

# **The Healing Place of New Hanover County**

## **Addendum #2 – December 02, 2020**

**This addendum is to be considered part of the bid documents and must be acknowledged on the appropriate bid forms.**

**1. Revised Bid Date:**

- a. The bid date has been extended to Dec 10, 2020 @ 12:00 PM.

**2. Clarifications:**

- a. We have included the response to the clarifications provided by the architect. (Please note some requests are pending responses)

**3. Bid Package(s):**

- a. We have included the bid package for BP 09.3 Ceramic Tile. We have included revised bid packages for BP 02.8 Landscaping, BP 02.5 Asphalt Paving, and BP 08.1 Glass & Glazing.

**4. Bid Form:**

- a. We have included the bid form for BP 15.4 HVAC & Controls.
- b. We have included revised Bid forms for all packages reflecting the new bid date.

**5. Retaining Wall Specification**

- a. Specification 329400 Modular Concrete Block Wall System

**6. Food Service Equipment Drawings**

- a. We have included drawing FS-100, Hood Detail Drawings and Cooler/Freezer Details.

**7. Site Drawing**

- a. We have included revised drawing SITE 301 and added the bike rack details.

**8. CAD Drawing**

- a. We have included the CAD file for the site.

# **The Healing Place of New Hanover County**

## **Bid Scope Manual – Table of Contents December 02, 2020**

### **Contents:**

Instructions to Bidders: Pg. 1

Affidavit B Pg. 2

### **Bid Scope packages:**

BP 02.5 Asphalt Paving CG

BP 02.8 Landscaping

BP 08.1 Glass Glazing

BP 09.3 Ceramic Tile

### **Bid Form-BP 15.4 HVAC & Controls**

### **Revised Bid forms (for all the scopes)**

### **Drawings:**

- a. SITE 301
- b. B-20.03 (Bike Rack Details)
- c. Sheet no. 1, 2 & 3 (Hood Details)
- d. FS-100

### **Specification:**

- a. Indoor Cooler/Freezer Detail
- b. 329400 Modular Concrete Block Wall System

# INSTRUCTIONS TO BIDDERS:

This page is considered part of the construction documents. By acknowledging the construction documents on the proposal form, you acknowledge that you have included the information on this INSTRUCTION TO BIDDERS.

1. The bids are due by 12:00 PM at JM Thompson Office (1002 E Chatham St, Cary, NC 27511). There will be a virtual bid opening at 2:00 PM. Link for the virtual opening will be provided on the bid day.
2. We have included Affidavit B.
3. We have included the clarifications.
4. We have included revised bid packages for BP 02.5 Asphalt Paving CG, BP 02.8 Landscaping & BP 08.1 Glass Glazing. We have included the BP 09.3 Ceramic Tile.
5. The permeable pavers have been deleted from the BP 02.8 Landscaping and added to BP 02.5 Asphalt Paving CG.
6. An allowance for 5,000 SY of Bermuda SOD is to be included in the BP 02.8 Landscaping based on the bidder's unit price.
7. An allowance of \$ 50,000.00 to be included for the BP 02.8 Landscaping for irrigation.
8. We have issued revised bid forms for all the scopes, please note the only change is the revised bid date unless otherwise noted. We have added the bid form for BP 15.4 HVAC & Controls.
9. We have included the CAD drawings for the site.
10. We have included the following drawings:
  - e. SITE 301
  - f. B-20.03 (Bike Rack Details)
  - g. Sheet no. 1, 2 & 3 (Hood Details)
  - h. FS-100
11. We have added following to the specification:
  - c. Indoor Cooler/Freezer Detail
  - d. 329400 Modular Concrete Block Wall System

End of Addendum #2

## **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

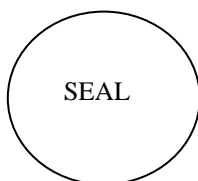
The Bidder agrees to provide any additional information or documentation requested by the owner in support of the above statement.

The 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: \_\_\_\_\_



State of North Carolina, County of \_\_\_\_\_  
Subscribed and sworn to before me this \_\_\_\_\_ day of \_\_\_\_\_ 20\_\_\_\_  
Notary Public \_\_\_\_\_  
My commission expires \_\_\_\_\_





Project Name: **The Healing Place of New Hanover County**

Date: **12/2/2020**

Number	DESCRIPTION	RESPONSE / ANSWER
1.00	The Signage scope package should be voided as signage will not be part of this bid process. This will be reevaluated and updates will be provided at a later date.	
2.00	Is an emailed copy (of the Bid Bond) ok or am I going to need an original?	Bid bond must be an original.
3.00	On the Proposal Form - Attached - it is our understanding that we are checking the boxes to acknowledge our review of the items. Are any attachments required to be included with this form/	The checklist is simply an acknowledgement that you have reviewed, understand & agreed to provide the documents as shown. The Bid Bond, Hub participation forms, Bid form and checklist are what is required to be provided in the proposal.
4.00	What is the threshold for requirement of bid bond?	Bid Bond is required for any bids above \$ 250,000.00.
5.00	Who is to be listed as the obligee for the bid bond?	J.M. Thompson to be listed as the obligee for the bid bond.
6.00	Please provide a specification on the vinyl encased foam padding attached to the top of the wall w/velcro	Include an allowance of \$ 5,000.00.
7.00	Waiver for CAD File	CAD File provided
8.00	Is there you have a detail for the 3 retaining walls? What type of wall is required? Are tiebacks required? Is there drainage stone and drainage piping required?	We are providing a modular block retaining wall specification with this addendum. Retaining walls are to be designed and sealed by an independent engineer and submitted as shop drawing for review by the design team. A separate permit may be required. Typically only walls higher than 5' require separate permits and none of the walls on site are higher than 5'.
9.00	Note 5 Sheet 604 states that an underdrain system with impermeable liner is depending on the geotechnical report but it is not clearly shown where it is referred to in the geotechnical. Will the underdrain system with impermeable liner be required?	The impermeable liner on the underdrain system WILL BE required.
10.00	What package will be responsible for the granular fill under the building slabs?	BP 3.0 Building Concrete
11.00	BP02.0 specific scope of work item 26 says that the contractor is responsible for permits. Could you please specify what permits we will be responsible for, as well as NCDOT bond(s)?	Grading permit is picked up by sub-contractor at no cost, however subcontractor is responsible for NCDOT bond
12.00	Does subgrade need to be established for the future parking / storage building?	No.
13.00	which package going to do the Retaining Walls	BP 2.0 Earthwork
14.00	Can a spec or detail be provided for the fountain pump vault? Who is responsible for the pumps inside the vault?	Fountain sub-contractor
15.00	Who is responsible for the subgrade and backfill for the French drains under permeable pavers?	BP 2.50 Asphalt Paving
16.00	The geotechnical report shows a design for a Light Duty and a Heavy Duty Asphalt. Could you please verify that we are to use the Heavy Duty design for all the asphalt on the project?	All drive isles are to be Heavy Duty Asphalt; only the double loaded parking bay in the main parking lot is Light Duty Asphalt.
17.00	Can you provide the thickness for the asphalt stone base & paving?	Please refer to page 36 specification volume 1.
18.00	Please provide specification on bicycle rack, also can you please confirm the quantity.	Attached bikerack details

Project Name: The Healing Place of New Hanover County

Date: 12/2/2020

Number	DESCRIPTION	RESPONSE / ANSWER
19.00	The north entrance to the site has curb and gutter that seems to be drawn as 30" curb and gutter but there is no typical for 30" curb and gutter. Please advise?	All on site curb & gutter is 24".
20.00	Please provide a detail for the pipe bollards.	A pipe bollard detail has been added to SITE 604.
21.00	Is there stone under the sidewalks? What package is responsible for installing the stone if any is required?	Stone is only required under sidewalks is there are poor soil conditions (reference: note 6 on SD 3-10 on SITE 600. The Owner will retain a geotechnical engineer to inspect subgrade conditions prior to installing the sidewalk. The geotechnical engineer will make the determination as to whether there are poor soil conditions that require stone under sidewalks.
22.00	Where are the areas required for integral color?	Integral color is not required.
23.00	What package is responsible for installing the stone foundation under the Concrete Commercial Driveway Aprons, Patio & Plaza Concrete Paving?	BP 2.60 Site Concrete
24.00	What package is responsible for the Bus Shelter?	Not in scope
25.00	In regards to line item 14, what all site amenities are you looking for us to cover? Please confirm.	Bicycle Racks.
26.00	Is there any grass, sod or irrigation?	We will put in an allowance for sod and irrigation
27.00	Canopy Footings are showing for dining/shelter building only. Need drawing showing location for other buildings.	These footings will be designed by the canopy contractor
28.00	Detail for dumpster enclosure footing.	Please refer drawing Site 602.
29.00	What package is responsible for the foundation drains?	BP 3.0 Building Concrete
30.00	Which package going to do the Dumpster enclosure footings ?	BP 3.0 Building Concrete
31.00	What brick is being selected and what color mortar? Are there allowances for these? Please clarify.	Brick and colored mortar will be selected at a later date. There is an allowance for brick.
32.00	Please confirm ceiling height in dining room 240.	Ceiling is indicated at 10'-0" in detail 04/A-317.
33.00	Please confirm bid package 9.0 has penetration firestopping of the structure and the MEPFS trades are responsible for the fire stopping for their individual bid packages.	Yes
34.00	The scope mentions interior blocking in multiple locations, however nothing is stated about exterior wood blocking. Please advise who is responsible for parapet blocking, roof blocking, and blocking at exterior openings.	Exterior Opening Blocking-BP 9.0, parapet and roof blocking-BP 7.20 Roofing
35.00	The drawings show the weather barrier on the outside of the rigid insulation. Typically, the weather barrier is between the rigid insulation and the exterior sheathing. Please advise if this detail is correct. Reference details on A112-A114.	Weather barrier on top of insulation is one of two options for location of the barrier. We can consider relocating the location of the barrier with the successful bidder
36.00	Please confirm that the requirement for BP09.0 bid package regarding the firestopping scope for this project is for specification section 078443 - Joint Firestopping at gypsum partitions only.	Correct.
37.00	Please clarify whether or not the installer qualification is required, and if so, is it required for both spec section 078413 and 078443.	Installer qualifications are required as specified
38.00	Per Toilet Accessory Schedule on Plan Page A-108, TA Accessory Symbol #1 includes Automatic Hand Washing Faucet. That is not included in the Toilet Accessory Specifications. Can you please confirm which Bid Package is responsible?	Please refer to the plumbing drawings for fixture requirements

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Number	DESCRIPTION	RESPONSE / ANSWER
39.00	Grab Bars and Folding Shower Seats are shown within the ADA Transfer Showers in HC Bath 303B (Plan Page A-109). They are not shown on the Accessory Schedule. Please confirm which Scope of work is responsible?	Folding Shower Seats & Grab Bars are called for in the plumbing fixture schedule for pre-fab units. See Sheet P-001
40.00	Shower Rods are noted in Double Baths 303B & 305B (Plan A-109/Detail 05 & 06). Please advise which scope of work is responsible?	The plumbing drawings will be revised to include shower rods in the plumbing fixture schedule
41.00	FSE Drawings	Provided FS-100 drawing
42.00	"Are there gong to be any more food service drawings issued for this project? Normally, we get FS electrical, plumbing, walk-in cooler/freezer details, hood details and custom fabricated equipment details."	All electrical and plumbing details are provided by the engineering team, as well as on the detailed cutsheets and the Section 114000 Foodservice Equipment document. Captive Aire drawings were provided, and are attached. The walk-in cooler specifications were provided by Tafco, and are also attached.
43.00	There are no specs on the serving line "counters"- The drawing and specs only call out "drop-Ins" and "Sneeze Guards" which go in/on the counters- Will this be millwork counters ? There are no specs on the tray slide- Please advise	The specs for the serving line counter were provided in the cutsheets that I provided, and the details are listed in the 114000 document. Detailed drawings are typically provided from the vendor that the counter will be purchased from once the contract is in place.
44.00	Walk in Cooler-The specs say finishes as shown on drawings. Is there a detail drawing of the walk-in?	Please see attachment.
45.00	Please provide size for roof drain conductors.	The roof drain sizes are shown on the attached Roof, French & Foundation Drain Plan.
46.00	The gas line for the RTUs is shown on the mechanical drawings. Typically this is in the plumbing drawings/scope/permit. Please confirm which trade, plumbing or mechanical, is to carry the gas piping.	Plumbing
47.00	There are multiple light fixture types on the fixture schedule that do not have quantities on the plan drawings. A2, C2, G1, K1, S1, Ceiling Exit/2-Head Emergency Combo and Remote Exterior Emergency Light. Please provide confirmation.	The noted light fixtures are not on the plans.
48.00	The Men's (21-Rooms) and Women's (21-Rooms) Residential Buildings have multiple rooms that do not have lighting shown. Is the electrical contractor required to furnish any lighting in these rooms or is it owner furnished lamps?	There are not any E.C. provided lights within the residential rooms.
49.00	Please provide confirmation that NM Cable is not allowed for all buildings.	NM Cable shall not be used in assembly areas with occupancies greater than 100 people. See electrical power and lighting plans, and architect plans for identification of these areas. NM Cable is permissible in other areas, as allowed by NEC.
50.00	There is a typical note stating "FIXTURE TO BE WIRED AS A NIGHT LIGHT. NIGHT LIGHT CIRCUIT TO BE WIRED VIA CENTRAL EMERGENCY INVERTER WITH BATTERY BACK-UP. SEE PANEL SCHEDULE". Is the electrical contractor to provide battery backup in the light fixture or does this mean the inverter will be providing battery backup for the fixture?	Battery backups at each individual light fixture are not required, for lights wired via inverter. These lights are notated with "Emg-Inv"
51.00	ENT is listed in specifications but not listed as installation method. Is ENT allowed?	ENT cabling is permissible, as defined and allowed by the NEC.
52.00	Cannot find note 6 on drawing E102.0L. Can you confirm which rooms that note 6 applies to?	Note 6 is not used on E102.0L.
53.00	Who provides "Egg Crate" related to note 13 on drawing E102.0L	The E.C. is to provide the egg crate louvers.
54.00	Drawing E102.0L note 24 is shown for circuit C2-1. This is the corridor lighting for the dining area. Is circuit C2-3 also controlled by lighting contactor since it is corridor lighting? Also this is the only lighting contactor I can find after review of drawings and notes. Is this correct?	C2-1 and C2-3 are controlled by individual lighting control time clocks. See tag note #14 and tag note #24.

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Number	DESCRIPTION	RESPONSE / ANSWER
55.00	Lightning protection and ground grid is in the specifications division 264113. Will all five building require LP and ground grid systems?	Coordinate requirements for lighting protection systems with owner. Specs indicate construction standards only.
56.00	Specs state aluminum wire is OK for sizes 4/0 and larger. Drawing specs only shows copper. Please confirm if aluminum is OK or not.	Aluminum wiring is acceptable in place of copper, for #4/0 and larger wire. Only copper wire sizes are shown on the plans. Aluminum wiring, if used, should be equivalent in size, per the NEC.
57.00	Please provide additional information on the jacket for the concealed ductwork. 230713-13 states an 0.020 metal jacket on the concealed duct.	Jacket is to be a selected by M.C. See section 2.6 of specs for more information.
58.00	Under Scope of Work: 115213 Projection Screen (What is the Electrical Contractor's Responsibility with this?)(Bid Package Reference)	Furnish & Install complete by EC
59.00	Note 7 on page 3 of 13,Note 14 on page 4 of 13. Due to Covid Material Procurement is not as easy as it once was. This requires us to order earlier to make sure the material is there when we need it. The site appears to be large, are we able to have a storage trailer on site?(Bid Package Reference)	On site storage limited, figure off site storage
60.00	Note 12 on page 4 of 13. A four hour injury free environment training session. Is this proctored by the GC prior to work starting on site? Like an orientation?(Bid Package Reference)	Yes
61.00	Note 18 on page 5 of 13. With Covid concerns are the meetings going to be held virtually?(Bid Package Reference)	No, masks & 6 feet rule
62.00	Note 19 on page 5 of 13. Is that 16hrs a week of Laborer time per week that we are on site? (Bid Package Reference)	Yes while working on site
63.00	Note 25 on page 10 of 13. There are no pole lights shown on the drawings. Just making sure this is only referring to the sconces, canopy lighting and bollards. Please clarify. (Bid package reference)	Pole Site lighting by Duke Energy
64.00	Note 4 on page 7 of 13. Normally the Site contractor picks this item up by way of Unit Pricing. We are not qualified to for this type of work. Can you move the unsuitable soils contingency to the Site Contractors scope of work.	By EC
65.00	The drawings show pathways for communications and conduit requirements but do not have any specifics as to the qty's at outlets, What the backbone fiber/copper requirements are, or how the IDF/MDF's built. Please clarify.	Outlets are indicated on Electrical plans. Please refer to Division 270000 – Communications for the answer to your further questions. If not answered there, please let me know.

## **EXHIBIT “A”**

Attachment to **Subcontract/Purchase Order No.** by and between **[insert full legal name of subcontractor/seller]** and **J.M. Thompson Company**. For **BP-02.5 Asphalt Paving / C&G, The Healing Place of New Hanover County**

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### **SCOPE OF WORK/SUPPLY AND CLARIFICATIONS/QUALIFICATIONS**

#### **1. Scope of Work/Supply**

The Scope of Work/Supply is identified in the following Specification Section(s) and further described below:

<u><b>Specification Section</b></u>	<u><b>Description</b></u>
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321216	Aggregate Base Course
321313	Portland Cement Paving
	Curbs, Gutters, Sidewalks, and Driveways
	Painted Pavement Markings
	Permeable Pavers
	Traffic Signage

<u><b>Related Section</b></u>	<u><b>Description</b></u>
Division 0	Project Information
Division 1	General Requirements
All other divisions	

**The Contract Documents indicate the general Scope of the Project in terms of the design concept, the dimensions/types/locations of structures, utility and other systems and the outline of major elements of construction. The Contract Documents may not be complete and may not necessarily indicate or describe in complete detail all work required for the full performance and completion of Trade Contractor's Work. Trade Contractor understands and agrees that they are to furnish all items required for a complete and functioning system; all work shall comply with applicable code requirements and the intent of the Architect/Engineer.**

#### **1.1 GENERAL PROVISIONS – All Trade Contractors**

1. Subcontractor shall include licenses, inspections, training, tests, certifications, and warranties as required by the Contract Documents, applicable codes, state and local authorities. The work on this project may involve working in or adjacent to a roadway right of way. Specific requirements relating to eVerifi, flagman, employee training and documentation apply, subcontractors shall note these requirements in the contract documents when preparing their bids.
2. Subcontractors shall provide a directly-employed, dedicated full time Superintendent to the project at all times that work or deliveries are being performed by the subcontractor or its sub-subcontractors, or as required for the proper coordination between trades. This individual must be fully trained in all aspects of Environmental Health & Safety and possess the required certifications as required by the Safety and Health Management

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Program. The Superintendent shall not be replaced or removed by the Subcontractor without the written consent of the CM. However, the CM at their discretion may direct Subcontractor to replace the Superintendent with a mutually acceptable replacement. The superintendent must be English-speaking, and must have access to a mobile phone a direct company email.

3. Subcontractor shall inspect and verify, at least two (2) weeks prior to the start of their Work that all requirements for installation are complete and acceptable as required for installation to begin. This verification shall be submitted to the Construction Manager in writing. The site review shall include, but not be limited to a detailed review of all work in place furnished & installed by others. Items that do not meet the installation requirements must be identified accordingly.
4. Within (14) days of Notice of Award of the Subcontract, Subcontractor shall submit a detailed schedule for the entire scope of the subcontract, including a detailed schedule of values broken down into labor and material costs for each portion of the work, shop drawings, submittals, production schedule, delivery, and installation that will meet the milestone dates identified in the Construction Schedule (Exhibit D). This schedule is to be updated and submitted to the Construction Manager bi-weekly throughout the performance of this Scope. Submission of Schedule Updates and Recovery Plans (if required) shall be a prerequisite to the acceptance and processing of Subcontractor's Monthly Application for Payment.
5. Install sleeves and/or blockouts pertaining to your scope of work. Maintain sleeve and blockout opening protection. If Core drilling or saw cutting is necessary, submit a request to the engineer of record for approval prior to proceeding. Provide tradesman on standby for duration of all concrete pours to insure integrity of blockout, sleeve or embedded item is maintained. CM will provide only those openings indicated on the structural drawings. Seal and firesafe all penetrations in accordance with the contract documents and local code requirements. Firesafing shall be installed by a trade contractor regularly engaged in that business and not self-performed by the subcontractor's own forces.
6. Warranties start at the date of final acceptance of the work or beneficial occupancy, regardless of when the equipment was installed or placed in service during construction. Subcontractors shall take note of extended warranty requirements outlined in the specifications. For warranties that extend beyond the normal period, a separate warranty may be required to be written directly between the Owner and subcontractor.
7. Subcontractor shall be totally responsible for the delivery, receiving, unloading, storing, handling, protecting, hoisting, distributing, delegated engineering, layout and installation of all materials installed under this scope. Material deliveries to the jobsite shall be coordinated and approved by the CM's project superintendent. Materials shall be delivered to the jobsite, tagged/labeled in an orderly manner, protected from exposure, and free of damage. In general, materials shall be ordered and shipped for "just-in-time" delivery to avoid congestion and damage from excessive storage of materials onsite. Subcontractor shall provide trained, competent flagmen for hoisting, moving and unloading of material.
8. Subcontractor shall be responsible for taking all field measurements that are necessary to insure the proper installation of Subcontractor's work in coordination with the work of other trades. Field measurements shall be taken and coordinated in a timely manner in order to avoid delaying the project.
9. Subcontractor shall include all dewatering necessary for the performance of their work, such that should standing water be encountered in an area of work, Subcontractor shall employ the means necessary for removal.

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10. Subcontractor shall include all submittals, shop drawings, as-built drawings, O&M manuals, extra materials, and Owner training as specified. Subcontractor shall complete all submittals within thirty (30) days of the date of award of the subcontract. Subcontractor will be required to utilize the Project Team Procore platform. All submittals will be processed in an electronic format, as well as document control, field activity tracking, reports, punch listing and commissioning. Subcontractor shall provide the necessary equipment, personnel and training to support these functions on site. Any deviations, changes, and/or discrepancies differentiating the shop drawings from the Contract Documents shall be clouded and clearly marked requesting the Architect's/Engineer's review and approval. It is understood that the Subcontractor shall furnish all product submittals per the Contract Documents. Substitution requests must be submitted prior to receipt of bids as outlined in the Instruction to Bidders. Substitution requests received after the deadline will not be entertained. Provide 2 sets of physical samples to be submitted to the Construction Manager.
11. Subcontractor shall cooperate fully with building inspection officials, third-party inspectors, and designer's designated representatives for review and inspection of the work of this Subcontract. Subcontractor shall provide access to any and all areas for required testing, including providing scaffolding, safety equipment, lifts, etc as required. Subcontractor shall promptly remedy all rejected or disapproved work.
12. Safety Provisions
  - a. Subcontractor shall comply with all provisions outlined in the Safety and Health Management Program (SHMP), which includes but is not limited to, the following:
    - Submission of Corporate Safety Program
    - Submission of Site-Specific Safety & Health Plan
    - Submission of Daily Pre-Task Plans for each crew
    - Submission of Monthly Man-hour Report
      - Attendance by each employee at CM's Site-Specific Safety Orientation
    - Attendance by each employee at Weekly Site Safety Meeting
      - Performance of all Work in accordance with OSHA and the guidelines identified in the SHMP
      - Compliance with 100% continuous fall protection where exposed to fall hazards over 6'
      - All field personnel shall attend, a four-hour Injury Free Environment (IFE) training session.
      - All tradesmen must have the proper license and/or certification to operate equipment/tools required for that trade. All licenses and certifications must be included in the Subcontractors Project Specific Safety Manual.
13. Include all surveying, engineering and layout from existing benchmark's and coordinates for this scope of work. The CM will provide one north/south & east/west control point on the site along with a benchmark elevation. This subcontractor shall be fully responsible for all field engineering required to transfer to work location. Subcontractor shall take note of the requirements for As-Built Documentation; drawings shall be updated on a daily basis and turned over to the CM electronically on a monthly basis. The Subcontractor shall provide a complete for-record set of electronic as-built documents at the completion of the project, as well as one complete paper copy.
14. Subcontractor should employ the use of subcontractor provided off-site storage facilities and just-in-time. Limited access may require 2nd & 3rd shift material/equipment deliveries, to be coordinated with the CM.

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Subcontractor shall be fully responsible for all equipment required for unloading. Stored materials may only be submitted for payment when stored on site, received in a timely fashion and with prior approval of the Owner and CM. Subcontractors shall not anticipate stored material payment prior to installation. Protection of said materials utilizing shrink wrapping, visqueen, tarps, etc. is the responsibility of the subcontractor.

15. The subcontractor will staff the project with adequate manpower; supervision and equipment required to complete all activities on or before scheduled dates without the planned use of overtime. The Project Schedule is based on 5 days per week, Monday through Friday, starting at 7:00 AM; Project start time may be adjusted with Daylight Savings Time to maintain safe work conditions at the discretion of the CM. A four ten-hour day work schedule will not be allowed. Weekend and after-hours work shall be requested by the Subcontractor and approved by the CM forty-eight (48) hours in advance. The Subcontractor shall anticipate normal weather conditions (defined as weather patterns and conditions within the 5-year climatic range for the same time period as defined by NOAA for this region) and shall be responsible to maintain the project schedule at no additional cost. The First Tier Subcontractor's Superintendent shall be present onsite during any overtime or weekend work being performed by the Subcontractor or their sub-subcontractors. Multiple mobilizations may be required.
16. Subcontractors shall anticipate that limited onsite parking will be available.
17. Pre-Installation Meetings: The subcontractor shall provide their project manager and superintendent to participate in pre-installation meeting including CM, Architect, and Manufacturer Representative, to verify project requirements, substrate conditions, manufacturer's installation instructions, manufacturer's warranty requirements, architectural details and safety program, quality control and schedule, prior to starting any work onsite.
18. Subcontractor understands that weekly project meetings will be held on the job site. Subcontractor agrees to have the Project Manager and Superintendent attend all required meetings. Subcontractor will attend meeting beginning 3 weeks prior to that subcontractor's start of work on site. Subcontractor will attend additional meetings as directed by the CM. Unexcused absences will be charged to the subcontractor at the rate of \$500.00 per meeting.
19. All Subcontractors are responsible for their own continuous daily work area clean up, in addition to maintaining all stored materials in an organized well-kept manner. This cleanup must be done on a continuing basis, with debris sorted as outlined in the specifications. Each Subcontractor crew shall be equipped with broom, dust pan and trash bags to broom-sweep all areas in which they are working and shall fully remove all debris resulting from this Scope of Work from the building/site and dispose of in dumpsters on a daily basis. Hazardous materials are to be disposed of off-site by the subcontractor in accordance with all Federal, State and Local requirements. In addition, for each week that the subcontractor has any field labor active on the site, they will provide sixteen hours of an experienced laborer to participate in a composite clean-up crew, specific days and times to be determined.
20. Tobacco products will not be allowed onsite at any time. At no time will tobacco products be allowed within the building structures or within 25 feet of an entrance, intake, or other opening.
21. This Subcontractor shall provide all wash down, cleaning and touch-up painting of his Work as required for the proper completion and acceptance of the Work. Clean installed products in accordance with



## **EXHIBIT "A"**

Attachment to **Subcontract/Purchase Order No.** by and between **[insert full legal name of subcontractor/seller]** and **J.M. Thompson Company**. For **BP-02.5 Asphalt Paving / C&G, The Healing Place of New Hanover County**

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manufacturer's instructions at such time as agreed to or directed by CM. This Subcontractor will provide protection from damage to, and be responsible for his Work until acceptance by the Owner.

22. Subcontractor will be responsible for all testing as required by the specifications and shall give CM sufficient advance notice (not less than 24 hours & more if required by specifications) of when and where inspection and/or testing will be performed by Subcontractor. Subcontractor must supply verification to the CM Superintendent of all testing and/or inspections required by code or specifications from the appropriate agency acceptance. Subcontractor shall be responsible for all fees incurring from failed inspections.
23. This subcontractor will be responsible for complying with all requirements as outlined in those specifications. Provide manpower and troubleshooting/engineering as necessary to support the Commissioning Agent.
24. Subcontractor shall include in the Scope of Work multiple "Mock-ups" or "Prototypes" as required to expedite the approval of any system or product or as required by Specification. Modification or reworking of the "Mock-ups" or "Prototypes" to achieve Owner/Architect/Contractor approval is included in the Scope of Work in accordance with technical specification. Expediting of materials to complete mock-ups early in the construction sequence is included at no additional cost to Construction Manager.
25. Subcontractor will comply with all quality related requirements listed in the Contract Documents. Subcontractor shall follow the protocols and procedures listed in the Quality Control Plan for this project.
26. Upon installation of the building temporary lighting by Electrical Subcontractor, any additional task lighting beyond OSHA/SHMP required foot-candles shall be the responsibility of each Subcontractor. Immediately notify the Electrical Subcontractor and CM of any area where sufficient area/access lighting is not present; do not proceed with entering the area until the condition is corrected. Lighting required for work areas outside the building structure shall be the responsibility of each subcontractor requiring same. Electrical Subcontractor shall provide 110 V temporary power within the building structure using the 100 ft. rule of thumb. Power required outside the building structure shall be the responsibility of subcontractor requiring same.
27. Temporary water will be available at one location on the site; distribution shall be the responsibility of the subcontractor. Hoses shall be routed and maintained to avoid leakage.
28. Builder's Risk Insurance is provided by the CM, any subcontractor incurring a loss with an approved claim shall be responsible for any deductible amounts not covered. Deductible amounts range from ten to twenty-five thousand dollars per claim depending on the nature of the event.
29. Provide all access doors required to access items through hard ceilings and walls, including duct mounted smoke detectors. Provide fire rated access doors where applicable. Access doors to be indicated on coordination drawings. All drywall and ceiling access doors required for complete access as required under this scope are furnished by this Trade Contractor. Installation by others. Access doors shown on Architectural drawings are furnished and installed by others. Refer to architectural specifications for access door types and manufacturers.

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30. All cutting, burning, welding and grinding operations shall employ a fire watch, equipped with a fire extinguisher, as outlined in the SHMP. This individual shall be properly equipped and trained. This individual(s) shall be other than the designated site safety supervisor.
31. This subcontractor shall include all required design, professional liability insurance, and engineered drawings, by a professional engineer licensed in the state of North Carolina, per the performance requirements, for systems requiring design.

### **1.2 TRADE SPECIFIC SCOPE OF WORK ITEMS (Included but not limited to the following):**

1. This Bid Package is intended to include all labor, materials, supervision, equipment, mobilizations, taxes, and safety measures needed to complete the concrete curbing and asphalt paving scope per plans and specifications and as defined herein. Furnish and install concrete curb & gutter and asphalt paving and stone base per Specification 321216 Asphalt Paving, 321313 Portland Cement Concrete Paving and as shown on plans. Provide fine grading, proof roll of subgrades, proof roll of stone base, stone base for asphalt paving and under curb & gutter as required. Provide curb & gutter, expansion joints, caulking between C&G and sidewalks and incidentals for a turnkey installation. Provide curb ramps, detectable warning and concrete pedestrian refuge at Medical Center Drive. This subcontractor to provide turnkey pervious pavers and all C&G as shown on Site 604. Pervious paver installer to provide 6"x12" concrete transition strip. Provide asphalt paving as specified and in required lifts. Provide all pavement markings including thermoplast and signage including stop bars, cross bars, cross walks, handicap symbols, parking spaces at permeable pavers. Signage to include types R7&8 and penalty, stop signs and bicycle parking. Provide all traffic control for this bid package per current MUTCD guidelines.
2. Subcontractor is responsible for compliance to all requirements of local authority(s) having jurisdiction on all installations under this agreement.
3. Subcontractor has reviewed the Drawings & Specification for this Project. Subcontractor has found no obvious omissions and further agrees that the Work of this Agreement and the Project can be constructed within the milestone and completion dates without claims for delay or impact costs, unless substantial Owner directed Scope changes occur.
4. This Subcontractor shall obtain permits and coordinate inspections with City, County, State, third party inspector and Construction Manager. Any required re-inspection fees / costs are responsibility of Subcontractor.
5. Final clean all concrete and paving prior to turnover. Remove all trash and debris and broom clean all surfaces. Power wash any stained or discolored areas. Clean, and repair if necessary, all equipment fluid drips, fuel leaks and overspray. Subcontractor is to remove all excess spoils and legally dispose of offsite unless otherwise noted.
6. Subcontractor is responsible for protecting their work at all times, including rain events. Subcontractor to protect all adjacent work and coordinate with other subcontractors.
7. Binder course and surface course to be installed at separate times.

## **EXHIBIT “A”**

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8. This subcontractor shall be responsible for all required surveying needed for Work to include benchmarks, curb layout, As-built drawings, and etc.
9. Provide unit prices and allowances as specified in Bid Documents.
10. Included in the base bid is removal and replacement of 100 cy of unsuitable soil, disposal off-site, and replacement with on-site soil.
11. Included in the base bid is removal and replacement of 100 cy of unsuitable soil, disposal off-site, and replacement with off-site borrow.
12. Included in the base bid is removal and replacement of 100 cy of unsuitable soils, off-site disposal, and replacement with ABC compacted stone.

### **2. Alternates/Allowances**

The following are included in the Subcontract Amount/Purchase Order Amount and are included in Exhibit “X”

#### 2.1. Alternates

#### 2.2. Unit Prices

Removal and replacement of unsuitable soils, off-site disposal,  
and replacement with on-site soil \_\_\_\_\_ (\$/cy)

Removal and replacement of unsuitable soils, off-site disposal,  
and replacement with off-site borrow. \_\_\_\_\_ (\$/cy)

Removal and replacement of unsuitable soils, off-site disposal,  
and replacement with ABC compacted stone. \_\_\_\_\_ (\$/cy)

Hourly rate for survey crew. \_\_\_\_\_ (\$/Hr)



## BID FORM

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Proposal Submitted for:

**Bid Package:** BP 02.5      **Description:** Asphalt Paving and Curb & Gutter

**Project:**

The Healing Place of New Hanover County  
1000 Medical Center Dr.  
Wilmington, NC 28401

**Construction Manager:**

JM Thompson Company  
1002 East Chatham St.  
Cary, North Carolina 27511

**Proposals to be delivered to:** JM Thompson Company @ 1002 E. Chatham St. Cary, NC 27511

**No later than 12:00PM - December 10, 2020**

*\*Proposals from prequalified bidders only may be hand delivered or submitted USPS, UPS, Courier, Fed Ex or other means requiring a signature. Proposals received after 12:00 PM December 10, 2020 will be considered nonresponsive and will not be opened or considered for the project. JM Thompson is NOT RESPONSIBLE for bid's delivered late.*

**Proposal submitted by:**

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(Company name)

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(Company Address)

(City) (State)

(Zip code)

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(Telephone Number)

---

(Contact name)

License #:

(\*Where applicable)

Addenda Acknowledged:

Addenda #1 \_\_\_\_\_ Addenda #2 \_\_\_\_\_ Addenda #3 \_\_\_\_\_ Addenda #4 \_\_\_\_\_

**Note: All portions of this Bid Form must be completed and the Bid Form must be signed before the Bid is submitted. Failure to do so will result in the Bid being rejected as non-responsive.**

Proposal form for The Healing Place of New Hanover County, CM @ Risk Project

Bidder, represents that a) it, and all Subcontractors, regardless of tier, have the appropriate current and active Contractor's license required by the State of North Carolina and the Bidding Documents; b) it has carefully read and examined the Bidding Documents for the proposed Work on this Project; c) it has examined the site of the proposed Work and all Information Available to Bidders; d) it has become familiar with all the conditions related to the proposed Work, including the availability of labor, materials, and equipment. Bidder hereby offers to furnish all labor, materials, equipment, tools, transportation, and services necessary to complete the proposed Work on this Project in accordance with the Contract Documents for the sums quoted; e) Bidder and all Subcontractors, regardless of tier, are currently registered and /or licensed as required by appropriate municipalities. Bidder represents that the Key Personnel identified in its Prequalification submittal shall be the Bidder's personnel provided pursuant to the corresponding provisions of the contract, if the contract is awarded to the Bidder. Bidder further agrees that it will not withdraw its Bid within 90 days after the Bid Deadline, and that, if it is selected as the apparent lowest responsive and responsible Bidder, that it will, within 10 days after receipt of notice of selection, sign and deliver to JM Thompson Company the Agreement in triplicate and furnish JM Thompson all items required by the Bidding Documents. If awarded the Contract, Bidder agrees to complete the proposed Work per the schedule provided within the bidding documents.

**BASE BID: The base bid includes all work required by and in strict accordance with the bid documents for this project, for the lump sum of:**

Enter total lump sum base bid in U.S. Currency: \$\_\_\_\_\_

Written form: \_\_\_\_\_Dollars

**UNIT PRICES:**

It is the responsibility of the subcontractor to estimate required quantities for the base bid, based on the bid documents and a site visit, and include said quantities in their proposal. The unit prices below will be utilized to address quantities outside of the scope of work as detail in the bid documents. Unit Prices must only be provided if your bid package is noted as applicable to that Unit Price line item.

Unit prices quoted and accepted shall apply throughout the life of the contract, except 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 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**

**Removal and replacement of unsuitable soils, off-site disposal, and replacement with on-site soil**  
\_\_\_\_\_ (\$/CY)

**UP #2**

**Removal and replacement of unsuitable soils, off-site disposal, and replacement with off-site borrow**  
\_\_\_\_\_ (\$/CY)

**UP #3**

**Removal and replacement of unsuitable soils, off-site disposal, and replacement with ABC Compacted Stone**  
\_\_\_\_\_ (\$/CY)

**UP #4**

**Hourly Rate for survey crew**  
\_\_\_\_\_ (\$/Hr)



Proposal form for The Healing Place of New Hanover County, CM @ Risk Project

**Contractor MUST acknowledge by checking each of the boxes below to confirm they have reviewed and included the considerations for each without alteration:**

- ☐ Specifications & Drawings issued By Withers Ravenel design team
- ☐ Bid package(s) scope(s) of work
- ☐ Project Schedule
- ☐ Sub-contractor agreement
- ☐ Bid Bond (for bids over \$250,000)
- ☐ Payment & Performance Bond (for bids over \$250,000)
- ☐ Certificate(s) of Insurance
- ☐ HUB/MBE Participation & Solicitation documentation
- ☐ Safety Guidelines & plan review

**The Bidder is an:**

- ☐ Individual
- ☐ Partnership
- ☐ Corporation in the State of \_\_\_\_\_
- ☐ Other: \_\_\_\_\_

**Bidder Information:**

Bid Package Submitted: \_\_\_\_\_  
(Bid package #)

Company Name: \_\_\_\_\_  
(Legal Company name)

Signature: \_\_\_\_\_  
(Owner/Managing Partner/President/Vice President)

Name & Title: \_\_\_\_\_  
(Owner/Managing Partner/President/Vice President)

Federal ID number: \_\_\_\_\_

Attest:

By: \_\_\_\_\_

Title: \_\_\_\_\_

## **EXHIBIT “A”**

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### **SCOPE OF WORK/SUPPLY AND CLARIFICATIONS/QUALIFICATIONS**

#### **1. Scope of Work/Supply**

The Scope of Work/Supply is identified in the following Specification Section(s) and further described below:

<u><b>Specification Section</b></u>	<u><b>Description</b></u>
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329300	Landscaping

<u><b>Related Section</b></u>	<u><b>Description</b></u>
Division 0	Project Information
Division 1	General Requirements
All other divisions	

**The Contract Documents indicate the general Scope of the Project in terms of the design concept, the dimensions/types/locations of structures, utility and other systems and the outline of major elements of construction. The Contract Documents may not be complete and may not necessarily indicate or describe in complete detail all work required for the full performance and completion of Trade Contractor’s Work. Trade Contractor understands and agrees that they are to furnish all items required for a complete and functioning system; all work shall comply with applicable code requirements and the intent of the Architect/Engineer.**

#### **1.1 GENERAL PROVISIONS – All Trade Contractors**

1. The Contract Documents, applicable codes, state and local authorities. The work on this project may involve working in or adjacent to a roadway. Specific requirements relating to eVerifi, flagman, employee training and documentation apply, subcontractors shall note these requirements in the contract documents when preparing their bids.
2. Subcontractors shall provide a directly-employed, dedicated full time Superintendent to the project at all times that work or deliveries are being performed by the subcontractor or its sub-subcontractors, or as required for the proper coordination between trades. This individual must be fully trained in all aspects of Environmental Health & Safety and possess the required certifications as required by the Safety and Health Management Program. The Superintendent shall not be replaced or removed by the Subcontractor without the written consent of the CM. However, the CM at their discretion may direct Subcontractor to replace the



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Superintendent with a mutually acceptable replacement. The superintendent must be English-speaking, and must have access to a mobile phone a direct company email.

3. Subcontractor shall inspect and verify, at least two (2) weeks prior to the start of their Work that all requirements for installation are complete and acceptable as required for installation to begin. This verification shall be submitted to the Construction Manager in writing. The site review shall include, but not be limited to a detailed review of all work in place furnished & installed by others. Items that do not meet the installation requirements must be identified accordingly.
4. Within (14) days of Notice of Award of the Subcontract, Subcontractor shall submit a detailed schedule for the entire scope of the subcontract, including a detailed schedule of values broken down into labor and material costs for each portion of the work, shop drawings, submittals, production schedule, delivery, and installation that will meet the milestone dates identified in the Construction Schedule (Exhibit D). This schedule is to be updated and submitted to the Construction Manager bi-weekly throughout the performance of this Scope. Submission of Schedule Updates and Recovery Plans (if required) shall be a prerequisite to the acceptance and processing of Subcontractor's Monthly Application for Payment.
5. Install sleeves and/or blockouts pertaining to your scope of work. Maintain sleeve and blockout opening protection. If Core drilling or saw cutting is necessary, submit a request to the engineer of record for approval prior to proceeding. Provide tradesman on standby for duration of all concrete pours to insure integrity of blockout, sleeve or embedded item is maintained. CM will provide only those openings indicated on the structural drawings. Seal and firesafe all penetrations in accordance with the contract documents and local code requirements. Firesafing shall be installed by a trade contractor regularly engaged in that business and not self-performed by the subcontractor's own forces.
6. The maintenance period initiates at the completion of final inspections, and an effective warranty date will be issued by the CM, not from date of installation. Subcontractors shall take note of extended warranty requirements outlined in the specifications. For warranties that extend beyond the normal period, a separate warranty may be required to be written directly between the Owner and subcontractor.
7. Subcontractor shall be totally responsible for the delivery, receiving, unloading, storing, handling, protecting, hoisting, distributing, delegated engineering, layout and installation of all materials installed under this scope. Material deliveries to the jobsite shall be coordinated and approved by the CM's project superintendent. Materials shall be delivered to the jobsite, tagged/labeled in an orderly manner, protected from exposure, and free of damage. In general, materials shall be ordered and shipped for "just-in-time" delivery to avoid congestion and damage from excessive storage of materials onsite. Subcontractor shall provide trained, competent flagmen for hoisting, moving and unloading of material.
8. Subcontractor shall be responsible for taking all field measurements that are necessary to insure the proper installation of Subcontractor's work in coordination with the work of other trades. Field measurements shall be taken and coordinated in a timely manner in order to avoid delaying the project.
9. Subcontractor shall include all dewatering necessary for the performance of their work, such that should standing water be encountered in an area of work, Subcontractor shall employ the means necessary for removal.

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10. Subcontractor shall include all submittals, shop drawings, as-built drawings, O&M manuals, extra materials, and Owner training as specified. Subcontractor shall complete all submittals within thirty (30) days of the date of award of the subcontract. Subcontractor will be required to utilize the Project Team Procore platform. All submittals will be processed in an electronic format, as well as document control, field activity tracking, reports, punch listing and commissioning. Subcontractor shall provide the necessary equipment, personnel and training to support these functions on site. Any deviations, changes, and/or discrepancies differentiating the shop drawings from the Contract Documents shall be clouded and clearly marked requesting the Architect's/Engineer's review and approval. It is understood that the Subcontractor shall furnish all product submittals per the Contract Documents. Substitution requests must be submitted prior to receipt of bids as outlined in the Instruction to Bidders. Substitution requests received after the deadline will not be entertained. Provide 2 sets of physical samples to be submitted to the Construction Manager.
11. Subcontractor shall cooperate fully with building inspection officials, third-party inspectors, and designer's designated representatives for review and inspection of the work of this Subcontract. Subcontractor shall provide access to any and all areas for required testing, including providing scaffolding, safety equipment, lifts, etc as required. Subcontractor shall promptly remedy all rejected or disapproved work.
12. Safety Provisions
  - a. Subcontractor shall comply with all provisions outlined in the Safety and Health Management Program (SHMP), which includes but is not limited to, the following:
    - Submission of Corporate Safety Program
    - Submission of Site-Specific Safety & Health Plan
    - Submission of Daily Pre-Task Plans for each crew
    - Submission of Monthly Man-hour Report
      - Attendance by each employee at CM's Site-Specific Safety Orientation
    - Attendance by each employee at Weekly Site Safety Meeting
      - Performance of all Work in accordance with OSHA and the guidelines identified in the SHMP
      - Compliance with 100% continuous fall protection where exposed to fall hazards over 6'
      - All field personnel shall attend, a four-hour Injury Free Environment (IFE) training session.
      - All tradesmen must have the proper license and/or certification to operate equipment/tools required for that trade. All licenses and certifications must be included in the Subcontractors Project Specific Safety Manual.
13. Include all surveying, engineering and layout from existing benchmark's and coordinates for this scope of work. The CM will provide one north/south & east/west control point on the site along with a benchmark elevation. This subcontractor shall be fully responsible for all field engineering required to transfer to work location. Subcontractor shall take note of the requirements for As-Built Documentation; drawings shall be updated on a daily basis and turned over to the CM electronically on a monthly basis. The Subcontractor shall provide a complete for-record set of electronic as-built documents at the completion of the project, as well as one complete paper copy.
14. Subcontractor should employ the use of subcontractor provided off-site storage facilities and just-in-time. Limited access may require 2nd & 3rd shift material/equipment deliveries, to be coordinated with the CM.

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Subcontractor shall be fully responsible for all equipment required for unloading. Stored materials may only be submitted for payment when stored on site, received in a timely fashion and with prior approval of the Owner and CM. Subcontractors shall not anticipate stored material payment prior to installation. Protection of said materials utilizing shrink wrapping, visqueen, tarps, etc. is the responsibility of the subcontractor.

15. The subcontractor will staff the project with adequate manpower; supervision and equipment required to complete all activities on or before scheduled dates without the planned use of overtime. The Project Schedule is based on 5 days per week, Monday through Friday, starting at 7:00 AM; Project start time may be adjusted with Daylight Savings Time to maintain safe work conditions at the discretion of the CM. A four ten-hour day work schedule will not be allowed. Weekend and after-hours work shall be requested by the Subcontractor and approved by the CM forty-eight (48) hours in advance. The Subcontractor shall anticipate normal weather conditions (defined as weather patterns and conditions within the 5-year climatic range for the same time period as defined by NOAA for this region) and shall be responsible to maintain the project schedule at no additional cost. The First Tier Subcontractor's Superintendent shall be present onsite during any overtime or weekend work being performed by the Subcontractor or their sub-subcontractors. Multiple mobilizations may be required.
16. Subcontractors shall anticipate that limited onsite parking will be available.
17. Pre-Installation Meetings: The subcontractor shall provide their project manager and superintendent to participate in pre-installation meeting including CM, Architect, and Manufacturer Representative, to verify project requirements, substrate conditions, manufacturer's installation instructions, manufacturer's warranty requirements, architectural details and safety program, quality control and schedule, prior to starting any work onsite.
18. Subcontractor understands that weekly project meetings will be held on the job site. Subcontractor agrees to have the Project Manager and Superintendent attend all required meetings. Subcontractor will attend meeting beginning 3 weeks prior to that subcontractor's start of work on site. Subcontractor will attend additional meetings as directed by the CM. Unexcused absences will be charged to the subcontractor at the rate of \$500.00 per meeting.
19. All Subcontractors are responsible for their own continuous daily work area clean up, in addition to maintaining all stored materials in an organized well-kept manner. This cleanup must be done on a continuing basis, with debris sorted as outlined in the specifications. Each Subcontractor crew shall be equipped with broom, dust pan and trash bags to broom-sweep all areas in which they are working and shall fully remove all debris resulting from this Scope of Work from the building/site and dispose of in dumpsters on a daily basis. Hazardous materials are to be disposed of off-site by the subcontractor in accordance with all Federal, State and Local requirements. In addition, for each week that the subcontractor has any field labor active on the site, they will provide sixteen hours of an experienced laborer to participate in a composite clean-up crew, specific days and times to be determined.
20. Tobacco products will not be allowed onsite at any time. At no time will tobacco products be allowed within the building structures or within 25 feet of an entrance, intake, or other opening.
21. This Subcontractor shall provide all wash down, cleaning and touch-up painting of his Work as required for the proper completion and acceptance of the Work. Clean installed products in accordance with

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manufacturer's instructions at such time as agreed to or directed by CM. This Subcontractor will provide protection from damage to, and be responsible for his Work until acceptance by the Owner.

22. Subcontractor will be responsible for all testing as required by the specifications and shall give CM sufficient advance notice (not less than 24 hours & more if required by specifications) of when and where inspection and/or testing will be performed by Subcontractor. Subcontractor must supply verification to the CM Superintendent of all testing and/or inspections required by code or specifications from the appropriate agency acceptance. Subcontractor shall be responsible for all fees incurring from failed inspections.
23. This subcontractor will be responsible for complying with all requirements as outlined in those specifications. Provide manpower and troubleshooting/engineering as necessary to support the Commissioning Agent.
24. Subcontractor shall include in the Scope of Work multiple “Mock-ups” or “Prototypes” as required to expedite the approval of any system or product or as required by Specification. Modification or reworking of the “Mock-ups” or “Prototypes” to achieve Owner/Architect/Contractor approval is included in the Scope of Work in accordance with technical specification. Expediting of materials to complete mock-ups early in the construction sequence is included at no additional cost to Construction Manager.
25. Subcontractor will comply with all quality related requirements listed in the Contract Documents. Subcontractor shall follow the protocols and procedures listed in the Quality Control Plan for this project.
26. Upon installation of the building temporary lighting by Electrical Subcontractor, any additional task lighting beyond OSHA/SHMP required foot-candles shall be the responsibility of each Subcontractor. Immediately notify the Electrical Subcontractor and CM of any area where sufficient area/access lighting is not present; do not proceed with entering the area until the condition is corrected. Lighting required for work areas outside the building structure shall be the responsibility of each subcontractor requiring same. Electrical Subcontractor shall provide 110 V temporary power within the building structure using the 100 ft. rule of thumb. Power required outside the building structure shall be the responsibility of subcontractor requiring same.
27. Temporary water will be available at one location on the site; distribution shall be the responsibility of the subcontractor. Hoses shall be routed and maintained to avoid leakage.
28. Builder's Risk Insurance is provided by the CM, any subcontractor incurring a loss with an approved claim shall be responsible for any deductible amounts not covered. Deductible amounts range from ten to twenty-five thousand dollars per claim depending on the nature of the event.
29. Provide all access doors required to access items through hard ceilings and walls, including duct mounted smoke detectors. Provide fire rated access doors where applicable. Access doors to be indicated on coordination drawings. All drywall and ceiling access doors required for complete access as required under this scope are furnished by this Trade Contractor. Installation by others. Access doors shown on Architectural drawings are furnished and installed by others. Refer to architectural specifications for access door types and manufacturers.

## **EXHIBIT “A”**

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30. All cutting, burning, welding and grinding operations shall employ a fire watch, equipped with a fire extinguisher, as outlined in the SHMP. This individual shall be properly equipped and trained. This individual(s) shall be other than the designated site safety supervisor.
31. This subcontractor shall include all required design, professional liability insurance, and engineered drawings, by a professional engineer licensed in the state of North Carolina, per the performance requirements, for systems requiring design.

### **1.2 TRADE SPECIFIC SCOPE OF WORK ITEMS (Including but not limited to the following)**

1. Topsoil to be stored at various locations on site by Grading Contractor. Landscaper to prepare subgrade and fine grade and place topsoil. Provide soil amendments at all seeded and sod areas as required. Provide all ground preparation and soil amendments per approved soil amendment schedule. Fine grade and prepare all areas receiving permanent seeding or sod
2. This Subcontractor is to provide all excavation including offsite disposal of spoils required for this work.
3. Provide all specified temporary seeding, and sodding, Inorganic/Organic Soil Amendments, fertilizers mulches, plants etc.
4. Provide Specified watering and maintenance
5. Provide all specified plants, planting soils, mulches and grasses.
6. Provide specified warranty and associate services. Provide specified maintenance service.
7. Subcontractor is responsible for protecting the storm drain inlets, valve covers, cleanouts, curb and gutter, walks, paving, etc. during performance of this work. Final cleaning of these items if soiled by this work is included.
8. This Subcontractor acknowledges that the Project will require coordination with all other work during this phase in accordance with the Project Schedule and that there is no limitation to the mobilizations which will be required to complete this scope of work.
9. Subcontractor is responsible for notifying Construction Manager, Owner, Architect, and governing agencies of all inspection requests. Subcontractor is responsible to coordinate work under this agreement with all other bid package contractors since existing and/or future utilities exists onsite.
10. Subcontractor shall verify locations of all existing Utilities within the Construction Areas prior to commencing Work. Any damage to existing in-service Utilities during Construction will be repaired at the expense of the Subcontractor that caused the damage. Subcontractor is responsible for notifying the Construction Manager, Owner, Architect, and governing agencies of all tie-ins and shut downs of existing utility systems, inspection requests, and existing utility locates.

## **EXHIBIT “A”**

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11. Subcontractor is responsible for compliance to all requirements of local authority(s) having jurisdiction on all installations under this agreement.
12. This Subcontractor shall obtain and pay for any additional permits, bonds, or fees as required to complete scope of work under this agreement including any required re-inspection fees / costs are responsibility of Subcontractor.
13. Subcontractor is responsible for providing all required temporary and permanent access requirements for construction operations at all times as this requirement is related to this scope of work.
14. This Subcontractor will provide all dewatering labor, materials and equipment required to perform all work in this bid package.
15. Subcontractor is responsible for the dressing up trees and the areas around trees that remained in place throughout construction.
16. The maintenance period initiates at the completion of final inspections, and an effective warranty date will be issued by the CM, not from date of installation.
17. Included in the base bid is provision and installation of 5,000 sy of TifTuf Bermuda SOD.
18. Included in the base bid is allowance of \$50,000 for design and complete installation of irrigation system.

### **2. Alternates/Allowances**

The following are included in the Subcontract Amount/Purchase Order Amount and are included in Exhibit “X”

#### 2.1. Alternates

#### 2.2. Unit Prices

Furnish and install Bermuda SOD \_\_\_\_\_ (\$/sy)



## BID FORM

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Proposal Submitted for:

**Bid Package: BP 02.8      Description:      Landscaping & Pavers**

**Project:**

The Healing Place of New Hanover County  
1000 Medical Center Dr.  
Wilmington, NC 28401

**Construction Manager:**

JM Thompson Company  
1002 East Chatham St.  
Cary, North Carolina 27511

**Proposals to be delivered to: JM Thompson Company @ 1002 E. Chatham St. Cary, NC 27511**

**No later than 12:00PM - December 10, 2020**

*\*Proposals from prequalified bidders only may be hand delivered or submitted USPS, UPS, Courier, Fed Ex or other means requiring a signature. Proposals received after 12:00 PM December 10, 2020 will be considered nonresponsive and will not be opened or considered for the project. JM Thompson is NOT RESPONSIBLE for bid's delivered late.*

**Proposal submitted by:**

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**(Company name)**

---

**(Company Address)**

**(City) (State)**

**(Zip code)**

---

**(Telephone Number)**

---

**(Contact name)**

**License #:** \_\_\_\_\_

*(\*Where applicable)*

Addenda Acknowledged:

Addenda #1 \_\_\_\_\_ Addenda #2 \_\_\_\_\_ Addenda #3 \_\_\_\_\_ Addenda #4 \_\_\_\_\_

**Note: All portions of this Bid Form must be completed and the Bid Form must be signed before the Bid is submitted. Failure to do so will result in the Bid being rejected as non-responsive.**

Proposal form for The Healing Place of New Hanover County, CM @ Risk Project

Bidder, represents that a) it, and all Subcontractors, regardless of tier, have the appropriate current and active Contractor's license required by the State of North Carolina and the Bidding Documents; b) it has carefully read and examined the Bidding Documents for the proposed Work on this Project; c) it has examined the site of the proposed Work and all Information Available to Bidders; d) it has become familiar with all the conditions related to the proposed Work, including the availability of labor, materials, and equipment. Bidder hereby offers to furnish all labor, materials, equipment, tools, transportation, and services necessary to complete the proposed Work on this Project in accordance with the Contract Documents for the sums quoted; e) Bidder and all Subcontractors, regardless of tier, are currently registered and /or licensed as required by appropriate municipalities. Bidder represents that the Key Personnel identified in its Prequalification submittal shall be the Bidder's personnel provided pursuant to the corresponding provisions of the contract, if the contract is awarded to the Bidder. Bidder further agrees that it will not withdraw its Bid within 90 days after the Bid Deadline, and that, if it is selected as the apparent lowest responsive and responsible Bidder, that it will, within 10 days after receipt of notice of selection, sign and deliver to JM Thompson Company the Agreement in triplicate and furnish JM Thompson all items required by the Bidding Documents. If awarded the Contract, Bidder agrees to complete the proposed Work per the schedule provided within the bidding documents.

**BASE BID: The base bid includes all work required by and in strict accordance with the bid documents for this project, for the lump sum of:**

Enter total lump sum base bid in U.S. Currency: \$\_\_\_\_\_

Written form: \_\_\_\_\_Dollars



**UNIT PRICES:**

It is the responsibility of the subcontractor to estimate required quantities for the base bid, based on the bid documents and a site visit, and include said quantities in their proposal. The unit prices below will be utilized to address quantities outside of the scope of work as detail in the bid documents. Unit Prices must only be provided if your bid package is noted as applicable to that Unit Price line item.

Unit prices quoted and accepted shall apply throughout the life of the contract, except 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 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:**

**Furnish and install Bermuda SOD**

\$\_\_\_\_\_ Per Square Yard



Proposal form for The Healing Place of New Hanover County, CM @ Risk Project

**Contractor MUST acknowledge by checking each of the boxes below to confirm they have reviewed and included the considerations for each without alteration:**

- ☐ Specifications & Drawings issued By Withers Ravenel design team
- ☐ Bid package(s) scope(s) of work
- ☐ Project Schedule
- ☐ Sub-contractor agreement
- ☐ Bid Bond (for bids over \$250,000)
- ☐ Payment & Performance Bond (for bids over \$250,000)
- ☐ Certificate(s) of Insurance
- ☐ HUB/MBE Participation & Solicitation documentation
- ☐ Safety Guidelines & plan review

**The Bidder is an:**

- ☐ Individual
- ☐ Partnership
- ☐ Corporation in the State of \_\_\_\_\_
- ☐ Other: \_\_\_\_\_

**Bidder Information:**

Bid Package Submitted: \_\_\_\_\_  
(Bid package #)

Company Name: \_\_\_\_\_  
(Legal Company name)

Signature: \_\_\_\_\_  
(Owner/Managing Partner/President/Vice President)

Name & Title: \_\_\_\_\_  
(Owner/Managing Partner/President/Vice President)

Federal ID number: \_\_\_\_\_

Attest:

By: \_\_\_\_\_

Title: \_\_\_\_\_

## **EXHIBIT “A”**

Attachment to **Subcontract/Purchase Order No.** by and between **[insert full legal name of subcontractor/seller]** and **J.M. Thompson Company**. For **BP-08.1 Glass & Glazing, The Healing Place of New Hanover County**

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### **SCOPE OF WORK/SUPPLY AND CLARIFICATIONS/QUALIFICATIONS**

#### **1. Scope of Work/Supply**

The Scope of Work/Supply is identified in the following Specification Section(s) and further described below:

<u><b>Specification Section</b></u>	<u><b>Description</b></u>
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084113	Aluminum-Framed Entrances and Storefronts
088000	Glazing
088300	Mirrors

<u><b>Related Section</b></u>	<u><b>Description</b></u>
Division 0	Project Information
Division 1	General Requirements
Division 8	Door Hardware
All other divisions	

**The Contract Documents indicate the general Scope of the Project in terms of the design concept, the dimensions/types/locations of structures, utility and other systems and the outline of major elements of construction. The Contract Documents may not be complete and may not necessarily indicate or describe in complete detail all work required for the full performance and completion of Trade Contractor's Work. Trade Contractor understands and agrees that they are to furnish all items required for a complete and functioning system; all work shall comply with applicable code requirements and the intent of the Architect/Engineer.**

#### **1.1 GENERAL PROVISIONS – All Trade Contractors**

1. Subcontractor shall include licenses, inspections, training, tests, certifications, and warranties as required by the Contract Documents, applicable codes, state and local authorities. The work on this project may involve working in or adjacent to a roadway. Specific requirements relating to eVerifi, flagman, employee training and documentation apply, subcontractors shall note these requirements in the contract documents when preparing their bids.
2. Subcontractors shall provide a directly-employed, dedicated full time Superintendent to the project at all times that work or deliveries are being performed by the subcontractor or its sub-subcontractors, or as required for the proper coordination between trades. This individual must be fully trained in all aspects of Environmental Health & Safety and possess the required certifications as required by the Safety and Health Management Program. The Superintendent shall not be replaced or removed by the Subcontractor without the written

## **EXHIBIT “A”**

Attachment to **Subcontract/Purchase Order No.** by and between **[insert full legal name of subcontractor/seller]** and **J.M. Thompson Company**. For **BP-08.1 Glass & Glazing, The Healing Place of New Hanover County**

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consent of the CM. However, the CM at their discretion may direct Subcontractor to replace the Superintendent with a mutually acceptable replacement. The superintendent must be English-speaking, and must have access to a mobile phone a direct company email.

3. Subcontractor shall inspect and verify, at least two (2) weeks prior to the start of their Work that all requirements for installation are complete and acceptable as required for installation to begin. This verification shall be submitted to the Construction Manager in writing. The site review shall include, but not be limited to a detailed review of all work in place furnished & installed by others. Items that do not meet the installation requirements must be identified accordingly.
4. Within (14) days of Notice of Award of the Subcontract, Subcontractor shall submit a detailed schedule for the entire scope of the subcontract, including a detailed schedule of values broken down into labor and material costs for each portion of the work, shop drawings, submittals, production schedule, delivery, and installation that will meet the milestone dates identified in the Construction Schedule (Exhibit D). This schedule is to be updated and submitted to the Construction Manager bi-weekly throughout the performance of this Scope. Submission of Schedule Updates and Recovery Plans (if required) shall be a prerequisite to the acceptance and processing of Subcontractor's Monthly Application for Payment.
5. Install sleeves and/or blockouts pertaining to your scope of work. Maintain sleeve and blockout opening protection. If Core drilling or saw cutting is necessary, submit a request to the engineer of record for approval prior to proceeding. Provide tradesman on standby for duration of all concrete pours to insure integrity of blockout, sleeve or embedded item is maintained. CM will provide only those openings indicated on the structural drawings. Seal and firesafe all penetrations in accordance with the contract documents and local code requirements. Firesafing shall be installed by a trade contractor regularly engaged in that business and not self-performed by the subcontractor's own forces.
6. The maintenance period initiates at the completion of final inspections, and an effective warranty date will be issued by the CM, not from date of installation Subcontractors shall take note of extended warranty requirements outlined in the specifications. For warranties that extend beyond the normal period, a separate warranty may be required to be written directly between the Owner and subcontractor.
7. Subcontractor shall be totally responsible for the delivery, receiving, unloading, storing, handling, protecting, hoisting, distributing, delegated engineering, layout and installation of all materials installed under this scope. Material deliveries to the jobsite shall be coordinated and approved by the CM's project superintendent. Materials shall be delivered to the jobsite, tagged/labeled in an orderly manner, protected from exposure, and free of damage. In general, materials shall be ordered and shipped for "just-in-time" delivery to avoid congestion and damage from excessive storage of materials onsite. Subcontractor shall provide trained, competent flagmen for hoisting, moving and unloading of material.
8. Subcontractor shall be responsible for taking all field measurements that are necessary to insure the proper installation of Subcontractor's work in coordination with the work of other trades. Field measurements shall be taken and coordinated in a timely manner in order to avoid delaying the project.
9. Subcontractor shall include all dewatering necessary for the performance of their work, such that should standing water be encountered in an area of work, Subcontractor shall employ the means necessary for removal.

## **EXHIBIT “A”**

Attachment to **Subcontract/Purchase Order No.** by and between **[insert full legal name of subcontractor/seller]** and **J.M. Thompson Company**. For **BP-08.1 Glass & Glazing, The Healing Place of New Hanover County**

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10. Subcontractor shall include all submittals, shop drawings, as-built drawings, O&M manuals, extra materials, and Owner training as specified. Subcontractor shall complete all submittals within thirty (30) days of the date of award of the subcontract. Subcontractor will be required to utilize the Project Team Procore platform. All submittals will be processed in an electronic format, as well as document control, field activity tracking, reports, punch listing and commissioning. Subcontractor shall provide the necessary equipment, personnel and training to support these functions on site. Any deviations, changes, and/or discrepancies differentiating the shop drawings from the Contract Documents shall be clouded and clearly marked requesting the Architect's/Engineer's review and approval. It is understood that the Subcontractor shall furnish all product submittals per the Contract Documents. Substitution requests must be submitted prior to receipt of bids as outlined in the Instruction to Bidders. Substitution requests received after the deadline will not be entertained. Provide 2 sets of physical samples to be submitted to the Construction Manager.
11. Subcontractor shall cooperate fully with building inspection officials, third-party inspectors, and designer's designated representatives for review and inspection of the work of this Subcontract. Subcontractor shall provide access to any and all areas for required testing, including providing scaffolding, safety equipment, lifts, etc as required. Subcontractor shall promptly remedy all rejected or disapproved work.
12. Safety Provisions
  - a. Subcontractor shall comply with all provisions outlined in the Safety and Health Management Program (SHMP), which includes but is not limited to, the following:
    - Submission of Corporate Safety Program
    - Submission of Site-Specific Safety & Health Plan
    - Submission of Daily Pre-Task Plans for each crew
    - Submission of Monthly Man-hour Report
      - Attendance by each employee at CM's Site-Specific Safety Orientation
    - Attendance by each employee at Weekly Site Safety Meeting
      - Performance of all Work in accordance with OSHA and the guidelines identified in the SHMP
      - Compliance with 100% continuous fall protection where exposed to fall hazards over 6'
      - All field personnel shall attend, a four-hour Injury Free Environment (IFE) training session.
      - All tradesmen must have the proper license and/or certification to operate equipment/tools required for that trade. All licenses and certifications must be included in the Subcontractors Project Specific Safety Manual.
13. Include all surveying, engineering and layout from existing benchmark's and coordinates for this scope of work. The CM will provide one north/south & east/west control point on the site along with a benchmark elevation. This subcontractor shall be fully responsible for all field engineering required to transfer to work location. Subcontractor shall take note of the requirements for As-Built Documentation; drawings shall be updated on a daily basis and turned over to the CM electronically on a monthly basis. The Subcontractor shall provide a complete for-record set of electronic as-built documents at the completion of the project, as well as one complete paper copy.

## **EXHIBIT “A”**

Attachment to **Subcontract/Purchase Order No.** by and between **[insert full legal name of subcontractor/seller]** and **J.M. Thompson Company**. For **BP-08.1 Glass & Glazing, The Healing Place of New Hanover County**

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14. Subcontractor should employ the use of subcontractor provided off-site storage facilities and just-in-time. Limited access may require 2nd & 3rd shift material/equipment deliveries, to be coordinated with the CM. Subcontractor shall be fully responsible for all equipment required for unloading. Stored materials may only be submitted for payment when stored on site, received in a timely fashion and with prior approval of the Owner and CM. Subcontractors shall not anticipate stored material payment prior to installation. Protection of said materials utilizing shrink wrapping, visqueen, tarps, etc. is the responsibility of the subcontractor.
15. The subcontractor will staff the project with adequate manpower; supervision and equipment required to complete all activities on or before scheduled dates without the planned use of overtime. The Project Schedule is based on 5 days per week, Monday through Friday, starting at 7:00 AM; Project start time may be adjusted with Daylight Savings Time to maintain safe work conditions at the discretion of the CM. A four ten-hour day work schedule will not be allowed. Weekend and after-hours work shall be requested by the Subcontractor and approved by the CM forty-eight (48) hours in advance. The Subcontractor shall anticipate normal weather conditions (defined as weather patterns and conditions within the 5-year climatic range for the same time period as defined by NOAA for this region) and shall be responsible to maintain the project schedule at no additional cost. The First Tier Subcontractor's Superintendent shall be present onsite during any overtime or weekend work being performed by the Subcontractor or their sub-subcontractors. Multiple mobilizations may be required.
16. Subcontractors shall anticipate that limited onsite parking will be available.
17. Pre-Installation Meetings: The subcontractor shall provide their project manager and superintendent to participate in pre-installation meeting including CM, Architect, and Manufacturer Representative, to verify project requirements, substrate conditions, manufacturer's installation instructions, manufacturer's warranty requirements, architectural details and safety program, quality control and schedule, prior to starting any work onsite.
18. Subcontractor understands that weekly project meetings will be held on the job site. Subcontractor agrees to have the Project Manager and Superintendent attend all required meetings. Subcontractor will attend meeting beginning 3 weeks prior to that subcontractor's start of work on site. Subcontractor will attend additional meetings as directed by the CM. Unexcused absences will be charged to the subcontractor at the rate of \$500.00 per meeting.
19. All Subcontractors are responsible for their own continuous daily work area clean up, in addition to maintaining all stored materials in an organized well-kept manner. This cleanup must be done on a continuing basis, with debris sorted as outlined in the specifications. Each Subcontractor crew shall be equipped with broom, dust pan and trash bags to broom-sweep all areas in which they are working and shall fully remove all debris resulting from this Scope of Work from the building/site and dispose of in dumpsters on a daily basis. Hazardous materials are to be disposed of off-site by the subcontractor in accordance with all Federal, State and Local requirements. In addition, for each week that the subcontractor has any field labor active on the site, they will provide sixteen hours of an experienced laborer to participate in a composite clean-up crew, specific days and times to be determined.
20. Tobacco products will not be allowed onsite at any time. At no time will tobacco products be allowed within the building structures or within 25 feet of an entrance, intake, or other opening.

## **EXHIBIT “A”**

Attachment to **Subcontract/Purchase Order No.** by and between **[insert full legal name of subcontractor/seller]** and **J.M. Thompson Company**. For **BP-08.1 Glass & Glazing, The Healing Place of New Hanover County**

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21. This Subcontractor shall provide all wash down, cleaning and touch-up painting of his Work as required for the proper completion and acceptance of the Work. Clean installed products in accordance with manufacturer's instructions at such time as agreed to or directed by CM. This Subcontractor will provide protection from damage to, and be responsible for his Work until acceptance by the Owner.
22. Subcontractor will be responsible for all testing as required by the specifications and shall give CM sufficient advance notice (not less than 24 hours & more if required by specifications) of when and where inspection and/or testing will be performed by Subcontractor. Subcontractor must supply verification to the CM Superintendent of all testing and/or inspections required by code or specifications from the appropriate agency acceptance. Subcontractor shall be responsible for all fees incurring from failed inspections.
23. This subcontractor will be responsible for complying with all requirements as outlined in those specifications. Provide manpower and troubleshooting/engineering as necessary to support the Commissioning Agent.
24. Subcontractor shall include in the Scope of Work multiple “Mock-ups” or “Prototypes” as required to expedite the approval of any system or product or as required by Specification. Modification or reworking of the “Mock-ups” or “Prototypes” to achieve Owner/Architect/Contractor approval is included in the Scope of Work in accordance with technical specification. Expediting of materials to complete mock-ups early in the construction sequence is included at no additional cost to Construction Manager.
25. Subcontractor will comply with all quality related requirements listed in the Contract Documents. Subcontractor shall follow the protocols and procedures listed in the Quality Control Plan for this project.
26. Upon installation of the building temporary lighting by Electrical Subcontractor, any additional task lighting beyond OSHA/SHMP required foot-candles shall be the responsibility of each Subcontractor. Immediately notify the Electrical Subcontractor and CM of any area where sufficient area/access lighting is not present; do not proceed with entering the area until the condition is corrected. Lighting required for work areas outside the building structure shall be the responsibility of each subcontractor requiring same. Electrical Subcontractor shall provide 110 V temporary power within the building structure using the 100 ft. rule of thumb. Power required outside the building structure shall be the responsibility of subcontractor requiring same.
27. Temporary water will be available at one location on the site; distribution shall be the responsibility of the subcontractor. Hoses shall be routed and maintained to avoid leakage.
28. Builder's Risk Insurance is provided by the CM, any subcontractor incurring a loss with an approved claim shall be responsible for any deductible amounts not covered. Deductible amounts range from ten to twenty-five thousand dollars per claim depending on the nature of the event.
29. Provide all access doors required to access items through hard ceilings and walls, including duct mounted smoke detectors. Provide fire rated access doors where applicable. Access doors to be indicated on coordination drawings. All drywall and ceiling access doors required for complete access as required under this scope are furnished by this Trade Contractor. Installation by others. Access doors shown on Architectural drawings are furnished and installed by others. Refer to architectural specifications for access door types and manufacturers.

## **EXHIBIT "A"**

Attachment to **Subcontract/Purchase Order No.** by and between **[insert full legal name of subcontractor/seller]** and **J.M. Thompson Company**. For **BP-08.1 Glass & Glazing, The Healing Place of New Hanover County**

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30. All cutting, burning, welding and grinding operations shall employ a fire watch, equipped with a fire extinguisher, as outlined in the SHMP. This individual shall be properly equipped and trained. This individual(s) shall be other than the designated site safety supervisor.
31. This subcontractor shall include all required design, professional liability insurance, and engineered drawings, by a professional engineer licensed in the state of North Carolina, per the performance requirements, for systems requiring design.

### **1.2 TRADE SPECIFIC SCOPE OF WORK ITEMS (Included but not limited to the following):**

1. This subcontractor shall furnish and install all scope of work associated with the curtain wall, storefront, glass doors, hardware, interior glazing, and non-framed mirrors.
2. This subcontractor shall provide all necessary fasteners, gaskets, sealants, bracing, anchors, clips, shims and setting blocks required for the attachment, support and anchoring of this work to the designed structure. Any additional steel required for achieving wind load/deflection requirements, attachment or reinforcement within this system over and above that is shown on contract documents shall be by this subcontractor.
3. This subcontractor shall furnish and install all pressure treated wood blocking at all sill, jamb, head and backing locations to structure for attachment of curtain wall, storefront, glass Doors and Hardware including interior glazing as per approved shop drawing.
4. Provide and install complete entry systems for the curtain wall, aluminum framed entrances and storefronts, swinging automatic entrances, interior and exterior glazing, including all hardware, operators, thresholds and weather stripping. Provide all layout and coordination drawings for all powered doors. This subcontractor shall furnish and install all operators, power supply, low voltage and control conduit/wiring. The electrical subcontractor shall provide line voltage wiring and final connection to power supply. Hardware cylinders and keying to be provided by Doors Subcontractor, this Subcontractor is responsible for coordination, submittal review, installation of hardware, etc.
5. Furnish and install all requirements for Field Quality Control testing including a qualified 3<sup>rd</sup> Party independent water spray test of the systems. Subcontractor to ensure Field Quality controls and inspections and testing per specifications. Cost for failed re-inspections will be borne by this subcontractor.
6. Subcontractor is to include all Special Warranty and Special Finish Warranty.
7. This subcontractor shall be responsible for all field measurements required for this scope of work.
8. Include in the base bid an allowance of 75 skilled journeyman man hours and a material allowance of \$5,000 to provide, install and remove additional temporary dry-in of storefront/curtain wall/window locations as a result of schedule adjustments and not as a result of delays on the part of this subcontractor. This allowance may only be utilized upon written authorization of the CM. Upon final completion this allowance will be adjusted based on subcontract unit prices and actual cost of materials.



## **EXHIBIT “A”**

Attachment to **Subcontract/Purchase Order No.** by and between **[insert full legal name of subcontractor/seller]** and **J.M. Thompson Company**. For **BP-08.1 Glass & Glazing, The Healing Place of New Hanover County**

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9. Furnish and install all exterior and interior joint sealants/caulking at all curtain wall, storefront, entrances and all surfaces to assure a waterproof installation. Include all bonding agents, backing materials and joint sealants. Verify compatibility of all sealants used with adjacent surfaces to assure bonding and avoid chemical incompatibility. Include all joint sealants/caulking including to adjacent materials provided by others.
10. Furnish and install all accent mullion cap at all interior elevations. This includes all locations installed within the curtain wall system and not associated with curtain wall system.
11. Furnish and install all glazing as indicted on contract documents and as defined by specifications including at all hollow metal windows, hollow metal/wood doors, glazed entrances, interior borrowed lites and storefront framing. This includes all bullet resistant glass, sliding glass clad windows. acrylic glass with stainless steel speaker ports plus division 08800 glazing. This includes tempered glass, insulating glass and Low-E Insulating glass. Field measure as required, include all sealants as required.
12. Subcontractor is to include furnishing and installing all glazing in wood doors and shall set stops and fill holes with the complimentary wood filler. This subcontractor is responsible for removing all adhered labels and residue on glass and frame surfaces upon completion of installation.
13. Subcontractor shall furnish and install all glazing gaskets, sealants and miscellaneous glazing materials. Coordinate framed opening sizes for glazing installation with the Doors, Frames and Hardware subcontractor for all hollow-metal frames and doors.
14. Include furnish and installation of all 2-piece flashing, receiver flashing, counter flashing and sill flashing required for all curtain wall, storefront, metal panel and louvers. All flashing shall have water stops, end dams and lap sealants. This subcontractor shall include a photographic survey including date, location and elevation of the described continuous membrane flashing at all substrate locations.
15. Furnish and install all thermal insulation, fire safing and penetration fire stopping, as required at all punch windows, curtain wall, and storefront work.
16. HSS Tube Steel Saw Structural Steel Metal framing system will be provided by others as indicated on the structural drawings. Any supplemental steel required to install the curtain wall and storefront systems will be by this subcontractor.
17. This subcontractor is to install break metal on all structural steel members where shown on plan.
18. Furnish and install self-adhering peel & stick flashing as the underlayment material over all blocking to provide separation between blocking and all metal components. This includes at locations designed in the drawings as building felt. Furnish and install all primers and surface treatment as necessary to install peel & stick per manufacturer recommendations.
19. This subcontractor shall furnish and install all drip flashing and sealant inside and outside of the glazing systems.

## **EXHIBIT “A”**

Attachment to **Subcontract/Purchase Order No.** by and between **[insert full legal name of subcontractor/seller]** and **J.M. Thompson Company**. For **BP-08.1 Glass & Glazing, The Healing Place of New Hanover County**

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20. This subcontractor is to furnish and install all hardware on the project for all aluminum doors with the exception of HM and wood doors. This Subcontractor shall be responsible for providing mock-ups as indicated and specified.
21. This subcontractor is responsible for providing a mock up. This mock-up shall include all gaskets, sill flashings, end dams, caulking and ancillary items to serve as the quality standard by which the remaining materials and installation execution shall be judged. The mock-ups **will not** become part of the completed, final installation. This Subcontractor shall include in the base bid, the demolition, removal, and disposal, of the mock-up.
22. This subcontractor is to supply and install the suns shades attached to the structures (not walkway canopies).

### **2. Alternates/Allowances**

The following are included in the Subcontract Amount/Purchase Order Amount and are included in Exhibit “X”

- 2.1. Alternates
- 2.2. Allowances



## BID FORM

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Proposal Submitted for:

**Bid Package:** BP 08.1      **Description:**      **Glass & Glazing**

**Project:**

The Healing Place of New Hanover County  
1000 Medical Center Dr.  
Wilmington, NC 28401

**Construction Manager:**

JM Thompson Company  
1002 East Chatham St.  
Cary, North Carolina 27511

**Proposals to be delivered to:** JM Thompson Company @ 1002 E. Chatham St. Cary, NC 27511

**No later than 12:00PM - December 10, 2020**

*\*Proposals from prequalified bidders only may be hand delivered or submitted USPS, UPS, Courier, Fed Ex or other means requiring a signature. Proposals received after 12:00 PM December 10, 2020 will be considered nonresponsive and will not be opened or considered for the project. JM Thompson is NOT RESPONSIBLE for bid's delivered late.*

**Proposal submitted by:**

---

(Company name)

---

(Company Address)

(City) (State)

(Zip code)

---

(Telephone Number)

---

(Contact name)

License #:

(\*Where applicable)

Addenda Acknowledged:

Addenda #1 \_\_\_\_\_ Addenda #2 \_\_\_\_\_ Addenda #3 \_\_\_\_\_ Addenda #4 \_\_\_\_\_

**Note: All portions of this Bid Form must be completed and the Bid Form must be signed before the Bid is submitted. Failure to do so will result in the Bid being rejected as non-responsive.**

Proposal form for The Healing Place of New Hanover County, CM @ Risk Project

Bidder, represents that a) it, and all Subcontractors, regardless of tier, have the appropriate current and active Contractor's license required by the State of North Carolina and the Bidding Documents; b) it has carefully read and examined the Bidding Documents for the proposed Work on this Project; c) it has examined the site of the proposed Work and all Information Available to Bidders; d) it has become familiar with all the conditions related to the proposed Work, including the availability of labor, materials, and equipment. Bidder hereby offers to furnish all labor, materials, equipment, tools, transportation, and services necessary to complete the proposed Work on this Project in accordance with the Contract Documents for the sums quoted; e) Bidder and all Subcontractors, regardless of tier, are currently registered and /or licensed as required by appropriate municipalities. Bidder represents that the Key Personnel identified in its Prequalification submittal shall be the Bidder's personnel provided pursuant to the corresponding provisions of the contract, if the contract is awarded to the Bidder. Bidder further agrees that it will not withdraw its Bid within 90 days after the Bid Deadline, and that, if it is selected as the apparent lowest responsive and responsible Bidder, that it will, within 10 days after receipt of notice of selection, sign and deliver to JM Thompson Company the Agreement in triplicate and furnish JM Thompson all items required by the Bidding Documents. If awarded the Contract, Bidder agrees to complete the proposed Work per the schedule provided within the bidding documents.

**BASE BID: The base bid includes all work required by and in strict accordance with the bid documents for this project, for the lump sum of:**

Enter total lump sum base bid in U.S. Currency: \$\_\_\_\_\_

Written form: \_\_\_\_\_ Dollars

**UNIT PRICES:**

It is the responsibility of the subcontractor to estimate required quantities for the base bid, based on the bid documents and a site visit, and include said quantities in their proposal. The unit prices below will be utilized to address quantities outside of the scope of work as detail in the bid documents. Unit Prices must only be provided if your bid package is noted as applicable to that Unit Price line item.

Unit prices quoted and accepted shall apply throughout the life of the contract, except 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 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**

**Provide skilled journeyman**

\$\_\_\_\_\_ Per Hour

Provide skilled journeyman to install and remove additional temporary dry-in of storefront/curtain wall/window locations as a result of schedule adjustments and not as a result of delays on the part of this subcontractor.



Proposal form for The Healing Place of New Hanover County, CM @ Risk Project

**Contractor MUST acknowledge by checking each of the boxes below to confirm they have reviewed and included the considerations for each without alteration:**

- ☐ Specifications & Drawings issued By Withers Ravenel design team
- ☐ Bid package(s) scope(s) of work
- ☐ Project Schedule
- ☐ Sub-contractor agreement
- ☐ Bid Bond (for bids over \$250,000)
- ☐ Payment & Performance Bond (for bids over \$250,000)
- ☐ Certificate(s) of Insurance
- ☐ HUB/MBE Participation & Solicitation documentation
- ☐ Safety Guidelines & plan review

**The Bidder is an:**

- ☐ Individual
- ☐ Partnership
- ☐ Corporation in the State of \_\_\_\_\_
- ☐ Other: \_\_\_\_\_

**Bidder Information:**

Bid Package Submitted: \_\_\_\_\_  
(Bid package #)

Company Name: \_\_\_\_\_  
(Legal Company name)

Signature: \_\_\_\_\_  
(Owner/Managing Partner/President/Vice President)

Name & Title: \_\_\_\_\_  
(Owner/Managing Partner/President/Vice President)

Federal ID number: \_\_\_\_\_

Attest:

By: \_\_\_\_\_

Title: \_\_\_\_\_

## **EXHIBIT “A”**

Attachment to **Subcontract/Purchase Order No.** by and between **[insert full legal name of subcontractor/seller]** and **J.M. Thompson Company**. For **BP-09.3 Ceramic Tile, The Healing Place of New Hanover County**

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### **SCOPE OF WORK/SUPPLY AND CLARIFICATIONS/QUALIFICATIONS**

#### **1. Scope of Work/Supply**

The Scope of Work/Supply is identified in the following Specification Section(s) and further described below:

<u><b>Specification Section</b></u>	<u><b>Description</b></u>
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093013	Ceramic Tiling

<u><b>Related Section</b></u>	<u><b>Description</b></u>
Division 0	Project Information
Division 1	General Requirements
All other divisions	

**The Contract Documents indicate the general Scope of the Project in terms of the design concept, the dimensions/types/locations of structures, utility and other systems and the outline of major elements of construction. The Contract Documents may not be complete and may not necessarily indicate or describe in complete detail all work required for the full performance and completion of Trade Contractor’s Work. Trade Contractor understands and agrees that they are to furnish all items required for a complete and functioning system; all work shall comply with applicable code requirements and the intent of the Architect/Engineer.**

#### **1.1 GENERAL PROVISIONS – All Trade Contractors**

1. Subcontractor shall include licenses, inspections, training, tests, certifications, and warranties as required by the Contract Documents, applicable codes, state and local authorities. The work on this project may involve working in or adjacent to a roadway. Specific requirements relating to eVerifi, flagman, employee training and documentation apply, subcontractors shall note these requirements in the contract documents when preparing their bids.
2. Subcontractors shall provide a directly-employed, dedicated full time Superintendent to the project at all times that work or deliveries are being performed by the subcontractor or its sub-subcontractors, or as required for the proper coordination between trades. This individual must be fully trained in all aspects of Environmental Health & Safety and possess the required certifications as required by the Safety and Health Management Program. The Superintendent shall not be replaced or removed by the Subcontractor without the written consent of the CM. However, the CM at their discretion may direct Subcontractor to replace the

## **EXHIBIT “A”**

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Superintendent with a mutually acceptable replacement. The superintendent must be English-speaking, and must have access to a mobile phone a direct company email.

3. Subcontractor shall inspect and verify, at least two (2) weeks prior to the start of their Work that all requirements for installation are complete and acceptable as required for installation to begin. This verification shall be submitted to the Construction Manager in writing. The site review shall include, but not be limited to a detailed review of all work in place furnished & installed by others. Items that do not meet the installation requirements must be identified accordingly.
4. Within (14) days of Notice of Award of the Subcontract, Subcontractor shall submit a detailed schedule for the entire scope of the subcontract, including a detailed schedule of values broken down into labor and material costs for each portion of the work, shop drawings, submittals, production schedule, delivery, and installation that will meet the milestone dates identified in the Construction Schedule (Exhibit D). This schedule is to be updated and submitted to the Construction Manager bi-weekly throughout the performance of this Scope. Submission of Schedule Updates and Recovery Plans (if required) shall be a prerequisite to the acceptance and processing of Subcontractor's Monthly Application for Payment.
5. Install sleeves and/or blockouts pertaining to your scope of work. Maintain sleeve and blockout opening protection. If Core drilling or saw cutting is necessary, submit a request to the engineer of record for approval prior to proceeding. Provide tradesman on standby for duration of all concrete pours to insure integrity of blockout, sleeve or embedded item is maintained. CM will provide only those openings indicated on the structural drawings. Seal and firesafe all penetrations in accordance with the contract documents and local code requirements. Firesafing shall be installed by a trade contractor regularly engaged in that business and not self-performed by the subcontractor's own forces.
6. The maintenance period initiates at the completion of final inspections, and an effective warranty date will be issued by the CM, not from date of installation. Subcontractors shall take note of extended warranty requirements outlined in the specifications. For warranties that extend beyond the normal period, a separate warranty may be required to be written directly between the Owner and subcontractor.
7. Subcontractor shall be totally responsible for the delivery, receiving, unloading, storing, handling, protecting, hoisting, distributing, delegated engineering, layout and installation of all materials installed under this scope. Material deliveries to the jobsite shall be coordinated and approved by the CM's project superintendent. Materials shall be delivered to the jobsite, tagged/labeled in an orderly manner, protected from exposure, and free of damage. In general, materials shall be ordered and shipped for "just-in-time" delivery to avoid congestion and damage from excessive storage of materials onsite. Subcontractor shall provide trained, competent flagmen for hoisting, moving and unloading of material.
8. Subcontractor shall be responsible for taking all field measurements that are necessary to insure the proper installation of Subcontractor's work in coordination with the work of other trades. Field measurements shall be taken and coordinated in a timely manner in order to avoid delaying the project.
9. Subcontractor shall include all dewatering necessary for the performance of their work, such that should standing water be encountered in an area of work, Subcontractor shall employ the means necessary for removal.



## **EXHIBIT “A”**

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10. Subcontractor shall include all submittals, shop drawings, as-built drawings, O&M manuals, extra materials, and Owner training as specified. Subcontractor shall complete all submittals within thirty (30) days of the date of award of the subcontract. Subcontractor will be required to utilize the Project Team Procore platform. All submittals will be processed in an electronic format, as well as document control, field activity tracking, reports, punch listing and commissioning. Subcontractor shall provide the necessary equipment, personnel and training to support these functions on site. Any deviations, changes, and/or discrepancies differentiating the shop drawings from the Contract Documents shall be clouded and clearly marked requesting the Architect's/Engineer's review and approval. It is understood that the Subcontractor shall furnish all product submittals per the Contract Documents. Substitution requests must be submitted prior to receipt of bids as outlined in the Instruction to Bidders. Substitution requests received after the deadline will not be entertained. Provide 2 sets of physical samples to be submitted to the Construction Manager.
11. Subcontractor shall cooperate fully with building inspection officials, third-party inspectors, and designer's designated representatives for review and inspection of the work of this Subcontract. Subcontractor shall provide access to any and all areas for required testing, including providing scaffolding, safety equipment, lifts, etc as required. Subcontractor shall promptly remedy all rejected or disapproved work.
12. Safety Provisions
  - a. Subcontractor shall comply with all provisions outlined in the Safety and Health Management Program (SHMP), which includes but is not limited to, the following:
    - Submission of Corporate Safety Program
    - Submission of Site-Specific Safety & Health Plan
    - Submission of Daily Pre-Task Plans for each crew
    - Submission of Monthly Man-hour Report
      - Attendance by each employee at CM's Site-Specific Safety Orientation
    - Attendance by each employee at Weekly Site Safety Meeting
      - Performance of all Work in accordance with OSHA and the guidelines identified in the SHMP
      - Compliance with 100% continuous fall protection where exposed to fall hazards over 6'
      - All field personnel shall attend, a four-hour Injury Free Environment (IFE) training session.
      - All tradesmen must have the proper license and/or certification to operate equipment/tools required for that trade. All licenses and certifications must be included in the Subcontractors Project Specific Safety Manual.
13. Include all surveying, engineering and layout from existing benchmark's and coordinates for this scope of work. The CM will provide one north/south & east/west control point on the site along with a benchmark elevation. This subcontractor shall be fully responsible for all field engineering required to transfer to work location. Subcontractor shall take note of the requirements for As-Built Documentation; drawings shall be updated on a daily basis and turned over to the CM electronically on a monthly basis. The Subcontractor shall provide a complete for-record set of electronic as-built documents at the completion of the project, as well as one complete paper copy.

## **EXHIBIT “A”**

Attachment to **Subcontract/Purchase Order No.** by and between **[insert full legal name of subcontractor/seller]** and **J.M. Thompson Company**. For **BP-09.3 Ceramic Tile, The Healing Place of New Hanover County**

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14. Subcontractor should employ the use of subcontractor provided off-site storage facilities and just-in-time. Limited access may require 2nd & 3rd shift material/equipment deliveries, to be coordinated with the CM. Subcontractor shall be fully responsible for all equipment required for unloading. Stored materials may only be submitted for payment when stored on site, received in a timely fashion and with prior approval of the Owner and CM. Subcontractors shall not anticipate stored material payment prior to installation. Protection of said materials utilizing shrink wrapping, visqueen, tarps, etc. is the responsibility of the subcontractor.
15. The subcontractor will staff the project with adequate manpower; supervision and equipment required to complete all activities on or before scheduled dates without the planned use of overtime. The Project Schedule is based on 5 days per week, Monday through Friday, starting at 7:00 AM; Project start time may be adjusted with Daylight Savings Time to maintain safe work conditions at the discretion of the CM. A four ten-hour day work schedule will not be allowed. Weekend and after-hours work shall be requested by the Subcontractor and approved by the CM forty-eight (48) hours in advance. The Subcontractor shall anticipate normal weather conditions (defined as weather patterns and conditions within the 5-year climatic range for the same time period as defined by NOAA for this region) and shall be responsible to maintain the project schedule at no additional cost. The First Tier Subcontractor's Superintendent shall be present onsite during any overtime or weekend work being performed by the Subcontractor or their sub-subcontractors. Multiple mobilizations may be required.
16. Subcontractors shall anticipate that limited onsite parking will be available.
17. Pre-Installation Meetings: The subcontractor shall provide their project manager and superintendent to participate in pre-installation meeting including CM, Architect, and Manufacturer Representative, to verify project requirements, substrate conditions, manufacturer's installation instructions, manufacturer's warranty requirements, architectural details and safety program, quality control and schedule, prior to starting any work onsite.
18. Subcontractor understands that weekly project meetings will be held on the job site. Subcontractor agrees to have the Project Manager and Superintendent attend all required meetings. Subcontractor will attend meeting beginning 3 weeks prior to that subcontractor's start of work on site. Subcontractor will attend additional meetings as directed by the CM. Unexcused absences will be charged to the subcontractor at the rate of \$500.00 per meeting.
19. All Subcontractors are responsible for their own continuous daily work area clean up, in addition to maintaining all stored materials in an organized well-kept manner. This cleanup must be done on a continuing basis, with debris sorted as outlined in the specifications. Each Subcontractor crew shall be equipped with broom, dust pan and trash bags to broom-sweep all areas in which they are working and shall fully remove all debris resulting from this Scope of Work from the building/site and dispose of in dumpsters on a daily basis. Hazardous materials are to be disposed of off-site by the subcontractor in accordance with all Federal, State and Local requirements. In addition, for each week that the subcontractor has any field labor active on the site, they will provide sixteen hours of an experienced laborer to participate in a composite clean-up crew, specific days and times to be determined.
20. Tobacco products will not be allowed onsite at any time. At no time will tobacco products be allowed within the building structures or within 25 feet of an entrance, intake, or other opening.

## **EXHIBIT “A”**

Attachment to **Subcontract/Purchase Order No.** by and between **[insert full legal name of subcontractor/seller]** and **J.M. Thompson Company**. For **BP-09.3 Ceramic Tile, The Healing Place of New Hanover County**

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21. This Subcontractor shall provide all wash down, cleaning and touch-up painting of his Work as required for the proper completion and acceptance of the Work. Clean installed products in accordance with manufacturer's instructions at such time as agreed to or directed by CM. This Subcontractor will provide protection from damage to, and be responsible for his Work until acceptance by the Owner.
22. Subcontractor will be responsible for all testing as required by the specifications and shall give CM sufficient advance notice (not less than 24 hours & more if required by specifications) of when and where inspection and/or testing will be performed by Subcontractor. Subcontractor must supply verification to the CM Superintendent of all testing and/or inspections required by code or specifications from the appropriate agency acceptance. Subcontractor shall be responsible for all fees incurring from failed inspections.
23. This subcontractor will be responsible for complying with all requirements as outlined in those specifications. Provide manpower and troubleshooting/engineering as necessary to support the Commissioning Agent.
24. Subcontractor shall include in the Scope of Work multiple “Mock-ups” or “Prototypes” as required to expedite the approval of any system or product or as required by Specification. Modification or reworking of the “Mock-ups” or “Prototypes” to achieve Owner/Architect/Contractor approval is included in the Scope of Work in accordance with technical specification. Expediting of materials to complete mock-ups early in the construction sequence is included at no additional cost to Construction Manager.
25. Subcontractor will comply with all quality related requirements listed in the Contract Documents. Subcontractor shall follow the protocols and procedures listed in the Quality Control Plan for this project.
26. Upon installation of the building temporary lighting by Electrical Subcontractor, any additional task lighting beyond OSHA/SHMP required foot-candles shall be the responsibility of each Subcontractor. Immediately notify the Electrical Subcontractor and CM of any area where sufficient area/access lighting is not present; do not proceed with entering the area until the condition is corrected. Lighting required for work areas outside the building structure shall be the responsibility of each subcontractor requiring same. Electrical Subcontractor shall provide 110 V temporary power within the building structure using the 100 ft. rule of thumb. Power required outside the building structure shall be the responsibility of subcontractor requiring same.
27. Temporary water will be available at one location on the site; distribution shall be the responsibility of the subcontractor. Hoses shall be routed and maintained to avoid leakage.
28. Builder's Risk Insurance is provided by the CM, any subcontractor incurring a loss with an approved claim shall be responsible for any deductible amounts not covered. Deductible amounts range from ten to twenty-five thousand dollars per claim depending on the nature of the event.
29. Provide all access doors required to access items through hard ceilings and walls, including duct mounted smoke detectors. Provide fire rated access doors where applicable. Access doors to be indicated on coordination drawings. All drywall and ceiling access doors required for complete access as required under this scope are furnished by this Trade Contractor. Installation by others. Access doors shown on Architectural drawings are furnished and installed by others. Refer to architectural specifications for access door types and manufacturers.

## **EXHIBIT "A"**

Attachment to **Subcontract/Purchase Order No.** by and between **[insert full legal name of subcontractor/seller]** and **J.M. Thompson Company**. For **BP-09.3 Ceramic Tile, The Healing Place of New Hanover County**

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30. All cutting, burning, welding and grinding operations shall employ a fire watch, equipped with a fire extinguisher, as outlined in the SHMP. This individual shall be properly equipped and trained. This individual(s) shall be other than the designated site safety supervisor.
31. This subcontractor shall include all required design, professional liability insurance, and engineered drawings, by a professional engineer licensed in the state of North Carolina, per the performance requirements, for systems requiring design.

### **1.2 TRADE SPECIFIC SCOPE OF WORK ITEMS (Included but not limited to the following):**

1. This Subcontractor shall be responsible for providing and installing a complete tile flooring, wall tile and base system, including, but not limited to ceramic tile, mosaic tile, porcelain tile, tile base, thresholds, crack isolation membranes, setting materials, mortar and grout, sealants, waterproofing, edge strips, cleaner, sealer, etc. as required per the contract documents.
2. This Subcontractor shall use care to prevent thin set mortar from setting on non-tiled surfaces.
3. This Subcontractor is responsible for furnishing and installation of Schluter strips at all interior and exterior corners.
4. Waterproofing is included at all areas as indicated on the plans and specifications including but not limited to all shower walls and floors. Waterproofing to be tested for water tightness before beginning any tile installations.
5. This Subcontractor shall be responsible for thoroughly cleaning all tile including removal of all grout residue and stains from all cleanout covers, floor drains, and etc.
6. All tile materials are to be properly stored onsite and kept in dry condition on pallets off the floor.
7. Extreme care must be taken in all shower areas to maintain the proper floor slopes to prevent any water from cross draining into adjacent shower stall areas as per Health Department regulations.
8. All CMU walls receiving tile shall be prepared to a smooth surface so as to not show irregularities in the finished tile surfaces and all recessed pockets for soap dispensers in shower areas shall be waterproofed and lined with wall tile. Cutting of CMU walls for recessed pockets is included.
9. This Subcontractor shall be responsible for providing mock-ups as required by the contract documents. These mock-ups, once approved shall serve as the quality standard by which the remaining materials and installation execution shall be judged. The mock-ups may become part of the completed, final installation, as indicated in the contract documents; however, this Subcontractor shall include in the base bid, the demolition, and removal of the mock-ups, as well as the preparation, and reinstallation of a final tile system in the location where the mock-ups are removed.
10. This Subcontractor shall be responsible for examining and accepting the substrate prior to installation to ensure it complies with the tile installation tolerances. This Subcontractor shall be responsible for filling

## **EXHIBIT “A”**

Attachment to **Subcontract/Purchase Order No.** by and between **[insert full legal name of subcontractor/seller]** and **J.M. Thompson Company**. For **BP-09.3 Ceramic Tile, The Healing Place of New Hanover County**

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cracks, holes, and depressions in substrate to allow for tile installation. Verify lighting is installed and operating prior to proceeding with installation.

11. This Subcontractor shall be responsible for preparing the substrate for installation of the new tile system including slope to floor drains as shown on the drawings.
12. This subcontractor is to install 1/8” thick Masonite panels taped at all joints to protect the finished flooring. Removal and disposal of protection board will be by this subcontractor as directed.

### **2. Alternates/Allowances**

The following are included in the Subcontract Amount/Purchase Order Amount and are included in Exhibit “X”

- 2.1. Alternates
- 2.2. Allowances



## BID FORM

Proposal Submitted for:

**Bid Package:** BP 09.3      **Description:** Ceramic Tile

**Project:**

The Healing Place of New Hanover County  
1000 Medical Center Dr.  
Wilmington, NC 28401

**Construction Manager:**

JM Thompson Company  
1002 East Chatham St.  
Cary, North Carolina 27511

**Proposals to be delivered to:** JM Thompson Company @ 1002 E. Chatham St. Cary, NC 27511

**No later than 12:00PM - December 10, 2020**

*\*Proposals from prequalified bidders only may be hand delivered or submitted USPS, UPS, Courier, Fed Ex or other means requiring a signature. Proposals received after 12:00 PM December 10, 2020 will be considered nonresponsive and will not be opened or considered for the project. JM Thompson is NOT RESPONSIBLE for bid's delivered late.*

**Proposal submitted by:**

\_\_\_\_\_  
(Company name)

\_\_\_\_\_  
(Company Address)

\_\_\_\_\_  
(City) (State)

\_\_\_\_\_  
(Zip code)

\_\_\_\_\_  
(Telephone Number)

\_\_\_\_\_  
(Contact name)

\_\_\_\_\_  
License #:

(\*Where applicable)

Addenda Acknowledged:

Addenda #1 \_\_\_\_\_ Addenda #2 \_\_\_\_\_ Addenda #3 \_\_\_\_\_ Addenda #4 \_\_\_\_\_

**Note: All portions of this Bid Form must be completed and the Bid Form must be signed before the Bid is submitted. Failure to do so will result in the Bid being rejected as non-responsive.**

Proposal form for The Healing Place of New Hanover County, CM @ Risk Project

Bidder, represents that a) it, and all Subcontractors, regardless of tier, have the appropriate current and active Contractor's license required by the State of North Carolina and the Bidding Documents; b) it has carefully read and examined the Bidding Documents for the proposed Work on this Project; c) it has examined the site of the proposed Work and all Information Available to Bidders; d) it has become familiar with all the conditions related to the proposed Work, including the availability of labor, materials, and equipment. Bidder hereby offers to furnish all labor, materials, equipment, tools, transportation, and services necessary to complete the proposed Work on this Project in accordance with the Contract Documents for the sums quoted; e) Bidder and all Subcontractors, regardless of tier, are currently registered and /or licensed as required by appropriate municipalities. Bidder represents that the Key Personnel identified in its Prequalification submittal shall be the Bidder's personnel provided pursuant to the corresponding provisions of the contract, if the contract is awarded to the Bidder. Bidder further agrees that it will not withdraw its Bid within 90 days after the Bid Deadline, and that, if it is selected as the apparent lowest responsive and responsible Bidder, that it will, within 10 days after receipt of notice of selection, sign and deliver to JM Thompson Company the Agreement in triplicate and furnish JM Thompson all items required by the Bidding Documents. If awarded the Contract, Bidder agrees to complete the proposed Work per the schedule provided within the bidding documents.

**BASE BID: The base bid includes all work required by and in strict accordance with the bid documents for this project, for the lump sum of:**

Enter total lump sum base bid in U.S. Currency: \$\_\_\_\_\_

Written form: \_\_\_\_\_ Dollars



Proposal form for The Healing Place of New Hanover County, CM @ Risk Project

**Contractor MUST acknowledge by checking each of the boxes below to confirm they have reviewed and included the considerations for each without alteration:**

- ☐ Specifications & Drawings issued By Withers Ravenel design team
- ☐ Bid package(s) scope(s) of work
- ☐ Project Schedule
- ☐ Sub-contractor agreement
- ☐ Bid Bond (for bids over \$250,000)
- ☐ Payment & Performance Bond (for bids over \$250,000)
- ☐ Certificate(s) of Insurance
- ☐ HUB/MBE Participation & Solicitation documentation
- ☐ Safety Guidelines & plan review

**The Bidder is an:**

- ☐ Individual
- ☐ Partnership
- ☐ Corporation in the State of \_\_\_\_\_
- ☐ Other: \_\_\_\_\_

**Bidder Information:**

Bid Package Submitted: \_\_\_\_\_  
(Bid package #)

Company Name: \_\_\_\_\_  
(Legal Company name)

Signature: \_\_\_\_\_  
(Owner/Managing Partner/President/Vice President)

Name & Title: \_\_\_\_\_  
(Owner/Managing Partner/President/Vice President)

Federal ID number: \_\_\_\_\_

Attest:

By: \_\_\_\_\_

Title: \_\_\_\_\_





## BID FORM

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Proposal Submitted for:

**Bid Package:** BP 15.4      **Description:** HVAC & Controls

**Project:**

The Healing Place of New Hanover County  
1000 Medical Center Dr.  
Wilmington, NC 28401

**Construction Manager:**

JM Thompson Company  
1002 East Chatham St.  
Cary, North Carolina 27511

**Proposals to be delivered to:** JM Thompson Company @ 1002 E. Chatham St. Cary, NC 27511

**No later than 12:00PM - December 10, 2020**

*\*Proposals from prequalified bidders only may be hand delivered or submitted USPS, UPS, Courier, Fed Ex or other means requiring a signature. Proposals received after 12:00 PM December 10, 2020 will be considered nonresponsive and will not be opened or considered for the project. JM Thompson is NOT RESPONSIBLE for bid's delivered late.*

**Proposal submitted by:**

---

(Company name)

---

(Company Address)

(City) (State)

(Zip code)

---

(Telephone Number)

---

(Contact name)

License #:

(\*Where applicable)

Addenda Acknowledged:

Addenda #1 \_\_\_\_\_ Addenda #2 \_\_\_\_\_ Addenda #3 \_\_\_\_\_ Addenda #4 \_\_\_\_\_

**Note: All portions of this Bid Form must be completed and the Bid Form must be signed before the Bid is submitted. Failure to do so will result in the Bid being rejected as non-responsive.**

Proposal form for The Healing Place of New Hanover County, CM @ Risk Project

Bidder, represents that a) it, and all Subcontractors, regardless of tier, have the appropriate current and active Contractor's license required by the State of North Carolina and the Bidding Documents; b) it has carefully read and examined the Bidding Documents for the proposed Work on this Project; c) it has examined the site of the proposed Work and all Information Available to Bidders; d) it has become familiar with all the conditions related to the proposed Work, including the availability of labor, materials, and equipment. Bidder hereby offers to furnish all labor, materials, equipment, tools, transportation, and services necessary to complete the proposed Work on this Project in accordance with the Contract Documents for the sums quoted; e) Bidder and all Subcontractors, regardless of tier, are currently registered and /or licensed as required by appropriate municipalities. Bidder represents that the Key Personnel identified in its Prequalification submittal shall be the Bidder's personnel provided pursuant to the corresponding provisions of the contract, if the contract is awarded to the Bidder. Bidder further agrees that it will not withdraw its Bid within 90 days after the Bid Deadline, and that, if it is selected as the apparent lowest responsive and responsible Bidder, that it will, within 10 days after receipt of notice of selection, sign and deliver to JM Thompson Company the Agreement in triplicate and furnish JM Thompson all items required by the Bidding Documents. If awarded the Contract, Bidder agrees to complete the proposed Work per the schedule provided within the bidding documents.

**BASE BID: The base bid includes all work required by and in strict accordance with the bid documents for this project, for the lump sum of:**

Enter total lump sum base bid in U.S. Currency: \$\_\_\_\_\_

Written form: \_\_\_\_\_Dollars



Proposal form for The Healing Place of New Hanover County, CM @ Risk Project

**Contractor MUST acknowledge by checking each of the boxes below to confirm they have reviewed and included the considerations for each without alteration:**

- ☐ Specifications & Drawings issued By Withers Ravenel design team
- ☐ Bid package(s) scope(s) of work
- ☐ Project Schedule
- ☐ Sub-contractor agreement
- ☐ Bid Bond (for bids over \$250,000)
- ☐ Payment & Performance Bond (for bids over \$250,000)
- ☐ Certificate(s) of Insurance
- ☐ HUB/MBE Participation & Solicitation documentation
- ☐ Safety Guidelines & plan review

**The Bidder is an:**

- ☐ Individual
- ☐ Partnership
- ☐ Corporation in the State of \_\_\_\_\_
- ☐ Other: \_\_\_\_\_

**Bidder Information:**

Bid Package Submitted: \_\_\_\_\_  
(Bid package #)

Company Name: \_\_\_\_\_  
(Legal Company name)

Signature: \_\_\_\_\_  
(Owner/Managing Partner/President/Vice President)

Name & Title: \_\_\_\_\_  
(Owner/Managing Partner/President/Vice President)

Federal ID number: \_\_\_\_\_

Attest:

By: \_\_\_\_\_

Title: \_\_\_\_\_



## BID FORM

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Proposal Submitted for:

**Bid Package:** BP 01.2      **Description:**      **General Trades**

**Project:**

The Healing Place of New Hanover County  
1000 Medical Center Dr.  
Wilmington, NC 28401

**Construction Manager:**

JM Thompson Company  
1002 East Chatham St.  
Cary, North Carolina 27511

**Proposals to be delivered to:** JM Thompson Company @ 1002 E. Chatham St. Cary, NC 27511

**No later than 12:00PM - December 10, 2020**

*\*Proposals from prequalified bidders only may be hand delivered or submitted USPS, UPS, Courier, Fed Ex or other means requiring a signature. Proposals received after 12:00 PM December 10, 2020 will be considered nonresponsive and will not be opened or considered for the project. JM Thompson is NOT RESPONSIBLE for bid's delivered late.*

**Proposal submitted by:**

---

(Company name)

---

(Company Address)

(City) (State)

(Zip code)

---

(Telephone Number)

---

(Contact name)

**License #:** \_\_\_\_\_

(\*Where applicable)

Addenda Acknowledged:

Addenda #1 \_\_\_\_\_ Addenda #2 \_\_\_\_\_ Addenda #3 \_\_\_\_\_ Addenda #4 \_\_\_\_\_

**Note: All portions of this Bid Form must be completed, and the Bid Form must be signed before the Bid is submitted. Failure to do so will result in the Bid being rejected as non-responsive.**

Proposal form for The Healing Place of New Hanover County, CM @ Risk Project

Bidder, represents that a) it, and all Subcontractors, regardless of tier, have the appropriate current and active Contractor's license required by the State of North Carolina and the Bidding Documents; b) it has carefully read and examined the Bidding Documents for the proposed Work on this Project; c) it has examined the site of the proposed Work and all Information Available to Bidders; d) it has become familiar with all the conditions related to the proposed Work, including the availability of labor, materials, and equipment. Bidder hereby offers to furnish all labor, materials, equipment, tools, transportation, and services necessary to complete the proposed Work on this Project in accordance with the Contract Documents for the sums quoted; e) Bidder and all Subcontractors, regardless of tier, are currently registered and /or licensed as required by appropriate municipalities. Bidder represents that the Key Personnel identified in its Prequalification submittal shall be the Bidder's personnel provided pursuant to the corresponding provisions of the contract, if the contract is awarded to the Bidder. Bidder further agrees that it will not withdraw its Bid within 90 days after the Bid Deadline, and that, if it is selected as the apparent lowest responsive and responsible Bidder, that it will, within 10 days after receipt of notice of selection, sign and deliver to JM Thompson Company the Agreement in triplicate and furnish JM Thompson all items required by the Bidding Documents. If awarded the Contract, Bidder agrees to complete the proposed Work per the schedule provided within the bidding documents.

**BASE BID: The base bid includes all work required by and in strict accordance with the bid documents for this project, for the lump sum of:**

Enter total lump sum base bid in U.S. Currency: \$\_\_\_\_\_

Written form: \_\_\_\_\_ Dollars

**UNIT PRICES:**

It is the responsibility of the subcontractor to estimate required quantities for the base bid, based on the bid documents and a site visit, and include said quantities in their proposal. The unit prices below will be utilized to address quantities outside of the scope of work as detail in the bid documents. Unit Prices must only be provided if your bid package is noted as applicable to that Unit Price line item.

Unit prices quoted and accepted shall apply throughout the life of the contract, except 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 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**

**Working Supervisor Rate**

\$\_\_\_\_\_ Per Hour

**UP #2**

**Laborer Rate**

\$\_\_\_\_\_ Per Hour

**UP #3**

**Carpenter Rate**

\$\_\_\_\_\_ Per Hour

**UP #4**

**Portable Toilets**

\$\_\_\_\_\_ Per Month

**UP #5**

**Wash Station**

\$\_\_\_\_\_ Per Month

**UP #6**

**Dumpster**

\$\_\_\_\_\_ Per week

**UP #7**

**Surbeyor**

\$\_\_\_\_\_ Per Hour



Proposal form for The Healing Place of New Hanover County, CM @ Risk Project

**Contractor MUST acknowledge by checking each of the boxes below to confirm they have reviewed and included the considerations for each without alteration:**

- ☐ Specifications & Drawings issued By Withers Ravenel design team
- ☐ Bid package(s) scope(s) of work
- ☐ Project Schedule
- ☐ Sub-contractor agreement
- ☐ Bid Bond (for bids over \$250,000)
- ☐ Payment & Performance Bond (for bids over \$250,000)
- ☐ Certificate(s) of Insurance
- ☐ HUB/MBE Participation & Solicitation documentation
- ☐ Safety Guidelines & plan review

**The Bidder is an:**

- ☐ Individual
- ☐ Partnership
- ☐ Corporation in the State of \_\_\_\_\_
- ☐ Other: \_\_\_\_\_

**Bidder Information:**

Bid Package Submitted: \_\_\_\_\_  
(Bid package #)

Company Name: \_\_\_\_\_  
(Legal Company name)

Signature: \_\_\_\_\_  
(Owner/Managing Partner/President/Vice President)

Name & Title: \_\_\_\_\_  
(Owner/Managing Partner/President/Vice President)

Federal ID number: \_\_\_\_\_

Attest:

By: \_\_\_\_\_

Title: \_\_\_\_\_



## BID FORM

---

Proposal Submitted for:

**Bid Package:** BP 01.3      **Description:** Final Cleaning

**Project:**

The Healing Place of New Hanover County  
1000 Medical Center Dr.  
Wilmington, NC 28401

**Construction Manager:**

JM Thompson Company  
1002 East Chatham St.  
Cary, North Carolina 27511

**Proposals to be delivered to:** JM Thompson Company @ 1002 E. Chatham St. Cary, NC 27511

**No later than 12:00PM - December 10, 2020**

*\*Proposals from prequalified bidders only may be hand delivered or submitted USPS, UPS, Courier, Fed Ex or other means requiring a signature. Proposals received after 12:00 PM December 10, 2020 will be considered nonresponsive and will not be opened or considered for the project. JM Thompson is NOT RESPONSIBLE for bid's delivered late.*

**Proposal submitted by:**

---

(Company name)

---

(Company Address)

(City) (State)

(Zip code)

---

(Telephone Number)

---

(Contact name)

License #:

(\*Where applicable)

Addenda Acknowledged:

Addenda #1 \_\_\_\_\_ Addenda #2 \_\_\_\_\_ Addenda #3 \_\_\_\_\_ Addenda #4 \_\_\_\_\_

**Note: All portions of this Bid Form must be completed and the Bid Form must be signed before the Bid is submitted. Failure to do so will result in the Bid being rejected as non-responsive.**



Proposal form for The Healing Place of New Hanover County, CM @ Risk Project

Bidder, represents that a) it, and all Subcontractors, regardless of tier, have the appropriate current and active Contractor's license required by the State of North Carolina and the Bidding Documents; b) it has carefully read and examined the Bidding Documents for the proposed Work on this Project; c) it has examined the site of the proposed Work and all Information Available to Bidders; d) it has become familiar with all the conditions related to the proposed Work, including the availability of labor, materials, and equipment. Bidder hereby offers to furnish all labor, materials, equipment, tools, transportation, and services necessary to complete the proposed Work on this Project in accordance with the Contract Documents for the sums quoted; e) Bidder and all Subcontractors, regardless of tier, are currently registered and /or licensed as required by appropriate municipalities. Bidder represents that the Key Personnel identified in its Prequalification submittal shall be the Bidder's personnel provided pursuant to the corresponding provisions of the contract, if the contract is awarded to the Bidder. Bidder further agrees that it will not withdraw its Bid within 90 days after the Bid Deadline, and that, if it is selected as the apparent lowest responsive and responsible Bidder, that it will, within 10 days after receipt of notice of selection, sign and deliver to JM Thompson Company the Agreement in triplicate and furnish JM Thompson all items required by the Bidding Documents. If awarded the Contract, Bidder agrees to complete the proposed Work per the schedule provided within the bidding documents.

**BASE BID: The base bid includes all work required by and in strict accordance with the bid documents for this project, for the lump sum of:**

Enter total lump sum base bid in U.S. Currency: \$\_\_\_\_\_

Written form: \_\_\_\_\_ Dollars



Proposal form for The Healing Place of New Hanover County, CM @ Risk Project

**Contractor MUST acknowledge by checking each of the boxes below to confirm they have reviewed and included the considerations for each without alteration:**

- ☐ Specifications & Drawings issued By Withers Ravenel design team
- ☐ Bid package(s) scope(s) of work
- ☐ Project Schedule
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- ☐ Certificate(s) of Insurance
- ☐ HUB/MBE Participation & Solicitation documentation
- ☐ Safety Guidelines & plan review

**The Bidder is an:**

- ☐ Individual
- ☐ Partnership
- ☐ Corporation in the State of \_\_\_\_\_
- ☐ Other: \_\_\_\_\_

**Bidder Information:**

Bid Package Submitted: \_\_\_\_\_  
(Bid package #)

Company Name: \_\_\_\_\_  
(Legal Company name)

Signature: \_\_\_\_\_  
(Owner/Managing Partner/President/Vice President)

Name & Title: \_\_\_\_\_  
(Owner/Managing Partner/President/Vice President)

Federal ID number: \_\_\_\_\_

Attest:

By: \_\_\_\_\_

Title: \_\_\_\_\_



## BID FORM

---

Proposal Submitted for:

**Bid Package:** BP 02.0      **Description:** Earthwork

**Project:**

The Healing Place of New Hanover County  
1000 Medical Center Dr.  
Wilmington, NC 28401

**Construction Manager:**

JM Thompson Company  
1002 East Chatham St.  
Cary, North Carolina 27511

**Proposals to be delivered to:** JM Thompson Company @ 1002 E. Chatham St. Cary, NC 27511

**No later than 12:00PM - December 10, 2020**

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**Proposal submitted by:**

---

(Company name)

---

(Company Address)

(City) (State)

(Zip code)

---

(Telephone Number)

---

(Contact name)

License #:

(\*Where applicable)

Addenda Acknowledged:

Addenda #1 \_\_\_\_\_ Addenda #2 \_\_\_\_\_ Addenda #3 \_\_\_\_\_ Addenda #4 \_\_\_\_\_

**Note: All portions of this Bid Form must be completed and the Bid Form must be signed before the Bid is submitted. Failure to do so will result in the Bid being rejected as non-responsive.**

Proposal form for The Healing Place of New Hanover County, CM @ Risk Project

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**BASE BID: The base bid includes all work required by and in strict accordance with the bid documents for this project, for the lump sum of:**

Enter total lump sum base bid in U.S. Currency: \$\_\_\_\_\_

Written form: \_\_\_\_\_ Dollars

**UNIT PRICES:**

It is the responsibility of the subcontractor to estimate required quantities for the base bid, based on the bid documents and a site visit, and include said quantities in their proposal. The unit prices below will be utilized to address quantities outside of the scope of work as detail in the bid documents. Unit Prices must only be provided if your bid package is noted as applicable to that Unit Price line item.

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**UP #1-Removal and replacement of unsuitable soils, off-site disposal, and replacement with on-site soil**

\$\_\_\_\_\_ Per Cubic Yard

**UP #2-Removal and replacement of unsuitable soils, off-site disposal, and replacement with off-site borrow**

\$\_\_\_\_\_ Per Cubic Yard

**UP #3-Hourly rate for survey crew**

\$\_\_\_\_\_ Per Hour

**UP #4-Furnish, install and remove compacted ABC stone for temp parking**

\$\_\_\_\_\_ Per Ton

**UP #5 Rock Removal Open Areas and dispose offsite**

\$\_\_\_\_\_ Per Cubic Yard

**UP #6 Rock Removal Trenches and dispose offsite**

\$\_\_\_\_\_ Per Cubic Yard



Proposal form for The Healing Place of New Hanover County, CM @ Risk Project

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- ☐ Bid package(s) scope(s) of work
- ☐ Project Schedule
- ☐ Sub-contractor agreement
- ☐ Bid Bond (for bids over \$250,000)
- ☐ Payment & Performance Bond (for bids over \$250,000)
- ☐ Certificate(s) of Insurance
- ☐ HUB/MBE Participation & Solicitation documentation
- ☐ Safety Guidelines & plan review

**The Bidder is an:**

- ☐ Individual
- ☐ Partnership
- ☐ Corporation in the State of \_\_\_\_\_
- ☐ Other: \_\_\_\_\_

**Bidder Information:**

Bid Package Submitted: \_\_\_\_\_  
(Bid package #)

Company Name: \_\_\_\_\_  
(Legal Company name)

Signature: \_\_\_\_\_  
(Owner/Managing Partner/President/Vice President)

Name & Title: \_\_\_\_\_  
(Owner/Managing Partner/President/Vice President)

Federal ID number: \_\_\_\_\_

Attest:

By: \_\_\_\_\_

Title: \_\_\_\_\_



## BID FORM

---

Proposal Submitted for:

**Bid Package:** BP 02.1      **Description:**      **Utilities**

**Project:**

The Healing Place of New Hanover County  
1000 Medical Center Dr.  
Wilmington, NC 28401

**Construction Manager:**

JM Thompson Company  
1002 East Chatham St.  
Cary, North Carolina 27511

**Proposals to be delivered to:** JM Thompson Company @ 1002 E. Chatham St. Cary, NC 27511

**No later than 12:00PM - December 10, 2020**

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**Proposal submitted by:**

---

(Company name)

---

(Company Address)

(City) (State)

(Zip code)

---

(Telephone Number)

---

(Contact name)

License #:

(\*Where applicable)

Addenda Acknowledged:

Addenda #1 \_\_\_\_\_ Addenda #2 \_\_\_\_\_ Addenda #3 \_\_\_\_\_ Addenda #4 \_\_\_\_\_

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Proposal form for The Healing Place of New Hanover County, CM @ Risk Project

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**BASE BID: The base bid includes all work required by and in strict accordance with the bid documents for this project, for the lump sum of:**

Enter total lump sum base bid in U.S. Currency: \$\_\_\_\_\_

Written form: \_\_\_\_\_ Dollars



**UNIT PRICES:**

It is the responsibility of the subcontractor to estimate required quantities for the base bid, based on the bid documents and a site visit, and include said quantities in their proposal. The unit prices below will be utilized to address quantities outside of the scope of work as detail in the bid documents. Unit Prices must only be provided if your bid package is noted as applicable to that Unit Price line item.

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<b>UP #1 Rock Removal Open Areas</b>	\$_____ Per Cubic Yard
<b>UP #2 Rock Removal Trenches</b>	\$_____ Per Cubic Yard
<b>UP #3 Unsuitable Soil Dispose onsite</b>	\$_____ Per Cubic Yard
<b>UP #4 Unsuitable Soil Dispose offsite</b>	\$_____ Per Cubic Yard
<b>UP #5 Replace unsuitable with onsite soil</b>	\$_____ Per Cubic Yard
<b>UP #6 Replace unsuitable with offsite soil</b>	\$_____ Per Cubic Yard
<b>UP #7 Replace unsuitable with base course</b>	\$_____ Per Cubic Yard
<b>UP #8 Replace unsuitable with #57 stone</b>	\$_____ Per Cubic Yard



Proposal form for The Healing Place of New Hanover County, CM @ Risk Project

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- ☐ Bid package(s) scope(s) of work
- ☐ Project Schedule
- ☐ Sub-contractor agreement
- ☐ Bid Bond (for bids over \$250,000)
- ☐ Payment & Performance Bond (for bids over \$250,000)
- ☐ Certificate(s) of Insurance
- ☐ HUB/MBE Participation & Solicitation documentation
- ☐ Safety Guidelines & plan review

**The Bidder is an:**

- ☐ Individual
- ☐ Partnership
- ☐ Corporation in the State of \_\_\_\_\_
- ☐ Other: \_\_\_\_\_

**Bidder Information:**

Bid Package Submitted: \_\_\_\_\_  
(Bid package #)

Company Name: \_\_\_\_\_  
(Legal Company name)

Signature: \_\_\_\_\_  
(Owner/Managing Partner/President/Vice President)

Name & Title: \_\_\_\_\_  
(Owner/Managing Partner/President/Vice President)

Federal ID number: \_\_\_\_\_

Attest:

By: \_\_\_\_\_

Title: \_\_\_\_\_



## BID FORM

Proposal Submitted for:

**Bid Package: BP 02.6      Description:      Site Concrete**

**Project:**

The Healing Place of New Hanover County  
1000 Medical Center Dr.  
Wilmington, NC 28401

**Construction Manager:**

JM Thompson Company  
1002 East Chatham St.  
Cary, North Carolina 27511

**Proposals to be delivered to: JM Thompson Company @ 1002 E. Chatham St. Cary, NC 27511**

**No later than 12:00PM - December 10, 2020**

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**Proposal submitted by:**

\_\_\_\_\_  
(Company name)

\_\_\_\_\_  
(Company Address)

\_\_\_\_\_  
(City) (State)

\_\_\_\_\_  
(Zip code)

\_\_\_\_\_  
(Telephone Number)

\_\_\_\_\_  
(Contact name)

\_\_\_\_\_  
License #:

(\*Where applicable)

Addenda Acknowledged:

Addenda #1 \_\_\_\_\_ Addenda #2 \_\_\_\_\_ Addenda #3 \_\_\_\_\_ Addenda #4 \_\_\_\_\_

**Note: All portions of this Bid Form must be completed and the Bid Form must be signed before the Bid is submitted. Failure to do so will result in the Bid being rejected as non-responsive.**

Proposal form for The Healing Place of New Hanover County, CM @ Risk Project

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**BASE BID: The base bid includes all work required by and in strict accordance with the bid documents for this project, for the lump sum of:**

Enter total lump sum base bid in U.S. Currency: \$\_\_\_\_\_

Written form: \_\_\_\_\_Dollars

**UNIT PRICES:**

It is the responsibility of the subcontractor to estimate required quantities for the base bid, based on the bid documents and a site visit, and include said quantities in their proposal. The unit prices below will be utilized to address quantities outside of the scope of work as detail in the bid documents. Unit Prices must only be provided if your bid package is noted as applicable to that Unit Price line item.

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**UP #1**

**Removal and replacement for 500 sf of damaged sidewalks**

\$\_\_\_\_\_/sf



Proposal form for The Healing Place of New Hanover County, CM @ Risk Project

**Contractor MUST acknowledge by checking each of the boxes below to confirm they have reviewed and included the considerations for each without alteration:**

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- ☐ Bid package(s) scope(s) of work
- ☐ Project Schedule
- ☐ Sub-contractor agreement
- ☐ Bid Bond (for bids over \$250,000)
- ☐ Payment & Performance Bond (for bids over \$250,000)
- ☐ Certificate(s) of Insurance
- ☐ HUB/MBE Participation & Solicitation documentation
- ☐ Safety Guidelines & plan review

**The Bidder is an:**

- ☐ Individual
- ☐ Partnership
- ☐ Corporation in the State of \_\_\_\_\_
- ☐ Other: \_\_\_\_\_

**Bidder Information:**

Bid Package Submitted: \_\_\_\_\_  
(Bid package #)

Company Name: \_\_\_\_\_  
(Legal Company name)

Signature: \_\_\_\_\_  
(Owner/Managing Partner/President/Vice President)

Name & Title: \_\_\_\_\_  
(Owner/Managing Partner/President/Vice President)

Federal ID number: \_\_\_\_\_

Attest:

By: \_\_\_\_\_

Title: \_\_\_\_\_



## BID FORM

---

Proposal Submitted for:

**Bid Package:** BP 02.7      **Description:**      **Fencing**

**Project:**

The Healing Place of New Hanover County  
1000 Medical Center Dr.  
Wilmington, NC 28401

**Construction Manager:**

JM Thompson Company  
1002 East Chatham St.  
Cary, North Carolina 27511

**Proposals to be delivered to:** JM Thompson Company @ 1002 E. Chatham St. Cary, NC 27511

**No later than 12:00PM - December 10, 2020**

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**Proposal submitted by:**

---

(Company name)

---

(Company Address)

(City) (State)

(Zip code)

---

(Telephone Number)

---

(Contact name)

**License #:** \_\_\_\_\_

(\*Where applicable)

Addenda Acknowledged:

Addenda #1 \_\_\_\_\_ Addenda #2 \_\_\_\_\_ Addenda #3 \_\_\_\_\_ Addenda #4 \_\_\_\_\_

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Proposal form for The Healing Place of New Hanover County, CM @ Risk Project

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**BASE BID: The base bid includes all work required by and in strict accordance with the bid documents for this project, for the lump sum of:**

Enter total lump sum base bid in U.S. Currency: \$\_\_\_\_\_

Written form: \_\_\_\_\_Dollars





Proposal form for The Healing Place of New Hanover County, CM @ Risk Project

**Contractor MUST acknowledge by checking each of the boxes below to confirm they have reviewed and included the considerations for each without alteration:**

- ☐ Specifications & Drawings issued By Withers Ravenel design team
- ☐ Bid package(s) scope(s) of work
- ☐ Project Schedule
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- ☐ Safety Guidelines & plan review

**The Bidder is an:**

- ☐ Individual
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- ☐ Corporation in the State of \_\_\_\_\_
- ☐ Other: \_\_\_\_\_

**Bidder Information:**

Bid Package Submitted: \_\_\_\_\_  
(Bid package #)

Company Name: \_\_\_\_\_  
(Legal Company name)

Signature: \_\_\_\_\_  
(Owner/Managing Partner/President/Vice President)

Name & Title: \_\_\_\_\_  
(Owner/Managing Partner/President/Vice President)

Federal ID number: \_\_\_\_\_

Attest:

By: \_\_\_\_\_

Title: \_\_\_\_\_



## BID FORM

---

Proposal Submitted for:

**Bid Package: BP 03.0      Description:      Building Concrete**

**Project:**

The Healing Place of New Hanover County  
1000 Medical Center Dr.  
Wilmington, NC 28401

**Construction Manager:**

JM Thompson Company  
1002 East Chatham St.  
Cary, North Carolina 27511

**Proposals to be delivered to: JM Thompson Company @ 1002 E. Chatham St. Cary, NC 27511**

**No later than 12:00PM - December 10, 2020**

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**Proposal submitted by:**

---

**(Company name)**

---

**(Company Address)**

**(City) (State)**

**(Zip code)**

---

**(Telephone Number)**

---

**(Contact name)**

**License #:** \_\_\_\_\_

*(\*Where applicable)*

Addenda Acknowledged:

Addenda #1 \_\_\_\_\_ Addenda #2 \_\_\_\_\_ Addenda #3 \_\_\_\_\_ Addenda #4 \_\_\_\_\_

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Proposal form for The Healing Place of New Hanover County, CM @ Risk Project

Bidder, represents that a) it, and all Subcontractors, regardless of tier, have the appropriate current and active Contractor's license required by the State of North Carolina and the Bidding Documents; b) it has carefully read and examined the Bidding Documents for the proposed Work on this Project; c) it has examined the site of the proposed Work and all Information Available to Bidders; d) it has become familiar with all the conditions related to the proposed Work, including the availability of labor, materials, and equipment. Bidder hereby offers to furnish all labor, materials, equipment, tools, transportation, and services necessary to complete the proposed Work on this Project in accordance with the Contract Documents for the sums quoted; e) Bidder and all Subcontractors, regardless of tier, are currently registered and /or licensed as required by appropriate municipalities. Bidder represents that the Key Personnel identified in its Prequalification submittal shall be the Bidder's personnel provided pursuant to the corresponding provisions of the contract, if the contract is awarded to the Bidder. Bidder further agrees that it will not withdraw its Bid within 90 days after the Bid Deadline, and that, if it is selected as the apparent lowest responsive and responsible Bidder, that it will, within 10 days after receipt of notice of selection, sign and deliver to JM Thompson Company the Agreement in triplicate and furnish JM Thompson all items required by the Bidding Documents. If awarded the Contract, Bidder agrees to complete the proposed Work per the schedule provided within the bidding documents.

**BASE BID: The base bid includes all work required by and in strict accordance with the bid documents for this project, for the lump sum of:**

Enter total lump sum base bid in U.S. Currency: \$\_\_\_\_\_

Written form: \_\_\_\_\_ Dollars



Proposal form for The Healing Place of New Hanover County, CM @ Risk Project

**Contractor MUST acknowledge by checking each of the boxes below to confirm they have reviewed and included the considerations for each without alteration:**

- ☐ Specifications & Drawings issued By Withers Ravenel design team
- ☐ Bid package(s) scope(s) of work
- ☐ Project Schedule
- ☐ Sub-contractor agreement
- ☐ Bid Bond (for bids over \$250,000)
- ☐ Payment & Performance Bond (for bids over \$250,000)
- ☐ Certificate(s) of Insurance
- ☐ HUB/MBE Participation & Solicitation documentation
- ☐ Safety Guidelines & plan review

**The Bidder is an:**

- ☐ Individual
- ☐ Partnership
- ☐ Corporation in the State of \_\_\_\_\_
- ☐ Other: \_\_\_\_\_

**Bidder Information:**

Bid Package Submitted: \_\_\_\_\_  
(Bid package #)

Company Name: \_\_\_\_\_  
(Legal Company name)

Signature: \_\_\_\_\_  
(Owner/Managing Partner/President/Vice President)

Name & Title: \_\_\_\_\_  
(Owner/Managing Partner/President/Vice President)

Federal ID number: \_\_\_\_\_

Attest:

By: \_\_\_\_\_

Title: \_\_\_\_\_



## BID FORM

---

Proposal Submitted for:

**Bid Package:** BP 04.0      **Description:**      **Masonry**

**Project:**

The Healing Place of New Hanover County  
1000 Medical Center Dr.  
Wilmington, NC 28401

**Construction Manager:**

JM Thompson Company  
1002 East Chatham St.  
Cary, North Carolina 27511

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**Proposal submitted by:**

---

(Company name)

---

(Company Address)

(City) (State)

(Zip code)

---

(Telephone Number)

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(Contact name)

License #:

(\*Where applicable)

Addenda Acknowledged:

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Enter total lump sum base bid in U.S. Currency: \$\_\_\_\_\_

Written form: \_\_\_\_\_Dollars



Proposal form for The Healing Place of New Hanover County, CM @ Risk Project

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(Bid package #)

Company Name: \_\_\_\_\_  
(Legal Company name)

Signature: \_\_\_\_\_  
(Owner/Managing Partner/President/Vice President)

Name & Title: \_\_\_\_\_  
(Owner/Managing Partner/President/Vice President)

Federal ID number: \_\_\_\_\_

Attest:

By: \_\_\_\_\_

Title: \_\_\_\_\_



## BID FORM

---

Proposal Submitted for:

**Bid Package:** BP 05.1      **Description:**      **Structural & Misc. Steel**

**Project:**

The Healing Place of New Hanover County  
1000 Medical Center Dr.  
Wilmington, NC 28401

**Construction Manager:**

JM Thompson Company  
1002 East Chatham St.  
Cary, North Carolina 27511

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**Proposal submitted by:**

---

(Company name)

---

(Company Address)

---

(City) (State)

---

(Zip code)

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(Contact name)

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License #:

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Signature: \_\_\_\_\_  
(Owner/Managing Partner/President/Vice President)

Name & Title: \_\_\_\_\_  
(Owner/Managing Partner/President/Vice President)

Federal ID number: \_\_\_\_\_

Attest:

By: \_\_\_\_\_

Title: \_\_\_\_\_



## BID FORM

Proposal Submitted for:

**Bid Package:** BP 06.4      **Description:** Casework

**Project:**

The Healing Place of New Hanover County  
1000 Medical Center Dr.  
Wilmington, NC 28401

**Construction Manager:**

JM Thompson Company  
1002 East Chatham St.  
Cary, North Carolina 27511

**Proposals to be delivered to:** JM Thompson Company @ 1002 E. Chatham St. Cary, NC 27511

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**Proposal submitted by:**

\_\_\_\_\_  
(Company name)

\_\_\_\_\_  
(Company Address)

\_\_\_\_\_  
(City) (State)

\_\_\_\_\_  
(Zip code)

\_\_\_\_\_  
(Telephone Number)

\_\_\_\_\_  
(Contact name)

\_\_\_\_\_  
License #:

(\*Where applicable)

Addenda Acknowledged:

Addenda #1 \_\_\_\_\_ Addenda #2 \_\_\_\_\_ Addenda #3 \_\_\_\_\_ Addenda #4 \_\_\_\_\_

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Written form: \_\_\_\_\_Dollars



Proposal form for The Healing Place of New Hanover County, CM @ Risk Project

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Signature: \_\_\_\_\_  
(Owner/Managing Partner/President/Vice President)

Name & Title: \_\_\_\_\_  
(Owner/Managing Partner/President/Vice President)

Federal ID number: \_\_\_\_\_

Attest:

By: \_\_\_\_\_

Title: \_\_\_\_\_



## BID FORM

---

Proposal Submitted for:

**Bid Package:** BP 07.0      **Description:**      **Caulk & Sealants**

**Project:**

The Healing Place of New Hanover County  
1000 Medical Center Dr.  
Wilmington, NC 28401

**Construction Manager:**

JM Thompson Company  
1002 East Chatham St.  
Cary, North Carolina 27511

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**Proposal submitted by:**

---

(Company name)

---

(Company Address)

(City) (State)

(Zip code)

---

(Telephone Number)

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(Contact name)

**License #:** \_\_\_\_\_

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Written form: \_\_\_\_\_ Dollars



Proposal form for The Healing Place of New Hanover County, CM @ Risk Project

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**Bidder Information:**

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Company Name: \_\_\_\_\_  
(Legal Company name)

Signature: \_\_\_\_\_  
(Owner/Managing Partner/President/Vice President)

Name & Title: \_\_\_\_\_  
(Owner/Managing Partner/President/Vice President)

Federal ID number: \_\_\_\_\_

Attest:

By: \_\_\_\_\_

Title: \_\_\_\_\_





## BID FORM

---

Proposal Submitted for:

**Bid Package:** BP 07.2      **Description:**      **Roofing**

**Project:**

The Healing Place of New Hanover County  
1000 Medical Center Dr.  
Wilmington, NC 28401

**Construction Manager:**

JM Thompson Company  
1002 East Chatham St.  
Cary, North Carolina 27511

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**Proposal submitted by:**

---

(Company name)

---

(Company Address)

(City) (State)

(Zip code)

---

(Telephone Number)

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(Contact name)

**License #:** \_\_\_\_\_

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Written form: \_\_\_\_\_Dollars



Proposal form for The Healing Place of New Hanover County, CM @ Risk Project

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Company Name: \_\_\_\_\_  
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Signature: \_\_\_\_\_  
(Owner/Managing Partner/President/Vice President)

Name & Title: \_\_\_\_\_  
(Owner/Managing Partner/President/Vice President)

Federal ID number: \_\_\_\_\_

Attest:

By: \_\_\_\_\_

Title: \_\_\_\_\_



## BID FORM

---

Proposal Submitted for:

**Bid Package:** BP 08.0      **Description:**      **Doors/Frames/Hardware**

**Project:**

The Healing Place of New Hanover County  
1000 Medical Center Dr.  
Wilmington, NC 28401

**Construction Manager:**

JM Thompson Company  
1002 East Chatham St.  
Cary, North Carolina 27511

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**Proposal submitted by:**

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(Company name)

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(Company Address)

(City) (State)

(Zip code)

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(Telephone Number)

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License #:

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Enter total lump sum base bid in U.S. Currency: \$\_\_\_\_\_

Written form: \_\_\_\_\_ Dollars

**UNIT PRICES:**

It is the responsibility of the subcontractor to estimate required quantities for the base bid, based on the bid documents and a site visit, and include said quantities in their proposal. The unit prices below will be utilized to address quantities outside of the scope of work as detail in the bid documents. Unit Prices must only be provided if your bid package is noted as applicable to that Unit Price line item.

Unit prices quoted and accepted shall apply throughout the life of the contract, except 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 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**

**Furnish, install and remove temporary doors**

\$\_\_\_\_\_ Per Door

Supply, install and remove all required hardware and temporary doors for securing various areas during construction. The temporary hardware shall include hinges and locksets. Locksets shall have the ability to be keyed alike into three (3) groups with master access over all units.



Proposal form for The Healing Place of New Hanover County, CM @ Risk Project

**Contractor MUST acknowledge by checking each of the boxes below to confirm they have reviewed and included the considerations for each without alteration:**

- ☐ Specifications & Drawings issued By Withers Ravenel design team
- ☐ Bid package(s) scope(s) of work
- ☐ Project Schedule
- ☐ Sub-contractor agreement
- ☐ Bid Bond (for bids over \$250,000)
- ☐ Payment & Performance Bond (for bids over \$250,000)
- ☐ Certificate(s) of Insurance
- ☐ HUB/MBE Participation & Solicitation documentation
- ☐ Safety Guidelines & plan review

**The Bidder is an:**

- ☐ Individual
- ☐ Partnership
- ☐ Corporation in the State of \_\_\_\_\_
- ☐ Other: \_\_\_\_\_

**Bidder Information:**

Bid Package Submitted: \_\_\_\_\_  
(Bid package #)

Company Name: \_\_\_\_\_  
(Legal Company name)

Signature: \_\_\_\_\_  
(Owner/Managing Partner/President/Vice President)

Name & Title: \_\_\_\_\_  
(Owner/Managing Partner/President/Vice President)

Federal ID number: \_\_\_\_\_

Attest:

By: \_\_\_\_\_

Title: \_\_\_\_\_



## BID FORM

---

Proposal Submitted for:

**Bid Package:** BP 09.0      **Description:**      **Framing & Drywall**

**Project:**

The Healing Place of New Hanover County  
1000 Medical Center Dr.  
Wilmington, NC 28401

**Construction Manager:**

JM Thompson Company  
1002 East Chatham St.  
Cary, North Carolina 27511

**Proposals to be delivered to:** JM Thompson Company @ 1002 E. Chatham St. Cary, NC 27511

**No later than 12:00PM - December 10, 2020**

*\*Proposals from prequalified bidders only may be hand delivered or submitted USPS, UPS, Courier, Fed Ex or other means requiring a signature. Proposals received after 12:00 PM December 10, 2020 will be considered nonresponsive and will not be opened or considered for the project. JM Thompson is NOT RESPONSIBLE for bid's delivered late.*

**Proposal submitted by:**

---

(Company name)

---

(Company Address)

(City) (State)

(Zip code)

---

(Telephone Number)

---

(Contact name)

**License #:** \_\_\_\_\_

(\*Where applicable)

Addenda Acknowledged:

Addenda #1 \_\_\_\_\_ Addenda #2 \_\_\_\_\_ Addenda #3 \_\_\_\_\_ Addenda #4 \_\_\_\_\_

**Note: All portions of this Bid Form must be completed and the Bid Form must be signed before the Bid is submitted. Failure to do so will result in the Bid being rejected as non-responsive.**



Proposal form for The Healing Place of New Hanover County, CM @ Risk Project

Bidder, represents that a) it, and all Subcontractors, regardless of tier, have the appropriate current and active Contractor's license required by the State of North Carolina and the Bidding Documents; b) it has carefully read and examined the Bidding Documents for the proposed Work on this Project; c) it has examined the site of the proposed Work and all Information Available to Bidders; d) it has become familiar with all the conditions related to the proposed Work, including the availability of labor, materials, and equipment. Bidder hereby offers to furnish all labor, materials, equipment, tools, transportation, and services necessary to complete the proposed Work on this Project in accordance with the Contract Documents for the sums quoted; e) Bidder and all Subcontractors, regardless of tier, are currently registered and /or licensed as required by appropriate municipalities. Bidder represents that the Key Personnel identified in its Prequalification submittal shall be the Bidder's personnel provided pursuant to the corresponding provisions of the contract, if the contract is awarded to the Bidder. Bidder further agrees that it will not withdraw its Bid within 90 days after the Bid Deadline, and that, if it is selected as the apparent lowest responsive and responsible Bidder, that it will, within 10 days after receipt of notice of selection, sign and deliver to JM Thompson Company the Agreement in triplicate and furnish JM Thompson all items required by the Bidding Documents. If awarded the Contract, Bidder agrees to complete the proposed Work per the schedule provided within the bidding documents.

**BASE BID: The base bid includes all work required by and in strict accordance with the bid documents for this project, for the lump sum of:**

Enter total lump sum base bid in U.S. Currency: \$\_\_\_\_\_

Written form: \_\_\_\_\_ Dollars

**UNIT PRICES:**

It is the responsibility of the subcontractor to estimate required quantities for the base bid, based on the bid documents and a site visit, and include said quantities in their proposal. The unit prices below will be utilized to address quantities outside of the scope of work as detail in the bid documents. Unit Prices must only be provided if your bid package is noted as applicable to that Unit Price line item.

Unit prices quoted and accepted shall apply throughout the life of the contract, except 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 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**

**Journeyman rate per HR**

\$\_\_\_\_\_ Per HR

Provide man hours for additional temporary dry-in/security, weather protection or finish protection

**UP #2**

**Journeyman finisher man rate per HR**

\$\_\_\_\_\_ Per HR

Provide man hours for finisher man hours for finishing repairs beyond that required by the scope of work. Include in the unit rate all required finishing tools and materials.



Proposal form for The Healing Place of New Hanover County, CM @ Risk Project

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- ☐ Bid package(s) scope(s) of work
- ☐ Project Schedule
- ☐ Sub-contractor agreement
- ☐ Bid Bond (for bids over \$250,000)
- ☐ Payment & Performance Bond (for bids over \$250,000)
- ☐ Certificate(s) of Insurance
- ☐ HUB/MBE Participation & Solicitation documentation
- ☐ Safety Guidelines & plan review

**The Bidder is an:**

- ☐ Individual
- ☐ Partnership
- ☐ Corporation in the State of \_\_\_\_\_
- ☐ Other: \_\_\_\_\_

**Bidder Information:**

Bid Package Submitted: \_\_\_\_\_  
(Bid package #)

Company Name: \_\_\_\_\_  
(Legal Company name)

Signature: \_\_\_\_\_  
(Owner/Managing Partner/President/Vice President)

Name & Title: \_\_\_\_\_  
(Owner/Managing Partner/President/Vice President)

Federal ID number: \_\_\_\_\_

Attest:

By: \_\_\_\_\_

Title: \_\_\_\_\_



## BID FORM

---

Proposal Submitted for:

**Bid Package:** BP 09.1      **Description:**      **Painting**

**Project:**

The Healing Place of New Hanover County  
1000 Medical Center Dr.  
Wilmington, NC 28401

**Construction Manager:**

JM Thompson Company  
1002 East Chatham St.  
Cary, North Carolina 27511

**Proposals to be delivered to:** JM Thompson Company @ 1002 E. Chatham St. Cary, NC 27511

**No later than 12:00PM - December 10, 2020**

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**Proposal submitted by:**

---

(Company name)

---

(Company Address)

(City) (State)

(Zip code)

---

(Telephone Number)

---

(Contact name)

**License #:** \_\_\_\_\_

(\*Where applicable)

Addenda Acknowledged:

Addenda #1 \_\_\_\_\_ Addenda #2 \_\_\_\_\_ Addenda #3 \_\_\_\_\_ Addenda #4 \_\_\_\_\_

**Note: All portions of this Bid Form must be completed and the Bid Form must be signed before the Bid is submitted. Failure to do so will result in the Bid being rejected as non-responsive.**

Proposal form for The Healing Place of New Hanover County, CM @ Risk Project

Bidder, represents that a) it, and all Subcontractors, regardless of tier, have the appropriate current and active Contractor's license required by the State of North Carolina and the Bidding Documents; b) it has carefully read and examined the Bidding Documents for the proposed Work on this Project; c) it has examined the site of the proposed Work and all Information Available to Bidders; d) it has become familiar with all the conditions related to the proposed Work, including the availability of labor, materials, and equipment. Bidder hereby offers to furnish all labor, materials, equipment, tools, transportation, and services necessary to complete the proposed Work on this Project in accordance with the Contract Documents for the sums quoted; e) Bidder and all Subcontractors, regardless of tier, are currently registered and /or licensed as required by appropriate municipalities. Bidder represents that the Key Personnel identified in its Prequalification submittal shall be the Bidder's personnel provided pursuant to the corresponding provisions of the contract, if the contract is awarded to the Bidder. Bidder further agrees that it will not withdraw its Bid within 90 days after the Bid Deadline, and that, if it is selected as the apparent lowest responsive and responsible Bidder, that it will, within 10 days after receipt of notice of selection, sign and deliver to JM Thompson Company the Agreement in triplicate and furnish JM Thompson all items required by the Bidding Documents. If awarded the Contract, Bidder agrees to complete the proposed Work per the schedule provided within the bidding documents.

**BASE BID: The base bid includes all work required by and in strict accordance with the bid documents for this project, for the lump sum of:**

Enter total lump sum base bid in U.S. Currency: \$\_\_\_\_\_

Written form: \_\_\_\_\_ Dollars

**UNIT PRICES:**

It is the responsibility of the subcontractor to estimate required quantities for the base bid, based on the bid documents and a site visit, and include said quantities in their proposal. The unit prices below will be utilized to address quantities outside of the scope of work as detail in the bid documents. Unit Prices must only be provided if your bid package is noted as applicable to that Unit Price line item.

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**UP #1**

**Hourly rate for painter**

\$\_\_\_\_\_ Per Hour



Proposal form for The Healing Place of New Hanover County, CM @ Risk Project

**Contractor MUST acknowledge by checking each of the boxes below to confirm they have reviewed and included the considerations for each without alteration:**

- ☐ Specifications & Drawings issued By Withers Ravenel design team
- ☐ Bid package(s) scope(s) of work
- ☐ Project Schedule
- ☐ Sub-contractor agreement
- ☐ Bid Bond (for bids over \$250,000)
- ☐ Payment & Performance Bond (for bids over \$250,000)
- ☐ Certificate(s) of Insurance
- ☐ HUB/MBE Participation & Solicitation documentation
- ☐ Safety Guidelines & plan review

**The Bidder is an:**

- ☐ Individual
- ☐ Partnership
- ☐ Corporation in the State of \_\_\_\_\_
- ☐ Other: \_\_\_\_\_

**Bidder Information:**

Bid Package Submitted: \_\_\_\_\_  
(Bid package #)

Company Name: \_\_\_\_\_  
(Legal Company name)

Signature: \_\_\_\_\_  
(Owner/Managing Partner/President/Vice President)

Name & Title: \_\_\_\_\_  
(Owner/Managing Partner/President/Vice President)

Federal ID number: \_\_\_\_\_

Attest:

By: \_\_\_\_\_

Title: \_\_\_\_\_



## BID FORM

---

Proposal Submitted for:

**Bid Package:** BP 09.5      **Description:**      **Acoustic Ceilings**

**Project:**

The Healing Place of New Hanover County  
1000 Medical Center Dr.  
Wilmington, NC 28401

**Construction Manager:**

JM Thompson Company  
1002 East Chatham St.  
Cary, North Carolina 27511

**Proposals to be delivered to:** JM Thompson Company @ 1002 E. Chatham St. Cary, NC 27511

**No later than 12:00PM - December 10, 2020**

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**Proposal submitted by:**

---

(Company name)

---

(Company Address)

(City) (State)

(Zip code)

---

(Telephone Number)

---

(Contact name)

License #:

(\*Where applicable)

Addenda Acknowledged:

Addenda #1 \_\_\_\_\_ Addenda #2 \_\_\_\_\_ Addenda #3 \_\_\_\_\_ Addenda #4 \_\_\_\_\_

**Note: All portions of this Bid Form must be completed and the Bid Form must be signed before the Bid is submitted. Failure to do so will result in the Bid being rejected as non-responsive.**



Proposal form for The Healing Place of New Hanover County, CM @ Risk Project

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**BASE BID: The base bid includes all work required by and in strict accordance with the bid documents for this project, for the lump sum of:**

Enter total lump sum base bid in U.S. Currency: \$\_\_\_\_\_

Written form: \_\_\_\_\_ Dollars



Proposal form for The Healing Place of New Hanover County, CM @ Risk Project

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- ☐ Other: \_\_\_\_\_

**Bidder Information:**

Bid Package Submitted: \_\_\_\_\_  
(Bid package #)

Company Name: \_\_\_\_\_  
(Legal Company name)

Signature: \_\_\_\_\_  
(Owner/Managing Partner/President/Vice President)

Name & Title: \_\_\_\_\_  
(Owner/Managing Partner/President/Vice President)

Federal ID number: \_\_\_\_\_

Attest:

By: \_\_\_\_\_

Title: \_\_\_\_\_



## BID FORM

---

Proposal Submitted for:

**Bid Package:** BP 09.6      **Description:**      **Flooring**

**Project:**

The Healing Place of New Hanover County  
1000 Medical Center Dr.  
Wilmington, NC 28401

**Construction Manager:**

JM Thompson Company  
1002 East Chatham St.  
Cary, North Carolina 27511

**Proposals to be delivered to:** JM Thompson Company @ 1002 E. Chatham St. Cary, NC 27511

**No later than 12:00PM - December 10, 2020**

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**Proposal submitted by:**

---

(Company name)

---

(Company Address)

(City) (State)

(Zip code)

---

(Telephone Number)

---

(Contact name)

**License #:** \_\_\_\_\_

(\*Where applicable)

Addenda Acknowledged:

Addenda #1 \_\_\_\_\_ Addenda #2 \_\_\_\_\_ Addenda #3 \_\_\_\_\_ Addenda #4 \_\_\_\_\_

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Proposal form for The Healing Place of New Hanover County, CM @ Risk Project

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**BASE BID: The base bid includes all work required by and in strict accordance with the bid documents for this project, for the lump sum of:**

Enter total lump sum base bid in U.S. Currency: \$\_\_\_\_\_

Written form: \_\_\_\_\_ Dollars

**UNIT PRICES:**

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**UP #1**

**Provide price for upgraded adhesive for VCT flooring upto 90% RH** \$\_\_\_\_\_ Per SF

**UP #2**

**Provide price for upgraded adhesive for Carpet flooring upto 90% RH** \$\_\_\_\_\_ Per SF

**UP #3**

**Provide price for upgraded adhesive for Sheet Vinyl Flooring upto 90% RH** \$\_\_\_\_\_ Per SF

**UP #4**

**Provide price for Cement based Ardex Feather Finish for floor patching & leveling compound**  
\$\_\_\_\_\_ Per SF



Proposal form for The Healing Place of New Hanover County, CM @ Risk Project

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- ☐ Project Schedule
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- ☐ Certificate(s) of Insurance
- ☐ HUB/MBE Participation & Solicitation documentation
- ☐ Safety Guidelines & plan review

**The Bidder is an:**

- ☐ Individual
- ☐ Partnership
- ☐ Corporation in the State of \_\_\_\_\_
- ☐ Other: \_\_\_\_\_

**Bidder Information:**

Bid Package Submitted: \_\_\_\_\_  
(Bid package #)

Company Name: \_\_\_\_\_  
(Legal Company name)

Signature: \_\_\_\_\_  
(Owner/Managing Partner/President/Vice President)

Name & Title: \_\_\_\_\_  
(Owner/Managing Partner/President/Vice President)

Federal ID number: \_\_\_\_\_

Attest:

By: \_\_\_\_\_

Title: \_\_\_\_\_



## BID FORM

---

Proposal Submitted for:

**Bid Package: BP 10.0      Description:      Toilet Partitions**

**Project:**

The Healing Place of New Hanover County  
1000 Medical Center Dr.  
Wilmington, NC 28401

**Construction Manager:**

JM Thompson Company  
1002 East Chatham St.  
Cary, North Carolina 27511

**Proposals to be delivered to: JM Thompson Company @ 1002 E. Chatham St. Cary, NC 27511**

**No later than 12:00PM - December 10, 2020**

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**Proposal submitted by:**

---

**(Company name)**

---

**(Company Address)**

**(City) (State)**

**(Zip code)**

---

**(Telephone Number)**

---

**(Contact name)**

**License #:** \_\_\_\_\_

*(\*Where applicable)*

Addenda Acknowledged:

Addenda #1 \_\_\_\_\_ Addenda #2 \_\_\_\_\_ Addenda #3 \_\_\_\_\_ Addenda #4 \_\_\_\_\_

**Note: All portions of this Bid Form must be completed and the Bid Form must be signed before the Bid is submitted. Failure to do so will result in the Bid being rejected as non-responsive.**

Proposal form for The Healing Place of New Hanover County, CM @ Risk Project

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**BASE BID: The base bid includes all work required by and in strict accordance with the bid documents for this project, for the lump sum of:**

Enter total lump sum base bid in U.S. Currency: \$\_\_\_\_\_

Written form: \_\_\_\_\_ Dollars





Proposal form for The Healing Place of New Hanover County, CM @ Risk Project

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- ☐ Safety Guidelines & plan review

**The Bidder is an:**

- ☐ Individual
- ☐ Partnership
- ☐ Corporation in the State of \_\_\_\_\_
- ☐ Other: \_\_\_\_\_

**Bidder Information:**

Bid Package Submitted: \_\_\_\_\_  
(Bid package #)

Company Name: \_\_\_\_\_  
(Legal Company name)

Signature: \_\_\_\_\_  
(Owner/Managing Partner/President/Vice President)

Name & Title: \_\_\_\_\_  
(Owner/Managing Partner/President/Vice President)

Federal ID number: \_\_\_\_\_

Attest:

By: \_\_\_\_\_

Title: \_\_\_\_\_



## BID FORM

---

Proposal Submitted for:

**Bid Package: BP 10.2      Description:      Operable Partitions**

**Project:**

The Healing Place of New Hanover County  
1000 Medical Center Dr.  
Wilmington, NC 28401

**Construction Manager:**

JM Thompson Company  
1002 East Chatham St.  
Cary, North Carolina 27511

**Proposals to be delivered to: JM Thompson Company @ 1002 E. Chatham St. Cary, NC 27511**

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**Proposal submitted by:**

---

(Company name)

---

(Company Address)

(City) (State)

(Zip code)

---

(Telephone Number)

---

(Contact name)

License #:

(\*Where applicable)

Addenda Acknowledged:

Addenda #1 \_\_\_\_\_ Addenda #2 \_\_\_\_\_ Addenda #3 \_\_\_\_\_ Addenda #4 \_\_\_\_\_

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Proposal form for The Healing Place of New Hanover County, CM @ Risk Project

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**BASE BID: The base bid includes all work required by and in strict accordance with the bid documents for this project, for the lump sum of:**

Enter total lump sum base bid in U.S. Currency: \$\_\_\_\_\_

Written form: \_\_\_\_\_ Dollars



Proposal form for The Healing Place of New Hanover County, CM @ Risk Project

**Contractor MUST acknowledge by checking each of the boxes below to confirm they have reviewed and included the considerations for each without alteration:**

- ☐ Specifications & Drawings issued By Withers Ravenel design team
- ☐ Bid package(s) scope(s) of work
- ☐ Project Schedule
- ☐ Sub-contractor agreement
- ☐ Bid Bond (for bids over \$250,000)
- ☐ Payment & Performance Bond (for bids over \$250,000)
- ☐ Certificate(s) of Insurance
- ☐ HUB/MBE Participation & Solicitation documentation
- ☐ Safety Guidelines & plan review

**The Bidder is an:**

- ☐ Individual
- ☐ Partnership
- ☐ Corporation in the State of \_\_\_\_\_
- ☐ Other: \_\_\_\_\_

**Bidder Information:**

Bid Package Submitted: \_\_\_\_\_  
(Bid package #)

Company Name: \_\_\_\_\_  
(Legal Company name)

Signature: \_\_\_\_\_  
(Owner/Managing Partner/President/Vice President)

Name & Title: \_\_\_\_\_  
(Owner/Managing Partner/President/Vice President)

Federal ID number: \_\_\_\_\_

Attest:

By: \_\_\_\_\_

Title: \_\_\_\_\_



## BID FORM

---

Proposal Submitted for:

**Bid Package:** BP 10.7      **Description:** Aluminum Walkway Covers

**Project:**

The Healing Place of New Hanover County  
1000 Medical Center Dr.  
Wilmington, NC 28401

**Construction Manager:**

JM Thompson Company  
1002 East Chatham St.  
Cary, North Carolina 27511

**Proposals to be delivered to:** JM Thompson Company @ 1002 E. Chatham St. Cary, NC 27511

**No later than 12:00PM - December 10, 2020**

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**Proposal submitted by:**

---

(Company name)

---

(Company Address)

(City) (State)

(Zip code)

---

(Telephone Number)

---

(Contact name)

License #:

(\*Where applicable)

Addenda Acknowledged:

Addenda #1 \_\_\_\_\_ Addenda #2 \_\_\_\_\_ Addenda #3 \_\_\_\_\_ Addenda #4 \_\_\_\_\_

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Proposal form for The Healing Place of New Hanover County, CM @ Risk Project

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Enter total lump sum base bid in U.S. Currency: \$\_\_\_\_\_

Written form: \_\_\_\_\_Dollars



Proposal form for The Healing Place of New Hanover County, CM @ Risk Project

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Signature: \_\_\_\_\_  
(Owner/Managing Partner/President/Vice President)

Name & Title: \_\_\_\_\_  
(Owner/Managing Partner/President/Vice President)

Federal ID number: \_\_\_\_\_

Attest:

By: \_\_\_\_\_

Title: \_\_\_\_\_



## BID FORM

---

Proposal Submitted for:

**Bid Package:** BP 11.0      **Description:** Food Service Equipment

**Project:**

The Healing Place of New Hanover County  
1000 Medical Center Dr.  
Wilmington, NC 28401

**Construction Manager:**

JM Thompson Company  
1002 East Chatham St.  
Cary, North Carolina 27511

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**Proposal submitted by:**

---

(Company name)

---

(Company Address)

(City) (State)

(Zip code)

---

(Telephone Number)

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(Contact name)

License #:

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Name & Title: \_\_\_\_\_  
(Owner/Managing Partner/President/Vice President)

Federal ID number: \_\_\_\_\_

Attest:

By: \_\_\_\_\_

Title: \_\_\_\_\_



## BID FORM

---

Proposal Submitted for:

**Bid Package:** BP 12.2      **Description:** Window Treatments

**Project:**

The Healing Place of New Hanover County  
1000 Medical Center Dr.  
Wilmington, NC 28401

**Construction Manager:**

JM Thompson Company  
1002 East Chatham St.  
Cary, North Carolina 27511

**Proposals to be delivered to:** JM Thompson Company @ 1002 E. Chatham St. Cary, NC 27511

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**Proposal submitted by:**

---

(Company name)

---

(Company Address)

(City) (State)

(Zip code)

---

(Telephone Number)

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(Contact name)

License #:

(\*Where applicable)

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Written form: \_\_\_\_\_ Dollars



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(Owner/Managing Partner/President/Vice President)

Name & Title: \_\_\_\_\_  
(Owner/Managing Partner/President/Vice President)

Federal ID number: \_\_\_\_\_

Attest:

By: \_\_\_\_\_

Title: \_\_\_\_\_



## BID FORM

---

Proposal Submitted for:

**Bid Package:** BP 15.0      **Description:** Fire Sprinkler

**Project:**

The Healing Place of New Hanover County  
1000 Medical Center Dr.  
Wilmington, NC 28401

**Construction Manager:**

JM Thompson Company  
1002 East Chatham St.  
Cary, North Carolina 27511

**Proposals to be delivered to:** JM Thompson Company @ 1002 E. Chatham St. Cary, NC 27511

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**Proposal submitted by:**

---

(Company name)

---

(Company Address)

(City) (State)

(Zip code)

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(Telephone Number)

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(Contact name)

License #:

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Written form: \_\_\_\_\_ Dollars



Proposal form for The Healing Place of New Hanover County, CM @ Risk Project

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Company Name: \_\_\_\_\_  
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Signature: \_\_\_\_\_  
(Owner/Managing Partner/President/Vice President)

Name & Title: \_\_\_\_\_  
(Owner/Managing Partner/President/Vice President)

Federal ID number: \_\_\_\_\_

Attest:

By: \_\_\_\_\_

Title: \_\_\_\_\_





## BID FORM

---

Proposal Submitted for:

**Bid Package:** BP 15.2      **Description:** Plumbing

**Project:**

The Healing Place of New Hanover County  
1000 Medical Center Dr.  
Wilmington, NC 28401

**Construction Manager:**

JM Thompson Company  
1002 East Chatham St.  
Cary, North Carolina 27511

**Proposals to be delivered to:** JM Thompson Company @ 1002 E. Chatham St. Cary, NC 27511

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**Proposal submitted by:**

---

(Company name)

---

(Company Address)

(City) (State)

(Zip code)

---

(Telephone Number)

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(Contact name)

**License #:** \_\_\_\_\_

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Written form: \_\_\_\_\_ Dollars



Proposal form for The Healing Place of New Hanover County, CM @ Risk Project

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Signature: \_\_\_\_\_  
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Name & Title: \_\_\_\_\_  
(Owner/Managing Partner/President/Vice President)

Federal ID number: \_\_\_\_\_

Attest:

By: \_\_\_\_\_

Title: \_\_\_\_\_



## BID FORM

---

Proposal Submitted for:

**Bid Package:** BP 16.0      **Description:** Electrical & Fire Alarm

**Project:**

The Healing Place of New Hanover County  
1000 Medical Center Dr.  
Wilmington, NC 28401

**Construction Manager:**

JM Thompson Company  
1002 East Chatham St.  
Cary, North Carolina 27511

**Proposals to be delivered to:** JM Thompson Company @ 1002 E. Chatham St. Cary, NC 27511

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**Proposal submitted by:**

---

(Company name)

---

(Company Address)

(City) (State)

(Zip code)

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(Telephone Number)

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License #:

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Written form: \_\_\_\_\_ Dollars

**UNIT PRICES:**

It is the responsibility of the subcontractor to estimate required quantities for the base bid, based on the bid documents and a site visit, and include said quantities in their proposal. The unit prices below will be utilized to address quantities outside of the scope of work as detail in the bid documents. Unit Prices must only be provided if your bid package is noted as applicable to that Unit Price line item.

Unit prices quoted and accepted shall apply throughout the life of the contract, except 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 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**

**Emergency Light**

\$\_\_\_\_\_ Per Each light

**UP #2**

**Exit light**

\$\_\_\_\_\_ Per Each light

**UP #3**

**Smoke Detector**

\$\_\_\_\_\_ Per Each SD



Proposal form for The Healing Place of New Hanover County, CM @ Risk Project

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Federal ID number: \_\_\_\_\_

Attest:

By: \_\_\_\_\_

Title: \_\_\_\_\_



## BID FORM

---

Proposal Submitted for:

**Bid Package: BP 16.1      Description:      Communications**

**Project:**

The Healing Place of New Hanover County  
1000 Medical Center Dr.  
Wilmington, NC 28401

**Construction Manager:**

JM Thompson Company  
1002 East Chatham St.  
Cary, North Carolina 27511

**Proposals to be delivered to: JM Thompson Company @ 1002 E. Chatham St. Cary, NC 27511**

**No later than 12:00PM - December 10, 2020**

*\*Proposals from prequalified bidders only may be hand delivered or submitted USPS, UPS, Courier, Fed Ex or other means requiring a signature. Proposals received after 12:00 PM December 10, 2020 will be considered nonresponsive and will not be opened or considered for the project. JM Thompson is NOT RESPONSIBLE for bid's delivered late.*

**Proposal submitted by:**

---

**(Company name)**

---

**(Company Address)**

---

**(City) (State)**

---

**(Zip code)**

---

**(Telephone Number)**

---

**(Contact name)**

---

**License #:**

*(\*Where applicable)*

Addenda Acknowledged:

Addenda #1 \_\_\_\_\_ Addenda #2 \_\_\_\_\_ Addenda #3 \_\_\_\_\_ Addenda #4 \_\_\_\_\_

**Note: All portions of this Bid Form must be completed and the Bid Form must be signed before the Bid is submitted. Failure to do so will result in the Bid being rejected as non-responsive.**



Proposal form for The Healing Place of New Hanover County, CM @ Risk Project

Bidder, represents that a) it, and all Subcontractors, regardless of tier, have the appropriate current and active Contractor's license required by the State of North Carolina and the Bidding Documents; b) it has carefully read and examined the Bidding Documents for the proposed Work on this Project; c) it has examined the site of the proposed Work and all Information Available to Bidders; d) it has become familiar with all the conditions related to the proposed Work, including the availability of labor, materials, and equipment. Bidder hereby offers to furnish all labor, materials, equipment, tools, transportation, and services necessary to complete the proposed Work on this Project in accordance with the Contract Documents for the sums quoted; e) Bidder and all Subcontractors, regardless of tier, are currently registered and /or licensed as required by appropriate municipalities. Bidder represents that the Key Personnel identified in its Prequalification submittal shall be the Bidder's personnel provided pursuant to the corresponding provisions of the contract, if the contract is awarded to the Bidder. Bidder further agrees that it will not withdraw its Bid within 90 days after the Bid Deadline, and that, if it is selected as the apparent lowest responsive and responsible Bidder, that it will, within 10 days after receipt of notice of selection, sign and deliver to JM Thompson Company the Agreement in triplicate and furnish JM Thompson all items required by the Bidding Documents. If awarded the Contract, Bidder agrees to complete the proposed Work per the schedule provided within the bidding documents.

**BASE BID: The base bid includes all work required by and in strict accordance with the bid documents for this project, for the lump sum of:**

Enter total lump sum base bid in U.S. Currency: \$\_\_\_\_\_

Written form: \_\_\_\_\_ Dollars



Proposal form for The Healing Place of New Hanover County, CM @ Risk Project

**Contractor MUST acknowledge by checking each of the boxes below to confirm they have reviewed and included the considerations for each without alteration:**

- ☐ Specifications & Drawings issued By Withers Ravenel design team
- ☐ Bid package(s) scope(s) of work
- ☐ Project Schedule
- ☐ Sub-contractor agreement
- ☐ Bid Bond (for bids over \$250,000)
- ☐ Payment & Performance Bond (for bids over \$250,000)
- ☐ Certificate(s) of Insurance
- ☐ HUB/MBE Participation & Solicitation documentation
- ☐ Safety Guidelines & plan review

**The Bidder is an:**

- ☐ Individual
- ☐ Partnership
- ☐ Corporation in the State of \_\_\_\_\_
- ☐ Other: \_\_\_\_\_

**Bidder Information:**

Bid Package Submitted: \_\_\_\_\_  
(Bid package #)

Company Name: \_\_\_\_\_  
(Legal Company name)

Signature: \_\_\_\_\_  
(Owner/Managing Partner/President/Vice President)

Name & Title: \_\_\_\_\_  
(Owner/Managing Partner/President/Vice President)

Federal ID number: \_\_\_\_\_

Attest:

By: \_\_\_\_\_

Title: \_\_\_\_\_



## BID FORM

---

Proposal Submitted for:

**Bid Package:** BP 16.2      **Description:**      **Electronic Safety & Security**

**Project:**

The Healing Place of New Hanover County  
1000 Medical Center Dr.  
Wilmington, NC 28401

**Construction Manager:**

JM Thompson Company  
1002 East Chatham St.  
Cary, North Carolina 27511

**Proposals to be delivered to:** JM Thompson Company @ 1002 E. Chatham St. Cary, NC 27511

**No later than 12:00PM - December 10, 2020**

*\*Proposals from prequalified bidders only may be hand delivered or submitted USPS, UPS, Courier, Fed Ex or other means requiring a signature. Proposals received after 12:00 PM December 10, 2020 will be considered nonresponsive and will not be opened or considered for the project. JM Thompson is NOT RESPONSIBLE for bid's delivered late.*

**Proposal submitted by:**

---

(Company name)

---

(Company Address)

(City) (State)

(Zip code)

---

(Telephone Number)

---

(Contact name)

**License #:** \_\_\_\_\_

(\*Where applicable)

Addenda Acknowledged:

Addenda #1 \_\_\_\_\_ Addenda #2 \_\_\_\_\_ Addenda #3 \_\_\_\_\_ Addenda #4 \_\_\_\_\_

**Note: All portions of this Bid Form must be completed and the Bid Form must be signed before the Bid is submitted. Failure to do so will result in the Bid being rejected as non-responsive.**

Proposal form for The Healing Place of New Hanover County, CM @ Risk Project

Bidder, represents that a) it, and all Subcontractors, regardless of tier, have the appropriate current and active Contractor's license required by the State of North Carolina and the Bidding Documents; b) it has carefully read and examined the Bidding Documents for the proposed Work on this Project; c) it has examined the site of the proposed Work and all Information Available to Bidders; d) it has become familiar with all the conditions related to the proposed Work, including the availability of labor, materials, and equipment. Bidder hereby offers to furnish all labor, materials, equipment, tools, transportation, and services necessary to complete the proposed Work on this Project in accordance with the Contract Documents for the sums quoted; e) Bidder and all Subcontractors, regardless of tier, are currently registered and /or licensed as required by appropriate municipalities. Bidder represents that the Key Personnel identified in its Prequalification submittal shall be the Bidder's personnel provided pursuant to the corresponding provisions of the contract, if the contract is awarded to the Bidder. Bidder further agrees that it will not withdraw its Bid within 90 days after the Bid Deadline, and that, if it is selected as the apparent lowest responsive and responsible Bidder, that it will, within 10 days after receipt of notice of selection, sign and deliver to JM Thompson Company the Agreement in triplicate and furnish JM Thompson all items required by the Bidding Documents. If awarded the Contract, Bidder agrees to complete the proposed Work per the schedule provided within the bidding documents.

**BASE BID: The base bid includes all work required by and in strict accordance with the bid documents for this project, for the lump sum of:**

Enter total lump sum base bid in U.S. Currency: \$\_\_\_\_\_

Written form: \_\_\_\_\_Dollars



Proposal form for The Healing Place of New Hanover County, CM @ Risk Project

**Contractor MUST acknowledge by checking each of the boxes below to confirm they have reviewed and included the considerations for each without alteration:**

- ☐ Specifications & Drawings issued By Withers Ravenel design team
- ☐ Bid package(s) scope(s) of work
- ☐ Project Schedule
- ☐ Sub-contractor agreement
- ☐ Bid Bond (for bids over \$250,000)
- ☐ Payment & Performance Bond (for bids over \$250,000)
- ☐ Certificate(s) of Insurance
- ☐ HUB/MBE Participation & Solicitation documentation
- ☐ Safety Guidelines & plan review

**The Bidder is an:**

- ☐ Individual
- ☐ Partnership
- ☐ Corporation in the State of \_\_\_\_\_
- ☐ Other: \_\_\_\_\_

**Bidder Information:**

Bid Package Submitted: \_\_\_\_\_  
(Bid package #)

Company Name: \_\_\_\_\_  
(Legal Company name)

Signature: \_\_\_\_\_  
(Owner/Managing Partner/President/Vice President)

Name & Title: \_\_\_\_\_  
(Owner/Managing Partner/President/Vice President)

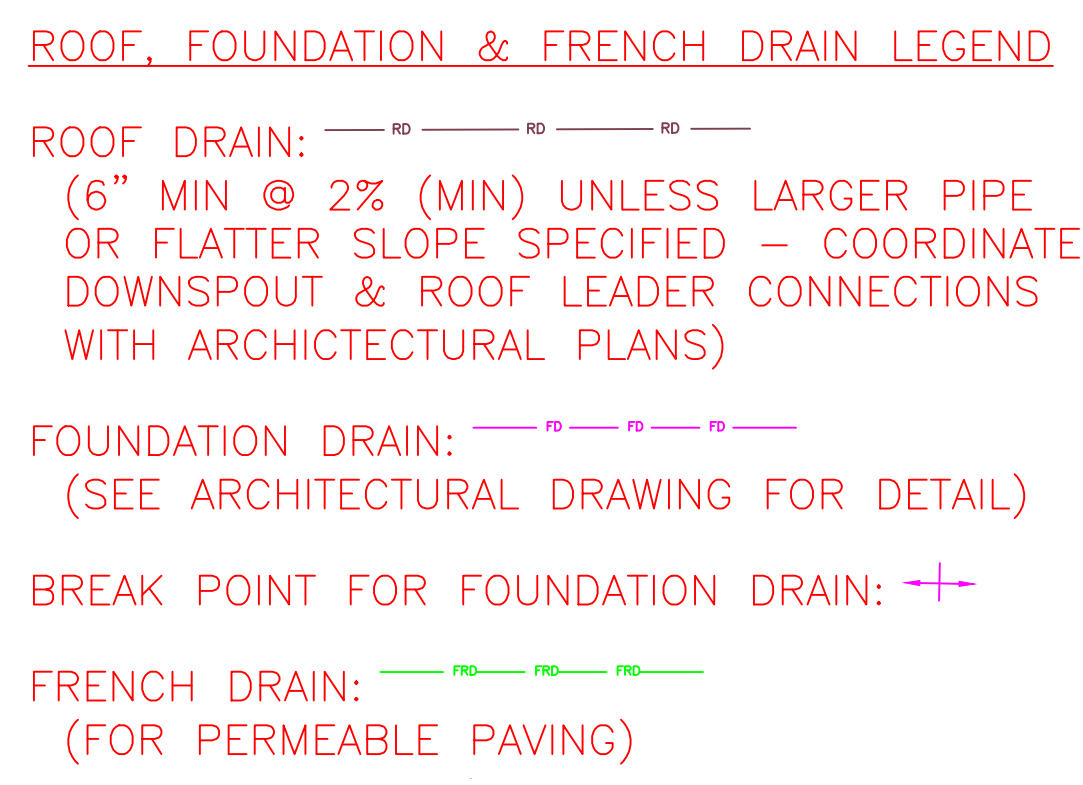
Federal ID number: \_\_\_\_\_

Attest:

By: \_\_\_\_\_

Title: \_\_\_\_\_











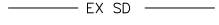







**TREE PROTECTION NOTE:**

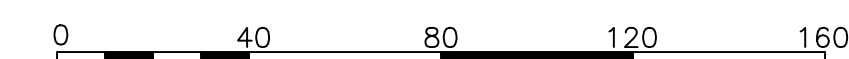
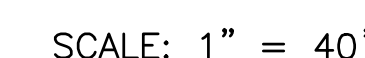
NO CONSTRUCTION EQUIPMENT IS ALLOWED ON THE SITE UNTIL ALL TREE PROTECTION FENCING AND SILT FENCING HAS BEEN INSTALLED AND APPROVED.

PIPE TABLE					
UPSTREAM STRUCTURE	DOWNSIDE STRUCTURE	SIZE	LENGTH	SLOPE	MATERIAL
Y#10	Y#9	18"	70.6'0"	0.50%	RCP
Y#15	Y#10	18"	157.13'	0.50%	RCP
Y#16	Y#15	15"	108.80'	0.50%	RCP
Y#17	Y#16	15"	183.96'	0.50%	RCP
Y#11	Y#10	18"	147.33'	0.50%	RCP
C#12	Y#11	18"	66.12'	0.50%	RCP
C#4	J#3	16"	72.10'	0.51%	RCP
C#5	C#4	15"	22.90'	0.51%	RCP
J#3	EX C	18"	13.54'	0.52%	RCP
J#8	EX C#7	18"	13.17'	0.99%	RCP
C#13	C#12	18"	19.86'	0.50%	RCP
Y#14	C#13	12"	85.87'	0.50%	RCP
Y#16	Y#35	15"	67.81'	0.60%	RCP

1. CONTRACTOR SHALL MAINTAIN ALL WEATHER ACCESS FOR EMERGENCY VEHICLES AT ALL TIMES DURING CONSTRUCTION.
2. NEW HYDRANT MUST BE BROUGHT TO THE SERVICE PRIOR TO COMBUSTIBLE MATERIAL BEING DELIVERED TO THE JOB SITE.
3. HYDRANT MUST BE WITHIN 150' OF THE FDC (MEASURED AS THE TRUCK DRIVES) FOR THE FDC.
4. FDC MUST BE WITHIN 40' OF FIRE APPARATUS PLACEMENT.
5. LANDSCAPING OR PARKING CANOBARD OR IMPEDE THE FDC OR FIRE DRIVWAYS. 15-FOOT CLEARANCE MUST BE MAINTAINED AROUND THE CIRCUMFERENCE OF THE HYDRANT AND FDC.
6. ADDITIONAL FIRE PROTECTION AND ACCESSIBILITY REQUIREMENTS MAY BE REQUIRED DUE TO, AND BE SUBJECT TO, THE TYPE OF CONSTRUCTION.
7. PRIVATE UNDERGROUND FIRE LINES REQUIRE A SEPARATE UNDERGROUND FIRE LINE PERMIT FROM THE WILMINGTON FIRE AND LIFE SAFETY DIVISION.
8. 101-34.005
9. CONTRACTOR SHALL SUBMIT A RADIO SIGNAL STRENGTH STUDY FOR ALL EXISTING BUILDINGS AND ALL NEW BUILDINGS TO BE CONSTRUCTED. RADIO SIGNAL LEVELS MEET SECTION 510 REQUIREMENTS OF THE 2018 NC FIRE CODE.
10. ALL ISOLATION VALVES WITHIN THE "HOT BOX" SHALL BE ELECTRICALLY SUPERVISED.

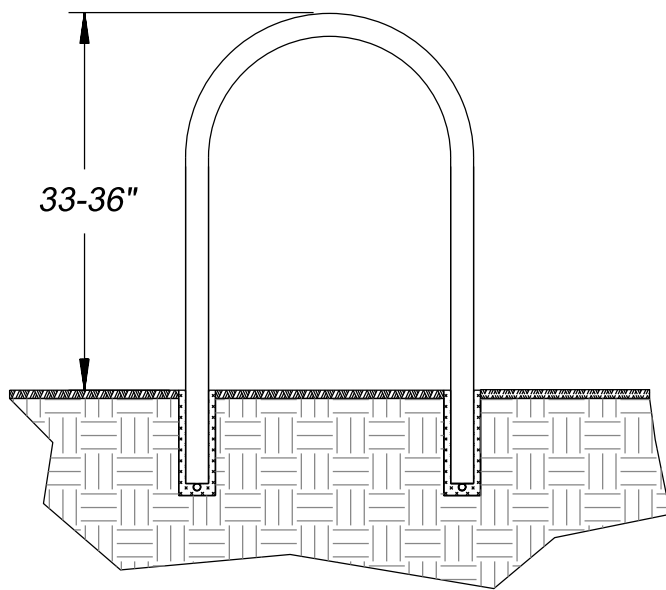
## LEGEND

	PROPERTY BOUNDARY
	EX. ADJ. LOT LINE
	EX. EASEMENTS
	EX. SAN SEWER LINE
	EX. WATER LINE
	EX. STORM DRAIN LINE
	NEW SAN SEWER LINE
	NEW WATER LINE
	NEW STORM DRAIN LINE
	NEW ROOF DRAIN LINE
	EX. WETLANDS
	TOPO MAJOR
	TOPO MINOR
	STREET ADDRESS

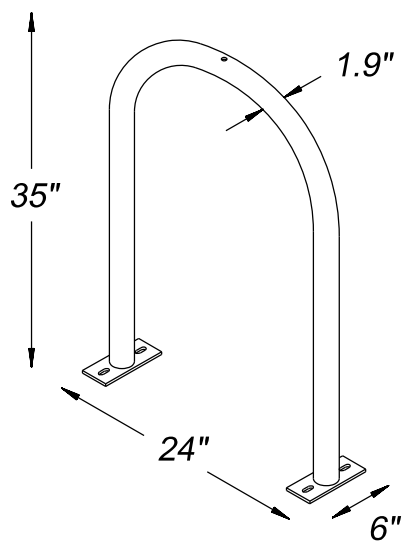
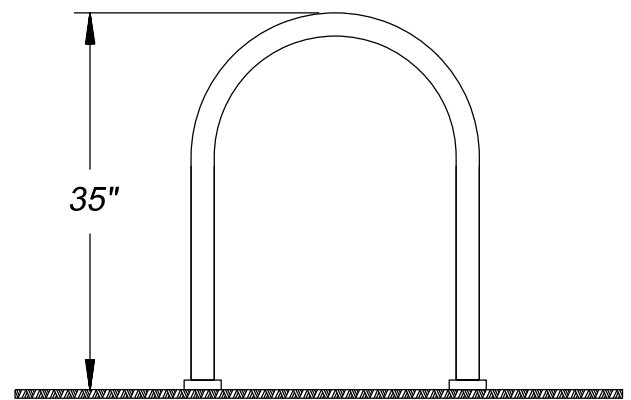




## IN-GROUND MOUNT



## SURFACE MOUNT



## STANDARD BIKE RACK

## BIKE RACK INSTALLATION:

SURFACE MOUNT - WHEN INSTALLED ON CONCRETE SURFACE, USE 3/8" ANCHORS TO PLATE MOUNT. SHIM AS NECESSARY TO ENSURE VERTICAL PLACEMENT.

IN-GROUND MOUNT - WHEN INSTALLED ON  
PAVERS OR OTHER NON-STABLE SURFACES,  
EMBED INTO BASE. CORE HOLES NO LESS  
THAN 3" IN DIAMETER AND 10" DEEP.

CITY OF RALEIGH	
STANDARD DETAIL	
REVISIONS	DATE: 8/2020 NOT TO SCALE
	BIKE RACK DETAILS
	<b>B-20.03</b>

HOOD INFORMATION — JOB#4505267

HOOD NO	TAG	MODEL	LENGTH	MAX COOKING TEMP	TYPE	APPLIANCE DUTY	DESIGN CFM/FT	TOTAL EXH CFM	EXHAUST PLENUM RISER(S)							TOTAL SUPPLY CFM	HOOD CONSTRUCTION	HOOD CONFIG	
									WIDTH	LENG	HEIGHT	DIA	CFM	VEL	SP			END TO END	ROW
1	HD-1; Left	6024 ND-2-PSP-F	10' 8'	600 DEG	I	HEAVY	275	2933			4'	16"	2933	2101	-1.251'	2346	430 SS WHERE EXPOSED	LEFT	ALONE
2	HD-2; Right	6024 ND-2-PSP-F	12' 0'	600 DEG	I	HEAVY	250	3000			4'	18"	3000	1698	-0.951'	2400	430 SS WHERE EXPOSED	RIGHT	ALONE

HOOD INFORMATION

HOOD NO	TAG	FILTER(S)					LIGHT(S)					UTILITY CABINET(S)				FIRE SYSTEM HANGING PIPING	HOOD HANGING WEIGHT
		TYPE	QTY	HEIGHT	LENGTH	EFFICIENCY @ 7 MICRONS	QTY	TYPE	WIRE GUARD	LOCATION	SIZE	FIRE SYSTEM TYPE	SIZE	ELECTRICAL MODEL #	SWITCHES QUANTITY		
1	HD-1; Left	CAPTRATE SOLD FILTER	8	20"	16"	85% SEE FILTER SPEC	4	L55 SERIES E26	NO	LEFT	12"x60"x24"	ANSUL R102	3.0/3.0/1.5	DCV-1111	1 LIGHT 1 FAN	YES	826 LBS
2	HD-2; Right	CAPTRATE SOLD FILTER	9	20"	16"	85% SEE FILTER SPEC	4	L55 SERIES E26	NO							YES	698 LBS

HOOD OPTIONS

HOOD NO	TAG	OPTION
1	HD-1; Left	FIELD WRAPPER 18.00" HIGH FRONT, LEFT.
		BACKSPLASH 122.00" HIGH X 303.00" LONG 430 SS VERTICAL.
		BALANCE DAMPERS.
		RISER SENSOR INSTALL 3IN DBL.
2	HD-2; Right	FIELD WRAPPER 18.00" HIGH FRONT, RIGHT.
		RIGHT SIDESPLASH 122.00" HIGH X 78.00" LONG 430 SS VERTICAL.
		RIGHT END STANDOFF (FINISHED) 1" WIDE 60" LONG INSULATED.
		BALANCE DAMPERS.
		RISER SENSOR INSTALL 3IN DBL.

PERFORATED SUPPLY PLENUM(S)

HOOD NO	TAG	PDS	LENGTH	WIDTH	HEIGHT	TYPE	RISER(S)				
							WIDTH	LENG	DIA	CFM	SP
1	HD-1; Left	Front	140"	18"	6'	MUA	12"	28"		782	0.228"
						MUA	12"	28"		782	0.228"
						MUA	12"	28"		782	0.228"
						MUA	12"	28"		800	0.238"
2	HD-2; Right	Front	145"	18"	6'	MUA	12"	28"		800	0.238"
						MUA	12"	28"		800	0.238"
						MUA	12"	28"		800	0.238"
						MUA	12"	28"		800	0.238"

SPECIFICATION: CAPTRATE® GREASE-STOP® SOLD FILTER

THE CAPTRATE GREASE-STOP SOLD FILTER IS A SINGLE-STAGE FILTER FEATURING A UNIQUE S-Baffle DESIGN IN CONJUNCTION WITH A SLOTTED REAR Baffle DESIGN, TO DELIVER EXCEPTIONAL FILTRATION EFFICIENCY.

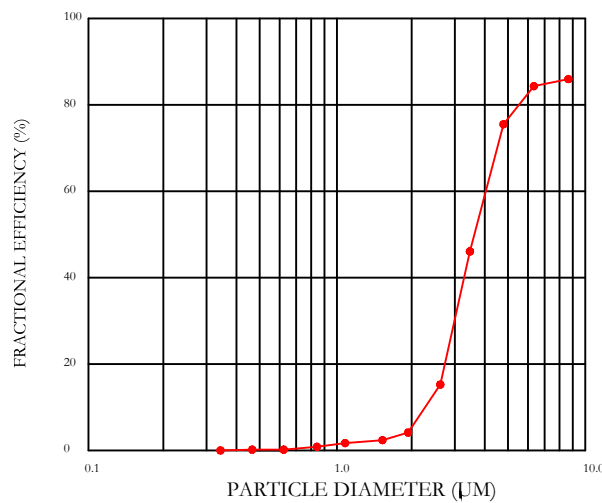
FILTER IS STAINLESS STEEL CONSTRUCTION, AND SIZED TO FIT INTO STANDARD 2-INCH DEEP HOOD CHANNEL(S).

UNITS SHALL INCLUDE STAINLESS STEEL HANDLES AND A FASTENING DEVICE TO SECURE THE TWO COMPONENTS WHEN ASSEMBLED.

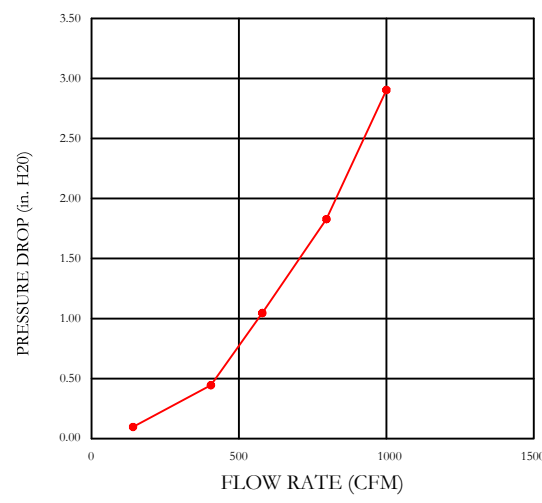
GREASE EXTRACTION EFFICIENCY PERFORMANCE SHALL REMOVE AT LEAST 75% OF GREASE PARTICLES FIVE MICRONS IN SIZE, AND 85% GREASE PARTICLES SEVEN MICRONS IN SIZE AND LARGER, WITH A CORRESPONDING PRESSURE DROP NOT TO EXCEED 1.0 INCHES OF WATER GAUGE.

THE CAPTRATE GREASE-STOP SOLD WAS TESTED TO ASTM STANDARD ASTM F2519-05. MANUFACTURER APPROVED FOR USE IN SOLID FUEL APPLICATIONS AS A SPARK ARRESTER.

EFFICIENCY VS. PARTICLE DIAMETER



PRESSURE DROP VS. FLOW RATE



CAPTRATE FILTERS ARE BUILT IN COMPLIANCE WITH:  
NFPA #96.  
NSF STANDARD #2.  
UL STANDARD #1046.  
INT. MECH. CODE (IMC).  
ULC-S649.



PATENT NUMBERS

AC-PSP (UNITED STATES) - US PATENT 7,963,830 B2  
AC-PSP WALL (CANADA) - CA PATENT 2,886,899 A1  
AC-PSP ISLAND (CANADA) - CA PATENT 2,886,899 A1

HOODS SHIPPED WITH U-TRIM TO CAP PERFORMANCES OF CONTINUOUS CAPTURE OUTLETS, BUT U-TRIM TO LENGTH AND DRY FIT FIRST, THEN REMOVE U-TRIM, APPLY SILVER SILICONE CAULKING TO RAW EDGES, AND CAP WITH FITTED PIECES OF U - TRIM.

BALANCE DAMPERS.

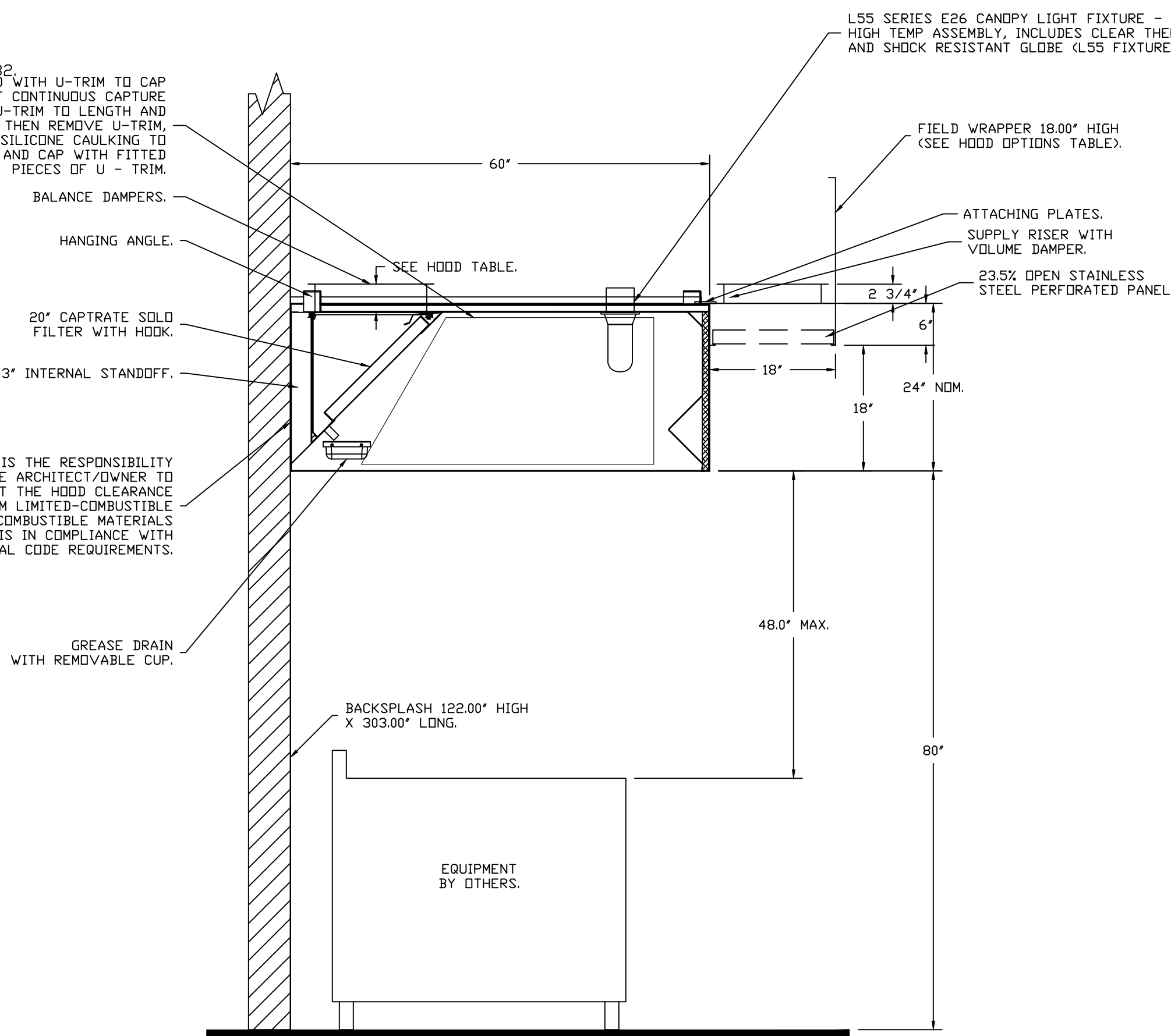
HANGING ANGLE.

20" CAPTRATE SOLD FILTER WITH HOOK.

3" INTERNAL STANDOFF.

IT IS THE RESPONSIBILITY OF THE ARCHITECT/OWNER TO ENSURE THAT THE HOOD CLEARANCE FROM LIMITED-COMBUSTIBLE AND COMBUSTIBLE MATERIALS IS IN COMPLIANCE WITH LOCAL CODE REQUIREMENTS.

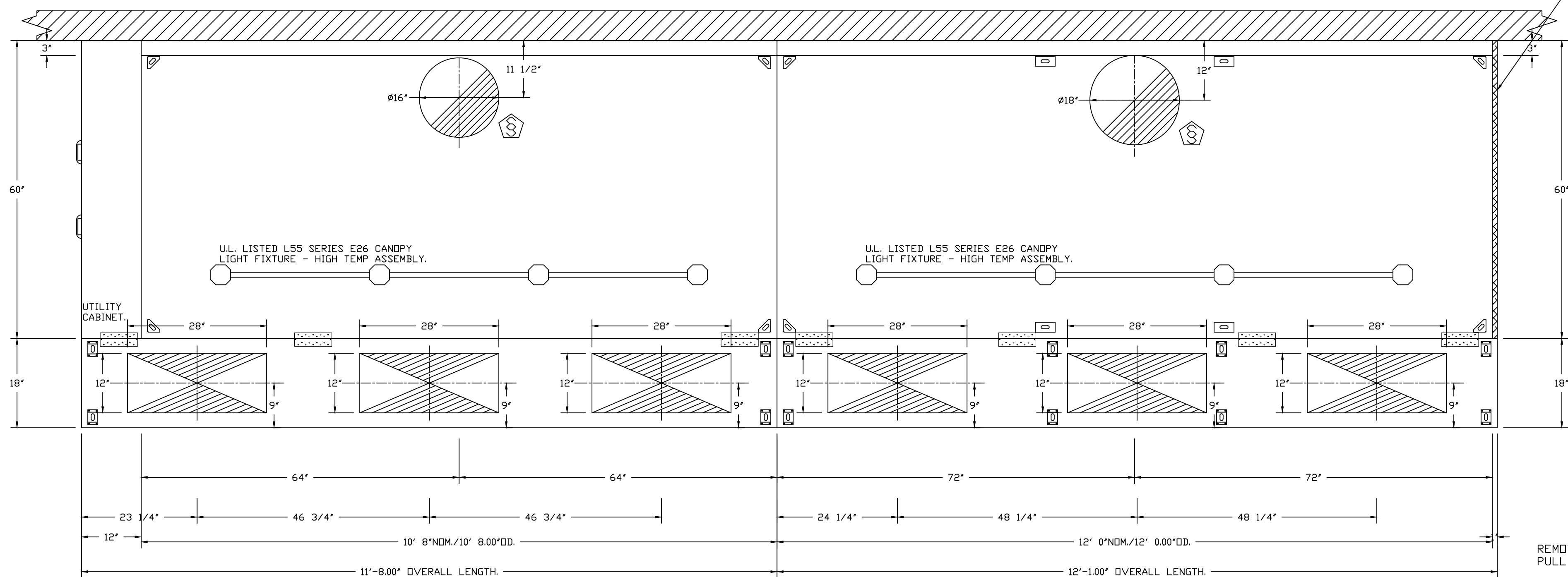
GREASE DRAIN WITH REMOVABLE CUP.



SECTION VIEW — MODEL 6024ND-2-PSP-F  
HOOD — #1 (HD-1; Left)

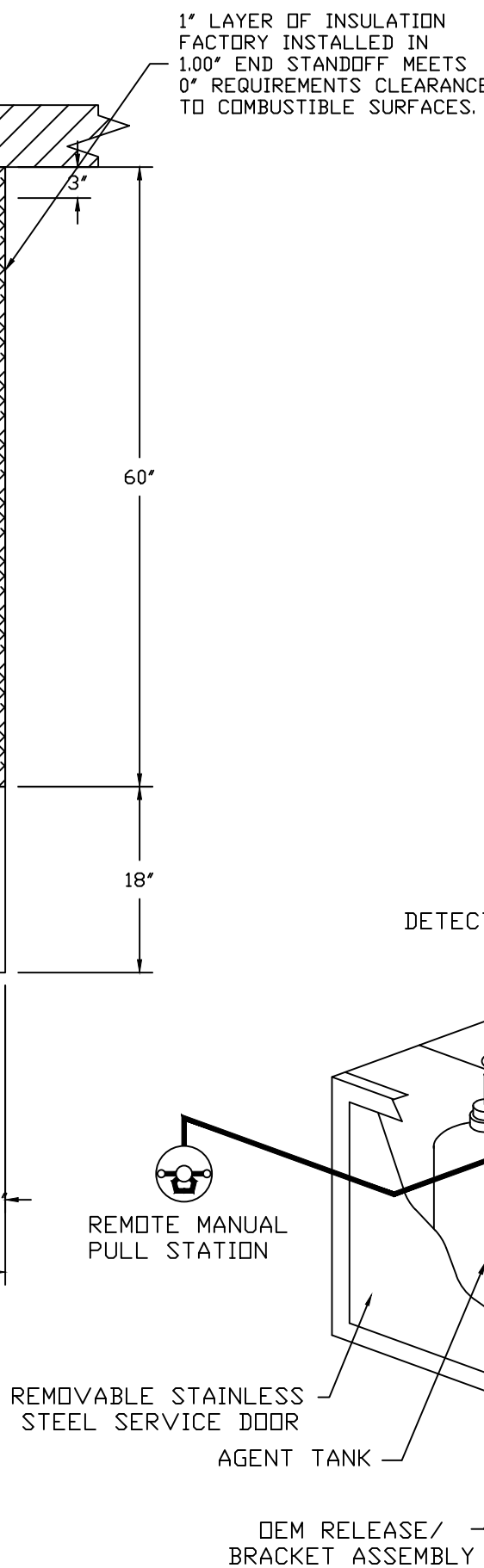
FIRE SYSTEM INFORMATION — JOB#4505267

FIRE SYSTEM NO	TAG	TYPE	SIZE	FLOW POINTS	INSTALLATION	
					SYSTEM	LOCATION ON HOOD
1		ANSUL R102	3.0/3.0/1.5	16	FIRE CABINET LEFT	LEFT, HOOD 1



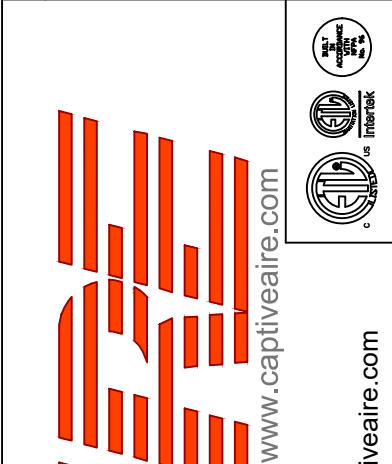
PLAN VIEW — HOOD #1 (HD-1; Left)  
10' 8.00" LONG 6024ND-2-PSP-F

PLAN VIEW — HOOD #2 (HD-2; Right)  
12' 0.00" LONG 6024ND-2-PSP-F  
NOTE: ADDITIONAL HANGING ANGLES PROVIDED FOR HOODS 12" AND LONGER.



TYPICAL ANSUL R-102 SYSTEM LAYOUT

REVISIONS	
DESCRIPTION	DATE



Heating Places v3090220  
WILMINGTON, NC, 28402

DATE: 9/4/2020
DWG.#: 4505267
DRAWN BY: MHB - 16
SCALE: 3/4" = 1'-0"
MASTER DRAWING
SHEET NO. 1



EXHAUST FAN INFORMATION – JOB#4505267

FAN UNIT NO	TAG	QTY	FAN UNIT MODEL #	CFM	ESP	RPM	MOTOR ENCL	HP	BHP	Ø	VOLT	FLA	DISCHARGE VELOCITY	WEIGHT (LBS)	SONES
1		1	DU300HFA	5933	1,400	701	DDP,PREMIUM	5,000	2,4700	3	208	15.8	924 FPM	480	14.9

MUA FAN INFORMATION – JOB#4505267

FAN UNIT NO	TAG	QTY	FAN UNIT MODEL #	BLOWER	HOUSING	MIN CFM	DESIGN CFM	ESP	RPM	MOTOR ENCL	HP	BHP	Ø	VOLT	FLA	MCA	MOCP	WEIGHT (LBS)	SONES
2		1	A2-D.250-20D	20MF-2-MDD	A2-D.250	2500	4746	0.500	1730	DDP,PREMIUM	5,000	3,0200	3	208	15.0	18.8A	30A	710	18.5

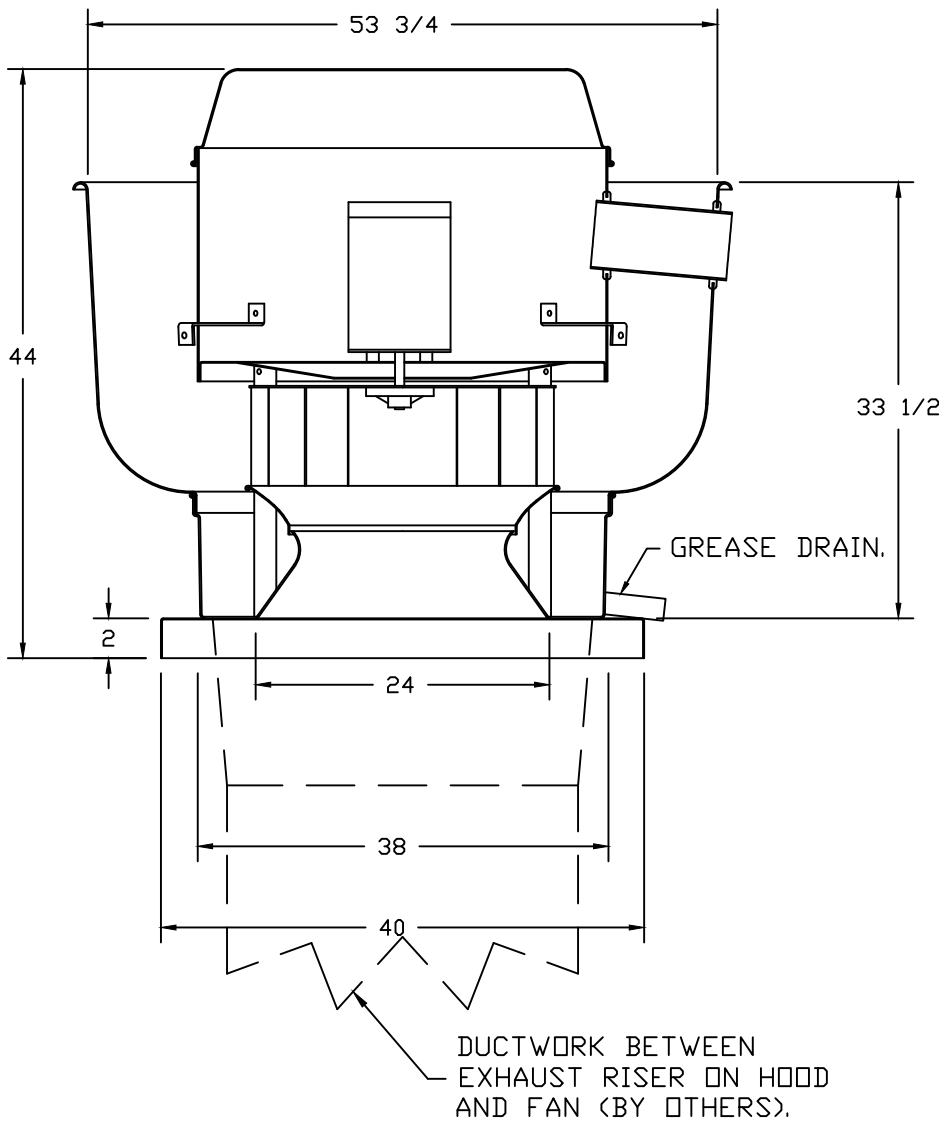
GAS FIRED MAKE-UP AIR UNIT(S)

FAN UNIT NO	TAG	INPUT BTUs	OUTPUT BTUs	TEMP RISE	REQUIRED INPUT GAS PRESSURE	GAS TYPE	BURNER EFFICIENCY(%)
2		273915	252002	50°F	7 IN. W.C. – 14 IN. W.C.	NATURAL	92

FAN OPTIONS

FAN UNIT NO	TAG	QTY	DESCRIPTION
1		1	GREASE BOX.
2		1	AC INTERLOCK RELAY – 24VAC COIL.
		1	MOTORIZED BACKDRAFT DAMPER FOR A2-D HOUSING.
		1	LOW FIRE START.
		1	INLET PRESSURE GAUGE, 0-35".
		1	MANIFOLD PRESSURE GAUGE, -5 TO 15" W.C.
		1	SEPARATE 120V WIRING PACKAGE (REQUIRED AND USED ONLY FOR DCV OR PREWIRE WITH VFD) – THREE PHASE ONLY.

FAN #1 DU300HFA – EXHAUST FAN



FEATURES:

- DIRECT DRIVE CONSTRUCTION (NO BELTS/PULLEYS).
- ROOF MOUNTED FANS.
- RESTAURANT MODEL.
- UL705 AND UL762 AND ULC-S645
- VARIABLE SPEED CONTROL.
- INTERNAL WIRING.
- WEATHERPROOF DISCONNECT.
- THERMAL OVERLOAD PROTECTION (SINGLE PHASE).
- HIGH HEAT OPERATION 300°F (149°C).
- GREASE CLASSIFICATION TESTING

NORMAL TEMPERATURE TEST

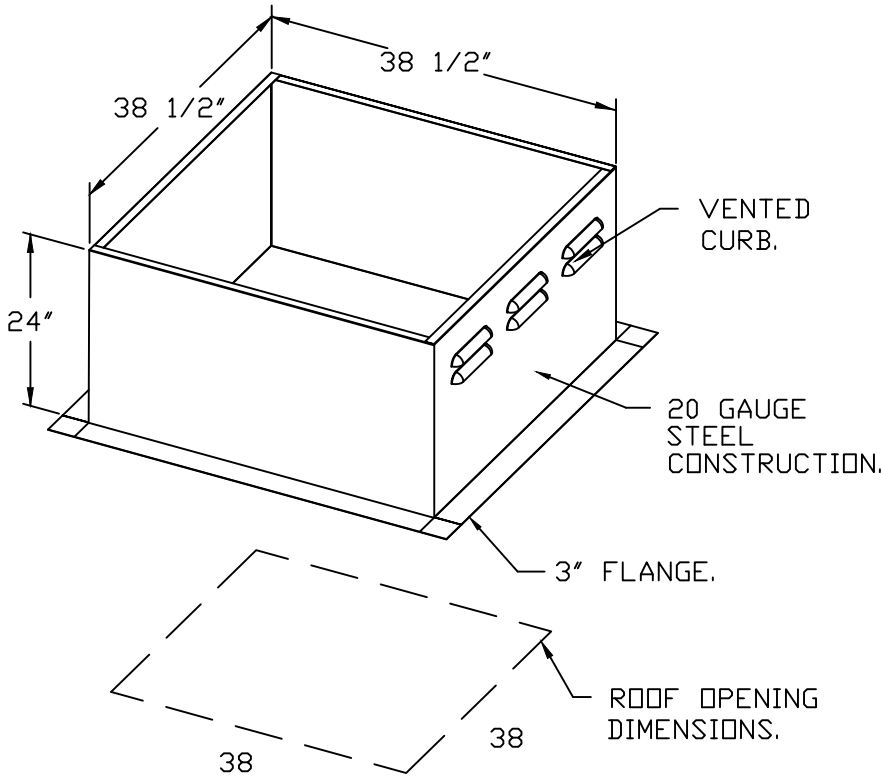
EXHAUST FAN MUST OPERATE CONTINUOUSLY WHILE EXHAUSTING AIR AT 300°F (149°C) UNTIL ALL FAN PARTS HAVE REACHED THERMAL EQUILIBRIUM, AND WITHOUT ANY DETERIORATING EFFECTS TO THE FAN WHICH WOULD CAUSE UNSAFE OPERATION.

ABNORMAL FLARE-UP TEST

EXHAUST FAN MUST OPERATE CONTINUOUSLY WHILE EXHAUSTING BURNING GREASE VAPORS AT 600°F (316°C) FOR A PERIOD OF 15 MINUTES WITHOUT THE FAN BECOMING DAMAGED TO ANY EXTENT THAT COULD CAUSE AN UNSAFE CONDITION.

OPTIONS

GREASE BOX.



PITCHED CURBS ARE AVAILABLE FOR PITCHED ROOFS.

SPECIFY PITCH:

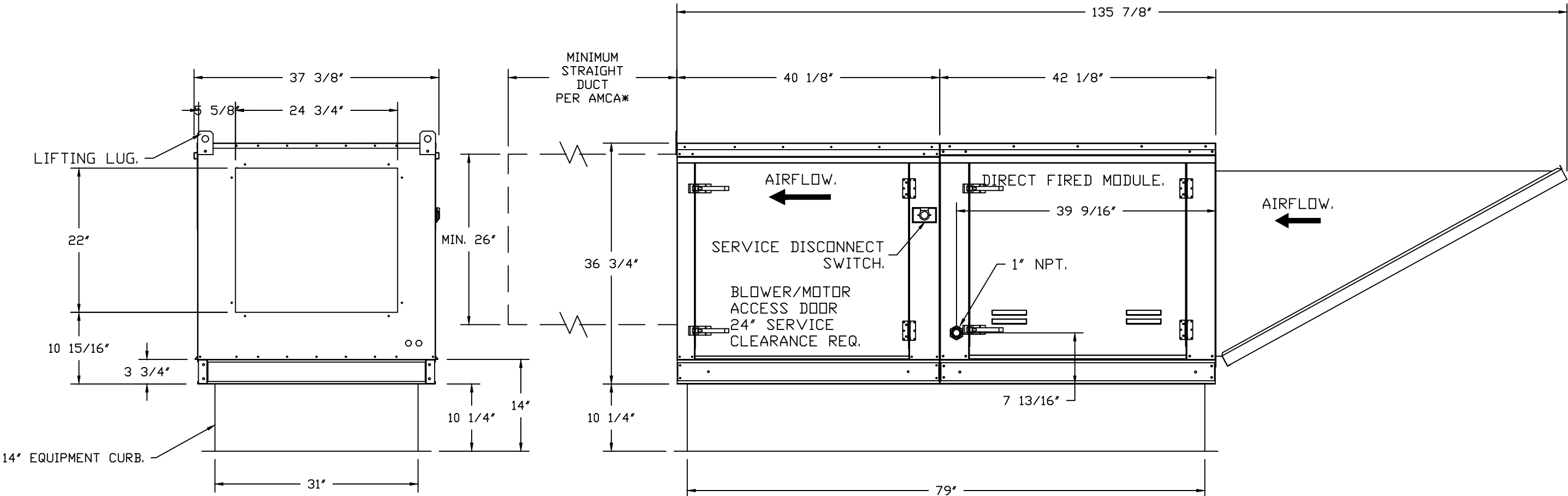
EXAMPLE: 7/12 PITCH = 30° SLOPE.



FAN #2 A2-D.250-20D – HEATER

1. DIRECT GAS FIRED HEATED MAKE UP AIR UNIT WITH 20" DIRECT DRIVE FAN.
2. INTAKE HOOD WITH EZ FILTERS.
3. SIDE DISCHARGE – AIR FLOW RIGHT -> LEFT.
4. COOLING INTERLOCK RELAY. 24VAC COIL. 120V CONTACTS. LOCKS OUT BURNER CIRCUIT WHEN AC IS ENERGIZED.
5. MOTORIZED BACK DRAFT DAMPER 22.75" X 24" FOR SIZE 2 STANDARD & MODULAR HEATER UNITS W/EXTENDED SHAFT, STANDARD GALVANIZED CONSTRUCTION, 3/4" REAR FLANGE, LOW LEAKAGE, LF120S ACTUATOR INCLUDED.
6. LOW FIRE START. ALLOWS THE BURNER CIRCUIT TO ENERGIZE WHEN THE MODULATION CONTROL IS IN A LOW FIRE POSITION.
7. GAS PRESSURE GAUGE, 0-35", 2.5" DIAMETER, 1/4" THREAD SIZE.
8. GAS PRESSURE GAUGE, -5 TO +15 INCHES W.C., 2.5" DIAMETER, 1/4" THREAD SIZE.
9. SEPARATE 120VAC WIRING PACKAGE FOR MAKE-UP AIR UNITS. OPTION MUST BE SELECTED WHEN MOUNTING VFD IN PREWIRE PANEL OR WITH DCV PACKAGE. PROVIDES SEPARATE 120VAC INPUT TO SUPPLY FAN. THIS 120V SIGNAL MUST BE RUN BY ELECTRICIAN FROM DCV TO MUA SWITCH.
10. HINGED DOUBLE WALL INSULATED DOOR ASSEMBLY (BURNER/BLOWER SECTION).

NOTE: SUPPLY DUCT MUST BE INSTALLED TO MEET SMACNA STANDARDS. A MINIMUM STRAIGHT DUCT LENGTH MUST BE MAINTAINED DOWNSTREAM OF UNIT DISCHARGE AS OUTLINED IN AMCA PUBLICATION 201. WHEN USING RECTANGULAR DUCTWORK, ELBOWS MUST BE RADIUS THROAT, RADIUS BACK WITH TURNING VANES. FLEXIBLE DUCTWORK AND SQUARE THROAT/SQUARE BACK ELBOWS SHOULD NOT BE USED. ANY TRANSITION AND/OR TURNS IN THE DUCTWORK WILL CAUSE SYSTEM EFFECT. SYSTEM EFFECT WILL DRASTICALLY INCREASE STATIC PRESSURE AND REDUCE AIRFLOW. DO NOT RELY ON UNIT TO SUPPORT DUCT IN ANY WAY. FAILURE TO PROPERLY SIZE DUCTWORK MAY CAUSE SYSTEM EFFECTS AND REDUCE PERFORMANCE OF THE EQUIPMENT. SUGGESTED STRAIGHT DUCT SIZE IS 26" x 26".



REVISIONS

DESCRIPTION	DATE:
Δ	
Δ	
Δ	
Δ	

Blue Ridge

www.captiveaire.com

607 5th St. NW, Hickory, NC 28601 PHONE: (800) 445-1889 FAX: (919) 227-5993 EMAIL: reg16@captiveaire.com

Heating Places v3090220

WILMINGTON, NC, 28402

DATE: 9/4/2020

DWG.#: 4505267

DRAWN BY: MHB – 16

SCALE: 3/4" = 1'-0"

MASTER DRAWING

SHEET NO.

2

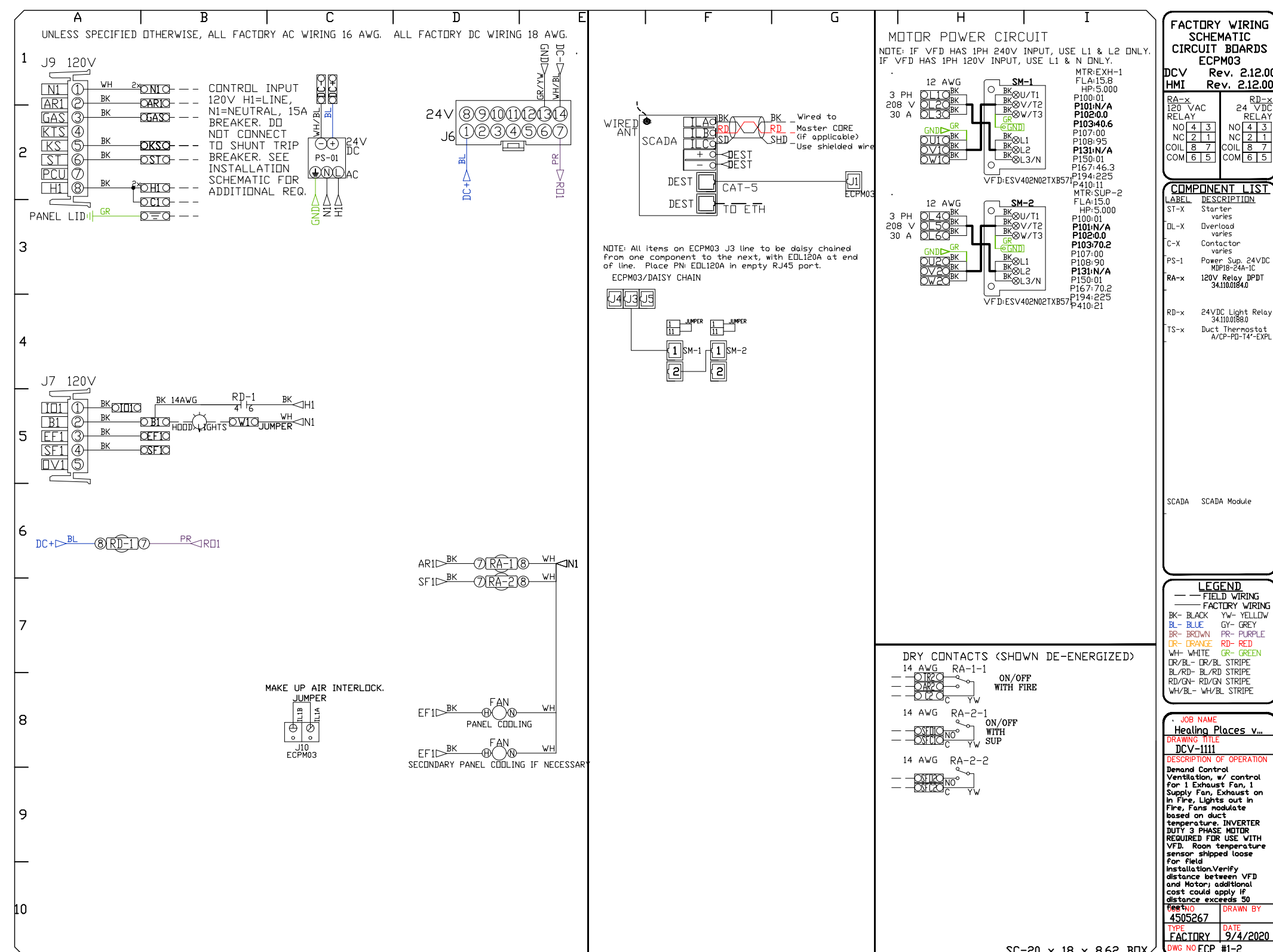
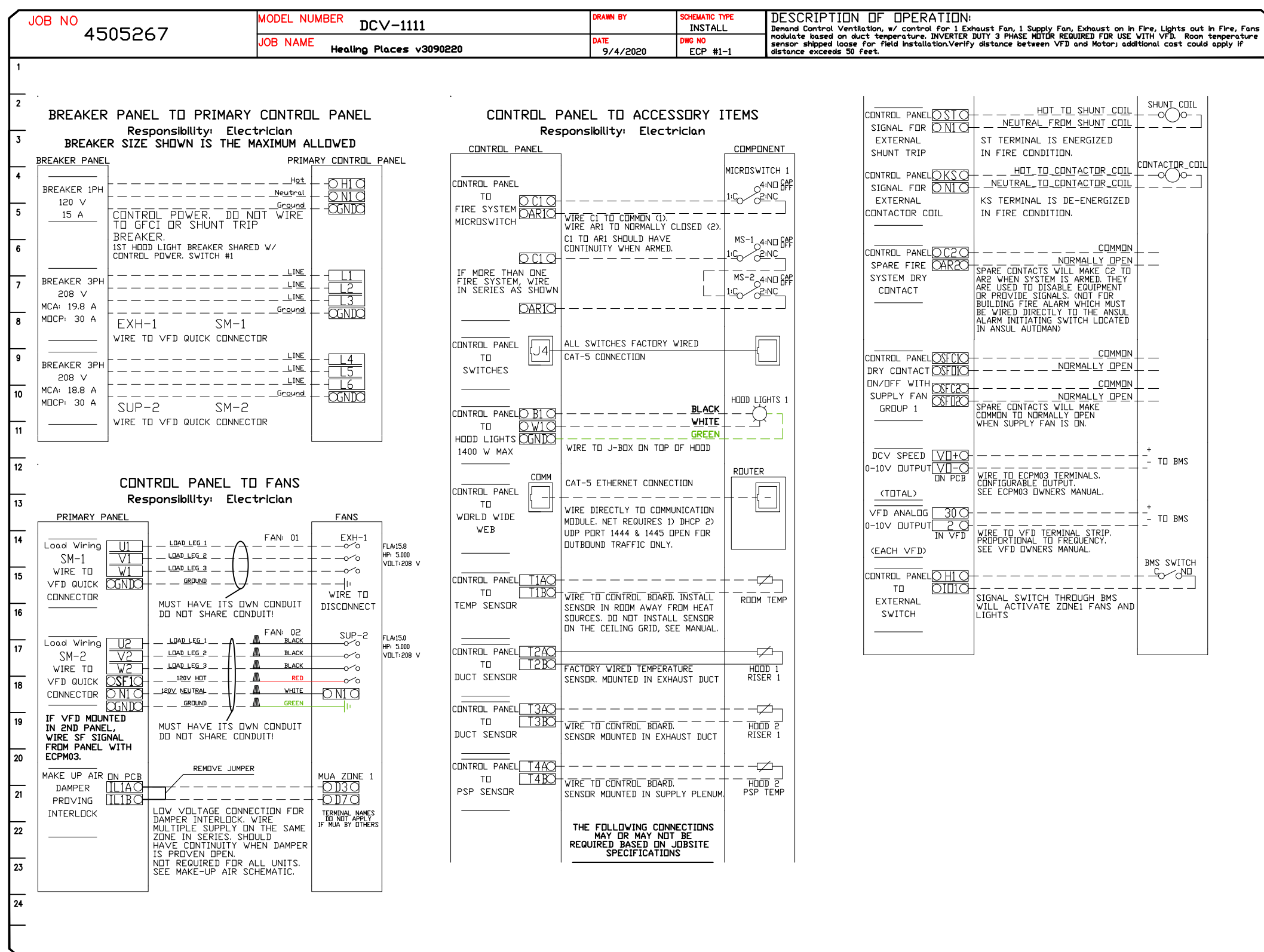


NO	TAG	PACKAGE #	LOCATION	SWITCHES		OPTION	FANS CONTROLLED				
				LOCATION	QUANTITY		TYPE	Φ	HQ	VOLT	FLA
1		DCV-1111	UTILITY CABINET LEFT	03 - UTILITY CABINET LEFT	1 LIGHT	SMART CONTROLS DCV	EXHAUST	3	5,000	208	15.8
				HOOD # 1	1 FAN		SUPPLY	3	5,000	208	15.0

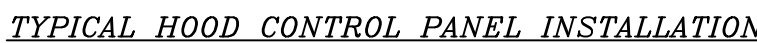


- Hood control panel to support communications to cloud-based Building Management System.
- Hood Control Panel to allow cloud-based Building Management System to monitor real time parameters outlined as MONITOR in the points list.
- Hood Control Panel to allow cloud-based Building Management System to control parameters outlined as CONTROL in the points list.
- Hood Control Panel to allow cloud-based Building Management System to implement SYSTEM ECONOMIZER control strategies for fully integrated Building Management.

DCV Packages	Function	SC Packages	Function
Room Temperature	MONITOR	Room Temperature(s)	MONITOR
Duct Temperature(s)	MONITOR	Duct Temperature(s)	MONITOR
MUA Discharge Temperature	MONITOR	MUA Discharge Temperature	MONITOR
RiChen RTU Discharge Temperature	MONITOR	RiChen RTU Discharge Temperature	MONITOR
Fan Speed	MONITOR	Controler Faults	MONITOR
Fan Amperage	MONITOR	Fan Faults	MONITOR
Fan Power	MONITOR	Fan Status	MONITOR
YFD Faults	MONITOR	PCU Faults	MONITOR
Controler Faults	MONITOR	PCU Filter Clog Percentages	MONITOR
Fan Faults	MONITOR	Fire Condition	MONITOR
Fan Status	MONITOR	CORE Fire System	MONITOR
PCU Faults	MONITOR	Building Pressures	MONITOR
PCU Filter Clog Percentages	MONITOR	Fans Button(s)	MONITOR & CONTROL
Fire Condition	MONITOR	Lights Button(s)	MONITOR & CONTROL
CORE Fire System	MONITOR	Yash Button	MONITOR & CONTROL
Building Pressures	MONITOR		
Prep Time Button	MONITOR & CONTROL		
Fans Button	MONITOR & CONTROL		
Lights Button	MONITOR & CONTROL		
Yash Button	MONITOR & CONTROL		

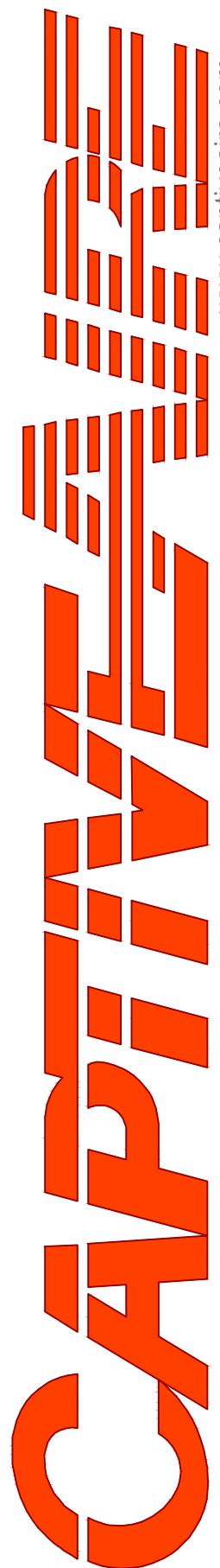


- THE CONTROL ENCLOSURE SHALL BE LISTED BY ETL (UL 508A) AND SHALL COMPLY WITH DEMAND VENTILATION SYSTEM TURNDOWN REQUIREMENTS OUTLINED IN IECC 403.2.8 (2015).
- THE CONTROL ENCLOSURE SHALL BE NEMA 1 RATED AND LISTED FOR INSTALLATION INSIDE OF THE EXHAUST HOOD UTILITY CABINET. THE CONTROL ENCLOSURE MAY BE CONSTRUCTED OF STAINLESS STEEL OR PAINTED STEEL.
- TEMPERATURE PROBE(S) LOCATED IN THE EXHAUST DUCT RISER(S) SHALL BE CONSTRUCTED OF STAINLESS STEEL.
- A DIGITAL CONTROLLER SHALL BE PROVIDED TO ACTIVATE THE HOOD EXHAUST FANS DYNAMICALLY BASED ON A FIXED DIFFERENTIAL BETWEEN THE AMBIENT AND DUCT TEMPERATURES SENSORS. THIS FUNCTION SHALL MEET THE REQUIREMENTS OF IMC 507.1.1.
- A DIGITAL CONTROLLER SHALL PROVIDE ADJUSTABLE HYSTERESIS SETTINGS TO PREVENT CYCLING OF THE FANS AFTER THE COOKING APPLIANCES HAVE BEEN TURNED OFF AND/OR THE HEAT IN THE EXHAUST SYSTEM IS REDUCED.
- A DIGITAL CONTROLLER SHALL PROVIDE AN ADJUSTABLE MINIMUM FAN RUN-TIME SETTING TO PREVENT FAN CYCLING.
- VARIABLE FREQUENCY DRIVES (VFDs) SHALL BE PROVIDED FOR FANS AS REQUIRED. THE DIGITAL CONTROLLER SHALL MODULATE THE VFDs BETWEEN A MINIMUM SETPOINT AND A MAXIMUM SETPOINT ON DEMAND. THE DUCT TEMPERATURE SENSOR INPUT(S) TO THE DIGITAL CONTROLLER SHALL BE USED TO CALCULATE THE SPEED REFERENCE SIGNAL.
- THE VFD SPEED RANGE OF OPERATION SHALL BE FROM 0% TO 100% FOR THE SYSTEM, WITH THE ACTUAL MINIMUM SPEED SET AS REQUIRED TO MEET MINIMUM VENTILATION REQUIREMENTS.
- AN INTERNAL ALGORITHM TO THE DIGITAL CONTROLLER SHALL MODULATE SUPPLY FAN VFD SPEED PROPORTIONAL TO ALL EXHAUST FANS THAT ARE LOCATED IN THE SAME FAN GROUP AS THE SUPPLY FAN.
- THE SYSTEM SHALL OPERATE IN PREP MODE DURING LIGHT COOKING LOAD OR COOL DOWN MODE WHEN SUFFICIENT HEAT REMAINS UNDERNEATH THE HOOD SYSTEM AFTER COOKING OPERATIONS HAVE COMPLETED. OPERATION DURING EITHER OF THESE PERIODS WILL DISABLE THE SUPPLY FANS AND PROVIDE AN EXHAUST FAN SPEED THAT IS EQUAL TO THE MINIMUM VENTILATION REQUIREMENT.
- A DIGITAL CONTROLLER SHALL DISABLE THE SUPPLY FAN(S), ACTIVATE THE EXHAUST FAN(S), ACTIVATE THE APPLIANCE SHUNT TRIP, AND DISABLE AN ELECTRIC GAS VALVE AUTOMATICALLY WHEN FIRE CONDITION IS DETECTED ON A COVERED HOOD.
- A DIGITAL CONTROLLER SHALL ALLOW FOR EXTERNAL BMS FAN CONTROL VIA DRY CONTACT (EXTERNAL CONTROL SHALL NOT OVERRIDE FAN OPERATION LOGIC AS REQUIRED BY CODE).
- AN LCD INTERFACE SHALL BE PROVIDED WITH THE FOLLOWING FEATURES:
  - A. ON/OFF PUSH BUTTON FAN & LIGHT SWITCH ACTIVATION.
  - B. INTEGRATED GAS VALVE RESET FOR ELECTRONIC GAS VALVES (NO RESET RELAY REQUIRED).
  - C. VFD FAULT DISPLAY WITH AUDIBLE & VISUAL ALARM NOTIFICATION.
  - D. DUCT TEMPERATURE SENSOR FAILURE DETECTION WITH AUDIBLE & VISUAL ALARM NOTIFICATION.
  - E. MIS-WIRED DUCT TEMPERATURE SENSOR DETECTION WITH AUDIBLE & VISUAL ALARM NOTIFICATION.
  - F. A SINGLE LOW VOLTAGE CAT-5 RJ45 WIRING CONNECTION.
  - G. AN ENERGY SAVINGS INDICATOR THAT UTILIZES MEASURED KWH FROM THE VFDs.



- AUTOMATIC: THE SYSTEM OPERATES BASED ON THE DIFFERENTIAL BETWEEN ROOM TEMPERATURE AND THE TEMPERATURE AT THE HOOD CAVITY OR EXHAUST DUCT COLLAR. FANS ACTIVATE AT A CONFIGURABLE TEMPERATURE DIFFERENTIAL THRESHOLD. DEPENDING ON THE JOB CONFIGURATION EACH FAN ZONE CAN BE CONFIGURED AS STATIC OR DYNAMIC. THESE TERMS REFER TO WHETHER A VARIABLE MOTOR (SUCH AS EC MOTORS OR VFD DRIVEN MOTORS) MODULATE WITH TEMPERATURE. IF THE PANEL IS EQUIPPED WITH VARIABLE SPEED FANS AND THE ZONE IS DEFINED AS 'DYNAMIC', THESE WILL MODULATE WITHIN A USER-DEFINED RANGE BASED ON THE TEMPERATURE DIFFERENTIAL. PANELS EQUIPPED WITH VARIABLE SPEED FANS AND A FAN ZONE DEFINED AS 'STATIC', FANS WILL RUN AT A SET SPEED CALCULATED FOR THE DRIVE. DEMAND CONTROL VENTILATION SYSTEMS ARE CAPABLE OF MODULATING EXHAUST AND MAKE UP AIR FAN SPEEDS PER THE REQUIREMENTS OUTLINED IN IECC 403.2.8.
- MANUAL: THE SYSTEM OPERATES BASED ON HUMAN INPUT FROM AN HMI.
- SCHEDULE: A WEEKLY SCHEDULE CAN BE SET TO RUN FANS FOR A SPECIFIED PERIOD THROUGHOUT THE DAY. THERE ARE THREE OCCUPIED TIMES PER DAY TO ALLOW FOR THE USER TO SET UP A TIME THAT IS SUITABLE TO THEIR NEEDS. ANY TIME THAT IS WITHIN THE DEFINED OCCUPIED TIME, THE SYSTEM WILL RUN AT MODULATION MODE AND FOLLOW THE FAN PROCEDURE ALGORITHM BASED ON TEMPERATURE DURING THIS TIME. DURING UNOCCUPIED TIME, THE SYSTEM WILL HAVE AN EXTRA OFFSET TO PREVENT UNINTENDED ACTIVATION OF THE SYSTEM DURING A TIME WHERE THE SYSTEM IS NOT BEING OCCUPIED.
- OTHER: THE SYSTEM OPERATES BASED ON THE INPUT FROM AN EXTERNAL SOURCE (DDC, BMS OR HARD-WIRED INTERLOCK).

DESCRIPTION		DATE:
△		
△		
△		
△		



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veaire.com

## Blue Ridge

6607 5th St. NW, Hickory, NC 28601 PHONE: (800) 445-1869 FAX: (919) 227-5993 EMAIL: [reg16@captiveaire.com](mailto:reg16@captiveaire.com)

Healing Places v3090220  
WILMINGTON, NC, 28402

**DATE:** 9/4/2020

**DWG.#:**  
4505267

**DRAWN BY:** MHB - 16

**SCALE:**  
3/4" = 1'-0"

**MASTER DRAWING**

**SHEET NO.**



1000 MEDICAL CENTER DRIVE  
WILMINGTON, NORTH CAROLINA

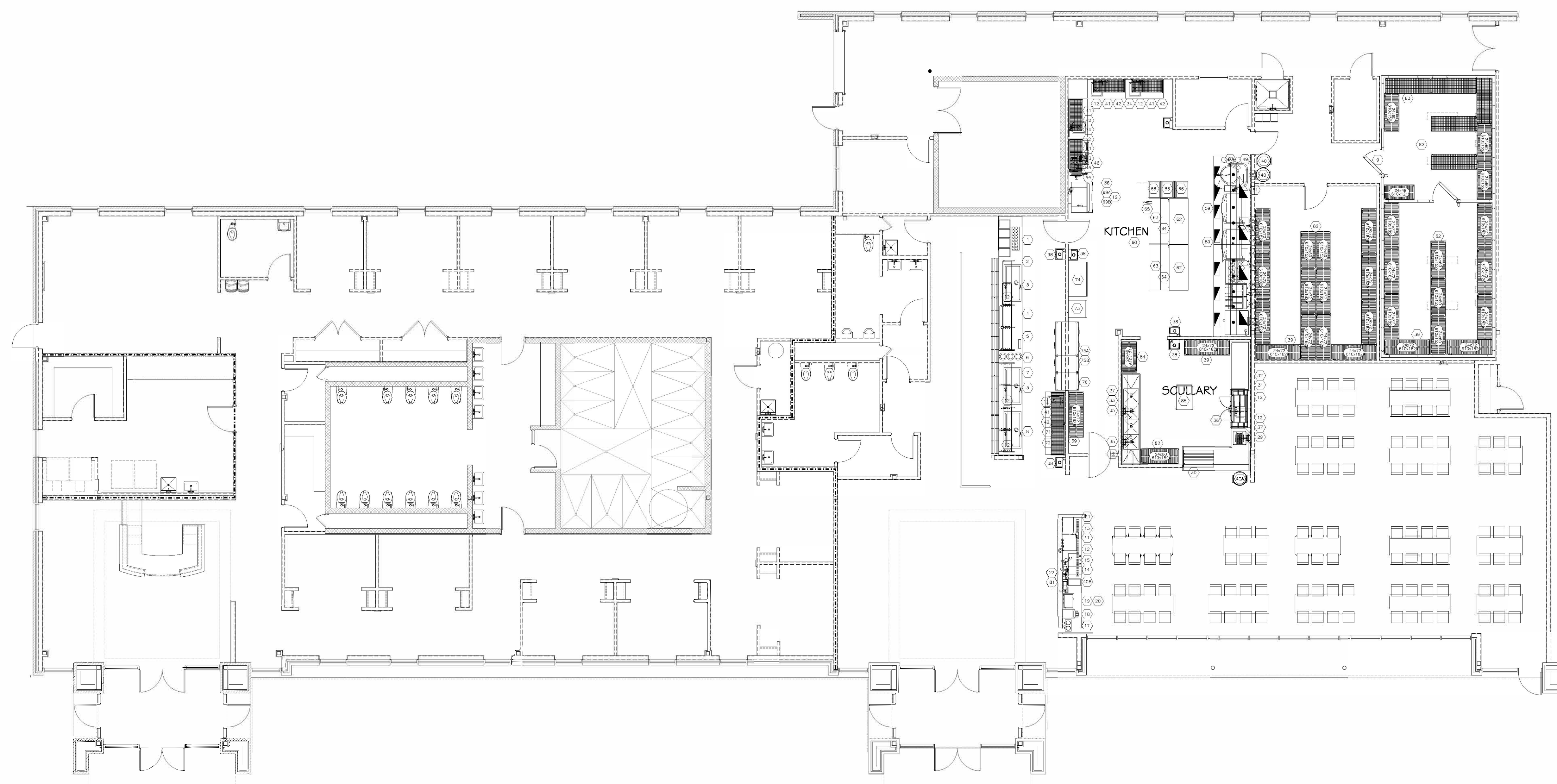
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No.	Description	Date
1	SCHEMATIC DESIGN	11/2
2	DESIGN DEVELOPMENT SET	04/0
3	CONSTRUCTION DOCUMENT SET	08/2

Sheet Title

KITCHEN EQUIPMENT  
PLAN

FS-100



MCHG EQUIPMENT SCHEDULE					
Item No.	Qty	Material Category	Manufacturer	Model	Number
1	1	BARREL, 100' GAL	WALSH	100-100	100-100
2	1	BARREL, 100' GAL	WALSH	100-100	100-100
3	1	BARREL, 100' GAL	WALSH	100-100	100-100
4	1	BARREL, 100' GAL	WALSH	100-100	100-100
5	1	BARREL, 100' GAL	WALSH	100-100	100-100
6	1	BARREL, 100' GAL	WALSH	100-100	100-100
7	1	BARREL, 100' GAL	WALSH	100-100	100-100
8	1	BARREL, 100' GAL	WALSH	100-100	100-100
9	1	BARREL, 100' GAL	WALSH	100-100	100-100
10	1	BARREL, 100' GAL	WALSH	100-100	100-100
11	1	BARREL, 100' GAL	WALSH	100-100	100-100
12	1	BARREL, 100' GAL	WALSH	100-100	100-100
13	1	BARREL, 100' GAL	WALSH	100-100	100-100
14	1	BARREL, 100' GAL	WALSH	100-100	100-100
15	1	BARREL, 100' GAL	WALSH	100-100	100-100
16	1	BARREL, 100' GAL	WALSH	100-100	100-100
17	1	BARREL, 100' GAL	WALSH	100-100	100-100
18	1	BARREL, 100' GAL	WALSH	100-100	100-100
19	1	BARREL, 100' GAL	WALSH	100-100	100-100
20	1	BARREL, 100' GAL	WALSH	100-100	100-100
21	1	BARREL, 100' GAL	WALSH	100-100	100-100
22	1	BARREL, 100' GAL	WALSH	100-100	100-100
23	1	BARREL, 100' GAL	WALSH	100-100	100-100
24	1	BARREL, 100' GAL	WALSH	100-100	100-100
25	1	BARREL, 100' GAL	WALSH	100-100	100-100
26	1	BARREL, 100' GAL	WALSH	100-100	100-100
27	1	BARREL, 100' GAL	WALSH	100-100	100-100
28	1	BARREL, 100' GAL	WALSH	100-100	100-100
29	1	BARREL, 100' GAL	WALSH	100-100	100-100
30	1	BARREL, 100' GAL	WALSH	100-100	100-100
31	1	BARREL, 100' GAL	WALSH	100-100	100-100
32	1	BARREL, 100' GAL	WALSH	100-100	100-100
33	1	BARREL, 100' GAL	WALSH	100-100	100-100
34	1	BARREL, 100' GAL	WALSH	100-100	100-100
35	1	BARREL, 100' GAL	WALSH	100-100	100-100
36	1	BARREL, 100' GAL	WALSH	100-100	100-100
37	1	BARREL, 100' GAL	WALSH	100-100	100-100
38	1	BARREL, 100' GAL	WALSH	100-100	100-100
39	1	BARREL, 100' GAL	WALSH	100-100	100-100
40	1	BARREL, 100' GAL	WALSH	100-100	100-100
41	1	BARREL, 100' GAL	WALSH	100-100	100-100
42	1	BARREL, 100' GAL	WALSH	100-100	100-100
43	1	BARREL, 100' GAL	WALSH	100-100	100-100
44	1	BARREL, 100' GAL	WALSH	100-100	100-100
45	1	BARREL, 100' GAL	WALSH	100-100	100-100
46	1	BARREL, 100' GAL	WALSH	100-100	100-100
47	1	BARREL, 100' GAL	WALSH	100-100	100-100
48	1	BARREL, 100' GAL	WALSH	100-100	100-100
49	1	BARREL, 100' GAL	WALSH	100-100	100-100
50	1	BARREL, 100' GAL	WALSH	100-100	100-100
51	1	BARREL, 100' GAL	WALSH	100-100	100-100
52	1	BARREL, 100' GAL	WALSH	100-100	100-100
53	1	BARREL, 100' GAL	WALSH	100-100	100-100
54	1	BARREL, 100' GAL	WALSH	100-100	100-100
55	1	BARREL, 100' GAL	WALSH	100-100	100-100
56	1	BARREL, 100' GAL	WALSH	100-100	100-100
57	1	BARREL, 100' GAL	WALSH	100-100	100-100
58	1	BARREL, 100' GAL	WALSH	100-100	100-100
59	1	BARREL, 100' GAL	WALSH	100-100	100-100
60	1	BARREL, 100' GAL	WALSH	100-100	100-100
61	1	BARREL, 100' GAL	WALSH	100-100	100-100
62	1	BARREL, 100' GAL	WALSH	100-100	100-100
63	1	BARREL, 100' GAL	WALSH	100-100	100-100
64	1	BARREL, 100' GAL	WALSH	100-100	100-100
65	1	BARREL, 100' GAL	WALSH	100-100	100-100
66	1	BARREL, 100' GAL	WALSH	100-100	100-100
67	1	BARREL, 100' GAL	WALSH	100-100	100-100
68	1	BARREL, 100' GAL	WALSH	100-100	100-100
69	1	BARREL, 100' GAL	WALSH	100-100	100-100
70	1	BARREL, 100' GAL	WALSH	100-100	100-100
71	1	BARREL, 100' GAL	WALSH	100-100	100-100
72	1	BARREL, 100' GAL	WALSH	100-100	100-100
73	1	BARREL, 100' GAL	WALSH	100-100	100-100
74	1	BARREL, 100' GAL	WALSH	100-100	100-100
75	1	BARREL, 100' GAL	WALSH	100-100	100-100
76	1	BARREL, 100' GAL	WALSH	100-100	100-100
77	1	BARREL, 100' GAL	WALSH	100-100	100-100
78	1	BARREL, 100' GAL	WALSH	100-100	100-100
79	1	BARREL, 100' GAL	WALSH	100-100	100-100
80	1	BARREL, 100' GAL	WALSH	100-100	100-100
81	1	BARREL, 100' GAL	WALSH	100-100	100-100
82	1	BARREL, 100' GAL	WALSH	100-100	100-100
83	1	BARREL, 100' GAL	WALSH	100-100	100-100
84	1	BARREL, 100' GAL	WALSH	100-100	100-100
85	1	BARREL, 100' GAL	WALSH	100-100	100-100
86	1	BARREL, 100' GAL	WALSH	100-100	100-100
87	1	BARREL, 100' GAL	WALSH	100-100	100-100
88	1	BARREL, 100' GAL	WALSH	100-100	100-100
89	1	BARREL, 100' GAL	WALSH	100-100	100-100
90	1	BARREL, 100' GAL	WALSH	100-100	100-100
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92	1	BARREL, 100' GAL	WALSH	100-100	100-100
93	1	BARREL, 100' GAL	WALSH	100-100	100-100
94	1	BARREL, 100' GAL	WALSH	100-100	100-100
95	1	BARREL, 100' GAL	WALSH	100-100	100-100
96	1	BARREL, 100' GAL	WALSH	100-100	100-100
97	1	BARREL, 100' GAL	WALSH	100-100	100-100
98	1	BARREL, 100' GAL	WALSH	100-100	100-100
99	1	BARREL, 100' GAL	WALSH	100-100	100-100
100	1	BARREL, 100' GAL	WALSH	100-100	100-100





**MAILING ADDRESS: PO BOX 269 • HYDE, PA 16843**  
**PHYSICAL ADDRESS: 1395 INDUSTRIAL PARK**  
**ROAD, CLEARFIELD, PA 16830**  
**Phone: (814) 765-9615 • Fax: (814) 765-5410**  
**Toll Free: (800) 233-1954**  
**www.walkins.com**

To: Holland Associates  
PO Box 2675  
Matthews, NC 28106  
Attn: Mike Holland  
Phone: 704-841-4446  
Fax: 704-841-4447  
Email: hollandassoc@hotmail.com  
Job Name:

**Item #9 Indoor Cooler/Freezer**

Freezer (-10°F), +34°F Cooler w/out Floor w/ PVC Screed

Insulation: 4 inches foamed-in-place urethane (X) Class 1

Approximate overall size: 37' 0" x 14' 11" x 8' 10 1/2"(H) as per attached approval drawing

Custom Size

O.D. Freezer (-10°F): 20' 6" x 14' 11" x 8' 10 1/2"(H)

+34°F Cooler: 16' 6" x 14' 11" x 8' 10 1/2"(H)

Finishes

Interior & Exterior - 26ga Embossed Galvalume

Entrance Doors:

Compt 1 - door 1 (Interior & Exterior of Door & Frame: 26ga Embossed Galvalume)

34" x 77" LHH freezer door - includes W-94 door closer, (2) W-59 polished hinges, S/S sill plate, W-29NC latch, Weiss 24DT-SP-LT digital therm/switch, Fermor PRP & VXS100 (LED)

Compt 2 - door 2 (Interior & Exterior of Door & Frame: 26ga Embossed Galvalume)

34" x 77" RHH cooler door with 57 1/2" frame - includes W-94 door closer, (3) W-59 polished hinges, Norfab 14" x 24" viewport, W-29NC latch, Locking Hasp, 3' 0"(H) 10ga 5-Bar Tread kickplates int & ext door & frame, Weiss 24DT-SP-LT digital therm/switch, Fermor PRP & VXS100 (LED)

Accessories:

(1) Ceiling Hanger Clip kit for 37' 0" span . Estimated ceiling weight per clip = 21.9 lbs

FOUR(4) 48" Universal LED Light with Bulbs (Shipped loose)

Refrigeration Equipment:

(1) QTY RFO500L4S-DA 208-230/1/60 Scroll Air Cooled Condensing Unit (17690 BTUH @ -20°F SST, 95°F Amb, R404A) with PSC Condensing Motors, Standard Tafco Options and Features

(1) QTY RL6E182DDAA 208-230/1/60 Next-Gen All-Temp Electric Defrost Cooler Unit with Dual Speed EC, Balanced Port Expansion Valve (Mounted), Liquid Line Solenoid (Mounted), and Mechanical Room Thermostat (Mounted)

**NOTE: This quotation is based on our understanding of the information you furnished us.**  
**Please check your quotation carefully. Anything not listed will not be furnished.**





P.O. Box 269, Graham Street, Hyde, Pennsylvania 16843  
Tel: (814) 765-9615 · Fax: (814) 765-5410

- (1) QTY RFH200E44-DA 208-230/1/60 Fully Hermetic Air Cooled Condensing Unit (15588 BTUH @ +24°F SST, 95°F Amb, R-404A) with PSC Condensing Motors, Standard Tafco Options and Features
- (1) QTY RL6E142DDAA 208-230V/1/60 Next-Gen All-Temp Electric Defrost Cooler Unit with Dual Speed EC, Balanced Port Expansion Valve (Mounted), Liquid Line Solenoid (Mounted), and Mechanical Room Thermostat (Mounted)

**OPTIONS:**

- \* Five Year Compressor Warranties
- \* 208/230-3-60 Voltage in place of 208/230-1-60 (as quoted above) Freezer
- \* 208/230-3-60 Voltage in place of 208/230-1-60 (as quoted above) Cooler

**Lead Time:** Consult factory

**Notes & Exceptions**

**Please verify quotation - pricing subject to change**

**\*Please contact factory for pricing on standard sizes in place of exact sizes as requested/quoted**

**\*Insulated floor is required for freezer application**

**\*Please advise if walkin will sit in pit – advise depth of pit -pricing subject to change**

**\*Tafco's standard 4' LED Lighting**

**\*Tafco's standard Russell refrigeration**


Tafco 4" thick cooler wall and ceiling panels have an R-value of 29 and are EISA 2007 compliant.

Tafco 4" thick freezer wall and ceiling panels have an R-value of 32.48 and are EISA 2007 compliant.

Tafco panel insulation is CFC/HCFC free, Class one, fire rated, foamed-in-place rigid polyurethane insulation.

Mean Temperature for Freezer 20°	
K-Factor = .1232	R-Factor = 8.12 per in.
R-Factor 2" panel = 16.2	U-Factor 2" = 0.061
R-Factor 4" panel = 32.5	U-Factor 4" = 0.031
R-Factor 5" panel = 40.6	U-Factor 5" = 0.025
R-Factor 6" panel = 48.7	U-Factor 6" = 0.021

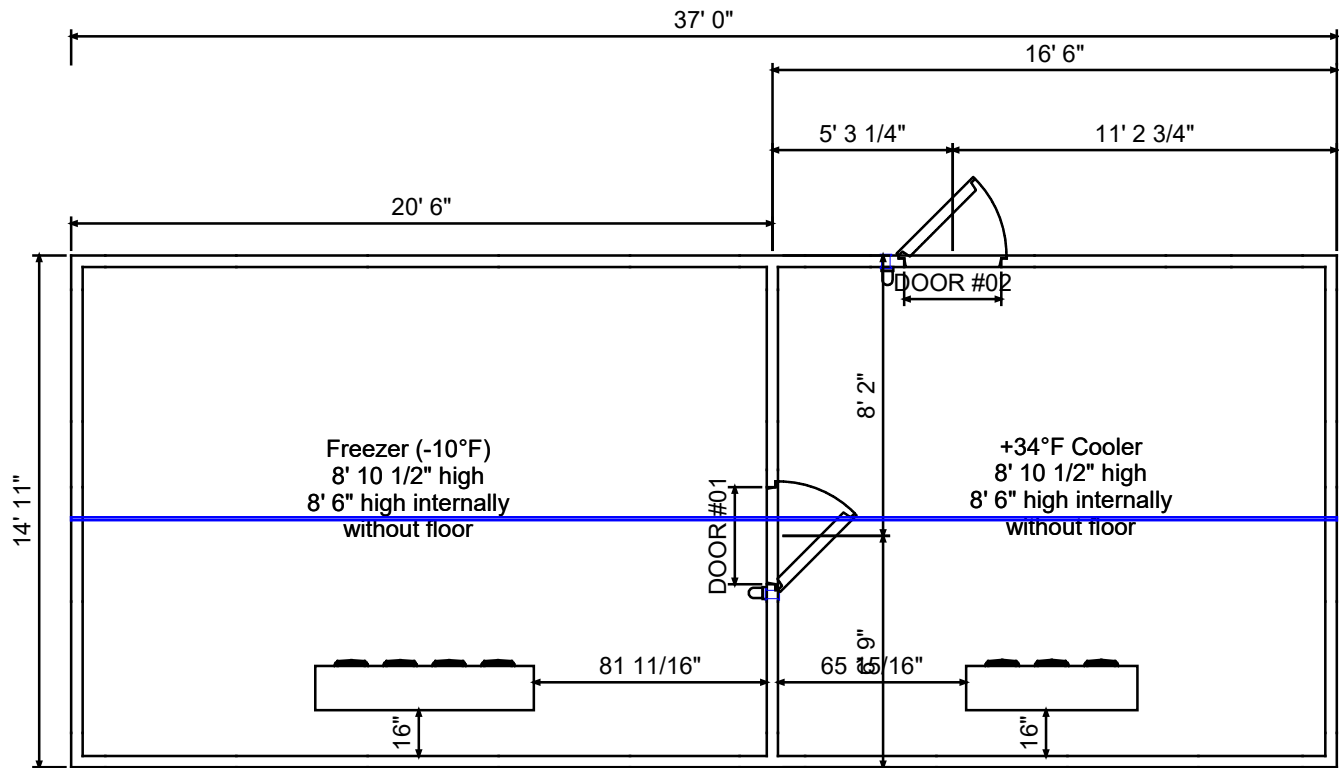
Mean Temperature for Cooler 55°	
K-Factor = .1375	R-Factor = 7.26 per in.
R-Factor 2" panel = 14.52	U-Factor 2" = 0.069
R-Factor 4" panel = 29.04	U-Factor 4" = 0.035
R-Factor 5" panel = 36.3	U-Factor 5" = 0.027
R-Factor 6" panel = 43.6	U-Factor 6" = 0.023

 **WARNING:** CALIFORNIA PROP 65 - This product may expose you to chemicals including Lead, Chromium (hexavalent compounds) and Phthalates (DEHP) which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

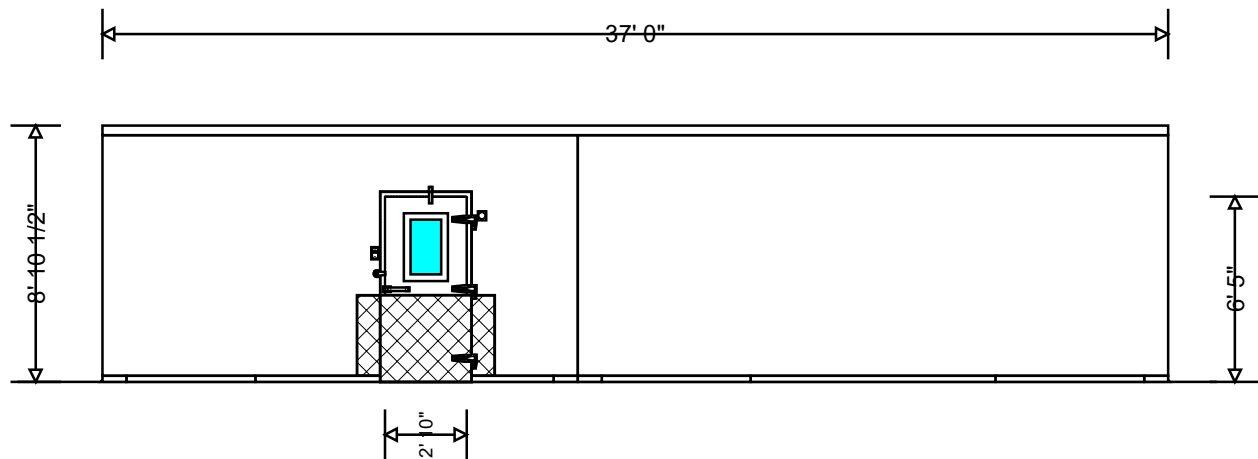
Revision	Date	Name	Comments
0	07/08/2020	Jodi McCloskey	Project created



P.O. Box 269, Graham Street, Hyde, Pennsylvania 16843  
Tel: (814) 765-9615 · Fax: (814) 765-5410



Plan View



Elevation View

Checked by:

Customer Approval \_\_\_\_\_

Construction Documents

**SECTION 329400 - MODULAR CONCRETE BLOCK WALL SYSTEM**

PART 1: GENERAL

1.01 Description

- A. Work shall consist of furnishing and construction of a modular concrete block retaining wall system in accordance with these specifications and in reasonably close conformity with the lines, grades, design, and dimensions shown on the plans.
- B. Work includes preparing foundation soil, furnishing and installing leveling pad, unit drainage fill and backfill to the lines and grades shown on the construction drawings.
- C. Work includes furnishing and installing geogrid soil reinforcement of the type, size, location, and lengths designated on the construction drawings.
- D. Coordinate design & installation with landscaping, guard rail, fencing and direct burial site lighting.

1.02 Related Sections

- A. Section 02211- Excavation and Grading

1.03 Reference Documents

- A. American Society for Testing and Materials (ASTM)
  - 1. ASTM C140 Sampling and Testing Concrete Masonry Units
  - 2. ASTM C1372 Specification for Dry-Cast Segmental Retaining Wall Units
  - 3. ASTM D422 Particle-Size Analysis of Soils
  - 4. ASTM D698 Laboratory Compaction Characteristics of Soil - Standard Effort
  - 5. ASTM D1557 Laboratory Compaction Characteristics of Soil - Modified Effort
  - 6. ASTM D3034 Polyvinyl Chloride Pipe (PVC)
  - 7. ASTM D4318 Liquid Limit, Plastic Limit and Plasticity Index of Soils
  - 8. ASTM D4475 Horizontal Shear Strength of Pultruded Reinforced Plastic Rods
  - 9. ASTM D4476 Flexural Properties of Fiber Reinforced Pultruded Plastic Rods
  - 10. ASTM D4595 Tensile Properties of Geotextiles - Wide Width Strip

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Construction Documents

11. ASTM D5262 Unconfined Tension Creep Behavior of Geosynthetics
  12. ASTM D5818 Evaluate Installation Damage of Geosynthetics
  13. ASTM D6637 Tensile Properties of Geogrids – Single or Multi-Rib
  14. ASTM D6638 Connection Strength - Reinforcement/Segmental Units
  15. ASTM D6706 Geosynthetic Pullout Resistance in Soil
  16. ASTM D6916 Shear Strength Between Segmental Concrete Units
- B. American Association of State Highway and Transportation Officials (AASHTO)
1. AASHTO M 252 Corrugated Polyethylene Drainage Pipe
- C. Geosynthetic Research Institute (GRI)
1. GRI-GG4 Determination of Long Term Design Strength of Geogrids
  2. GRI-GG5 Determination of Geogrid (soil) Pullout
- D. National Concrete Masonry Association (NCMA)
1. NCMA SRWU-1 Test Method for Determining Connection Strength of SRW
  2. NCMA SRWU-2 Test Method for Determining Shear Strength of SRW

1.04 Submittals/Certification

- A. Contractor shall submit a Manufacturer's certification, prior to start of work, that the retaining wall system components meet the requirements of this specification and the structure design.
- B. Contractor shall submit construction drawings and design calculations for the retaining wall system prepared and stamped by a Professional Engineer registered in the state of the project. The engineering designs, techniques, and material evaluations shall be in accordance with the Manufacturer's Design Manual, NCMA Design Guidelines For Segmental Retaining Walls, or the AASHTO Standard Specifications for Highway Bridges (whichever is applicable to designer).
- C. Contractor shall submit a test report documenting strength of specific modular concrete unit and geogrid reinforcement connection. The maximum design tensile load of the geogrid shall be equal to the laboratory tested ultimate strength of geogrid / facing unit connection at a



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Construction Documents

maximum normal force limited by the "Hinge Height" of the structure divided by a safety factor of 1.5. The connection strength evaluation shall be performed in accordance with ASTM D6638 (NCMA SRWU-1).

**1.05 Quality Assurance**

- A. Contractor shall submit a list of five (5) previously constructed projects of similar size and magnitude by the wall installer where the specific retaining wall system has been constructed successfully. Contact names and telephone numbers shall be listed for each project.
- C. Contractor shall provide evidence that the design engineer has a minimum of five years of documentable experience in the design for reinforced soil structures. The design engineer shall provide proof of current professional liability insurance with an aggregate coverage limit of not less than \$2,000,000.
- D. Owner shall provide soil testing and quality assurance inspection during earthwork and wall construction operations. Contractor shall provide any quality control testing or inspection not provided by the Owner. Owner's quality assurance program does not relieve the contractor of responsibility for quality control and wall performance.

**1.06 Delivery, Storage and Handling**

- A. Contractor shall check all materials upon delivery to assure that the proper type, grade, color, and certification has been received.
- B. Contractor shall protect all materials from damage due to jobsite conditions and in accordance with manufacturer's recommendations. Damaged materials shall not be incorporated into the work.

**PART 2: PRODUCTS**

**2.01 Definitions**

- A. Modular Unit - a concrete retaining wall element machine made from Portland cement, water, and aggregates.
- B. Structural Geogrid - a structural element formed by a regular network of integrally connected tensile elements with apertures of sufficient size to allow interlocking with surrounding soil, rock, or earth and function primarily as reinforcement.

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Construction Documents

- C. Unit Drainage Fill - drainage aggregate, which is placed within and immediately behind the modular concrete units.
- D. Reinforced Backfill - compacted soil, which is placed within the reinforced soil volume as outlined on the plans.

## 2.02 Modular Concrete Retaining Wall Units

- A. Modular concrete units shall conform to the following architectural requirements:
  - 1. Face color - concrete gray, unless otherwise specified.
  - 2. Face finish - sculptured rock face in angular tri-planer configuration. Other face finishes may be allowed with approval of Owner.
  - 3. Bond configuration - running with bonds nominally located at midpoint vertically adjacent units, in both straight and curved alignments.
  - 4. Exposed surfaces of units shall be free of chips, cracks or other imperfections when viewed from a distance of 10 feet under diffused lighting.
- B. Modular concrete materials shall conform to the requirements of ASTM C1372 - Standard Specifications for Segmental Retaining Wall Units.
- C. Modular concrete units shall conform to the following structural and geometric requirements measured in accordance with ASTM C140 Sampling and Testing Concrete Masonry Units:
  - 1. Compressive strength:  $\geq 3000$  psi (21 MPa);
  - 2. Absorption: 8 % (6% in northern states) for standard weight aggregates;
  - 3. Dimensional tolerances:  $\pm 1/8"$  (3 mm) from nominal unit dimensions not including rough split face,  $\pm 1/16"$  (1.5 mm) unit height - top and bottom planes;
  - 4. Unit size: 8" (203 mm) (H) x 18" (457 mm)(W) x 18" (457 mm)(D) minimum;
  - 5. Unit weight: 100 lbs/unit (45 kg) minimum for standard weight aggregates.
- D. Modular concrete units shall conform to the following performance testing:

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Construction Documents

1. Inter -unit shear strength in accordance with ASTM D6916 (NCMA SRWU-2): 1500 plf (21 kN/m) minimum at 2 psi (13 MPa) normal pressure;
  2. Geogrid/unit peak connection strength in accordance with ASTM D6638 (NCMA SRWU-1): 900 plf (13 kN/m) minimum at 2-psi (13 MPa) normal force.
- E. Modular concrete units shall conform to the following constructability requirements:
1. Vertical setback: 1/8" (3 mm)  $\pm$  per course (near vertical) or 1" (25 mm) + per course – TO BE SPECIFIED ON THE CONSTRUCTION DRAWINGS SUBMITTED BY THE CONTRACTOR;
  2. Alignment and grid positioning mechanism - fiberglass pins, two per unit minimum;
  3. Maximum horizontal gap between erected units shall be  $\leq$  1/2 inch (13 mm).

2.03 Shear Connectors

- A. Shear connectors shall be 1/2-inch (12 mm) diameter thermoset isophthalic polyester resin-pultruded fiberglass reinforcement rods or equivalent to provide connection between vertically and horizontally adjacent units with the following requirements:
1. Flexural Strength in accordance with ASTM D4476: 128,000 psi (882 MPa) minimum;
  2. Short Beam Shear in accordance with ASTM D4475: 6,400 psi (44 MPa) minimum.
- B. Shear connectors shall be capable of holding the geogrid in the proper design position during grid pre-tensioning and backfilling.

2.04 Base Leveling Pad Material

- A. Material shall consist of a compacted crushed stone base or non-reinforced concrete as shown on the construction drawings.

2.05 Unit Drainage Fill

Construction Documents

- A. Unit drainage fill shall consist of clean 1" (25 mm) minus crushed stone or crushed gravel meeting the following gradation tested in accordance with ASTM D-422:

Sieve Size	Percent Passing
1 inch (25 mm)	100
3/4-inch (19 mm)	75-100
No. 4	0 - 10
No. 50	0 - 5

- B. One cubic foot (0.028 m<sup>3</sup>), minimum, of drainage fill shall be used for each square foot (0.093 m<sup>2</sup>) of wall face. Drainage fill shall be placed within cores of, between, and behind units to meet this requirement.

**2.06 Reinforced Backfill**

- A. Reinforced backfill shall be free of debris and meet the following gradation tested in accordance with ASTM D-422:

Sieve Size	Percent Passing
2-inch (50 mm)	100
3/4-inch (19 mm)	100-75
No. 40	0-60
No. 200	0-35

Plasticity Index (PI) <15 and Liquid Limit <40 per ASTM D-4318.

- B. The maximum aggregate size shall be limited to 3/4 inch (19 mm) unless field tests have been performed to evaluate potential strength reductions to the geogrid design due to damage during construction.
- C. Material can be site-excavated soils where the above requirements can be met. Unsuitable soils for backfill (high plastic clays or organic soils) shall not be used in the backfill or in the reinforced soil mass.
- D. Contractor shall submit reinforced fill sample and laboratory test results to the Architect/Engineer for approval prior to the use of any proposed reinforced fill material.

**2.07 Geogrid Soil Reinforcement**

## Construction Documents

- A. Geosynthetic reinforcement shall consist of geogrids manufactured specifically for soil reinforcement applications and shall be manufactured from high tenacity polyester yarn or high-density polyethylene. Polyester geogrid shall be knitted from high tenacity polyester filament yarn with a molecular weight exceeding 25,000 Meg/m and a carboxyl end group values less than 30. Polyester geogrid shall be coated with an impregnated PVC coating that resists peeling, cracking, and stripping.

- B.  $T_a$ , Long Term Allowable Tensile Design Load, of the geogrid material shall be determined as follows:

$$T_a = T_{ult} / (RF_{cr} * RF_d * RF_{id} * FS)$$

$T_a$  shall be evaluated based on a 75-year design life.

1.  $T_{ult}$ , Short Term Ultimate Tensile Strength shall be determined in accordance with ASTM D4595 or ASTM D6637.  
 $T_{ult}$  is based on the minimum average roll values (MARV).
  2.  $RF_{cr}$ , Reduction Factor for Long Term Tension Creep  
 $RF_{cr}$  shall be determined from 10,000-hour creep testing performed in accordance with ASTM D5262. Reduction value = 1.45 minimum.
  3.  $RF_d$ , Reduction Factor for Durability  
 $RF_d$  shall be determined from polymer specific durability testing covering the range of expected soil environments.  $RF_d = 1.10$  minimum.
  4.  $RF_{id}$ , Reduction Factor for Installation Damage  
 $RF_{id}$  shall be determined from product specific construction damage testing performed in accordance with ASTM D5818 (GRI-GG4). Test results shall be provided for each product to be used with project specific or more severe soil type.  $RF_{id} = 1.05$  minimum.
  5.  $FS$ , Overall Design Factor of Safety  
 $FS$  shall be 1.5 unless otherwise noted for the maximum allowable working stress calculation.
- C. The maximum design tensile load of the geogrid shall not exceed the laboratory tested ultimate strength of the geogrid/facing unit connection as limited by the "Hinge Height" divided by a factor of safety of 1.5. The connection strength testing and computation procedures shall be in accordance with ASTM D6638 Connection Strength between

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Construction Documents

Geosynthetic Reinforcement and Segmental Concrete Units (NCMA SRWU-1).

- D. Soil Interaction Coefficient,  $C_i$   
 $C_i$  values shall be determined per ASTM D6706 (GRI:GG5) at a maximum 0.75-inch (19 mm) displacement.
- E. Manufacturing Quality Control  
The geogrid manufacturer shall have a manufacturing quality control program that includes QC testing by an independent laboratory.  
The QC testing shall include:
  - Tensile Strength Testing
  - Melt Flow Index (HDPE)
  - Molecular Weight (Polyester)

## 2.08 Drainage Pipe

- A. If required, the drainage pipe shall be perforated or slotted PVC pipe manufactured in accordance with ASTM D-3034 or corrugated HDPE pipe manufactured in accordance with AASHTO M252.

## 2.09 Geotextile Filter Fabric

- A. When required, Geotextile filter fabric shall be 4.0 oz/sy, polypropylene, needlepunched nonwoven fabric.

# PART 3: EXECUTION

## 3.01 Excavation

- A. Contractor shall excavate to the lines and grades shown on the construction drawings. Owner's representative shall inspect the excavation and approve prior to placement of leveling material or fill soils. Proof roll foundation area as directed to determine if remedial work is required.
- B. Over-excavation and replacement of unsuitable foundation soils and replacement with approved compacted fill will be compensated as agreed upon with the Owner.

## 3.02 Base Leveling Pad

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Construction Documents

- A. Leveling pad material shall be placed to the lines and grades shown on the construction drawings, to a minimum thickness of 6 inches (150 mm) and extend laterally a minimum of 6" (150 mm) in front and behind the modular wall unit.
- B. Soil leveling pad materials shall be compacted to a minimum of 95 % Standard Proctor density per ASTM D-698 or 92% Modified Proctor Density per ASTM D1557.
- C. Leveling pad shall be prepared to insure full contact to the base surface of the concrete units.

**3.03 Modular Unit Installation**

- A. First course of units shall be placed on the leveling pad at the appropriate line and grade. Alignment and level shall be checked in all directions and insure that all units are in full contact with the base and properly seated.
- B. Place the front of units side-by-side. Do not leave gaps between adjacent units. Layout of corners and curves shall be in accordance with manufacturer's recommendations.
- C. Install shear/connecting devices per manufacturer's recommendations.
- D. Place and compact drainage fill within and behind wall units. Place and compact backfill soil behind drainage fill. Follow wall erection and drainage fill closely with structure backfill.
- E. Maximum stacked vertical height of wall units, prior to unit drainage fill and backfill placement and compaction, shall not exceed two courses.

**3.04 Structural Geogrid Installation**

- A. Geogrid shall be oriented with the highest strength axis perpendicular to the wall alignment.
- B. Geogrid reinforcement shall be placed at the strengths, lengths, and elevations shown on the construction design drawings or as directed by the Engineer.

## Construction Documents

- C. The geogrid shall be laid horizontally on compacted backfill and attached to the modular wall units. Place the next course of modular concrete units over the geogrid. The geogrid shall be pulled taut, and anchored prior to backfill placement on the geogrid.
- D. Geogrid reinforcements shall be continuous throughout their embedment lengths and placed side-by-side to provide 100% coverage at each level. Spliced connections between shorter pieces of geogrid or gaps between adjacent pieces of geogrid are not permitted.

**3.05 Reinforced Backfill Placement**

- A. Reinforced backfill shall be placed, spread, and compacted in such a manner that minimizes the development of slack in the geogrid and installation damage.
- B. Reinforced backfill shall be placed and compacted in lifts not to exceed 6 inches (150 mm) where hand compaction is used, or 8 - 10 inches (200 to 250 mm) where heavy compaction equipment is used. Lift thickness shall be decreased to achieve the required density as required.
- C. Reinforced backfill shall be compacted to a minimum of 95 % Standard Proctor density per ASTM D-698 or 92% Modified Proctor Density per ASTM D1557. The moisture content of the backfill material prior to and during compaction shall be uniformly distributed throughout each layer and shall be dry of optimum, + 0%, - 3%.
- D. Only lightweight hand-operated equipment shall be allowed within 3 feet (1m) from the tail of the modular concrete unit.
- E. Tracked construction equipment shall not be operated directly upon the geogrid reinforcement. A minimum fill thickness of 6 inches (150 mm) is required prior to operation of tracked vehicles over the geogrid. Tracked vehicle turning should be kept to a minimum to prevent tracks from displacing the fill and damaging the geogrid.
- F. Rubber tired equipment may pass over geogrid reinforcement at slow speeds, less than 10 MPH (15 KPH). Sudden braking and sharp turning shall be avoided.
- G. At the end of each day's operation, the Contractor shall slope the last lift of reinforced backfill away from the wall units to direct runoff away from



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Construction Documents

wall face. The Contractor shall not allow surface runoff from adjacent areas to enter the wall construction site.

**3.06 Cap Installation**

- A. Cap units shall be glued to underlying units with an all-weather adhesive recommended by the manufacturer.

**3.07 As-built Construction Tolerances**

- A. Vertical alignment:  $\pm 1.5"$  (40 mm) over any 10' (3 m) distance.
- B. Wall Batter: within 2 degrees of design batter.
- C. Horizontal alignment:  $\pm 1.5"$  (40 mm) over any 10' (3 m) distance.  
Corners, bends & curves:  $\pm 1$  ft (300 mm) to theoretical location.
- D. Maximum horizontal gap between erected units shall be  $\leq 1/2$  inch (13 mm).

**3.08 Field Quality Control**

- A. Quality Assurance - The Owner shall/may engage inspection and testing services, including independent laboratories, to provide quality assurance and testing services during construction. This does not relieve the Contractor from securing the necessary construction control testing.
- B. Quality assurance should include foundation soil inspection. Verification of geotechnical design parameters, and verification that the contractor's quality control testing is adequate as a minimum. Quality assurance shall also include observation of construction for general compliance with design drawings and project specifications. Quality assurance is best performed by the site geotechnical engineer.
- C. Quality Control – The Contractor shall engage inspection and testing services to perform the minimum quality control testing described in the retaining wall design plans and specifications. Only qualified and experienced technicians and engineers shall perform testing and inspection services.
- D. Quality control testing shall include soil and backfill testing to verify soil types and compaction and verification that the retaining wall is being constructed in accordance with the design plans and project specifications.

Construction Documents

**-END OF SECTION-**