subcontractor shall not be construed as a waiver of that provision in any later instance; (D) This Subcontract contains the entire agreement between the parties hereto, and may not be changed, altered, modified, limited or extended, unless such agreement be expressed in writing and signed by the parties; (E) The person executing this Subcontract on behalf of Subcontractor warrants their authority to bind Subcontractor to the Subcontract, and Subcontractor shall provide evidence of such authority upon request by BCC; (F) The remedies of Subcontractor herein are cumulative and are in addition to any other remedies provided by law; (G) This Subcontract shall be governed and construed in accordance with the laws of the State of North Carolina without regard to its choice of law rules. (H) While reserving its right to be paid for work under this Subcontract (with interest as allowed herein), the Subcontractor does hereby waive any and all claims for any other damage to its business as a result of any breach of this Subcontract or any conduct between the parties related thereto. This damage waiver includes, but is not limited to, any and all claims for incidental and consequential damages that might be incurred by Subcontractor and any claims for lost bonding capacity or even the ultimate failure of Subcontractor's business. Subcontractor specifically waives any claims beyond the contract balance due under the express terms of this Subcontract. Subcontractor expressly waives any and all causes of action other than for breach of contract for any dealings between the parties with respect to the Project that this Subcontract relates to.

29. NOTICES

All notices to BCC shall be sufficient if in writing and (A) personally delivered to a corporate officer or (B) sent by certified mail, return receipt requested and postage prepaid to the address identified in the Subcontract, (C) sent via email to a known working address of a corporate officer with read receipt and proof of read receipt or a reply email. For the purposes of this contract an auto-response shall not constitute receipt of notice.

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Wherefore, the parties have placed their hands and seals.

Bordeaux Construction Company, Inc.

By: _____ _____
(Signature of Authorized Representative) (SEAL) (Witness) (SEAL)

J. Blair Bordeaux, President
Project Executive, Bordeaux Construction
(Printed Name of Authorized Representative) (SEAL)

Date: _____

«SubcontractorNam»

Contractor's License No. _____ Class _____ Expiration _____ Fed ID or SS No. _____

_____ _____
(Signature of Authorized Representative) (SEAL) (Witness) (SEAL)

_____
(Printed Name and Title of Authorized Representative) (SEAL)

Date: _____

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SUBCONTRACTOR
PAYMENT BOND

Bond No.:

KNOW ALL BY THESE PRESENTS, That we, (subcontractor's name), called the Principal, and (surety's name), a (state) corporation, called the Surety, are held and firmly bound unto (Here insert the name and address, or legal title of the General Contractor), hereinafter called the Obligee, in the sum of U.S. Dollars ($) (the "Penal Sum"), for the payment whereof said Principal and Surety bind themselves, their heirs, executors, administrators, successors and assigns, jointly and severally, as provided herein.

WHEREAS, the Principal has entered into a subcontract numbered with the Obligee, dated , for project ("Subcontract").

NOW, THEREFORE, the conditions of this obligation are such that if the Principal shall promptly make payment to all Claimants as hereinafter defined for all labor and material used, consumed or incorporated in the performance of the construction work to be performed under the Subcontract, then this obligation shall be void; otherwise to remain in full force and effect, subject, however, to the following conditions:

1. A Claimant is defined as one other than the Obligee having a contract with the Principal or with a direct subcontractor of the Principal to supply labor and/or materials and such labor and/or materials are actually used, consumed or incorporated in the performance of the construction work under the Subcontract.

2. The above-named Principal and Surety hereby jointly and severally agree with the Obligee that every Claimant as herein defined who has not been paid in full before the expiration of a period of ninety (90) days after the date on which the last of such Claimant's work or labor was done or performed or materials were furnished by such Claimant, may bring suit on this bond, prosecute the suit to final judgment for the amount due under Claimant's contract for the labor and/or materials supplied by the Claimant which were used, consumed or incorporated in the performance of the work, and have execution thereon; provided, however, that a Claimant having a direct contractual relationship with a direct subcontractor of the Principal shall have a right of action on this bond only if said Claimant notifies the Principal and Surety in writing of its claim within ninety (90) days from the date on which said Claimant did or performed the last labor and/or materials for which the claim is made. Such notice shall be served by mailing the same by registered mail or certified mail, postage prepaid, in and envelope addressed to the Principal and Surety, at any place where an office is regularly maintained for the transaction of business, or served in any manner in which legal process may be served in the state in which the project is located, save that such service need not be made by a public officer.

3. No suit or action or arbitration shall be commenced hereunder by any Claimant:

a. After the expiration of the earlier of: (1) one year after the day on which the Claimant last supplied the labor and/or materials for which the claim is made; or (2) the limitation period set forth in the public works bond statutes, if any, in the location where the construction work is being performed. Any limitation contained in this bond which is prohibited by any law controlling in the state where the suit is filed shall be deemed to be amended so as to be equal to the minimum period of limitation permitted by the law of that state, and said period of limitation shall be deemed to have accrued and shall commence to run on the day the Claimant last supplied the labor and/or materials for which the claim is made; and

b. Other than in a state court of competent jurisdiction in the county or other political subdivision of the state in which the project, or any part thereof, is situated, or in the United States District Court for the district in which the project, or any part thereof, is situated, and not elsewhere.

The Obligee shall not be liable for the payment of any costs or expenses of any such suit action or arbitration.

4. The Penal Sum of this bond shall be reduced by and to the extent of any payment or payments made in good faith hereunder. The Surety's liability hereunder is limited, singly, or in the aggregate, to the Penal Sum of the bond set forth herein.

Signed this day of , 20 .

(Principal)

By: _____

(Surety)

By: _____
, Attorney-in-Fact

SUBCONTRACT PERFORMANCE BOND

Bond No.:

KNOW ALL BY THESE PRESENTS: That [name of subcontractor], a [state] corporation, as Principal, hereinafter called Principal, and [name of surety], a [state] corporation, as Surety, hereinafter called Surety, are held and firmly bound unto [name of contractor], as Obligee, hereinafter called Obligee, in the amount of U.S. Dollars ($) (the "Penal Sum"), for the payment whereof Principal and Surety bind themselves, their heirs, executors, administrators, successors and assigns, jointly and severally, firmly by these presents.

WHEREAS, Principal has by written agreement dated entered into a subcontract number with Obligee for the performance of subcontract work , including warranty obligations, in accordance with drawings and specifications for the construction of the project (hereinafter "the Project"), which subcontract is by reference made a part hereof, and is hereinafter referred to as the "Subcontract".

A. NOW, THEREFORE, THE CONDITIONS OF THIS OBLIGATION are such that, if Principal shall promptly and faithfully perform said Subcontract, then this obligation shall be null and void; otherwise it shall remain in full force and effect, subject to the following conditions: (i) Principal is in default under the Subcontract; and (ii) Principal has been declared by Obligee to be in default under the Subcontract; and (iii) the Obligee has performed its obligations under the Subcontract. Upon the occurrence of each of the above conditions, Surety shall have 30 days ("Investigatory Period") from the last event to occur of the following: (a) receipt of the written notice of default; (b) the date access to the Project site is provided to Surety; or (c) the date the information and documentation in Obligee's or its agent's possession and requested by Surety is received by the Surety, which information and documentation must be requested by Surety within 10 days of its receipt of Obligee's written notice of default, to:

   (1) Notify Obligee that it has elected to complete the Subcontract through independent contractor(s) retained by Surety and thereafter commence such performance with reasonable promptness. In such event, that portion of the Balance of the Subcontract Price as may be required to complete the Subcontract or remedy the default and to reimburse the Surety for its expenditures shall be paid to the Surety at the times and in the manner as said sums would have been payable to Principal had there been no default under the Subcontract; or
   (2) Notify the Obligee that it has elected to arrange for a subcontract between Obligee and a replacement subcontractor reasonably acceptable to Obligee guaranteed by subcontract performance and payment bonds provided by the replacement subcontractor in the amount of the replacement subcontract. In such event, Surety shall pay Obligee the difference between the cost of the replacement subcontractor and the amount that would have been payable to the Principal had there been no default under the Subcontract. Such payments may be in a lump sum (in the case of a lump sum subcontract) or periodically as incurred by Obligee; or
   (3) Request that Obligee complete the Subcontract. In such event, Surety shall pay Obligee the difference between the reasonable cost of a replacement subcontractor and the amount that would have been payable to the Principal had there been no default under the Subcontract; or
   (4) Arrange to provide financial and/or other assistance to the Principal ("Financing") to assist the Principal with completion of the Subcontract. In the event Obligee has formally terminated Principal's right to proceed under the Subcontract, this option shall be subject to Obligee's concurrence, which shall not be unreasonably withheld. The Obligee shall pay the Balance of the Subcontract Price as directed by the Surety. In the event Surety provides Financing, Surety, in its sole discretion, may upon written notice to Obligee cease providing such Financing at any time, in which event Surety shall immediately make a further election without a further Investigatory Period under this paragraph A; or
   (5) Deny liability and notify the Obligee, citing the reasons therefor; or
   (6) After investigation, determine the amount for which it may be liable to the Obligee and, as soon as practicable after the amount is determined, make payment to the Obligee.

B. After Obligee has provided Surety with written notice of the Principal's default, and during the Investigatory Period and any subsequent period before the commencement of work under paragraph A, subparagraphs 1 or 2, Obligee may take action pursuant to its Subcontract rights to mitigate the damages caused by the

Principal's default. To the extent that Obligee performs obligations under the Subcontract during this period (the "Mitigation Work") Obligee shall be entitled to deduct the Cost of the Mitigation Work from the Balance of the Subcontract Price. To the extent the Balance of the Subcontract Price is exhausted, and Surety elects to proceed under paragraph A, subparagraphs 1, 2, 3 or 4, Surety shall reimburse Obligee for the difference between the Balance of the Subcontract Price and the Cost of the Mitigation Work incurred and paid by Obligee.

C. If Surety proceeds under paragraph A, subparagraphs 1, 2, 3, 4 or 6, Surety may additionally advise in its notice of its election to Obligee that the Obligee's claim is disputed as to liability and/or amount and Surety is proceeding under a reservation of all rights and defenses. In that event, Surety shall make all payments otherwise called for under this Bond. However, in the event it is determined that Surety is not liable, in whole or in part, under this Bond and Surety expended monies in excess of the funds paid by Obligee to Surety, then Surety shall be entitled to recover the excess from Obligee.

D. The Surety's aggregate liability is limited to the Penal Sum of this Bond, regardless of whether the liability arises from the actions or failure to act of Principal or Surety. All amounts expended by the Surety under paragraphs A and/or B and/or C of this Bond, in excess of funds paid by Obligee to Surety, shall be credited against the Penal Sum. However, in the event it is determined that Surety expended monies in excess of the Penal Sum of this Bond, then Surety shall be entitled to recover the excess from Obligee. The Penal Sum of this Bond shall automatically be increased or decreased by the amount of any change order, provided the change order(s) do not, either singly or in the aggregate, exceed 10% of the original Subcontract amount. Should any change order singly or in the aggregate exceed 10% of the original Subcontract amount, Surety's written consent must be obtained by Obligee in order to increase the penal sum.

E. Definitions:

(1) The term "Balance of the Subcontract Price," as used in this Bond, shall mean the total amount payable by Obligee to Principal under the Subcontract and any amendments thereto, less the amounts heretofore properly paid by Obligee under the Subcontract.
(2) The term "Cost of the Mitigation Work" means the cost actually incurred by Obligee in proper performance of work under the Subcontract, including remedying defects in the work of the Principal. Such costs shall be at rates and hours not higher than the standard customarily incurred at the place of the Project except with the prior written consent of the Surety. Obligee's overhead (both field and home office) as well as profit shall be included in the Cost of the Mitigation Work at a markup of 15% to the actual labor, material, equipment, and subcontractor costs incurred and paid for by Obligee. Obligee shall not apply markup to the cost of any subcontractor that is affiliated with Obligee.

F. Notwithstanding any provision in this Bond and any document incorporated herein to the contrary, any proceeding, legal or equitable, under this Bond must be instituted in a court of competent jurisdiction in the location in which the work or part of the work is located and shall be instituted within two years after a declaration of default or within two years after the Principal ceased working or within two years after the Surety refuses or fails to perform its obligations under this Bond, whichever occurs first. If the provisions of this paragraph are void or prohibited by law, the minimum period of limitation available to sureties as a defense in the jurisdiction of the suit shall be applicable.

G. No right of action shall accrue on this Bond to or for the use of any person or corporation other than the Obligee named herein or the heirs, executors, administrators or successors of the Obligee.

H. Any notice given or any demand made under this Bond shall be given in writing and may be provided to the following email address or given by any method of delivery that provides evidence or confirmation of receipt, including personal delivery, express courier (such as Federal Express), and prepaid certified or registered mail with return receipt requested. The Surety's address for notice is .

I. The Surety shall not be liable to the Obligee or others for obligations of the Principal that are unrelated to the Subcontract work, and the Balance of the Subcontract Price shall not be reduced or set off on account of any such unrelated obligations.

J. The Surety hereby waives notice of change, including changes of time, to the Subcontract, purchase orders or other obligations.

Signed this day of , .

(Principal)

By: _____

(Surety)

By: _____
, Attorney-in-Fact

SECTION 7
EXHIBITS

- EXHIBIT A: SCOPE OF WORK
- EXHIBIT B: BP-01 GENERAL INCLUSIONS
- EXHIBIT C: DOCUMENT LIST
- EXHIBIT D: SAMPLE APPLICATION FOR PAYMENT FORM
- EXHIBIT E: SUBMITTAL FORM
- EXHIBIT F: LIST OF SECOND-TIER SUBCONTRACTORS
- EXHIBIT G: INSURANCE REQUIREMENTS
- EXHIBIT H: SUBCONTRACTOR SUPPLIER INFO. SHEET
- EXHIBIT I: SAMPLE RFI FORM
- EXHIBIT J: CHANGE PROPOSAL REQUEST FORM
- EXHIBIT K: SAFETY REQUIREMENTS
- EXHIBIT L: NOT USED
- EXHIBIT M: VIRTUAL CONSTRUCTION REQUIREMENTS

Subcontractor Scope of Work
Exhibit A

Waccamaw K-8 Building Replacement
Job No. 1952

BP ##A - Template

This bid package is intended to be complementary to the Contract Documents including the Project Drawings, Specifications, Addendum and Project Manual. Subcontractor acknowledges that the Subcontractor Specific Requirements are not intended to describe the complete and final work scope. Reference is made to the Specifications Sections, but is in no way intended to limit or alter the intent of the contract documents.

Subcontractor shall perform all work and shall furnish all layout, supervision, materials, labor, scaffolding, tools, equipment, supplies, services, rigging, craning and hoisting of all materials and equipment, temporary protection of own work, coordination of own work and interaction of work of others, home office and field administration, project management, scheduling, field supervision, engineering, quality control, safety, taxes, insurances, permits, punch list, closeouts and all other things necessary or reasonably incidental for the construction and completion of their work as portrayed in the enclosed enumerated contract documents and specification sections as referenced below:

SUBCONTRACTOR'S WORK SPECIFICALLY INCLUDES:

Bordeaux Bidding Requirements and Information 3/17/2020

Division 01 – General Requirements
Division XX – Template

All Related Sections/Requirements referenced within each Division and/or section

SUBCONTRACTOR SPECIFIC REQUIREMENTS:

1. BP-01 General Inclusion Items as applicable to complete Work
2. Requirement 2
3. Requirement 3

SPECIFIC EXCLUSIONS

1. Exclusion 1

SAMPLE

ALLOWANCES

1. Allowance 1
2. Allowance 2
3. Allowance 3

ALTERNATES

Refer to individual bid scope for applicable alternates

UNIT PRICES

UP-1	(*Brief Description*)	(*Unit*)_____Unit Price ($) _____
UP-2	(*Brief Description*)	(*Unit*)_____Unit Price ($) _____
UP-3	(*Brief Description*)	(*Unit*)_____Unit Price ($) _____
UP-4	(*Brief Description*)	(*Unit*)_____Unit Price ($) _____
UP-5	(*Brief Description*)	(*Unit*)_____Unit Price ($) _____

SAMPLE

Exhibit B

Waccamaw K-2 Building Replacement
Job No. 1952

BP 01 – General Inclusions

This bid package is intended to be complementary to the Contract Documents including the Project Drawings, Specifications, Addendum, and Project Manual. Subcontractor acknowledges that the General Inclusions and Subcontractor Specific Requirements are not intended to describe the complete and final work scope. Reference may be made to the Specifications Sections, but is in no way intended to limit or alter the intent of the contract documents.

BID PACKAGE BP-01 GENERAL INCLUSIONS

The work contained within this bid package detail work for inclusion in all bid packages. Refer to specific bid packages for trade specific requirements and exclusions

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1. DEFINITIONS

a. Unless otherwise noted, all references to "General Contractor", "Subcontractor", "Construction Manager", "CM", "Construction Manager at Risk", "CMAR", "Contractor" or similar in the contract documents shall be understood to work performed under this bid package

b. "Construction Manager" refers to Bordeaux Construction and may also be referenced interchangeably as BCC throughout the Bid Manual, Subcontract Agreement and bidding documents

2. CONTRACT

a. Subcontractor is to include all items in the bid scope in their bid price and agrees to enter into proposed form of subcontract without exception

b. The general contract with the Owner (the "General Contract") is incorporated by reference and made a part of the Subcontract Agreement. Except as modified herein, Subcontractor assumes the same obligations to BCC under the Subcontract Agreement that BCC assumes to the Owner with respect to the Subcontract Work. The language of applicable clauses from the General Contract shall be construed to express the BCC /Subcontractor relationship.

c. In the event of a conflict between any such provisions in the General Contract and the Subcontract Agreement, the terms and conditions of the Subcontract Agreement shall govern

d. Subcontractor acknowledges that it has made a site visit to review conditions that may relate to the performance of the Subcontract Work and has incorporated such knowledge into its Bid for the Subcontract Work

e. Subcontractor has reviewed **ALL** bid and contract documents and has based its bid as such. No claims shall be made for estimates or bids submitted from partial or incomplete sets

f. Subcontractor represents that the bid packages provided within this bid manual are intended as a summary of work and are included as a courtesy

g. Scope of work clarifications within bid packages does not waive any other contract requirements specified in the Bidding Documents or Contract Documents

h. It is understood that Subcontractor, consistent with the terms outlined within the Subcontract Agreement, assumes toward Construction Manager and Owner all obligations that Construction Manager assumes toward Owner in the *Construction Manager Subcontractor Agreement: Construction Services* (Owner Contract) with respect to the work to be performed by Subcontractor under the Subcontract Agreement and that Construction Manager shall have the benefits of all rights, redress and remedies against Subcontractor that Owner has against Construction Manager under the Owner Contract. The Owner Contract is available for review at Construction Manager's home office upon request. It is Subcontractor's responsibility to review and familiarize itself with the Owner Contract and by executing its Subcontract Agreement Subcontractor represents that it has done so. In the event of a conflict between one or more of the Contract Documents, the provision imposing the more demanding term, condition, duty or standard of performance or the greater limitation on the nature and type of relief or damages allowed to Subcontractor shall control

i. Subcontractor has reviewed the proposed form of Subcontract as well as all exhibits and takes no exceptions. The successful bidder will execute the Subcontract Agreement in its current form and without any modification. No previous agreements or terms shall apply to this Subcontract Agreement

j. Subcontractor shall procure all insurances required as detailed in the subcontract agreement and Exhibit G, Insurance Requirements

k. Subcontractor acknowledges that failure to secure insurance coverage or failure to comply with any of the insurance provisions of the Subcontract Agreement or the Contract Documents shall in no way relieve Subcontractor its obligations under the Subcontract Agreement or the Contract Documents

3. COORDINATION BETWEEN PLANS

a. Bidder shall carefully study and compare the Bidding Documents with each other and with other work being bid concurrently or presently under construction to the extent that it relates to the Work for which the Bid is submitted

b. Bidder shall examine the site and local conditions and shall at once report to Construction Manager any errors, inconsistencies or ambiguities discovered

c. Contract Documents including plans, specifications, bid manual, etc. are complementary. Bid packages, specification divisions and drawing divisions are provided as a courtesy, but are in no way construed to relieve Subcontractor from performing work contained within the Subcontract Agreement

d. For purposes of bidding, procuring and performing the Work, and in any event of conflicts or ambiguities between the excerpted information in the Contract Documents, the requirements of applicable codes and standards, the requirements of the specifications, bid manual, etc., Subcontractor is deemed to have provided the better quality or greater quantity of Work

4. ELECTRONIC CONTRACT DOCUMENTS

a. Bidder will be provided contract documents electronically via Procore. No hard copies will be provided.

b. Successful Bidder will be provided Contract Documents electronically via Procore:
   i. No hard copies will be provided
   ii. Contact Matt Miller (matt@bordeauxconstruction.com) for Procore access

c. Subcontract shall be based on the "Contract Documents" as detailed in the Subcontract Agreement. BCC will provide access to a Bluebeam studio session for the benefit of all trades. The Bluebeam studio session will include access to a "conformed" set of documents. BCC makes no representation to the completeness of the "Conformed" set of documents. Subcontractor agrees to waive any and all claims and hold harmless BCC from any claims that may arise from the completeness, accuracy, or any lack thereof of the "Conformed" set

d. Building Information Modeling (BIM) will be provided on this project, refer to Exhibit M of the Subcontract Agreement. Subcontractor shall include all costs in the base bid for BIM software, meetings, coordination, travel, as required for coordination of work provided under their respective bid package

e. All trade disciplines required to provide coordination drawings will be subject to participation in the Virtual Construction Process. These subcontractors will need to make use of relevant technology in order to model their content. An on-site kick-off meeting along with several go-to meetings will be required in order to effectively coordinate the project model. If Subcontractor uses a 3rd party to model their content, the individual from the 3rd party must be an active participant in these meetings. Exhibit M in the Subcontract Documents provides more information on the Virtual Construction Requirements

5. TEMPORARY UTILITIES & FACILITIES

a. Temporary power will be provided to temporary power panel (provided by BP-26A). Subcontractors shall include the cost of alternate power supplies (temporary generators or battery powered equipment) for its work until temporary power service is available at the project. All temporary power consumption charges will be paid for by Construction Manager

b. Unless specifically noted in the bid package, any temporary power requirements in excess of the temporary power panel (3 phase power pigtails or generator) are to be provided by Subcontractor at no additional expense to the project

c. Temporary water will be provided by BP-31A Site Work. With the exception of temporary water usage for landscape maintenance, all water consumption charges will be paid for by Construction Manager

d. Temporary toilets will be provided by Construction Manager for Subcontractor's use

e. Subcontractor is responsible for providing drinking water for all workers supplied under its bid scope

6. ALLOWANCES

a. Subcontractor shall include in the Contract Sum all allowances stated in the bid package

b. Unless otherwise provided in the Contract Documents, the allowance amount following shall include:

   i. Subcontractor's cost of materials and equipment delivered at the site and all required taxes, less applicable trade discounts

   ii. Subcontractor's costs for unloading and handling at the site

   iii. Installation costs, overhead, profit and other expenses contemplated for stated allowance amounts shall be included in the Contract Sum but not in the allowances; and

   iv. Whenever costs are more than or less than allowances, the Contract Sum shall be adjusted accordingly by Change Order using unit prices as included in contract where applicable

c. Materials and equipment under an allowance shall be selected by Owner with reasonable promptness. Subcontractor shall identity the date for Owner's selection on the critical path of Construction Manager's Construction Schedule; allow Owner a minimum notice of two weeks before this date

7. CHANGE ORDERS

a. All change orders shall be submitted on the change proposal form(s) included as Exhibit J of the Project Bid Manual

b. Change Orders shall be prepared utilizing subcontractor (2nd tier, 3rd tier, etc.) quotes, presented in the same format [use Change Order Form, Exhibit L] and subject to the same requirements

c. Claims for additional cost by Subcontractor must be initiated by written notice to Construction Manager within 21 days after occurrence of the event giving rise to such Claim or within 21 days after Claimant first recognizes the condition giving rise to the Claim, whichever is later. At Construction Manager's sole discretion, Construction Manager may consider claims received after this period, but is under no obligation to accept claims for additional cost submitted after this time period

d. The cost to which overhead and profit is to be applied shall be determined based on the following, unless noted otherwise:

   i. Material quantities and unit prices (show sales tax as a line item)

   ii. Labor costs (unburdened cost, include man hours and unit rate per man hour. In the case where a unit price is included in the contract, apply unit rate)

   iii. Construction equipment cost (must provide rental invoice or substantiate equipment rental rate)

   iv. Lower-tier subcontractor costs (all lower-tier subcontractors must follow the same Change Order procedures)

   v. In order to facilitate checking of quotations for extras or credits, all proposals, except those so minor that their propriety can be seen by inspection, shall be accompanied by a complete itemization of costs in the

manner prescribed above. Where major cost items are changes to subcontracts, they shall be itemized also. In no case will a change involving over $500.00 be approved without such itemization

vi. **Do Not round values; use actual dollars and cents**

vii. Costs for bond premium shall only apply to those trades with a payment and performance bond required

e. When both additions and credits covering related Work or substitutions are involved in a change, the allowance for overhead and profit shall be figured on the basis of net increase, if any, with respect to that change

f. Failure by Subcontractor to provide the information requested shall result in rejection of the change order and a request for resubmittal. Delay in the processing of the change order due to lack of proper submittal by Subcontractor in accordance with this paragraph or due to errors in the change order calculations shall not constitute grounds for a time extension or basis for a claim. Subcontractor is responsible for submitting all changes on required change proposal form with all required auditable backup documentation.

g. Labor burden percentage shall not exceed **30%** in any case

h. The amount for Overhead and profit combined shall be based on the following schedule:

i. For Subcontractor (1st tier), for Work performed by Subcontractor's own forces, Ten percent **(10%)** of the cost

ii. For Subcontractor, for Work performed by its subcontractors (2nd tier, 3rd tier, etc.), Five percent **(5%)** of the amount due the lower-tier subcontractors

iii. For lower-tier subcontractors (2nd tier, 3rd tier, etc.) involved, for Work performed by that subcontractor's own forces, Ten percent **(10%)** of the cost

iv. For a deductive Change Order for Work performed by Subcontractor's own forces, Five Percent **(5%)** of the cost

v. For a deductive Change Order for Work performed by Subcontractor's lower-tier subcontractors (2nd tier, 3rd tier, etc.), Five Percent **(5%)** of the amount due the subcontractors

i. Labor Burden shall be defined as: costs that are applied to labor only, including but not limited to: worker's compensation and public liability, social security tax, old age and unemployment insurance, union welfare fund and fringe benefits

j. Overhead shall be defined as, but not be limited to: project management, home office personnel executive, wages of timekeepers, watchmen and clerks, admin, small tools, incidentals, general office expenses, insurance premiums, and all other expenses not included in "costs."

k. Change orders based on unit prices (as listed in the Contract Documents) shall include such breakdowns for work performed by Subcontractor and the cost extensions based on the unit prices in the Contract Documents. Unless otherwise noted, change orders based on Unit Price adjustments already include all required markup for cost, sales tax, labor burden, equipment, OH&P, etc… and shall apply to both additive and deductive change orders

l. If unit prices are stated in the Contract Documents or subsequently agreed upon, and if quantities originally contemplated are materially changed in a proposed Change Order or Construction Change Directive so that application of such unit prices to quantities of Work proposed will cause substantial inequity to the Owner or Subcontractor, the applicable unit prices shall be equitably adjusted

8. UNIT PRICES

a. Unit Prices as listed may be utilized by Construction Manager to make contract cost adjustments for changes in the Work. Unit prices shall include cost for labor, materials, equipment, insurances, taxes, bond premium, combined Overhead and Profit of fifteen percent (15%) and other related incidentals and remain firm and in effect for the duration of the contract

b. For the purpose of using a unit price as backup to a change order labor rate, the "unburdened" unit price shall be obtained by dividing the unit price by 1.45 (15% for OH&P 30% for labor burden). For example, a unit price for general labor of $17.4/hr. would equate to an unburdened labor rate of $12.00/hr. + $3.60/hr. for labor burden + $1.80/hr. for OH&P

9. SUPERVISION

a. Subcontractor is to have a competent English-speaking superintendent/foreman on site at all times, who has a thorough knowledge of the project including shop drawings and approved product data and also has the authority to make decisions for his company while work related to this contract is in progress. Construction Manager reserves the right to charge for its Superintendent/PM/Foreman cost to provide supervision and expertise for Subcontractor's work force

b. Construction Manager reserves the right to request a Superintendent/Foreman be removed from the project if deemed necessary for the project

c. Subcontractor shall notify Construction Manager in writing of any proposed replacement of its Superintendent/Foreman. Subcontractor shall not replace a competent Superintendent without prior written approval from Construction Manager. The requirements contained in this Article shall apply to any proposed replacement Superintendent, regardless if the proposed tenure is to be temporary or permanent

d. Subcontractor's superintendent/foreman shall have a cellular service enabled iPad with iOS 10.2.1 or later and equipped with a durable LifeProof protective case or equivalent. The iPad shall have at least the latest version of the Procore Construction Management Software application installed in order to have all live documents, drawings, submittals, etc. in hand and immediately accessible

e. Subcontractor's superintendent and sub-subcontractor's superintendent shall be equipped with a cellular communications device at all times enabling constant communication with BCC management. Details regarding phone numbers are required to be provided on subcontractors information form as part of your contract documentation/execution process

f. Subcontractor shall provide all required on-site field measurements for its bid package and has included said cost in its base bid

g. Subcontractor shall provide all engineering, coordination and layout for its work. Coordination with other trades is specifically included. Construction Manager will furnish (2) survey control benchmarks for trade use. Notify Construction Manager immediately of any discrepancies from benchmarks and work in place

10. SCHEDULE DELIVERY REQUIREMENTS

a. Subcontractor is responsible for all materials and equipment transportation and delivery cost for its scope of work:
   i. There is no guaranteed laydown and storage area at the site
   ii. There is no guaranteed storage on-site
   iii. Delivery of materials and equipment shall be of sufficient frequency to meet production requirements
   iv. Coordinate with Construction Manager for access to any area on site to include interim staging requirements
   v. Unless otherwise agreed to by Construction Manager, Subcontractor shall keep no more than **15 days** material on-site at any given time

b. Laydown areas, when provided to the project, are for use solely as directed and approved by Construction Manager:
   i. Stored materials will only be allowed on-site with **PRIOR** approval by Construction Manager
   ii. Subcontractor shall be responsible for temporary protection, storage units, tarps, dunnage, stone paving, etc. in addition to all labor and equipment costs to unload, stage, handle, etc.

c. All deliveries must be scheduled with the Construction Manager's Project Superintendent at least forty-eight (48) hours in advance.
   i. Deliveries may be required during off-hours
   ii. Deliveries that arrive outside of work hours, without prior approval, or without proper notification will be returned to shipper at Subcontractor's expense. Any cost for redelivery or delay to the project will be borne by Subcontractor

d. Construction Manager will not receive, sign-for, accept or be responsible for materials delivered to the site or field office.

e. Subcontractor shall include in its base bid all costs to receive, unload, stage, store, handle, transport, etc. all material and equipment for its work

f. Subcontractor shall include in its base bid all off-site and phased storage as may be required

g. Subcontractor shall include in its base bid all costs to receive, unload, protect, stage, handle, transport, full care and custody, installation, coordination, warranty obligations, etc. of all assigned pre-purchase materials and equipment

11. DAILY & WEEKLY REPORTS

a. The Subcontractor Daily Report / Manpower Summary (attached hereto as Exhibit H) must be uploaded to Procore **no later than 9 a.m. the following day**. Subcontractor must submit a complete report for each day worked at the project site in order to receive a progress payment for that month.

b. When days of “no work on-site” occur, submit a report stating such

12. PROJECT MEETINGS

a. Subcontractor’s Project Manager and Superintendent must attend all weekly jobsite Subcontractor Coordination Meetings and Monthly Progress Meetings

b. Attendance is mandatory while working on-site and must start a minimum of (2) weeks prior to beginning work on-site. Failure to attend these meetings may result in withholding of progress payments.

c. The purpose of the meeting will be to discuss the following items:

1. Safety
2. Quality
3. Schedule
    a. Review Critical Path Activities
    b. Review Superintendent 3-week Look Ahead Schedule
    c. Review status of previous “mini” milestone dates
    d. Establish “mini” milestone dates
    e. Review manpower/work force
    f. Review equipment & material deliveries
4. RFI status
5. Coordination issues
6. Pending Change issues

13. QUALITY REQUIREMENTS

a. Pre-installation Meeting:

i. Subcontractor shall participate in a pre-install meeting for all items as scheduled by Construction Manager

ii. Pre-install Conference shall include Subcontractor’s superintendent that will be on the project, its Project Manager and any other relevant lower-tier subcontractors

iii. Participation in other trade Pre-install Conferences as required

b. Subcontractor shall participate in mockup requirements as detailed on Contract Documents and as stated in individual bid packages

c. Where quality-control services are indicated as Owner's responsibility, Owner will engage a qualified testing agency to perform these services. Subcontractor shall be responsible for costs associated with re-testing and re-inspecting construction that replaces or is necessitated by work that failed to comply with the Contract Documents. Said costs will be charged to Subcontractor and its subcontract sum adjusted by Change Order. Reference Quality Requirements Section 014000 for testing and quality requirements

d. Subcontractor shall include all costs for testing and quality requirements as outlined within the Contract Documents to demonstrate compliance; costs for re-testing shall be borne by Subcontractor

e. Subcontractor shall anticipate inspection delays in the installation durations and sequence such work ahead of others as not to impose delays in the schedule. This shall be construed for DOL, DOI, DHSR, Engineer, Fire Marshal, Owner, CM,

Commissioning Agent, etc. While Construction Manager will endeavor to combine inspections where possible, Subcontractor acknowledges that separate inspections will be required to verify the completion of systems included in this bid scope (Sprinkler flow tests, communication with fire alarm, etc.). Subcontractor will have a competent person on-site for each trade being tested as follows:

i. Subcontractor/trade inspections
ii. Subcontractor/trade Pre-check testing
iii. Construction Manager at Risk inspection
iv. Engineer/Designer inspection
v. Local Fire Marshal inspection
vi. Local Building Inspector inspection
vii. Pre-Testing of systems
viii. Commissioning of systems
ix. DHSR Initial inspection
x. DHSR back-check

14. SUBMITTALS

a. Furnish physical samples for all material or color selection samples as indicated in contract documents and specifications. All color selections shall be submitted within 21 days of NTP

b. All submittals shall be submitted electronically via Procore to Construction Manager:
   i. Do not submit directly to Architect/Engineer
   ii. Do not send material samples, submittals, shop drawings, etc. to the job site unless approved by Construction Manager
   iii. All Submittals will be returned to Subcontractor via Procore

c. Submit (1) hard copy of any large format shop drawings (steel, anchor bolt, reinforcing, sprinkler, etc.) for review. After receipt of approved shop drawings, submit three (3) copies of any large format marked as "field and file use"

d. Access to Procore will be provided to Subcontractor and all contacts listed on Subcontractor/Supplier Information Sheet (Exhibit I)
   Contact Matt Miller matt.m@bordeauxconstruction.com if you have problems accessing Procore or if you need to request additional logins

e. All submittals shall be submitted with the submittal coversheet provided in the bid manual. This form is available electronically on Procore. Subcontractor shall indicate the submittal number from the submittal schedule provided by Construction Manager. Submittals that are missing the coversheet or have not been reviewed by Subcontractor will be returned "Not Reviewed" by Construction Manager. Subcontractor shall factor in manufacturer lead times and allow a minimum of 14 days for submittal review.

f. Unless otherwise specified, submit all product data within 30 days of NTP. Submit all engineered shop drawings within 60 days of NTP.

15. SCHEDULE

a. The project duration including all necessary mobilization, work, inspections and punch list is established as **8 months (240 calendar days)**.

b. A bid schedule has been included in the bid documents for Subcontractor's use in preparation of its bid. Subcontractor acknowledges that this bid schedule may be modified to include subcontractor input.

c. Construction Manager will prepare a Master Baseline Construction Schedule establishing the sequence and duration of Work activities and will consider Subcontractor's input in developing the schedule. Subcontractor should include in its bid proposal a minimum of Forty (40) man hours of time for its superintendent and project manager to meet with Construction Manager to complete the Master Baseline Construction Schedule.

d. Subcontractor acknowledges that as construction progresses it may be necessary for Construction Manager to change the sequential order and duration of the various activities to account for unanticipated delays, occurrences and other factors which act to alter Construction Manager's original schedule. Construction Manager may require Subcontractor, at no additional cost to the project, to sequence Subcontractor's Work in such a way that the progress of other subcontractors and the Project schedule reasonably dictate.

e. Subcontractor acknowledges, understands and agrees that the scheduling and sequencing of the Work is an exclusive right of Construction Manager and that Construction Manager reserves such right to reasonably reschedule and resequence Subcontractor's Work from time to time as the demands of the Project require without any additional cost or expense to be paid to Subcontractor

f. Subcontractor acknowledges and agrees that Construction Manager owns the float to the Project. If Construction Manager desires to make a change to the schedule and as a result moves the Early Start date, Subcontractor shall comply with the request.

g. Time limitations set forth in the general provision with Owner will be shortened as necessary to provide time for Construction Manager to meet its obligations

16. WORK HOURS

a. Work hours for this project will be as required and otherwise adjusted by Construction Manager to meet Owner requirements and complete the project.

Minimum work hours are: Monday – Thursday 7am-5pm
Friday 7am-1pm

b. Subcontractor agrees to furnish adequate manpower to meet schedule included in the bid documents. It is agreed that Subcontractor will utilize weekday overtime, additional shifts, and/or weekends, as necessary to maintain the project schedule at no additional cost to the Project. Subcontractor shall not utilize overtime and weekend work in lieu of providing adequate manpower through the normal work week

c. Subcontractor shall work Saturdays, Sundays, extended hours, additional crews, weekends, etc. following lost work days when its work forces could not perform a **full** day's work (regardless of cause) at no additional cost to the project

d. Subcontractor may be required to supplement its work force with additional man power/multiple crews working simultaneously, as directed by Construction Manager, in order to meet the Construction Schedule

e. Subcontractors with weather sensitive activities (Site work, masonry, concrete, roof, etc.) shall make up lost time utilizing Saturdays, Sundays, extended hours, additional crews, etc.

f. Trades with masonry rough-in requirements shall keep sufficient crews on-site to provide rough-in, sleeves, blockouts, boxes, etc. as masonry progresses. Mason will not be responsible for installing MEP work. Trades will be required to be on-site with mason, regardless of hours previously worked for the week. All overtime cost is included in the base bid amount

g. Subcontractor shall not utilize a four-day work week ("4x10s")

h. Subcontractor should anticipate and expect to work its crews extended hours, Saturdays and/or Sundays as necessary to make-up for any lost time due to delays to include, but not limited to, insufficient crew(s) or size(s), insufficient supervision or planning, material delays, productivity loss, inclement weather to include excessively hot or cold temperatures, inspection delays, etc. that may have adversely impacted its work or the Construction Schedule. Any work deemed by Construction Manager that must be carried out as make-up work will not be considered a reimbursable cost or cost to the project

17. LIQUIDATED DAMAGES

a. Liquidated Damages for this project are **$1,000.00** as Substantial Completion Liquidated Damages for each consecutive calendar day beyond the date of established substantial completion and **$500.00** as Final Completion Liquidated Damages for each consecutive calendar day beyond the date of established final completion. In addition to the foregoing liquidated damages, Construction Manager and Owner may recover utility charges as expressly set forth elsewhere in the Contract Documents. The amount of Liquidated Damages set forth herein above shall not include additional legal or design professional costs that may result from the Subcontractor default. If such legal or design professional costs are incurred by Owner, Subcontractor shall be liable to Owner for those costs in addition to the Liquidated Damages amount set forth herein

18. PAYMENT

a. A signed copy of Subcontract Agreement, Schedule of Values, list of all vendors, suppliers and subcontractors (2^{nd}, 3^{rd}, 4^{th} tier contractors), insurance certificate, sales tax reporting form, HUB forms and bonds (as required) will be required prior to processing first pay application

b. Subcontractor shall include cost for all applicable North Carolina and County sales tax in its base bid amount, regardless of origin of material or fabrication

c. Sales tax reporting forms shall be submitted monthly with each pay application. For any materials furnished from "stock" or surplus, a value for the material supplied and associated sales tax should be reported

d. Original monthly billings are to be received in our office by the **15th** of the month, with work projected through the 20th of the same month. **Do not project billing to the end of the month.** No faxed or emailed copies will be accepted

e. E-mailed "pencil" copies are encouraged and will be accepted for billing purposes. However, an original copy is required to receive payment. E-mailed copies may be emailed to accounting@bordeauxconstruction.com

f. BCC reserves the right to require Joint Check Agreements. A fee of $50.00 may be charged to the Subcontractor for each joint check issued

g. Retainage on the project will be **Five percent (5%)**

h. At the discretion of the Construction Manager, reduction in retainage may be considered provided the following conditions are met:

   i. Owner has agreed to and paid for the reduction of retainage to the Construction Manager

   ii. Subcontractor is on-schedule and without major outstanding delivery, installation or similar concerns

   iii. Subcontractor is beyond 50% complete by contract amount

   iv. For the purpose of a reduction in retainage, stored materials shall not constitute more than 20% completion of a contract

19. SCHEDULE OF VALUES

a. Schedule of Values is required within ten (10) business days of Notice to Proceed

b. Schedule of Values must be separated into values for both labor and material

c. Subcontractor agrees to modify Schedule of Values to conform to Construction Manager Schedule of Values, if requested

d. If a line item is included for mobilization, a line item of equal value must be included for de-mobilization

e. Schedule of Values must include a line item "Closeout Documents" valued at 2.5% of base contract

f. Schedule of Values must include a line item "Composite Clean-up"

20. STORED MATERIALS

a. Payment for stored material will only be allowed for materials onsite unless strictly meeting the following conditions for off-site storage:

   i. Subcontractor must request in writing and gain approval of Construction Manager, Owner and Architect prior to requesting payment for stored materials off-site. Request shall be made no later than the last day of the month preceding the pay application request

   ii. Requests must document a valid reason for requesting payment for stored materials off-site. Convenience and favorable payment terms are not valid reasons

   iii. Photos of each item being requested are included in the request

iv. Proof of insurance in a bonded warehouse and proof of insurance for delivery is included in the request
v. Allow adequate time for inspection of stored materials by Construction Manager, Architect, Architect Consultants and/or Owner, as required
vi. For stored materials out of state, arrange for travel for Construction Manager, Architect, Architect Consultants and/or Owner as required. Travel-related costs shall be borne by Subcontractor at no cost to project
vii. Incomplete requests or requests received after the 1st of the month will not be considered in that month's pay request

b. Construction Manager, Owner and Architect reserve the right to deny any and all requests for stored materials off-site, for any reason. No compensation for denial of request will be considered

21. SITE LOGISTICS

a. A Site Logistics Plan has been provided in the bid manual. Subcontractor agrees to perform work in accordance with the Site Logistics Plan. Any additional access, laydown, staging, crane supports, etc. shall be provided by Subcontractor at no additional expense to the project

b. Subcontractor is responsible for all of its parking, delivery and transportation costs to the jobsite:
i. There is no guaranteed parking space available at the site
ii. There is no guaranteed laydown and storage area at the site
iii. There is no guaranteed storage at the site
iv. Coordinate with Construction Manager's Project Superintendent for access to any area on site to include interim needs
v. Refer to **Section 10--Schedule Delivery Requirements** for additional requirements
vi. Should parking requirements exceed allowable parking available on-site or during paving operations, Subcontractor is responsible for parking and transportation from remote parking to the jobsite. Subcontractor is responsible for all costs associated with remote parking

c. Subcontractor shall provide all traffic control necessary when its work impedes pedestrian and vehicular traffic both inside and outside the jobsite boundaries

d. Subcontractor shall obtain all permits required by state and local jurisdictions for work in or encroachment of public streets and rights-of-way

e. Subcontractor signs **shall not** be posted without the written approval from BCC

f. A concrete washout location will be provided for subcontractor use during concrete placement and grouting operations. All subcontractors utilizing the washout area are responsible for use and maintenance of the washout area

g. Subcontractor is responsible for immediate cleaning of streets, roads and parking areas where dirt, mud & debris have been deposited as result of its workers, suppliers, deliveries, etc.

h. Subcontractor shall provide all traffic control, flagging, signage, truck spotters & ground guides, lighted barriers, safety signage, wayfinding signage, cones, etc. as required to provide safe separation of personnel and vehicles from its work areas

i. Egress requirements for Public and Owner shall be maintained throughout construction

j. Eating and drinking may be prohibited in certain areas designated by Owner or Construction Manager. Prohibitions of these activities shall be at CM's sole discretion and may be imposed at any time without prior notice

22. COOPERATION AND COORDINATION

a. Subcontractor shall afford Owner and separate contractor's reasonable opportunity for introduction and storage of their materials and equipment and performance of their activities and shall connect and coordinate Subcontractor's construction and operations with them as required by the Contract Documents.

b. If part of Subcontractor's Work depends for proper execution or results upon construction or operations by Owner or a separate contractor, Subcontractor shall, prior to proceeding with that portion of the Work, promptly report to Construction Manager apparent discrepancies or defects in such other construction that would render it unsuitable for such proper execution and results. Failure of Subcontractor to report shall constitute an acknowledgment that Owner's or separate contractor's completed or partially completed construction is acceptable to receive Subcontractor's Work.

c. Subcontractor shall coordinate its work with all above ceiling work including, but not limited to, mechanical, plumbing, electrical, security, fire alarm and fire suppression

23. SAFETY

a. Subcontractor shall be responsible for participation in a Site Safety Orientation program prior to beginning work. Schedule with CM Project Superintendent

b. Jobsite attire requirement will be strictly enforced with all trades. Minimum attire shall include reflective vest or shirts, hard hat, safety glasses, T-shirt (no cut off shirts allowed), hard-soled safety-toed boots (above ankle, C75/I75 rated) and long pants

c. Subcontractor is required to hold Weekly Toolbox Talks and provide meeting minutes and sign-in sheet to Construction Manager

d. Subcontractor is required to attend Weekly Safety Meeting conducted by Construction Manager

e. Subcontractor is required to conduct a Weekly Safety Audit and provide documentation to Construction Manager

f. Construction Manager participates in voluntary scheduled OSHA Consultative visits. Subcontractor agrees to resolve all items that may arise from OSHA consultative visit within specified time frame. Subcontractor also agrees to document all required responses in writing to Construction Manager no later than 10 days prior to Subcontractor's required response to OSHA.

g. If Subcontractor provides scaffolding to complete work, a trained competent person shall be provided by Subcontractor and must be present on-site full-time. Competent Person shall inspect all scaffolding daily and record the findings on a daily basis. Each scaffold system must bear either a green tag to allow access or

a red tag to restrict access. Tag shall be dated and initialed with a minimum inspection frequency of once daily. Separate sections of scaffold shall be treated as individual scaffold systems. Under no circumstance will a scaffold system be used without these requirements being met.

h. If Subcontractor conducts excavation work, a trained competent person shall be provided by Subcontractor and must be present on-site full-time.

i. If Subcontractor operates heavy equipment to complete its work, a trained competent person shall be provided by Subcontractor and must be present on-site full-time

j. All heavy equipment, lifts, skid steers, lulls, mini-excavators, etc. shall have a fire extinguisher (2.5# minimum size), functioning alarms and operator's manual; Operators must provide proof of training.

k. GFCI pigtails/devices shall be used at all times

l. Extension power cords shall be minimum 3-wire, 14A (12 ga.) conductors, rated for hard/extra hard service printed on cord; inspect cords daily, remove & tag non-compliance cords from service; all cords outside 12' of work area to be suspended from J-hooks, hanger trees and other supports to avoid becoming a trip hazard

m. All energy sources (process piping, electrical, water, site water, gases, etc.) shall be locked out and tagged out (LOTO) prior to start of any work activity; coordinate with Construction Manager

n. All hangers used to suspend light fixtures for use as temporary lighting shall be inspected weekly; document inspections to Construction Manager

o. In accordance with the provisions of the Federal OSHA Hazard Communication Standard 29CFR-1926.59 and 29CFR-1910.1200, Subcontractor, its vendors and suppliers, must submit a "Safety Data Sheet" for each product which will be delivered to or used on the jobsite. The SDS must be received by Construction Manager prior to delivery of the product(s) at the jobsite. Further, Subcontractor shall strictly comply with and require the same strict compliance by its employees, subcontractors and suppliers with all federal, state, and local laws, rules, ordinances and/or regulations governing the acquisition, possession, storage and disposal of hazardous materials of any nature utilized, produced or that are a by-product of the performance of this Agreement, and shall hold BCC and Owner harmless from any and all associated costs and claims related to their use.

p. Subcontractor is responsible for replacement of any safety handrail immediately following completion of its work or loading/unloading operation as applicable. Subcontractor's work force shall be tied-off with appropriate fall protection measures when working in loading zones while handrail is down. Construction Manager reserves the right to back-charge Subcontractor for the cost to replace handrail/safety cabling whenever Subcontractor fails to properly restore said safety measures immediately after completion of its work activities in the area.

q. Subcontractor is responsible for daily inspection of all tools, drop cords, ladders, scaffolding, etc. Construction Manager may remove from the project or dispose of any tools, equipment, drop cords, ladders, etc. found to not meet safety requirements.

r. All ladders shall be Heavy Duty and capable of supporting a minimum of 300 pounds or more as required for job duty being performed. Ladders shall have weight rating clearly indicated

s. Subcontractor shall utilize a fire watch at all times when "hot work" is ongoing to include cutting, welding, soldering, etc.

t. Subcontractor is responsible for obtaining necessary work permits required by Owner and/or Construction Manager to include, but not limited to excavation, confined space, hot work, utility outages, etc. Coordinate with Construction Manager in advance of need.

u. Responsible Subcontractor shall bear the cost of any "false alarms" regarding Police, Fire and EMS services

24. DAILY CLEANUP

a. Daily clean-up of all work areas will be strictly enforced. Subcontractor shall perform clean-up and trash removal on a daily basis. All debris generated by Subcontractor shall be removed to a central site container as directed by Construction Manager. Failure to comply with the daily clean-up requirement will result in Construction Manager supplementing Subcontractor with temporary labor to conduct required clean-up at Subcontractor's expense; a deductive change adjustment to the Subcontract Agreement will be issued

b. Subcontractor is required to receive and return any returnable pallets or shipping containers to its suppliers

c. Subcontractors conducting activities which generate debris on roadways are responsible for immediate sweeping and cleaning, but no less than daily cleaning

25. COMPOSITE CLEANUP

a. Subcontractor shall participate in composite clean-up crew while working on-site

b. Composite Clean-up is a requirement for all subcontractors and is included in each bid package. Material-only Bid Packages are not required to participate in the Composite Clean-up requirement.

c. Composite Clean-up is in addition to daily Subcontractor Clean-up requirements

d. Composite clean-up shall take place no less than weekly at time and date as scheduled by Construction Manager

e. Subcontractor shall include a minimum of One (1) Man-Day (Eight Hours) per Ten (10) people working on site for its participation. Minimum participation is One (1) Man-day, regardless of crew size on site. Include additional manpower in composite clean-up crew at a rate of 1 Man-Day per every 400 man hours worked

f. The composite clean-up crew is understood to be a general labor-type employee and shall work at Construction Manager's direction performing tasks as CM sees fit. Tasks may not be limited to clean-up and may consist of other general work duties (general trash removal, sweeping, vacuuming, emptying trash cans, cleaning parking lots, laydown areas & lunch zones, demobilization of site, removal of rain water, mud, snow, etc., clean-up floors, etc.), both interior and exterior, regardless of work area, as directed by Construction Manager

g. Subcontractor shall document composite clean-up crew participation in writing to Construction Manager. Any time not utilized shall be credited back to Construction Manager at the hourly laborer rate included in the Subcontract Agreement

26. PROTECTION

a. Where work is conducted above or adjacent to existing construction, Subcontractor must protect the existing construction, as necessary

b. Concrete floor slabs are considered finished floors and are to be protected from damage during construction. Heavy equipment including forklifts, lulls, etc. will not be permitted on slabs. Wheeled lifts, scaffolding, pallet jacks, etc. will only be permitted on the slab with the approval of Construction Manager

c. No work shall be performed on slabs that may detrimentally affect the finish or function of the finished floor. This includes, but not limited to pipe threading, painting, welding, painting, cleanup, etc. Provide protection or relocate operation to an alternate location as directed by Construction Manager

d. Subcontractor shall endeavor to protect other trades work. Damage caused by a subcontractor shall be repaired at the offending subcontractor's expense by deductive change order to the contract sum

e. Protection will be provided for finished surfaces, concrete slab on grade, and other areas as required. Subcontractors working over floor protection are required to maintain the floor protection. Any protection damaged or removed as a result of Subcontractor's work shall be replaced at no additional expense to the Project

f. All trades working on finished roof must check in with Construction Manager prior to beginning work each day. Roof should be swept down daily. Any roof damage will be assessed to subcontractor(s) working on the roof at that period

g. Subcontractor is responsible for insuring all tools, equipment, and formwork materials and assemblies stored or installed on-site from damage, theft, fire, etc.

h. There are no planned security measures being provided at the site for this project

i. Protect asphalt pavements and concrete walks, curbs, pads and pavements from damage associated with off-loading materials and equipment, interim staging and lifting/crane work

j. Staged materials shall be placed on dunnage and mats as required

27. CONCEALED OR UNKNOWN CONDITIONS

a. If Subcontractor encounters conditions at the site that are (1) subsurface or otherwise concealed physical conditions that differ materially from those indicated in the Contract Documents or (2) unknown physical conditions of an unusual nature, that differ materially from those ordinarily found to exist and generally recognized as inherent in construction activities of the character provided for in the Contract Documents, Subcontractor shall promptly provide notice to Construction Manager before conditions are disturbed and in no event later than 21 days after first observance of the conditions. Construction Manager

will promptly investigate such conditions and, if determined they differ materially and cause an increase or decrease in Subcontractor's cost of, or time required for, or performance of any part of the Work, will recommend an equitable adjustment in the Contract Sum or Contract Time, or both. If Construction Manager determines the conditions at the site are not materially different from those indicated in the Contract Documents and that no change in the terms of the Contract is justified, Construction Manager shall promptly notify Subcontractor in writing, stating the reasons.

b. If, in the course of the Work, Subcontractor encounters human remains or recognizes the existence of burial markers, archaeological sites or wetlands not indicated in the Contract Documents, Subcontractor shall immediately suspend any operations that would affect them and shall notify Construction Manager. Upon receipt of such notice, Owner shall promptly take any action necessary to obtain governmental authorization required to resume the operations. Subcontractor shall continue to suspend such operations until otherwise instructed by Owner but shall continue with all other operations that do not affect those remains or features.

28. UNDERGROUND UTILITIES

a. Subcontractor shall comply with underground location requirements as required by law:
   i. Call “NC One Call” at 1-800-632-4949
   ii. Provide documentation and ticket numbers to Construction Manager prior to commencement of work
   iii. All existing utilities shall be exposed and identified as to type, size and elevation prior to commencement of excavation for the work. Cost of adjustments resulting from failure to expose utilities will be borne by Subcontractor at no cost to the project
   iv. Maintain minimum clearances between utilities; notify Construction Manager of any conflicts

b. Excavation Plans are required for review by Construction Manager prior to commencement of work:
   i. Advance planning is required to avoid delays
   ii. Allow a minimum of ten (10) working days for review

c. Subcontractor should include cost for location of any private utilities that are not covered under “NC One Call”

d. Should charted, uncharted or incorrectly charted utilities be encountered, contact Construction Manager immediately for instructions. Cooperate with Owner and utility companies to keep services and facilities in operation

e. Subcontractor shall be responsible for all replacement costs for damaged utilities, whether shown or not on the contract documents

29. CUTTING AND PATCHING

a. Subcontractor shall be responsible for cutting, fitting or patching required to complete the Work or to make its parts fit together properly. All areas requiring

cutting, fitting and patching shall be restored to the condition existing prior to the cutting, fitting and patching, unless otherwise required by the Contract Documents.

b. Subcontractor shall not damage or endanger a portion of the Work or fully or partially completed construction of the Owner or separate contractors by cutting, patching or otherwise altering such construction or by excavation. Subcontractor shall not cut or otherwise alter such construction by Owner or a separate contractor except with written consent of Owner and of such separate contractor; such consent shall not be unreasonably withheld. Subcontractor shall not unreasonably withhold from Owner or a separate contractor Subcontractor's consent to cutting or otherwise altering the Work

c. Subcontractor shall restore all walls, floors & ceilings penetrated by its work; fire caulk and seal as required

d. Subcontractor shall restore all fire retardant materials damaged during installation of its work

30. LICENSING, PERMITS AND FEES

a. Unless otherwise provided in the Contract Documents, Subcontractor shall secure and pay for trade specific portions of the building permit (HVAC, Plumbing, Electrical, Sprinkler, Refrigeration, etc.), licenses and inspections by government agencies necessary for proper execution and completion of the Work that are customarily secured after execution of the Subcontract Agreement and legally required at the time bids are received or negotiations are concluded

b. The general building permit will be paid for by Construction Manager

c. Any fees assessed by entities for providing permanent utilities to the Project shall be paid directly to the utility entity by Owner. These include “tap fees” and “electrical connection and service fee”. Subcontractor shall coordinate the permanent utilities and entity’s related work to comply with the construction schedule

d. Any fees assed by utility entity for providing temporary utilities to the Project for use by Subcontractor during construction of the project (Consumption fee) shall be paid for by Construction Manager

e. Subcontractor agrees to comply with all regulatory requirements as indicated in Subcontract Agreement and Exhibits to the Subcontract Agreement including, but not limited to: E-verify, USDA requirements, non-discrimination requirements, etc. BCC reserves the right to terminate the Subcontract Agreement for non-compliance

31. NOTICES AND COMPLIANCE WITH LAWS

a. Subcontractor shall comply with and give notices required by applicable laws, statutes, ordinances, codes, rules and regulations, and lawful orders of public authorities applicable to performance of the Work

b. During the performance of this contract, Subcontractor agrees as follows:

   i. Subcontractor will not discriminate against any employee or applicant for employment because of race, religion, color, sex, or national origin, except

where religion, sex or national origin is a bona fide occupational qualification reasonably necessary to the normal operation of Subcontractor. Subcontractor agrees to post in conspicuous places, available to employees and applicants for employment, notices setting forth the provisions of this non-discrimination clause

ii. Subcontractor, in all solicitations or advertisements for employees placed by or on behalf of Subcontractor, will state that Subcontractor is an equal opportunity employer

iii. Notices, advertisements and solicitations placed in accordance with federal law, rule, or regulation shall be deemed sufficient for the purpose of meeting requirements of this section

iv. Subcontractor does not and shall not during the performance of this Contract, knowingly employ an unauthorized alien as defined in the Federal Immigration Reform and Control Act of 1986.

v. Subcontractor hereby represents it is organized as a stock or non-stock corporation, limited liability company, business trust, or limited partnership or registered as a registered limited liability partnership and is authorized to transact business in the State of North Carolina as a domestic or foreign business entity if so required by Title 13.3 or Title 50 or as otherwise required by law.

vi. Subcontractor will include the provisions of the foregoing in every subcontract or purchase order of over ten thousand dollars ($10,000) so that these provisions will be binding upon each subcontractor or vendor

vii. Include other requirements as required in Bid Manual, Bid Form or Subcontract Agreement

32. BEHAVIOR

a. Subcontractor and all its Sub-subcontractors, agents and employees shall act in a professional manner at all times while working on this project. Construction Manager will strictly enforce this NO TOLERANCE Behavior policy and reserves the right to remove violators from the jobsite without previous warning(s)

b. Subcontractor's employees or workers who engage in horseplay, fistfights, unsafe acts, whistling, yelling at the public, obscene gestures or foul language will be removed from the project site

c. Weapons of all types including firearms are strictly forbidden on the project site

d. Cell phones and personal radios, music devices (iPods, cell phones, MP3, etc.), boom boxes, etc. or any music is strictly prohibited on-site

i. Cell phone usage shall be limited to <u>supervisors only</u>

ii. CM will enforce this No Tolerance Policy and reserves right to remove violators from the jobsite without previous warning

e. Tobacco (smoking and chewing) and electronic smoking (e-cigarettes) are prohibited on this project site.

f. No food or drink is allowed within the building unless approved by Construction Manager:

i. A break area may be established by Construction Manager; its continued use or elimination shall be at sole discretion of Construction Manager and may be so imposed at any time without prior notice
    1. First infraction of this clause will result in a verbal warning
    2. Second, a written warning
    3. Third, removal from the project
ii. Continued infractions by Subcontractor can be considered grounds for termination in accordance with its Subcontract Agreement

g. Subcontractor's employees who report for work under the influence of intoxicants or narcotics or consumption of them during the workday will be removed from the project site immediately and permanently

h. Visitors and workers shall not possess or carry, whether openly or concealed, regardless of legal permit, any weapon or explosive on any property owned by Owner. This includes firearms locked in containers, vehicles or firearm racks within vehicles

33. CLOSEOUT REQUIREMENTS

a. Closeout documents (including attic stock, O&M Manuals, as-built drawings, sample warranties, and all other closeout requirements) shall be provided no later than 12 weeks prior to substantial completion or 75% completion of contract amount, whichever comes first. Construction Manager reserves its right to request said documents earlier than indicated above.

b. Furnish all required testing and demonstration requirements as specified. Furnish agenda prior to testing and demonstration. A sign-in sheet with specification section, date, etc. is to be provided to document completion of this requirement

c. Receipt of closeout documents will be a condition precedent to processing payment beyond 75% completion. For warranties, submit a sample warranty with closeout documents, such that the only item that would be required to modify would be the date of warranty start. Submit placeholders for any other closeout documents that are not available at 75% completion (test and balance for instance)

d. Subcontractor shall provide weekly updates to Construction Manager with accurate, as-built information relating to Subcontractor's own work
i. CM shall maintain (with input from Subcontractor) the architectural, structural, and civil drawings (and specifications) at the jobsite
ii. Electrical, plumbing, mechanical and fire protection documents shall be maintained by those subcontractors who are respectively responsible for those portions of the work.

e. Provide all warranties, testing, Owner Training, extra materials, special tools, keys, O&M information, etc. as required by Contract Documents

f. Unless otherwise specified, the date of Substantial Completion shall define the start date of any warranties, regardless of material purchase, delivery or install date. In the event a manufacturer does not comply with warranty periods, terms, or availability indicated in the specification, Subcontractor agrees to provide

specified warranties and/or cover time differences between manufacturer warranty and Substantial Completion

Updated 03/27/20

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Exhibit C

The Coast Academy
Job No. 1953

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- Geotechnical Exploration Report

011000 Summary
012100 Allowances
012200 Unit Prices
012300 Alternates
012500 Substitution Procedures
- Request for Substitution Form

012600 Contract Modification Procedures
- Change Proposal Worksheet Summary

012900 Payment Procedures
013100 Project Management and Coordination
013200 Construction Progress Documentation
013233 Photographic Documentation
013300 Submittal Procedures
014000 Quality Requirements
014200 References
015000 Temporary Facilities and Controls
016000 Product Requirements
017300 Execution
017419 Construction Waste Management & Disposal
017700 Closeout Procedures
017823 Operation and Maintenance Data
017836 Warranties
017839 Project Record Documents
017900 Demonstration and Training

DIVISION 02 – EXISTING CONDITIONS

024119 Selective Demolition

DIVISION 03 – CONCRETE

033000 Cast-In-Place Concrete
033543 Polished Concrete Finishing

DIVISION 04 – MASONRY
(Not Used

DIVISION 05 – METALS
054000	Cold-Formed Metal Framing
055000	Metal Fabrications

DIVISION 06 - WOOD, PLASTICS, AND COMPOSITES
061053	Miscellaneous Rough Carpentry
064219	Plastic-Laminate-Faced Wood Paneling

DIVISION 07 - THERMAL AND MOISTURE PROTECTION
071326	Self-adhering Sheet Waterproofing
078413	Penetration Firestopping
078446	Fire-Resistive Joint Systems
079200	Joint Sealants

DIVISION 08 - OPENINGS
081113	Hollow Metal Frames
081416	Flush Wood Doors
083323	Overhead Coiling Doors
084113	Aluminum-Framed Entrances & Storefronts
087110	Door Hardware
088000	Glazing
089119	Fixed Louvers

DIVISION 09 - FINISHES
092216	Non-Structural Metal Framing
092900	Gypsum Board
093000	Tiling
095113	Acoustical Panel Ceilings
096470	Wood Floor Refinishing
096513	Resilient Base and Accessories
096519	Resilient Tile Flooring
098433	Sound-Absorbing Wall Units
099123	Interior Painting
099600	High-Performance Coatings

DIVISION 10 - SPECIALTIES
101100	Visual Display Surfaces
101419	Dimensional Letter Signage
101423	Room-Identification Signage
102800	Toilet & Bath Accessories
104400	Fire Protection Specialties
105113	Metal Lockers
105613	Metal Storage Shelving

DIVISION 11 - EQUIPMENT
112300 Commercial Laundry Equipment
115700 Vocational Shop Equipment

DIVISION 12 – FURNISHINGS
122413 Roller Window Shades
123661 Solid Surface Window Stools

DIVISION 13 - SPECIAL CONSTRUCTION
133419 Metal Building Systems

DIVISION 14 - CONVEYING EQUIPMENT
(Not Used)

DIVISION 21 – FIRE SUPPRESSION
210000 Fire Protection

DIVISION 22 – PLUMBING
220000 Plumbing

DIVISION 23 - HEATING, VENTILATING, AND AIR-CONDITIONING (HVAC)
230500 HVAC
230900 Instrumentation and Control for HVAC

DIVISION 25 – BUILDING AUTOMATION
(Not Used)

DIVISION 26 – ELECTRICAL
260000 Electrical, Basics
260500 Basic Electrical Materials and Methods
260519 Conductors and Cables
260526 Grounding and Bonding
260533 Raceway and Boxes
260548 Seismic for Electrical Systems
260553 Electrical Identification
260923 Lighting Control Devices
262200 Dry-type Transformers (600V and less)
262416 Panelboards
262726 Wiring Device
262816 Enclosed Switches and Circuit Breakers
264313 Surge Protective Devices
265119 LED Interior Lighting

DIVISION 27 – COMMUNICATIONS

271100	Communications Equipment Room Fittings
271300	Communication Backbone Cabling
271500	Communication Horizontal Cabling

DIVISION 28 – ELECTRONIC SAFETY AND SECURITY

283111	Digital, Addressable Fire Alarm System
285000	Emergency Radio Communication Enhancement System

- Appendix—Emergency Radio Communication Enhancement System

DIVISIONS 31 – EARTHWORK

TS 010.01	As-Built Drawings
TS 011.01	Dewatering
TS 012.01	Trench Boxes, Sheeting and Shoring
TS 013.01	Excavating, Grading, Trenching and Backfilling
TS 018.01	Water Distribution System
TS 020.01	Gravity Sanitary Sewer System
TS 026.01	Concrete Reinforcement
311000	Site Clearing
312200	Grading
312216	Subgrade and Roadbed
312300	Excavation
312323	Fill and Backfill
312323.23	Proof Rolling
312333	Trenching for Site Utilities
312500	Temporary Erosion and Sedimentation Control
313116	Termite Control
313700	Rip Rap

DIVISION 32 – EXTERIOR IMPROVEMENTS

321123	Aggregate Base Course
321216	Bituminous Concrete Paving
321313	Concrete Paving for Sidewalks
321613	Concrete Curbing
321723	Pavement Markings
323113	Chain Link Fences and Gates
329113	Soil Preparation
329200	Plants
329219	Seeding
329223	Sodding
329700	Landscape Maintenance and Warranty

DIVISION 33 – UTILITIES

334000	Storm Drainage Piping
334600	Subdrainage
334913	Manholes and Covers

End List of Specifications

Documents List
Exhibit C

Waccamaw K-2 Building Replacement
Job No. 1952

Index of Contract Documents

GENERAL

G-000	COVER SHEET
G-001	PROJECT INFORMATION SHEET
G-002	BUILDING CODE SUMMARY - NC
G-003	UL DETAILS
G-004	FIRST FLOOR LIFE SAFETY PLAN

CIVIL

C-1.0	GENERAL NOTES - CIVIL
C-1.1	GENERAL NOTES - CIVIL
C-2.0	DEMOLITION PLAN
C-2.1	SITE & PLANTING PLAN
C-2.1A	SITE & PLANTING PLAN (ALTERNATE CANOPY BID)
C-3.0	GRADING, DRAINAGE & EROSION CONTROL PLAN
C-3.0A	GRADING, DRAINAGE & EROSION CONTROL PLAN (ALTERNATE CANOPY BID)
C-4.0	UTILITY PLAN
C-4.0A	UTILITY PLAN (ALTERNATE CANOPY BID)
C-5.0	DETAILS
C-5.1	DETAILS
C-5.2	DETAILS
C-5.3	DETAILS

STRUCTURAL

S-1.01	GENERAL NOTES
S-1.02	TYPICAL DETAILS
S-2.01	FOUNDATION PLAN
S-2.02	ROOF FRAMING PLAN
S-2.03	CANOPY FRAMING
S-2.04	ALTERNATE CANOPY PLANS
S-3.01	SECTIONS AND DETAIL
S-4.01	FRAMING SECTIONS AND DETAILS
S-4.02	FRAMING SECTIONS AND DETAILS
S-5.01	SHEAR WALL ELEVATIONS & DETAILS

ARCHITECTURAL

A-002	CONSTRUCTION SUBSYSTEMS & PARTITION TYPES
A-101	FIRST FLOOR PLAN
A-121	REFLECTED CEILING PLAN
A-151	ROOF PLAN

A-152	ROOF DETAILS
A-161	CANOPY PLANS
A-162	CANOPY SECTIONS
A-164	ALTERNATE CANOPY PLANS & SECTIONS
A-165	ALTERNATE CANOPY DETAILS
A-201	EXTERIOR ELEVATIONS
A-301	BUILDING SECTIONS & WALL SECTIONS
A-401	ENLARGED TOILET PLANS & ELEVATIONS
A-501	PLAN & SECTION DETAILS
A-521	HEAD, JAMB & SILL DETAILS
A-522	HEAD, JAMB & SILL DETAILS
A-531	INTERIOR DETAILS
A-601	DOOR SCHEDULE, DOOR TYPE LEGEND & FRAME TYPES
A-721	INTERIOR ELEVATIONS
A-731	FIRST FLOOR FINISH PLAN & FINISH SCHEDULE
A-741	FIRST FLOOR FURNITURE PLAN
A-751	CASEWORK PLANS & ELEVATIONS
A-752	CASEWORK SECTIONS
A-801	SIGNAGE
A-803	SIGNAGE PLAN

FIRE PROTECTION

F-101	FIRE PROTECTION PLANS
F-102	FIRE PROTECTION SITE DIAGRAM

PLUMBING

P-001	PLUMBING LEGEND, SCHEDULES AND DETAILS
P-101	PLUMBING PLANS
P-102	CANOPY PLANS
P-401	ENLARGED PLUMBING PLANS

MECHANICAL

M-001	MECHANICAL LEGEND, SCHEDULES & DETAILS
M-101	MECHANICAL PLANS
M-501	MECHANICAL DETAILS
M-701	MECHANICAL CONTROL DIAGRAMS

ELECTRICAL

E-001	ELECTRICAL NOTES, LEGENDS, SCHEDULES, DETAILS
E-011	ELECTRICAL SITE PLAN
E-012	ELECTRICAL SITE PLAN
E-101	ELECTRICAL POWER PLAN
E-111	ELECTRICAL LIGHTING PLAN
E-121	ELECTRICAL AUXILIARY SYSTEMS PLAN
E-501	ELECTRICAL DETAILS
E-502	ELECTRICAL DETAILS
E-503	ELECTRICAL DETAILS
E-601	ELECTRICAL LUMINAIRE SCHEDULE

E-602 ELECTRICAL PANEL SCHEDULES
E-701 ELECTRICAL RISER DIAGRAMS

INDEX OF PROJECT SPECIFICATIONS

VOLUME 1 OF 1

BIDDING AND CONTRACT DOCUMENTS

DIVISION 00 PROCUREMENT AND CONTRACTING REQUIREMENTS

Refer to Bordeaux Construction's Bid Manual

TECHNICAL SPECIFICATIONS

DIVISION 01 - GENERAL REQUIREMENTS

003100 Available Project Information
- Geotechnical Exploration Report

011000 Summary
- E-Verify Affidavit

012100 Allowances
012200 Unit Prices
012300 Alternates
012500 Substitution Procedures
- Request for Substitution Form

012600 Contract Modification Procedures
- Change Proposal Worksheet Summary

012900 Payment Procedures
013100 Project Management and Coordination
013200 Construction Progress Documentation
013233 Photographic Documentation
013300 Submittal Procedures
014000 Quality Requirements
014200 References
014533 Special Inspections
015000 Temporary Facilities and Controls
- Project Sign Sample

016000 Product Requirements
017300 Execution
017419 Construction Waste Management & Disposal
017700 Closeout Procedures
017823 Operation and Maintenance Data
017836 Warranties
017839 Project Record Documents
017900 Demonstration and Training

DIVISION 02 – EXISTING CONDITIONS

024119 Selective Demolition

DIVISION 03 – CONCRETE

033000	Cast-In-Place Concrete

DIVISION 04 – MASONRY

042613	Masonry Veneer

DIVISION 05 – METALS

052100	Steel Joist Framing
053100	Steel Decking
054000	Cold-Formed Metal Framing
055000	Metal Fabrications
055213	Pipe and Tube Railings
057500	Custom Metal Canopy

DIVISION 06 - WOOD, PLASTICS, AND COMPOSITES

061053	Miscellaneous Rough Carpentry
061600	Sheathing

DIVISION 07 - THERMAL AND MOISTURE PROTECTION

071326	Self-Adhering Sheet Waterproofing
072100	Thermal Insulation
072726	Fluid-Applied Membrane Air Barrier
075423	Polyvinyl Chloride (PVC) Roofing
076200	Sheet Metal Flashing & Trim
077100	Roof Specialties
077200	Roof Accessories
078413	Penetration Firestopping
078446	Fire-Resistive Joint Systems
079200	Joint Sealants

DIVISION 08 - OPENINGS

081113	Hollow Metal Frames
081416	Flush Wood Doors
082130	Fiberglass Reinforced Polyester (FRP) Doors
083113	Access Doors & Frames
084113	Aluminum-Framed Entrances & Storefronts
087110	Door Hardware
088000	Glazing

DIVISION 09 - FINISHES

092216	Non-Structural Metal Framing
092900	Gypsum Board
093000	Tiling
095113	Acoustical Panel Ceilings
096513	Resilient Base and Accessories
096520	Resilient Plank Flooring
099123	Interior Painting
099600	High-Performance Coatings

DIVISION 10 - SPECIALTIES

101100	Visual Display Surfaces

101423	Room-Identification Signage
102113	Plastic Toilet Compartments
102800	Toilet Accessories
104400	Fire Protection Specialties
107326	Manufactured Canopy Systems

DIVISION 11 - EQUIPMENT
(Not Used)

DIVISION 12 – FURNISHINGS

122413	Roller Window Shades
123216	Manufactured Plastic-Laminate-Faced Casework
123623	Plastic-Laminate-Clad Countertops
123661	Solid Surface Window Stools

DIVISION 13 - SPECIAL CONSTRUCTION
(Not Used)

DIVISION 14 - CONVEYING EQUIPMENT
(Not Used)

DIVISION 21 – FIRE SUPPRESSION

210000	Fire Protection

DIVISION 22 – PLUMBING

220000	Plumbing

DIVISION 23 - HEATING, VENTILATING, AND AIR-CONDITIONING (HVAC)

230500	Heating and Air Conditioning
230900	Instrumentation and Control for HVAC

DIVISION 25 – BUILDING AUTOMATION
(Not Used)

DIVISION 26 – ELECTRICAL

260000	Electrical, Basics
260500	Basic Electrical Materials and Methods
260519	Conductors and Cables
260526	Grounding and Bonding
260533	Raceway and Boxes
260538	Wire Mesh Cable Trays
260548	Seismic Controls for Electrical Systems
260553	Electrical Identification
260923	Lighting Control Devices
262200	Dry-type Transformers (600V and less)
262416	Panelboards
262726	Wiring Devices
262816	Enclosed Switches and Circuit Breakers
264313	Surge Protective Devices
265119	LED Interior Lighting

DIVISION 27 – COMMUNICATIONS

271100	Communications Equipment Room Fittings
271300	Communication Backbone Cabling
271500	Communication Horizontal Cabling

DIVISION 28 – ELECTRONIC SAFETY AND SECURITY

283111	Digital, Addressable Fire Alarm System
285000	Emergency Radio Communication Enhancement System

- Appendix—Emergency Radio Communication Enhancement System

DIVISIONS 31 – EARTHWORK

TS 010.01	As-Built Drawings
TS 011.01	Dewatering
TS 012.01	Trench Boxes, Sheeting and Shoring
TS 013.01	Excavating, Grading, Trenching and Backfilling
TS 018.01	Water Distribution System
TS 026.01	Concrete Reinforcement
311000	Site Clearing
312200	Grading
312216	Subgrade and Roadbed
312300	Excavation
312323	Fill and Backfill
312323.23	Proof Rolling
312333	Trenching for Site Utilities
312500	Temporary Sedimentation and Erosion Control
313116	Termite Control
313700	Rip Rap
316329	Earthquake Drains

DIVISION 32 – EXTERIOR IMPROVEMENTS

321123	Aggregate Base Course
321216	Bituminous Concrete Paving
321313	Concrete Paving for Sidewalks
321613	Concrete Curbing
321723	Pavement Markings
323113	Chain Link Fences and Gates
329113	Soil Preparation
329200	Plants
329219	Seeding
329223	Sodding
329700	Landscape Maintenance and Warranty

DIVISION 33 – UTILITIES

334000	Storm Drainage Piping
334600	Subdrainage
334913	Manholes and Covers

End of Documents List

Exhibit D

BORDEAUX CONSTRUCTION COMPANY, INC.
SUBCONTRACTOR'S APPLICATION FOR PAYMENT
(Inclusive of Partial Release & Waiver of Lien)
PAGE 1

Subcontractor:_____ Phone Number:_____
Address:_____
Subcontract Number:_____ Application Number:_____

Project:_____ Period:_____ To:_____

STATEMENT OF CONTRACT COMPLETE TO DATE:

Original Contract Amount	$ _____
Approved Change Orders (listed on schedule of value)	$ _____
Total Contract Amount to Date	$ _____
Total Completed & Stored to Date_____% (As per attached schedule of values)	$ _____
Less_____% Retained as per contract	$ _____
Net Requested to Date	$ _____
Less Previous Applications for Payment	$ _____
Amount Due This Request	$ _____

RELEASE: Upon receipt by the Subcontractor of the payment requested herein, the Subcontractor does release and forever discharge Bordeaux Construction Company, Inc., (hereinafter "Bordeaux") its Sureties, the project land and the Owner from any and all actions, causes of actions, liens, lien rights, debts, dues, accounts, covenants, agreements, judgements, and claims of any nature or kind whatsover that the Subcontractor now has or ever has had in connection with the Subcontract as of the date of this request, except for retainage not yet due and payable or written claims already made pursuant to the Contract requirements and not yet resolved by change order.

WARRANTIES AND REPRESENTATIVES BY SUBCONTRACTOR: The Subcontractor warrants and represents that it has paid for all labor and material billed for in its previous payment requests. The Subcontractor certifies and warrants that all charges for labor, materials, supplies, equipment, lands, licenses and other expenses for which Bordeaux, its bonding company or the Owner might be sued or for which a lien or bond might be filed, have been fully satisfied and paid or will be paid from the proceeds of this Pay Request, and the Subcontractor agrees to defend and hold harmless Bordeaux from and against all suits, actions, claims, liens, or demands of laborers, mechanics, materialmen or others, filed against Bordeaux or the project or the Owner arising of of the scope of the Subcontract work.

The individual signing below agrees to be personally accountable for the accuracy of these representations.

TOTAL TAX PAID THIS PERIOD (FROM ATTACHED SALES TAX REPORT) $_____

Subscribed and sworn before me
this_____day of_____, 20_____
Notary Public:_____
My Commission Expires:_____

_____
Subcontractor
By:_____
Title:_____
Date:_____

SUBCONTRACTOR'S APPLICATION FOR PAYMENT
SCHEDULE OF VALUES
PAGE 2

Subcontractor:_____ Phone Number:_____
Address:_____
Subcontract Number:_____

TO: BORDEAUX CONSTRUCTION COMPANY, INC. DATE:_____
135 E. MARTIN STREET, SUITE 101
RALEIGH, NC 27601

PROJECT: _____
PERIOD_____ TO_____

ITEM	DESCRIPTION	SCHEDULE OF VALUE	PREVIOUS REQUEST	WORK IN PLACE	STORED MATERIALS	TOTAL COMPLETED & STORED TO DATE	BALANCE TO FINISH
	TOTALS						

SUBCONTRACTOR'S APPLICATION FOR PAYMENT
LIST OF VENDORS, SUPPLIERS, ALL TIERED SUBCONTRACTORS (INCLUDING THEIR SUPPLIERS) & RENTAL COMPANIES
PAGE 3

SUBCONTRACTOR: _____ PHONE: _____

ADDRESS: _____

SUBCONTRACTOR NUMBER: _____

TO: BORDEAUX CONSTRUCTION COMPANY, INC DATE: _____
135 E. Martin St., Raleigh, NC 27601

PROJECT: _____ PAY APPLICATION #: _____

DATE	VENDOR PHONE #	CONTACT NAME, ADDRESS	CONTACT EMAIL	MATERIALS PURCHASED	APPROX. $ VALUE

STATE OF NORTH CAROLINA
COUNTY SALES AND USE TAX REPORT
SUMMARY TOTALS AND CERTIFICATION
(Page 4a)

CONTRACTOR: _____ Page _____ of _____

PROJECT: _____

FOR PERIOD: _____

	TOTAL FOR COUNTY OF:	TOTAL FOR COUNTY OF:	TOTAL FOR COUNTY OF:	TOTAL FOR COUNTY OF:	TOTAL FOR COUNTY OF:	TOTAL FOR COUNTY OF:	TOTAL FOR COUNTY OF:
CONTRACTOR							
SUBCONTRACTOR(S)*							
COUNTY TOTAL							

*Attach subcontractors(s) report(s)
**Must balance with Detail Sheet(s)

I certify that the above figures do not include any tax paid on supplies, tools and equipment which were used to perform this contract and only includes those building materials, supplies, fixtures and equipment which actually became apart of or annexed to the building or structure erected, altered or repaired and that the vendors from whom the property was purchased, the dates and numbers of the invoices covering the purchases, the total amount of the invoices of each venor, the NC sales and use taxes paid the the cost of property withdrawn from warehouse stock and NC sales or use taxes paid are stated above. I certify that, to the best of my knowledge, the information provided here is true, correct and complete.

Sworn to and subscribed before me,

This the_____ day of _____, 20_____

_____
Signed

_____
Notary Public

_____
Print of Type Name of Above

My Commission Expires: _____

Seal

NOTE: This certified statement may be subject to audit.

STATE OF NORTH CAROLINA
SALES AND USE TAX REPORT DETAIL
(Page 4b)

SUBCONTRACTOR: _____

PAY APPLICATION #: _____

PROJECT NAME: _____

Vendor Name	County	Material Purchased	Invoice #	Date of Purchase	Pre-Tax Invoice $	NC Tax Amount	County Tax Amount	Total Invoice Amount
				TOTALS:				

INTERIM WAIVER AND RELEASE UPON PAYMENT

STATE OF NORTH CAROLINA

COUNTY OF: _____

THE UNDERSIGNED MECHANIC AND/OR MATERIALMAN HAS BEEN EMPLOYED BY
TO FURNISH
MATERIALS (AND/OR LABOR) FOR THE CONSTRUCTION OF IMPROVEMENTS KNOWN AS
WHICH IS LOCATED IN THE CITY OF
, COUNTY OF , AND IS OWNED BY
.

UPON THE RECEIPT OF THE SUM OF $_____, THE MECHANIC AND/OR MATERIALMAN WIAVES AND RELEASES ANY AND ALL LIENS OR CLAIMS OF LIENS IT HAS UPON THE FOREGOING DESCRIBED PROPERTY OR ANY RIGHTS AGAINST ANY LABOR AND/OR MATERIAL BOND THROUGH THE DATE OF_____(DATE) AND EXCEPTING THOSE RIGHTS AND LIENS THAT THE MECHANIC AND/OR MATERIALMAN MIGHT HAVE IN ANY RETAINED AMOUNTS, ON ACCOUNT OF LABOR OR MATERIALS, OR BOTH, FURNISHED BY THE UNDERSIGNED TO OR ON ACCOUNT OF SAID CONTRACTOR FOR SAID BUILDING OR PREMISES.

GIVEN UNDER HAND AND SEAL THIS _____DAY OF_____,_____.

_____ (SEAL)
(SIGNATURE)

_____
(NAME AND TITLE)

_____
(COMPANY)

Notary:_____

Date:_____

My Commission Expires:_____

SEAL

SUBCONTRACTOR'S FINAL RELEASE AND WAIVER OF LIEN

SUBCONTRACT NO. _____ JOB NAME: _____

BORDEAUX CONSTRUCTION COMPANY, INC.

(Name of Contractor)

_____

(Name of Subcontractor)

Date:_____

Total Contract Amount	$_____
Total Paid To Date	$_____
Retainage Due	$_____
Total Due	$_____

Upon receipt, by Subcontractor, of the payment in the above stated amount, or if paid by check, when said check has been paid by the bank upon which it is drawn, Subcontractor does remise, release and forever discharge Contractor and its Sureties and the Principal from any and all actions, and from any causes of action, liens, bond rights, stop notices, debts, dues, accounts, covenants, agreements, judgements, claims, demands of whatsoever nature of character which said Subcontactor now has or ever has had against the Contractor, or its Sureties or the Principal, their successors and assigns, which shall have arisen or may arise out of or be incidental to work undertaken or done under or in connection with the Subcontract as of the estimate date.

Subcontractor certifies and warrants that all charges for labor, materials, supplies, equipment, lands, licenses and other expenses for which the Contractor of the Pricipal might be sued, or for which a lien, stop notice or bond claim might be filed, have been fully satisfied and paid or will be paid prior to becoming delinquent. And the Subcontractor agrees to defend and save harmless the Contractor and the Principal from and against all suits, actions, claims, liens or demands of laborers, mechanics, materials, men or others, filed against the Contractor or the Principal or the buildings, structures, additions, or improvements constructed under the Original Contract and arising out of the performance of the Subcontract work.

IN WITNESS WHEREOF, Subcontractor has executed this receipt, release, waiver of lien and discharge on the _____ day of _____, 20____.

Sworn this _____ day of _____, 20____.
County:_____
State:_____
Notary Public:_____
My Commission Expires:_____

Signed:_____
Name & Title:_____
_____

Appendix E

MBE DOCUMENTATION FOR CONTRACT PAYMENTS

Prime Contractor/Architect:

Address & Phone:_____

Project Name:_____

SCO Project ID:_____

Pay Application #:_____ Period:_____

The Following is a list of payments made to Minority Business Enterprises on this project for the above-mentioned period.

MBE FIRM NAME	*TYPE OF MBE	TOTAL CURRENT CONTRACT AMOUNT	AMOUNT BILLED THIS MONTH	TOTAL AMOUNT BILLED	TOTAL AMOUNT PAID

*Minority categories: Black (B), Hispanic (H), Asian American (AA), American Indian (AI), White Female (WF), Socially and Economically Disadvantaged (SED)

Approved/Certified By:

_____ _____

Name Title

_____ _____

Date Signature

SUBMIT WITH EACH PAY REQUEST - FINAL PAYMENT - FINAL REPORT

Submittal Form
Exhibit E

Waccamaw K-2 Building Replacement
Job No. 1952

Subcontractors and/or Suppliers

SHOP DRAWING/SUBMITTAL CERTIFICATION

Project: ***Waccamaw K-2 Building Replacement*** Date: _____

Subcontractor or Supplier: _____

Item(s) Submitted	CONTRACT REFERENCE		Code From Below
	Specification Paragraph No.	Drawing Sheet No.	

CODES:
A. Submitted items are per plans and/or specifications (not a deviation or "an equal").
B. Submitted items are per plans and/or specifications as "an equal".
C. Submitted items are a deviation from plans and/or specifications (attach separate letter of explanation).

I certify that the above submitted items have been reviewed in detail and are correct and in strict conformance with the contract drawings and specifications except as otherwise stated.

Name: _____

Signature: _____

BORDEAUX
Construction Company, Inc.

List of Second-Tier Subcontractors/Suppliers
Exhibit F

Waccamaw K-2 Building Replacement
Job No. 1952

Note: Attach additional pages as necessary

Subcontractor 1: _____
Federal Tax ID#: _____
Contractor License # (if applicable): **State:** **Class:**
License Expiration Date (if applicable): _____
Point of Contact: _____
Address:

Mailing Address

City State Zip Code

Phone Number: _____ **Fax Number:** _____
Company Status – Indicate if certified as any of the following and attach a copy of certificate

☐ Small Business ☐ Minority Owned Business, Minority Group: _____
☐ Woman Owned Business ☐ Small Disadvantaged Business

Subcontractor 2: _____
Federal Tax ID#: _____
Contractor License # (if applicable): **State:** **Class:**
License Expiration Date (if applicable): _____
Point of Contact: _____
Address:

Mailing Address

City State Zip Code

Phone Number: _____ **Fax Number:** _____
Company Status – Indicate if certified as any of the following and attach a copy of certificate

☐ Small Business ☐ Minority Owned Business, Minority Group: _____
☐ Woman Owned Business ☐ Small Disadvantaged Business

BORDEAUX
Construction Company, Inc.

List of Second-Tier Subcontractors/Suppliers
Exhibit F

Waccamaw K-2 Building Replacement
Job No. 1952

Note: Attach additional pages as necessary

Subcontractor 3: _____
Federal Tax ID#: _____
Contractor License # (if applicable): **State:** **Class:**
License Expiration Date (if applicable): _____
Point of Contact: _____
Address:

Mailing Address

City State Zip Code

Phone Number: _____ **Fax Number:** _____

Company Status – Indicate if certified as any of the following and attach a copy of certificate

☐ Small Business ☐ Minority Owned Business, Minority Group: _____
☐ Woman Owned Business ☐ Small Disadvantaged Business

Subcontractor 4: _____
Federal Tax ID#: _____
Contractor License # (if applicable): **State:** **Class:**
License Expiration Date (if applicable): _____
Point of Contact: _____
Address:

Mailing Address

City State Zip Code

Phone Number: _____ **Fax Number:** _____

Company Status – Indicate if certified as any of the following and attach a copy of certificate

☐ Small Business ☐ Minority Owned Business, Minority Group: _____
☐ Woman Owned Business ☐ Small Disadvantaged Business

BORDEAUX
Construction Company, Inc.

Bordeaux Construction Company, Inc. Standard Insurance Requirements
Exhibit G

Waccamaw K-2 Building Replacement
Job No. 1952

The Subcontractor shall purchase and maintain insurance of the following types of coverage and limits of liability:

11.1 CONTRACTOR'S LIABILITY INSURANCE:

11.1.2 Add the following to Subparagraph 11.1.2:

The minimum limits of the Contractor's liability coverage shall be as follows:

A. Worker's Compensation

1. State----------Statutory

2. Applicable Federal-------Statutory

3. Commercial General Liability-----$1,000,000, Each Accident
   $2,000,000, General Aggregate
   $1,000,000, Personal & Advertising Injury
   $1,000,000, Pollution Liability.
4. Benefits Required by Union Labor Contracts - as applicable

B. Comprehensive General Liability (including Contractor's Protective; Products and Completed Operations; Broad Form Property Damage):

1. Bodily Injury and Property Damages:
   $1,000,000 Each Occurrence, $2,000,000 Aggregate
   Policy shall be endorsed to have $2,000,000, General Aggregate apply to the Project only.

2. Products and Completed Operations Insurance shall be maintained for a minimum period of five (5) years after final payment, and the Contractor shall continue to provide evidence of such coverage to the Owner for an annual basis during the aforementioned period. Coverage $1,000,000.

3. Property Damage Liability Insurance shall include coverage for the following hazards:
   a. X (explosion)
   b. C (collapse)
   c. U (underground)
   d. (XCU) coverage, $1,000,000.

4. Contractual Liability (Hold Harmless Coverage):
   a. Bodily Injury and Property Damage Combined:
      $1,000,000 -- Each Occurrence, $2,000,000 P.D. Aggregate

5. Personal Injury, with Employment Exclusion deleted:
   $1,000,000 -- Aggregate

C. Comprehensive Automobile Liability (Owned, non-owned, hired):

1. Bodily Injury and Property Damage Combined: (CSL - Combined Single Limit)
   $1,000,000 CSL, Each Person, Each Accident, Each Occurrence

D. Umbrella Excess Liability: $5 million over primary, $10 thousand retention.

E. Owner's Liability Insurance: Owner will maintain current liability coverage.

F. Contractor will be responsible for all deductibles

G. Bordeaux Construction Company, Inc. must be listed as Additional Insured in regards to General Liability

Note: Insurance requirements may be negotiable, depending on contract value.

Subcontractor/Supplier Information Sheet
Exhibit H

Waccamaw K-2 Building Replacement
Job No. 1952

Company Name: _____
Federal Tax ID#:
Contractor License #: **State:** **Class:**
License Expiration Date: _____

Office Address - Mailing:

Mailing Address

City State Zip Code

Office Address – Physical:

Street Address

City State Zip Code

Payment Address (if different from Mail Add.)

Payment Address

City State Zip Code

Principal in Charge: _____
Office Phone: _____ **Office Fax:** _____

Company Status – Indicate if you are certified as any of the following and attach a copy of your certificate

☐ Small Business
☐ Woman Owned Business
☐ Minority Owned Business
Minority Group: _____
☐ Small Disadvantaged Business

Project Contacts

Project Manager: _____ Telephone: _____
Email: _____ Fax: _____
Mobile: _____

Project Foreman: _____ Telephone: _____
Email: _____ Fax: _____
Mobile: _____

Safety Contact: _____ Telephone: _____
Email: _____ Fax: _____
Mobile: _____

BORDEAUX
Construction Company, Inc.

BORDEAUX
Construction Company, Inc.

REQUEST FOR INFORMATION

RFI Number:

Project: **Waccamaw K-2 Building Replacement**

Location: _____

Request Date: _____

Response Needed By: _____

From: _____

Contract For: _____

To: Bordeaux Construction Company, Inc.

Reference: Drawing Number: _____ Detail Number: _____ Manual Selection: _____

Information Needed:

Contractor Recommendation:

Submitted by: _____ Date: _____

Response: ☐ Proceed with recommendation ☐ Proceed with the following instructions:

_____ Date: _____

Authorized Signature

EXHIBIT L

CHANGE PROPOSAL FORM
Time and Material / Unit Price Estimate

Project:	**Waccamaw K-2 Building Replacement**	Proposal #:	
Contract:	**LS3P #8201-191240**	Project #:	1952
Contractor:		Contractor #:	

Description of change:

Reference:

Materials & Labor	(Attach list with Qty, Item, Unit $, Unit mh, Total mh, OT mh, Total $)				**SUBTOTALS**
	1 Total Direct Cost of Materials				
	2 Overhead & Profit on Item 1.	10 %		$0.00	
	(10% maximum, includes small tools & consumables)				
	3 Sales Tax	%		$0.00	
	4 Shipping & Transportation				
					$0.00
Labor		*see attached breakdown			
	5 Total Man-hours:	MH @	/hr.	$0.00	
	6 Payroll Taxes & Insurance:	30 %		$0.00	
	7 Overhead & Profit on Item 5	10 %		$0.00	
	(10% maximum, includes small tools & consumables)				**$0.00**
Equipment Rental	(Include quotes)				
	8 Equipment Rental				
	9 Overhead & Profit on Item 8	10 %		$0.00	
	(10% maximum)				**$0.00**
Subcontractors	(Include quotes with material & equipment backup)				
	10 Subcontractors				
	11 Overhead & Profit on Item 10	5 %		$0.00	
	(5% maximum)				**$0.00**

Subtotal of Proposal	**$0**
Bonds (% of Subtotal of Proposal) ____ %	**$0**
TOTAL OF CHANGE PROPOSAL	**$0**

Time Extension Request: ____ days

Schedule Activity # Affected: ____

Subcontractor agrees to perform the work outlined in this change proposal for the amount specified above and in accordance with the Contract documents, if the work is authorized by the Owner.

Contractor's Signature: _____ **Date: 3/17/2020**

Bordeaux Construction Company, Inc. Standard Safety Requirements
Exhibit K

Waccamaw K-2 Building Replacement
Job No. 1952

Bordeaux Construction understands that our ultimate success directly relates to our team's success in the prevention of accidents. No project or task, large or small, is so important that it should be conducted in a manner which jeopardizes the health and safety of our team. Safety is an integral part of project efficiency, cost reduction and total quality management. The prevention of accidents and protection of property shall remain management's top priority and shall receive continued support and participation. Safety shall be the responsibility of everyone involved with the project.

This document has been developed to familiarize all subcontractors and their employees with BCC's safety rules, procedures and guidelines for controlling jobsite accidents and injuries. Subcontractor supervisors are responsible for ensuring these safe work practices are communicated to and adhered to by all personnel under their supervision.

Each Subcontractor is expected to be aware of and comply with all Federal, State, Local, NCOSHA, and BCC safety regulations. Although this document contains numerous guidelines, it is not intended to cover every situation. The omission of any safety practice from this document does not reduce individual responsibility for alertness and good judgment in job performance.

Compliance with BCC Safety procedures is a requirement of the contract. Failure to comply will be considered a breach of contract and subject to the following actions:

- First offense: verbal warning
- Second offense: asked to leave job site and suspended from site for one working day
- Third & Final offense: asked to leave job site and not permitted back on-site

BCC reserves the right to skip First and Second warnings in the event of egregious safety violations or endangerment of workers

When Subcontractor is notified of an unsafe condition or practice, it shall immediately correct the hazard. The cost to bring the work activity into compliance shall be incurred by the subcontractor which is responsible for the unsafe condition.

BCC reserves the right to stop any portion of work, which is deemed to be unsafe, until the work can be continued in a safe manner.

Subcontractor shall assume all costs related to, but not limited to, safety equipment including personal protective equipment, training requirements, etc.

Subcontractor shall be responsible for payment of all fines, damages or other costs (including legal fees) resulting from failure to comply with Safety and Health Requirements and arising out of the Subcontractor's operations.

GENERAL SAFETY REQUIREMENTS

All subcontractor work activities shall be conducted in accordance with all Federal, State, Local, NCOSHA and BCC Safety Policies and Procedures. This requirement shall also be applied to all delivery personnel, vendors and visitors while on the job site.

The following **minimum** requirements are applicable and will be enforced on this project:

1. Subcontractor agrees to participate in jobsite orientation program. Jobsite orientation will be held at times as schedule with the Site Superintendent
2. BE ALERT! Report to work rested and physically fit to perform your job
3. All accidents or injuries, no matter how minor, shall be reported immediately to BCC, giving full details and identification and statements of any witnesses
4. BCC Project Superintendent has the authority to remove any of Subcontractor's unsafe equipment, tools, scaffolding or other unsafe items, and has the authority to remove any of Subcontractor's employees that do not comply with these safety requirements.
5. All work elevations over 6 feet must have a 100% fall protection system. This includes, but is not limited to, leading edge work, iron connecting, working off of elevated work platforms (scaffoldings), and residential type construction. "Monitors" or "safety zones" are NOT acceptable means of fall protection unless there are absolutely no other options or are allowable under OSHA 1926
6. Fencing, railing or barricades are required around excavations, holes or openings in floors and roofs and whenever necessary to warn or prevent persons or equipment from falling.
7. All work using cords or power tools must utilize Ground Fault Circuit Interrupter (GFCI) protection
8. Only authorized electricians shall perform electrical work
9. Excavations over 5 feet must be sloped, shored or shielded and must meet all other requirements. Before digging in any location, Subcontractor must check to ensure that all underground utilities have been located and properly marked.
10. All Subcontractor's employees on the Project site must use personal protective equipment (PPE) and clothing suited to the Work and the Work environment:
    a. gloves where applicable
    b. wear clothing suitable for weather and type of work
    c. minimum clothing requirements include shirts that cover the shoulders (not cutoffs or tank tops), long pants, and suitable, safety-toed work shoes
    d. reflective vest, jacket, and/or Hi-Viz t-shirt as applicable
    e. **hardhats and safety glasses with side shields MUST be worn by all workers, supervisors, clients, visitors and vendors AT ALL TIMES**
    f. respirators will be used when an employee is exposed to airborne hazards
    g. hearing protection in the form of earmuffs or approved ear plugs shall be worn on all high noise level jobs as required
11. Subcontractor shall maintain good housekeeping in and around its Work areas at all times. Stage materials so that safe clearances are maintained and toppling is prevented. Keep all walkways and aisles clear
12. Subcontractor's work areas shall be properly illuminated at all times
13. Subcontractor shall train its employees in the safe use of ladders and scaffolding as required
14. Subcontractor's employees who report for work under the influence of intoxicants or narcotics or consumption of them during the workday will be removed from the project site immediately. Subcontractor's employees who engage in horseplay, fistfights, unsafe acts, whistling, yelling at the public, obscene gestures, or foul language will be removed from the project site. Weapons of all types including firearms are strictly forbidden on the project site.
15. All of Subcontractor's visitors to the project site must check in with BCC Superintendent prior to going on site

Subcontractor has reviewed and agrees to be bound by BCC Safety Regulations

Updated 03/27/2020

EXHIBIT L

Sexual Offender Registry Check Certification Form

Check the appropriate box to indicate the type of check:

☐ Initial

☐ Supplemental

☐ Annual

I, _____ (insert name), _____ (insert title) of _____ (insert company name) hereby certify that I have performed all of the required sexual offender registry checks required under this Agreement for all contractual personnel (employees, agents, ownership personnel, or contractors) who may be used to deliver goods or provide services under this Agreement, including the North Carolina Sex Offender and Public Protection Registration Program, the North Carolina Sexually Violent Predator Registration Program, and the National Sex Offender Registry. I further certify that none of the individuals listed below appears on any of the above-named registries and that I will not assign any individual to deliver goods or perform services under this Agreement if said individual appears on any of the sex offender registries. I agree to maintain all records and documents associated with these registry checks, and that I will provide such records and documents to the school system upon request. I specifically acknowledge that the school system retains the right to audit these records to ensure compliance with this section at any time in the school system's sole discretion. I acknowledge that I am required to perform these checks and provide this certification form before any work is performed under the Agreement (initial check), any time additional contractual personnel may perform work under the Agreement (supplemental check), and at each anniversary date of the Agreement (annual check).

Contractual Personnel Names	**Job Title**
1. _____	_____
2. _____	_____
3. _____	_____
4. _____	_____
5. _____	_____

(attach additional page(s) if needed)

I attest that the forgoing information is true and accurate to the best of my knowledge.

_____ (print name) _____ (signature)
_____ (title) _____ (date)



Virtual Construction Requirements for Subcontractors

Version 5.0

Amended by: Matt Miller, Virtual Construction Manager, Bordeaux Construction Company
July 7th, 2015

Virtual Construction Requirements

Version 5 updated 04-27-12

BORDEAUX Construction Company, Inc.

Overview

To enhance the design and construction coordination process, Bordeaux Construction, will implement a Virtual Construction Process (see Figure 1.1) to complement the traditional method of 2D coordination. Architectural and Structural 3D models will be provided to the project team via Architect of Record or 3rd Party. These models will be available to specific trades involved in 3D coordination for reference to create their individual 3D models representing their respective scope of work. BCC will combine all models for use in analysis and coordination and share results with the project team. The ownership of the consolidated model is that of BCC.

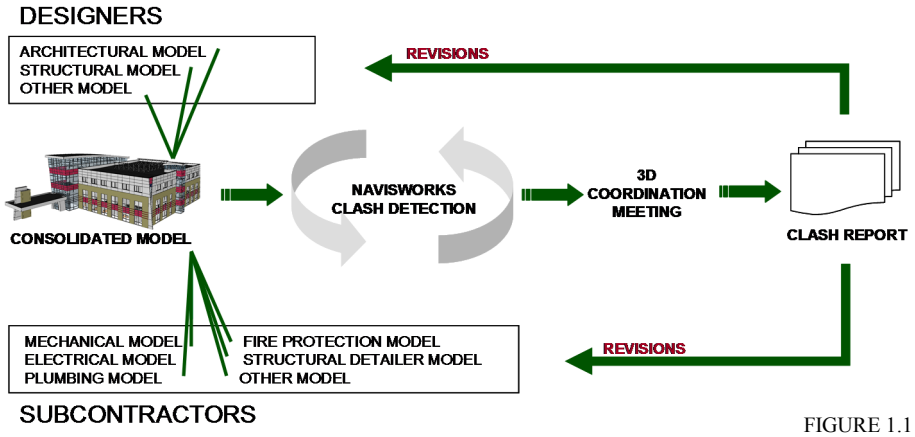


FIGURE 1.1

Requirements

1. **Coordination Requirements –** All trade disciplines required to provide coordination drawings will be subject to participation in the Virtual Coordination Process. BCC will hold a 3D BIM Coordination Kickoff Meeting prior to coordination and representatives from all required trades need to be present. Experience and skill level of trade representative will be evaluated by BCC and adjustments will be made as necessary to meet the project goals. Web based file sharing will be used to manage the model files and timely updates will be required by all project team members in accordance to the coordination schedule.

   1.1. Modeler – The detailer / modeler for each respective company is required to be present for all coordination meetings. This individual needs to be dedicated to this role and should be the most knowledgeable of their respective model. When a 3rd party modeler is being used, that individual must be an active participant in the coordination meetings as they will have the most intimate knowledge of the model content.

   When there are multiple modelers within a company working on the project, a primary point of contact, BIM Coordinator, must be assigned to the project. The BIM coordinator will be responsible for coordinating the multiple models for that company prior to submission to BCC.

   1.2. ShareFile – All model content will be posted to the project specific BIM ShareFile site hosted by BCC. Individual access rights will be provided to the modeler(s) or each respective company for upload and download of model files. Each company is required to upload their updated model content no later than noon on the day prior to a coordination meeting (i.e. upload on Thursday at noon for a meeting on Friday). Each model upload should follow the standard file naming structure for ShareFile, "PROJECT_PHASE_COMPANY_TRADE_LEVEL". A detailed naming structure can be found on the BIM project site on ShareFile and will be further discussed at the BIM Kickoff Meeting. Any deviation from the file naming structure must be approved by BCC.

1.3. Meetings – Coordination meetings will be held weekly to review and resolve clashes within the consolidated model. A typical week's workflow is outlined below:

	Activity	Action By
Monday	Coordination Meeting	Project Team
	Post Model with Notes	Bordeaux
Tuesday	Model Update	Subcontractors
Wednesday	Model Update	Subcontractors
Thursday	Model Update	Subcontractors
Friday	Post Model by noon	Subcontractors
	Run Clash Detection	Bordeaux

Meetings will continue until all areas of coordination are complete and coordination drawings are signed off. Meetings should be attended by Detailer, Modelers, BIM Coordinators, Superintendent/Forman and Project Managers at a minimum.

1.4. GoTo Meetings – In lieu of meeting at a central location, we occasionally utilize GoTo Meetings as a means of reviewing the coordination of the consolidated model. BCC will host these web based meetings with login information being provided via email. This process will be used only as deemed necessary by BCC.

2. Software Requirements –BCC utilizes Autodesk® Navisworks to coordinate multiple disciplines within a virtual 3D environment; therefore, files submitted must be compliant with Navisworks. To test compliance with this requirement a trial version of Navisworks can be downloaded from Autodesk's website (www.autodesk.com). BCC will require your native file formats to be converted to a .dwg file format for collaboration with multiple disciplines. The native format and the converted file must represent the same information. Object Enablers needed for viewing converted files as 3D solids must be provided prior to submission of files.

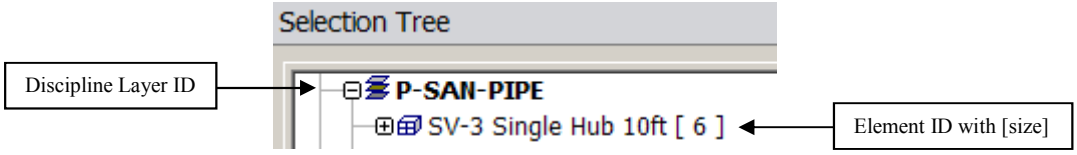
2.1. Modeling Software – There are no restrictions on the product used to create the models. However, it must be compatible with Navisworks, export to (.dwg), and create solid 3D elements. The software selected for your model must be submitted and approved by BCC for review of its capabilities prior to coordination.

2.2. Autodesk Navisworks – This project will utilize Navisworks Manage for clash detection, model review, and reporting. The clash report will be posted to the ShareFile site as a Navisworks Document (.nwd) for the teams review. Companies with Navisworks will have to disclose their version type prior to coordination to ensure they are working on the same version as BCC.

2.3. Navisworks Freedom – Since the consolidated model will be posted in the (.nwd) format it is recommended that those without Navisworks Manage acquire Navisworks Freedom for review of the consolidated model and any referenced notes from the meeting. This software can be obtained from the Autodesk website (www.autodesk.com) at no cost.

3. Model Requirements - The 3D models have to consist of 3D-Solids elements (not wire frames) that represent the actual dimensions of the building elements and the equipment that will be installed on the project. Relative abstraction of building elements can be provided in the model on an as needed basis with approval by BCC. The global coordinate system of the submitted files has to follow the coordinate system used by the baseline model (i.e. architectural/structural model) that is provided. BCC will specify file characteristics and structure prior to beginning modeling; however, in general the following will be required:

- One file for each trade per floor or section of one floor (5 floors + 2 areas per floor = 10 files/trade)
- Layer identification within the files must represent the size and description of the elements in the model file. The Layer ID's have to be consistent across all models submitted.



- Elements of the building must be represented in only one file - there must be no overlap of elements of different files.
- The geometry of the 3D elements of the different files has to agree when the elements of the different files are superimposed; the 3D representations of each floor must be at the correct elevation.
- The granularity of elements in the model has to correspond with the sequence of the installation at the site (e.g. not one wall element for the entire floor).
- Code requirements for access space (e.g. to electrical J-Boxes, VAV-Boxes) and spaces that have to be blocked for specific functions have to be represented in the model as 3D solids on a distinct layer.
- Supports and framing structures needed for installation of material represented in the model should be included in the model files as separate elements.
- Layers that do not represent model elements (i.e. drafting layers, 2D background, xrefs, etc) should be turned off and/or detached prior to file submission.

3.1. Electrical Model – Model shall include but not be limited to conduits, panels, equipment, transformers, switch gear, devices, lighting, cable tray, housekeeping pads, supports system for conduit racks, duct bank, a/v equipment, and code required access zones. Individual conduit smaller than 1.5" is not required but is recommended. Any bank of conduits occupying more than 3" shall be modeled.

3.2. Fire Protection Model – All parts of the fire suppression system needs to be modeled to included but not limited to mains, branches, heads, valves, fire pump, control panels and code required access zones

3.3. Structural Model – All structural elements are required to be modeled to include but not limited to steel beams, columns, open web steel joist, miscellaneous support clips and angle, and slab edge

3.4. Mechanical Model – All mechanical system components are required in the model and should include but not be limited to duct, grills, dampers, piping, units, code required access zones, equipment, housekeeping pads, insulation, valves, and hanger supports.

3.5. Plumbing Model – All plumbing elements are required in the model and shall include but not be limited to piping, valves, insulation, plumbing fixtures, access doors, hanging system, and sleeves

3.6. Pneumatic Lines Model (DEC) – All pneumatic lines are required in the model to coordinate with the Electrician

3.7. Security Low Voltage Model (SCSC) – All security low-voltage wiring to be placed in conduit and/or raceway is required in the model to coordinate with the Electrician

3.8. Specialty Systems – Any building system that does not fall under the above systems will be evaluated by BCC as a need to include in the consolidated model. These systems could include: lift equipment, pneumatic tubing system, aquatics, theatrical lighting, elevators, curtainwall, and owner supplied equipment, etc.

4. Documentation Requirements – The modeling and coordination process will be concluded with a signoff process of 2D paper drawings.

4.1. Sheet Format – The drawings produced for signoff must be plotted on size ARCH E1 30"x42" paper. Each sheet should contain within the title block the printed name of each company on the coordination team and a space for that respective company to sign. An example of this title block is illustrated in Figure 1.2 below.

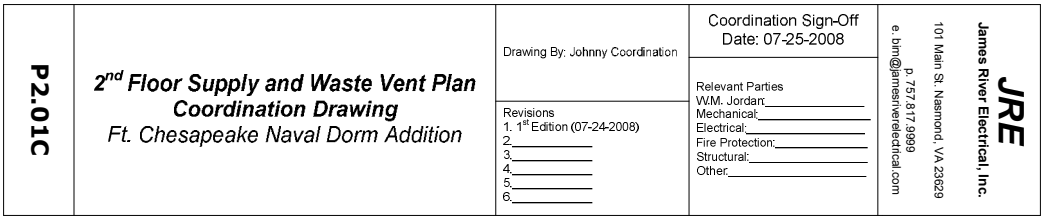


Figure 1.2

4.2. Required Sheets – Layout of each system is required at a minimum for above ceiling layouts, floor penetrations and sleeves and elevations where anything passes through structural walls. Any sheets required be specifications for Architect/Engineer review are also required.

4.3. Drawing Content – Each drawing sheet produced should meet the requirements in the project specifications for drawing submittals and at a minimum contain:

1. Elevation tags
2. Dimensions from column lines and/or walls
3. Designation tags for each system

Change Management

The Virtual Construction Process is implemented in part to reduce the amount of change orders in the field due to incomplete coordination. Therefore, it is imperative that as we find issues during the coordination process we include their resolution into our Building Information Model. However, these changes may occur during coordination, after signoff, or after installation. Below are procedures for change management to be followed for each condition.

1. **During Coordination** – Each trade shall be responsible for incorporating RFI responses, sketches, bulletins, clarifications, etc. into their model prior to final signoff of an area.

2. **After Signoff** – Any change to an area as a result of an RFI response, sketch, bulletin, clarification, etc. prior to installation shall be tracked and incorporated in the final as built drawing for the project. Should these changes need coordination, BCC reserves the right to require these changes modeled to verify the systems will coordinate with layouts prior to signoff.

3. **After Installation –** Should a change occur after a system is installed the change should be included in the as-built set of drawings.

As-built Model Requirements

The requirement to provide a complete as-built model will be project specific and will be evaluated on the basis of owner requirements. In the case the project requires an as built model the following criteria should be followed.

1. All model requirements from section 3 should be followed.

2. Updates to model are required throughout construction after signoff process as installation is completed.

3. A modeler should be for each trade should be dedicated to the project for the updating of the model during construction. As well as participate in periodic review of field issues that were not addressed during coordination prior to signoff.

4. Equipment, System, and material labeling within the model we be evaluated against owner requirements for As-Built, Record, or Facilities Management model.

SECTION 8
GEOTECHNICAL REPORT

- GEOTECHNICAL REPORTS
  - THE COAST ACADEMY
  - WACCAMAW ELEMENTARY

Geotechnical Exploration Report
The Coast Academy
Bolivia, North Carolina
S&ME Project No. 1306-19-020

PREPARED FOR:

LS3P Associates Limited
101 North Third Street Suite 500
Wilmington, North Carolina 28401

PREPARED BY:

S&ME, Inc.
3006 Hall Waters Drive, Suite 100
Wilmington, North Carolina 28405

September 9, 2019

September 9, 2019

LS3P Associates Limited
101 North Third Street Suite 500
Wilmington, North Carolina 28401

Attention: Mr. Charles H. Boney Jr.

Reference: **Geotechnical Exploration Report**
The Coast Academy
1109 Old Ocean Hwy
Bolivia, North Carolina
S&ME Project No. 1306-19-020
NC PE Firm License No. F-0176

Dear Mr. Boney:

S&ME is pleased to submit this geotechnical exploration report for the referenced project site. The work was completed in general accordance with our proposal number 13-1900318 dated July 16, 2019. The purpose of the exploration was to evaluate subsurface conditions as they relate to site grading and building foundations. This report presents a summary of pertinent project information, results of field testing, and our geotechnical engineering conclusions and recommendations. A Site Vicinity Plan, Boring Location Plan, SPT boring logs, and Generalized Subsurface Profile are included in the appendix.

S&ME appreciates the opportunity to provide our services on this project. Please contact us if you have any questions regarding this report or if we may be of further assistance.

Sincerely,

S&ME, Inc.

Elliot Blonshine
Geotechnical Staff Professional

J. Adam Browning, P.E.
Senior Engineer
N.C. Registration No. 034984

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1.0 Project and Site Information

This report is based on the following information:

- Email from Mr. Charles H. Boney, Jr with LS3P to Mr. Nate Buffum, P.E. with S&ME on July 11, 2019 which contained a request for a proposal with report requirements described by Mr. Don Woods, P.E. with Woods Engineering.
- Boring Location Plan with building location.

We understand that Brunswick County Schools (BCS) is proposing construction of a roughly 6,000 square foot shop building with a concrete slab-on-grade and masonry block walls. The structure will be relatively light with maximum column loads of 50 kips and wall loads of less than 3 kips per linear foot. The site is currently an open grassed lawn and is relatively flat. A final floor elevation was not provided and thus we have assumed less than 1 to 2 feet of cut/fill will be required to reach design subgrade elevation.

Based on a review of Google Earth aerial photographs, it appears the existing school was under construction in July of 2006. Signs of stockpiled debris (potentially strippings or other organic materials) appear in the vicinity of this proposed building footprint in the July 2006 Google Earth aerial photograph.

2.0 Methods of Exploration

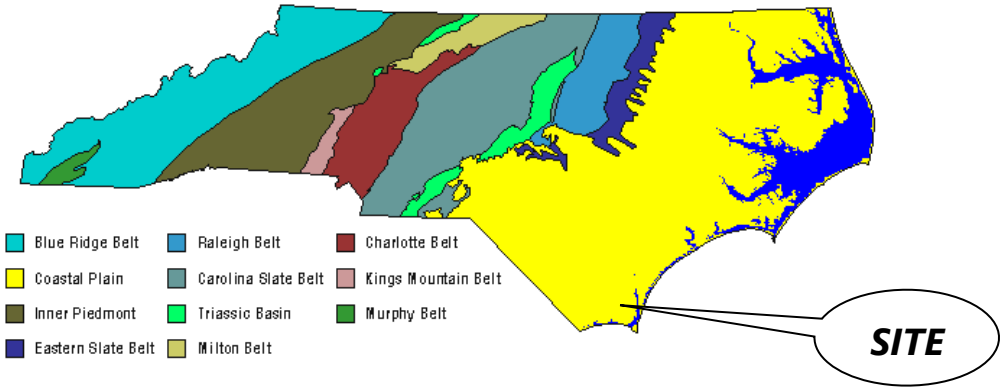
Our exploration included a site reconnaissance by a geotechnical professional and the performance of two standard penetration test (SPT) borings. Boring locations were established in the field by our personnel by estimating distances and angles from existing site features. S&ME advanced two SPT borings (S-1 and S-2) as shown on the Boring Location Plan (Figure 1B) in the Appendix. The borings were drilled by Mid-Atlantic Drilling on August 21, 2019, using a CME 45 rig equipped with an automatic hammer. The borings were advanced to approximate depths of 20 and 50 feet below the existing ground surface using mud rotary drilling techniques. Within the borings, samples of subsurface soils were taken at 2.5-foot intervals above a depth of 10 feet and at 5-foot intervals below 10 feet using a split-spoon sampler. Standard penetration tests (SPTs) were conducted in conjunction with split-spoon sampling in general accordance with ASTM D1586-11 using an automatic hammer. The ground surface elevations shown on the Boring Logs were interpolated from Google Earth topographic information (based on USGS elevation information) and should be considered approximate.

Water levels were measured at termination of drilling; however, water levels were likely impacted by the introduction of fluid during drilling. At the end of our exploration, the borings were backfilled with soil cuttings to the ground surface.

3.0 Surface and Subsurface Conditions

3.1 Physiography

Figure 1 - Physiography



The site is located within the Coastal Plain Physiographic Province of North Carolina as shown in Figure 1. The Coastal Plain Province is typically characterized by marine, alluvial, and aeolian sediments that were deposited during periods of fluctuating sea levels and moving shorelines. The soils and basal formations in the North Carolina Coastal Plain Physiographic Province are typical of those laid down in a shallow sloping sea bottom; interbedded sands and clays with irregular deposits of shells and layers of limestone and cemented sands.

According to the 1985 Geologic Map of North Carolina, the site is underlain by the Waccamaw Formation of Tertiary age. This formation consists of fossiliferous sand, with silt and clay, typically appearing bluish-gray to tan. The top of the coastal formations on the geologic map are typically on the order of 30 to 100 feet below the ground surface. They represent basal, relatively hard formations with consistency over large areas.

3.2 Subsurface Conditions

The exploration typically encountered very loose to medium dense, silty and clayey sands (USCS classification of SM and SC) to approximate depths of 37 feet below the existing ground surface. An approximately 2.5 to 5-feet thick zone of firm clay (CL and CH) was encountered from 3 to 8 feet below ground surface. Loose to very dense clayey and silty sands associated with the Waccamaw Formation were encountered at approximately 37 feet in boring S-2.

Both borings encountered organic materials in the upper 5.5 to 8 feet. Organic material typically consisted of small roots and pieces of wood. Heavier amounts and larger pieces of wood (about 6 inches long) were encountered from about 3 to 8 feet below ground surface in boring S-1.

Water levels were measured upon completion of the borings. Water levels at the time of the exploration were encountered at depths of 1 to 1.5 feet below existing ground surface in each boring. These levels may have been affected by the introduction of fluid during drilling. Water levels will vary with seasonal conditions.

4.0 Conclusions and Recommendations

The exploration indicates the site is adaptable for the proposed construction. Building foundations may be designed as conventional shallow foundations bearing in suitable natural soils and well-compacted fill soils. The primary geotechnical considerations will be the liquefaction potential of the on-site soils, and the need to remove and replace organic material present within the building footprint to depths of about 5.5 to 8 feet.

The following presents out geotechnical recommendations regarding site grading and structural support. During the review of these recommendations, it should be kept in mind that subsurface conditions will vary between the test locations. These conditions could include such things as poorly-compacted fill deposits, buried debris, or remnants of previous development. The unexpected conditions can normally be handled during construction by on-site engineering evaluation.

4.1 Earthwork

4.1.1 Site Preparation

Site preparation should begin with clearing and stripping the proposed construction areas of any topsoil, roots, organics, and other unsuitable foundation supporting material. Any voids created from stripping and removing construction materials should be cleaned and filled with well-compacted controlled fill. Any existing utilities should be removed, the excavation observed, and backfilled with compacted structural fill.

Boring S-1 encountered very loose to loose sand in the upper 5.5 feet, and firm clay from about 5.5 to 8 feet. Boring S-2 encountered loose sand in the upper 3 feet, with firm clays to 8 feet. Organic materials (roots and pieces of wood) were encountered in the upper 5.5 to 8 feet at each boring. Based on the borings, we recommend undercutting to depths of 6 to 8 feet to remove the soft/loose organic laden soils, and replacing with compacted structural fill to the subgrade elevation.

After the required initial site work has been completed, we recommend that the exposed subgrade soils be proofrolled with a 10-ton smooth-drum self-propelled roller operating in the static mode or a loaded dump truck to locate any areas of soft or otherwise unsuitable surface conditions. Any area that ruts or pumps should be disced, moisture conditioned to near the soil's optimum moisture content by drying or wetting, and recompacted. If water is drawn to the surface, the vibrator should be disengaged.

4.1.2 Placement of Structural Fill

Structural fill will be required at this site to reach finished grades. We recommend structural fill consist of a clean sand, a slightly silty sand, a slightly clayey sand, or a silty sand with less than 20 percent fines and having a Unified Soil Classification of SP, SP-SM, SP-SC, or SM. The more clayey and silty sands (% passing No. 200 sieve greater than 12%) are moisture sensitive and will be difficult to work with during wet weather conditions. The fill should

be free of organics and debris, be placed in 8 to 10-inch thick lifts and should be compacted to at least 98 percent of its standard Proctor maximum dry density (ASTM D 698). To confirm that the specified degree of compaction is being obtained, field density testing should be performed in each fill lift by a soils technician.

4.1.3 Excavations

Installation of footings and new utilities may require excavations to depths of up to approximately 5 feet below the existing ground surface and undercut of the organic laden soils may require excavations to depths of up to 8 feet. The excavations may require temporary sloping in addition to construction dewatering. We anticipate internal sumps and pumps will provide adequate groundwater control. Borings indicate that excavations will extend through low to moderate consistency soils. Generally, these soils can be excavated using trackhoes, and other types of typical earthmoving equipment.

4.1.3.1 Temporary Sloping and Shoring

Temporary construction slopes and excavation shoring should be designed in strict compliance with the most recent local, state, and federal governing regulations, including OSHA (29 CFR Part 1926) excavation trench safety standards. Temporary excavations should be cut to a stable slope or the excavations should be temporarily braced, depending upon the excavation depth, nearby site features, and encountered subsurface conditions. Temporary slopes should be designed using analytical methods, as the standard OSHA temporary slope angles for different types of soils may not be applicable for this site.

Stockpiles should be placed well away from the edge of the excavations, and their heights should be controlled so they do not surcharge the sides of the excavations. The responsibility for excavation safety and stability of temporary construction slopes should lie solely with the constructor. This information is provided only as a service and under no circumstance should S&ME be assumed to be responsible for construction site safety.

4.1.3.2 Construction Dewatering

Excavations extending below the groundwater level will require groundwater control. Potential groundwater control methods include open pumping, predrainage dewatering, and cutoff/exclusion. Open pumping utilizes submersible sump pumps in pits or trenches dug below the bottom of the excavation and backfilled with No. 57 stone. Submersible sump pumps placed in perforated or slotted plastic pipe installed in angled pits backfilled with No. 57 stone below the bottom of the excavation, called "stingers", are another type of open pumping. Pumping can be performed on an intermittent basis to remove water from the construction excavation, but should be continuous (24 hours a day) to maintain excavation bottom stability. Predrainage dewatering requires the installation of temporary wells and/or well points within or around the excavations, with continuous (24 hours a day) pumping both before excavation and while the excavations are in use to lower the groundwater adequately beneath the entire excavation areas. Groundwater should be maintained a minimum of 2 to 3 feet below the excavation bottom throughout construction to maintain bottom stability. The dewatering system designer should also consider the influence of dewatering on any nearby structures and roadways.

The responsibility for dewatering of construction excavations should lie solely with the contractor. This information is provided only as a service and under no circumstance should S&ME be assumed to be responsible for the effectiveness of the construction dewatering method(s) selected by the contractor.

4.1.4 Subgrade Repair and Improvement Methods

The exposed subgrade can deteriorate and lose support when exposed to construction traffic and adverse weather conditions. Deterioration can occur in the form or rutting, pumping, freezing, or erosion. We recommend that during construction, exposed subgrade surfaces be sealed at the end of each day or when wet weather is forecast. Water should not be allowed to pond on exposed subgrades. Heavy rubber-tired construction equipment should not be allowed to operate on exposed subgrades during wet conditions.

Immediately prior to floor slab construction, exposed subgrade soils should be evaluated by proofrolling to determine their stability. Soils which rut, pump, or deflect under proofrolling should be repaired prior to ABC stone placement. Repair measures may include scarifying/drying/recompacting, undercutting, placement of geotextiles, or some combination of these. Actual repair measures will be influenced by project schedule and weather conditions and can only be determined in the field by the geotechnical engineer.

4.2 Building Foundation Recommendations

Based on the borings and assumed structural loads, and assuming the organic materials encountered are removed and replaced, the building may be supported on shallow spread footings provided the site is prepared as recommended above. The following sections provide our geotechnical conclusions and recommendations regarding building foundation support.

4.2.1 Bearing Pressure

Shallow foundations for the building may be designed using a net allowable soil bearing pressure of 2,000 pounds per square foot. All foundation excavations should be evaluated by the geotechnical engineer or his representative prior to concrete placement to confirm the suitability of underlying materials. This evaluation will include probing and hand-augering and dynamic cone penetrometer testing. If loose, soft or otherwise unsuitable soils are encountered, these soils should be densified or over-excavated and backfilled with compacted structural fill or lean concrete.

If water collects in any excavations it should be removed promptly. Care should be exercised during construction of foundations in order not to disturb bearing soils and reduce their bearing strength. Concrete for the footings should be placed as soon as practical following excavation. If concrete placement is delayed, placement of a concrete "mud mat" on exposed bearing soils should be considered.

4.2.2 Bearing Depth and Dimension

Footings should bear at least 18 inches below exterior grade to avoid frost penetration and develop the design bearing capacity. Continuous wall footings should be at least 18 inches wide and isolated column footings should be at least 24 inches wide. This recommendation is made to prevent a localized or "punching" shear failure condition which can occur with very narrow footings.

4.2.3 Settlement

Based on conditions encountered by this exploration, our assumed structural loads, and provided the site is prepared as recommended above, we expect that maximum total settlements beneath footings will be less than 1 inch. Differential settlements are expected to be ½ inch or less for footings bearing on similar materials.

4.3 Floor Slab

The ground floor slab may be constructed above suitable compacted fill or stable natural soils provided that the recommendations described above are implemented. The slab should be separated from footings to allow for relative displacement.

We recommend that at least 6 inches of compacted select granular material be placed beneath all ground floor slabs to provide a capillary break, provide more uniform slab support, and reduce damage to subgrade soils during construction. The select granular fill should classify as SP, SP-SM, SW, or SW-SM in accordance with the Unified Soil Classification System, which requires that these soils have less than 12 percent passing the No. 200 sieve. Manufactured materials such as aggregate base course (ABC) or processed fill (i.e., screenings) meeting this specification can be used. A modulus of subgrade reaction value of 150 psi/in may be used to design floor slab on subgrades consisting of these soils compacted to at least 98 percent of the soil's standard Proctor maximum dry density.

Exposure to the environment and construction activities will weaken the floor slab subgrade soils. Therefore, we recommend that subgrade soils in slab areas be evaluated prior to placement of the select granular fill. If near surface deterioration of the soils has occurred, undercutting or reworking of the fill may be necessary.

Based on the results of our exploration and the assumed finish floor elevation, the floor slab will not be below the exterior grade and will not be subjected to hydrostatic pressure from groundwater. However, water vapor transmission through the slab is still a design consideration. Evaluating the need for and design of a vapor retarder or vapor barrier for moisture control is outside our scope of services and should be determined by the project architect/structural engineer based on the planned floor coverings and the corresponding design constraints, as outlined in ACI 302.1R-04 Guide for Concrete Floor and Slab Construction. Further, health and environmental considerations with respect to any potentially harmful vapor transmission are also outside of our scope.

4.4 Seismic Site Classification

4.4.1 Liquefaction Triggering

We performed a seismic liquefaction triggering evaluation using the methods presented by Youd et. al. (2001) and Boulanger and Idriss (2014) based on the design earthquake (M=7.3). The design earthquake has a 2 percent probability of exceedance in a 50-year period. This is equivalent to an earthquake that has the likelihood of occurring once every 2,475 years.

To help evaluate the consequences of liquefaction, the Liquefaction Potential Index (LPI) was computed. The LPI is an empirical tool used to evaluate the site liquefaction hazard and the potential for liquefaction-induced damages[1]. The LPI considers the factor of safety against liquefaction, the depth to the liquefiable soils, and the thickness of the liquefiable soils to compute an index that ranges from 0 to 100. An LPI of 0 means there is no risk of liquefaction; an LPI of 100 means the entire profile is expected to liquefy. The level of risk is generally defined as:

- LPI < 5 – surface manifestation and liquefaction-induced damage not expected.
- 5 ≤ LPI ≤ 15 – moderate liquefaction with some surface manifestation possible.
- LPI > 15 – severe liquefaction and foundation damage is likely.

Based on the results of our analyses, we conclude that the site has potential for severe liquefaction for the design earthquake under the 2018 NCBC. LPI calculated at our test locations is about 25; therefore, liquefaction-induced damage is expected.

4.4.2 Seismic Site Class and Ground Motion Parameters

Section 1613.3.2 of the IBC 2015, as referenced by the 2018 North Carolina Building Code, classifies sites with the potential for liquefaction as Seismic Site Class F. However, the IBC 2015 allows the design spectral response accelerations for a site to be determined without regard to liquefaction provided buildings have a fundamental period of less than or equal to 0.5 seconds and the risks of liquefaction are considered in design. The proposed building should meet these criteria; however, this must be confirmed by the Structural Engineer. **The site should be considered as Site Class F**. Provided the above criteria are met, the design accelerations may be calculated on the basis of a Site Class D assumption. The spectral response accelerations and site coefficients for the site are given below.

Table 1 – Ground Motion Parameters

Method	Site Class	S_S	S_1	S_{DS}	S_{D1}	PGA_M	Seismic Design Category
ASCE 7-10	D	0.266g	0.107g	0.282g	0.169g	0.213g	C

4.4.3 Liquefaction Mitigation – Earthquake Drains

The project owner may elect to mitigate the liquefaction potential discussed above. Earthquake drain installation can mitigate liquefaction potential and reduce seismic settlement to acceptable levels (less than 2 inches); however, the drains cannot totally eliminate seismic settlement. The drains allow for the rapid dissipation of excess soil porewater pressures generated during a seismic event thus reducing liquefaction. The drains are composed of corrugated, perforated plastic pipe encased in a filter fabric which prevents migration of fines into the pipe. Pipe diameters and spacing's vary according to the anticipated liquefaction risk and may be

[1] Iwasaki et al. 1982, Toprak & Holzer (2003).

supplemented with man-made gravel reservoirs for additional water storage. The drains are installed by vibrating a steel casing into the ground which helps densify the surrounding loose sands and allows insertion of the drain pipe.

Earthquake drains are typically provided in a design-build contract by a specialty contractor experienced with the design and installation of the system. If the owner decides to take measures to mitigate liquefaction potential, requests be submitted to qualified contractors to prepare a proposal to furnish all necessary labor, equipment, and materials to design and install EQ drains to reduce liquefaction-induced deformations for the IBC 2015 design earthquake in building areas to a magnitude acceptable to the structural engineer. The IBC 2015 design event comprises a 7.3 magnitude earthquake with a peak ground acceleration (PGA) of 0.233. A copy of this report should be submitted with the request to provide the necessary subsurface data to perform the design. The proposals should be evaluated by the project Geotechnical and Structural Engineers, and then a contractor should be selected based on technical approach, past experience, and cost.

If performed, EQ drain installation should be observed by a representative of the Geotechnical Engineer to confirm that 1) earthquake drains are installed in all locations, 2) earthquake drains are installed to the design depth, and 3) note any non-conformance with the EQ drain design.

If requested, S&ME can be retained to design the earthquake drain program, which in turn could then be provided to specialty contractors.

5.0 Qualifications of Report

This report has been prepared in accordance with generally accepted engineering practice for specific application to this project. Any wetland, environmental, or contaminant assessment efforts are beyond the scope of this geotechnical exploration; and therefore, those issues are not addressed in this report. The conclusions and recommendations contained in this report are based on the applicable standards of our profession at the time this report was prepared. No other warranty, express or implied, is made.

The nature and extent of variations between and beyond the specific boring locations may not become evident until discovered during construction. If variations appear evident, then it will be necessary to re-evaluate the recommendations of this report. In the event that any changes in the nature or design of the proposed facility are planned, the conclusions and recommendations contained in this report should be reviewed and conclusions of this report modified or verified in writing.

Appendices

Appendix I –Figures



REFERENCE: GOOGLE EARTH

	SITE VICINITY PLAN	SCALE: NOT TO SCALE	FIGURE NO.
	THE COAST ACADEMY ADDITION BOLIVIA, NORTH CAROLINA	DATE: 9/5/2019 PROJECT NUMBER 1306-19-020	**1A**

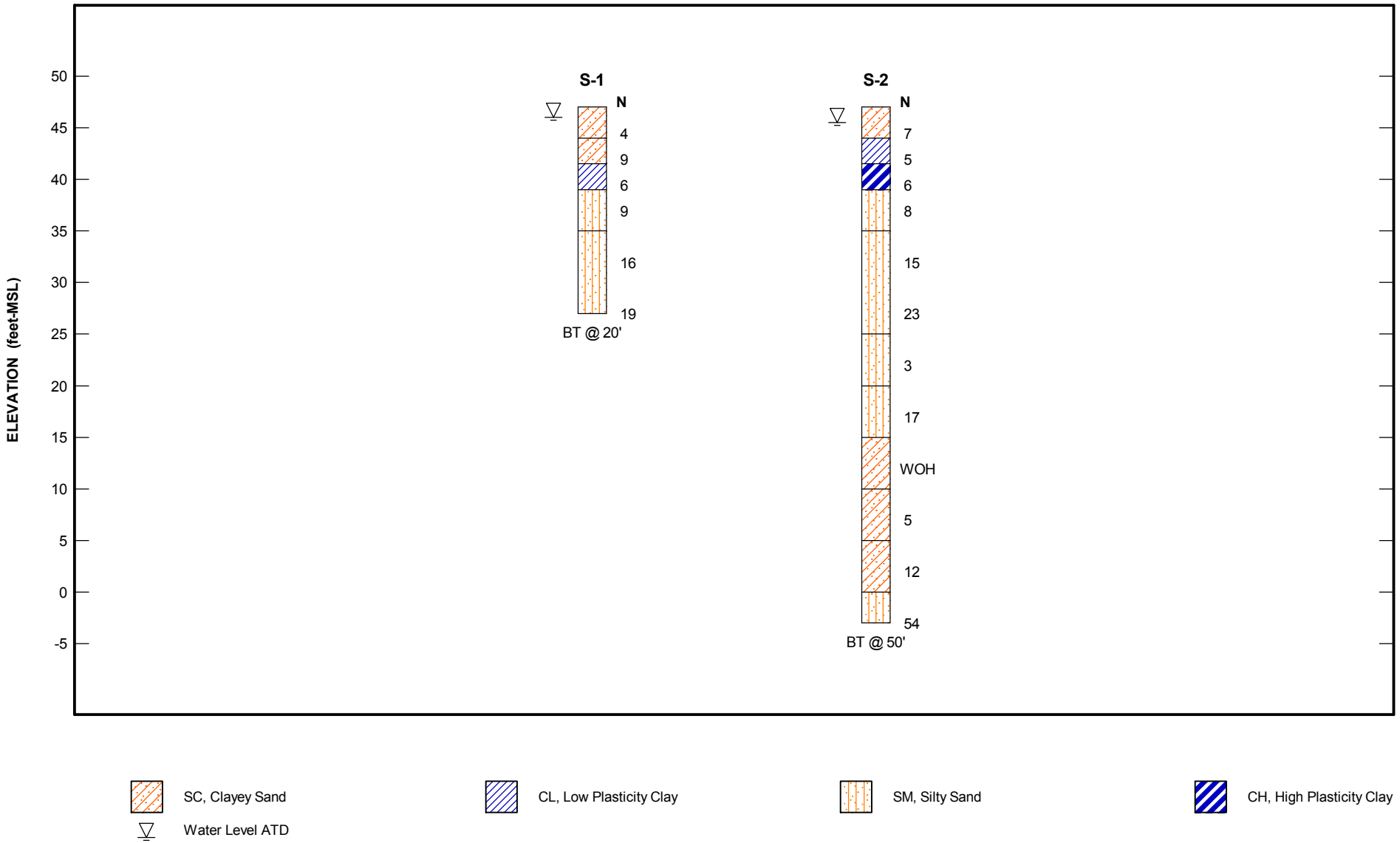


N

S-1 - 20' Proposed Boring Locations

REFERENCE: GOOGLE EARTH

	BORING LOCATION PLAN	SCALE: NOT TO SCALE	FIGURE NO.
	THE COAST ACADEMY ADDITION BOLIVIA, NORTH CAROLINA	DATE: 9/5/2019 PROJECT NUMBER 1306-19-020	**1B**



N = Standard Penetration Test resistance value (blows per foot). The depicted stratigraphy is shown for illustrative purposes only. The actual subsurface conditions will vary between boring locations. Elevations are approximate.

JOB NO: 1306-19-020		Diagram: Generalized Subsurface Conditions	Figure 2
DATE: 9/4/19		Project: The Coast Academy Location: Bolivia, North Carolina	

Appendix II – Boring Logs

PROJECT: **The Coast Academy**
Bolivia, North Carolina
S&ME Project No. 1306-19-020

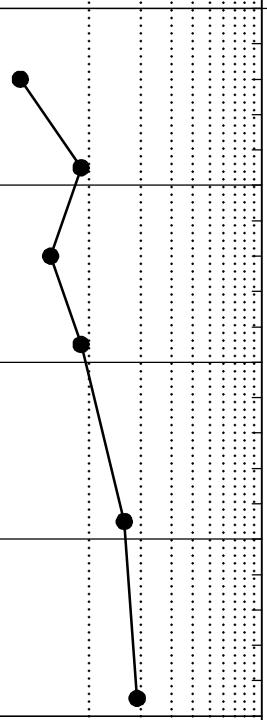
BORING LOG **S-1**

DATE DRILLED: **8/21/19**	ELEVATION: **47.0 ft**
DRILL RIG: **CME 45**	BORING DEPTH: **20.0 ft**
DRILLER: **Mid Atlantic Drilling**	WATER LEVEL: **1' ATD**
HAMMER TYPE: **Automatic**	LOGGED BY: **E. Blonshine**
SAMPLING METHOD: **Split spoon**	
DRILLING METHOD: **Mud Rotary**	

NOTES: **Boring location and elevation are approximate.**

DEPTH (feet)	MATERIAL DESCRIPTION	ELEVATION (feet)	SAMPLE NO.	SAMPLE TYPE	BLOW COUNT / CORE DATA 1st 6in / RUN #	2nd 6in / REC	3rd 6in / RQD	N VALUE
	COASTAL PLAIN: CLAYEY SAND (SC) very loose, black, trace organics (roots/wood), fine, moist				1	2	2	4
	CLAYEY SAND (SC) loose, black, with organics (large wood pieces), fine, wet				3	4	5	9
5	**SANDY CLAY (CL)** firm, gray, with organics (wood pieces), wet	42.0			2	3	3	6
	SILTY SAND (SM) loose, light gray, with silt seam, fine, wet				2	3	6	9
10		37.0						
	SILTY SAND (SM) medium dense, light gray, fine, wet				4	7	9	16
15		32.0						
					8	9	10	19
20	Boring terminated at 20 ft	27.0						

STANDARD PENETRATION TEST DATA (blows/ft) / REMARKS



S&ME BORING LOG NO NORTHING AND EASTING 1306-19-020 COAST ACADEMY.GPJ S&ME.GDT 9/4/19

NOTES:

1. ***THIS LOG IS ONLY A PORTION OF A REPORT PREPARED FOR THE NAMED PROJECT AND MUST ONLY BE USED TOGETHER WITH THAT REPORT.***
2. ***BORING, SAMPLING AND PENETRATION TEST DATA IN GENERAL ACCORDANCE WITH ASTM D-1586.***
3. ***STRATIFICATION AND GROUNDWATER DEPTHS ARE NOT EXACT.***
4. ***WATER LEVEL IS AT TIME OF EXPLORATION AND WILL VARY.***

PROJECT: **The Coast Academy**
Bolivia, North Carolina
S&ME Project No. 1306-19-020

BORING LOG **S-2**

DATE DRILLED: **8/21/19**	ELEVATION: **47.0 ft**
DRILL RIG: **CME 45**	BORING DEPTH: **50.0 ft**
DRILLER: **Mid Atlantic Drilling**	WATER LEVEL: **1.5' ATD**
HAMMER TYPE: **Automatic**	LOGGED BY: **E. Blonshine**
SAMPLING METHOD: **Split spoon**	
DRILLING METHOD: **Mud Rotary**	

NOTES: **Boring location and elevation are approximate.**

DEPTH (feet)	MATERIAL DESCRIPTION	ELEVATION (feet)	SAMPLE NO.	SAMPLE TYPE	1st 6in / RUN #	2nd 6in / REC	3rd 6in / RQD	N VALUE
	COASTAL PLAIN: CLAYEY SAND (SC) loose, black, trace organics (roots), fine, moist				2	3	4	7
	SANDY CLAY (CL) firm, black, some organics (roots/wood), moist				2	2	3	5
5	**CLAY (CH)** firm, gray, trace sand, moist	42.0			2	2	4	6
	SILTY SAND (SM) loose, light gray, with silt seam, fine, wet				3	3	5	8
10		37.0						
	SILTY SAND (SM) medium dense, light gray, fine, wet				5	8	7	15
15		32.0						
					7	10	13	23
20		27.0						
	SILTY SAND (SM) very loose, dark gray, fine, wet				1	2	1	3
25		22.0						
	SILTY SAND (SM) medium dense, dark gray, fine, wet				1	6	11	17
30		17.0						
	CLAYEY SAND (SC) very loose, gray, fine, wet				WOH	WOH	WOH	WOH

STANDARD PENETRATION TEST DATA (blows/ft) / REMARKS
10 20 30 60 80

S&ME BORING LOG NO NORTHING AND EASTING 1306-19-020 COAST ACADEMY.GPJ S&ME.GDT 9/4/19

NOTES:

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3. ***STRATIFICATION AND GROUNDWATER DEPTHS ARE NOT EXACT.***
4. ***WATER LEVEL IS AT TIME OF EXPLORATION AND WILL VARY.***

PROJECT: **The Coast Academy**
Bolivia, North Carolina
S&ME Project No. 1306-19-020

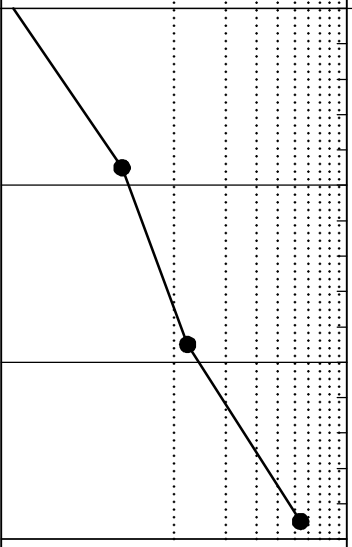
BORING LOG **S-2**

DATE DRILLED: **8/21/19**	ELEVATION: **47.0 ft**
DRILL RIG: **CME 45**	BORING DEPTH: **50.0 ft**
DRILLER: **Mid Atlantic Drilling**	WATER LEVEL: **1.5' ATD**
HAMMER TYPE: **Automatic**	LOGGED BY: **E. Blonshine**
SAMPLING METHOD: **Split spoon**	
DRILLING METHOD: **Mud Rotary**	

NOTES: **Boring location and elevation are approximate.**

DEPTH (feet)	MATERIAL DESCRIPTION	ELEVATION (feet)	SAMPLE NO.	SAMPLE TYPE	BLOW COUNT / CORE DATA 1st 6in / RUN #	2nd 6in / REC	3rd 6in / RQD	N VALUE
	CLAYEY SAND (SC) very loose, gray, fine, wet *(continued)*							
40	**CLAYEY SAND (SC)** loose, gray, with shell hash, fine, wet	7.0			6	3	2	5
45	**CLAYEY SAND (SC)** medium dense, gray, with shell hash, fine, wet	2.0			6	6	6	12
50	**SILTY SAND (SM)** very dense, gray, fine, wet	-3.0			18	23	31	54
	Boring terminated at 50 ft							

STANDARD PENETRATION TEST DATA (blows/ft) / REMARKS — 10 20 30 60 80



S&ME BORING LOG NO NORTHING AND EASTING 1306-19-020 COAST ACADEMY.GPJ S&ME.GDT 9/4/19

NOTES:

1. ***THIS LOG IS ONLY A PORTION OF A REPORT PREPARED FOR THE NAMED PROJECT AND MUST ONLY BE USED TOGETHER WITH THAT REPORT.***
2. ***BORING, SAMPLING AND PENETRATION TEST DATA IN GENERAL ACCORDANCE WITH ASTM D-1586.***
3. ***STRATIFICATION AND GROUNDWATER DEPTHS ARE NOT EXACT.***
4. ***WATER LEVEL IS AT TIME OF EXPLORATION AND WILL VARY.***

Geotechnical Exploration Report
Waccamaw Elementary Addition
Ash, North Carolina
S&ME Project No. 1306-19-019

PREPARED FOR:

LS3P Associates Limited
101 North Third Street Suite 500
Wilmington, North Carolina 28401

PREPARED BY:

S&ME, Inc.
3006 Hall Waters Drive, Suite 100
Wilmington, NC 28405

September 24, 2019

September 24, 2019

LS3P Associates Limited
101 North Third Street Suite 500
Wilmington, North Carolina 28401

Attention: Mr. Charles H. Boney Jr.

Reference: **Geotechnical Exploration Report**
Waccamaw Elementary School Addition
5901 Waccamaw School Road NW
Ash, North Carolina
S&ME Project No. 1306-19-019
NC PE Firm License No. F-0176

Dear Mr. Boney:

S&ME is pleased to submit this geotechnical exploration report for the referenced project site. The work was completed in general accordance with our proposal number 13-1900322 dated July 17, 2019. The purpose of the exploration was to evaluate subsurface conditions as they relate to site grading and building foundations. This report presents a summary of pertinent project information, results of field testing, and our geotechnical engineering conclusions and recommendations. A Site Vicinity Plan, Boring Location Plan, SPT boring logs, and Generalized Subsurface Profile are included in the appendix.

S&ME appreciates the opportunity to provide our services on this project. Please contact us if you have any questions regarding this report or if we may be of further assistance.

Sincerely,

S&ME, Inc.

J. Adam Browning, P.E.
Sep 24 2019 3:03 PM

DocuSign

Elliot Blonshine
Geotechnical Staff Professional

J. Adam Browning, P.E.
Senior Engineer
N.C. Registration No. 034984

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1.0 Project and Site Information

This report is based on the following information:

- Email from Mr. Charles H. Boney, Jr with LS3P to Mr. Nate Buffum, P.E. with S&ME on July 11, 2019 which contained a request for a proposal with report requirements described by Mr. Don Woods, P.E. with Woods Engineering.
- Boring Location Plan with building addition location.

We understand that Brunswick County Schools (BCS) is making improvements to Waccamaw Elementary School on Waccamaw School Road NW in Ash, North Carolina. Improvements include demolishing an existing classroom building and construction of a roughly 14,000 square foot, nine-classroom building with a concrete slab-on-grade and masonry block walls. The new building will be roughly in the footprint of the existing building and adjacent bus parking lot area.

The structure will be relatively light with maximum column loads of 50 kips and wall loads of less than 3 kips per linear foot. A final floor elevation was not provided, but we have assumed it will match the existing building's FFE. Thus, we have assumed less than 1 to 2 feet of cut/fill will be required to reach design subgrade elevation.

2.0 Methods of Exploration

Our exploration included a site reconnaissance by a geotechnical professional and the performance of two standard penetration test (SPT) borings.

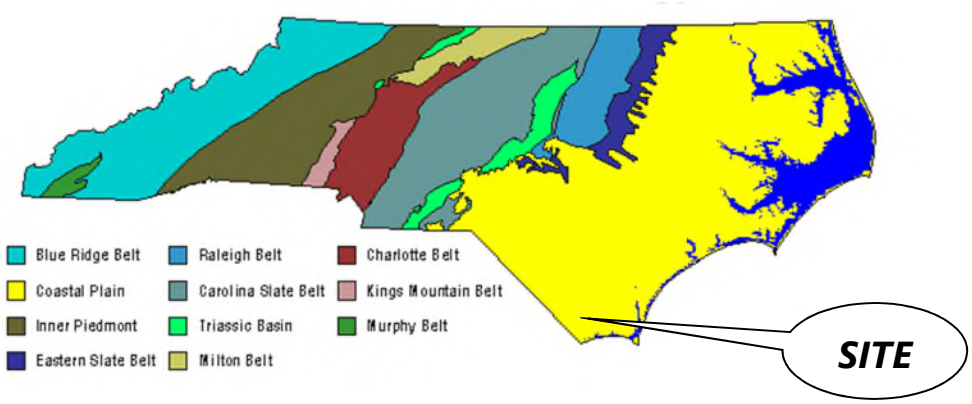
Boring locations were established in the field by our personnel by estimating distances and angles from existing site features. S&ME advanced two SPT borings (B-1 and B-2) as shown on the Boring Location Plan (Figure 1B) in the Appendix. The borings were drilled by Mid-Atlantic Drilling on August 22, 2019, using a CME 45 rig equipped with an automatic hammer. The borings were advanced to approximate depths of 30 and 50 feet below the existing ground surface using mud-rotary drilling techniques. Within the borings, samples of subsurface soils were taken at 2.5-foot intervals above a depth of 10 feet and at 5-foot intervals below 10 feet using a split-spoon sampler. Standard penetration tests (SPTs) were conducted in conjunction with split-spoon sampling in general accordance with ASTM D1586-11 using an automatic hammer. The ground surface elevations shown on the Boring Logs are from Google Earth and should be considered approximate.

Water levels were measured at termination of drilling; however water levels were likely impacted by the introduction of fluid during drilling. At the end of our exploration, the borings were backfilled with soil cuttings to the ground surface and patched with asphalt cold patch.

3.0 Subsurface Conditions

3.1 Physiography

Figure 1 - Physiography



The site is located within the Coastal Plain Physiographic Province of North Carolina as shown in Figure 1. The Coastal Plain Province is typically characterized by marine, alluvial, and aeolian sediments that were deposited during periods of fluctuating sea levels and moving shorelines. The soils and basal formations in the North Carolina Coastal Plain Physiographic Province are typical of those laid down in a shallow sloping sea bottom; interbedded sands and clays with irregular deposits of shells and layers of limestone and cemented sands. Alluvial sands, silts, and clays are typically present near rivers and creeks. Deposits of peat, organic silt, and organic clay are also typically present in or near current or former tidal marsh areas in the outer portion of the Coastal Plain.

According to the 1985 Geologic Map of North Carolina, the site is underlain by the Peedee Formation of Cretaceous age. This formation consists of fossiliferous and calcareous sand, clayey sand, and greenish gray to olive black clay. The top of the coastal formations on the geologic map are typically on the order of 30 to 100 feet below the ground surface. They represent basal, relatively hard formations with consistency over large areas.

3.2 Subsurface Conditions

The exploration typically encountered very loose to medium dense, silty, clayey and relatively clean sands to approximate depths of 47 feet below the existing ground surface. An approximately 10-feet thick zone of very soft clay was encountered from 12 to 22 feet below ground surface. Dense silty sand associated with the Peedee Formation was encountered at approximately 47 feet in boring B-2.

Water levels were measured upon completion of the borings. Water levels at the time of the exploration were encountered at depths of 3.5 feet below existing ground surface in each boring. These levels may have been affected by the introduction of fluid during drilling. Water levels will vary with seasonal conditions.

4.0 Conclusions and Recommendations

The exploration indicates the site is adaptable for the proposed construction. Building foundations may be designed as conventional shallow foundations bearing in suitable natural soils and well-compacted fill soils. The primary geotechnical consideration will be the potential for liquefaction during the design seismic event (see section 4.4).

The following presents out geotechnical recommendations regarding site grading and structural support. During the review of these recommendations, it should be kept in mind that demolition and replacement of an existing building is planned. With any previously-developed site, unexpected subsurface conditions will be encountered. Also, subsurface conditions will vary between the test locations and different subsurface conditions may be encountered beneath the existing building. These conditions could include such things as poorly-compacted fill deposits, buried debris, or remnants of previous development. The unexpected conditions can normally be handled during construction by on-site engineering evaluation.

4.1 Earthwork

4.1.1 Site Preparation

Site preparation should begin with demolition of the existing building and clearing and stripping the proposed construction areas of any topsoil, roots, organics, and other unsuitable foundation supporting material. Any voids created from stripping and removing construction materials should be cleaned and filled with well-compacted controlled fill. A sanitary sewer line was marked within the proposed building footprint. Any existing utilities should be removed/relocated, the excavation observed, and backfilled with compacted structural fill.

After the required initial site work has been completed, we recommend that the exposed subgrade soils be proofrolled with a 10-ton smooth-drum self-propelled roller operating in the static mode or a loaded dump truck to locate any areas of soft or otherwise unsuitable surface conditions. Any area that ruts or pumps should be disced, moisture conditioned to near the soil's optimum moisture content by drying or wetting, and recompacted. If water is drawn to the surface, the vibrator should be disengaged.

Each boring encountered very loose sands (N-value of 4 or less) at depths of about 3 to 8 feet below ground surface. Depending on the final subgrade elevation, and the conditions below the existing building, undercutting or densification may be required.

4.1.2 Placement of Structural Fill

We anticipate minimal new structural fill will be required (i.e. less than 2 feet) at this site to reach finished grades. Where structural fill is required to reach finished grade and is placed above existing grade, we recommend that a clean sand, a slightly silty sand, a slightly clayey sand, or a silty sand with less than 20 percent fines and having a Unified Soil Classification of SP, SP-SM, SP-SC, or SM be used. The more clayey and silty sands (% passing No. 200 sieve greater than 12%) are moisture sensitive and will be difficult to work with during wet weather conditions. The fill should be free of organics and debris, be placed in 8 to 10-inch thick lifts and should be compacted to at least 98 percent of its standard Proctor maximum dry density (ASTM D 698). To confirm that the

specified degree of compaction is being obtained, field density testing should be performed in each fill lift by a soils technician.

4.1.3 Excavations

Installation of footings and new utilities may require excavations to depths of up to approximately 5 feet below the existing ground surface. The excavations may require temporary sloping in addition to construction dewatering. We anticipate internal sumps and pumps will provide adequate groundwater control. Borings indicate that excavations will extend through low to moderate consistency soils. Generally, these soils can be excavated using trackhoes, and other types of typical earthmoving equipment.

4.1.3.1 Temporary Sloping and Shoring

Temporary construction slopes and excavation shoring should be designed in strict compliance with the most recent local, state, and federal governing regulations, including OSHA (29 CFR Part 1926) excavation trench safety standards. Temporary excavations should be cut to a stable slope or the excavations should be temporarily braced, depending upon the excavation depth, nearby site features, and encountered subsurface conditions. Temporary slopes should be designed using analytical methods, as the standard OSHA temporary slope angles for different types of soils may not be applicable for this site.

Stockpiles should be placed well away from the edge of the excavations, and their heights should be controlled so they do not surcharge the sides of the excavations. The responsibility for excavation safety and stability of temporary construction slopes should lie solely with the constructor. This information is provided only as a service and under no circumstance should S&ME be assumed to be responsible for construction site safety.

4.1.3.2 Construction Dewatering

S&ME does not anticipate significant dewatering will be required provided excavations are less than 2 to 3 feet below existing grade. If deeper excavations are performed, potential groundwater control methods include open pumping, predrainage dewatering, and cutoff/exclusion. Open pumping utilizes submersible sump pumps in pits or trenches dug below the bottom of the excavation and backfilled with No. 57 stone. Submersible sump pumps placed in perforated or slotted plastic pipe installed in angled pits backfilled with No. 57 stone below the bottom of the excavation, called "stingers", are another type of open pumping. Pumping can be performed on an intermittent basis to remove water from the construction excavation, but should be continuous (24 hours a day) to maintain excavation bottom stability. Predrainage dewatering requires the installation of temporary wells and/or well points within or around the excavations, with continuous (24 hours a day) pumping both before excavation and while the excavations are in use to lower the groundwater adequately beneath the entire excavation areas. Groundwater should be maintained a minimum of 2 to 3 feet below the excavation bottom throughout construction to maintain bottom stability. The dewatering system designer should also consider the influence of dewatering on any nearby structures and roadways.

The responsibility for dewatering of construction excavations should lie solely with the contractor. This information is provided only as a service and under no circumstance should S&ME be assumed to be responsible for the effectiveness of the construction dewatering method(s) selected by the contractor.

4.1.4 Subgrade Repair and Improvement Methods

The exposed subgrade can deteriorate and lose support when exposed to construction traffic and adverse weather conditions. Deterioration can occur in the form or rutting, pumping, freezing, or erosion. We recommend that during construction, exposed subgrade surfaces be sealed at the end of each day or when wet weather is forecast. Water should not be allowed to pond on exposed subgrades. Heavy rubber-tired construction equipment should not be allowed to operate on exposed subgrades during wet conditions.

Immediately prior to floor slab construction, exposed subgrade soils should be evaluated by proofrolling to determine their stability. Soils which rut, pump, or deflect under proofrolling should be repaired prior to ABC stone placement. Repair measures may include scarifying/drying/recompacting, undercutting, placement of geotextiles, or some combination of these. Actual repair measures will be influenced by project schedule and weather conditions and can only be determined in the field by the geotechnical engineer.

4.2 Building Foundation Recommendations

Based on the borings and assumed structural loads, the building may be supported on shallow spread footings provided the site is prepared as recommended above. The following sections provide our geotechnical conclusions and recommendations regarding building foundation support.

4.2.1 Bearing Pressure

Shallow foundations for the building may be designed using a net allowable soil bearing pressure of 2,000 pounds per square foot. All foundation excavations should be evaluated by the geotechnical engineer or his representative prior to concrete placement to confirm the suitability of underlying materials. This evaluation will include probing and hand-augering and dynamic cone penetrometer testing. If loose, soft or otherwise unsuitable soils are encountered, these soils should be densified or overexcavated and backfilled with washed stone (NCDOT No. 57).

Based on the borings, loose sands were encountered in the upper 3 ft beneath the existing ground surface and very loose sands between 3 and 8 feet below ground surface. Overexcavation and replacement with washed stone will likely be required. The overexcavation depths should be determined by a representative of the geotechnical engineer based on the foundation subgrade evaluations.

If water collects in any excavations it should be removed promptly. Care should be exercised during construction of foundations in order not to disturb bearing soils and reduce their bearing strength. Concrete for the footings should be placed as soon as practical following excavation. If concrete placement is delayed, placement of a concrete "mud mat" on exposed bearing soils should be considered.

4.2.2 Bearing Depth and Dimension

Footings should bear at least 18 inches below exterior grade to avoid frost penetration and develop the design bearing capacity. Continuous wall footings should be at least 18 inches wide and isolated column footings should be at least 24 inches wide. This recommendation is made to prevent a localized or "punching" shear failure condition which can occur with very narrow footings.

4.2.3 Settlement

Based on conditions encountered by this exploration, our assumed structural loads, and provided the site is prepared as recommended above, we expect that maximum total settlements beneath footings will be less than 1 inch. Differential settlements are expected to be ½ inch or less for footings bearing on similar materials.

4.3 Floor Slab

The ground floor slab may be constructed above suitable compacted fill or stable natural soils provided that the recommendations described above are implemented. The slab should be separated from footings to allow for relative displacement.

We recommend that at least 6 inches of compacted select granular material be placed beneath all ground floor slabs to provide a capillary break, provide more uniform slab support, and reduce damage to subgrade soils during construction. The select granular fill should classify as SP, SP-SM, SW, or SW-SM in accordance with the Unified Soil Classification System, which requires that these soils have less than 12 percent passing the No. 200 sieve. Manufactured materials such as aggregate base course (ABC) or processed fill (i.e., screenings) meeting this specification can be used. A modulus of subgrade reaction value of 150 psi/in may be used to design floor slab on subgrades consisting of these soils compacted to at least 98 percent of the soil's standard Proctor maximum dry density.

Exposure to the environment and construction activities will weaken the floor slab subgrade soils. Therefore, we recommend that subgrade soils in slab areas be evaluated prior to placement of the select granular fill. If near surface deterioration of the soils has occurred, undercutting or reworking of the fill may be necessary.

Based on the results of our exploration and the assumed finish floor elevation, the floor slab will not be below the exterior grade and will not be subjected to hydrostatic pressure from groundwater. However, water vapor transmission through the slab is still a design consideration. Evaluating the need for and design of a vapor retarder or vapor barrier for moisture control is outside our scope of services and should be determined by the project architect/structural engineer based on the planned floor coverings and the corresponding design constraints, as outlined in ACI 302.1R-04 Guide for Concrete Floor and Slab Construction. Further, health and environmental considerations with respect to any potentially harmful vapor transmission are also outside of our scope.

4.4 Seismic Site Classification

The following sections pertain to seismic considerations.

4.4.1 Liquefaction Triggering

We performed a seismic liquefaction triggering evaluation using the methods presented by Youd et. al. (2001) and Boulanger and Idriss (2014) based on the design earthquake (M=7.3). The design earthquake has a 2 percent probability of exceedance in a 50-year period. This is equivalent to an earthquake that has the likelihood of occurring once every 2,475 years.

To help evaluate the consequences of liquefaction, the Liquefaction Potential Index (LPI) was computed. The LPI is an empirical tool used to evaluate the site liquefaction hazard and the potential for liquefaction-induced damages[1]. The LPI considers the factor of safety against liquefaction, the depth to the liquefiable soils, and the thickness of the liquefiable soils to compute an index that ranges from 0 to 100. An LPI of 0 means there is no risk of liquefaction; an LPI of 100 means the entire profile is expected to liquefy. The level of risk is generally defined as:

- LPI < 5 – surface manifestation and liquefaction-induced damage not expected.
- 5 ≤ LPI ≤ 15 – moderate liquefaction with some surface manifestation possible.
- LPI > 15 – severe liquefaction and foundation damage is likely.

Based on the results of our analyses, we conclude that the site has a severe potential for liquefaction for the design earthquake under the 2018 NCBC. LPI calculated at our test locations is about 45; therefore, liquefaction-induced damage is expected during the design seismic event.

4.4.2 *Seismic Site Class and Ground Motion Parameters*

Section 1613.3.2 of the IBC 2015, as referenced by the 2018 North Carolina Building Code, classifies sites with the potential for liquefaction as Seismic Site Class F. However, the IBC 2015 allows the design spectral response accelerations for a site to be determined without regard to liquefaction provided buildings have a fundamental period of less than or equal to 0.5 seconds and the risks of liquefaction are considered in design. The proposed building should meet this criteria; however, this must be confirmed by the Structural Engineer. **The site should be considered as Site Class F**. Provided the above criteria are met, the design accelerations may be calculated on the basis of a Site Class D assumption. The spectral response accelerations and site coefficients for the site are given below.

Table 1 – Ground Motion Parameters

Method	Site Class	S_S	S_1	S_{DS}	S_{D1}	PGA_M	Seismic Design Category (S_{DS} / S_{D1})
ASCE 7-10	F	0..311g	0.121g	0.321g	0.187g	0.241g	C / D

4.4.3 *Liquefaction Mitigation – Earthquake Drains*

The project owner may elect to mitigate the liquefaction potential discussed above. Earthquake drain installation can mitigate liquefaction potential and reduce seismic settlement to acceptable levels (less than 2 inches); however, the drains cannot totally eliminate seismic settlement. The drains allow for the rapid dissipation of excess soil porewater pressures generated during a seismic event thus reducing liquefaction. The drains are

[1] Iwasaki et al. 1982, Toprak & Holzer (2003).

composed of corrugated, perforated plastic pipe encased in a filter fabric which prevents migration of fines into the pipe. Pipe diameters and spacing's vary according to the anticipated liquefaction risk and may be supplemented with man-made gravel reservoirs for additional water storage. The drains are installed by vibrating a steel casing into the ground which helps densify the surrounding loose sands and allows insertion of the drain pipe.

Earthquake drains are typically provided in a design-build contract by a specialty contractor experienced with the design and installation of the system. If the owner decides to take measures to mitigate liquefaction potential, requests be submitted to qualified contractors to prepare a proposal to furnish all necessary labor, equipment, and materials to design and install EQ drains to reduce liquefaction-induced deformations for the IBC 2015 design earthquake in building areas to a magnitude acceptable to the structural engineer. The IBC 2015 design event comprises a 7.3 magnitude earthquake with a peak ground acceleration (PGA_M) of 0.241. A copy of this report should be submitted with the request to provide the necessary subsurface data to perform the design. The proposals should be evaluated by the project Geotechnical and Structural Engineers, and then a contractor should be selected based on technical approach, past experience, and cost.

If performed, EQ drain installation should be observed by a representative of the Geotechnical Engineer to confirm that 1) earthquake drains are installed in all locations, 2) earthquake drains are installed to the design depth, and 3) note any non-conformance with the EQ drain design.

5.0 Qualifications of Report

This report has been prepared in accordance with generally accepted engineering practice for specific application to this project. Any wetland, environmental, or contaminant assessment efforts are beyond the scope of this geotechnical exploration; and therefore, those issues are not addressed in this report. The conclusions and recommendations contained in this report are based on the applicable standards of our profession at the time this report was prepared. No other warranty, express or implied, is made.

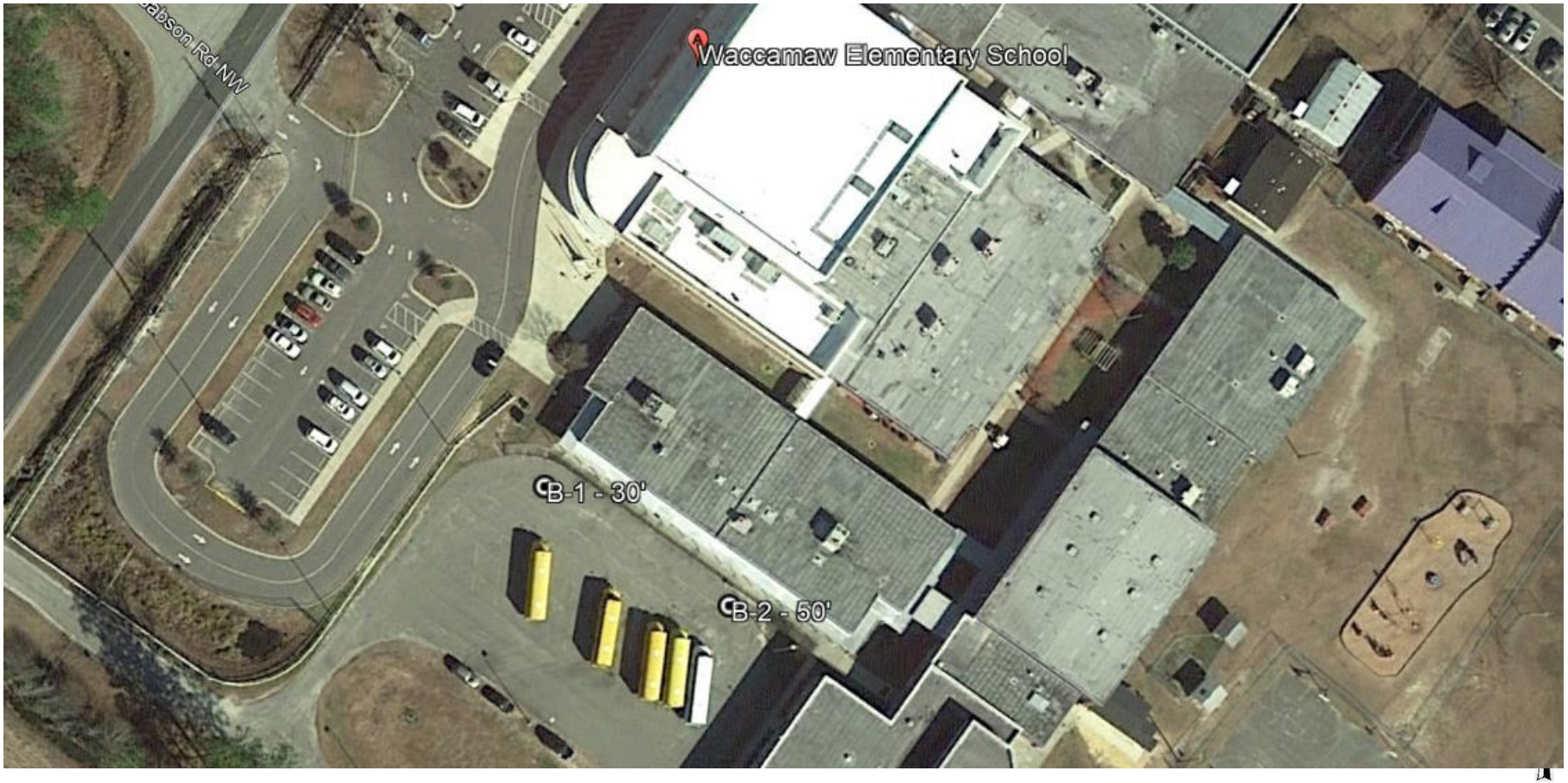
The nature and extent of variations between and beyond the specific sounding locations may not become evident until discovered during construction. If variations appear evident, then it will be necessary to re-evaluate the recommendations of this report. In the event that any changes in the nature or design of the proposed facility are planned, the conclusions and recommendations contained in this report should be reviewed and conclusions of this report modified or verified in writing.

Appendices



REFERENCE: GOOGLE EARTH

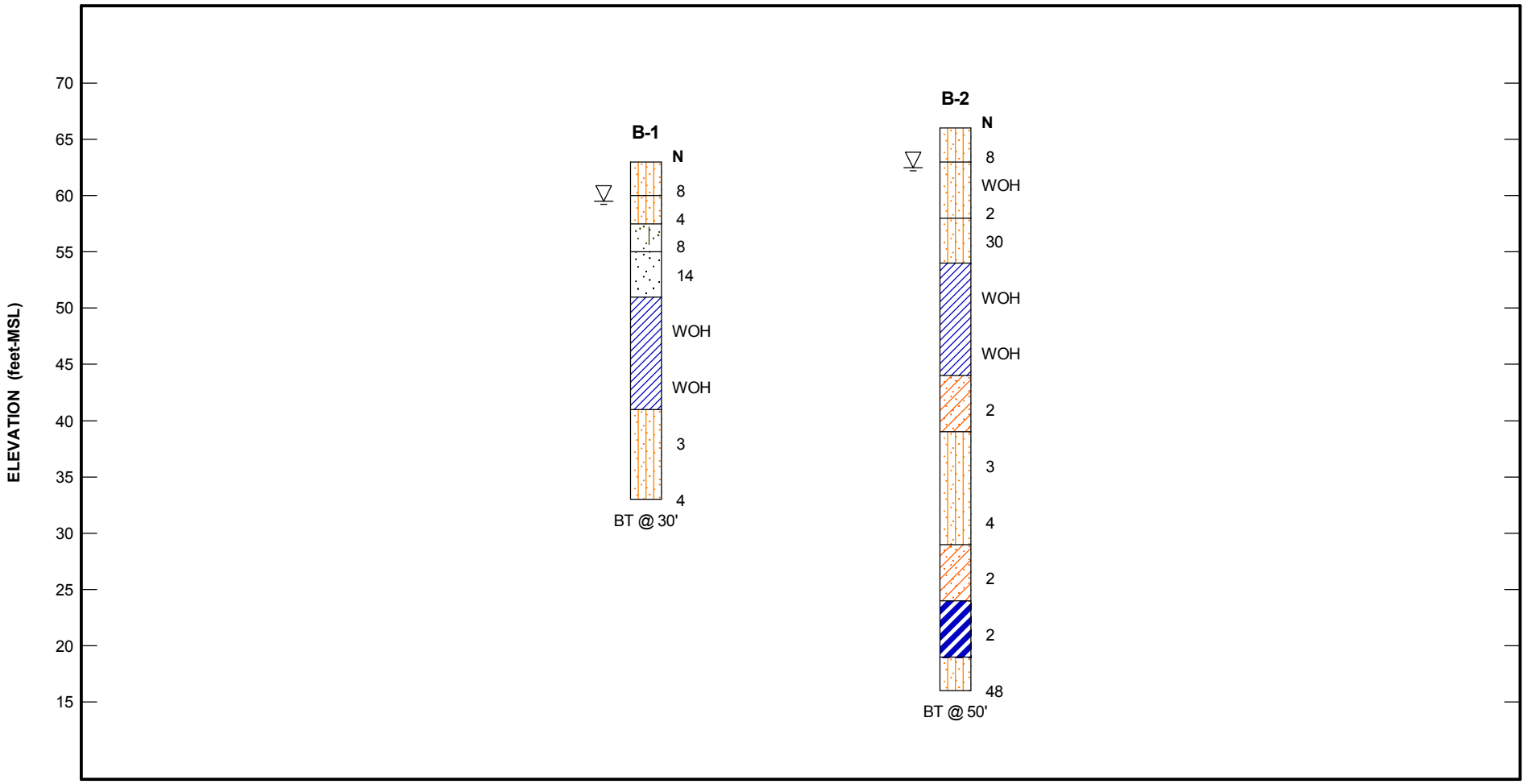
	SITE VICINITY PLAN	SCALE: NOT TO SCALE	FIGURE NO.
	WACCAMAW ELEMENTARY ADDITION ASH, NORTH CAROLINA	DATE: 9/5/2019 PROJECT NUMBER 1306-19-019	**1A**



B-1 - 30' Proposed Boring Locations

REFERENCE: GOOGLE EARTH

	BORING LOCATION PLAN	SCALE: NOT TO SCALE	FIGURE NO.
	WACCAMAW ELEMENTARY ADDITION ASH, NORTH CAROLINA	DATE: 9/5/2019 PROJECT NUMBER 1306-19-019	**1B**



N = Standard Penetration Test resistance value (blows per foot). The depicted stratigraphy is shown for illustrative purposes only. The actual subsurface conditions will vary between boring locations. Elevations are approximate.

JOB NO: 1306-19-019		Diagram: Generalized Subsurface Conditions	Figure 2
DATE: 9/3/19		Project: Waccamaw Elementary School Additions	
		Location: Ash, North Carolina	

PROJECT: **Waccamaw Elementary School Additions**
Ash, North Carolina
S&ME Project No. 1306-19-019

BORING LOG **B-1**

DATE DRILLED: **8/22/19**	ELEVATION: **63.0 ft**
DRILL RIG: **CME 45**	BORING DEPTH: **30.0 ft**
DRILLER: **Mid Atlantic Drilling**	WATER LEVEL: **3.5' ATD**
HAMMER TYPE: **Automatic**	LOGGED BY: **E. Blonshine**
SAMPLING METHOD: **Split spoon**	
DRILLING METHOD: **Mud Rotary**	

NOTES: **Boring location and elevation are approximate.**

DEPTH (feet)	MATERIAL DESCRIPTION	ELEVATION (feet)	SAMPLE NO.	SAMPLE TYPE	BLOW COUNT / CORE DATA 1st 6in / RUN #	2nd 6in / REC	3rd 6in / RQD	STANDARD PENETRATION TEST DATA (blows/ft) / REMARKS	N VALUE
0	**COASTAL PLAIN: SILTY SAND (SM)** loose, black, fine, moist				4	4	4		8
	SILTY SAND (SM) very loose, tan, fine, moist				3	2	2		4
5	**SAND (SP-SM)** loose, dark brown, with silt, fine, wet	58.0			3	3	5		8
	SAND (SP) medium dense, brown, trace silt, trace mica, fine, wet	53.0			3	5	9		14
10									
	SILTY CLAY (CL) very soft, gray, some sand, wet	48.0			WOH	WOH	WOH		WOH
15									
		43.0			WOH	WOH	WOH		WOH
20									
	SILTY SAND (SM) very loose, gray, fine, wet	38.0			1	1	2		3
25									
		33.0			2	2	2		4
30	Boring terminated at 30 ft								

STANDARD PENETRATION TEST DATA (blows/ft) / REMARKS: 10 20 30 60 80

S&ME BORING LOG NO NORTHING AND EASTING WACCAMAW K-8 ADDITION.GPJ S&ME.GDT 9/3/19

NOTES:

1. *THIS LOG IS ONLY A PORTION OF A REPORT PREPARED FOR THE NAMED PROJECT AND MUST ONLY BE USED TOGETHER WITH THAT REPORT.*
2. *BORING, SAMPLING AND PENETRATION TEST DATA IN GENERAL ACCORDANCE WITH ASTM D-1586.*
3. *STRATIFICATION AND GROUNDWATER DEPTHS ARE NOT EXACT.*
4. *WATER LEVEL IS AT TIME OF EXPLORATION AND WILL VARY.*

PROJECT: **Waccamaw Elementary School Additions**
Ash, North Carolina
S&ME Project No. 1306-19-019

BORING LOG **B-2**

DATE DRILLED: **8/22/19**	ELEVATION: **66.0 ft**
DRILL RIG: **CME 45**	BORING DEPTH: **50.0 ft**
DRILLER: **Mid Atlantic Drilling**	WATER LEVEL: **3.5' ATD**
HAMMER TYPE: **Automatic**	LOGGED BY: **E. Blonshine**
SAMPLING METHOD: **Split spoon**	
DRILLING METHOD: **Mud Rotary**	

NOTES: **Boring location and elevation are approximate.**

DEPTH (feet)	MATERIAL DESCRIPTION	ELEVATION (feet)	SAMPLE NO.	SAMPLE TYPE	1st 6in / RUN #	2nd 6in / REC	3rd 6in / RQD	N VALUE
	COASTAL PLAIN: SILTY SAND (SM) loose, black, fine, moist				5	5	3	8
5	**SILTY SAND (SM)** very loose, dark brown, fine, wet	61.0			WOH	WOH	WOH	WOH
					3	1	1	2
10	**SILTY SAND (SM)** medium dense, brown, fine, wet	56.0			8	13	17	30
15	**SILTY CLAY (CL)** very soft, gray, some sand, wet	51.0			WOH	WOH	WOH	WOH
20		46.0			WOH	WOH	WOH	WOH
25	**CLAYEY SAND (SC)** very loose, gray, fine, wet	41.0			1	1	1	2
30	**SILTY SAND (SM)** very loose, gray, fine, wet	36.0			2	1	2	3
					2	2	2	4

STANDARD PENETRATION TEST DATA (blows/ft) / REMARKS — 10 20 30 60 80

S&ME BORING LOG NO NORTHING AND EASTING WACCAMAW K-8 ADDITION.GPJ S&ME.GDT 9/3/19

NOTES:

1. ***THIS LOG IS ONLY A PORTION OF A REPORT PREPARED FOR THE NAMED PROJECT AND MUST ONLY BE USED TOGETHER WITH THAT REPORT.***
2. ***BORING, SAMPLING AND PENETRATION TEST DATA IN GENERAL ACCORDANCE WITH ASTM D-1586.***
3. ***STRATIFICATION AND GROUNDWATER DEPTHS ARE NOT EXACT.***
4. ***WATER LEVEL IS AT TIME OF EXPLORATION AND WILL VARY.***

PROJECT: **Waccamaw Elementary School Additions**
Ash, North Carolina
S&ME Project No. 1306-19-019

BORING LOG **B-2**

DATE DRILLED: **8/22/19**	ELEVATION: **66.0 ft**
DRILL RIG: **CME 45**	BORING DEPTH: **50.0 ft**
DRILLER: **Mid Atlantic Drilling**	WATER LEVEL: **3.5' ATD**
HAMMER TYPE: **Automatic**	LOGGED BY: **E. Blonshine**
SAMPLING METHOD: **Split spoon**	
DRILLING METHOD: **Mud Rotary**	

NOTES: **Boring location and elevation are approximate.**

DEPTH (feet)	MATERIAL DESCRIPTION	ELEVATION (feet)	SAMPLE NO.	SAMPLE TYPE	BLOW COUNT / CORE DATA 1st 6in / RUN #	2nd 6in / REC	3rd 6in / RQD	STANDARD PENETRATION TEST DATA (blows/ft) / REMARKS	N VALUE
	SILTY SAND (SM) very loose, gray, fine, wet *(continued)*								
40	**CLAYEY SAND (SC)** very loose, gray, trace shell hash, fine, wet	26.0			1	1	1		2
45	**SILTY CLAY (CH)** very soft, gray, wet	21.0			1	1	1		2
50	**SILTY SAND (SM)** dense, gray, fine, wet	16.0			15	23	25		48
	Boring terminated at 50 ft								

STANDARD PENETRATION TEST DATA (blows/ft) / REMARKS: 10 20 30 60 80

S&ME BORING LOG NO NORTHING AND EASTING WACCAMAW K-8 ADDITION.GPJ S&ME.GDT 9/3/19

NOTES:

1. ***THIS LOG IS ONLY A PORTION OF A REPORT PREPARED FOR THE NAMED PROJECT AND MUST ONLY BE USED TOGETHER WITH THAT REPORT.***
2. ***BORING, SAMPLING AND PENETRATION TEST DATA IN GENERAL ACCORDANCE WITH ASTM D-1586.***
3. ***STRATIFICATION AND GROUNDWATER DEPTHS ARE NOT EXACT.***
4. ***WATER LEVEL IS AT TIME OF EXPLORATION AND WILL VARY.***

SECTION 9
CM CLARIFICATIONS

CM Clarification #01 Issued _____

CM Clarification #02 Issued _____

CM Clarification #03 Issued _____

CM Clarification #04 Issued _____

CM Clarification #05 Issued _____

CM Clarification #06 Issued _____

CM Clarification #07 Issued _____

SECTION 10
DESIGNER SUPPLEMENTAL INSTRUCTIONS & ADDENDA

SI/Addendum #1 Issued _____

SI/Addendum #2 Issued _____

SI/Addendum #3 Issued _____

SI/Addendum #4 Issued _____