LIZ CARROLL
interiors

September 18, 2020

ADDENDUM

Renovations to:
Landfall Dye Clubhouse

ITEM 1

Request from Stephenson's Millwork - Please provide specifications for the brass shelving and sliding door hardware at the bar area.

- Brass Shelving System: Ground Level Bar: Brass ceiling-hung bars with wood shelves (rendering attached: 1a. Specifications attached: 1b.). Shelving depth is 12" (recess overall is 15"d). Shelf thickness, ¾".
- Brass Shelving System: Upper Level Bar: Brass ceiling-to counter bars with 3form shelves (rendering attached: 1c.)
- Sliding Door Hardware: Ground Level Bar: Emtek Modern 4" Rectangular Recessed Pull in French Antique Brass, EMT-311453

ITEM 2

Request from Goodman Millwork - Door 201A is called out as stained, but adjacent rooms 200 and 201 have all trim listed as painted. Is the unit to be stained?

- 201 A will be painted

ITEM 3

Request from Flooring Solutions - Please provide detail for:

a. Floor tile pattern utilizing tiles 4, 5, 6, & 7 at Women 103
b. What is the height of Tile 13 wainscotting at Men 210
c. Detail of carpet border at room 202 & 203

- a: Rendering attached (3a). Specifications attached (3b & 3c).
- b: 42"h wainscot tile. Sink wall: tile will go to the ceiling.
- c: Will use a 15" wide solid color carpet border around the perimeter of the entire space. The solid carpet for the border comes 12' wide. Will be bordered only around the full Veranda and Ballroom (treating them as one room). Border will not split Veranda / Ballroom.

ITEM 4

Request from Carolina Commercial Floorcoving - What is the width size or layout for Carpet #4 on the 2nd floor Veranda and Dining area

- Will use a 15" wide solid color carpet border around the perimeter of the entire space. The solid carpet for the border comes 12' wide.
- Will be bordered only around the full Veranda and Ballroom (treating them as one room). Border will not split Veranda / Ballroom.

514 Market Street Wilmington, NC 28401
phone 910.762.2621 *fax* 910.762.8506
www.bmharch.com

September 21st, 2020

ADDENDUM #2

Renovations to
The Country Club of Landfall
Dye Club House
Wilmington, NC 28405

This addendum forms a part of the contract documents and modifies the original drawings and project manual dated March 20, 2019. The enclosed additions, deletions, corrections, and changes shall be as binding as if incorporated in the original documents. All General Conditions, Special Conditions, etc. as originally specified shall apply to these items. Acknowledgement of receipt of this addendum will be required as part of the contract agreement.

Item 1 Addendum #1 has been previously issued and contains the following revisions.

Drawing CS-2 The building data sheet has been revised to indicate an Alteration Level 3. References to the new building code have been removed.

Various The architectural, electrical and mechanical sheets have been revised to reflect aesthetic alignment of diffusers and lights. A flat section of ceiling has been added to the second floor dining room. The fixture count went down by 2, one on each floor. A dimmer was added to the area that opens into Main Dining Room for 2 can lights. Reference reissued sheets A7.0, A7.1, EL1.1, EL1.2, M1.1, M1.2. Reference Addendum #1 included as **attachment #1**.

Item 2 ASI #1 has been previously issued and contains the following revisions. A new door was added to the proshop. Please reference revised sheets A2.0 and A3.0 included in attached ASI #1. Reference ASI #1 included as **attachment #2**.

Item 3 ASI #2 has been previously issued and contains the following revisions. Plumbing in men's toilet 210 has been coordianted with architectural plans. Reference ASI #2 included as **attachment #3**.

Item 4 ASI #3 has been previously issued and contains the following revisions. CS-1 and CS-2 were reissued at the request of NHC Inspections. New sheets Civ-1 and Civ-2 were added to the projects scope of work. Reference ASI #3 included as **attachment #4**.

Item 4 ASI #4 has been previously issued and contains the following revisions. Multiple electrical sheets were reissued following owner directed revisions to low voltage and other electrical items. Reference ASI #4 included as **attachment #5**.

Item 6 Specifications: A door hardware specification has been previously issued and is included in this addendum as **attachment #6**.

Item 7 Drawings: Various. Multiple clarifications have been issued by the interior designer. Please reference these items included as **attachment #7**.

Item 8 Drawings: A1.2 Dining Porch. Remove existing slate flooring and mortar bed prior to installing topping slab.

Item 9 Drawings: Various. All gypsum board and joint compound to be mold and mildew resistant. Provide a Level 5 finish in all areas.

Item 10 Drawings: A7.1 Clarification. Demolish existing ceiling and provide new gypsum ceilings in Dining Room 207 and Lounge 227. Demolish existing ceiling and provide new gypsum ceiling in

Mutipurpose Room 208. Remove existing ceilings in all areas with ceiling remaining and replace as necessary when required for HVAC, lighting or sprinkler work.

Item 11 Specifications: Electrical. A sizing discrepancy existing between drawings and specifications for telephone stubs. 1" conduit may be used as these locations. Specifications call for heavy duty disconnect. General Duty disconnects may be used.

Item 12 Drawings: M1.7 Clarification. The existing rooftop equipment and fan is to be demolished. New equipment will be placed in the attic and a new exhaust will be provided on the roof.

Bowman Murray Hemingway Architects, PC

John D. Murray AIA

ITEM 5

Request from Thomas Johnson, Muter Construction Project Manager- Please provide a basis of design for the items that do not have one listed.

	Toilet Accessories	**Mntg HT**
T1	Handicapped Grab Bar - 36" - Traditional Grab Bar by Brizo (*Note below)	36"
T2	Handicapped Grab Bar - 42" - Traditional Grab Bar by Brizo (*Note below)	36"
T3	Handicapped Grab Bar - 18" - Traditional Grab Bar by Brizo (*Note below)	40"
T4	Toilet Tissue Dispenser - Double Roll - Home Rises Item #HOIS29828*	18"
T5	Sanitary Napkin Disposal - ULine Model #H-3454	18"
T6	Not Used	
T7	Paper Towel Dispenser - Not using. Will have free standing	48"
T8	Frame Mirror - 24"w x 40"h (Vendor: Mirror Image Home - BB2096)	40" (bottom)
T8.1	Frame Mirror - 26"w x 45"h (Vendor: Mirror Image Home - 20626)	40" (bottom)
T8.2	Frame Mirror - 20"w x 30"h (Vendor: Rejuvenation - E3785)	40" (bottom)
T8.3	Frame Mirror - 29"w x 41"h (Vendor: Carver's Guild - 1036)	40" (bottom)
T9	Door Mounted Coat Hook - Signature Hardware Triple Hook SKU: 910676	48"

*Note on finishes for each restroom:

- Lower Level Women's Restroom - Luxe Gold / Brass
- Lower Level Men's Restroom - Polished Nickel
- Upper Level Women's Restroom - Luxe Gold / Brass
- Upper Level Men's Restroom - Luxe Gold / Brass

ITEM 6

Request from Thomas Johnson, Muter Construction Project Manager - Is there any further description of 3form? In samples to the specifier, there were colors or prints added to the Ridge product. Can you share a finish schedule and elevations so I can verify? Ridge alone will cost differently that Ridge with color or paint. This is in reference to 3, 4 / A5.2. The color could change the price

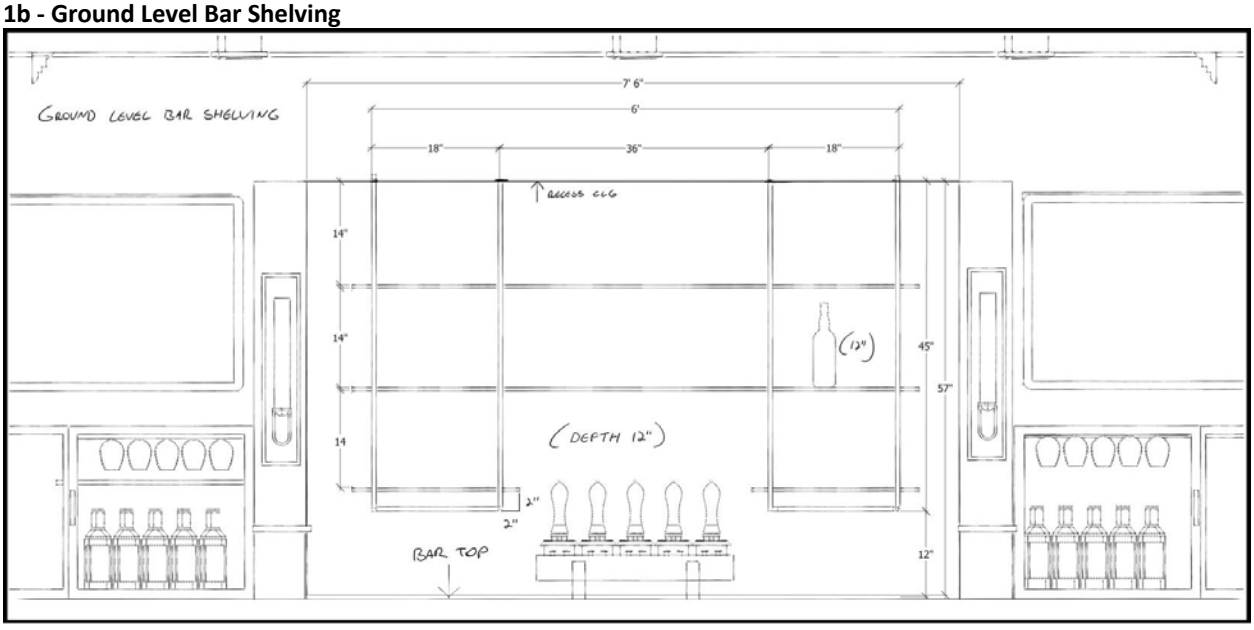
- Upper Level Bar: Bar Front: Ridge for base of bar will sit inside of millwork framing. Ridge will have color and avalanche opaque backer. Varia ⅜" Ridge + Color TBD + Avalanche D01 Sandstone Finish
- Upper Level Bar Shelves: Chroma 3form material in a color (to coordinate with color of Ridge for base of bar). Chroma 1" Color TBD Vellum Finish
- See attachment 1c below for rendering

LIZ CARROLL
interiors

Additional Supporting Information

1a - Ground Level Bar Rendering

1b - Ground Level Bar Shelving

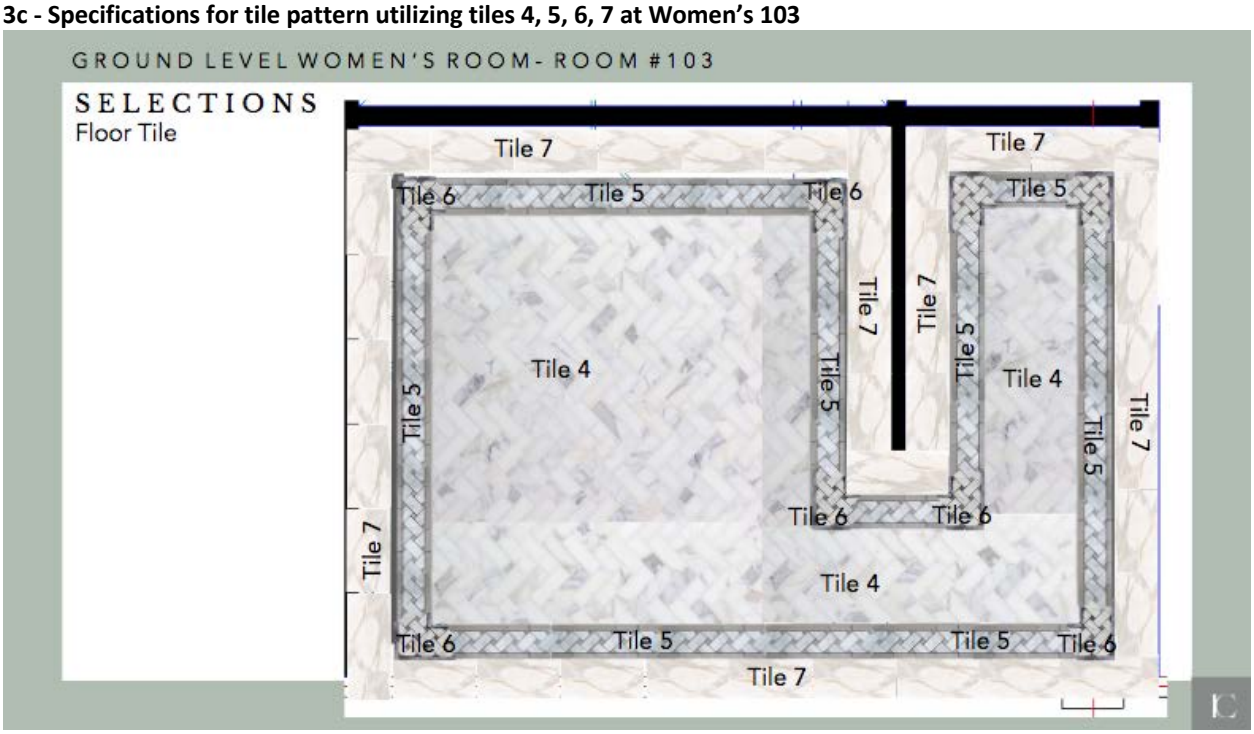


1c - Upper Level Bar Rendering

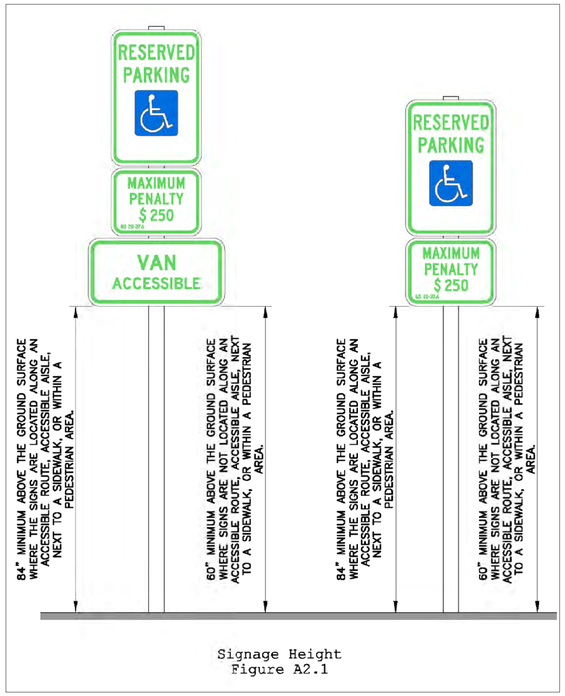
3a - Ground Level Women's Restroom Rendering (Room #103)

3b - Specifications for tile pattern utilizing tiles 4, 5, 6, 7 at Women's 103

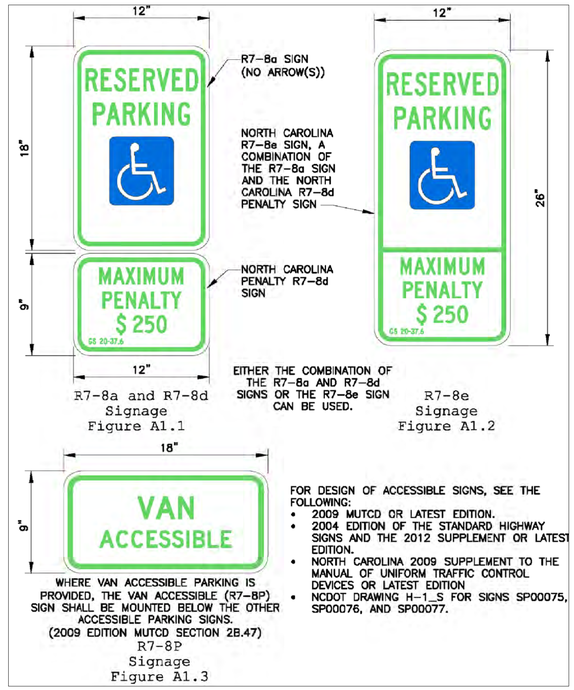
3c - Specifications for tile pattern utilizing tiles 4, 5, 6, 7 at Women's 103



April 23, 2019 P:\2020-0154-00 Dye Clubhouse Renovations\Civil\CURRENT WORKING\ACCESS WALKWAY 8-20-20\CS1-CS-2-LANDFALL SIDEWALK.dwg



Signage Height
Figure A2.1

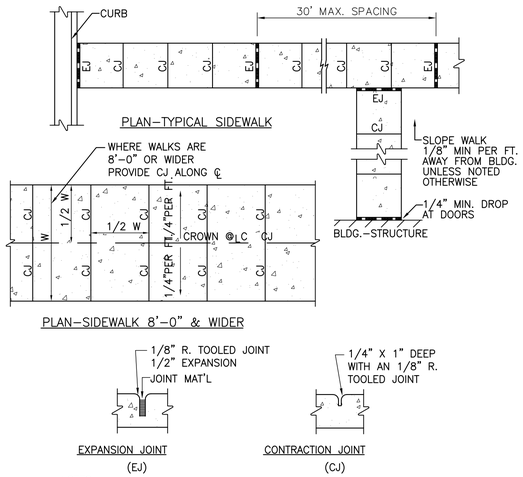


R7-8a and R7-8d Signage
Figure A1.1

R7-8e Signage
Figure A1.2

R7-8P Signage
Figure A1.3

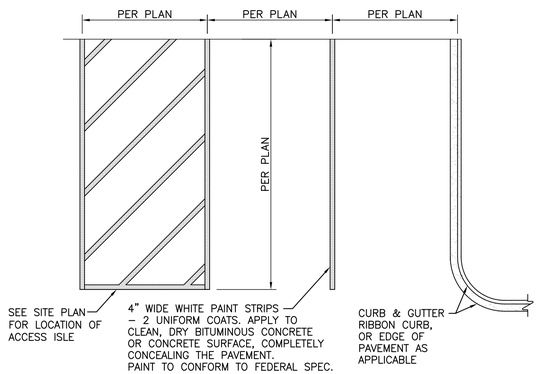
ACCESSIBLE PARKING SIGN DETAILS



NOTES:
1. SIDEWALK THICKNESS SHALL BE 4" UNLESS NOTED OTHERWISE.
2. CONTRACTION JOINTS (CJ), SPACE SAME AS SIDEWALK WIDTH.
3. THICKEN SIDEWALK TO 6" AT DRIVEWAYS.
4. THICKEN SIDEWALK TO 6" IN LAST 3' WHERE IT ABUTS PAVEMENT WITH NO CURB.
5. 1/2" EXPANSION JOINT (EJ) REQ'D AT 30' MAX., AT SIDEWALK JUNCTIONS, AT STRUCTURES AND AS NOTED ON SITE PLAN.

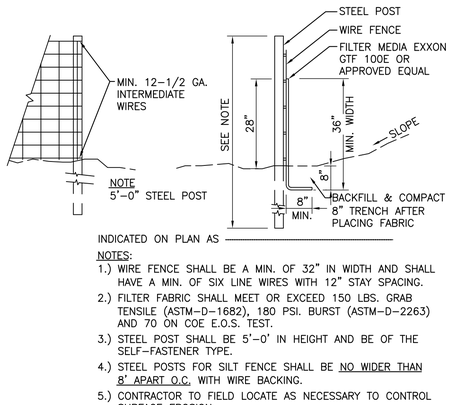
STANDARD SIDEWALK DETAIL

SCALE: N.T.S.



PAINT STRIPE DETAIL

SCALE: N.T.S.



NOTES:
1.) WIRE FENCE SHALL BE A MIN. OF 32" IN WIDTH AND SHALL HAVE A MIN. OF SIX LINE WIRES WITH 12" STAY SPACING.
2.) FILTER FABRIC SHALL MEET OR EXCEED 150 LBS. GRAB TENSILE (ASTM–D–1682), 180 PSI. BURST (ASTM–D–2263) AND 70 ON COE E.O.S. TEST.
3.) STEEL POST SHALL BE 5'–0' IN HEIGHT AND BE OF THE SELF–FASTENER TYPE.
4.) STEEL POSTS FOR SILT FENCE SHALL BE NO WIDER THAN 8' APART O.C. WITH WIRE BACKING.
5.) CONTRACTOR TO FIELD LOCATE AS NECESSARY TO CONTROL SURFACE EROSION.

TEMPORARY SILT FENCE/INLET PROTECTION

SCALE: N.T.S.

ARDURRA
ARDURRA GROUP NORTH CAROLINA
3809 Peachtree Avenue, Suite 102
Wilmington, North Carolina 28403
Phone: (910) 397-2929
www.Ardurra.com
NC FIRM LICENSE NUMBER F-0113

NO.	DATE	REVISION	BY

LANDFALL DYE CLUBHOUSE
1550 LANDFALL DRIVE, WILMINGTON, N.C.

ACCESSIBLE WALKWAY MODIFICATIONS
SITE DETAILS

ISSUED FOR REVIEW
NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 11270 08/20/2020 DAVID E. CRISER
NOT FOR CONSTRUCTION

JOB NO: 2020-0154-00
DATE: AUG. 20, 2020

CIV-2

FOR REVIEW
8/20/20

SECTION 08 71 00 – DOOR HARDWARE

PART 1 - GENERAL

1.01 RELATED DOCUMENTS

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

1.02 SUMMARY

A. Section includes:

1. Mechanical and electrified door hardware for:

a. Swinging doors.
b. Sliding doors.
c. Gates.

2. Field verification, preparation and modification of existing doors and frames to receive new door hardware.
3. The intent of the hardware specification is to specify the hardware for interior and exterior doors, and to establish a type, continuity, and standard of quality. However, it is the door hardware supplier's responsibility to thoroughly review existing conditions, schedules, specifications, drawings, and other Contract Documents to verify the suitability of the hardware specified.

B. Exclusions: Unless specifically listed in hardware sets, hardware is not specified in this section for:

1. Windows
2. Cabinets (casework), including locks in cabinets
3. Signage
4. Toilet accessories
5. Overhead doors

C. Related Sections:

1. Division 01 Section "Alternates" for alternates affecting this section.
2. Division 07 Section "Joint Sealants" for sealant requirements applicable to threshold installation specified in this section.
3. Division 09 sections for touchup, finishing or refinishing of existing openings modified by this section.

1.03 REFERENCES

A. UL - Underwriters Laboratories

1. UL 10B - Fire Test of Door Assemblies

2. UL 10C - Positive Pressure Test of Fire Door Assemblies
3. UL 1784 - Air Leakage Tests of Door Assemblies
4. UL 305 - Panic Hardware

B. DHI - Door and Hardware Institute

1. Sequence and Format for the Hardware Schedule
2. Recommended Locations for Builders Hardware
3. Key Systems and Nomenclature

C. ANSI - American National Standards Institute

1. ANSI/BHMA A156.1 - A156.29, and ANSI/BHMA A156.31 - Standards for Hardware and Specialties

1.04 SUBMITTALS

A. General:

1. Submit in accordance with Conditions of Contract and Division 01 requirements.
2. Highlight, encircle, or otherwise specifically identify on submittals deviations from Contract Documents, issues of incompatibility or other issues which may detrimentally affect the Work.
3. Prior to forwarding submittal, comply with procedures for verifying existing door and frame compatibility for new hardware, as specified in PART 3, “EXAMINATION” article, herein.

B. Action Submittals:

1. Product Data: Technical product data for each item of door hardware, installation instructions, maintenance of operating parts and finish, and other information necessary to show compliance with requirements.
2. Riser and Wiring Diagrams: After final approval of hardware schedule, submit details of electrified door hardware, indicating:

    a. Wiring Diagrams: For power, signal, and control wiring and including:
        1) Details of interface of electrified door hardware and building safety and security systems.
        2) Schematic diagram of systems that interface with electrified door hardware.
        3) Point-to-point wiring.
        4) Risers.

3. Samples for Verification: If requested by Architect, submit production sample of requested door hardware unit in finish indicated, and tagged with full description for coordination with schedule.

    a. Samples will be returned to supplier. Units that are acceptable to Architect may, after final check of operations, be incorporated into Work, within limitations of key coordination requirements.

4. Door Hardware Schedule: Submit schedule with hardware sets in vertical format as illustrated by Sequence of Format for the Hardware Schedule as published by the Door and Hardware Institute. Indicate complete designations of each item required for each door or opening, include:

a. Door Index; include door number, heading number, and Architects hardware set number.
b. Opening Lock Function Spreadsheet: List locking device and function for each opening.
c. Quantity, type, style, function, size, and finish of each hardware item.
d. Name and manufacturer of each item.
e. Fastenings and other pertinent information.
f. Location of each hardware set cross-referenced to indications on Drawings.
g. Explanation of all abbreviations, symbols, and codes contained in schedule.
h. Mounting locations for hardware.
i. Door and frame sizes and materials.
j. Name and phone number for local manufacturer's representative for each product.
k. Operational Description of openings with any electrified hardware (locks, exits, electromagnetic locks, electric strikes, automatic operators, door position switches, magnetic holders or closer/holder units, and access control components). Operational description should include operational descriptions for: egress, ingress (access), and fire/smoke alarm connections.
    1) Submittal Sequence: Submit door hardware schedule concurrent with submissions of Product Data, Samples, and Shop Drawings. Coordinate submission of door hardware schedule with scheduling requirements of other work to facilitate fabrication of other work that is critical in Project construction schedule.

5. Key Schedule:

    a. After Keying Conference, provide keying schedule listing levels of keying as well as explanation of key system's function, key symbols used and door numbers controlled.
    b. Use ANSI/BHMA A156.28 “Recommended Practices for Keying Systems” as guideline for nomenclature, definitions, and approach for selecting optimal keying system.
    c. Provide 3 copies of keying schedule for review prepared and detailed in accordance with referenced DHI publication. Include schematic keying diagram and index each key to unique door designations.
    d. Index keying schedule by door number, keyset, hardware heading number, cross keying instructions, and special key stamping instructions.
    e. Provide one complete bitting list of key cuts and one key system schematic illustrating system usage and expansion.
        1) Forward bitting list, key cuts and key system schematic directly to Owner, by means as directed by Owner.

    f. Prepare key schedule by or under supervision of supplier, detailing Owner’s final keying instructions for locks.

6. Templates: After final approval of hardware schedule, provide templates for doors, frames and other work specified to be factory or shop prepared for door hardware installation.

C. Informational Submittals:

1. Qualification Data: For Supplier, Installer and Architectural Hardware Consultant.
2. Product data for electrified door hardware:

    a. Certify that door hardware approved for use on types and sizes of labeled fire-rated doors complies with listed fire-rated door assemblies.

3. Certificates of Compliance:

a. UL listings for fire-rated hardware and installation instructions if requested by Architect or Authority Having Jurisdiction.
b. Installer Training Meeting Certification: Letter of compliance, signed by Contractor, attesting to completion of installer training meeting specified in “QUALITY ASSURANCE” article, herein.
c. Electrified Hardware Coordination Conference Certification: Letter of compliance, signed by Contractor, attesting to completion of electrified hardware coordination conference, specified in “QUALITY ASSURANCE” article, herein.

4. Warranty: Special warranty specified in this Section.

D. Closeout Submittals:

1. Operations and Maintenance Data: Provide in accordance with Division 01 and include:

a. Complete information on care, maintenance, and adjustment; data on repair and replacement parts, and information on preservation of finishes.
b. Catalog pages for each product.
c. Final approved hardware schedule, edited to reflect conditions as-installed.
d. Final keying schedule
e. As-installed wiring diagrams for each opening connected to power, both low voltage and 110 volts.
f. Copy of warranties including appropriate reference numbers for manufacturers to identify project.

1.05 QUALITY ASSURANCE

A. Supplier Qualifications and Responsibilities: Recognized architectural hardware supplier with record of successful in-service performance for supplying door hardware similar in quantity, type, and quality to that indicated for this Project.

1. Warehousing Facilities: In Project's vicinity.
2. Scheduling Responsibility: Preparation of door hardware and keying schedules.
3. Coordination Responsibility: Assist in coordinating installation of electronic security hardware with Architect and electrical engineers and provide installation and technical data to Architect and other related subcontractors.

a. Upon completion of electronic security hardware installation, inspect and verify that all components are working properly.

4. installation of electrified hardware with Architect and electrical engineers.

B. Single Source Responsibility: Obtain each type of door hardware from single manufacturer.

C. Fire-Rated Door Openings: Provide door hardware for fire-rated openings that complies with NFPA 80 and requirements of authorities having jurisdiction. Provide only items of door hardware that are listed products tested by Underwriters Laboratories, Intertek Testing Services, or other testing and inspecting organizations acceptable to authorities having jurisdiction for use on types and sizes of doors indicated, based on testing at positive pressure and according to NFPA 252 or UL 10C and in compliance with requirements of fire-rated door and door frame labels.

D. Electrified Door Hardware: Listed and labeled as defined in NFPA 70, Article 100, by testing agency acceptable to authorities having jurisdiction.

E. Accessibility Requirements: For door hardware on doors in an accessible route, comply with governing accessibility regulations cited in “REFERENCES” article, herein.

F. Keying Conference

1. Incorporate keying conference decisions into final keying schedule after reviewing door hardware keying system including:

a. Function of building, flow of traffic, purpose of each area, degree of security required, and plans for future expansion.
b. Preliminary key system schematic diagram.
c. Requirements for key control system.
d. Requirements for access control.
e. Address for delivery of keys.

1.06 DELIVERY, STORAGE, AND HANDLING

A. Inventory door hardware on receipt and provide secure lock-up for hardware delivered to Project site.

B. Tag each item or package separately with identification coordinated with final door hardware schedule, and include installation instructions, templates, and necessary fasteners with each item or package.

1. Deliver each article of hardware in manufacturer’s original packaging.

C. Project Conditions:

1. Maintain manufacturer-recommended environmental conditions throughout storage and installation periods.
2. Provide secure lock-up for door hardware delivered to Project. Control handling and installation of hardware items so that completion of Work will not be delayed by hardware losses both before and after installation.

D. Protection and Damage:

1. Promptly replace products damaged during shipping.
2. Handle hardware in manner to avoid damage, marring, or scratching. Correct, replace or repair products damaged during Work.
3. Protect products against malfunction due to paint, solvent, cleanser, or any chemical agent.

E. Deliver keys to manufacturer of key control system for subsequent delivery to Owner.

F. Deliver keys to Owner by registered mail or overnight package service.

1.07 COORDINATION

A. Installation Templates: Distribute for doors, frames, and other work specified to be factory or shop prepared. Check Shop Drawings of other work to confirm that adequate provisions are made for locating and installing door hardware to comply with indicated requirements.

B. Security: Coordinate installation of door hardware, keying, and access control with Owner's security consultant.

C. Electrical System Roughing-In: Coordinate layout and installation of electrified door hardware with connections to power supplies and building safety and security systems.

1.08 WARRANTY

A. Warranty: Manufacturer's standard form in which manufacturer agrees to repair or replace components of door hardware that fail in materials or workmanship within specified warranty period.

1. Warranty Period: Beginning from date of Substantial Completion, for durations indicated.

a. Closers:
1) Mechanical: 20 years
2) Electrified: 2 years.

b. Exit Devices:
1) Mechanical: 3 years.
2) Electrified: 1 year.

c. Locksets:
1) Mechanical: 3 years
2) Electrified: 1 year.

d. Continuous Hinges: Lifetime warranty.
e. Key Blanks: Lifetime

2. Warranty does not cover damage or faulty operation due to improper installation, improper use or abuse.

1.09 MAINTENANCE

A. Maintenance Tools: Furnish complete set of special tools required for maintenance and adjustment of hardware, including changing of cylinders.

PART 2 - PRODUCTS

2.01 MATERIALS

A. Fasteners

1. Provide hardware manufactured to conform to published templates, generally prepared for machine screw installation.
2. Furnish screws for installation with each hardware item. Finish exposed (exposed under any condition) screws to match hardware finish, or, if exposed in surfaces of other work, to match finish of this other work including prepared for paint surfaces to receive painted finish.
3. Provide concealed fasteners for hardware units exposed when door is closed except when no standard units of type specified are available with concealed fasteners. Do not use thru-bolts for installation where bolt head or nut on opposite face is exposed in other work unless thru-bolts are required to fasten hardware securely. Review door specification and advise Architect if thru-bolts are required.
4. Install hardware with fasteners provided by hardware manufacturer.

2.02 HINGES

A. Manufacturers and Products:

1. Scheduled Manufacturer and Product: Stanley FBB Series
2. Acceptable Manufacturers and Products: Hager BB series, Ives 5BB Series

B. Requirements:

1. Provide hinges conforming to ANSI/BHMA A156.1.
2. 1-3/4 inch (44 mm) thick doors, up to and including 36 inches (914 mm) wide:

   a. Exterior: Standard weight, bronze or stainless steel, 4-1/2 inches (114 mm) high
   b. Interior: Standard weight, steel, 4-1/2 inches (114 mm) high

3. 1-3/4 inch (44 mm) thick doors over 36 inches (914 mm) wide:

   a. Exterior: Heavy weight, bronze/stainless steel, 5 inches (127 mm) high
   b. Interior: Heavy weight, steel, 5 inches (127 mm) high

4. Provide three hinges per door leaf for doors 90 inches (2286 mm) or less in height, and one additional hinge for each 30 inches (762 mm) of additional door height.
5. Where new hinges are specified for existing doors or existing frames, provide new hinges of identical size to hinge preparation present in existing door or existing frame.
6. Hinge Pins: Except as otherwise indicated, provide hinge pins as follows:

   a. Steel Hinges: Steel pins
   b. Non-Ferrous Hinges: Stainless steel pins
   c. Out-Swinging Exterior Doors: Non-removable pins

7. Width of hinges: 4-1/2 inches (114 mm) at 1-3/4 inch (44 mm) thick doors, and 5 inches (127 mm) at 2 inches (51 mm) or thicker doors. Adjust hinge width as required for door, frame, and wall conditions to allow proper degree of opening.
8. Provide spring hinges where specified. Provide two spring hinges and one bearing hinge per door leaf for doors 90 inches (2286 mm) or less in height. Provide one additional bearing hinge for each 30 inches (762 mm) of additional door height.

2.03 CYLINDRICAL LOCKS – GRADE 1

A. Manufacturers and Products:

1. Scheduled Manufacturer and Product: Dorma C800
2. Acceptable Manufacturers and Products: Schlage ND Series, Sargent 10 Line

B. Requirements:

1. Provide cylindrical locks conforming to ANSI/BHMA A156.2 Series 4000, Grade 1, and UL Listed for 3 hour fire doors.
2. Cylinders: Refer to “KEYING” article, herein.
3. Provide locks with standard 2-3/4 inches (70 mm) backset, unless noted otherwise, with 1/2 inch latch throw. Provide proper latch throw for UL listing at pairs.
4. Provide locksets with separate anti-rotation thru-bolts, and no exposed screws.
5. Provide independently operating levers with two external return spring cassettes mounted under roses to prevent lever sag.
6. Provide standard ASA strikes unless extended lip strikes are necessary to protect trim.
7. Lever Trim: Solid cast levers without plastic inserts and wrought roses on both sides.

2.04 EXIT DEVICES

A. Manufacturers and Products:

1. Scheduled Manufacturer and Product: Dorma 9000 Series
2. Acceptable Manufacturers and Products: Von Duprin 98 Series, Sargent 88 Series

B. Requirements:

1. Provide exit devices tested to ANSI/BHMA A156.3 Grade 1 and UL listed for Panic Exit or Fire Exit Hardware.
2. Cylinders: Refer to “KEYING” article, herein.
3. Provide touchpad type exit devices, fabricated of brass, bronze, stainless steel, or aluminum, plated to standard architectural finishes to match balance of door hardware.
4. Touchpad must extend a minimum of one half of door width. No plastic inserts are allowed in touchpads.
5. Provide exit devices with deadlatching feature for security and for future addition of alarm kits and/or other electrified requirements.
6. Provide flush end caps for exit devices.
7. Provide exit devices with manufacturer’s approved strikes.
8. Provide exit devices cut to door width and height. Install exit devices at height recommended by exit device manufacturer, allowable by governing building codes, and approved by Architect.
9. Mount mechanism case flush on face of doors, or provide spacers to fill gaps behind devices. Where glass trim or molding projects off face of door, provide glass bead kits.
10. Provide cylinder or hex-key dogging as specified at non fire-rated openings.
11. Provide factory drilled weep holes for exit devices used in full exterior application, highly corrosive areas, and where noted in hardware sets.
12. Provide electrified options as scheduled.

2.05 CYLINDERS

A. Manufacturers and Products:

1. Scheduled Manufacturer and Product: Schlage C Keyway. Match Existing Keyway
2. Acceptable Manufacturers and Products: No Substitution

B. Requirements:

1. Provide cylinders/cores, from the same manufacturer of locksets, compliant with ANSI/BHMA A156.5; latest revision; cylinder face finished to match lockset, manufacturer’s series as indicated. Refer to “KEYING” article, herein.

2.06 DOOR CLOSERS

A. Manufacturers and Products:

1. Scheduled Manufacturer and Product: Dorma 7400 Series
2. Acceptable Manufacturers and Products: LCN 1460 series, Sargent 1400 Series

B. Requirements:

1. Provide door closers conforming to ANSI/BHMA A156.4 Grade 1 requirements by BHMA certified independent testing laboratory. ISO 9000 certify closers. Stamp units with date of manufacture code.
2. Provide door closers with fully hydraulic, full rack and pinion action with aluminum cylinder.
3. Closer Body: 1-1/2 inch (38 mm) diameter with 5/8 inch (16 mm) diameter heat-treated pinion journal.
4. Hydraulic Fluid: Fireproof, passing requirements of UL10C, and requiring no seasonal closer adjustment for temperatures ranging from 120 degrees F to -30 degrees F.
5. Spring Power: Continuously adjustable over full range of closer sizes, and providing reduced opening force as required by accessibility codes and standards.
6. Hydraulic Regulation: By tamper-proof, non-critical valves, with separate adjustment for latch speed, general speed, and backcheck.
7. Pressure Relief Valve (PRV) Technology: Not permitted.
8. Provide special templates, drop plates, mounting brackets, or adapters for arms as required for details, overhead stops, and other door hardware items interfering with closer mounting.

2.07 DOOR TRIM

A. Manufacturers:

1. Scheduled Manufacturer: Trimco
2. Acceptable Manufacturers: Ives, Rockwood.

B. Requirements:

1. Provide push plates 4 inches (102 mm) wide by 16 inches (406 mm) high by 0.050 inch (1 mm) thick and beveled 4 edges. Where width of door stile prevents use of 4 inches (102 mm) wide plate, adjust width to fit.
2. Provide push bars of solid bar stock, diameter and length as scheduled. Provide push bars of sufficient length to span from center to center of each stile. Where required, mount back to back with pull.
3. Provide offset pulls of solid bar stock, diameter and length as scheduled. Where required, mount back to back with push bar.
4. Provide flush pulls as scheduled. Where required, provide back-to-back mounted model.
5. Provide pulls of solid bar stock, diameter and length as scheduled. Where required, mount back to back with push bar.
6. Provide pull plates 4 inches (102 mm) wide by 16 inches (406 mm) high by 0.050 inch (1 mm) thick, beveled 4 edges, and prepped for pull. Where width of door stile prevents use of 4 inches (102 mm) wide plate, adjust width to fit.
7. Provide wire pulls of solid bar stock, diameter and length as scheduled.
8. Provide decorative pulls as scheduled. Where required, mount back to back with pull.

2.08 PROTECTION PLATES

A. Manufacturers:

1. Scheduled Manufacturer: Trimco.
2. Acceptable Manufacturers: Ives, Rockwood.

B. Requirements:

1. Provide kick plates, mop plates, and armor plates minimum of 0.050 inch (1 mm) thick, beveled four edges as scheduled. Furnish with sheet metal or wood screws, finished to match plates.
2. Sizes of plates:

    a. Kick Plates: 8 inches (254 mm) high by 2 inches (51 mm) less width of door on single doors, 1 inch (25 mm) less width of door on pairs
    b. Mop Plates: 4 inches (102 mm) high by 2 inches (51 mm) less width of door on single doors, 1 inch (25 mm) less width of door on pairs
    c. Armor Plates: 36 inches (914 mm) high by 2 inches (51 mm) less width of door on single doors, 1 inch (25 mm) less width of door on pairs

2.09 DOOR STOPS AND HOLDERS

A. Manufacturers:

1. Scheduled Manufacturer: Trimco
2. Acceptable Manufacturers: Ives, Rockwood.

B. Provide door stops at each door leaf:

1. Provide wall stops wherever possible. Provide convex type where mortise type locks are used and concave type where cylindrical type locks are used.
2. Where a wall stop cannot be used, provide universal floor stops for low or high rise options.
3. Where wall or floor stop cannot be used, provide medium duty surface mounted overhead stop.

2.10 THRESHOLDS, SEALS, DOOR SWEEPS, AUTOMATIC DOOR BOTTOMS, AND GASKETING

A. Manufacturers:

1. Scheduled Manufacturer:. National Guard
2. Acceptable Manufacturers: Zero International, Reese.

B. Requirements:

1. Provide thresholds, weather-stripping (including door sweeps, seals, and astragals) and gasketing systems (including smoke, sound, and light) as specified and per architectural details. Match finish of other items.
2. Smoke- and Draft-Control Door Assemblies: Where smoke- and draft-control door assemblies are required, provide door hardware that meets requirements of assemblies tested according to UL 1784 and installed in compliance with NFPA 105.
3. Size of thresholds:

    a. Saddle Thresholds: 1/2 inch (13 mm) high by jamb width by door width
    b. Bumper Seal Thresholds: 1/2 inch (13 mm) high by 5 inches (127 mm) wide by door width

4. Provide door sweeps, seals, astragals, and auto door bottoms only of type where resilient or flexible seal strip is easily replaceable and readily available.

2.11 SILENCERS

A. Manufacturers:

1. Scheduled Manufacturer: Trimco
2. Acceptable Manufacturers: Ives, Rockwood.

B. Requirements:

1. Provide "push-in" type silencers for hollow metal or wood frames.
2. Provide one silencer per 30 inches (762 mm) of height on each single frame, and two for each pair frame.
3. Omit where gasketing is specified.

PART 3 - EXECUTION

3.01 EXAMINATION

A. Prior to installation of hardware, examine doors and frames, with Installer present, for compliance with requirements for installation tolerances, labeled fire-rated door assembly construction, wall and floor construction, and other conditions affecting performance.

B. Field verify existing doors and frames receiving new hardware and existing conditions receiving new openings. Verify that new hardware is compatible with existing door and frame preparation and existing conditions.

C. Examine roughing-in for electrical power systems to verify actual locations of wiring connections before electrified door hardware installation.

D. Proceed with installation only after unsatisfactory conditions have been corrected.

3.02 INSTALLATION

A. Mount door hardware units at heights to comply with the following, unless otherwise indicated or required to comply with governing regulations.

1. Standard Steel Doors and Frames: ANSI/SDI A250.8.
2. Custom Steel Doors and Frames: HMMA 831.
3. Wood Doors: DHI WDHS.3, "Recommended Locations for Architectural Hardware for Wood Flush Doors."

B. Install each hardware item in compliance with manufacturer’s instructions and recommendations, using only fasteners provided by manufacturer.

C. Do not install surface mounted items until finishes have been completed on substrate. Protect all installed hardware during painting.

D. Set units level, plumb and true to line and location. Adjust and reinforce attachment substrate as necessary for proper installation and operation.

E. Drill and countersink units that are not factory prepared for anchorage fasteners. Space fasteners and anchors according to industry standards.

F. Install operating parts so they move freely and smoothly without binding, sticking, or excessive clearance.

G. Hinges: Install types and in quantities indicated in door hardware schedule but not fewer than quantity recommended by manufacturer for application indicated or one hinge for every 30 inches (750 mm) of door height, whichever is more stringent, unless other equivalent means of support for door, such as spring hinges or pivots, are provided.

H. Door Closers: Mount closers on room side of corridor doors, inside of exterior doors, and stair side of stairway doors from corridors. Mount closers so they are not visible in corridors, lobbies and other public spaces unless approved by Architect.

I. Closer/Holders: Mount closer/holders on room side of corridor doors, inside of exterior doors, and stair side of stairway doors.

J. Power Supplies: Locate power supplies as indicated or, if not indicated, above accessible ceilings or in equipment room, or alternate location as directed by Architect.

K. Thresholds: Set thresholds in full bed of sealant complying with requirements specified in Division 07 Section "Joint Sealants."

L. Stops: Provide floor stops for doors unless wall or other type stops are indicated in door hardware schedule. Do not mount floor stops where they may impede traffic or present tripping hazard.

M. Perimeter Gasketing: Apply to head and jamb, forming seal between door and frame.

N. Meeting Stile Gasketing: Fasten to meeting stiles, forming seal when doors are closed.

O. Door Bottoms: Apply to bottom of door, forming seal with threshold when door is closed.

3.03 FIELD QUALITY CONTROL

A. Engage qualified manufacturer trained representative to perform inspections and to prepare inspection reports.

1. Representative will inspect door hardware and state in each report whether installed work complies with or deviates from requirements, including whether door hardware is properly installed and adjusted.

3.04 ADJUSTING

A. Initial Adjustment: Adjust and check each operating item of door hardware and each door to ensure proper operation or function of every unit. Replace units that cannot be adjusted to operate as intended. Adjust door control devices to compensate for final operation of heating and ventilating equipment and to comply with referenced accessibility requirements.

1. Spring Hinges: Adjust to achieve positive latching when door is allowed to close freely from an open position of 30 degrees.
2. Door Closers: Adjust sweep period to comply with accessibility requirements and requirements of authorities having jurisdiction.

B. Occupancy Adjustment: Approximately three to six months after date of Substantial Completion, Installer's Architectural Hardware Consultant must examine and readjust each item of door hardware, including adjusting operating forces, as necessary to ensure function of doors and door hardware.

3.05 CLEANING AND PROTECTION

A. Clean adjacent surfaces soiled by door hardware installation.

B. Clean operating items as necessary to restore proper function and finish.

C. Provide final protection and maintain conditions that ensure door hardware is without damage or deterioration at time of Substantial Completion.

3.06 DOOR HARDWARE SCHEDULE

A. Hardware items are referenced in the following hardware. Refer to the above-specifications for special features, options, cylinders/keying, and other requirements.

B. Hardware Sets:

END OF SECTION

Hardware Set 01

100A, 110A, 110B, 111B

Each to have:

3- Hinges	FBB191 4.5 x 4.5 x NRP x 605	STA
1- Offset Pull	AP221J-12 x 605 Type J Mounting	TRM
1- Exit Device	9300B-EO x 605	DOR
1- Rim Cylinder	83R x 605	DOR
1- Core	73SC x 606	DOR
1- Closer	7414 SDS x 696	DOR
1- Kickplate	K0050 8” x 34” x 605	TRM

Threshold, Sweep and Weatherstrip furnished with frame

Hardware Set 02

104A, 113A

Each to have:

3- Hinges	FBB191 4.5 x 4.5 x NRP x 605	STA
1- Lockset	C853R x LVC x 605	DOR
1- Core	73SC x 606	DOR
1- Closer	7414 ARP x 696	DOR
1- Kickplate	K0050 8” x 34” x 605	TRM
1- Wall Stop	1270WX x 605	TRM
1- Threshold	425E-36”	NGP
1- Sweep	600A-36”	NGP
1- Weatherstrip	5050B-17’	NGP

Hardware Set 03

102A, 103A, 105A, 106A, 107A, 210A, 218A

Each to have:

3- Hinges	FBB179 4.5 x 4.5 x 605	STA
1- Push	1001-3 4” x 16 x 605	TRM
1- Pull	1017-3B 4” x 16” x 605	TRM
1- Closer	7414 ARP x 696	DOR
1- Kickplate	K0050 8” x 34” x 605	TRM
1- Wall Stop	1270WX x 605	TRM

Hardware Set 04

115A, 301A

Each to have:

3- Hinges	FBB179 4.5 x 4.5 x 605	STA
1- Storeroom Lock	C880R x LVC x 605	DOR
1- Core	73SC x 606	DOR
1- Wall Stop	1270WX x 605	TRM
3- Silencers	1229A	TRM

Hardware Set 05

113B

Each to have:		
3- Hinges	FBB179 4.5 x 4.5 x 605	STA
1- Lockset	C853R x LVC x 605	DOR
1- Core	73SC x 606	DOR
1- Closer	7414 SDS x 696	DOR
1- Kickplate	K0050 8” x 34” x 605	TRM
3- Silencers	1229A	TRM

Hardware Set 06

219A, 219B, 219C

Each to have:		
3- Hinges	FBB168 5 x 4.5 x 605	STA
1- Push	1001-3 4” x 16” x 605	TRM
1- Closer	7414 ARP x 696	DOR
1- Kickplate	K0050 8” x 34” x 605	TRM
1- Wall Stop	1270WX x 605	TRM

Hardware Set 07

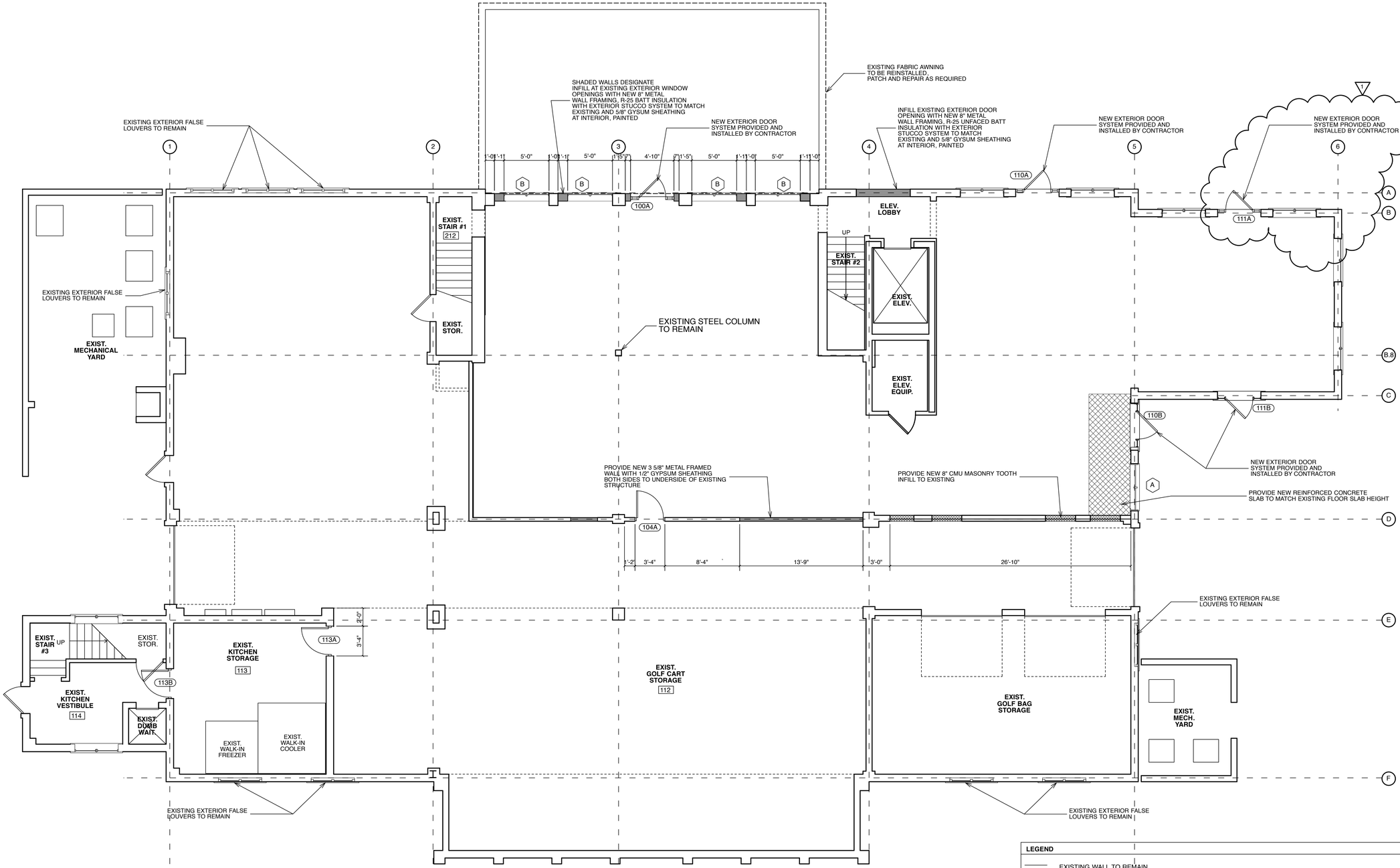
204A, 211A, 217A

Each to have:		
3- Hinges	FBB179 4.5 x 4.5 x 605	STA
1- Storeroom Lock	C880R x LVC x 605	DOR
1- Core	73SC x 606	DOR
1- Wall Stop	1270WX x 605	TRM

Hardware Set 08

200A, 201A

Each to have:		
8- Hinges	FBB179 4.5 x 4.5 x 626	STA
4- Ladder Pulls	AP414 5536 Type G Mounting x 605	TRM
2- Closers	7414 ARP x 696	DOR
2- Kickplates	K0050 8” x 34” x 605	TRM
2- Wall Stops	1270WX x 605	TRM



PROJECT NORTH

TRUE NORTH

1 / A2.0 FIRST FLOOR RENO PLAN

Scale: 3/16" = 1'-0"

GENERAL NOTE:

REPLACE ALL EXISTING WINDOWS IN EXISTING OPENINGS UNLESS NOTED OTHERWISE

LEGEND

- EXISTING WALL TO REMAIN
- NEW METAL FRAMED STUD WALL WITH 5/8" GYPSUM BOARD SHEATHING
- NEW 8" CMU WALL TO MATCH EXISTING WALL TYPE
- (A) NEW WINDOW DESIGNATION
- (2'6") NEW DOOR DESIGNATION

BOWMAN MURRAY HEMINGWAY
ARCHITECTS
514 Market Street
Wilmington, NC 28401
Tel - (910) 762-2621
Fax - (910) 762-8506

BOWMAN, MURRAY, HEMINGWAY, ARCHITECTS, P.A. REGISTERED ARCHITECTURAL CORPORATION NORTH CAROLINA WILMINGTON, N.C. CERT. NO. 50424

Renovations to:
The Country Club of Landfall
Dye Club House
Demolition, Window & Roof Replacement
Wilmington, North Carolina

REV.	DATE	DESCRIPTION
1	7.13.20	ASI #1: Added Exterior Door #111A at Pro Shop

NO.	DATE	ISSUE NOTE

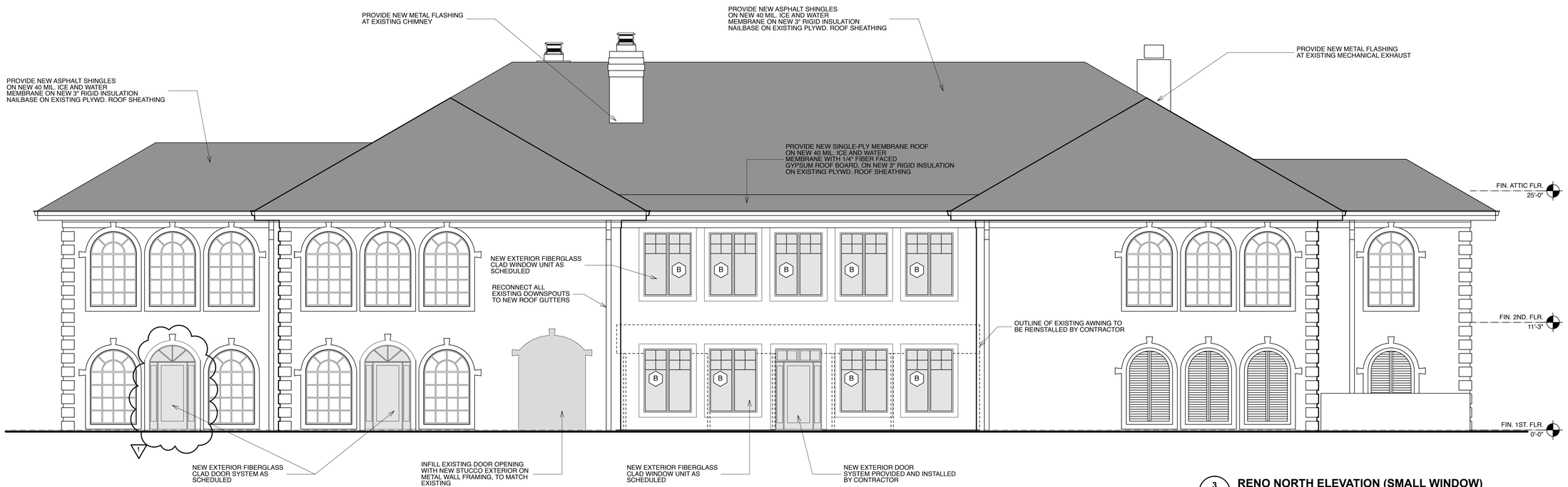
Project Manager	Drawn By: CWG
Date: 5-18-2020	Reviewed By: JDM
Project ID	

Sheet Title

FIRST FLOOR RENO PLAN

Sheet No.

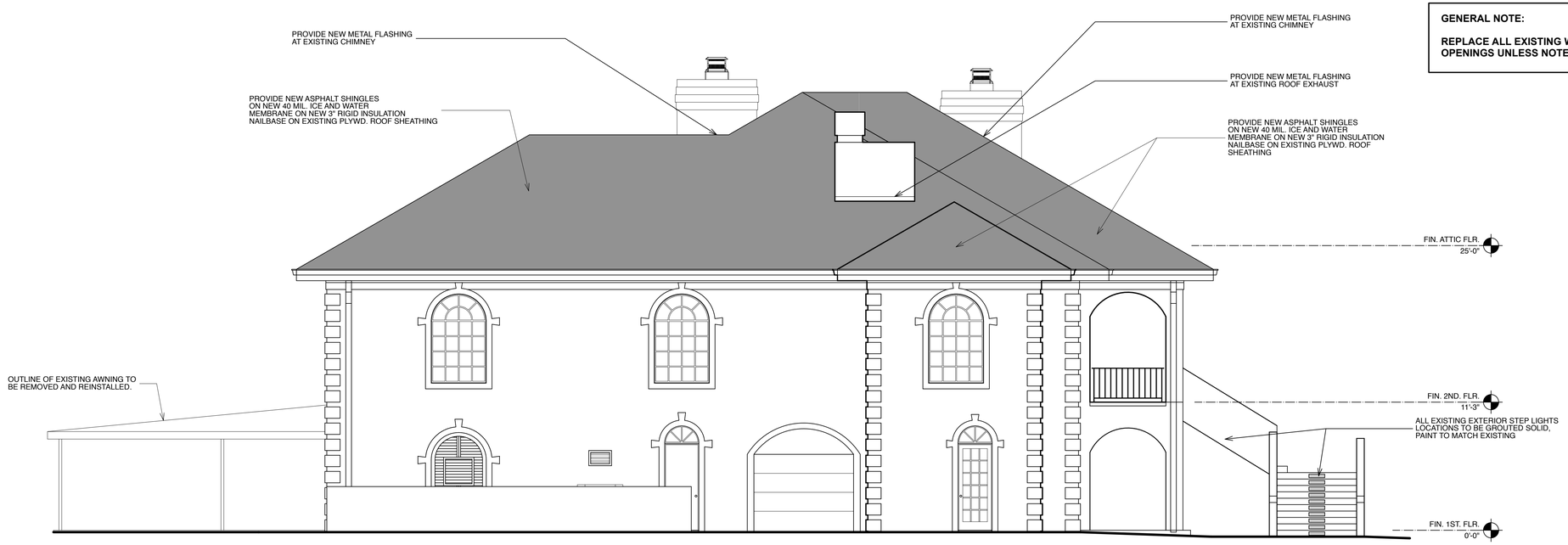
A2.0



3 / A3.0 RENO NORTH ELEVATION (SMALL WINDOW)
Scale: 3/16" = 1'-0"

GENERAL NOTE:

REPLACE ALL EXISTING WINDOWS IN EXISTING OPENINGS UNLESS NOTED OTHERWISE



2 / A3.0 RENO WEST ELEVATION
Scale: 3/16" = 1'-0"

BOWMAN MURRAY HEMINGWAY
ARCHITECTS
514 Market Street
Wilmington, NC 28401
Tel - (910) 762-2621
Fax - (910) 762-8506

BOWMAN MURRAY HEMINGWAY ARCHITECTS PA REGISTERED ARCHITECTURAL CORPORATION NORTH CAROLINA CERT. NO. 50424 WILMINGTON, N. C.

Renovations to:
The Country Club of Landfall
Dye Club House
Demolition, Window & Roof Replacement
Wilmington, North Carolina

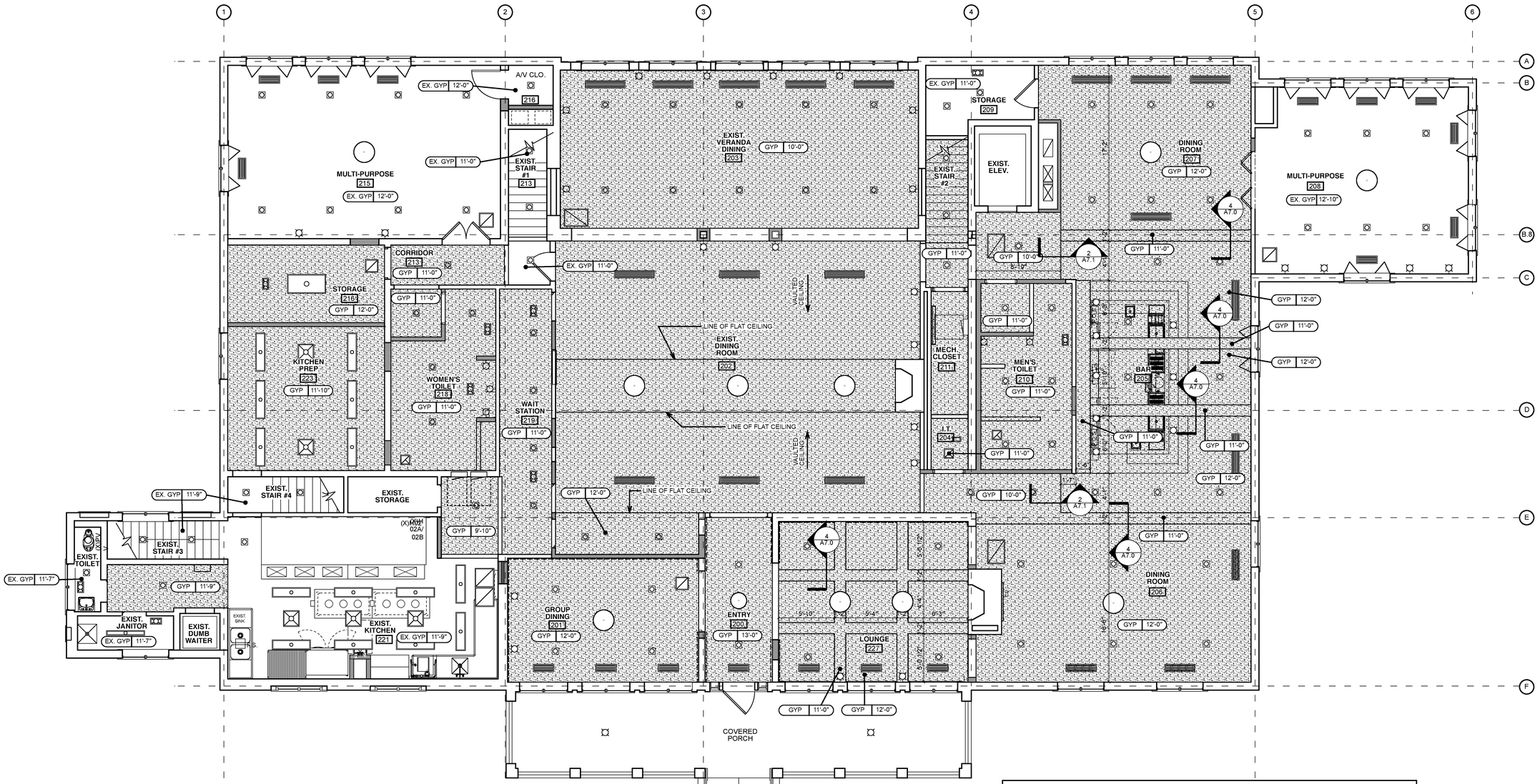
REV.	DATE	DESCRIPTION
1	7.13.20	ASI #1: Added Exterior Door #111A at Pro Shop

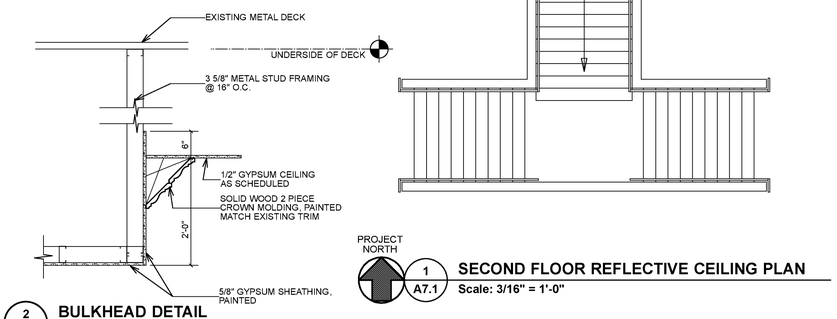
NO.	DATE	ISSUE NOTE

Project Manager	Drawn By: CWG
Date: 5-18-2020	Reviewed By: JDM
Project ID	

Sheet Title
RENOVATION EXTERIOR ELEVATIONS

Sheet No.
A3.0





2 / A7.1 **BULKHEAD DETAIL**
Scale: 3/4" = 1'-0"

PROJECT NORTH

1 / A7.1 **SECOND FLOOR REFLECTIVE CEILING PLAN**
Scale: 3/16" = 1'-0"

LEGEND

- EXIT LIGHT - SEE ELECTRICAL
- EMERGENCY LIGHT FIXTURE - SEE ELECTRICAL
- LAY-IN FLUORESCENT LIGHT FIXTURE SEE ELEC. DRAWINGS FOR SIZE
- RECESSED CAN LIGHT FIXTURE
- HVAC SUPPLY DIFFUSER - SEE MECHANICAL
- HVAC RETURN DIFFUSER - SEE MECHANICAL
- EXHAUST FAN - SEE MECHANICAL
- OCCUPANCY SENSOR - SEE ELECTRICAL
- FIRE ALARM CEILING DEVICE, SEE FIRE ALARM DRAWINGS
- SMOKE DETACTOR SEE FIRE ALARM DRAWINGS
- CEILING MOUNTED SPEAKER SEE ELECTICAL DRAWINGS
- ACOUSTICAL CEILING TILE AND GRID
- GYP 12'-0" — CEILING TYPE / CEILING HEIGHT
- GYP = GYPSUM BD., 1/2", PAINTED. EGAP = EXPOSED GRID ACOUSTIC PANEL STRUCT. = EXPOSED STRUCTURE EX.GYP = EXISTING GYPSUM BD, PAINTED

BOWMAN MURRAY HEMINGWAY
ARCHITECTS
514 Market Street
Wilmington, NC 28401
Tel - (910) 762-2621
Fax - (910) 762-8506

BOWMAN MURRAY HEMINGWAY ARCHITECTS — REGISTERED ARCHITECTURAL CORPORATION — CERT. NO. 50424 — NORTH CAROLINA — WILMINGTON, N.C.

JOHN DOUGLAS MURRAY — REGISTERED ARCHITECT — 6437 — NORTH CAROLINA — WILMINGTON, N.C. — 8.14.2020

Renovations to:
The Country Club of Landfall
Dye Club House

Wilmington, North Carolina

REV.	DATE	DESCRIPTION
1	08.10.20	Addendum #1: Ceiling Lighting Revised

NO.	DATE	ISSUE NOTE

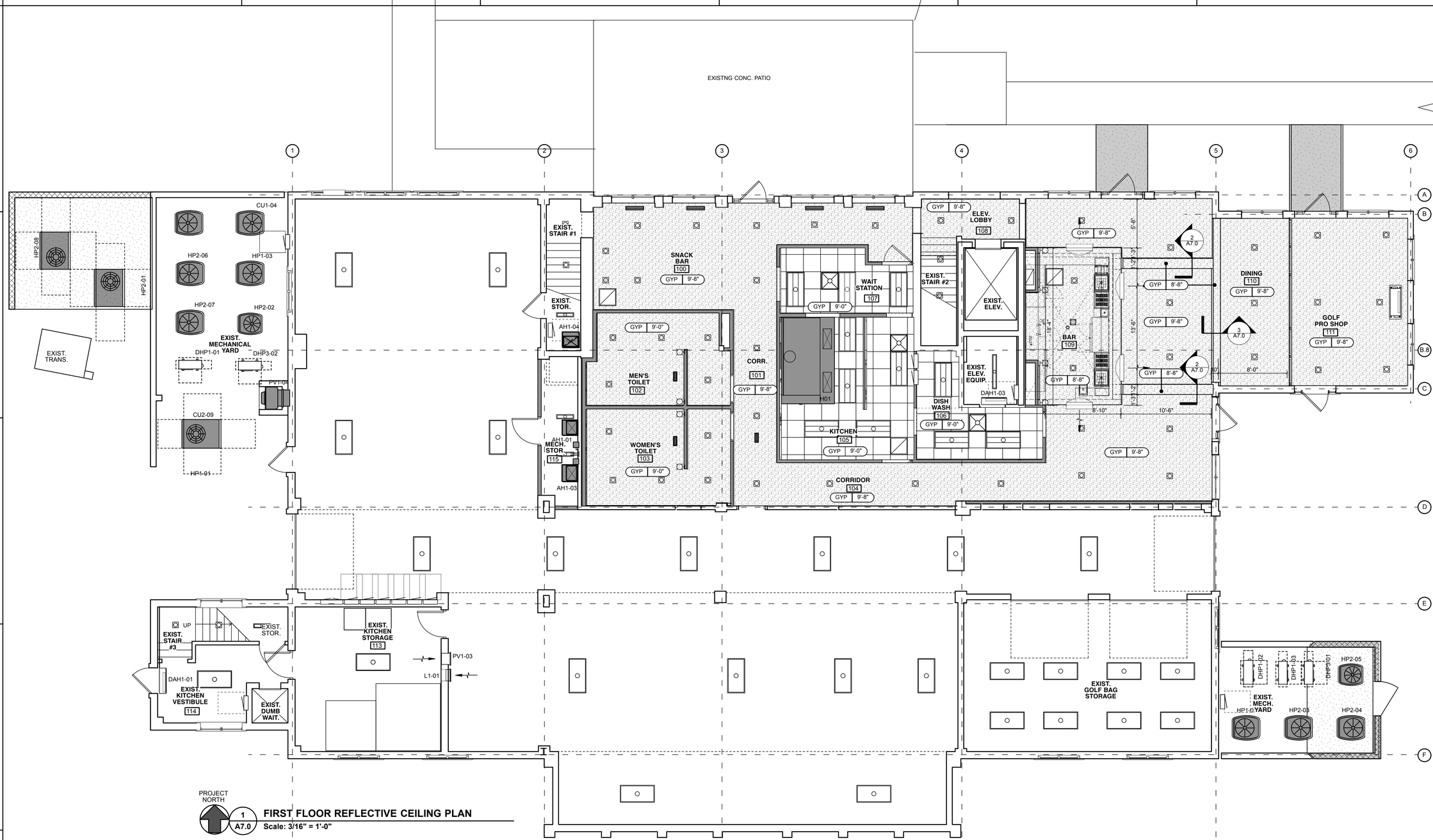
Project Manager	Drawn By
Date 7-29-2020	Reviewed By
Project ID	

Sheet Title

SECOND FLOOR REFLECTIVE CEILING PLAN

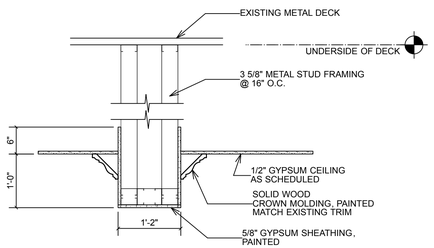
Sheet No.

A7.1

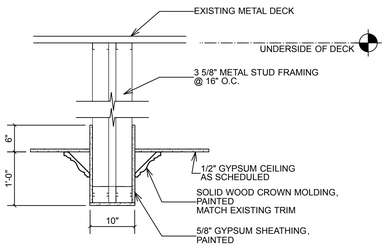


PROJECT NORTH

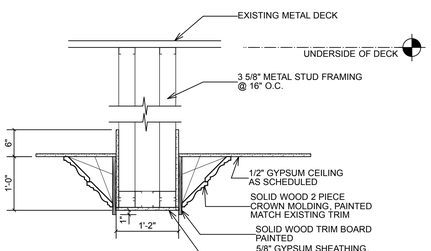
1 / A7.0 **FIRST FLOOR REFLECTIVE CEILING PLAN**
Scale: 3/16" = 1'-0"



2 / A7.0 **CEILING COFFER DETAIL @ FIRST FLOOR**
Scale: 3/4" = 1'-0"



3 / A7.0 **CEILING COFFER DETAIL @ FIRST FLOOR**
Scale: 3/4" = 1'-0"



4 / A7.0 **CEILING COFFER DETAIL @ SECOND FLOOR**
Scale: 3/4" = 1'-0"

LEGEND

- EXIT LIGHT - SEE ELECTRICAL
- EMERGENCY LIGHT FIXTURE - SEE ELECTRICAL
- LAY-IN FLUORESCENT LIGHT FIXTURE SEE ELEC. DRAWINGS FOR SIZE
- RECESSED CAN LIGHT FIXTURE
- HVAC SUPPLY DIFFUSER - SEE MECHANICAL
- HVAC RETURN DIFFUSER - SEE MECHANICAL
- EXHAUST FAN - SEE MECHANICAL
- OS — OCCUPANCY SENSOR - SEE ELECTRICAL
- F — FIRE ALARM CEILING DEVICE, SEE FIRE ALARM DRAWINGS
- S — SMOKE DETACTOR SEE FIRE ALARM DRAWINGS
- S — CEILING MOUNTED SPEAKER SEE ELECTICAL DRAWINGS
- ACOUSTICAL CEILING TILE AND GRID
- GYP 12'-0" — CEILING TYPE / CEILING HEIGHT

GYP = GYPSUM BD., 1/2", PAINTED.
EGAP = EXPOSED GRID ACOUSTIC PANEL
STRUCT. = EXPOSED STRUCTURE
EX.GYP = EXISTING GYPSUM BD, PAINTED

BOWMAN MURRAY HEMINGWAY
ARCHITECTS
514 Market Street
Wilmington, NC 28401
Tel - (910) 762-2621
Fax - (910) 762-8506

BOWMAN, MURRAY, HEMINGWAY, ARCHITECTS, P.A. REGISTERED ARCHITECTURAL CORPORATION NORTH CAROLINA WILMINGTON, N. C. CERT. NO. 50424

JOHN DOUGLAS MURRAY REGISTERED ARCHITECT NORTH CAROLINA WILMINGTON, N.C. 6437 8.14.2020

Renovations to:
The Country Club of Landfall
Dye Club House
Wilmington, North Carolina

REV.	DATE	DESCRIPTION
1	08.10.20	Addendum #1: Ceiling Lighting Revised

NO.	DATE	ISSUE NOTE

Project Manager	Drawn By
Date: 7-29-2020	Reviewed By
Project ID	

Sheet Title
FIRST FLOOR REFLECTIVE CEILING PLAN

Sheet No.
A7.0

April 23, 2019 P:\2020\0154-00 Dye Clubhouse Renovations\Civil\CURRENT WORKING\ACCESS WALKWAY 8-20-20\CS1-CS-2-LANDFALL SIDEWALK.dwg

SITE PLAN

10 5 0 10 10 10

SCALE: 1"=10'-0"

PLAN NOTES:

1. CONTRACTOR TO MINIMIZE DAMAGE TO EXISTING LANDSCAPING AND GRASS.
2. CONTRACTOR TO PROVIDE FILL MATERIAL, IF REQUIRED TO FACILITATE THE CONSTRUCTION OF THE WALKWAY AT PROPER SLOPES.
3. SEE SHEET CS-2 FOR SITE DETAILS.

0 10'-0" 20'-0"

SCALE: FEET

ARDURRA
ARDURRA GROUP NORTH CAROLINA
3809 Peachtree Avenue, Suite 102
Wilmington, North Carolina 28403
Phone: (910) 397-2929
www.Ardurra.com
NC FIRM LICENSE NUMBER F-0113

NO.	DATE	REVISION	BY

LANDFALL DYE CLUBHOUSE
1550 LANDFALL DRIVE, WILMINGTON, N.C.

ACCESSIBLE WALKWAY MODIFICATIONS
SITE PLAN

ISSUED FOR REVIEW

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 11270 08/20/2020 DAVID E. CRISER

NOT FOR CONSTRUCTION

JOB NO: 2020-0154-00
DATE: AUG. 20, 2020

CIV-1

FOR REVIEW
8/20/20

2018 APPENDIX B
BUILDING CODE SUMMARY FOR ALL COMMERCIAL PROJECTS
(EXCEPT 1 AND 2-FAMILY DWELLINGS AND TOWNHOUSES)
(Reproduce the following data on the building plans sheet 1 or 2)

Name of Project: Renovations to: The Country Club of Landfall Dye Club House
Address: 1550 Landfall Drive, Wilmington NC Zip code: 28405
Owner/Authorized Agent: John D. Murray, AIA Phone #: 910-762-2621 E-mail: murray@bmharch.com
Owned by: ☐ City / County ☒ Private ☐ State
Code Enforcement Jurisdiction: ☐ City ☒ County New Hanover ☐ State

CONTACT: John D. Murray, AIA

DESIGNER	FIRM	NAME	LICENSE #	TELE. #	E-MAIL
Architectural	Bowman Murray Hemingway	John D. Murray	6437	910-762-2621	murray@bmharch.com
Civil					
Electrical	CBHF Engineers	Allen Cribb	23311	910-791-4000	acribb@cbhfengineers.com
Fire Alarm	CBHF Engineers	Allen Cribb	23311	910-791-4000	acribb@cbhfengineers.com
Plumbing	CBHF Engineers	David Hahn	23551	910-791-4000	dhahn@cbhfengineers.com
Mechanical	CBHF Engineers	David Hahn	23551	910-791-4000	dhahn@cbhfengineers.com
Sprinkler-Standpipe	CBHF Engineers	David Hahn	23551	910-791-4000	dhahn@cbhfengineers.com
Structural					
Retaining Walls > 5' High					
Other					

("Other" should include firms and individuals such as truss, precast, pre-engineered, interior designers, etc.)

2018 NC BUILDING CODE: ☐ New Building ☐ Addition ☐ Renovation [1]
☐ 1st Time Interior Completion
☐ Shell/Core - Contact the local inspection jurisdiction for possible additional procedures and requirements
☐ Phased Construction - Shell/Core - Contact the local inspection jurisdiction for possible additional procedures and requirements.

2018 NC BUILDING CODE: EXISTING: ☒ Prescriptive ☒ Repair ☐ Chapter 14
Alteration: ☐ Level I ☐ Level II ☒ Level III [1]
☐ Historic Property ☐ Change of Use

CONSTRUCTED: (date) 1988 **CURRENT OCCUPANCY(S) (Ch.3) :** A-2 DINING, BUSINESS
RENOVATED: (date) 1992 (reputed) **PROPOSED OCCUPANCY(S) (Ch.3) :** A-2 DINING, BUSINESS

RISK CATEGORY (Table 1604.5) **Current:** ☐ I ☐ II ☒ III ☐ IV
Proposed: ☐ I ☐ II ☒ III ☐ IV

BASIC BUILDING DATA:

Construction Type: ☐ I-A ☐ II-A ☐ III-A ☐ IV ☐ V-A
(check all that apply) ☐ I-B ☐ II-B ☐ III-B ☒ V-B
Sprinklers: ☐ No ☐ Partial ☒ Yes ☒ NFPA 13 ☐ NFPA 13R ☐ NFPA 13D
Standpipes: ☒ No ☐ Yes Class ☐ I ☐ II ☐ III ☐ Wet ☐ Dry
Fire District: ☒ No ☐ Yes **Flood Hazard Area:** ☒ No ☐ Yes
Special Inspections Required: ☒ No ☐ Yes (Contact the local inspection jurisdiction for additional procedures and requirements.)

Gross Building Area Table

FLOOR	EXISTING (SQ. FT.)	NEW (SQ. FT.)	SUB-TOTAL
3rd Floor			
2nd Floor	7,876	0	7,876
1st Floor	7,910	0	7,910
Basement			
TOTAL	15,786 SF		15,786 SF

ALLOWABLE AREA

Primary Occupancy Classification(s):
Assembly ☐ A-1 ☒ A-2 ☐ A-3 ☐ A-4 ☐ A-5
Business ☐
Educational ☐
Factory ☐ F-1 Moderate ☐ F-2 Low
Hazardous ☐ H-1 Detonate ☐ H-2 Deflagrate ☐ H-3 Combust ☐ H-4 Health ☐ H-5 HPM
Institutional ☐ I-1 Condition ☐ 1 ☐ 2
☐ I-2 Condition ☐ 1 ☐ 2
☐ I-3 Condition ☐ 1 ☐ 2 ☐ 3 ☐ 4 ☐ 5
☐ I-4 Condition
Mercantile ☐ I-1 Condition
Residential ☐ R-1 ☐ R-2 ☐ R-3 ☐ R-4
Storage ☐ S-1 Moderate ☒ S-2 Low ☐ High-piled
☐ Parking Garage ☐ Open ☐ Enclosed ☐ Repair Garage
Utility and Miscellaneous ☐

Accessory Occupancy Classification(s):
Incidental Uses (Table 509):
Special Uses (Chapter 4 - List Code Sections):
Special Provisions: (Chapter 5 - List Code Sections):

Mixed Occupancy: ☐ No ☒ Yes Separation: 0 Hr. Exception: 508.3

☒ **Non-Separated Use** (508.3) - The required type of construction for the building shall be determined by applying the height and area limitations for each of the applicable occupancies to the entire building. The most restrictive type of construction, so determined, shall apply to the entire building.

☐ **Separated Use** (508.4) - See below for area calculations for each story, the area of the occupancy shall be such that the sum of the ratios of the actual floor area of each use divided by the allowable floor area for each shall not exceed 1.

$$\frac{\text{Area of Occupancy A}}{\text{Allowable Area of Occupancy A}} + \frac{\text{Area of Occupancy B}}{\text{Allowable Area of Occupancy B}} \leq 1$$

____ + ____ + ____ = ____ ≤1.00

STORY NO.	DESCRIPTION AND USE	(A) BLDG AREA PER STORY (ACTUAL)	(B) TABLE 506.2 AREA [4]	(C) AREA FOR FRONTAGE INCREASE [1,5]	(D) AREA PER STORY OR UNLIMITED [2,3]
1	A-2 Dining	7,876	18,000	4,500	22,500
2	A-2 Dining, Storage	7,910	18,000	4,500	22,500

[1] Frontage area increases from Section 506.3 are computed thus:
a. Perimeter which fronts a public way or open space having 20 feet minimum width = 382 (F)
b. Total Building Perimeter = 382 (P)
c. Ratio (F/P) = 1 (F/P)
d. W = Minimum width of public way = 30 (W)
e. Percent of frontage increase Equation 5-5: If = [F/P - 0.25] x W/30 = 1 - 0.25 x 1 = 75 (%)
Allowable Area with frontage increase; use Equation 5-3 Mixed-occupancy, Multi-story for each floor.
Aa = At + (NS x It) = 18,000 + 6,000 (.75) = 28,500
[2] Unlimited area applicable under conditions of Section 507.
[3] Maximum Building Area = total number of stories in the building x D (maximum 3 stories) (506.2).
[4] The maximum area of open parking garages must comply with Table 406.5.4.
[5] Frontage increase is based on the unsprinklered area value in Table 506.2.

ALLOWABLE HEIGHT

	ALLOWABLE	SHOWN ON PLANS	CODE REFERENCE [1]
BUILDING HEIGHT IN FEET (TABLE 504.3) [2]	60	32	
BUILDING HEIGHT IN STORIES (TABLE 504.4) [3]	2	2	

[1] Provide code reference if the "Shown on Plans" quantity is not based on Table 504.3 or 504.4.
[2] The maximum height of air traffic control towers must comply with table 412.3.1.
[3] The maximum height of open parking garages must comply with table 406.5.4.

FIRE PROTECTION REQUIREMENTS

BUILDING ELEMENT	FIRE SEPARATION DISTANCE (FEET)	RATING REQ'D	RATING PROVIDED (W/ ____ REDUCTION)	DETAIL # AND SHEET #	DESIGN # FOR RATED ASSEMBLY	SHEET # FOR RATED PENETRATION	SHEET # FOR RATED JOINTS
Structural frame, including columns, girders, trusses	30'+	0-hr	0-hr				
Bearing walls	30'+	0-hr	0-hr				
Exterior							
North							
East							
West							
South							
Interior							
Nonbearing walls and partitions							
Exterior Walls	30'+	0-hr	0-hr				
North							
East							
West							
South							
Interior Walls and partitions		0-hr	0-hr				
Floor Construction Including supporting beams and joists		0-hr	0-hr				
Floor Ceiling Assembly		0-hr	0-hr				
Columns Supporting Floors							
Roof Construction Including supporting beams & joists		0-hr	0-hr				
Roof ceiling assembly		0-hr	0-hr				
Columns supporting roof							
Shaft Enclos.- Exit		N/A	N/A				
Shaft Enclos.- Other		N/A	N/A				
Corridor Separation		0-hr	0-hr w/ exception 1020.1.c (fire sprinkler system)				
Occupancy/ Fire Barrier Separation		N/A	N/A				
Party/Fire Wall Separation		N/A	N/A				
Smoke Barrier Separation		N/A	N/A				
Tenant/ Dwelling unit/ Sleeping unit separation		N/A	N/A				
Incidental Use Separation		N/A	N/A				

*Indicate section number permitting reduction

PERCENTAGE OF WALL OPENING CALCULATIONS

FIRE SEPARATION DISTANCE (FEET) FROM PROPERTY LINES	DEGREE OF OPENINGS PROTECTION (TABLE 705.8)	ALLOWABLE AREA (%)	ACTUAL SHOWN ON PLANS (%)
30+	Unprotected / Sprinkled	No Limit	N/A

LIFE SAFETY SYSTEM REQUIREMENTS

Emergency Lighting: ☐ No ☒ Yes
Exit Signs: ☐ No ☒ Yes
Fire Alarm: ☐ No ☒ Yes
Smoke Detection Systems: ☐ No ☒ Yes ☐ Partial
Carbon Monoxide Detection: ☒ No ☐ Yes

LIFE SAFETY PLAN REQUIREMENTS

Life Safety Plan #: CS-3
☐ Fire and / or smoke rated wall locations (Chapter 7)
☐ Assumed and real property line locations (if not on the site plan)
☐ Exterior wall opening area with respect to distance to assumed property lines (705.8)
☒ Occupancy Use for each area as it relates to occupant load calculation (Table 1004.1.2)
☒ Occupant loads for each area.
☒ Exit access travel distances (1017)
☐ Common path of travel distances (Tables 1006.2.1 & 1006.3.2(1))
☐ Dead end lengths (1020.4)
☒ Clear exit widths for each exit door
☒ Maximum calculated occupant load capacity each exit door can accomodate based on egress width (1005.3)
☒ Actual occupant load for each exit door
☐ A separate schematic plan indicating where fire rated floor/ ceiling and/ or roof structure is provided for purposes of occupancy separation.
☒ Location of doors with panic hardware (1010.1.10)
☐ Location of doors with delayed egress locks and amount of delay (1010.1.9.7)
☐ Location of doors with electromagnetic egress locks (1010.1.9.9)
☐ Location of doors with hold-open devices
☐ Location of emergency escape windows (1030)
☐ The square footage of each fire area (202)
☐ The square footage of each smoke compartment for Occupancy Classification I-2 (407.5)
☐ Note any code exceptions or table notes that may have been utilized regarding items above

ACCESSIBLE DWELING UNITS (SECTION 1107)
(NOT APPLICABLE)

TOTAL UNITS	ACCESSIBLE UNITS REQUIRED	ACCESSIBLE UNITS PROVIDED	TYPE A UNITS REQUIRED	TYPE A UNITS PROVIDED	TYPE B UNITS REQUIRED	TYPE B UNITS PROVIDED	TOTAL ACCESSIBLE UNITS PROVIDED

ACCESSIBLE PARKING (SECTION 1106) (NOT APPLICABLE)

LOT OR PARKING AREA	TOTAL # OF PARKING SPACES		# OF ACCESSIBLE SPACES PROVIDED			TOTAL # ACCESSIBLE PROVIDED
	REQUIRED	PROVIDED	REGULAR WITH 5' ACCESS AISLE	VAN SPACES WITH 132" ACCESS AISLE	VAN SPACES WITH 8' ACCESS AISLE	
Proposed						
TOTAL						

PLUMBING FIXTURE REQUIREMENTS (TABLE 2902.1)

USE		WATERCLOSETS MALE	WATERCLOSETS FEMALE	WATERCLOSETS UNISEX	URINALS	LAVATORIES MALE	LAVATORIES FEMALE	LAVATORIES UNISEX	SHOWERS / TUBS	DRINKING FOUNTAINS REGULAR	DRINKING FOUNTAINS ACCESSIBLE
SPACE	EXIST'G			1				1			
	NEW	2	7		4	3	4				
	REQ'D	2	4	0	2	3	3	0		0	0

PLUMBING FIXTURE CALCULATIONS

Total Occupancy Load = 429 (A-2) + 41 (B) = **470**

Assembly A-2 Dining = 378 (interior) + 51 (exterior) = **419**
Women / Men Ratio = 50/50
429 / 2 = 215 each sex
Female Watercloset = 1 per 75 = 215 / 75 = 2.9 = 3
Male Watercloset = 1 per 75 = 215 / 75 = 2.9 = 3
Lavatories = 1 per 200 = 215 / 200 = 1.1 = 2 each
Drinking Fountain = 0 per NCPC 410.4 restaurants

Business (Club Staff & Golf course support) = **41**
Women / Men Ratio = 50/50
41 / 2 = 21 each sex
Watercloset = 1 per 25 for first 50 = 21 / 25 = 1 WC each
Lavatories = 1 per 40 for the first 80 = 40 / 21 = 1 LAV each
Drinking Fountain = 0 per NCPC 410.4 restautrants

Total Fixtures Required:
Female WC = 3 (A-2) + 1 (B) = 4 ; LAV = 2 (A-2) + 1 (B) = 3
Male WC = 3 (A-2) + 1 (B) = 4 ; LAV = 2 (A-2) + 1 (B) = 3 (Note: 2 Urinals substituted for 2 WC)

SPECIAL APPROVALS

Special approval: (Local Jurisdiction, Department of Insurance, OSC, DPI, DHHS, etc., describe below)
Local Jurisdiction

ENERGY SUMMARY

ENERGY REQUIREMENTS:
The following data shall be considered minimum and any special attribute required to meet the energy code shall also be provided. Each Designer shall furnish the required portions of the project information for the plan data sheet. If performance method, state the annual energy cost for the standard reference design vs annual energy cost for the proposed design.

Existing building envelope complies with code: ☐ No ☒ Yes (The remainder of this section is not applicable)
Exempt Building: ☐ No ☐ Yes (Provide code or statutory reference:)
Climate Zone: ☒ 3A ☐ 4A ☐ 5A
Method of Compliance: Energy Code ☐ Performance ☒ Prescriptive
ASHRAE 90.1 ☐ Performance ☐ Prescriptive
(If "Other" specify source here)

THERMAL ENVELOPE (Prescriptive method only)

Roof/ ceiling Assembly (each assembly)
Description of assembly: Existing non-vented nailable roof panel assembly Fiberglass shingles on 1/2" wood sheathing on 3" rigid insul. on 1/2" wood sheathing
U-Value of total assembly: 0.06
R-Value of insulation: R-15
Skylights in each assembly: N/A
U-Value of skylight:
total square footage of skylights in each assembly:

Exterior Walls (each assembly)
Description of assembly: Existing Wall Assembly: Stucco on 1-1/2" rigid on 1/2" sheathing on 8" metal studs w/R-21 batt insul.
U-Value of total assembly: 0.034
R-Value of insulation: 7.5" + 21 = 28.5

Openings (windows or doors with glazing)
U-Value of assembly: 0.45 max. BTU /HR/SF/F
Solar heat gain coefficient: 0.33 SHG max. for 2nd floor windows 0.25 SHG max. for 1st floor windows
projection factor: 0.34 PF @ 2nd floor windows 0.15 PF @ 1st floor windows
Door R-values: Entrance doors: R-1.3 min. U-0.77 max. Other doors: R-2.2 min. U-0.45 max.

Walls below grade (each assembly)
Description of assembly: N/A
U-Value of total assembly: N/A
R-Value of insulation: N/A

Floors over unconditioned space (each assembly)
Description of assembly: N/A
U-Value of total assembly: N/A
R-Value of insulation: N/A

Floors slab on grade
Description of assembly: 4" CONCRETE SLAB
U-Value of total assembly: 0.9 BTU/HR/SF/F
R-Value of insulation:
Horizontal/ vertical requirement: HORIZONTAL
slab heated: NO

STRUCTURAL DESIGN

DESIGN LOADS:
Importance Factors: Snow (I_s) ____ Seismic (I_E) ____
Live Loads: Roof ____ psf Mezzanine ____ psf Floor ____ psf
Ground Snow Loads: ____ psf
Wind Loads: Ultimate Wind Speed ____ mph (ASCE-7) Exposure Category ____

SEISMIC DESIGN CATEGORY: ☐ A ☐ B ☐ C ☐ D
Provide the following Seismic Design Parameters:
Risk Category (Table 1604.5) ☐ I ☐ II ☐ III ☐ IV
Spectral Response Acceleration SS ____ %g SI ____ %g
Site Classification (ASCE 7) ☐ A ☐ B ☐ C ☐ D ☐ E ☐ F
Data Source: ☐ Field Test ☐ Presumptive ☐ Historical Data
Basic Structural System ☐ Bearing Wall ☐ Dual w/Special Moment Frame ☐ Building Frame ☐ Dual w/Intermediate R/C or Special Steel ☐ Moment Frame ☐ Inverted Pendulum
Analysis Procedure ☐ Simplified ☐ Equivalent Lateral Force ☐ Dynamic
Architectural, Mechanical, Components anchored? ☐ Yes ☐ No
LATERAL DESIGN CONTROL: Earthquake ☐ Wind ☐

SOIL BEARING CAPACITIES:
Field Test (provide copy of test report) ____ psf
Presumptive Bearing capacity ____ psf
Pile size, type, and capacity ____

MECHANICAL SUMMARY

MECHANICAL SYSTEMS, SERVICE SYSTEMS AND EQUIPMENT

Thermal Zone: 3A
winter dry bulb: 23º F
summer dry bulb: 95º F
Interior design conditions
winter dry bulb: 70º F
summer dry bulb: 75º F
relative humidity: 60% - Designed - Not Controlled
Building heating load: 440 MBH
Building cooling load: 675 MBH

Mechanical Spacing Conditioning System
Unitary
description of unit: See Mechanical Schedules
heating efficiency: See Mechanical Schedules
cooling efficiency: See Mechanical Schedules
size category of unit: See Mechanical Schedules
Boiler
Size category. If oversized, state reason: N/A
Chiller
Size category. If oversized, state reason: N/A
List equipment efficiencies: See Mechanical Schedules

ELECTRICAL SUMMARY

ELECTRICAL SYSTEM AND EQUIPMENT

Method of Compliance:
Energy Code: ☒ Prescriptive ☐ Performance
ASHRAE 90.1: ☐ Prescriptive ☐ Performance

Lighting schedule (each fixture type)
lamp type required in fixture: (See Fixture Schedule)
number of lamps in fixture: (See Fixture Schedule)
ballast type used in the fixture: (See Fixture Schedule)
number of ballasts in fixture: (See Fixture Schedule)
total wattage per fixture: (See Fixture Schedule)
total interior wattage specified vs allowed (whole building or space by space) Allowed: 19,548 / specified: 14,613
total exterior wattage specified vs allowed Allowed: 1,080 / Specified: 235

Additional Prescriptive Compliance
☐ 506.2.1 More Efficient Mechanical Equipment
☒ 506.2.2 Reduced Lighting Power Density
☐ 506.2.3 Energy Recovery Ventilation Systems
☐ 506.2.4 Higher Efficiency Service Water Heating
☐ 506.2.5 On-Site Supply of Renewable energy
☐ 506.2.6 Automatic Daylighting Control Systems

BOWMAN MURRAY HEMINGWAY
ARCHITECTS
514 Market Street
Wilmington, NC 28401
Tel - (910) 762-2621
Fax - (910) 762-8506

BOWMAN MURRAY HEMINGWAY ARCHITECTS P.A. REGISTERED ARCHITECTURAL CORPORATION CERT. NO. 50424 NORTH CAROLINA WILMINGTON, N.C.

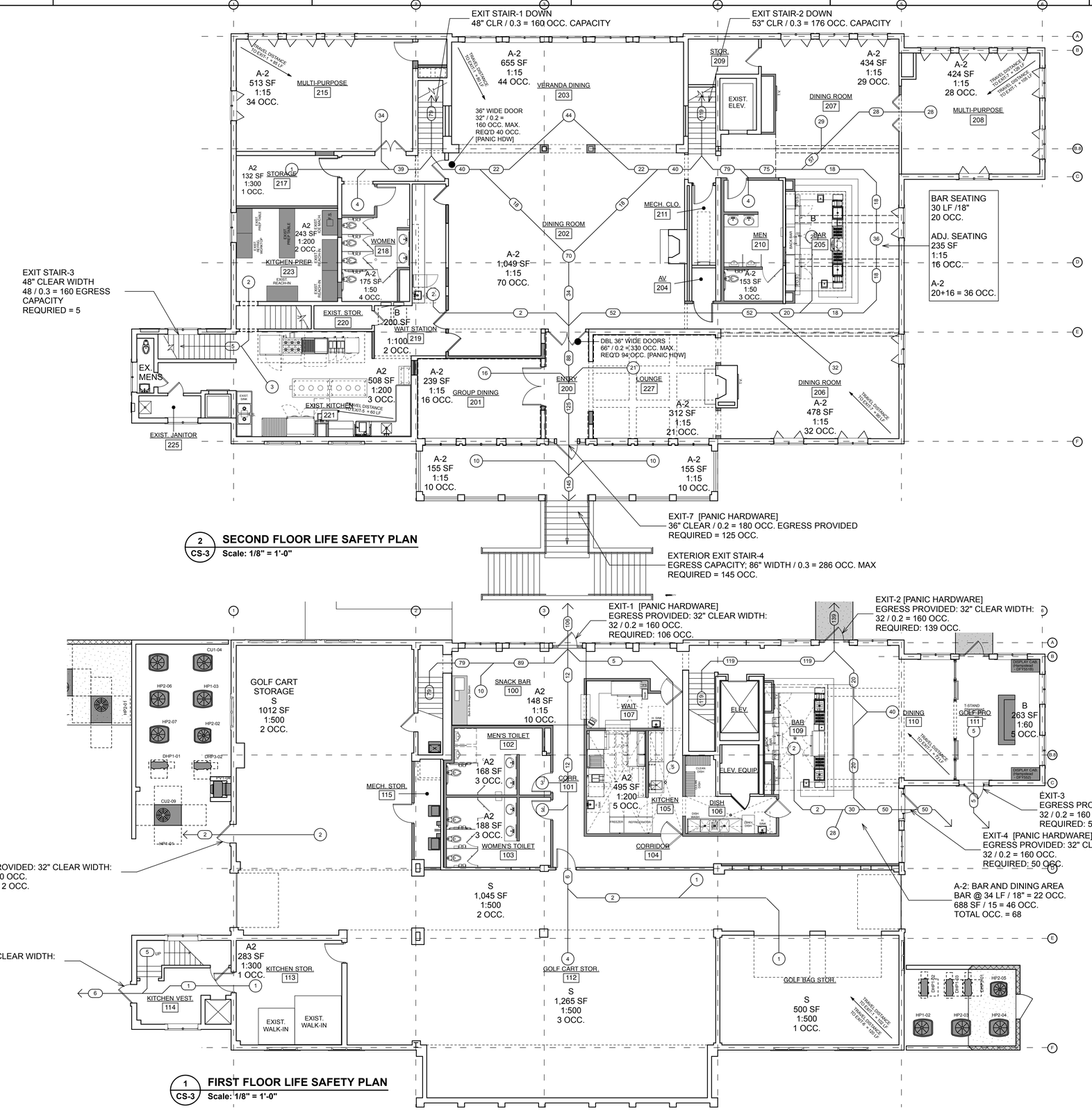
DOUGLAS MURRAY HEMINGWAY REGISTERED ARCHITECT 6437 NORTH CAROLINA WILMINGTON, NC 8.14.2020

Renovations to:
The Country Club of Landfall
Dye Club House
Demolition, Window & Roof Replacement
Wilmington, North Carolina

REV.	DATE	DESCRIPTION
1	08.10.20	Addendum #1: Chg to 2018 NCEBC

NO.	DATE	ISSUE NOTE

Project Manager | Drawn By
Date: 8-6-2020 | Reviewed By
Project ID
Sheet Title: **APPENDIX B**
Sheet No.: CS-2



2 CS-3 **SECOND FLOOR LIFE SAFETY PLAN**
Scale: 1/8" = 1'-0"

1 CS-3 **FIRST FLOOR LIFE SAFETY PLAN**
Scale: 1/8" = 1'-0"

BOWMAN MURRAY HEMINGWAY
ARCHITECTS
514 Market Street
Wilmington, NC 28401
Tel - (910) 762-2621
Fax - (910) 762-8506

BOWMAN, MURRAY, HEMINGWAY, ARCHITECTS, PA
REGISTERED ARCHITECTURAL CORPORATION
CERT. NO. 50424
NORTH CAROLINA
WILMINGTON, N. C.

DOUGLAS MURRAY
REGISTERED ARCHITECT
6437
NORTH CAROLINA
WILMINGTON, NC
8.14.2020

Renovations to:
The Country Club of Landfall
Dye Club House
Demolition, Window & Roof Replacement
Wilmington, North Carolina

REV.	DATE	DESCRIPTION

NO.	DATE	ISSUE NOTE

Project Manager	Drawn By
Date: 8-6-2020	Reviewed By

Project ID

Sheet Title
LIFE SAFETY PLAN

Sheet No.
CS-3

2018 APPENDIX B
BUILDING CODE SUMMARY FOR ALL COMMERCIAL PROJECTS

(EXCEPT 1 AND 2-FAMILY DWELLINGS AND TOWNHOUSES)

(Reproduce the following data on the building plans sheet 1 or 2)

Name of Project: Renovations to: The Country Club of Landfall Dye Club House

Address: 1550 Landfall Drive, Wilmington NC Zip code: 28405

Owner/Authorized Agent: John D. Murray, AIA Phone #: 910-762-2621 E-mail: murray@bmharch.com

Owned by: ☐ City / County ☒ Private ☐ State

Code Enforcement Jurisdiction: ☐ City _____ ☒ County New Hanover ☐ State

CONTACT: John D. Murray, AIA

DESIGNER	FIRM	NAME	LICENSE #	TELE. #	E-MAIL
Architectural	Bowman Murray Hemingway	John D. Murray	6437	910-762-2621	murray@bmharch.com
Civil					
Electrical	CBHF Engineers	Allen Cribb	23311	910-791-4000	acribb@cbhfengineers.com
Fire Alarm	CBHF Engineers	Allen Cribb	23311	910-791-4000	acribb@cbhfengineers.com
Plumbing	CBHF Engineers	David Hahn	23551	910-791-4000	dhahn@cbhfengineers.com
Mechanical	CBHF Engineers	David Hahn	23551	910-791-4000	dhahn@cbhfengineers.com
Sprinkler-Standpipe	CBHF Engineers	David Hahn	23551	910-791-4000	dhahn@cbhfengineers.com
Structural					
Retaining Walls > 5' High					
Other					

("Other" should include firms and individuals such as truss, precast, pre-engineered, interior designers, etc.)

2018 NC BUILDING CODE: ☐ New Building ☐ Addition ☐ Renovation [1]
☐ 1st Time Interior Completion
☐ Shell/Core - Contact the local inspection jurisdiction for possible additional procedures and requirements
☐ Phased Construction - Shell/Core - Contact the local inspection jurisdiction for possible additional procedures and requirements.

2018 NC BUILDING CODE: EXISTING: ☒ Prescriptive ☒ Repair ☐ Chapter 14
Alteration: ☐ Level I ☐ Level II ☒ Level III [1]
☐ Historic Property ☐ Change of Use

CONSTRUCTED: (date) 1988 **CURRENT OCCUPANCY(S) (Ch.3) :** A-2 DINING, BUSINESS

RENOVATED: (date) 1992 (reputed) **PROPOSED OCCUPANCY(S) (Ch.3) :** A-2 DINING, BUSINESS

RISK CATEGORY (Table 1604.5) **Current:** ☐ I ☐ II ☒ III ☐ IV **Proposed:** ☐ I ☐ II ☒ III ☐ IV

BASIC BUILDING DATA:

Construction Type: ☐ I-A ☐ II-A ☐ III-A ☐ IV ☐ V-A
(check all that apply) ☐ I-B ☐ II-B ☐ III-B ☒ V-B

Sprinklers: ☐ No ☐ Partial ☒ Yes ☒ NFPA 13 ☐ NFPA 13R ☐ NFPA 13D

Standpipes: ☒ No ☐ Yes Class ☐ I ☐ II ☐ III ☐ Wet ☐ Dry

Fire District: ☒ No ☐ Yes **Flood Hazard Area:** ☒ No ☐ Yes

Special Inspections Required: ☒ No ☐ Yes (Contact the local inspection jurisdiction for additional procedures and requirements.)

Gross Building Area Table

FLOOR	EXISTING (SQ. FT.)	NEW (SQ. FT.)	SUB-TOTAL
3rd Floor			
2nd Floor	7,876	0	7,876
1st Floor	7,910	0	7,910
Basement			
TOTAL	15,786 SF		15,786 SF

ALLOWABLE AREA

Primary Occupancy Classification(s):

Assembly ☐ A-1 ☒ A-2 ☐ A-3 ☐ A-4 ☐ A-5
Business ☐
Educational ☐
Factory ☐ F-1 Moderate ☐ F-2 Low
Hazardous ☐ H-1 Detonate ☐ H-2 Deflagrate ☐ H-3 Combust ☐ H-4 Health ☐ H-5 HPM
Institutional ☐ I-1 Condition ☐ 1 ☐ 2
☐ I-2 Condition ☐ 1 ☐ 2
☐ I-3 Condition ☐ 1 ☐ 2 ☐ 3 ☐ 4 ☐ 5
☐ I-4 Condition
Mercantile ☐ I-1 Condition
Residential ☐ R-1 ☐ R-2 ☐ R-3 ☐ R-4
Storage ☐ S-1 Moderate ☒ S-2 Low ☐ High-piled
☐ Parking Garage ☐ Open ☐ Enclosed ☐ Repair Garage
Utility and Miscellaneous ☐

Accessory Occupancy Classification(s): _____

Incidental Uses (Table 509): _____

Special Uses (Chapter 4 - List Code Sections): _____

Special Provisions: (Chapter 5 - List Code Sections): _____

Mixed Occupancy: ☐ No ☒ Yes Separation: 0 Hr. Exception: 508.3

☒ **Non-Separated Use** (508.3) - The required type of construction for the building shall be determined by applying the height and area limitations for each of the applicable occupancies to the entire building. The most restrictive type of construction, so determined, shall apply to the entire building.

☐ **Separated Use** (508.4) - See below for area calculations for each story, the area of the occupancy shall be such that the sum of the ratios of the actual floor area of each use divided by the allowable floor area for each shall not exceed 1.

$$\frac{\text{Area of Occupancy A}}{\text{Allowable Area of Occupancy A}} + \frac{\text{Area of Occupancy B}}{\text{Allowable Area of Occupancy B}} \leq 1$$

_____ + _____ + _____ = _____ ≤1.00

STORY NO.	DESCRIPTION AND USE	(A) BLDG AREA PER STORY (ACTUAL)	(B) TABLE 506.2 AREA [4]	(C) AREA FOR FRONTAGE INCREASE [1,5]	(D) AREA PER STORY OR UNLIMITED [2,3]
1	A-2 Dining	7,876	18,000	4,500	22,500
2	A-2 Dining, Storage	7,910	18,000	4,500	22,500

[1] Frontage area increases from Section 506.3 are computed thus:
a. Perimeter which fronts a public way or open space having 20 feet minimum width = 382 (F)
b. Total Building Perimeter = 382 (P)
c. Ratio (F/P) = 1 (F/P)
d. W = Minimum width of public way = 30 (W)
e. Percent of frontage increase Equation 5-5: If = [F/P - 0.25] x W/30 = 1 - 0.25 x 1 = 75 (%)
Allowable Area with frontage increase; use Equation 5-3 Mixed-occupancy, Multi-story for each floor.
$A_a = A_t + [NS \times I_f] =$ 18,000 + 6,000 (.75) = 28,500

[2] Unlimited area applicable under conditions of Section 507.

[3] Maximum Building Area = total number of stories in the building x D (maximum 3 stories) (506.2).

[4] The maximum area of open parking garages must comply with Table 406.5.4.

[5] Frontage increase is based on the unsprinklered area value in Table 506.2.

ALLOWABLE HEIGHT

	ALLOWABLE	SHOWN ON PLANS	CODE REFERENCE [1]
BUILDING HEIGHT IN FEET (TABLE 504.3) [2]	60	32	
BUILDING HEIGHT IN STORIES (TABLE 504.4) [3]	2	2	

[1] Provide code reference if the "Shown on Plans" quantity is not based on Table 504.3 or 504.4.

[2] The maximum height of air traffic control towers must comply with table 412.3.1.

[3] The maximum height of open parking garages must comply with table 406.5.4.

FIRE PROTECTION REQUIREMENTS

BUILDING ELEMENT	FIRE SEPARATION DISTANCE (FEET)	RATING REQ'D	RATING PROVIDED (W/ ____ REDUCTION)	DETAIL # AND SHEET #	DESIGN # FOR RATED ASSEMBLY	SHEET # FOR RATED PENETRATION	SHEET # FOR RATED JOINTS
Structural frame, including columns, girders, trusses	30'+	0-hr	0-hr				
Bearing walls	30'+	0-hr	0-hr				
Exterior							
North							
East							
West							
South							
Interior							
Nonbearing walls and partitions							
Exterior Walls	30'+	0-hr	0-hr				
North							
East							
West							
South							
Interior Walls and partitions		0-hr	0-hr				
Floor Construction Including supporting beams and joists		0-hr	0-hr				
Floor Ceiling Assembly		0-hr	0-hr				
Columns Supporting Floors							
Roof Construction Including supporting beams & joists		0-hr	0-hr				
Roof ceiling assembly		0-hr	0-hr				
Columns supporting roof							
Shaft Enclos.- Exit		N/A	N/A				
Shaft Enclos.- Other		N/A	N/A				
Corridor Separation		0-hr	0-hr w/ exception 1020.1.c (fire sprinkler system)				
Occupancy/ Fire Barrier Separation		N/A	N/A				
Party/Fire Wall Separation		N/A	N/A				
Smoke Barrier Separation		N/A	N/A				
Tenant/ Dwelling unit/ Sleeping unit separation		N/A	N/A				
Incidental Use Separation		N/A	N/A				

*Indicate section number permitting reduction

PERCENTAGE OF WALL OPENING CALCULATIONS

FIRE SEPARATION DISTANCE (FEET) FROM PROPERTY LINES	DEGREE OF OPENINGS PROTECTION (TABLE 705.8)	ALLOWABLE AREA (%)	ACTUAL SHOWN ON PLANS (%)
30+	Unprotected / Sprinkled	No Limit	N/A

LIFE SAFETY SYSTEM REQUIREMENTS

Emergency Lighting: ☐ No ☒ Yes
Exit Signs: ☐ No ☒ Yes
Fire Alarm: ☐ No ☒ Yes
Smoke Detection Systems: ☐ No ☒ Yes ☐ Partial
Carbon Monoxide Detection: ☒ No ☐ Yes

LIFE SAFETY PLAN REQUIREMENTS

Life Safety Plan #: CS-3

☐ Fire and / or smoke rated wall locations (Chapter 7)
☐ Assumed and real property line locations (if not on the site plan)
☐ Exterior wall opening area with respect to distance to assumed property lines (705.8)
☒ Occupancy Use for each area as it relates to occupant load calculation (Table 1004.1.2)
☒ Occupant loads for each area.
☒ Exit access travel distances (1017)
☐ Common path of travel distances (Tables 1006.2.1 & 1006.3.2(1))
☐ Dead end lengths (1020.4)
☒ Clear exit widths for each exit door
☒ Maximum calculated occupant load capacity each exit door can accomodate based on egress width (1005.3)
☒ Actual occupant load for each exit door
☐ A separate schematic plan indicating where fire rated floor/ ceiling and/ or roof structure is provided for purposes of occupancy separation.
☒ Location of doors with panic hardware (1010.1.10)
☐ Location of doors with delayed egress locks and amount of delay (1010.1.9.7)
☐ Location of doors with electromagnetic egress locks (1010.1.9.9)
☐ Location of doors with hold-open devices
☐ Location of emergency escape windows (1030)
☐ The square footage of each fire area (202)
☐ The square footage of each smoke compartment for Occupancy Classification I-2 (407.5)
☐ Note any code exceptions or table notes that may have been utilized regarding items above

ACCESSIBLE DWELING UNITS (SECTION 1107)

(NOT APPLICABLE)

TOTAL UNITS	ACCESSIBLE UNITS REQUIRED	ACCESSIBLE UNITS PROVIDED	TYPE A UNITS REQUIRED	TYPE A UNITS PROVIDED	TYPE B UNITS REQUIRED	TYPE B UNITS PROVIDED	TOTAL ACCESSIBLE UNITS PROVIDED

ACCESSIBLE PARKING (SECTION 1106) **(NOT APPLICABLE)**

LOT OR PARKING AREA	TOTAL # OF PARKING SPACES		# OF ACCESSIBLE SPACES PROVIDED			TOTAL # ACCESSIBLE PROVIDED
	REQUIRED	PROVIDED	REGULAR WITH 5' ACCESS AISLE	VAN SPACES WITH 132" ACCESS AISLE	VAN SPACES WITH 8' ACCESS AISLE	
Proposed						
TOTAL						

PLUMBING FIXTURE REQUIREMENTS (TABLE 2902.1)

USE		WATERCLOSETS			URINALS	LAVATORIES			SHOWERS / TUBS	DRINKING FOUNTAINS	
		MALE	FEMALE	UNISEX		MALE	FEMALE	UNISEX		REGULAR	ACCESSIBLE
SPACE	EXIST'G			1				1			
	NEW	2	7		4	3	4				
	REQ'D	2	4	0	2	3	3	0		0	0

PLUMBING FIXTURE CALCULATIONS

Total Occupancy Load = 429 (A-2) + 41 (B) = **470**

Assembly A-2 Dining = 378 (interior) + 51 (exterior) = **419**
Women / Men Ratio = 50/50
429 / 2 = 215 each sex
Female Watercloset = 1 per 75 = 215 / 75 = 2.9 = 3
Male Watercloset = 1 per 75 = 215 / 75 = 2.9 = 3
Lavatories = 1 per 200 = 215 / 200 = 1.1 = 2 each
Drinking Fountain = 0 per NCPC 410.4 restaurants

Business (Club Staff & Golf course support) = **41**
Women / Men Ratio = 50/50
41 / 2 = 21 each sex
Watercloset = 1 per 25 for first 50 = 21 / 25 = 1 WC each
Lavatories = 1 per 40 for the first 80 = 40 / 21 = 1 LAV each
Drinking Fountain = 0 per NCPC 410.4 restaurants

Total Fixtures Required:
Female WC = 3 (A-2) + 1 (B) = 4 ; LAV = 2 (A-2) + 1 (B) = 3
Male WC = 3 (A-2) + 1 (B) = 4 ; LAV = 2 (A-2) + 1 (B) = 3 (Note: 2 Urinals substituted for 2 WC)

SPECIAL APPROVALS

Special approval: (Local Jurisdiction, Department of Insurance, OSC, DPI, DHHS, etc., describe below)
Local Jurisdiction

ENERGY SUMMARY

ENERGY REQUIREMENTS:
The following data shall be considered minimum and any special attribute required to meet the energy code shall also be provided. Each Designer shall furnish the required portions of the project information for the plan data sheet. If performance method, state the annual energy cost for the standard reference design vs annual energy cost for the proposed design.

Existing building envelope complies with code: ☐ No ☒ Yes (The remainder of this section is not applicable)

Exempt Building: ☐ No ☐ Yes (Provide code or statutory reference:) _____

Climate Zone: ☒ 3A ☐ 4A ☐ 5A

Method of Compliance: Energy Code ☐ Performance ☒ Prescriptive
ASHRAE 90.1 ☐ Performance ☐ Prescriptive
(If "Other" specify source here) _____

THERMAL ENVELOPE (Prescriptive method only)

Roof/ ceiling Assembly (each assembly)
Description of assembly: Existing non-vented nailable roof panel assembly Fiberglass shingles on 1/2" wood sheathing on 3" rigid insul. on 1/2" wood sheathing
U-Value of total assembly: 0.06
R-Value of insulation: R-15
Skylights in each assembly: N/A
U-Value of skylight: _____
total square footage of skylights in each assembly: _____

Exterior Walls (each assembly)
Description of assembly: Existing Wall Assembly: Stucco on 1-1/2" rigid on 1/2" sheathing on 8" metal studs w/R-21 batt insul.
U-Value of total assembly: 0.034
R-Value of insulation: 7.5" + 21 = 28.5

Openings (windows or doors with glazing)
U-Value of assembly: 0.45 max. BTU /HR/SF/F
Solar heat gain coefficient: 0.33 SHG max. for 2nd floor windows 0.25 SHG max. for 1st floor windows
projection factor: 0.34 PF @ 2nd floor windows 0.15 PF @ 1st floor windows
Door R-values: Entrance doors: R-1.3 min. U-0.77 max. Other doors: R-2.2 min. U-0.45 max.

Walls below grade (each assembly)
Description of assembly: N/A
U-Value of total assembly: N/A
R-Value of insulation: N/A

Floors over unconditioned space (each assembly)
Description of assembly: N/A
U-Value of total assembly: N/A
R-Value of insulation: N/A

Floors slab on grade
Description of assembly: 4" CONCRETE SLAB
U-Value of total assembly: 0.9 BTU/HR/SF/F
R-Value of insulation: _____
Horizontal/ vertical requirement: HORIZONTAL
slab heated: NO

STRUCTURAL DESIGN

DESIGN LOADS:
Importance Factors:
Snow (I_s) _____
Seismic (I_E) _____

Live Loads: Roof _____ psf
Mezzanine _____ psf
Floor _____ psf

Ground Snow Loads: _____ psf

Wind Loads: Ultimate Wind Speed _____ mph (ASCE-7)
Exposure Category _____

SEISMIC DESIGN CATEGORY: ☐ A ☐ B ☐ C ☐ D

Provide the following Seismic Design Parameters:
Risk Category (Table 1604.5) ☐ I ☐ II ☐ III ☐ IV
Spectral Response Acceleration SS _____ %g SI _____ %g
Site Classification (ASCE 7) ☐ A ☐ B ☐ C ☐ D ☐ E ☐ F
Data Source: ☐ Field Test ☐ Presumptive ☐ Historical Data
Basic Structural System ☐ Bearing Wall ☐ Dual w/Special Moment Frame
☐ Building Frame ☐ Dual w/Intermediate R/C or Special Steel
☐ Moment Frame ☐ Inverted Pendulum

Analysis Procedure ☐ Simplified ☐ Equivalent Lateral Force ☐ Dynamic
Architectural, Mechanical, Components anchored? ☐ Yes ☐ No

LATERAL DESIGN CONTROL: Earthquake ☐ Wind ☐

SOIL BEARING CAPACITIES:
Field Test (provide copy of test report) _____ psf
Presumptive Bearing capacity _____ psf
Pile size, type, and capacity _____

MECHANICAL SUMMARY

MECHANICAL SYSTEMS, SERVICE SYSTEMS AND EQUIPMENT

Thermal Zone: 3A
winter dry bulb: 23º F
summer dry bulb: 95º F

Interior design conditions
winter dry bulb: 70º F
summer dry bulb: 75º F
relative humidity: 60% - Designed - Not Controlled

Building heating load: 440 MBH
Building cooling load: 675 MBH

Mechanical Spacing Conditioning System
Unitary
description of unit: See Mechanical Schedules
heating efficiency: See Mechanical Schedules
cooling efficiency: See Mechanical Schedules
size category of unit: See Mechanical Schedules
Boiler
Size category. If oversized, state reason: N/A
Chiller
Size category. If oversized, state reason: N/A

List equipment efficiencies: See Mechanical Schedules

ELECTRICAL SUMMARY

ELECTRICAL SYSTEM AND EQUIPMENT

Method of Compliance:
Energy Code: ☒ Prescriptive ☐ Performance
ASHRAE 90.1: ☐ Prescriptive ☐ Performance

Lighting schedule (each fixture type)
lamp type required in fixture: (See Fixture Schedule)
number of lamps in fixture: (See Fixture Schedule)
ballast type used in the fixture: (See Fixture Schedule)
number of ballasts in fixture: (See Fixture Schedule)
total wattage per fixture: (See Fixture Schedule)
total interior wattage specified vs allowed (whole building or space by space) Allowed: 19,548 / specified: 14,613
total exterior wattage specified vs allowed Allowed: 1,080 / Specified: 235

Additional Prescriptive Compliance
☐ 506.2.1 More Efficient Mechanical Equipment
☒ 506.2.2 Reduced Lighting Power Density
☐ 506.2.3 Energy Recovery Ventilation Systems
☐ 506.2.4 Higher Efficiency Service Water Heating
☐ 506.2.5 On-Site Supply of Renewable energy
☐ 506.2.6 Automatic Daylighting Control Systems

BOWMAN MURRAY HEMINGWAY
ARCHITECTS
514 Market Street
Wilmington, NC 28401
Tel - (910) 762-2621
Fax - (910) 762-8506

BOWMAN MURRAY HEMINGWAY ARCHITECTS PA REGISTERED ARCHITECTURAL CORPORATION CERT. NO. 50424 NORTH CAROLINA WILMINGTON, N.C.

JOHN DOUGLAS MURRAY REGISTERED ARCHITECT 6437 NORTH CAROLINA WILMINGTON, NC
8.14.2020

Renovations to: The Country Club of Landfall Dye Club House

Wilmington, North Carolina

REV.	DATE	DESCRIPTION
1	08.10.20	Addendum #1: Chg to 2018 NCEBC

NO.	DATE	ISSUE NOTE

Project Manager: CWG
Drawn By:
Date: 7-29-2020
Reviewed By: JDM
Project ID

Sheet Title

APPENDIX B

Sheet No.

CS-2

(X)PANEL K2

TYPE: NEMA 1 | 208 | 120 V, | 3 PH, | 4 WIRE | PROVIDE IF CHECKED: XX XX | EQUIP. GND BUS
BOLT-ON | MOUNT: SURFACE
DOOR-IN-DOOR, | FEED: BOTTOM | NEUTRAL BUS
HINGED TRIM FRONT COVER | GUTTER TAPS | SUB-FEED LUGS

LOAD SERVED	LOAD VA	CKT BKR	CKT #	LOAD VA A	LOAD VA B	LOAD VA C	CKT #	CKT BKR	LOAD VA	LOAD SERVED
(X) HOOD LIGHT/EXISTING CKT		20/2	1				2	30/2		(X)ICE MAKER
(X)COFFEE BREWER		20/2	3				4	|		|
|		|	5			6	30/2		(X)EXPRESSO
(X)WALK IN FREEZER		20/2	7				8	|		|
|		|	9			10	20/2		(X)EXHAUST FAN
(SHUNT)		20/2	11				12	|		|
(X)CONVECTION OVEN		|	13				14	20/1		(X)TOASTER
|		|	15				16	20/20		(X)MICROWAVE / TOASTER
(X)REFRIGERATOR		20/1	17				18	40/3		(X)BOOSTER HEATER
(X)HEAT LAMP		20/1	19				20	|		|
(X)EXISTING CIRCUIT		40/2	21				22	|		|
|		|	23				24	40/3		(X)DISHWASHER
(X)RCP: BEVERAGE COUNTER		30/1	25				26	|		|
(X)MUG DEFROSTER		20/1	27				28	|		|
(X)BEER COOLER		20/1	28				30	20/2		(X)FREEZER
(X)RCP: ISFI KITCHEN		20/1	31				32	|		|
(X)RCP: DINING RM		20/1	33				34	20/1		(X)COOLER
(X)RCP: DINING RM/ (X)CIRCUIT		20/20	35				36	20/1		(X)LIGHT IN COOLER
(X)STEAMER		30/3	37				38	20/3		(X)HOOD FAN
|		|	39				40	|		|
|		|	41				42	|		|
						TOTAL V. AMPS				225 A. BUS (COPPER)
						CONN. AMPS				225 A. MAIN CIRCUIT BREAKER

NOTES:
1. HVAC & REFRIG. EQUIP. SHALL USE TYPE HACR BREAKERS.

PANEL K2 REPLACEMENT

TYPE: NEMA 1 | 208 | 120 V, | 3 PH, | 4 WIRE | PROVIDE IF CHECKED: XX XX | EQUIP. GND BUS
BOLT-ON | MOUNT: SURFACE
DOOR-IN-DOOR, | FEED: BOTTOM | NEUTRAL BUS
HINGED TRIM FRONT COVER | GUTTER TAPS | SUB-FEED LUGS

LOAD SERVED	LOAD VA	CKT BKR	CKT #	LOAD VA A	LOAD VA B	LOAD VA C	CKT #	CKT BKR	LOAD VA	LOAD SERVED
(X) HOOD LIGHT		20/1	1				2	30/2		(X)ICE MAKER
(X)COFFEE BREWER		20/2	3				4	|		|
|		|	5			6	30/2		(X)EXPRESSO
(X)WALK IN FREEZER		20/2	7				8	|		|
|		|	9		360	10	20/1	360	RCP: RM 221(SEE NOTE 2)
RCP: RM 221 (1) (SEE NOTE 2)	400	15/2	11			400	12	20/1		(X)TOASTER (SEE NOTE 3)
|	400	|	13	400			14	20/1		(X)TOASTER
(SHUNT)		|	15				16	20/1		(X)MICROWAVE
(X)REFRIGERATOR		20/1	17				18	40/3		(X)BOOSTER HEATER
HEAT LAMPS (9)	1,500	20/1	19	1,500			20	|		|
(X)EXISTING CIRCUIT		40/2	21				22	|		|
|		|	23				24	40/3		(X)DISHWASHER
(X)RCP: BEVERAGE COUNTER		30/1	25				26	|		|
(X)CIRCUIT (SEE NOTE 3)		20/1	27				28	|		|
(X)CIRCUIT (SEE NOTE 3)		20/1	29				30	20/2		(X)FREEZER
(X)RCP: GFI KITCHEN		20/1	31				32	|		|
(X)RCP: DINING RM		20/1	33				34	20/1		(X)COOLER
(X)RCP: DINING ROOM		20/1	35				36	20/1		(X)LIGHT IN COOLER
(X)STEAMER		30/3	37	1,273			38	20/3	1,273	PV2-03 VIA PRIMARY CONTROL CABINET
|		|	39		1,273		40	|	1,273	|
|		|	41			1,273	42	|	1,273	|
(X)CIRCUIT (SEE NOTE 3)		20/1	43	564			44	20/1	564	RCP: RM 219 UNDR CNTR REFRIG (16)
RCP: RM 221 (2)(SEE NOTE 2)	708	20/1	45		1,308		46	20/1	600	HO2 PRIMARY CONTROL PANEL
(SHUNT)		|	47				48	20/1		SPARE
RCP: RM 221 (7)(SEE NOTE 2)	420	20/1	49	1,920			50	20/2	1,500	RM 221 (11) (SEE NOTE 2)
(SHUNT)		|	51		1,500		52	|	1,500	|
RCP: RM 223 (X) REFRIG. WORK TOP	1,488	20/1	53			2,760	54	20/1	1,272	RCP: RM 223 (X) REACH IN
				5,657	4,441	4,433				TOTAL V. AMPS
				47	37	37				CONN. AMPS

NOTES:
1. HVAC & REFRIG. EQUIP. SHALL USE TYPE HACR BREAKERS.
2. ALL BREAKERS IN KITCHEN (ROOM 221) MUST BE GFI.
3. CIRCUIT MOVED FROM TANDUM BREAKER.
4. PROVIDE SHUNT TRIP BREAKERS WHERE SPECIFIED.

225 A. MAIN CIRCUIT BREAKER

22 KAIC MIN.

(X)PANEL LP1

TYPE: NEMA 1 | 208 | 120 V, | 3 PH, | 4 WIRE | PROVIDE IF CHECKED: XX XX | EQUIP. GND BUS
BOLT-ON | MOUNT: SURFACE
DOOR-IN-DOOR, | FEED: BOTTOM | NEUTRAL BUS
HINGED TRIM FRONT COVER | GUTTER TAPS | SUB-FEED LUGS

LOAD SERVED	LOAD VA	CKT BKR	CKT #	LOAD VA A	LOAD VA B	LOAD VA C	CKT #	CKT BKR	LOAD VA	LOAD SERVED
(X)NL BACK STAIRS		20/1	1				2	20/1		(X)NL GARAGE
(X)TIME CLOCK		20/1	3				4	20/1		(X)RCP: DOOR
(X)RECEPTACLE BACK AREA		20/1	5				6	20/2		(X)EXHAUST FAN
(X)NL BACL		20/1	7				8	|		|
(X)LTG: FREEZER ROOM		20/1	9				10	20/1		(X)NL SIDE
(X)LTG: GARAGE		20/1	11				12	20/1		SPARE
(X)LTG: GARAGE		20/1	13				14	100/3		(X)PANEL LP2
(X)LTG: FRONT STAIRS		20/1	15				16	|		|
(X)LTG: PARKING LOT		20/2	17				18	|		|
|		|	19				20	100/3		(X)PANEL LP3
(X)LTG: PARKING LOT		20/2	21				22	|		|
|		|	23				24	|		|
(X)RCP: EXTERIOR		20/1	25				26			SPACE
SPACE			27				28			SPACE
SPACE			29				30			SPACE
(X)LTG: SHRUBBRY		20/1	31				32			SPACE
(X)GREEN FAN AND GRILL OUTLETS		20/1	33				34			SPACE
(X)TEMPORARY POWER		50/2	35				36			SPACE
|		|	37				38			SPACE
SPACE			39				40			SPACE
SPACE			41				42			SPACE
						TOTAL V. AMPS				225 A. BUS (COPPER)
						CONN. AMPS				225 A. MAIN CIRCUIT BREAKER

NOTES:
1. HVAC & REFRIG. EQUIP. SHALL USE TYPE HACR BREAKERS.

(X)PANEL LP1 REVISED

TYPE: NEMA 1 | 208 | 120 V, | 3 PH, | 4 WIRE | PROVIDE IF CHECKED: XX XX | EQUIP. GND BUS
BOLT-ON | MOUNT: SURFACE
DOOR-IN-DOOR, | FEED: BOTTOM | NEUTRAL BUS
HINGED TRIM FRONT COVER | GUTTER TAPS | SUB-FEED LUGS

LOAD SERVED	LOAD VA	CKT BKR	CKT #	LOAD VA A	LOAD VA B	LOAD VA C	CKT #	CKT BKR	LOAD VA	LOAD SERVED
(X)NL BACK STAIRS		20/1	1				2	20/1		(X)NL GARAGE
(X)TIME CLOCK		20/1	3				4	20/1		(X)RCP: DOOR
(X)RECEPTACLE BACK AREA		20/1	5				6	20/2		(X)EXHAUST FAN
(X)NL BACL		20/1	7				8	|		|
(X)LTG: FREEZER ROOM		20/1	9				10	20/1		(X)NL SIDE
(X)LTG: GARAGE		20/1	11				12	20/1		SPARE
(X)LTG: GARAGE		20/1	13				14	100/3		(X)PANEL LP2
(X)LTG: FRONT STAIRS		20/1	15				16	|		|
(X)LTG: PARKING LOT		20/2	17				18	|		|
|		|	19				20	100/3		**SPARE (SEE NOTE 2)**
(X)LTG: PARKING LOT		20/2	21				22	|		|
|		|	23				24	|		|
(X)RCP: EXTERIOR		20/1	25	180			26	20/1	180	**RCP: EXT. PATIO (SEE NOTE 3)**
SPACE			27		180		28	20/1	180	**RCP: EXT. PATIO (SEE NOTE 3)**
SPACE			29			360	30	20/1	360	**RCP: EXTERIOR (SEE NOTE 3)**
(X)LTG: SHRUBBRY		20/1	31	360			32	20/1	360	**RCP: RM113 (SEE NOTE 3)**
(X)GREEN FAN AND GRILL OUTLETS		20/1	33		222		34	20/1	222	**PV1-03 (SEE NOTE 3)**
(X)TEMPORARY POWER		50/2	35			360	36	20/1	360	**RCP: EXTERIOR (SEE NOTE 3)**
|		|	37				38			SPACE
SPACE			39				40			SPACE
SPACE			41				42			SPACE
				540	402	720				TOTAL V. AMPS
				5	3	6				CONN. AMPS

NOTES:
1. HVAC & REFRIG. EQUIP. SHALL USE TYPE HACR BREAKERS.
2. BREAKER MADE SPARE DURING DEMOLITION.
3. PROVIDE BREAKER MACTHING KAIC RATING OF PANEL.

225 A. BUS (COPPER)
225 A. MAIN CIRCUIT BREAKER

(X)PANEL LP2

TYPE: NEMA 1 | 208 | 120 V, | 3 PH, | 4 WIRE | PROVIDE IF CHECKED: XX XX | EQUIP. GND BUS
BOLT-ON | MOUNT: SURFACE
DOOR-IN-DOOR, | FEED: BOTTOM | NEUTRAL BUS
HINGED TRIM FRONT COVER | GUTTER TAPS | SUB-FEED LUGS

LOAD SERVED	LOAD VA	CKT BKR	CKT #	LOAD VA A	LOAD VA B	LOAD VA C	CKT #	CKT BKR	LOAD VA	LOAD SERVED
(X)LTG: DINING ROOM		20/1	1				2	20/1		(X)LTG: KITCHEN BATH
(X)WOMEN'S SITTING ROOM FAN		20/1	3				4	20/1		(X)LTG: UPSTAIRS
(X)LTG: DINING ROOM		20/1	5				6	20/1		(X)LTG: HALL AND BACKSTAIRS
WOMEN'S BATH LIGHT		20/1	7				8	20/1		(X)LTG: UPSTAIRS OFFICE
(X)LTG: WOMEN'S SITTING ROOM		20/1	9				10	20/1		(X)LTG: KITCHEN
(X)LTG: UPSTAIRS OFFICE		20/1	11				12	20/1		RCP: UPSTAIRS
(X)LTG: UPSTAIRS OFFICE		20/1	13				14	20/1		RCP: WOMEN'S DRESSING ROOM
(X)LTG: WOMEN'S DRESSING ROOM		20/1	15				16	20/1		(X)LTG: UPSTAIRS OFFICE
(X)LTG: WOMEN'S SITTING ROOM		20/1	17				18	20/1		(X)LTG: WOMEN'S DRESSING ROOM
(X)LTG: WOMEN'S BATH		20/1	19				20	20/1		(X)LTG: STAIR & HALL NEARS WOMEN'S ROOM
RCP: WOMEN'S SITTING ROOM		20/1	21				22	20/1		(X)LTG: OUTSIDE NL
CASH REGISTER		20/1	23				24	20/1		(X)LTGS: SUNPORCH SCONCES & CEILING FAN
(X) CIRCUIT		20/1	25				26	20/1		(X)COOLER
(X) CIRCUIT		20/1	27				28	20/1		(X)COOLER
(X) CIRCUIT		20/1	29				30	20/1		(X)CIRCUIT
(X) CIRCUIT		20/1	31				32	20/1		(X)CIRCUIT
SPACE			33				34			SPACE
SPACE			35				36			SPACE
SPACE			37				38			SPACE
SPACE			39				40			SPACE
SPACE			41				42			SPACE
						TOTAL V. AMPS				100 A. BUS (COPPER)
						CONN. AMPS				100 A. MAIN CIRCUIT BREAKER

NOTES:
1. HVAC & REFRIG. EQUIP. SHALL USE TYPE HACR BREAKERS.

(X)PANEL LP2 REVISED

TYPE: NEMA 1 | 208 | 120 V, | 3 PH, | 4 WIRE | PROVIDE IF CHECKED: XX XX | EQUIP. GND BUS
BOLT-ON | MOUNT: SURFACE
DOOR-IN-DOOR, | FEED: BOTTOM | NEUTRAL BUS
HINGED TRIM FRONT COVER | GUTTER TAPS | SUB-FEED LUGS

LOAD SERVED	LOAD VA	CKT BKR	CKT #	LOAD VA A	LOAD VA B	LOAD VA C	CKT #	CKT BKR	LOAD VA	LOAD SERVED
(X)LTG: DINING ROOM		20/1	1				2	20/1		(X)LTG: KITCHEN BATH
(X)WOMEN'S SITTING ROOM FAN		20/1	3		360		4	20/1	360	**RCP: RM 223**
(X)LTG: DINING ROOM		20/1	5				6	20/1		(X)LTG: HALL AND BACKSTAIRS
WOMEN'S BATH LIGHT		20/1	7	720			8	20/1	720	**RCP: RM 223**
(X)LTG: WOMEN'S SITTING ROOM		20/1	9				10	20/1		(X)LTG: KITCHEN
RCP: RM 221	360	20/1	11			1,440	12	20/1	1,080	**RCP: RM 223 (X) REACH IN**
RCP: RM 221	360	20/1	13	360			14	20/1		RCP: WOMEN'S DRESSING ROOM
(X)LTG: WOMEN'S DRESSING ROOM		20/1	15		1,080		16	20/1	1,080	**RCP: RM 223 (X) REACH IN**
(X)LTG: WOMEN'S SITTING ROOM		20/1	17				18	20/1		(X)LTG: WOMEN'S DRESSING ROOM
(X)LTG: WOMEN'S BATH		20/1	19				20	20/1		(X)LTG: STAIR & HALL NEARS WOMEN'S ROOM
RCP: WOMEN'S SITTING ROOM		20/1	21				22	20/1		(X)LTG: OUTSIDE NL
CASH REGISTER		20/1	23				24	20/1		(X)LTGS: SUNPORCH SCONCES & CEILING FAN
(X) CIRCUIT		20/1	25				26	20/1		(X)COOLER
(X) CIRCUIT		20/1	27				28	20/1		(X)COOLER
(X) CIRCUIT		20/1	29				30	20/1		(X)CIRCUIT
(X) CIRCUIT		20/1	31				32	20/1		(X)CIRCUIT
LTG:RM 212, 213, 214, 215 & 217 (SEE NOTE 4)	1,138	20/1	33		1,318		34	20/1	180	**RCP: RM 223**
LTG:RM 216 & 219 (SEE NOTE 4)	485	20/1	35			1,025	36	20/1	540	**RCP: RM 217 (SEE NOTE 4)**
LTG: RM 203 (SEE NOTE 4)	690	20/1	37	1,050			38	20/1	360	**RCP: RM 218 (SEE NOTE 4)**
RCP: RM 223	360	20/1	39		924		40	20/1	564	**RCP: RM 223 (16)**
RCP: RM 223	360	20/1	41			540	42	20/1	180	**RCP: RM 223**
				2,130	3,682	3,005			100	A. BUS (COPPER)
				18	31	25			100	A. MAIN CIRCUIT BREAKER

NOTES:
1. HVAC & REFRIG. EQUIP. SHALL USE TYPE HACR BREAKERS.
2. BREAKER MADE SPARE DURING DEMOLITION.
3. PROVIDE CIRCUIT BREAKER LOCKING DEVICE FOR FACU ALONG WITH IDENTIFYING CIRCUIT BREAKER IN ACCORDANCE WITH NEC 760.41
4. PROVIDE BREAKER MACTHING KAIC RATING OF PANEL.

(X)PANEL 9

TYPE: NEMA 1 | 208 | 120 V, | 3 PH, | 4 WIRE | PROVIDE IF CHECKED: XX XX | EQUIP. GND BUS
BOLT-ON | MOUNT: SURFACE
DOOR-IN-DOOR, | FEED: BOTTOM | NEUTRAL BUS
HINGED TRIM FRONT COVER | GUTTER TAPS | SUB-FEED LUGS

LOAD SERVED	LOAD VA	CKT BKR	CKT #	LOAD VA A	LOAD VA B	LOAD VA C	CKT #	CKT BKR	LOAD VA	LOAD SERVED
(X)HEAT		40/3	1				2	20/1		(X)LTG:
|		|	3				4	20/1		(X)RCP:
|		|	5				6	20/2		(X)WATER HEATER
SPACE			7				8	|		|
SPACE			9				10	20/2		(X)WATER HEATER
SPACE			11				12	|		|
						TOTAL V. AMPS				225 A. BUS (COPPER)
						CONN. AMPS				225 A. MAIN CIRCUIT BREAKER

NOTES:
1. HVAC & REFRIG. EQUIP. SHALL USE TYPE HACR BREAKERS.

(X)PANEL 9 REVISED

TYPE: NEMA 1 | 208 | 120 V, | 3 PH, | 4 WIRE | PROVIDE IF CHECKED: XX XX | EQUIP. GND BUS
BOLT-ON | MOUNT: SURFACE
DOOR-IN-DOOR, | FEED: BOTTOM | NEUTRAL BUS
HINGED TRIM FRONT COVER | GUTTER TAPS | SUB-FEED LUGS

LOAD SERVED	LOAD VA	CKT BKR	CKT #	LOAD VA A	LOAD VA B	LOAD VA C	CKT #	CKT BKR	LOAD VA	LOAD SERVED
SPARE		40/3	1				2	20/1		(X) LTG:
|		|	3				4	20/1		(X) RCP.
|		|	5				6	20/2		**SPARE (SEE NOTE 2)**
LTG: MECHANICAL YARD (SEE NOTE 3)	120	20/1	7	120			8	|		|
RCP: RM 115 (SEE NOTE 3)	360	20/1	9		360		10	20/2		**SPARE (SEE NOTE 2)**
LTG: RM 115 (SEE NOTE 3)	40	20/1	11			40	12	|		|
				120	360	40				TOTAL V. AMPS
				1	3	0				CONN. AMPS

NOTES:
1. HVAC & REFRIG. EQUIP. SHALL USE TYPE HACR BREAKERS.
2. BREAKER MADE SPARE DURING DEMOLITION.
3. PROVIDE BREAKER MACTHING KAIC RATING OF PANEL.

225 A. BUS (COPPER)
225 A. MAIN CIRCUIT BREAKER

PANEL SCHEDULE GENERAL NOTE:

THESE SCHEDULES WERE COMPILED BY THE ENGINEER FROM LIMITED FIELD VERIFICATION OF EXISTING PANELS FOR THE PURPOSE OF INDICATING THE WORK REQUIRED AND ARE BELIEVED TO BE CORRECT. NOTWITHSTANDING, THE CONTRACTOR SHALL VERIFY AND DOCUMENT ALL CIRCUITS. THE CONTRACTOR MUST KEEP A RED MARKED SET OF PANEL SCHEDULES INDICATING CIRCUITING DETERMINED DURING CONSTRUCTION AND DELIVER TO ENGINEER AFTER PROJECT COMPLETTION.

CBHF Engineers, PLLC
2246 Yaupon Drive
Wilmington, NC 28401
Phone: 910.791.4000
Fax: 910.791.5266
www.cbhfengineers.com

© Copyright 2020 CBHF Engineers, PLLC

NC# P-0506

BOWMAN MURRAY HEMINGWAY ARCHITECTS
514 Market Street
Wilmington, NC 28401
Tel - (910) 762-2621
Fax - (910) 762-8506

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 023311 W. ALLEN CRUMPLER

08-28-2020

The Country Club of Landfall
Dye Club House
Wilmington, North Carolina

REV.	DATE	DESCRIPTION
1	08.28.20	ADDENDUM #3; OWNER LOW VOLTAGE COMMENTS

NO.	DATE	ISSUE NOTE

Project Manager: MDM
Drawn By
Date: 07.29.2020
Reviewed By: WAC
Project ID

Sheet Title: ELECTRICAL PANEL SCHEDULES

Sheet No.: E0.8

PANEL MDP

TYPE: NEMA 1 | 208 | 120 V, | 3 PH, | 4 WIRE | PROVIDE IF | XX | EQUIP. GND BUS
BOLT-ON | MOUNT: WALL | | | | CHECKED: | XX | NEUTRAL BUS
| FEED: BOTTOM | | | | | | GUTTER TAPS
| | | | | | | SUB-FEED LUGS

LOAD SERVED	LOAD VA	CKT BKR	CKT #	LOAD VA A	LOAD VA B	LOAD VA C	CKT #	CKT BKR	LOAD VA	LOAD SERVED
	40,335			52,576					12,241	
PANEL A1	39,502	400/3	1		51,199		2	200/3	11,697	PANEL A2
	42,733					51,130			8,398	
	20,084			28,735					8,651	
PANEL H1	22,553	225/3	3		31,314		4	200/3	8,761	PANEL H2
	22,220					29,776			7,556	
	8,863			17,333					8,470	
PANEL K1	6,172	200/3	5		18,578		6	200/3	12,406	PANEL LP3
	5,508					17,979			12,471	
				5,967					5,967	
EXISTING 1200A PANEL		600/3	7		9,865		8	200/3	9,865	PANEL B
						8,643			8,643	
SPARE		225/3	9				10	225/3		PREPARED SPACE
PREPARED SPACE			11				12	30/3		SPD

NOTE:				
1. HVAC EQUIPMENT SHALL USE TYPE HACR BREAKERS.	104,612	110,958	107,528	TOTAL V. AMPS
2. ARC ENERGY REDUCTION REQUIRED AT ALL BREAKERS THAT CAN BE ADJUSTED TO 1200AMPS OR MORE PER NEC 240.87.	872	925	896	CONN. AMPS

1,200 A. BUS (COPPER)
1,200 A. MAIN CIRCUIT BREAKER
**ARC ENERGY REDUCTION REQUIRED AT ALL BREAKERS 1200AMPS OR MORE.
22 KAIC MIN.

PANEL A1

TYPE: NEMA 1 | 208 | 120 V, | 3 PH, | 4 WIRE | PROVIDE IF | XX | EQUIP. GND BUS
BOLT-ON | MOUNT: SURFACE | | | | CHECKED: | XX | NEUTRAL BUS
DOOR-IN-DOOR, | FEED: BOTTOM | | | | | | GUTTER TAPS
HINGED TRIM FRONT COVER | | | | | | | SUB-FEED LUGS

LOAD SERVED	LOAD VA	CKT BKR	CKT #	LOAD VA A	LOAD VA B	LOAD VA C	CKT #	CKT BKR	LOAD VA	LOAD SERVED
AH1-01	3,245	40/2	1	3,785			2	20/1	540	RCP: RM 201
	3,245		3		3,545		4	20/1	300	GWH1
SPARE		30/2	5			300	6	20/1	300	GWH2
			7	701			8	20/1	701	RCP: D02
AH2-01	7,013	80/3	9		7,013		10	20/1		SPARE
	7,013		11			7,714	12	20/1	701	RCP: D05
	7,013		13	7,013			14	20/1		SPARE
AH2-02	2,163	30/2	15		2,763		16	20/1	600	FACP (SEE NOTE 2)
	2,163		17			2,413	18	20/1	250	PV2-02
AH2-09	1,153	20/3	19	1,288			20	20/1	135	LTG: ATTIC
	1,153		21		1,153		22	20/1		SPARE
	1,153		23			7,638	24	45/2	6,485	AH2-06
SPARE		20/1	25	6,485			26		6,485	
AH2-07	3,245	40/2	27		3,605		28	20/1	360	RCP: DATA BACKBOARD
	3,245		29			3,245	30	20/1		SPARE
AH2-08	7,013	80/3	31	8,237			32	15/3	1,224	PV2-03
	7,013		33		8,237		34		1,224	
	7,013		35			8,237	36		1,224	
AH2-09	1,153	20/3	37	12,826			38	150/3	11,673	EDH02
	1,153		39		12,826		40		11,673	
	1,153		41			12,826	42		11,673	

NOTES:				
1. HVAC & REFRIG. EQUIP. SHALL USE TYPE HACR BREAKERS.	40,335	39,142	42,373	TOTAL V. AMPS
2. PROVIDE CIRCUIT BREAKER LOCKING DEVICE FOR FACU ALONG WITH IDENTIFYING CIRCUIT BREAKER IN ACCORDANCE WITH NEC 760.41	336	326	353	CONN. AMPS

400 A. BUS (COPPER)
400 A. MAIN CIRCUIT BREAKER
22 KAIC MIN.

PANEL A2

TYPE: NEMA 1 | 208 | 120 V, | 3 PH, | 4 WIRE | PROVIDE IF | XX | EQUIP. GND BUS
BOLT-ON | MOUNT: SURFACE | | | | CHECKED: | XX | NEUTRAL BUS
DOOR-IN-DOOR, | FEED: BOTTOM | | | | | | GUTTER TAPS
HINGED TRIM FRONT COVER | | | | | | | SUB-FEED LUGS

LOAD SERVED	LOAD VA	CKT BKR	CKT #	LOAD VA A	LOAD VA B	LOAD VA C	CKT #	CKT BKR	LOAD VA	LOAD SERVED
AH1-02	3,578	45/2	1	4,118			2	20/1	540	RCP: MECHANICAL ATTIC
	3,578		3		4,279		4	15/1	701	RCP: D01
AH2-03	3,578	45/2	5			4,279	6	15/1	701	RCP: D03
	3,578		7	4,279			8	15/1	701	RCP: D04
AH2-04	3,744	45/2	9		3,994		10	15/1	250	PV2-01
	3,744		11			3,879	12	20/1	135	LTG: ATTIC
AH2-05	3,245	40/2	13	3,845			14	20/1	600	RCP: (X)IRRAGATION CONTROL PANEL
	3,245		15		3,425		16	20/1	180	LTG: EXTERIOR FLOODS
SPARE		20/1	17				18	20/1		SPARE
SPARE		20/1	19				20	20/1		SPARE
SPARE		20/1	21				22	20/1		SPARE
PV2-04	240	15/1	23			240		20/1		SPARE
SPARE		20/1	25				26	20/1		SPARE
SPARE		20/1	27				28	20/1		SPARE
SPARE		20/1	29				30	20/1		SPARE

NOTES:				
1. HVAC & REFRIG. EQUIP. SHALL USE TYPE HACR BREAKERS.	12,241	11,697	8,398	TOTAL V. AMPS
	102	97	70	CONN. AMPS

200 A. BUS (COPPER)
200 A. MAIN CIRCUIT BREAKER
22 KAIC MIN.

PANEL H1

TYPE: NEMA 3R | 208 | 120 V, | 3 PH, | 4 WIRE | PROVIDE IF | XX | EQUIP. GND BUS
BOLT-ON | MOUNT: SURFACE | | | | CHECKED: | XX | NEUTRAL BUS
| FEED: BOTTOM | | | | | | GUTTER TAPS
| | | | | | | SUB-FEED LUGS

LOAD SERVED	LOAD VA	CKT BKR	CKT #	LOAD VA A	LOAD VA B	LOAD VA C	CKT #	CKT BKR	LOAD VA	LOAD SERVED
CU1-04	2,018	35/3	1	2,378			2	20/1	360	RCP: MECHANICAL YARD
	2,018		3		4,035		4	35/3	2,018	HP2-06
	2,018		5			4,035	6		2,018	
AH1-04	832	20/2	7	2,850			8		2,018	
	832		9		2,246		10	25/2	1,414	HP2-07
DHP1-01	915	15/2	11			2,330	12		1,414	
	915		13	4,086			14	45/3	3,170	HP2-08
DHP3-02	915	15/2	15		4,086		16		3,170	
	915		17			4,086	18		3,170	
HP1-01	1,414	25/2	19	1,414			20	20/1		SPARE
	1,414		21		5,353		22	50/3	3,939	CU2-09
HP1-03	1,249	20/3	23			5,188	24		3,939	
	1,249		25	5,188			26		3,939	
	1,249		27		3,662		28	30/2	2,413	AH1-03
HP2-01	3,170	45/3	29			5,583	30		2,413	
	3,170		31	3,170			32	20/1		SPARE
	3,170		33		3,170		34	20/1		SPARE
HP2-02	998	20/2	35			998	36	20/1		SPARE
	998		37	996			38	20/1		SPARE
SPARE		20/1	39				40	20/1		SPARE
SPARE		20/1	41				42	20/1		SPARE

NOTES:				
1. HVAC & REFRIG. EQUIP. SHALL USE TYPE HACR BREAKERS.	20,084	22,553	22,220	TOTAL V. AMPS
	167	188	185	CONN. AMPS

225 A. BUS (COPPER)
225 A. MAIN CIRCUIT BREAKER
22 KAIC MIN.

PANEL H2

TYPE: NEMA 3R | 208 | 120 V, | 3 PH, | 4 WIRE | PROVIDE IF | XX | EQUIP. GND BUS
BOLT-ON | MOUNT: SURFACE | | | | CHECKED: | XX | NEUTRAL BUS
| FEED: BOTTOM | | | | | | GUTTER TAPS
| | | | | | | SUB-FEED LUGS

LOAD SERVED	LOAD VA	CKT BKR	CKT #	LOAD VA A	LOAD VA B	LOAD VA C	CKT #	CKT BKR	LOAD VA	LOAD SERVED
HP1-02	1,729	30/3	1	1,909			2	20/1	180	RCP: MECHANICAL YARD
	1,729		3		2,894		4	15/2	1,165	DHP1-02
	1,729		5			2,894	6		1,165	
HP2-03	1,729	30/3	7	2,645			8	15/2	915	DHP1-03
	1,729		9		2,645		10		915	
	1,729		11			2,645	12	15/2	915	DHP3-01
HP2-04	2,018	35/3	13	2,933			14		915	
	2,018		15		2,098		16	20/1	80	LTG: MECHANCIAL YARD
	2,018		17			2,018	18	20/1		SPARE
HP2-05	1,165	25/2	19	1,165			20	20/1		SPARE
	1,165		21		1,165		22	20/1		SPARE
SPARE		20/1	23				24	20/1		SPARE
SPARE		20/1	25				26	20/1		SPARE
SPARE		20/1	27				28	20/1		SPARE
SPARE		20/1	29				30	20/1		SPARE

NOTES:				
1. HVAC & REFRIG. EQUIP. SHALL USE TYPE HACR BREAKERS.	8,651	8,801	7,556	TOTAL V. AMPS
	72	73	63	CONN. AMPS

200 A. BUS (COPPER)
200 A. MAIN CIRCUIT BREAKER
22 KAIC MIN.

PANEL K1

TYPE: NEMA 1 | 208 | 120 V, | 3 PH, | 4 WIRE | PROVIDE IF | XX | EQUIP. GND BUS
BOLT-ON | MOUNT: FLUSH | | | | CHECKED: | XX | NEUTRAL BUS
DOOR-IN-DOOR, | FEED: TOP | | | | | | GUTTER TAPS
HINGED TRIM FRONT COVER | | | | | | | SUB-FEED LUGS

LOAD SERVED	LOAD VA	CKT BKR	CKT #	LOAD VA A	LOAD VA B	LOAD VA C	CKT #	CKT BKR	LOAD VA	LOAD SERVED
RCP: RM 100 (29)	1,152	20/1	1	4,688			2	50/2	3,536	RM 106 RCP: (27)
RCP:RM 100 (30)	36	20/1	3		3,572		4		3,536	
RCP: RM 105 & 106	540	20/1	5			540	6	20/1		SPARE
SPARE		20/1	7	575			8	20/1	575	RCP: RM 109 (14A)
SPARE		20/1	9		420		10	20/1	420	RCP: RM 109 (6)
RCP: RM 107 POS & MONITOR	480	20/1	11			900	12	20/1	420	RCP: RM 109 (11)
SPARE		20/1	13	420			14	20/1	420	RCP: RM 109 (12)
RCP: RM 105 (1) (SEE NOTE 2)	420	20/1	15		840		16	20/1	420	RCP: RM 109 (13)
RCP: RM 105 (3) (SEE NOTE 2)	900	20/1	17			1,200	18	20/1	300	RCP: RM 109 TV
RCP: RM 105 (4) (SEE NOTE 2)	960	20/1	19	1,260			20	20/1	300	RCP: RM 109 TV
RCP: RM 105 (6) (SEE NOTE 2)	420	20/1	21		600		22	20/1	180	RCP: RM 109
SHUNT			23			180	24	20/1	180	RCP: RM 109
RCP: RM 105 (9) (SEE NOTE 2)	360	20/1	25	1,560			26	20/1	1,200	RCP: RM 109
SHUNT			27		200		28	20/1	200	HOOD LIGHTS
RCP: RM105 (10) (SEE NOTE 2)	708	20/1	29			2,628	30	20/1	1,920	PV1-04
SHUNT			31	180			32	20/1	180	RCP: RM 109 POS
RCP: RM 105 (SEE NOTE 2)	180	20/1	33		360		34	20/1	180	RCP: RM 109 POS
RCP: RM 105 (SEE NOTE 2)	180	20/1	35			360	36	20/1	180	RCP: RM 109 POS
RCP: RM 105 (SEE NOTE 2)	180	20/1	37	180			38	20/1		SPARE
RCP: RM 105 (SEE NOTE 2)	180	20/1	39		180		40	20/1		SPARE
SPARE		20/1	41				42	20/1		SPARE

NOTES:				
1. HVAC & REFRIG. EQUIP. SHALL USE TYPE HACR BREAKERS.	8,863	6,172	5,808	TOTAL V. AMPS
2. ALL BREAKERS IN KITCHEN (ROOM 105) MUST BE GFI.	74	51	48	CONN. AMPS
3. PROVIDE SHUNT TRIP BREAKERS WHERE SPECIFIED.				

200 A. BUS (COPPER)
200 A. MAIN CIRCUIT BREAKER
22 KAIC MIN.

PANEL LP3

TYPE: NEMA 1 | 208 | 120 V, | 3 PH, | 4 WIRE | PROVIDE IF | XX | EQUIP. GND BUS
BOLT-ON | MOUNT: FLUSH | | | | CHECKED: | XX | NEUTRAL BUS
DOOR-IN-DOOR, | FEED: TOP | | | | | | GUTTER TAPS
HINGED TRIM FRONT COVER | | | | | | | SUB-FEED LUGS

LOAD SERVED	LOAD VA	CKT BKR	CKT #	LOAD VA A	LOAD VA B	LOAD VA C	CKT #	CKT BKR	LOAD VA	LOAD SERVED
PV1-01, PV1-02	360	20/1	1	855			2	20/1	495	LTG: RM 105, 106, 107 & ELEV EQP RM
RCP: TV RM 100	200	20/1	3		1,188		4	20/1	988	LTG: RM 109, 110 & 111
RCP: RM 102, & 103	360	20/1	5			998	6	20/1	638	LTG: RM 100, 101, 102, 103 & 104
RCP: RM 100, 101 & 104	720	20/1	7	1,120			8	20/1	400	FUTURE CANOPY LTG & FAN
RCP: RM 108, & 110	540	20/1	9		840		10	20/1	300	RCP: TV CANOPY
RCP: RM 111	540	20/1	11			775	12	20/1	235	INVERTER / EXTERIOR LIGHITNG
RCP: RM 111 DESK & TV	660	20/1	13	1,235			14	20/1	575	RCP: RM 107(14A)
RCP: BAG STORAGE (SEE NOTE 2)	2,500	30/2	15		2,800		16	20/1	300	RCP: TV CANOPY
	2,500		17			2,680	18	20/1	180	RCP: RM 107
RCP: BAG STORAGE (SEE NOTE 2)	2,500	30/2	19	2,680			20	20/1	180	RCP: RM 107
	2,500		21		2,680		22	20/1	180	RCP: RM 107
RCP: BAG STORAGE (SEE NOTE 2)	2,500	30/2	23			2,680	24	20/1	180	RCP: RM 107
	2,500		25	2,920			26	20/1	420	RCP: RM 107 (17)
RCP: BAG STORAGE	540	20/1	27		720		28	20/1	180	RCP: RM 105
RCP: BAG STORAGE	360	20/1	29			540	30	20/1	180	RCP: RM 105
RCP: @ FIRE RISER	180	20/1	31	360			32	20/1	180	RCP: RM 105
RCP: EXTERIOR	540	20/1	33		720		34	20/1	180	RCP: RM 105
RCP: EXT. PATIO	180	20/1	35			180	36	20/1		SPARE
RCP: EXT. PATIO	180	20/1	37	180			38	20/1		SPARE
RCP: RM 100	180	20/1	39		4,798		40	70/2	4,618	EDH01
RCP: RM 100	180	20/1	41			4,798	42		4,618	

NOTES:				
1. HVAC & REFRIG. EQUIP. SHALL USE TYPE HACR BREAKERS.	9,350	13,746	12,651	TOTAL V. AMPS
2. VERIFY BREAKER AND WIRING WITH OWNER SUPPLIED EQUIPMENT.	78	115	105	CONN. AMPS

200 A. BUS (COPPER)
200 A. MAIN CIRCUIT BREAKER
22 KAIC MIN.

(X)PANEL 1200

TYPE: NEMA 1 | 208 | 120 V, | 3 PH, | 4 WIRE | PROVIDE IF | XX | EQUIP. GND BUS
BOLT-ON | MOUNT: WALL | | | | CHECKED: | XX | NEUTRAL BUS
| FEED: BOTTOM | | | | | | GUTTER TAPS
| | | | | | | SUB-FEED LUGS

LOAD SERVED	LOAD VA	CKT BKR	CKT #	LOAD VA A	LOAD VA B	LOAD VA C	CKT #	CKT BKR	LOAD VA	LOAD SERVED
EXISTING CIRCUIT		225/3	1				2	225/3		EXISTING CIRCUIT
EXISTING CIRCUIT		225/3	3				4	225/3		EXISTING CIRCUIT
EXISTING CIRCUIT		225/3	5				6	225/3		EXISTING CIRCUIT

NOTE:				
1. HVAC EQUIPMENT SHALL USE TYPE HACR BREAKERS.				TOTAL V. AMPS
2. ARC ENERGY REDUCTION REQUIRED AT ALL BREAKERS THAT CAN BE ADJUSTED TO 1200AMPS OR MORE PER NEC 240.87.				CONN. AMPS

1,200 A. BUS (COPPER)
1,200 A. MAIN LUGS

PANEL B

TYPE: NEMA 1 | 208 | 120 V, | 3 PH, | 4 WIRE | PROVIDE IF | XX | EQUIP. GND BUS
BOLT-ON | MOUNT: SURFACE | | | | CHECKED: | XX | NEUTRAL BUS
DOOR-IN-DOOR, | FEED: BOTTOM | | | | | | GUTTER TAPS
HINGED TRIM FRONT COVER | | | | | | | SUB-FEED LUGS

LOAD SERVED	LOAD VA	CKT BKR	CKT #	LOAD VA A	LOAD VA B	LOAD VA C	CKT #	CKT BKR	LOAD VA	LOAD SERVED
RCP: RM 200 & 202	540	20/1	1	1,080			2	20/1	540	RCP: RM 205 & 207
RCP: RM 201	360	20/1	3		900		4	20/1	540	RCP: RM 208
RCP: RM 201	540	20/1	5			1,080	6	20/1	540	RCP: RM 208
RCP: RM 202 & 217	720	20/1	7	1,260			8	20/1	540	RCP: RM 206
RCP: RM 202	720	20/1	9		1,260		10	20/1	540	RCP: RM 206
RCP: RM 203	720	20/1	11			1,620	12	20/1	900	RCP: RM 220
RCP: RM 204	360	20/1	13	1,080			14	20/1	720	RCP: RM 220
RCP: RM 204	360	20/1	15		2,035		16	20/1	1,675	LTG: RM 200, 201 & 227
RCP: RM 204	360	20/1	17			2,133	18	20/1	1,773	LTG: RM 205 & 206
RCP: RM 210 & 211	540	20/1	19	1,788			20	20/1	1,248	LTG: RM 207, 208 & 209
RCP: RM 205	180	20/1	21		1,620		22	20/1	1,440	LTG: RM 202
RCP: RM 205 POS	180	20/1	23			1,140	24	20/1	960	LTG: RM 202
RCP: RM 205 REFRIG BACK BAR (13)	420	20/1	25	579			26	20/1	159	LTG: 210
RCP: RM 205 DIRECT DRAW COOLER (14)	420	20/1	27		1,620		28	20/1	1,200	RCP: BLENDER
RCP: RM 205 REFRIG BACK BAR (15)	420	20/1	29			720	30	20/1	300	RCP: RM 207 TV
RCP: RM 205	180	20/1	31	480			32	20/1	300	RCP: RM 206 TV
RCP: RM 205	180	20/1	33		180		34	20/1		SPARE
SPARE		20/1	35				36	20/1		SPARE
SPARE		20/1	37				38	20/1		SPARE
SPARE		20/1	39		2,250		40	30/2	2,250	RCP: RM 205 ROTARY WASHER (8)
SPARE		20/1	41			2,250	42		2,250	
SPARE		20/1	43				44	20/1		SPARE
SPARE		20/1	45				46	20/1		SPARE
RCP: RM 202	2,880	30/1	47			2,880	48	20/1		SPARE
RCP: RM 202	2,880	30/1	49	5,760			50	30/1	2,880	RCP: RM 204
RCP: RM 202	2,880	30/1	51		5,760		52	30/1	2,880	RCP: RM 204
RCP: RM 202	2,880	30/1	53			2,880	54	20/1		SPARE

NOTES:				
1. HVAC & REFRIG. EQUIP. SHALL USE TYPE HACR BREAKERS.	12,027	15,625	14,703	TOTAL V. AMPS
	100	130	123	CONN. AMPS

200 A. BUS (COPPER)
200 A. MAIN CIRCUIT BREAKER
22 KAIC MIN.

CBHF Engineers, PLLC
2246 Yaupon Drive
Wilmington, NC 28401
Phone: 910.791.4000
Fax: 910.791.5266
www.cbhfengineers.com
NC# P-0506

© Copyright 2020 CBHF Engineers, PLLC

BOWMAN MURRAY HEMINGWAY
ARCHITECTS
514 Market Street
Wilmington, NC 28401
Tel - (910) 762-2621
Fax - (910) 762-8506

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 023311 W. ALLEN CRABB
08-28-2020

The Country Club of Landfall
Dye Club House
Wilmington, North Carolina

REV.	DATE	DESCRIPTION
1	08.28.20	ADDENDUM #3: OWNER LOW VOLTAGE COMMENTS

NO.	DATE	ISSUE NOTE

Project Manager: MDM
Drawn By: MDM
Date: 07.29.2020
Reviewed By: WAC
Project ID:

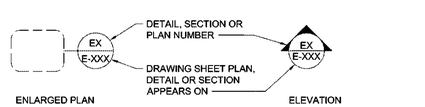
Sheet Title: ELECTRICAL PANEL SCHEDULES
Sheet No.: E0.7

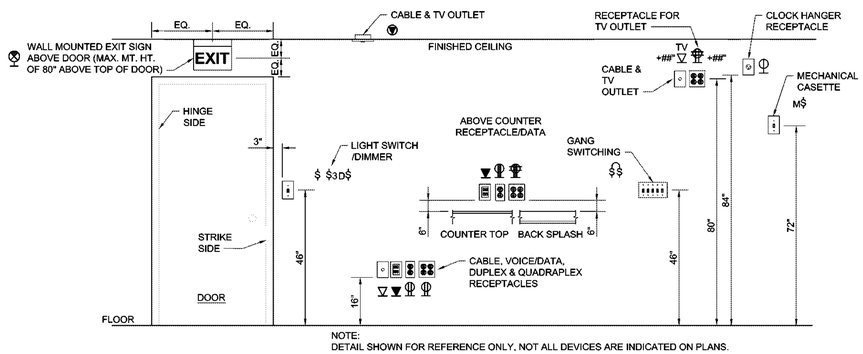
ELECTRICAL LEGEND

SYMBOL	DESCRIPTION
	2x4 LIGHT FIXTURE, RECESSED OR SURFACE MOUNTED LETTER INDICATES FIXTURE TYPE (SEE FIXTURE SCHEDULE)
	4FT OR 8FT LIGHT FIXTURE, RECESSED OR SURFACE MOUNTED LETTER INDICATES FIXTURE TYPE (SEE FIXTURE SCHEDULE)
	4FT OR 8FT CHANNEL LIGHT FIXTURE, SUSPENDED OR SURFACE MOUNTED LETTER INDICATES FIXTURE TYPE (SEE FIXTURE SCHEDULE)
	WALL MOUNTED LIGHT FIXTURE LETTER INDICATES FIXTURE TYPE (SEE FIXTURE SCHEDULE)
	RECESSED LIGHT FIXTURE LETTER INDICATES FIXTURE TYPE (SEE FIXTURE SCHEDULE)
	SURFACE LIGHT FIXTURE LETTER INDICATES FIXTURE TYPE (SEE FIXTURE SCHEDULE)
	RECESSED WALL WASH LIGHT FIXTURE LETTER INDICATES FIXTURE TYPE (SEE FIXTURE SCHEDULE)
	WALL MOUNTED LIGHT FIXTURE LETTER INDICATES FIXTURE TYPE (SEE FIXTURE SCHEDULE)
	POWER & SWITCH LEG
	UNSWITCHED LEG
	EXIT SIGN, SINGLE FACE, CEILING, ARROW INDICATES DIRECTION. LETTER INDICATES FIXTURE TYPE (SEE FIXTURE SCHEDULE)
	EXIT SIGN, DOUBLE FACE, CEILING MOUNTED, ARROW INDICATES DIRECTION. LETTER INDICATES FIXTURE TYPE (SEE FIXTURE SCHEDULE)
	EXIT SIGN W/EMERGENCY LIGHTING UNIT, CEILING MOUNTED, ARROW INDICATES DIRECTION. LETTER INDICATES FIXTURE TYPE (SEE FIXTURE SCHEDULE)
	EXIT SIGN, SINGLE FACE, WALL/END MOUNTED, ARROW INDICATES DIRECTION. LETTER INDICATES FIXTURE TYPE (SEE FIXTURE SCHEDULE)
	EXIT SIGN, DOUBLE FACE, WALL/END MOUNTED, ARROW INDICATES DIRECTION. INDICATES FIXTURE TYPE (SEE FIXTURE SCHEDULE)
	EMERGENCY LIGHTING UNIT, 2-HEAD WITH BATTERY BACK-UP, WALL MOUNTED, "NOT SWITCHED" LETTER INDICATES FIXTURE TYPE (SEE FIXTURE SCHEDULE)
	EMERGENCY LIGHTING UNIT, 2-HEAD WITH BATTERY BACK-UP, CEILING MOUNTED, "NOT SWITCHED" LETTER INDICATES FIXTURE TYPE (SEE FIXTURE SCHEDULE)
PE	PHOTOCELL, REMOTE MOUNTED, 120V, 10 SECOND TIME DELAY, UL WET LOCATION, RATED FOR 1500 W @ 120 VAC AND 4000 W @ 277 VAC (FOR USE WITH LAMP SOURCE(S) SHOWN
$	SWITCH, SINGLE POLE, 120/277VAC, 20A, MOUNTED AT 46" AFF UNLESS OTHERWISE NOTED (SEE ELECTRICAL MOUNTING HEIGHT DETAIL). LOWER CASE LETTER INDICATES FIXTURE SWITCHING (WHEN INDICATED)
$3	3-WAY SWITCH, SINGLE POLE 120/277 VAC, 20A, MOUNTED AT 46" AFF UNLESS OTHERWISE NOTED
$4	4-WAY SWITCH 120/277 VAC, 20A, MOUNTED AT 46" AFF UNLESS OTHERWISE NOTED
$$	INDICATES BI-LEVEL SWITCHING, 1 SWITCH SWITCHES OUTSIDE LAMPS, 1 SWITCH SWITCHES INSIDE LAMPS.
$WP	WEATHERPROOF SWITCH, SINGLE POLE 120/277 VAC, 20A, MOUNTED AT 46" AFF UNLESS OTHERWISE NOTED
D$	DIMMER, 0-10V OR LED RATED LINE DIMMER, PER APPLICATION
AFC$	ADJUSTABLE FAN CONTROL
OS	CEILING MOUNTED DUAL TECHNOLOGY OCCUPANCY SENSOR, 360° COVERAGE 2 = SECOND CONTACT TO BE PROVIDED FOR CONNECTION TO BUILDING MANAGEMENT
O$	WALL MOUNTED OCCUPANCY SENSOR, SINGLE BUTTON ON/OFF CONTROL, 180° COVERAGE, MOUNTED AT 46" AFF UNLESS OTHERWISE NOTED.
O$2	WALL MOUNTED OCCUPANCY SENSOR, DUAL BUTTON ON/OFF CONTROL, 180° COVERAGE, MOUNTED AT 46" AFF UNLESS OTHERWISE NOTED.
$T	WALL MOUNTED DIGITAL TIMED SWITCH (5 MIN'S TO 12 HR'S), SINGLE BUTTON ON/OFF CONTROL, MOUNTED AT 46" AFF UNLESS OTHERWISE NOTED.
O$F	WALL MOUNTED DUAL TECHNOLOGY OCCUPANCY SENSOR, DUAL BUTTON ON/OFF CONTROL, 180° COVERAGE, ADDITIONAL POWER SUPPLY FOR FAN OPERATION, MOUNTED AT 46" AFF UNLESS OTHERWISE NOTED.

ELECTRICAL LEGEND

SYMBOL	DESCRIPTION
	RECESSED SINGLE/DOUBLE GANG BOX WITH BLANK COVER PLATE, MOUNTED 16" AFF, UNLESS OTHERWISE NOTED
	RECESSED DEDICATED/PICTURE/CLOCK SINGLE OUTLET, 120VAC, 20A, MOUNTED AS INDICATED ON DRAWING.
	RECEPTACLE, DUPLEX, 120VAC, 20A, MOUNTED 16" AFF, UNLESS OTHERWISE NOTED. (SEE ELECTRICAL MOUNTING HEIGHT DETAIL) WP - LISTED WEATHER-RESISTANT TYPE DEVICE WITH WEATHERPROOF IN USE COVER GFI - GROUND FAULT CIRCUIT INTERRUPTER TYPE, 120VAC, 20A, MOUNTED 24" AFF LOCATE GFI TEST SWITCH IN A READILY ACCESSIBLE LOCATION TR - TAMPER RESISTANT
	RECEPTACLE, DUPLEX, 120VAC, 20A, MOUNTED 6" ABOVE COUNTER TOP OR BACK SPLASH. +## - INDICATES MOUNTING HEIGHT OF DEVICE IN INCHES AFF (IF GIVEN) (SEE ELECTRICAL MOUNTING HEIGHT DETAIL)
	RECEPTACLE, QUADPLEX, 120VAC, 20A MOUNTED 16"AFF UNLESS OTHERWISE NOTED (SEE ELECTRICAL MOUNTING HEIGHT DETAIL) WP - LISTED WEATHER-RESISTANT TYPE DEVICE WITH WEATHERPROOF, EXTRA DUTY, WHILE IN USE COVER GFI - GROUND FAULT CIRCUIT INTERRUPTER TYPE, 120VAC, 20A, MOUNTED 24" AFF LOCATE GFI TEST SWITCH IN A READILY ACCESSIBLE LOCATION TR - TAMPER RESISTANT
	RECEPTACLE, QUADPLEX, 120VAC, 20A, MOUNTED 6" ABOVE COUNTER TOP OR BACK SPLASH. +## - INDICATES MOUNTING HEIGHT OF DEVICE IN INCHES AFF (IF GIVEN) (SEE ELECTRICAL MOUNTING HEIGHT DETAIL)
	RECEPTACLE, 208VAC, 2 POLE, 3 WIRE, WALL MOUNTED, SIZE AS INDICATED ON DRAWING
	RECEPTACLE, DUPLEX, 120VAC, 30A, MOUNTED 16" AFF, UNLESS OTHERWISE NOTED. (1)
	RECEPTACLE, DUPLEX, 120VAC, 20A RECESSED FLOOR MOUNTED.
30A/3/3R, W/ 30AF	DISCONNECT SWITCH, FUSED, HEAVY (GENERAL) DUTY, SIZE AS INDICATED ON DRAWINGS (SIZE AS INDICATED IN THE EQUIPMENT CONNECTION SCHEDULE) ##A = DISCONNECT SIZE / # = NUMBER OF POLES / # = NEMA RATING, /##AF = FUSE SIZE
M$##	MANUAL MOTOR STARTER, ELECTRICAL CONTRACTOR SHALL COORDINATE POLES AND SIZE WITH EQUIPMENT ## = AMPERAGE RATING WHEN INDICATED ON DRAWING
	PANELBOARD, SURFACE OR RECESSED MOUNTED AS SHOWN. SIZE, RATINGS, AND MOUNTING AS INDICATED ON PANEL SCHEDULE. CONTRACTOR IS RESPONSIBLE FOR REQUIRED CLEARANCE IN FRONT OF ELECTRICAL PANEL. SEE NEC TABLE 110.26 WORKING SPACES FOR ADDITIONAL CLEARANCE CONDITIONS.
M	ELECTRICAL MOTOR
	METER
	CONDUIT, HOME RUN TO PANEL BOARD
WP WAP	WIRELESS ACCESS POINT, 1 DATA IN A DUAL GANG BOX WITH A SINGLE GANG PLASTER RING, OWNER SHALL PROVIDE SURGE PROTECTOR AND WAP DEVICE, THE ELECTRICAL CONTRACTOR SHALL INSTALL. CONTRACTOR MUST COORDINATE FINAL LOCATION WITH OWNER BEFORE ROUGH-IN. (1) WP - LISTED WEATHER-RESISTANT TYPE DEVICE
	COMBINATION DATA/TELEPHONE OUTLET, MOUNTED 18" AFF UNLESS OTHERWISE NOTED. PROVIDE 1-1/4" CONDUIT TO ABOVE GRID CEILING W/PULL STRING. OUTLETS LOCATED BELOW HARD(GYPBOARD) CEILINGS, ROUTE 1-1/4" CONDUIT BACK TO TELEPHONE/DATA ROOM. COORDINATE NUMBER OF VOICE AND DATA CONNECTIONS WITH OWNER AND OWNER'S DATA CONTRACTOR.
	COMBINATION DATA/COAX OUTLET, MOUNTED 18" AFF UNLESS OTHERWISE NOTED. PROVIDE 1-1/4" CONDUIT TO ABOVE GRID CEILING W/PULL STRING. OUTLETS LOCATED BELOW HARD(GYPBOARD) CEILINGS, ROUTE 1-1/4" CONDUIT BACK TO TELEPHONE/DATA ROOM. COORDINATE NUMBER OF VOICE AND DATA CONNECTIONS WITH OWNER AND OWNER'S DATA CONTRACTOR. (1)
	FLOOR MOUNTED DATA RACK
	JUNCTION BOX - WALL MOUNTED +## - INDICATES MOUNTING HEIGHT OF DEVICE IN INCHES AFF (if given)
	JUNCTION BOX - CEILING/ABOVE CEILING MOUNTED
	JUNCTION BOX - FLOOR MOUNTED
	HATCHING INDICATES ITEMS TO BE DEMOLISHED. REMOVE DEVICE, EQUIPMENT, FIXTURE INDICATED, CIRCUIT, AND CONDUIT BACK TO SOURCE UNLESS OTHERWISE NOTED.





NOTE:
DETAIL SHOWN FOR REFERENCE ONLY. NOT ALL DEVICES ARE INDICATED ON PLANS.

1 ELECTRICAL DEVICES - MOUNTING HEIGHT DETAIL

NOT TO SCALE

CBHF Engineers, PLLC
2246 Yaupon Drive
Wilmington, NC 28401
Phone: 910.791.4000
Fax: 910.791.5266
www.cbhfengineers.com

© Copyright 2020 CBHF Engineers, PLLC

NC# P-0506

BOWMAN MURRAY HEMINGWAY ARCHITECTS
514 Market Street
Wilmington, NC 28401
Tel - (910) 762-2621
Fax - (910) 762-8506

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 023311 W. ALLEN CRIBB

08-28-2020

The Country Club of Landfall
Dye Club House
Wilmington, North Carolina

REV.	DATE	DESCRIPTION
1	08.28.20	ADDENDUM #3: OWNER LOW VOLTAGE COMMENTS

NO.	DATE	ISSUE NOTE

Project Manager	Drawn By: MDM
Date: 07.29.2020	Reviewed By: WAC
Project ID	

Sheet Title: ELECTRICAL LEGEND AND DETAIL

Sheet No.: E0.1

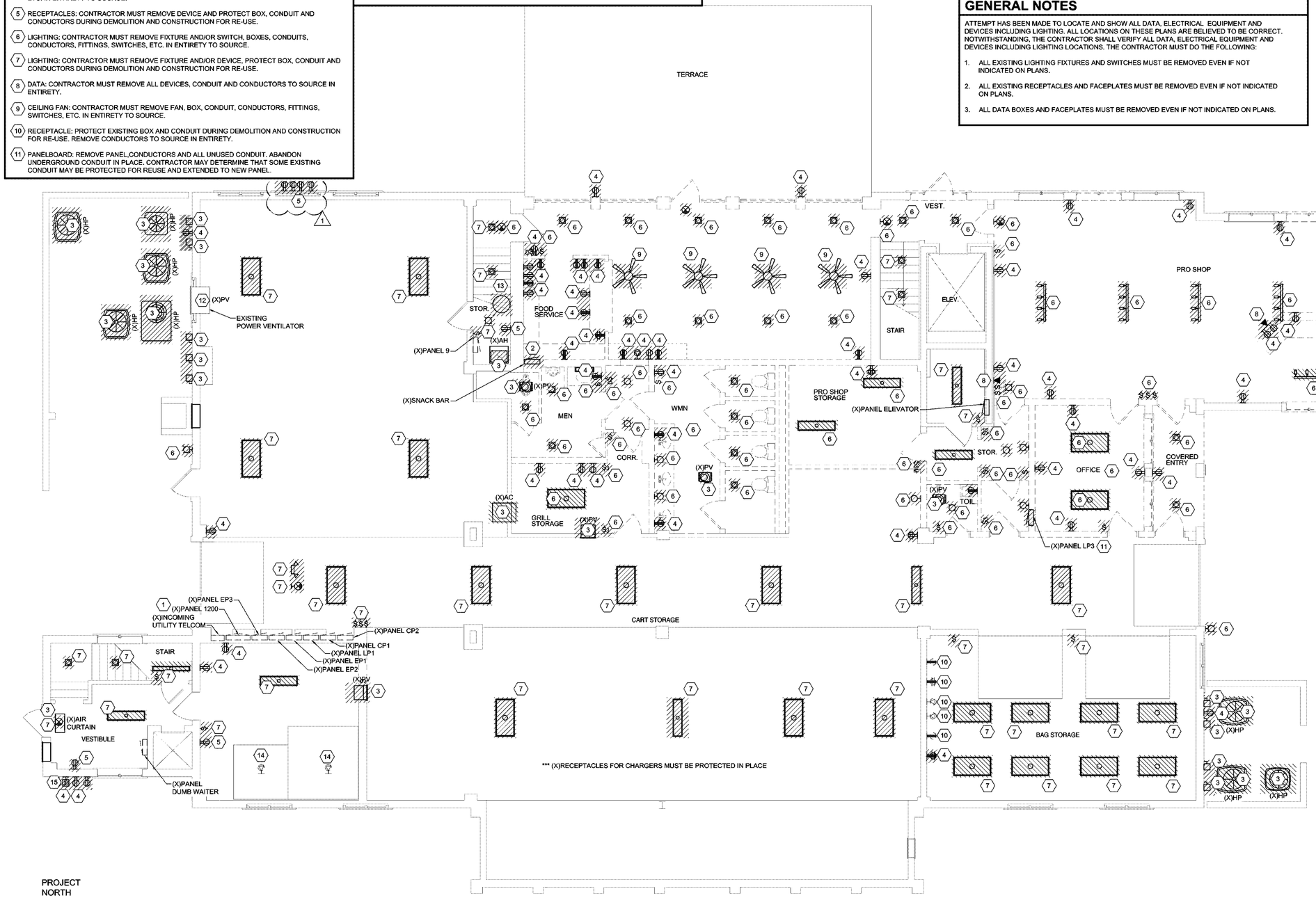
DEMOLITION KEYED NOTES

1. MAIN DISTRIBUTION PANEL: CONTRACTOR MUST PROTECT PANEL AND DISTRIBUTION TO SUB-PANELS DURING DEMOLITION AND CONSTRUCTION FOR RE-USE.
2. PANELBOARD: CONTRACTOR MUST REMOVE PANEL, CONDUIT, CONDUCTORS, SUPPORTS ETC. IN ENTIRETY.
3. HVAC EQUIPMENT: CONTRACTOR MUST DISCONNECT EQUIPMENT, DISCONNECTS, CONDUIT, CONDUCTORS, FITTINGS, ETC. IN ENTIRETY TO SOURCE.
4. RECEPTACLES: CONTRACTOR MUST REMOVE DEVICE, BOX, CONDUIT, CONDUCTORS, FITTINGS ETC. IN ENTIRETY TO SOURCE.
5. RECEPTACLES: CONTRACTOR MUST REMOVE DEVICE AND PROTECT BOX, CONDUIT AND CONDUCTORS DURING DEMOLITION AND CONSTRUCTION FOR RE-USE.
6. LIGHTING: CONTRACTOR MUST REMOVE FIXTURE AND/OR SWITCH, BOXES, CONDUITS, CONDUCTORS, FITTINGS, SWITCHES, ETC. IN ENTIRETY TO SOURCE.
7. LIGHTING: CONTRACTOR MUST REMOVE FIXTURE AND/OR DEVICE, PROTECT BOX, CONDUIT AND CONDUCTORS DURING DEMOLITION AND CONSTRUCTION FOR RE-USE.
8. DATA: CONTRACTOR MUST REMOVE ALL DEVICES, CONDUIT AND CONDUCTORS TO SOURCE IN ENTIRETY.
9. CEILING FAN: CONTRACTOR MUST REMOVE FAN, BOX, CONDUIT, CONDUCTORS, FITTINGS, SWITCHES, ETC. IN ENTIRETY TO SOURCE.
10. RECEPTACLE: PROTECT EXISTING BOX AND CONDUIT DURING DEMOLITION AND CONSTRUCTION FOR RE-USE. REMOVE CONDUCTORS TO SOURCE IN ENTIRETY.
11. PANELBOARD: REMOVE PANEL,CONDUCTORS AND ALL UNUSED CONDUIT. ABANDON UNDERGROUND CONDUIT IN PLACE. CONTRACTOR MAY DETERMINE THAT SOME EXISTING CONDUIT MAY BE PROTECTED FOR REUSE AND EXTENDED TO NEW PANEL.
12. POWER VENTILATOR: CONTRACTOR MUST PROTECT DISCONNECT, BOXES, CONDUIT AND CONDUCTORS DURING DEMOLITION AND CONSTRUCTION.
13. WATER HEATER: CONTRACTOR MUST DISCONNECT DEVICES, REMOVE DISCONNECTS, CONDUIT, CONDUCTORS, FITTINGS, ECT. IN ENTIRETY TO SOURCE.
14. NOT IN SCOPE, EXISTING DEVICE TO REMAIN.
15. JB: CONTRACTOR MUST REMOVE BOX, CONDUIT, CONDUCTORS, FITTINGS ETC. IN ENTIRETY TO SOURCE.

GENERAL NOTES

ATTEMPT HAS BEEN MADE TO LOCATE AND SHOW ALL DATA, ELECTRICAL EQUIPMENT AND DEVICES INCLUDING LIGHTING. ALL LOCATIONS ON THESE PLANS ARE BELIEVED TO BE CORRECT. NOTWITHSTANDING, THE CONTRACTOR SHALL VERIFY ALL DATA, ELECTRICAL EQUIPMENT AND DEVICES INCLUDING LIGHTING LOCATIONS. THE CONTRACTOR MUST DO THE FOLLOWING:

1. ALL EXISTING LIGHTING FIXTURES AND SWITCHES MUST BE REMOVED EVEN IF NOT INDICATED ON PLANS.
2. ALL EXISTING RECEPTACLES AND FACEPLATES MUST BE REMOVED EVEN IF NOT INDICATED ON PLANS.
3. ALL DATA BOXES AND FACEPLATES MUST BE REMOVED EVEN IF NOT INDICATED ON PLANS.



PROJECT NORTH

1 / ED1.1 **FIRST FLOOR PLAN - DEMOLITION**

scale: 3/16"=1'-0"

CBHF Engineers, PLLC
2246 Yaupon Drive
Wilmington, NC 28401
Phone: 910.791.4000
Fax: 910.791.5266
www.cbhfengineers.com
NC# P-0506

© Copyright 2020 CBHF Engineers, PLLC

BOWMAN MURRAY HEMINGWAY ARCHITECTS
514 Market Street
Wilmington, NC 28401
Tel - (910) 762-2621
Fax - (910) 762-8506

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 023311 W. ALLEN CRIBB

08-28-2020

The Country Club of Landfall
Dye Club House
Wilmington, North Carolina

REV.	DATE	DESCRIPTION
1	08.28.20	ADDENDUM #3: OWNER LOW VOLTAGE COMMENTS

NO.	DATE	ISSUE NOTE

Project Manager	Drawn By: MDM
Date: 07.29.2020	Reviewed By: WAC
Project ID	

Sheet Title: ELECTRICAL FIRST FLOOR DEMO PLAN

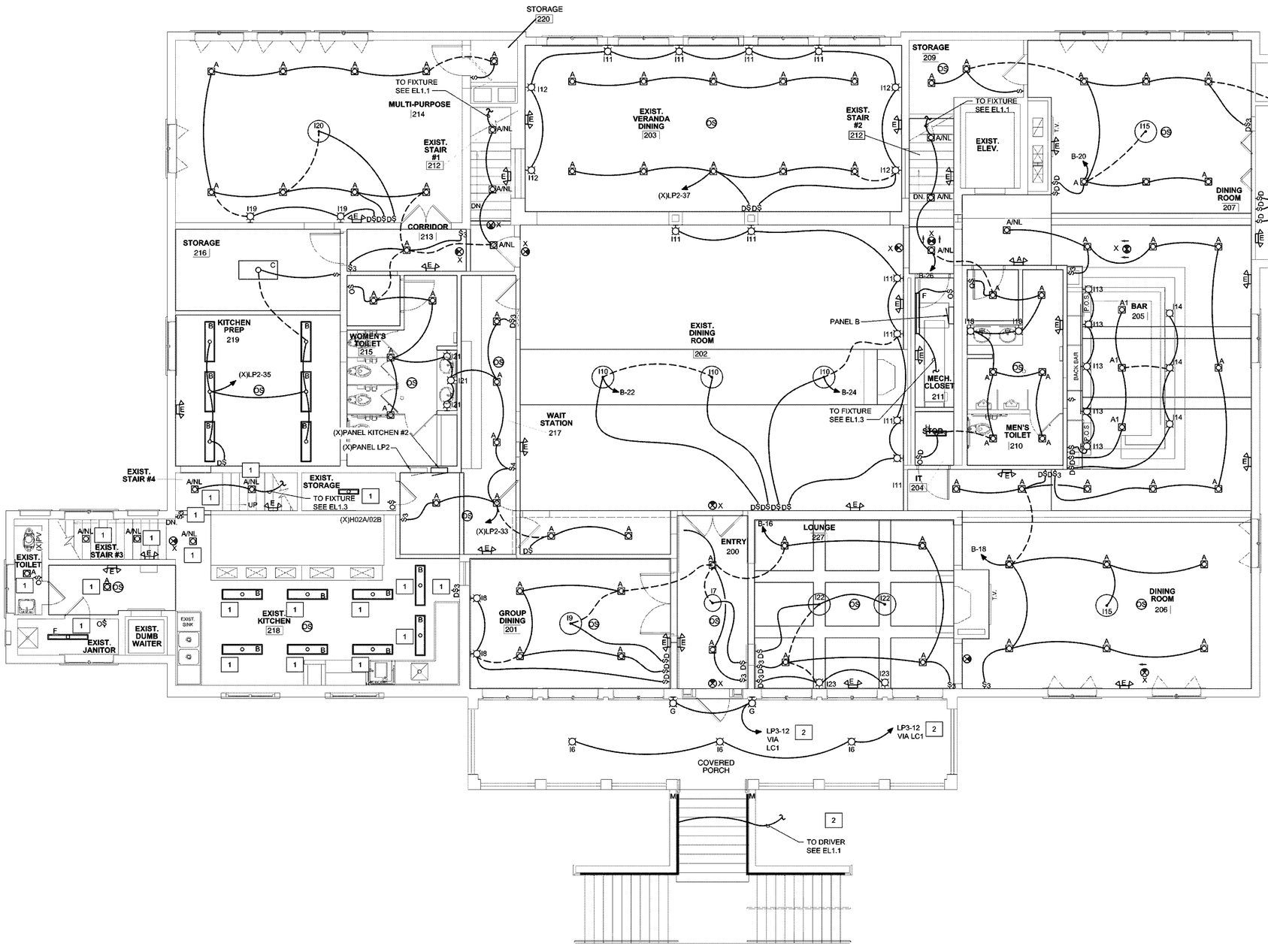
Sheet No.: ED1.1

KEYED NOTES

1. CONTRACTOR PROVIDED FIXTURE CONNECTED TO EXISTING CIRCUIT.
2. THIS FIXTURE FED VIA INVERTER UPON LOSS OF NORMAL POWER.

GENERAL NOTE:

INTERIOR DESIGNER MUST APPROVE ALL SCONCE LOCATIONS. CONTRACTOR MUST COORDINATE SITE VISIT WITH INTERIOR DESIGNER BEFORE ANY ELECTRICAL ROUGH-IN WORK.



PROJECT NORTH

1 / EL1.2 **SECOND FLOOR PLAN**
scale: 3/16"=1'-0"

CBHF Engineers, PLLC
2246 Yaupon Drive
Wilmington, NC 28401
Phone: 910.791.4000
Fax: 910.791.5266
www.cbhfengineers.com
NC# P-0506

© Copyright 2020 CBHF Engineers, PLLC

BOWMAN MURRAY HEMINGWAY ARCHITECTS
514 Market Street
Wilmington, NC 28401
Tel - (910) 762-2621
Fax - (910) 762-8506

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 023311 W. ALLEN CRABB
08-14-2020

The Country CLub of Landfall
Dye Club House
Wilmington, North Carolina

REV.	DATE	DESCRIPTION
1	08.10.20	ADDENDUM #1: CEILING LIGHTING REVISED

NO.	DATE	ISSUE NOTE

Project Manager	Drawn By: MDM
Date: 07.29.2020	Reviewed By: WAC
Project ID	

Sheet Title: ELECTRICAL SECOND FLOOR LIGHTING PLAN

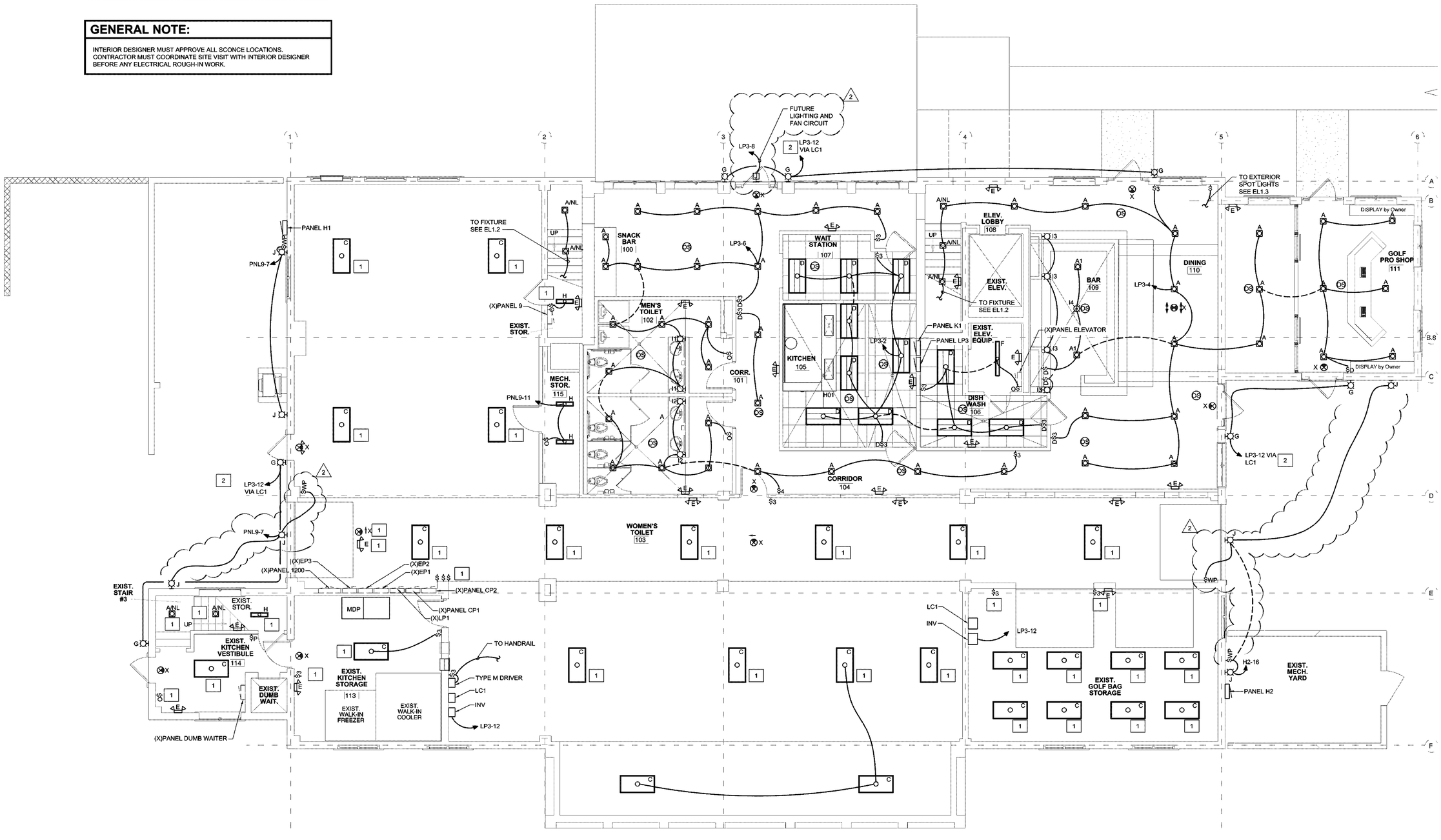
Sheet No.: EL1.2

KEYED NOTES

1. CONTRACTOR PROVIDED FIXTURE CONNECTED TO EXISTING CIRCUIT.
2. THIS FIXTURE FED VIA INVERTER UPON LOSS OF NORMAL POWER.

GENERAL NOTE:

INTERIOR DESIGNER MUST APPROVE ALL SCONCE LOCATIONS. CONTRACTOR MUST COORDINATE SITE VISIT WITH INTERIOR DESIGNER BEFORE ANY ELECTRICAL ROUGH-IN WORK.



PROJECT NORTH

1 / EL1.1 **FIRST FLOOR PLAN**
scale: 3/16"=1'-0"

CBHF
Engineers, PLLC
2246 Yaupon Drive
Wilmington, NC 28401
Phone: 910.791.4000
Fax: 910.791.5266
www.cbhfengineers.com
NC# P-0506

© Copyright 2020 CBHF Engineers, PLLC

BOWMAN MURRAY HEMINGWAY
ARCHITECTS
514 Market Street
Wilmington, NC 28401
Tel - (910) 762-2621
Fax - (910) 762-8506

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 023311 W. ALLEN CRABB

08-28-2020

The Country Club of Landfall
Dye Club House
Wilmington, North Carolina

REV	DATE	DESCRIPTION
2	08.28.20	ADDENDUM #3: OWNER LOW VOLTAGE COMMENTS
1	08.10.20	ADDENDUM #1: CEILING LIGHTING REVISED

NO.	DATE	ISSUE NOTE

Project Manager	Drawn By: MDM
Date: 07.29.2020	Reviewed By: WAC
Project ID	

Sheet Title
ELECTRICAL FIRST FLOOR LIGHTING PLAN

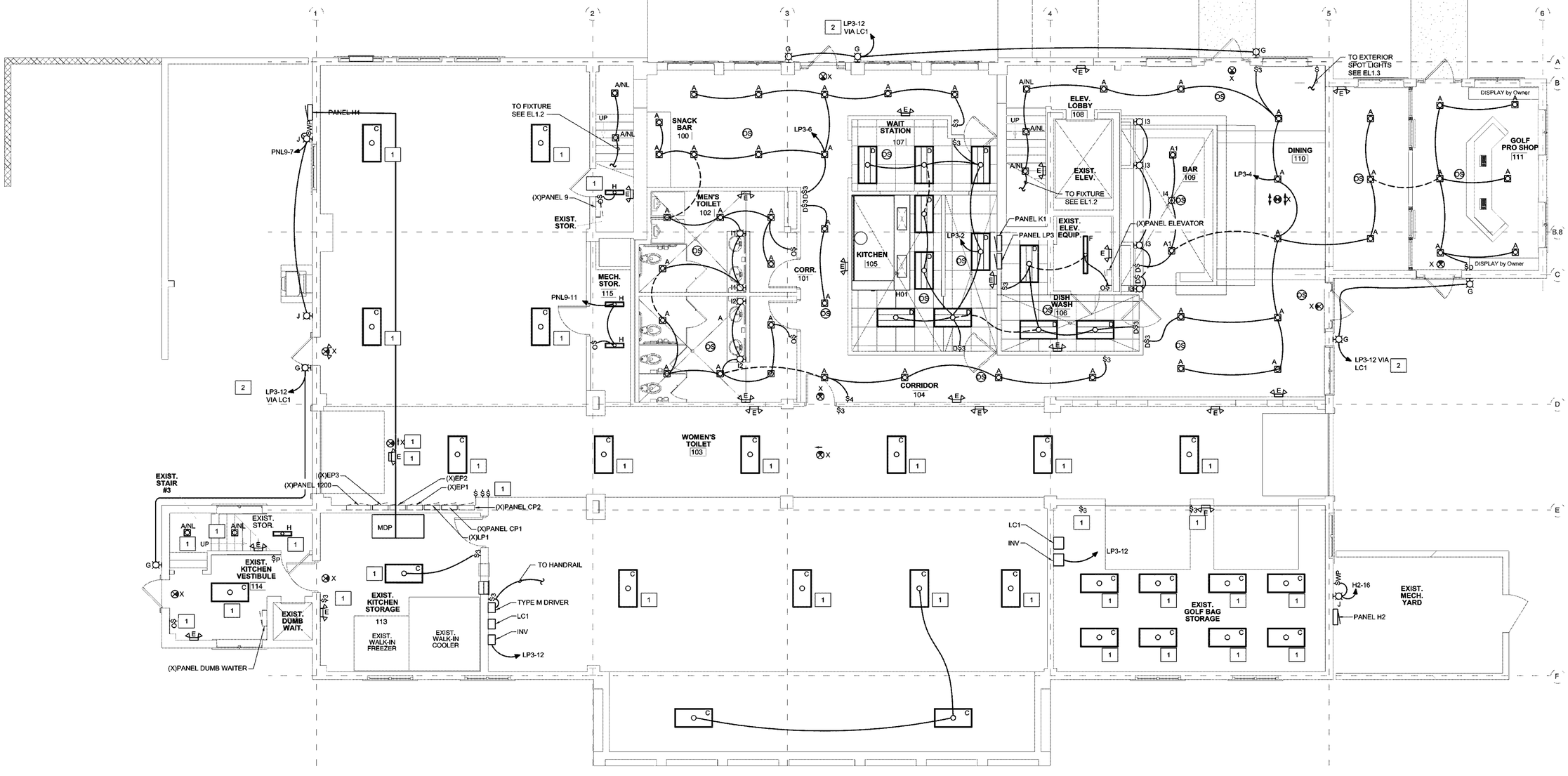
Sheet No.
EL1.1

KEYED NOTES

1. CONTRACTOR PROVIDED FIXTURE CONNECTED TO EXISTING CIRCUIT.
2. THIS FIXTURE FED VIA INVERTER UPON LOSS OF NORMAL POWER.

GENERAL NOTE:

INTERIOR DESIGNER MUST APPROVE ALL SCONCE LOCATIONS. CONTRACTOR MUST COORDINATE SITE VISIT WITH INTERIOR DESIGNER BEFORE ANY ELECTRICAL ROUGH-IN WORK.



PROJECT NORTH

1 / EL1.1 **FIRST FLOOR PLAN**
scale: 3/16"=1'-0"

CBHF Engineers, PLLC
2246 Yaupon Drive
Wilmington, NC 28401
Phone: 910.791.4000
Fax: 910.791.5266
www.cbhfengineers.com
NC# P-0506

© Copyright 2020 CBHF Engineers, PLLC

BOWMAN MURRAY HEMINGWAY ARCHITECTS
514 Market Street
Wilmington, NC 28401
Tel - (910) 762-2621
Fax - (910) 762-8506

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 023311 W. ALLEN CRABB

08-14-2020

The Country CLub of Landfall
Dye Club House
Wilmington, North Carolina

REV.	DATE	DESCRIPTION
1	08.10.20	ADDENDUM #1: CEILING LIGHTING REVISED

NO.	DATE	ISSUE NOTE

Project Manager	Drawn By: MDM
Date: 07.29.2020	Reviewed By: WAC
Project ID	

Sheet Title: ELECTRICAL FIRST FLOOR LIGHTING PLAN

Sheet No.: EL1.1