

## ADDENDUM NO. ONE (1)

The Construction Drawings and/or Project Manual for the above project are amended in the following particulars and in these particulars only. All provisions of the original drawings and/or specifications shall remain in force, except as specifically modified or changed herein or by other Addenda issued by the Architect. This Addendum is hereby made part of the Contract Documents.

A Non-Mandatory Pre-Bid Conference was held May 30 at 10:00 a.m. at the GCSC Facilities Maintenance Office as advertised. This Addendum incorporates responses to questions received to date. Attached is the attendance Sign-In Sheet.

### PROJECT MANUAL/SPECIFICATIONS (PM):

- Item No. PM1: **REVISE** Table of Contents (TOC) to coordinate with Added and Deleted Sections (refer to attached updated Table of Contents):
- a. **DELETE** Section 102810, Electric Hand Dryers in TOC and Delete in body of Project Manual/Specifications (no longer required).
  - b. **ADD** new Section 133417, Press Box to the TOC and in the body of the Project Manual/Specifications (refer to attached Section 133417).
- Item No. PM2: **REVISE** Specification Section 001000, Instructions to Bidders; Item 1.22, Scheduling and Completion; **CHANGE** Paragraph C, Liquidated Damages line 9 to read as follows:
- “Substantial Completion Liquidated Damages Per Day: \$1,500.00”  
And **CHANGE** line 29 to read:  
“Final Completion Liquidated Damages Per Day: \$1,500.00”
- Item No. PM3: Refer to Section 001000, Instructions to Bidders Item 1.21, Post Bid Information Paragraph and **ADD** the following new paragraph:
- “Provide the necessary information for the Owner to direct purchase the Pre-Engineered Metal Building (Section 133419) and the Structural Core Insulated Metal Building Panels (Section 074213). The Owner will order these systems within seven days of receipt of the information to save procurement time.”
- Item No. PM4: Refer to Section 001000, Instructions to Bidders; Exhibits “J, Labor and Material Payment Bond” and “K, Performance Bond”. **CLARIFY** that these Exhibits/Bonds are not required with the Bid Proposal but shall be provided with the executed Contract.
- Item No. PM5: Refer to Section 008000, Supplementary General Conditions, Article 8, Time; Paragraph 8.2.4, Progress and Completion and **CHANGE** the liquidated damages amounts for both Substantial Completion and Final Completion from \$3,000.00 to read “\$1,500.00”.
- Item No. PM6: Refer to Section 011000, Summary; Paragraph 1.06, Owner Furnished Products; and **ADD** the following:
- “2. Owner will furnish the following Toilet Room Accessories for the Contractor to install where shown on the drawings:  
Paper towel dispensers and disposal units,  
Toilet paper dispenser units,  
Sanitary napkin disposal units,  
Soap dispensers.  
All other accessories shown on the drawings will be provided and installed by the Contractor.”

Item No. PM7: Refer to Section 072713, Self-Adhered Sheet Membrane Air Barrier; Paragraph 2.2.C, Materials; and **ADD** the following approved product:

“2. AIR\_SHIELD™ by W.R. Meadows, Inc.”

### **DRAWINGS:**

#### **LANDSCAPE ARCHITECTURE (LA) Refer to attached updated Drawings:**

Item No. 1L: Refer to attached Drawing Sheet LS1, Landscape Addendum #1: **CHANGE** Plan around Home and Visitor's Patios.

Item No. 2L: Refer to attached Drawing Sheet LS2, Irrigation Addendum #1: **CHANGE** Plan around Home and Visitor's Patios.

#### **ARCHITECTURAL (A) Refer to attached updated Drawings:**

Item No. 1A: Refer to Cover Sheet A0.00: **ADD** Sheet AV-100, P.A System Plan to Index to Drawings and insert the new sheet into the body of the drawings. **ADD** AV Consultant information to Cover Sheet.

Item No. 2A: Refer to Drawing Sheet A1.00, Site Plan - **DELETE** step adjacent to the Home Dugout. **ADD** the 6'x4' gate to the Adjacent to the Home Locker Room.

Item No. 3A: Refer to Drawing Sheet A1.01, Sunscreen Layout - **DELETE** step adjacent to the Home Dugout.

Item No. 4A: Refer to Drawing Sheet A1.04, Home Side Locker Room And Dugout Plan - **CHANGE** General Symbols Legend to reflect a semi recessed paper towel dispenser/disposal (D.D.) **CHANGE** one piece molded countertop length. **DELETE** T.B.'s (Trash Bin) and H.D.'s (Hand Dryers) and **REPLACE** with D.D.'s and notice some new locations.

Item No. 7A: Refer to Drawing Sheet A3.00, Sections And Details - **DELETE** H.D.'s (Hand Dryers). Notes with respect to the Metal Building Manufacturer were modified (DELETE "By Others"). Metal Building to be by Contractor.

Item No. 8A: Refer to Drawing Sheet A7.31, Rest Rooms Interior Elevations - **DELETE** H.D.'s (Hand Dryers) from Elevations and Legends. **ADD** D.D.'s (Paper Towel Dispensers/Disposal units added in Elevations in place of H.D.'s. **ADD** Grab Bar Note. **ADD** Changing Station Note. **ADD** Items furnished by the Owner and installed by Contractor Notes. Pre-molded Sink Note and Illustration adjusted. **ADD** Pre-molded drain and pipe jackets notes at each lavatory.

#### **MECHANICAL (M) Refer to attached updated Drawings:**

Item No. 1M: Refer to Drawing Sheet: M2, HVAC Schedules and Notes: **CHANGE** DX Split System Air to Air Heat Pump Schedule.

Item No. 2M: Refer to Drawing Sheet: M3, HVAC Floor Plan - New Work: **ADD** Sequence of Operations for Locker Room heat pump.

#### **PLUMBING (P) Refer to attached updated Drawings:**

Item No. 1P: Refer to Drawing Sheet P1, Plumbing Legend and Notes:

- a. **ADD/CHANGE** General Plumbing Notes 18 and 22.
- b. **ADD/CHANGE** Plumbing Fixture Schedule: P-4, P-11, & P-12.

Item No. 2P: Refer to Drawing Sheet P2, Plumbing Details: **CHANGE** Electric water heater detail.

Item No. 3P: Refer to Drawing Sheet P4, Plumbing - Locker Room Facility:

- a. **ADD** Plumbing fixtures in Locker Room and Laundry.
- b. **ADD** Pipe sizes.
- c. **CHANGE** Pipe routing to exterior hydrant.

Item No. 4P: Refer to Drawing Sheet P5, Plumbing – Visitor Dugout & Risers: **CHANGE** Waste & Vent Riser Diagram.

**ELECTRICAL (E) Refer to attached updated Drawings:**

Item No. 1E: Refer to Drawing Sheet E1, Electrical Site Plan:

- a. **CHANGE** Key Note Number to circuit LA-4.
- b. **ADD** Key Note Number 22
- c. **CHANGE** relay marks/designators for flag pole light, canopy lighting and parking lot lighting.

Item No. 2E: Refer to Drawing Sheet E2, Electrical Legend:

- a. **CHANGE** Manufacturer and model numbers for occupancy, daylight sensors and lighting controls.
- b. **ADD** Lighting Control Wiring Diagram.

Item No. 3E: Refer to Drawing Sheet E3, Lighting Fixture Schedule:

- a. **DELETE** Crestron Lighting Control Wiring Diagram.
- b. **ADD** WattStopper Lighting Control Wiring Diagram, Lighting Control Program Schedule.
- c. **CHANGE** General Note.

Item No. 4E: Refer to Drawing Sheet E5, Electrical Home Locker Facility:

- a. **CHANGE** Wiring/circuiting for Office, Locker and Laundry areas.
- b. **ADD** WattStopper Lighting Control panels and circuiting.
- c. **CHANGE** General Note.

Item No. 5E: Refer to Drawing Sheet E6, Electrical Home Locker Facility:

- a. **ADD** Empty conduit note for DDC control panel.
- b. **ADD** DDC Conduit note.
- c. **ADD** EWC circuit.
- d. **CHANGE** Key Notes 6 and 12.

**AUDIO / VISUAL (AV) Refer to attached updated Drawings:**

Item No. 1T: **ADD** New Drawing Sheet AV100, A/V Site Plan.

*(continued next page)*

**OTHER QUESTIONS AND RESPONSES:**

- Q1.** Is the Gulf Power underground conduits and Hand Hole also included in the Gulf Power scope of work or is it to be installed empty raceways by Electrical?
- Q2.** Is Gulf Power providing the meter socket for the main or is the meter socket and wiring from meter to main panel included by Electrical?
- Q3.** If Gulf Power is providing conduits do they need a stub out and if so what size do they require?

**Response(s) Q1-Q3:**

"Gulf Power will provide all underground feeds from the pole to the meter socket. Contractor does not need to include hand hole HH-1 indicated on the drawing E1 in his bid. Contractor shall provide the meter socket and schedule 80PVC to below grade where Gulf Power will tie in. Contractor shall provide conductor and conduit from the meter socket to the main panel. Contractor shall coordinate actual location of the meter socket on site with Gulf Power PRIOR TO ROUGH-IN. Contractor shall affirm with Gulf Power Company the arrangement and connection to the electrical utility service, as well as metering equipment, is in accordance with the requirements of Gulf Power Company."

End of Addendum No. 1



SIGN-IN SHEET for ITB#6- 2016/2017 GCSC SOFTBALL COMPLEX PROJECT

May 30, 2017 10:00 a.m.

Bid Schedule: Sealed bids will be due June 8, 2017, no later than 2:00 p.m. (See Project Manual/Specifications)

Identity #	Company/Contractor Name	Representative's Name (Printed)	Representative's Signature	Phone Number	Email Address
1	Roberts + Roberts Inc.	Brian Bandette		850-276-7513	brian@rarin.com
2	GAAC Contractors	Sam Bass		850-758-1999	jpallman@gaccontractors.com
3	GAAC Contractors	Zach Deaton		850-832-0611	zdeaton@gaccontractors.com
4	Universal Electric	Byron Davenport		850-519-6092	byron@davenport.com
5	Gulf Coast Utility Contractors	Tavis Hollingsha		850-265-9144	tavis.hollingsha@gcuc.net
6	Royal American	Lane Fowler		850-596-0591	lane.fowler@royalamerican.com
7	Reliant South	Brian Rastley		850-481-6207	Rastley@ReliantSouth.com
8	Royal American	Steve Summerville		850-596-0601	steve.summerville@royalamerican.com
9	<del>Royal American</del>				
10	Dewberry	Jonathan Sklarski		850-819-7094	jsklarski@dewberry.com
11	McInnis Builders	Burt Howle		850-866-2876	burt@mcinnisbuilders.com
12	McInnis Builders	Bob Blake		850-537-5939	bob@mcinnisbuilders.com
13	FLORIAN BUILDERS	JOE SORCI		850-257-5700	jsorci@floriantbuilders.com
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## **SECTION 000200 - TABLE OF CONTENTS**

### **DIVISION 00 – CONDITIONS**

000200	Table of Contents
001000	Instructions to Bidders & Exhibits “C – K”
003100	Bid Proposal Form
004400	Bid Bond
007000	General Conditions of the Contract (AIA Document A201)
008000	Supplementary General Conditions
008200	Special Conditions
009000	Public Entity Crimes
009100	Trench Safety Affidavit

### **DIVISION 01 - GENERAL REQUIREMENTS**

011000	Summary
012500	Substitution Procedures
012600	Contract Modification Procedures
013100	Project Management and Coordination
013200	Construction Progress Documentation
013233	Photographic Documentation
013300	Submittal Procedures
013320	Routing Transmittal
014000	Quality Requirements
014200	References
015000	Temporary Facilities and Controls
015010	Project Sign
016000	Product Requirements
017300	Execution
017700	Closeout Procedures
017823	Operation and Maintenance Data
017839	Project Record Documents

### **DIVISION 02 – EXISTING CONDITIONS**

Appendix A	Subsurface Investigation
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### **DIVISION 03 – CONCRETE**

033000	Cast-In-place Concrete
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### **DIVISION 04 – MASONRY**

042000	Unit Masonry
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### **DIVISION 05 – METALS**

051200	Structural Steel Framing
054000	Cold Formed Metal Framing
055000	Metal Fabrications

### **DIVISION 06 – WOOD, PLASTIC AND COMPOSITES**

061000	Rough Carpentry
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### **DIVISION 07- THERMAL AND MOISTURE PROTECTION**

072713	Self Adhered Sheet Membrane Air Barriers
074213	Structural Core Insulated Metal Building Panel
076100	Sheet Metal Roofing
077200	Roof Accessories
079200	Joint Sealants

DIVISION 08 – OPENINGS

081113	Hollow Metal Doors & Frames
081416	Flush Wood Doors
084117	Interior Aluminum Framed Entrances & Storefronts
087100	Finish Hardware
088000	Glazing
089000	Louvers & Vents

DIVISION 09 – FINISHES

092216	Non-Structural Metal Framing
092400	Portland Cement Plastering
092900	Gypsum Board
093000	Tiling
095113	Acoustic Panel Ceilings
096513	Resilient Base and Accessories
096723	Seamless Resinous Flooring
099113	Exterior Painting
099123	Interior Painting
099600	High Performance Coatings

DIVISION 10 – SPECIALTIES

101246	Monument Signage
101400	Plaque Signage
101423	Panel Signage
102113	Toilet Compartments
102800	Toilet And Bath Accessories
<del>102810</del>	<del>Electric Hand Dryers (DELETED)</del>
104413	Fire Extinguisher Cabinets
104416	Fire Extinguishers
107500	Flagpoles
105126	Plastic Lockers

DIVISION 11 – EQUIPMENT

116843	Scoreboard
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DIVISION 13 – SPECIAL CONSTRUCTION

133123	Tensioned Fabric Structures
133416	Grandstands
133417	Press Box (ADDED)
133419	Metal Building Structures

DIVISION 22 – PLUMBING

220050	Plumbing
220060	Plumbing Fixtures and Trim

DIVISION 23 – HEATING, VENTILATING AND AIR CONDITIONING

230050	Mechanical General Requirements
230080	Insulation of Mechanical Systems
230120	Split System Heat Pump Units
230530	100% Outside Air Units
230600	VRV Units
230750	Exhaust Fans
230850	Ductwork & Ductwork Accessories
230950	Testing, Adjusting & Balancing

DIVISION 26 – ELECTRICAL

260000 Electrical General Provisions  
262000 Low Voltage Switchboard  
264020 Interior Wiring Systems  
265100 Interior Lighting

DIVISION 30 – SITE WORK

301110 Environmental Protection  
301116 Water Distribution System  
302110 Site Clearing  
302830 Chain Link Fencing & Gates  
303310 Site Work Concrete Work

DIVISION 31 – EARTHWORK

312200 Earthwork  
312222 Trenching, Backfilling, and Compacting  
313116 Termite Control

DIVISION 32 - EXTERIOR IMPROVEMENTS

322500 Paving Quality Control System  
322505 Paving Construction Details & Materials  
322510 General Construction Requirements for Asphalt Pavement  
322512 Stabilizing  
322516 Limerock Base Course  
322520 Asphalt Testing

DIVISION 33 – UTILITIES

335010 Basic Mechanical Requirements  
335051 Mechanical Related Work  
335080 PVC Gravity Sewer  
335101 Valves and Accessories

Appendix A Geotechnical Engineering Report

END OF SECTION 000200

## SECTION 133417 – PRESS BOX

### PART 1 - GENERAL

#### 1.01 APPLICABLE CODES AND STANDARDS

- A. Florida Building Code – 2014 latest edition adopted in building area.  
Building Code Requirements for Grandstand Structures and Press Box.

#### 1.02 RELATED DOCUMENTS

- A. Drawings and general provisions of Contract, including General and Supplementary Conditions, Special Conditions and Division One sections, apply to work to this section.
- B. Refer to Section 051200, Structural Steel Framing for steel framing members.
- C. Refer to Section 074213, Steel Clad Insulated Building Panels for roof deck and wall panels.
- D. Refer to Section 076100, Sheet Metal Roofing for roof membrane.
- E. Refer to Section 133416, Grandstands for bleacher type seating.
- F. Refer to Section 072713, Self-Adhering Membrane Air Barrier for roof membrane underlayment.

#### 1.03 PERFORMANCE CRITERIA & SCOPE OF WORK

- A. Provide an outdoor permanent Press Box: Pre-engineered, pre-fabricated and installed for the complex as shown on drawings and detailed in these performance specifications. The purpose of the Press Box is to provide a space(s) for reporters and announcers to work during the athletic events. Drawing intent is for the Grandstand manufacturer to also provide the Press Box for one integrated structure.
- B. The minimum acceptable standards of design are:
  - 1. Press Box is elevated and located per Architect's plans. Overall length and width per Architect's drawings.
  - 2. Press Box integration with the grandstand per Architect's drawings.
  - 3. Architect's drawings denote specific project requirements. This specification cover all other performance requirements.
  - 4. Finishes to be: "hot dipped" galvanized on the steel understructure; High Performance Dur-Kyn paint on the aluminum aisle nosing strips at aisles and stairs color black; Dur-Kyn High Performance painted finish on aluminum stair risers color Charcoal Gray. Perimeter Rail risers to be hot dipped galvanized, rails to be clear anodized. Along the back and sides of the stand the railing system will be Aluminum vertical picket rails – color black.
  - 5. Proper modular labels as may be required.

#### 1.04 RELATED WORK/ RELATED SECTIONS

- A. In accordance with plans and specifications:
  - 1. Bleacher Seating by Grandstand Manufacturer.
  - 2. Concrete Foundations designed by grandstand & press box manufacturer and install by G.C.

3. Site improvements and restoration by G.C.

#### 1.05 QUALITY ASSURANCE

##### A. Manufacturers Qualifications:

1. Manufacturers must have a minimum of (10) ten years of experience in the manufacturing of grandstands and press boxes under current company name.
2. Manufacturer must provide five references (upon request) of similar projects within the State of Florida. References shall include scope of work, contract amount, owner's name and phone numbers, contract completion date and actual completion date.
3. Manufacturer shall have local representation or project superintendent within a one-hundred-fifty-mile radius of the project. Representative is responsible to attend job site meetings, provide sequencing and scheduling information and make decisions on behalf of the manufacturer. Due to the coordination and timeframe of each project, it is imperative that this representative can immediately respond, in person, to evaluate questions, concerns and actions, resolve issues that immediately impact the fabrication and installation of the product or other contractors' abilities to proceed with their work. Resume of representatives needs to be submitted for review and approval.
4. If approved bidder is a dealer or representative of the manufacturer in addition to the manufacturer the dealer must provide the same information required in this section.
5. Welders must be AWS certified; manufacturing capabilities in accordance with the governmental agencies having jurisdiction.
6. Manufacturers must be a participant in the AISC Certification program and have proof of certification at time of bid.
7. Engineer qualifications: The press box shop drawings shall be signed and sealed by a Florida registered professional engineer.

##### B. Installers Qualifications:

1. Factory-trained and experienced in the installation of grandstands and press boxes.

##### C. Source Quality Control: Mill Test Certification.

##### D. Single Source Responsibility: Obtain all of each distinct material required from a single manufacturer.

##### E. Code Compliance: Provide press box to meet or exceed all State applicable codes and in compliance with the FBC, IBC/ICC National Code and along with other relevant State Codes and Regulations.

#### 1.06 SUBMITTALS

##### A. Product Data: Submit technical data for each distinct type of material, component and accessory indicated.

1. Include information which specifically details physical properties and performance characteristics.

##### B. Shop Drawings: Manufacturer to submit shop drawings and structural design calculations signed and sealed by a Florida licensed professional engineer, and schedules for type, location, quantity and details of all components required for this project. Indicate on shop drawings that products are in compliance with the FBC, IBC/ICC National Building Code and all other State Regulations.

##### C. Concrete designed per American Concrete Institute Guidelines.

- D. Samples: Submit manufacturer's samples for the following components as requested with the submission –
- 1) Roofing
  - 2) Glazing
  - 3) Ceiling
  - 4) Flooring
- E. Certificate: Submit manufacturer's certification that materials furnished comply with requirements indicated on the Architect's drawings, specified herein, and in compliance with the FBC, IBC/ICC code and all other applicable Federal and State codes/requirements, and that materials meet or exceed test requirements indicated.

#### 1.07 WARRANTY

- A. Submit a written warranty signed by the manufacturer, installer, and the contractor, guaranteeing to correct failures for a period of Two (2) years after substantial completion, without reducing or otherwise limiting any other rights to correction which owner may have under the contract documents. Failures are defined to include faulty workmanship or faulty materials. Correction may include repair or replacement.

#### 1.6 BUILDING CODES

- A. Comply with all applicable which includes but not limited to the following:
1. Florida Building Code, IBC/ICC Building Codes- Current Edition
  2. AISC Manual of Steel Construction, 9th Edition
  3. Aluminum Association of America Guidelines
  4. American Concrete Institute
- B. The bleacher shall be designed to support, in addition to its own weight: a uniformly distributed live load of not less than 100 pounds per square foot of gross floor area; 50 pounds per square foot of live load on roof. The wind load will need to account for the enclosed structure created by the press box.
- C. Design Classification: Use Group B, Construction Type II-B Steel Framed, Non-Combustible.
- D. General: The structure shall be properly braced for wind and construction loads until all structural elements are secured. Lateral and longitudinal bays shall be cross-braced as required. Guardrails shall be of adequate size, location, and height to meet specified codes and designed to carry required loads. Exit stairs and intermediate aisle stairs shall be completely closed, in the direction of travel and shall have a maximum rise of 7" and a minimum tread of 11" as shown on the Architect's drawings.
- E. Design Compliance: Submittals shall be based upon specifications and drawings contained in the bid documents. Architect will not review any design or product changes prior to the bid date. Design changes to reduce overall: size and quality; aisle egress calculations; number and types of windows; or number of stairs and exits will not be allowed.

#### 1.7 MAINTENANCE

- A. Manufacturer's Recommendations:  
Owner conduct annual visual inspection and required maintenance of grandstand and press box to assure safe conditions. It is also recommended that a professional engineer, registered architect or certified grandstand representative performs inspections biennially.



## PART - 2

### 2.01 PRODUCT MANUFACTURERS

- A. The Design intent is based on product provided by: Southern Bleacher Company (800) 433-0912; Graham TX. Dant Clayton Corporation, Louisville, KY is an approved equal provided compliance with drawings and specifications.
- B. Products specified herein have been selected because of their quality of construction, configuration, design, function, available finishes, components, accessories, dimensions, shape and style.
- C. **Bidder and/or Contractor will be held financially responsible for adhering to the products specified herein and as detailed on the drawings.**
- F. Only the Architect reserves the right to accept or approve Grandstand and Press Box manufacturers. Refer also to Section 008200, Special Conditions, Article 15, Substitution of Materials and Equipment for additional substitution information and requirements.

### 2.02 PERMANENT STEEL PRESS BOX

- A. Product Description – Exterior Interlock Decking System:
  - 1. The intent of the exterior deck, stairs, railings and other related components and finish product design is to match the grandstand specification in Section 133416.
- B. Substructure and Floor Construction:
  - 1. Substructures:
    - a. Structural shapes meet one of the following ASTM specifications: A36, A36/A572 grade 50, A572 grade 50, A529-50, or A500 grade B.
    - b. Shop connections are seal welds.
    - c. After fabrication, all steel is hot-dipped galvanized to ASTM-A-123 specifications. Painted and/or powder coated steel does not offer proper protection and is not an acceptable protective finish for this project.
    - d. All hardware shall be hot-dipped galvanized to ASTM A-123, mechanically galvanized or aluminum (aluminum applies to pop rivets, drive rivets, wire ties).
    - e. A minimum of 3/8" galvanized connection hardware to be used on the substructure.
  - 2. Floor Construction:
    - a. Bottom Board: .029 GA. one-piece galvanized steel underbelly.
    - b. Joists: (Welded Framing): 60 CSJ16, 6" X 16ga. Galvanized steel joists, on 16" centers, longitudinal framing.
    - c. Insulation: 6" R-19 fiberglass batt insulation w/ vapor barrier.
    - d. Steel Pan: 26GA. 1.0E steel deck (4 screws/33" Length S-12 Tek).
    - e. Decking: 1/4" Fibered cement board, class A F.S.R.
    - f. Covering: Per Architect's Drawings, Finish Schedule and related Specifications.
- C. Walls:
  - 1. Wall Construction – 3" Steel Clad Insulated Metal Building Panels (Section 074213) or the following:

- a. Studs: (Welded Framing): 6" X 18 GA. Galvanized steel studs, on 16" centers.
- b. Headers: Galvanized steel joists as span requires.
- c. Ceiling Height: 8'-2" x 8'-0", front to back.
- d. Interior Covering: 5/8" Type-X painted gypsum panels, Class A, F.S.R.
- e. Insulation: 8" R-24 fiberglass batt insulation w/ vapor barrier.
- f. Sheathing: 5/8" Type-X Fire-Rated, exterior grade gypsum, class A F.S.R. with wrap air infiltration barrier.
- g. Siding: Metal Sales "R-Panel" .024 GA. Ribbed steel panels w/ Kynar 500 finish - FL#9482.4-R4.

G. Roof:

1. Roof Construction – 4" Steel Clad Insulated Metal Building Panels (Section 074213) or the following:
  - a. Joists: (Welded Framing): 10" X 16ga. Welded galvanized steel joists, 16" O.C. spacing.
  - b. Overhang: per Architect's drawings: .019 Metal fascia Mastic Aluminum soffit panels, full perimeter of press box.
  - c. Ceiling: per Architect's drawings, Finish Schedule and related Specifications.
  - d. Decking & Insulation: 1/2" Fibered cement board, class A F.S.R.
  - e. Insulation: 8" R-24 fiberglass batt insulation w/ vapor barrier.
  - f. Membrane: Sheet Metal Roofing per Section 076100 over Membrane Air Barrier Section 072713.

H. Windows and Doors:

1. Windows: Per Architect's drawings and related Specifications.
2. Exterior Doors: 36"x80" Ceco "Versa" Polyurethane core 16GA. Galvanized hollow metal door w/ steel framed, weather-strip, aluminum ADA threshold, and lever handled locksets. FL#10723-R1.
3. Interior Doors: 1-3/8" Solid-core stained birch with stained birch wood jambs and casing and passage lever handled hardware.

I. Electrical & HVAC:

1. Service Entrance Panel: Square D Q0124M100 with Main Disconnect; rated at 120/240v, single phase, 100-amp capacity.
2. Receptacles:
  - a. Two (2) Pass & Seymour 120V duplex, spec-grade, along the rear wall.
  - b. Wiremold 5400 Series two-piece multi-channel, dual voltage, non-metallic surface raceway along front wall above scorer's counter, outlets on 48" centers.
3. Lighting per Architect's drawings and related Specifications.
4. Circuits: All branch circuit wiring is minimum #12 THHN encased in EMT thin wall conduit.
5. HVAC: (2) Zoneline AZ61H07DAB 2.4 KW Electric wall mount heat pump unit.

J. Scorer's Counter:

1. 18" deep x 1 1/2" Clear Anodized finish aluminum countertop with rounded front nose. Mounted on stainless steel brackets spaced a maximum of 32".

## PART 3 – EXECUTION

### 3.01 INSTALLATION

- A. All work performed by technicians experienced in Press Box installation. Project references may be required to verify the quality of finished projects.

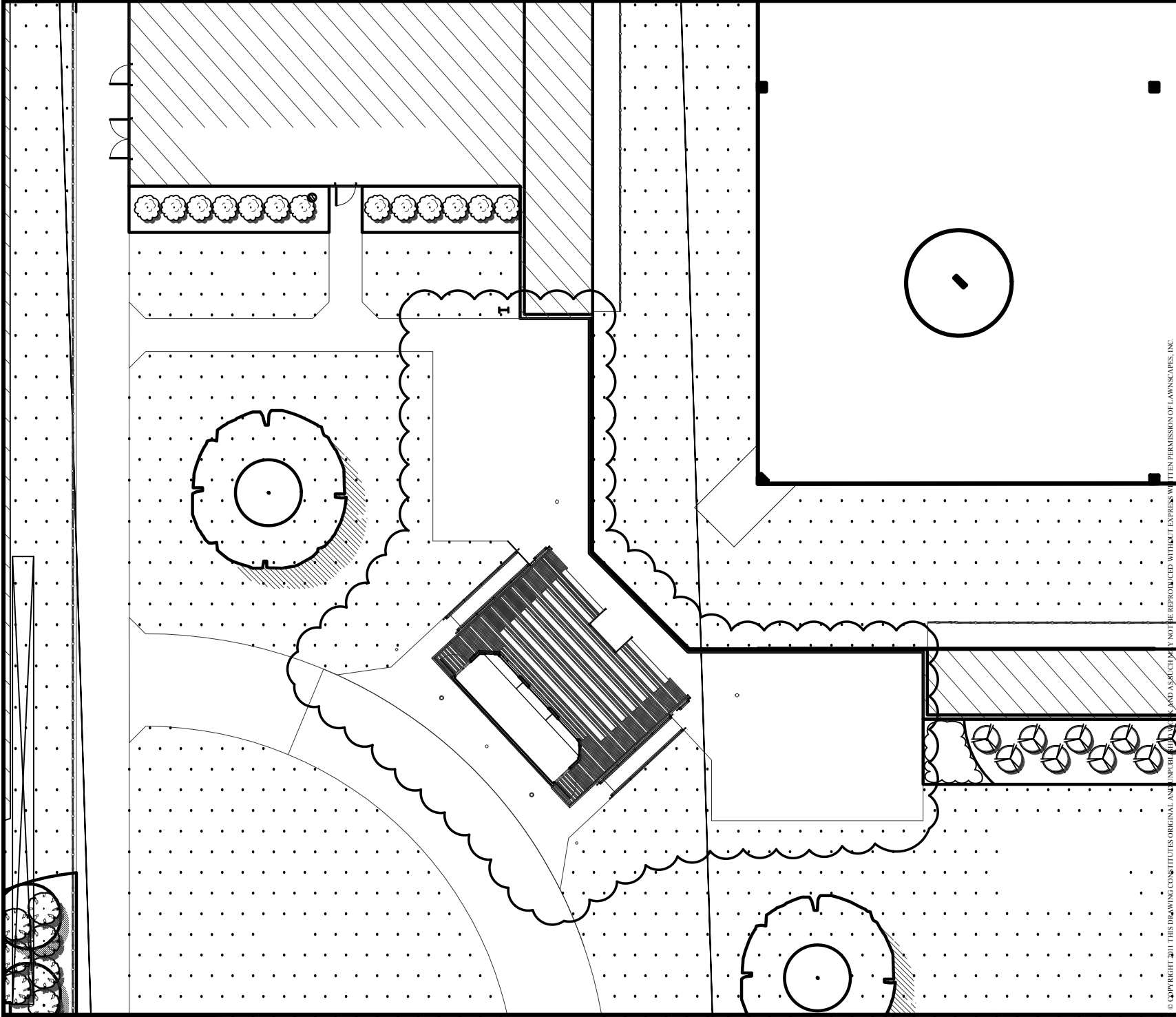
Installation with proven experience in the Florida panhandle region. Requirement for a minimum of (3) installer references in FL for this project of similar size and scope.

- B. Project is only to be installed as per approved shop drawings.
- C. General Contractor is responsible to furnish and complete all foundations (spread footings and grade beams). All site restoration, including rough and final grade, topsoil and lawn re-establishment shall be provided by G.C.
- D. Provide all necessary pads, anchors, flashings, etc. to connect press box with grandstand structure to the concrete foundations as indicated on the drawings.
- E. Coordinate electrical power connection to the press box electrical panel as indicated on the drawings. Connection to electrical power service shall be by the G.C.

### 3.02 CLEAN-UP

- A. Clean up all debris caused by work of this section removed from site.
- B. Upon completion of the work and final inspections, press box manufacturer shall broom clean the facility removing all loose debris.
- C. If broom cleaning does not properly remove dirt and debris from the surface, pressure washing will be required on the exterior.
- D. Clean glass per Glazing Specification.
- E. Clean up of loose debris through-out the project shall occur daily. The materials shall be placed in a GC provided dumpster.

END OF SECTION 133417



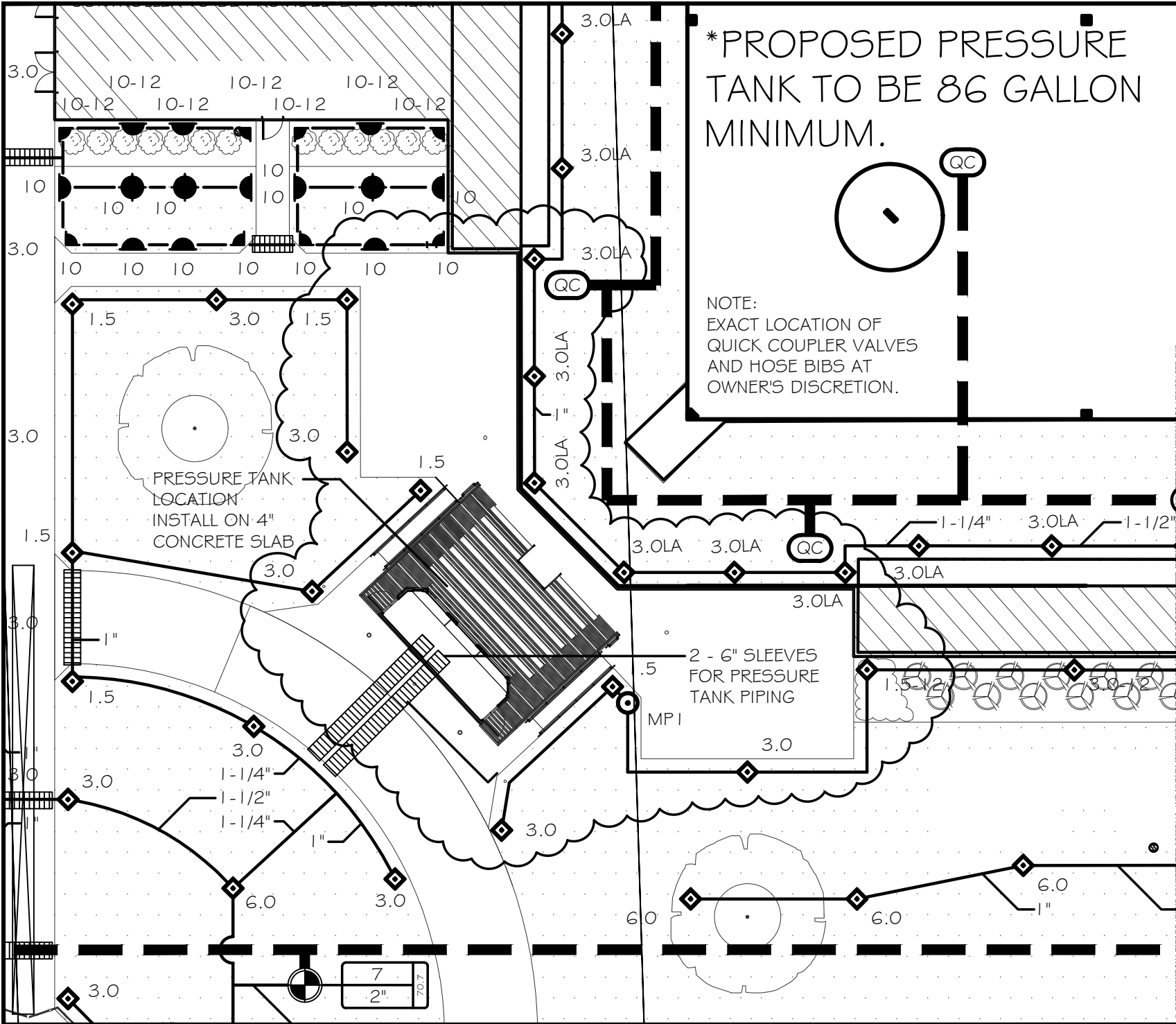
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DESIGN BY: 05/20/17  
 DESIGN DATE:  
 SHEET NUMBER  
**LS1**  
 OF TWO

SCALE:  
 1" = 20'

PROJECT NUMBER:  
 LANDSCAPE ADDENDUM #1  
**GCSC  
 SOFTBALL COMPLEX**  
 5230 US-98  
 PANAMA CITY, FLORIDA

**LAWNSCAPES, INC.**  
 LANDSCAPE ARCHITECTURE • CONSTRUCTION • MANAGEMENT • MAINTENANCE  
 P.O. Box 1726 • Panama City, FL 32404  
**850-763-2975**  
 www.lawnsapes.com



\*PROPOSED PRESSURE TANK TO BE 86 GALLON MINIMUM.

NOTE:  
EXACT LOCATION OF QUICK COUPLER VALVES AND HOSE BIBS AT OWNER'S DISCRETION.

PRESSURE TANK LOCATION  
INSTALL ON 4" CONCRETE SLAB

2 - 6" SLEEVES FOR PRESSURE TANK PIPING  
MP1



IRRIGATION ADDENDUM #1

**GCSC  
SOFTBALL COMPLEX**

5230 US-98  
PANAMA CITY, FLORIDA

PROJECT NUMBER:

SCALE:  
1" = 20'

SHEET NUMBER

**LS2**

DESIGN BY:  
DESIGN DATE:  
6/5/07

OF TWO

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# GCSC SOFTBALL COMPLEX

5230 US-98 PANAMA CITY, FLORIDA 32401

## CONSTRUCTION DOCUMENTS

CONSULTANTS:



FLORIDA ARCHITECTS  
LICENSE #AA0002730



CLIENT:  
GULF COAST STATE COLLEGE

5230 US-98  
PANAMA CITY,  
FLORIDA 32401  
850-169-1551  
gulfcoast.edu

PROJECT:  
GCSC SOFTBALL  
COMPLEX

ITB # 6 - 2016/2017



ANDERSON ENGINEERS, P.A.

78 RICKER AVENUE Santa Rosa Beach, Florida  
Certificate of Authorization: # 25932

PHONE: (850) 231-4540 FAX: (850) 231-7980



Premier Engineering Group, LLC  
410 W. NINE MILE ROAD, SUITE A, PENSACOLA, FLORIDA 32534  
PHONE: 850.469.0405 FAX: 850.432.0905



RELEASE:

CONSTRUCTION DOCUMENTS

SCALE: DATE: 05/04/2017

DRAWN: N. PETROV CHECKED: R. DAVIS

NO. REVISION: DATE: 05/31/2017

ADDENDUM No.1

SHEET TITLE:  
COVER SHEET

PROJECT NO. SHEET  
4228 AA.00

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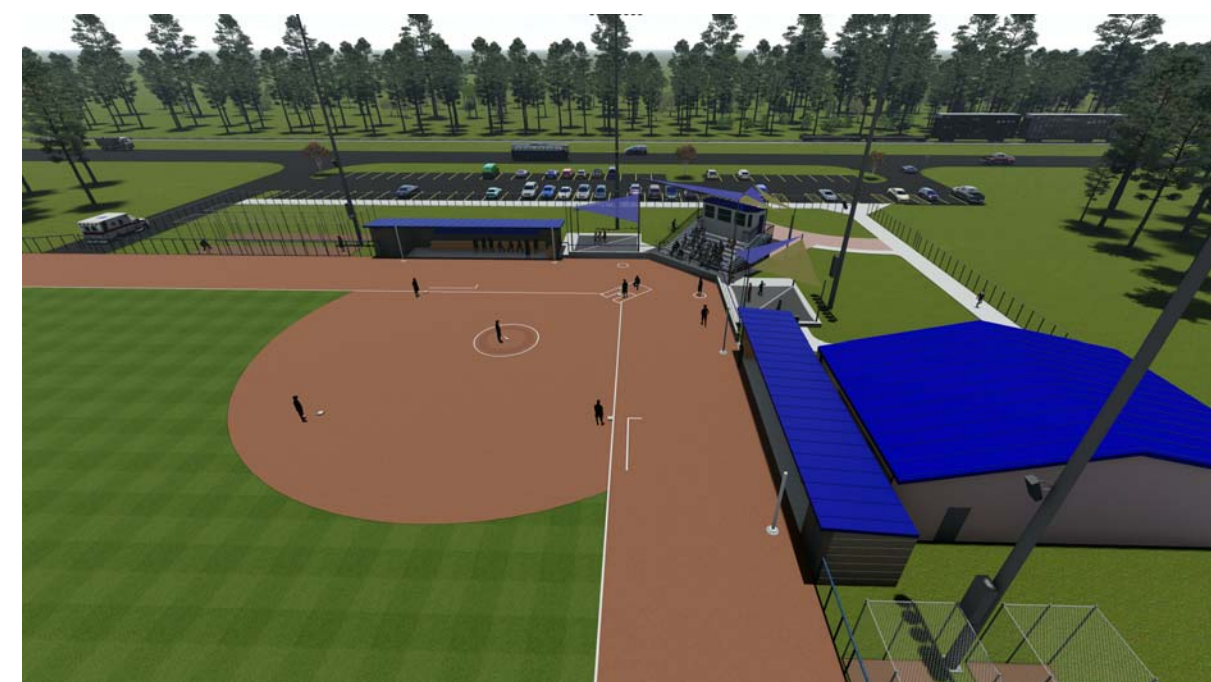
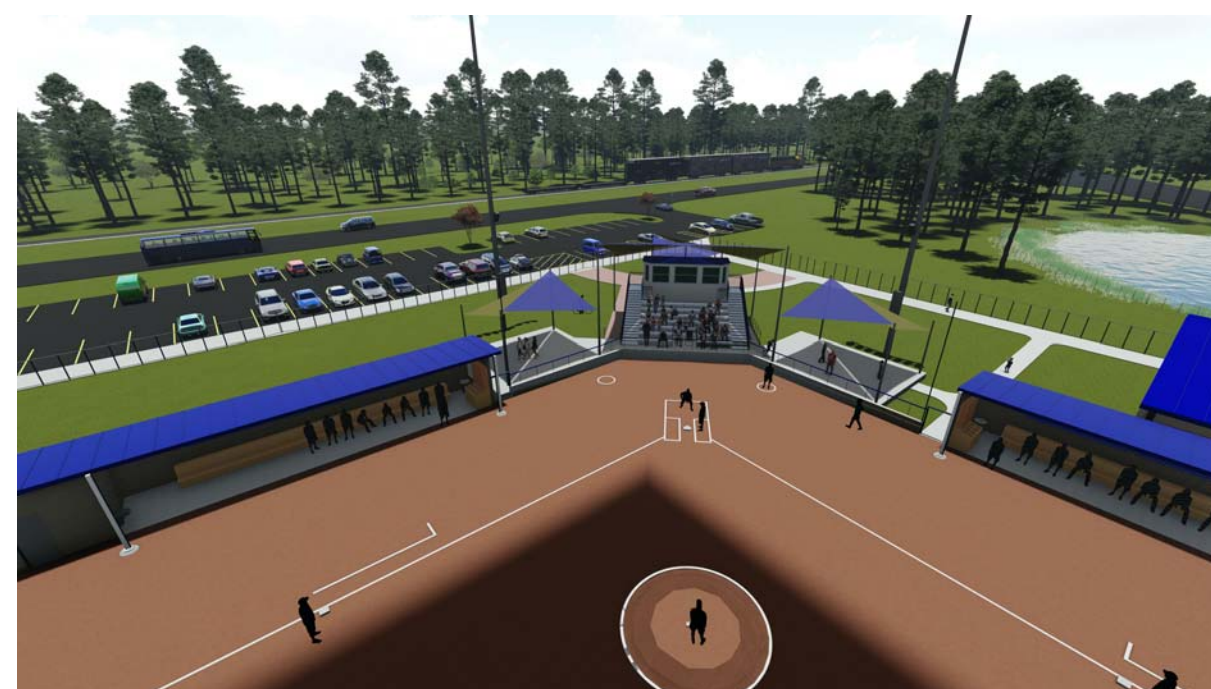
LANDSCAPE ARCHITECT

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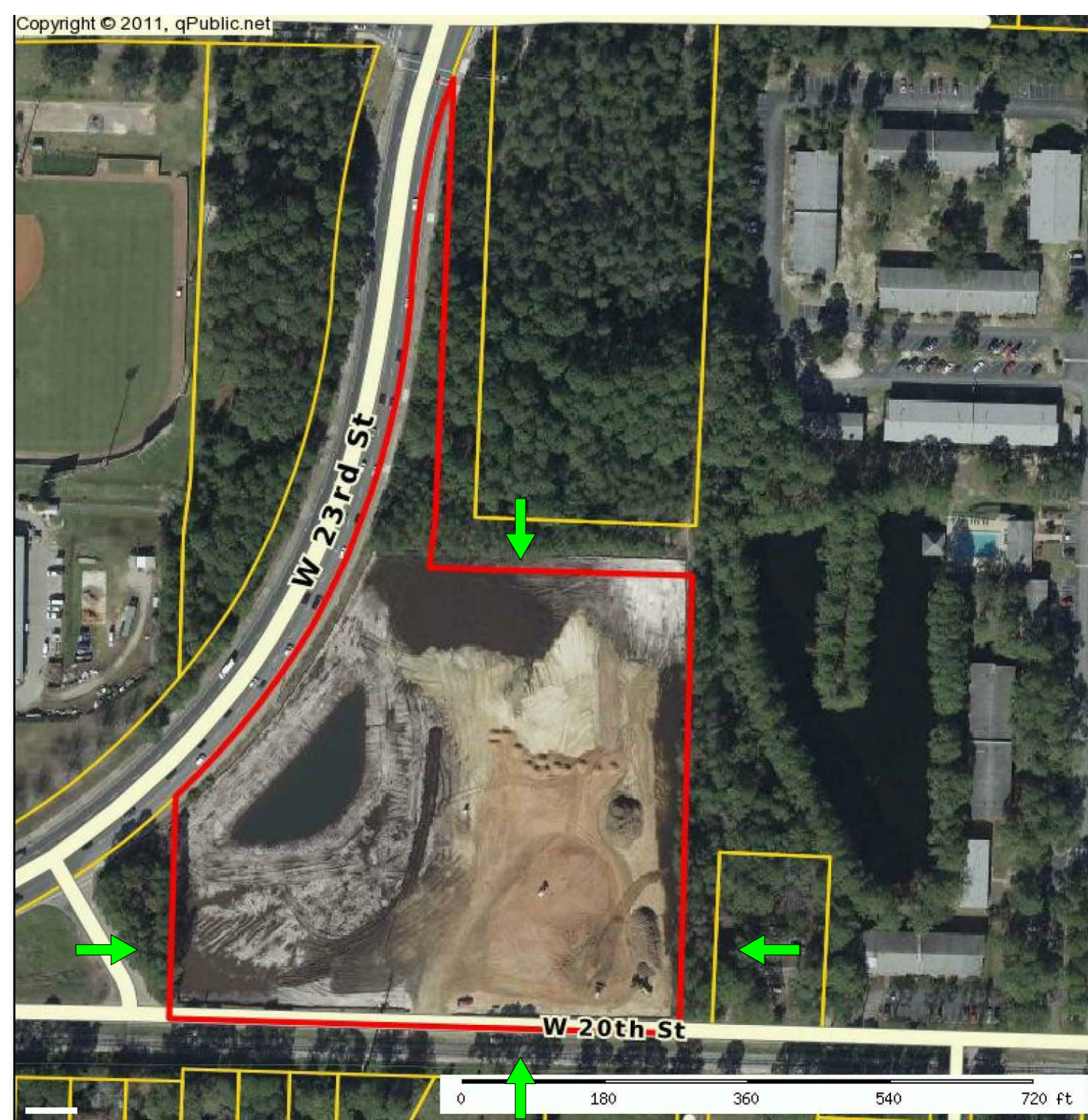
AUDIO/ VISUAL

WATHALL & ASSOCIATES  
2180 CREIGHTON ROAD  
PENSACOLA, FL 32504  
PHONE: 850.478.9002

3D VIEWS



VINICITY MAP



DESIGN CODES

FLORIDA BUILDING CODE (FBC)	2014 ED
FBC - PLUMBING CODE	2014 ED
FBC - ENERGY CONSERVATION CODE	2014 ED
FBC - ACCESSIBILITY CODE	2014 ED
NEC - NATIONAL ELECTRIC CODE	2014 ED
FLORIDA FIRE PREVENTION CODE	2014 ED
LIFE SAFETY CODE (NFPA 101)	2015 ED
AMERICANS WITH DISABILITIES ACT	2014 ED

TO THE BEST OF OUR KNOWLEDGE, THESE CONSTRUCTION DOCUMENTS ARE IN COMPLIANCE WITH CRITERIA SET FORTH IN THE 2014 FLORIDA BUILDING CODE.

CODE REVIEW ANALYSIS

PROJECT SUMMARY

DEVELOPMENT AND CONSTRUCTION OF A NEW SOFTBALL COMPLEX, LOCKER ROOM, DUGOUTS, PRESS BOX, BLEACHERS, MAINTENANCE BUILDINGS, AND OTHER IMPROVEMENTS.

CLASSIFICATION OF WORK

NEW CONSTRUCTION

OCCUPANCY CLASSIFICATION

ASSEMBLY GROUP A-5

INDEX OF DRAWINGS:

CIVIL

SHEET	DRAWING SCHEDULE NAME
C1	GENERAL NOTES
C2	EXISTING CONDITIONS
C3	EROSION CONTROL PLAN
C4	SITE GEOMETRY
C5	GRADING & DRAINAGE PLAN
C6	FIELD GRADING & DETAIL PLAN
C7	FIELD DETAIL PLAN
C8	UTILITY PLAN
D1	SWPPP
D2-D5	DETAILS

LANDSCAPE

SHEET	DRAWING SCHEDULE NAME
L-1	LANDSCAPE PLAN
L-2	IRRIGATION PLAN
L-3	IRRIGATION PLAN

ARCHITECTURAL

SHEET	DRAWING SCHEDULE NAME
AO.00	COVER SHEET / DRAWINGS INDEX / VICINITY MAP / LEGENDS

DRAWING SCHEDULE

SHEET	NAME
A1.00	SITE PLAN
A1.01	SUNSCREEN LAYOUT
A1.02	HOME SIDE LOCKER ROOM FACILITY LIFE SAFETY PLAN
A1.03	HOME AND VISITOR DUGOUT FLOOR PLAN
A1.04	HOME SIDE LOCKER RM. AND DUGOUT PLAN
A1.05	PRESS BOX FLOOR PLAN
A1.06	ROOF PLAN
A1.11	REFLECTED CEILING PLAN
A2.00	HOME SIDE LOCKER ROOM FACILITY ELEVATIONS
A2.01	HOME DUGOUT ELEVATIONS
A2.02	VISITOR DUGOUT ELEVATIONS
A2.03	PRESS BOX ELEVATIONS
A3.00	SECTIONS AND DETAILS
A3.01	SECTIONS AND DETAILS
A4.00	FINISH SCHEDULE
A7.31	RESTROOMS INTERIOR ELEV.
A8.10	WALL TYPES/DETAILS

STRUCTURAL

SHEET	DRAWING SCHEDULE NAME
S-001	STRUCTURAL NOTES
S-101	HOME SIDE FOUNDATION PLAN
S-102	BLEACHER FOUNDATION PLAN
S-103	VISITOR FOUNDATION AND SLAB PLAN
S-104	HOME SIDE SLAB PLAN
S-105	BLEACHER SLAB PLAN
S 106	SCOREBOARD FOUNDATION
S-301	BUILDING SECTIONS
S-302	BUILDING SECTIONS
S-501	DETAILS

MECHANICAL

SHEET	DRAWING SCHEDULE NAME
M 1	HYAC LEGEND AND NOTES
M 2	HYAC SCHEDULES AND NOTES
M 3	IRRIGATION PLAN
M 4	HYAC FLOOR PLAN - NEW WORK
M 5	HYAC DETAILS

PLUMBING

SHEET	DRAWING SCHEDULE NAME
P 1	PLUMBING LEGEND AND NOTES
P 2	PLUMBING DETAILS
P 3	PLUMBING - SITE PLAN
P 4	PLUMBING - LOCKER ROOM FACILITY
P 5	PLUMBING - VISITOR DUGOUT & RISERS

ELECTRICAL

SHEET	DRAWING SCHEDULE NAME
E 1	ELECTRICAL SITE PLAN
E 2	ELECTRICAL LEGEND
E 3	LIGHTING FIXTURE SCHEDULE
E 4	ELECTRICAL PRESS BOX
E 5	ELECTRICAL HOME LOCKER FACILIT
E 6	ELECTRICAL HOME LOCKER FACILITY
E 7	ELECTRICAL VISITOR DUGOUT & STORAGE BUILDING
E 8	ELECTRICAL PANEL SCHEDULES
E 9	ELECTRICAL DETAILS
E 10	ELECTRICAL DETAILS
E 11	ELECTRICAL DETAILS
E 12	ELECTRICAL DETAILS

AUDIO/ VISUAL

SHEET	DRAWING SCHEDULE NAME
AV 100	PA SYSTEM PLAN

ROOM SCHEDULE

NUMBER	NAME	AREA
1-100	VISITOR DUGOUT	550 SF
1-101	VISITOR STORAGE	80 SF
2-100	HOME DUGOUT	569 SF
2-102	HOME STORAGE	71 SF
2-103	VEST.	40 SF
2-104	LOCKER ROOM	504 SF
2-105	VESTIBULE	59 SF
2-106	OFFICE	105 SF
2-107	TLT.	54 SF
2-108	RESTROOM	346 SF
2-109	LAUNDRY	204 SF
2-110	WOMEN RESTROOM	134 SF
2-111	MEN RESTROOM	149 SF
2-112	MEP	193 SF
GRAND TOTAL		3073 SF





RELEASE:  
 100% CONSTRUCTION DOCUMENTS  
 GCSC SOFTBALL COMPLEX

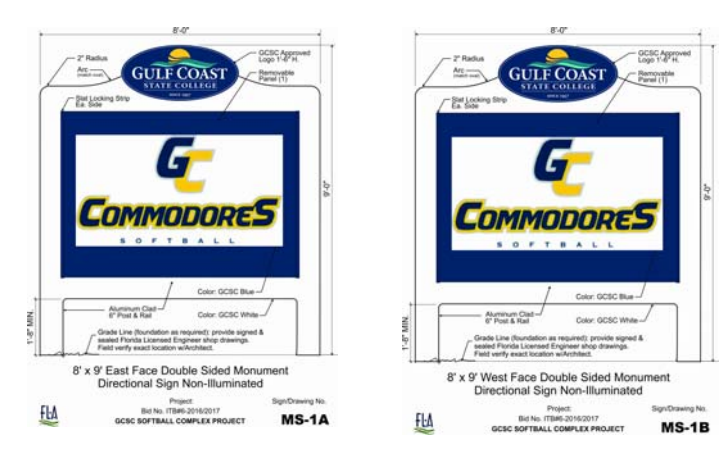
SCALE: As indicated	DATE: 05/04/2017
DRAWN: N. PETROV	CHECKED: R. DAVIS
NO. 1	REVISION: ADDENDUM No.1
	DATE: 05/31/2017

SHEET TITLE:  
 SITE PLAN

PROJECT NO. 4228 SHEET A1.00

**SIGNAGE LEGEND**

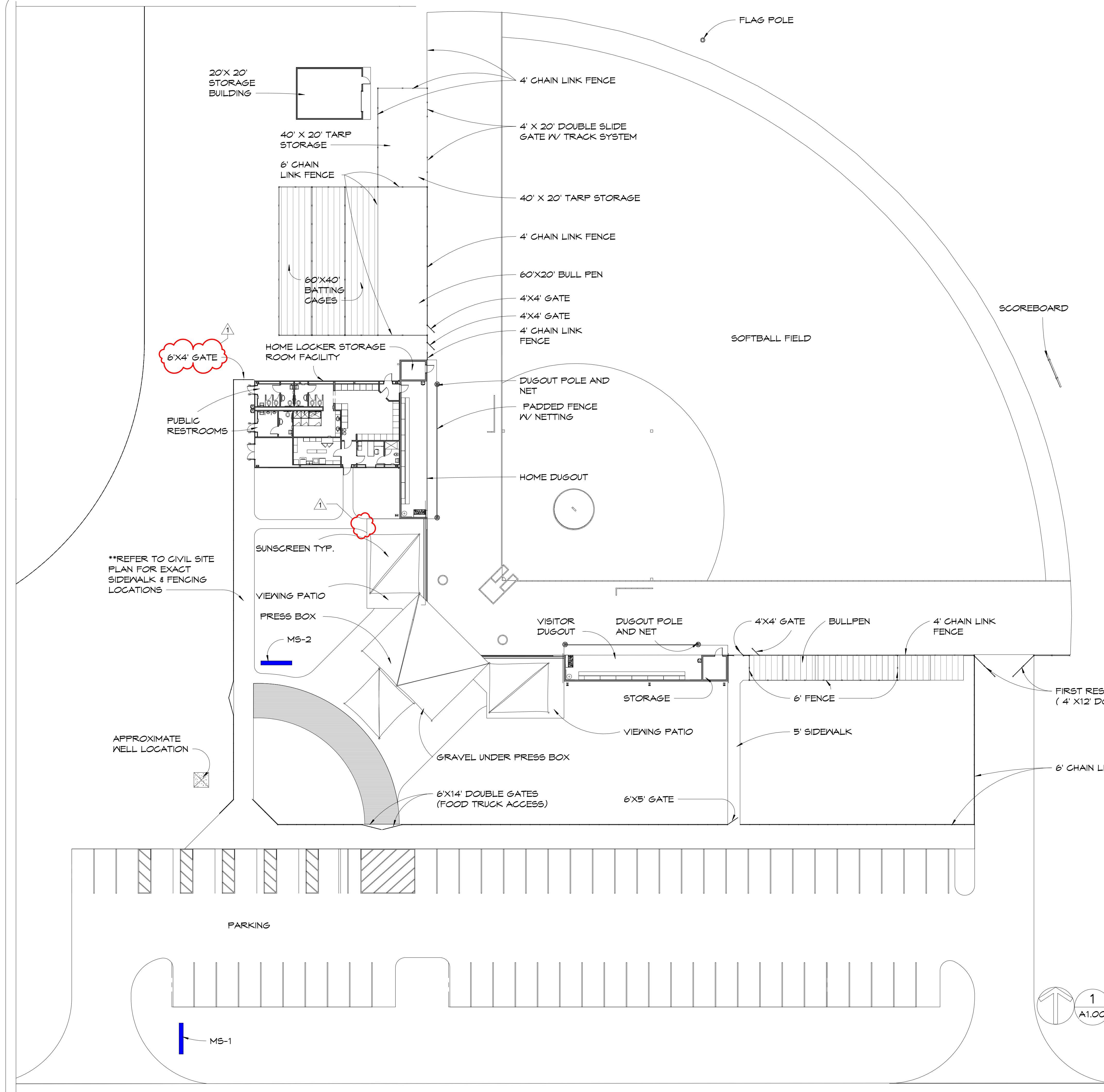
**MS-1A & MS-1B**  
 8' X 9' DOUBLE SIDED MONUMENT DIRECTIONAL SIGN -



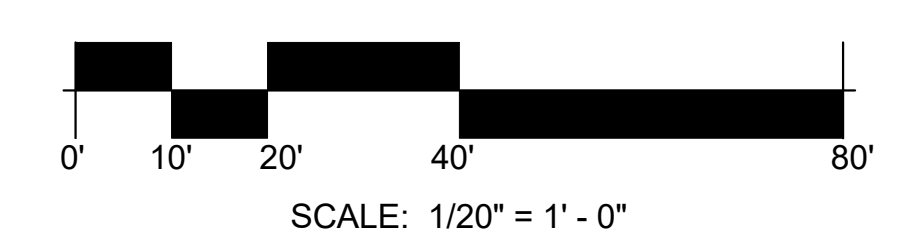
**MS-2A & MS-2B**  
 8' X 6' DOUBLE SIDED MONUMENT DIRECTIONAL SIGN -



ALSO SEE SPEC. SECTION 101426, MONUMENT SIGNAGE



**1 SITE PLAN**  
 A1.00



\*\*REFER TO CIVIL SITE PLAN FOR EXACT SIDEWALK & FENCING LOCATIONS

APPROXIMATE WELL LOCATION

6'X4' GATE

6'X14' DOUBLE GATES (FOOD TRUCK ACCESS)

6'X5' GATE

FIRST RESPONDER ACCESS (4' X12' DOUBLE GATES)

6' CHAIN LINK FENCE

SOFTBALL FIELD

SCOREBOARD

DUGOUT POLE AND NET

PADDLED FENCE W/ NETTING

HOME DUGOUT

VISITOR DUGOUT

DUGOUT POLE AND NET

4'X4' GATE

BULLPEN

4' CHAIN LINK FENCE

STORAGE

5' SIDEWALK

VIEWING PATIO

GRAVEL UNDER PRESS BOX

VIEWING PATIO

PRESS BOX

SUNSCREEN TYP.

PUBLIC RESTROOMS

HOME LOCKER STORAGE ROOM FACILITY

60'X40' BATTING CAGES

4' CHAIN LINK FENCE

40' X 20' TARP STORAGE

4' X 20' DOUBLE SLIDE GATE W/ TRACK SYSTEM

4' CHAIN LINK FENCE

20' X 20' STORAGE BUILDING

40' X 20' TARP STORAGE

6' CHAIN LINK FENCE

FLAG POLE









FLORIDA ARCHITECTS  
LICENSE #AA0002730



CLIENT:

GULF COAST STATE COLLEGE

5230 US-98  
PANAMA CITY,  
FLORIDA 32401  
850.169.1551  
gulfcoast.edu

PROJECT:  
GCSC SOFTBALL COMPLEX

ITB # 6-2016/2017



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GCSC SOFTBALL COMPLEX

SCALE: As indicated  
DATE: 05/04/2017

DRAWN: N. PETROV  
CHECKED: R. DAVIS

NO.	REVISION:	DATE:
1	ADDENDUM No.1	05/31/2017

SHEET TITLE:  
HOME SIDE LOCKER RM. AND DUGOUT PLAN

PROJECT NO. 4228 SHEET A1.04

**GENERAL DIMENSION NOTES:**

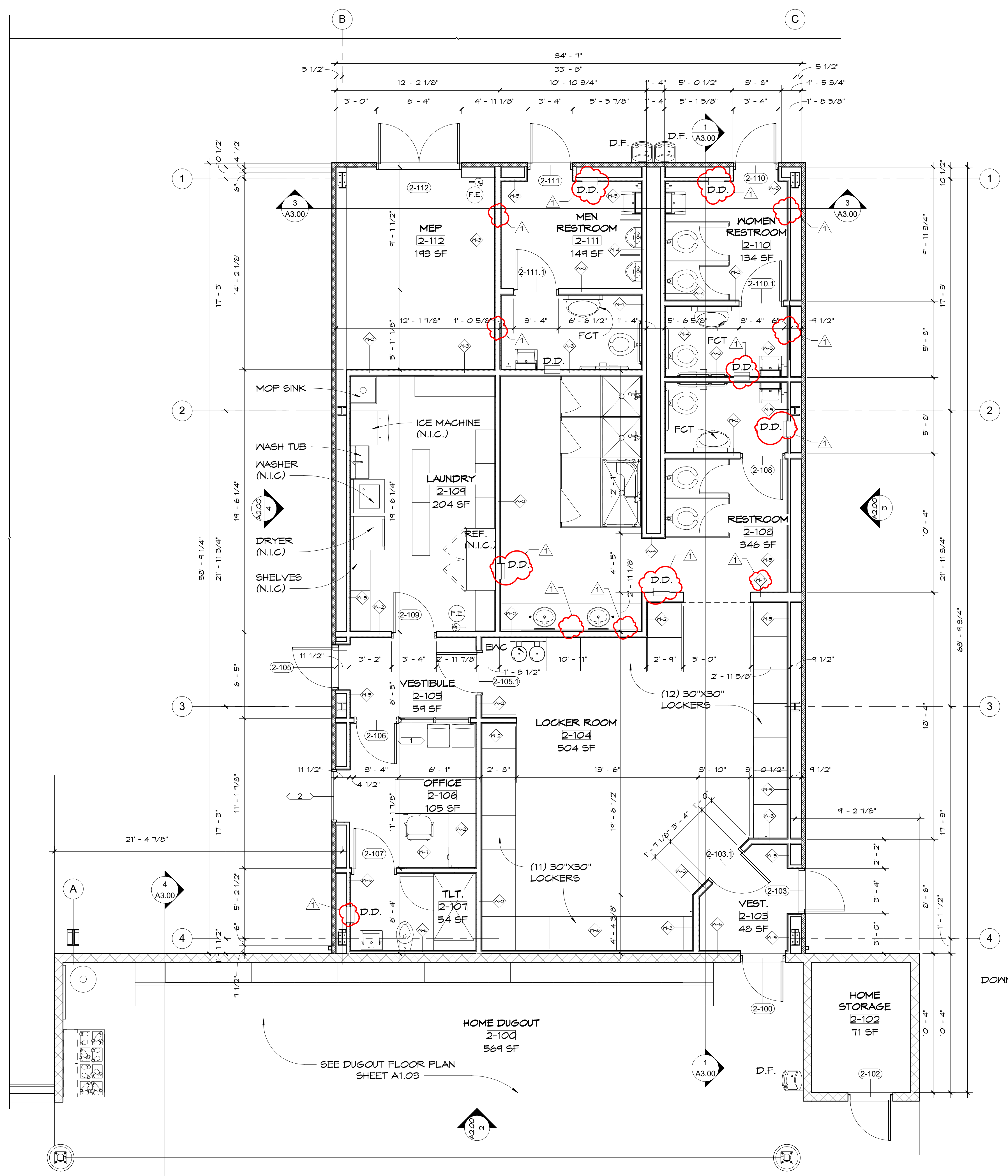
1. VERIFY ALL DIMENSIONS IN FIELD PRIOR TO START OF CONSTRUCTION.
2. VERIFY ALL FIELD CONDITIONS AND DIMENSIONS FOR COORDINATION OF ALL TRADES AND EQUIPMENT FROM VENDORS BEFORE CONSTRUCTION AND INSTALLATION.
3. DIMENSIONS TAKE PRECEDENCE OVER DRAWINGS. DO NOT SCALE DRAWINGS.
4. DIMENSIONS ARE FROM FACE OF METAL STUDS, CENTERLINE OF COLUMNS OR NOMINAL FACE OF CONCRETE MASONRY.
5. INTERIOR STUD WALL DIMENSIONS ARE TAKEN FROM FACE OF METAL STUDS.
6. GENERALLY, DOOR OPENINGS ARE LOCATED BY DIMENSION FROM OUTSIDE OF JAMB TO OUTSIDE OF JAMB (ROUGH OPENING).
7. WINDOW HORIZONTAL DIMENSIONS ARE TAKEN FROM JAMB TO JAMB UNO. REFER TO WINDOW ELEVATION/ SCHEDULE FOR WINDOW ROUGH OPENING DIMENSIONS
8. ALL THRESHOLDS TO BE 1/2" (MAX.) IN HEIGHT.

**MATERIALS SYMBOLS (SECTION & DETAILS)**

	EARTH		PLYWOOD
	GRANULAR FILL		FINISH WOOD
	INSULATING CONCRETE		ROUGH WOOD
	CONCRETE		BLOCKING/SHIM
	BRICK/PAVER		METAL
	MASONRY UNITS		STUCCO, PLASTER, MORTAR OR GROUT
	STONE		GYPSUM BOARD
	BATT INSULATION		VENEER
	RIGID INSULATION		METAL LATH
	CERAMIC TILE		
	GLASS		

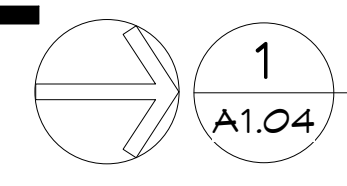
**GENERAL SYMBOLS**

	DETAIL NO. 3 SHEET NO. A5.02		EXISTING POINT ELEVATION
	BUILDING OR WALL SECTION		NEW OR FINISH POINT ELEVATION
	DETAIL NO. 25 SHEET NO. A5.15		EXISTING CONTOUR LINE
	DETAIL REFERENCE		NEW OR FINISH CONTOUR LINE
	DETAIL NO. 6 SHEET NO. A4.11		TB-1 TEST BORING
	BUILDING ELEVATION VIEW A		LEVEL ELEVATION DATUM POINT
	DETAIL NO. 6 SHEET NO. A6.01		REVISION NUMBER
	INTERIOR ELEVATION		COLUMN LINE REFERENCE
	PROPERTY LINE		INDICATES WINDOW TYPE
	CENTER LINE		KEYNOTE
	HIDDEN LINE OR LINE ABOVE		ROOM NAME ROOM NUMBER
	BREAK LINE		PARTITION TYPE
	PLAN NORTH NORTH ARROW		
	TRUE NORTH NORTH ARROW		
	DOOR NUMBER		
	D.F. - DRINKING FOUNTAIN		FCT - FOLDING CHANGING TABLE
	ENC - ELECTRIC WATER COOLER FOUNTAIN		T.B. - RECESSED TRASH BIN
	D.D. - SEMI-RECESSED DISPENSER/DISPOSAL		



HOME SIDE LOCKER RM. AND DUGOUT

1/4" = 1'-0"  
A2.01





CONSULTANTS:



FLORIDA ARCHITECTS  
LICENSE #AAA0002730



CLIENT:

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PROJECT:  
GCSC SOFTBALL  
COMPLEX

ITB # 6- 2016/2017



RELEASE:  
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GCSC SOFTBALL COMPLEX

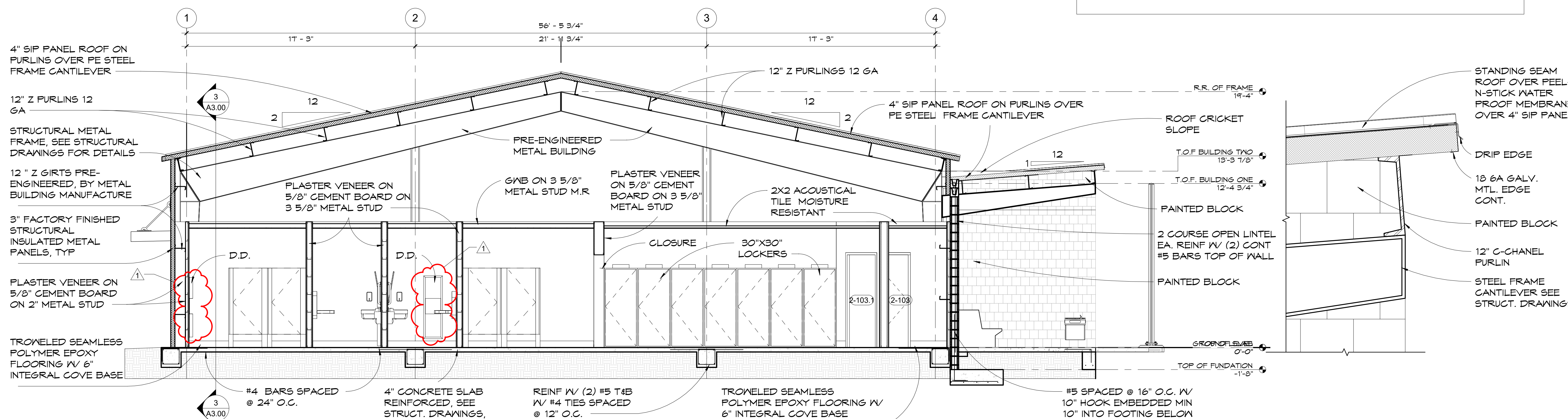
SCALE: As indicated	DATE: 05/04/17
DRAWN: N. PETROV	CHECKED: R. DAVIS
NO. REVISION:	DATE:
ADDENDUM No.1	05/31/2017

SHEET TITLE:  
SECTIONS AND DETAILS

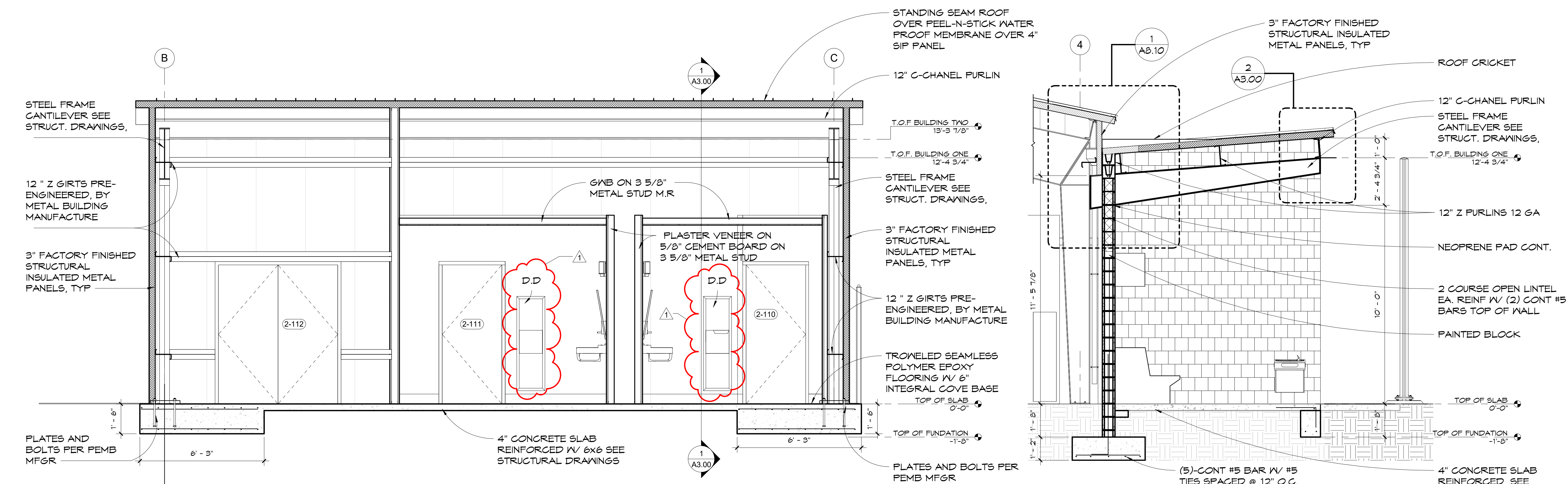
PROJECT NO. 4228 SHEET A3.00

**GENERAL NOTES:**

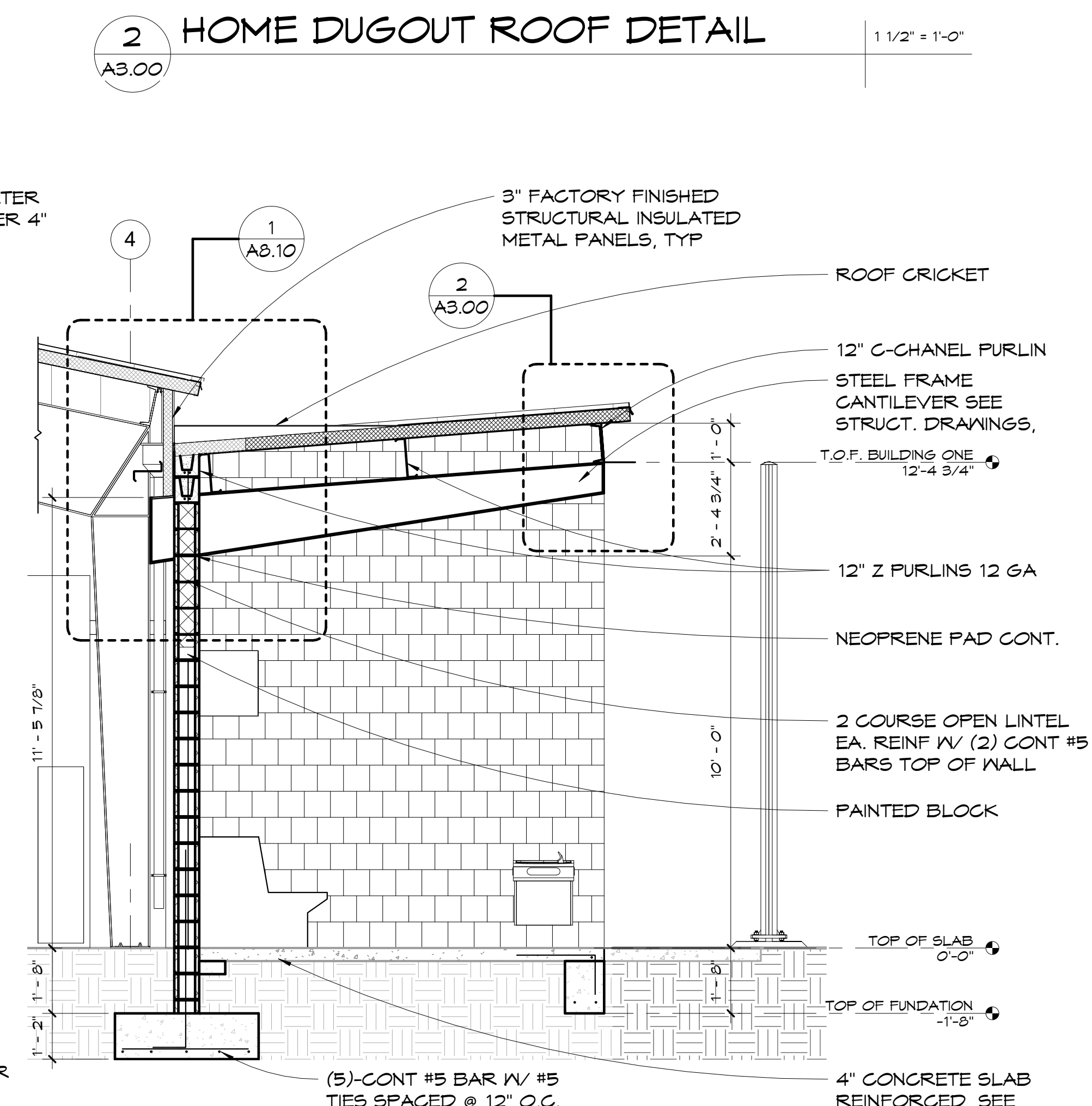
- PRIME OR PAINT ALL FIELD CUT EDGES INSULATED METAL PANELS
- ALL EXPOSED STRUCTURAL STEEL TO RECEIVE HIGH PERFORMANCE COATING - REFER TO SPEC. SECTION 099600
- REFER TO SPEC. SECTION 074213; STEEL CLAD INSULATED BUILDING PANELS (SIP)



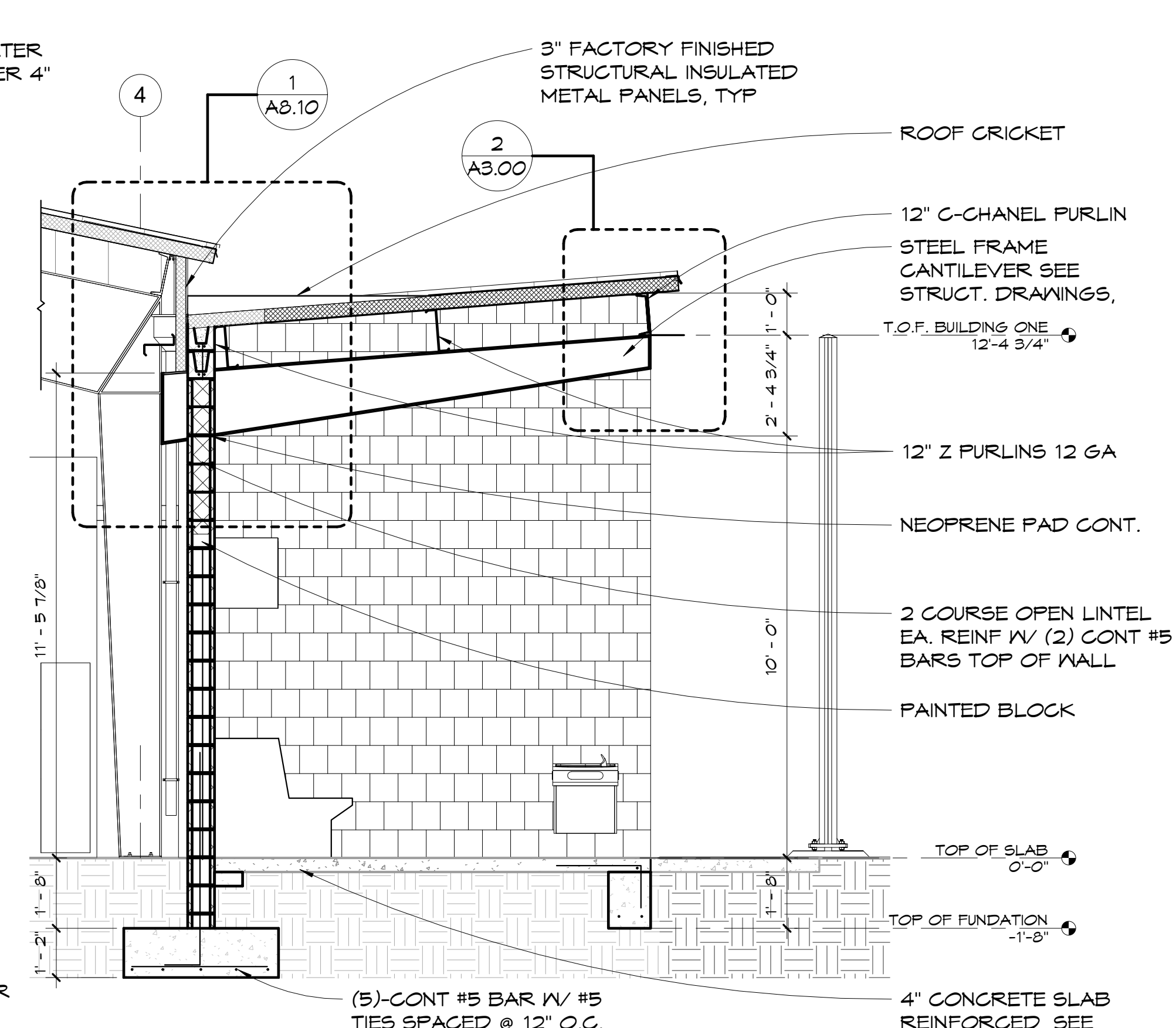
1 PEMB SECTION 1/4" = 1'-0"



3 PEMB SECTION 2 3/8" = 1'-0"



2 HOME DUGOUT ROOF DETAIL 1/2" = 1'-0"



4 HOME DUGOUT SECTION 3/8" = 1'-0"







CONSULTANTS:



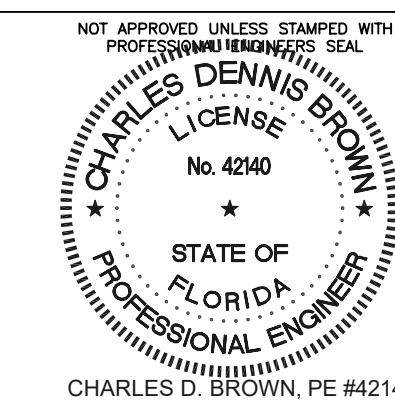
CLIENT:

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 PANAMA CITY,  
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 gulfcoast.edu

PROJECT:

**GCSC SOFTBALL COMPLEX**



RELEASE:

**CONSTRUCTION DOCUMENTS**

SCALE:

As Indicated

DATE:

05/04/2017

DRAWN:

R. J. PICKERING

CHECKED:

C. D. BROWN

NO. REVISION:

1 ADDENDUM No. 1

DATE:

6-1-17

SHEET TITLE:

**HVAC SCHEDULES AND NOTES**

PROJECT NO.

4226

SHEET

M2

**DX SPLIT SYSTEM AIR TO AIR HEAT PUMP UNIT SCHEDULE**

MARK	LOCATION	INDOOR SECTION										OUTDOOR SECTION						AHRI COOLING DATA ③			AHRI HEATING DATA ③		AUXILIARY HEATER DATA			REMARKS				
		TOTAL AIR CFM	OUTSIDE AIR CFM	EXTERNAL STATIC PRESSURE INCHES W.G.	MAXIMUM FAN HORSEPOWER	ELECTRICAL DATA ②			FILTER DATA			COMPRESSOR		CONDENSER FANS		ELECTRICAL DATA		TOTAL MINIMUM NET CAPACITY BTU/HR	SENSIBLE MINIMUM NET CAPACITY BTU/HR	MINIMUM E.E.R.	MINIMUM HIGH TEMP. AHRI RATING @ 47 Fdb		TYPE	TOTAL KW	NO. OF STEPS		ELECTRICAL DATA			
						VOLTS	PHASE	Hz	MAXIMUM FACE VELOCITY - FPM	TYPE	THICK	QUANTITY	MAXIMUM RATED LOAD AMPS EA.	QUANTITY	MAXIMUM FULL LOAD AMPS EA.	VOLTS	PHASE				Hz	CAPACITY BTU/HR					H.S.P.F.	VOLTS	PHASE	Hz
HP-1	SEE PLANS	2,665	640	0.75 ①	1.5	460	3	60	330	②	1"	2	6.1	1	1.6	460	3	60	84,660	63,740	12.5	85,070	7.7	④	15.0	1	460	3	60	⑤⑥⑦⑧⑨⑩⑪⑫⑬⑭

**SPLIT SYSTEM HEAT PUMP UNIT NOTES:**

- ① DOES NOT INCLUDE PRESSURE DROP THROUGH FILTERS OR ELECTRIC RESISTANCE HEATER.
- ② DISPOSABLE
- ③ E.E.R. - ENERGY EFFICIENCY RATIO. RATED IN ACCORDANCE WITH AIR CONDITIONING, HEATING, AND REFRIGERATION INSTITUTE (AHRI) STANDARD 340/360 AT AHRI STANDARD CONDITIONS.
- ④ ELECTRIC RESISTANCE. KW INDICATED IS RATED AT VOLTAGE INDICATED.
- ⑤ PROVIDE REMOTE CONDENSING UNIT WITH COIL GUARDS.
- ⑥ REFRIGERANT PIPING SIZE, ROUTING, AND CONFIGURATION SHALL BE AS RECOMMENDED BY MANUFACTURER OF HEAT PUMP UNIT. INSULATE ENTIRE LENGTH OF EACH SUCTION LINE WITH MINIMUM 3/4" THICK UNICELLULAR FOAM INSULATION.
- ⑦ PROVIDE REMOTE CONDENSING UNITS WITH FACTORY ANTI-SHORT CYCLE (TIME DELAY ON RESTART) CONTROLS.
- ⑧ CONDENSATE PIPE SHALL BE 1" SCHED. 80 PVC. TRAP AT UNIT AND ROUTE TO FLOOR DRAIN. CONSTRUCT ALL TRAPS FROM TEES WITH A CAP ON EACH TEE.
- ⑨ ROUTE REFRIGERANT AND CONDENSATE PIPING TO ALLOW CONVENIENT ACCESS TO HEAT PUMP INDOOR UNIT FOR SERVICING. ALLOW A MINIMUM OF 3'-0" IN FRONT OF ALL ACCESS PANELS.
- ⑩ BASIS OF DESIGN - TRANE MODEL T4A090E4 REMOTE HEAT PUMP UNIT WITH DUAL COMPRESSORS AND TRANE MODEL TWE090 INDOOR UNIT OR APPROVED EQUALS.
- ⑪ PROVIDE UNITS WITH PHASE PROTECTION.
- ⑫ UNITS AND CONTROLS SHALL BE SETUP SUCH THAT THE ELECTRICAL HEAT IS THE SECOND STAGE OF HEAT AND IS LOCKED OUT ANY TIME THE COMPRESSOR IS OPERATING EXCEPT WHEN THE UNIT IS IN DEFROST MODE.
- ⑬ PROVIDE FACTORY COIL COATING ON CONDENSER COIL TO PREVENT CORROSION.
- ⑭ PROVIDE UNIT WITH RAMAL APR DEVICE ON LEAD COMPRESSOR.

**FAN SCHEDULE**

MARK	TYPE ①	DRIVE ②	SERVICE ③	LOCATION	CONTROL	INTERLOCKS	PERFORMANCE DATA				ELECTRICAL DATA			REMARKS		
							AIR FLOW CFM	EXTERNAL STATIC PRESS. INCHES WC	MAXIMUM RPM	MAX SONES	MINIMUM WATTS	VOLTS	PHASE		HERTZ	
EF-107	CEF	DD	EA	SEE PLANS	DDC SYSTEM	⑥	70	0.25	778	1.1	30.2 WATTS	120	1	60	COOK MODEL GC-146	④⑤
EF-108	CEF	DD	EA	SEE PLANS	DDC SYSTEM	⑥	210	0.25	1,065	5.0	88.9 WATTS	120	1	60	COOK MODEL GC-186	④⑤
EF-110A	CEF	DD	EA	SEE PLANS	DDC SYSTEM	⑥	100	0.25	889	1.5	37.9 WATTS	120	1	60	COOK MODEL GC-148	④⑤
EF-110B	CEF	DD	EA	SEE PLANS	DDC SYSTEM	⑥	50	0.25	671	0.8	25.0 WATTS	120	1	60	COOK MODEL GC-128	④⑤
EF-111A	CEF	DD	EA	SEE PLANS	DDC SYSTEM	⑥	100	0.25	889	1.5	37.9 WATTS	120	1	60	COOK MODEL GC-148	④⑤
EF-111B	CEF	DD	EA	SEE PLANS	DDC SYSTEM	⑥	50	0.25	671	0.8	25.0 WATTS	120	1	60	COOK MODEL GC-128	④⑤

**FAN SCHEDULE NOTES:**

- ① CEF - CEILING EXHAUST FAN
- ② DD - DIRECT DRIVE
- ③ EA - EXHAUST AIR
- ④ PROVIDE FAN WITH A SPEED CONTROLLER FOR AIR FLOW BALANCING. MOUNT CONTROLLER WITHIN FAN HOUSING.
- ⑤ PROVIDE MANUFACTURER AND MODEL LISTED OR BY GREENHECK OR PENN ARE ACCEPTABLE, PROVIDED THAT THEY MEET ALL REQUIREMENTS SPECIFIED FOR FANS MANUFACTURED BY LOREN COOK.
- ⑥ INTERLOCK EXHAUST FANS AND OUTSIDE AIR DAMPER FOR HP-1 TO BE ENERGIZED DURING OCCUPIED PERIODS.

**MINI-SPLIT SYSTEM AIR CONDITIONING UNIT SCHEDULE**

MARK	①	INDOOR SECTION						FILTER DATA	SOUND PRESSURE LEVEL dBA ②	OUTDOOR SECTION				ARI COOLING DATA ③		REMARKS					
		TOTAL AIR CFM HI-LO	OUTSIDE AIR CFM	FAN ELECTRICAL DATA			SOUND PRESSURE LEVEL dBA ②			ELECTRICAL DATA			TOTAL MINIMUM NET CAPACITY BTU/HR	MINIMUM S.E.E.R.							
				F.L.A.	MINIMUM AMPACITY	MAXIMUM FUSE SIZE				MINIMUM AMPACITY	MAXIMUM FUSE SIZE	VOLTS/PHASE/HZ									
MS-1		713-403	0	-	-	-	230	1	60	FACTORY STANDARD	49	②	54	18.3	20	230	1	60	18,000	18.0	④⑤⑥⑦

**MINI-SPLIT SYSTEM AIR CONDITIONER UNIT NOTES:**

- ① DAIKIN FTX18NMVJU WALL MOUNTED INDOOR UNIT. PROVIDE WITH FACTORY OPTIONAL CONDENSATE PUMP. PROVIDE WITH FACTORY STANDARD WIRELESS REMOTE CONTROLLER. INSTALL UNIT IN STRICT ACCORDANCE WITH MANUFACTURER'S PRINTED INSTRUCTION MANUAL. RUN ALL PIPING AND CONDUIT CONCEALED. CONTRACTOR SURVEY SITE AND VERIFY ALL CONDITIONS RELATIVE TO MOUNTING EQUIPMENT.
- ② DAIKIN RX18NMVJU OUTDOOR CONDENSING UNIT.
- ③ RATED IN ACCORDANCE WITH ARI STANDARD 210/240 AT ARI STANDARD CONDITIONS  
 S.E.E.R. = SEASONAL ENERGY EFFICIENCY RATIO  
 E.E.R. = ENERGY EFFICIENCY RATIO
- ④ PROVIDE REMOTE CONDENSING UNIT WITH COIL GUARDS.
- ⑤ PROVIDE REMOTE CONDENSING UNIT WITH FACTORY ANTI-SHORT CYCLE (TIME DELAY ON RESTART) CONTROLS.
- ⑥ REFRIGERANT PIPING SIZE, ROUTING, AND CONFIGURATION SHALL BE AS RECOMMENDED BY MANUFACTURER OF AIR CONDITIONING UNIT. MAXIMUM TOTAL LENGTH OF REFRIGERANT PIPING SHALL BE 98 FEET PER MANUFACTURER'S SPECIFICATIONS FOR RX18NMVJU UNIT.
- ⑦ REFRIGERANT PIPING SIZE, ROUTING, AND CONFIGURATION SHALL BE AS RECOMMENDED BY MANUFACTURER OF HEAT PUMP UNIT. INSULATE ENTIRE LENGTH OF EACH SUCTION LINE WITH MINIMUM 3/4" THICK UNICELLULAR FOAM INSULATION.

**GENERAL DDC NOTES**

ALL DDC WORK TO BE DONE IN SEPERATE CONTRACT.



CONSULTANTS:



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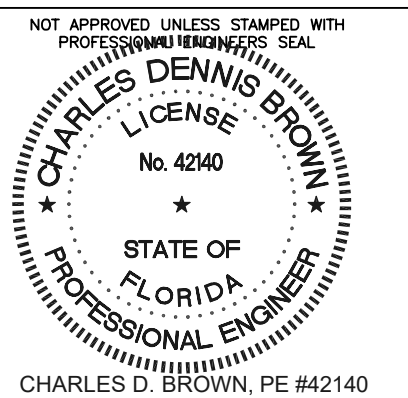
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GCSC SOFTBALL COMPLEX



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As Indicated

DATE:

05/04/2017

DRAWN:

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NO. REVISION:

1 ADDENDUM No. 1

DATE:

6-1-17

SHEET TITLE:

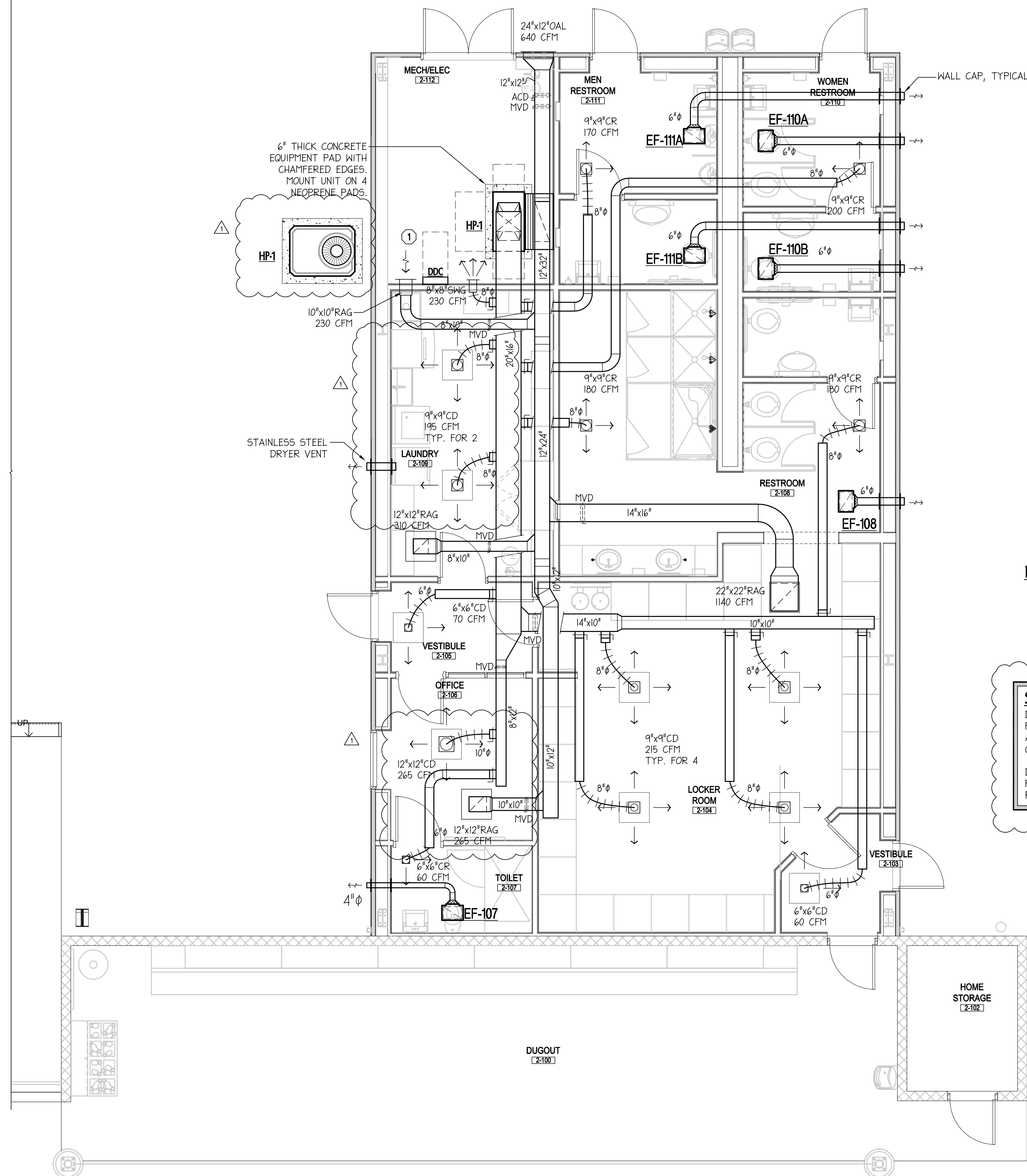
HVAC FLOOR PLAN - NEW WORK

PROJECT NO.

4226

SHEET

M3



**NEW WORK KEY NOTE**

① DDC PANEL TO BE PROVIDED BY OWNER AND INSTALLED UNDER SEPERATE CONTRACT.

**SEQUENCE OF OPERATION**

DURING OCCUPIED PERIODS, THE EXHAUST FANS SHALL BE ENERGIZED AND THE AUTOMATIC CONTROL DAMPER (ACD) IN THE OUTSIDE AIR DUCT SHALL BE OPEN.  
 DURING UNOCCUPIED PERIODS, THE EXHAUST FANS SHALL REMAIN OFF AND THE ACD SHALL REMAIN CLOSED.

**HVAC FLOOR PLAN - NEW WORK - LOCKER BUILDING**  
 SCALE: 1/4" = 1'-0"



**General Plumbing Notes:**

- THE CONTRACTOR SHALL EXECUTE WORK SO THAT IT PROCEEDS WITH A MINIMUM INTERFERENCE WITH OTHER TRADES.
- VERIFY EXACT PLUMBING FIXTURE ROUGH-IN AND FINAL HVAC EQUIPMENT REQUIREMENTS IN THE FIELD.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR FINAL CONNECTIONS TO PLUMBING FIXTURES. THIS RESPONSIBILITY INCLUDES, BUT IS NOT LIMITED TO, FURNISHING AND INSTALLING TRAPS, DRAINS, AND SUPPLIES WITH STOPS. FURNISH AND INSTALL PLUMBING FIXTURES INDICATED OR SPECIFIED, COMPLETE WITH EQUIPMENT, FITTINGS, TRIM AND ACCESSORIES INDICATED OR SPECIFIED. EXPOSED WATER PIPING TO FIXTURES SHALL BE CHROME-PLATED BRASS, IPS. ADJUST WATER FLOW THROUGH FIXTURES TO PROVIDE PROPER FLUSHING ACTION WITH THE LEAST AMOUNT OF WATER. FAUCETS SHALL HAVE UNDERDECK AND/OR ESCUTCHEON PLATES, IF REQUIRED, TO STABILIZE FAUCET WITHIN FIXTURE.
- COORDINATE ROUTING OF WATER SUPPLY, WASTE, & VENT PIPING WITH OTHER TRADES.
- THE PLUMBING CONTRACTOR SHALL COORDINATE WITH THE GENERAL CONTRACTOR AND OTHER TRADES REQUIRED OPENINGS AND EXCAVATIONS.
- ITEMS PROJECTING THROUGH THE ROOF/WALL SHALL BE FLASHED A MINIMUM OF 12" ABOVE THE ROOF. VENTS SHALL BE A MINIMUM OF 10 FEET FROM ANY OUTSIDE AIR INTAKE. COAT EXPOSED VENT PIPING W/ UV RESISTANT PAINT, COLOR BY ARCHITECT.
- ACCESS PANEL: WHERE FITTINGS REQUIRING MAINTENANCE OR ISOLATION VALVES ARE LOCATED ABOVE NON-ACCESSIBLE CEILINGS OR SOFFITS (EXAMPLE PLASTER, METAL, OR GYPSUM BOARD), INSTALL AN ACCESS DOOR IN CEILING DIRECTLY BELOW EACH SUCH FITTING/VALVE. ACCESS DOORS SHALL BE AS DESCRIBED IN SPECIFICATIONS.
- FLOOR DRAIN/SINK SPECIAL NOTE: IN SPACES WHERE FLOOR DRAINS/SINKS ARE SHOWN, DRAINS SHALL BE SET AT LOW POINTS OF FLOOR WITH GRADUAL AND EVEN FLOOR SLOPE TO DRAIN. POCKETS IN THE FLOOR SHALL NOT BE ALLOWED AROUND FLOOR DRAINS/SINKS. PRIOR TO SETTING FLOOR DRAIN/SINK ELEVATIONS, THE PLUMBING CONTRACTOR SHALL REVIEW THE FLOOR SLOPES SHOWN ON THE ARCHITECTURAL AND STRUCTURAL DRAWINGS, AND SHALL CLOSELY COORDINATE TOP OF DRAIN ELEVATIONS WITH THE GENERAL CONTRACTOR AND THE FLOOR SLAB INSTALLER. LIQUIDS SHALL POSITIVELY FLOW TO FLOOR DRAINS/SINKS IN EACH LOCATION - STANDING WATER AT ANY POINT SHALL NOT BE ACCEPTABLE. COORDINATE FINAL LOCATION & ELEVATION WITH ARCHITECT PRIOR TO ROUGH-IN. PATCH EXISTING FLOOR TO MATCH SURROUNDING AFTER INSTALLATION OF FLOOR DRAINS.
- ALL FLOOR DRAINS & FLOOR SINKS NOT RECEIVING SINK FIXTURE DRAINAGE SHALL HAVE A 4" DEEP SEAL AND TRAPS WITH TRAP PRIMERS AS REQUIRED BY CODE. CONTRACTOR TO ENSURE THAT EACH FLOOR DRAIN/SINK DOES NOT EXTEND ABOVE THE ADJACENT FLOOR SURFACE. INSTALL AN ACCESS PANEL FOR TRAP PRIMER FITTINGS LOCATED INSIDE A WALL. NO TRAP PRIMERS ABOVE CEILING SYSTEM. EACH TRAP PRIMER TO HAVE A SHUTOFF BALL VALVE UPSTREAM. COORDINATE OPENINGS WITH ARCHITECT. CONTRACTOR MAY INSTALL WATER CLOSET FLUSH VALVE OR LAVATORY TYPE PRIMER FITTINGS TO SERVE RESTROOM FLOOR DRAINS. INSTALL IN AN INCONSPICUOUS UNOCCUPIED LOCATION (BELOW COUNTERTOP MOUNTED LAVATORY, CUSTODIAL OR MECHANICAL ROOM). CONTRACTOR TO ENSURE THAT EACH TRAP PRIMER VALVE IS CLEANED AND FREE OF DEBRIS JUST PRIOR TO PROJECT COMPLETION.
- PROVIDE STOPS AND SHOCK ABSORBERS IN ACCORDANCE WITH PDI AND ASSE 1010. AN ACCESS PANEL MUST BE INSTALLED IF WATER HAMMER ARRESTOR IS LOCATED INSIDE A WALL OR ABOVE A HARD CEILING. COORDINATE OPENINGS WITH ARCHITECT.
- PROVIDE AN ACCESS PANEL IF ISOLATION/SHUTOFF VALVE OR FITTING REQUIRING MAINTENANCE IS LOCATED INSIDE A WALL OR ABOVE A HARD CEILING. VALVES/SERVICABLE FITTINGS SHALL BE LOCATED WITHIN REACH OF ACCESS DOOR OR LAY-IN CEILING SYSTEM (10" MAX.). COORDINATE OPENINGS WITH ARCHITECT. MARK CEILING TILES AS REQUIRED PER SPECIFICATIONS.
- PROVIDE DIELECTRIC UNIONS AT DISSIMILAR METAL CONNECTIONS.
- INSULATE DOMESTIC WATER AND WASTE PIPING UNDER LAVATORIES AND SINKS USING "LAVGUARD2 E-Z SERIES" MOLDED VINYL PIPING COVERS. COVER PIPING, FITTING, VALVES, AND TRAPS EXPOSED TO VIEW.
- ROUTE PIPING AS HIGH AS POSSIBLE AND SO AS TO CAUSE MINIMAL INTERFERENCE FOR MAINTENANCE OF ALL EQUIPMENT. UNLESS OTHERWISE NOTED, NEW WATER SUPPLY PIPING IS ROUTED ABOVE THE CEILING AND BELOW ATTIC/ROOF INSULATION. BRANCH PIPING SHALL BE ROUTED WITHIN WALL CAVITY - PATCH WALLS TO MATCH SURROUNDING.
- PROVIDE SHUTOFF VALVE TO EACH SILLCOCK WITH VALVE IDENTIFICATION AS REQUIRED BY CODE.
- P-TRAPS SHALL BE 17-GAGE CAST BRASS.
- FIRE-STOP PIPE PENETRATIONS OF FIRE AND SMOKE RATED ENCLOSURES. SEE ARCHITECTURAL DWGS. AND COORDINATE WITH ARCHITECT AND GENERAL CONTRACTOR IN THE FIELD.
- PVC WILL NOT BE ALLOWED IN RETURN AIR PLENUMS.
- COORDINATE FINAL LOCATION OF HUB DRAINS, FLOOR DRAINS, AND FLOOR SINKS IN THE FIELD WITH THE EQUIPMENT SUPPLIERS.
- DRAIN PIPING FROM INDIVIDUAL EQUIPMENT ROUTED TO THE HUB/FLOOR DRAIN/SINK SHALL BE HARD PIPED COPPER UNLESS OTHERWISE NOTED.
- COORDINATE HOT WATER, COLD WATER, & WASTE CONNECTIONS TO FIXTURES PROVIDED BY EQUIPMENT SUPPLIERS, INCLUDING ANY NECESSARY FITTINGS SUCH AS PRESSURE REDUCING VALVES, VACUUM BREAKERS, WATER HAMMER ARRESTERS, SHUTOFF VALVES, ETC. COORDINATE REQUIREMENTS WITH THE EQUIPMENT SUPPLIER IN THE FIELD. PROVIDE FITTINGS FOR A COMPLETE INSTALLATION WHETHER SPECIFICALLY SHOWN OR NOT.
- MARK CEILING GRID AT VALVES & EQUIPMENT AS DIRECTED BY OWNER. CLEAR LABELING/BLACK CHARACTERS WITH ADHESIVE BACKING SHALL BE APPLIED TO CEILING GRID BELOW EACH VALVE. IN ADDITION, LABEL ROOM TYPE & FLOOR SERVED ON INSULATION ADJACENT TO BALL VALVE ABOVE CEILING.

**Plumbing Legend:**

	WASTE PIPING, SIZED AS SHOWN.	WCO	WALL CLEANOUT	<b>CP-#</b>	CIRCULATION PUMP. SEE SCHEDULE THIS SHEET.
	WASTE VENT PIPING, SIZED AS SHOWN.	FCO	FLOOR CLEANOUT	<b>EW-#</b>	ELECTRIC WATER HEATER. SEE SCHEDULE AND INSTALLATION DETAIL.
	COLD WATER PIPING, SIZED AS SHOWN.	GCO	GROUND CLEANOUT	<b>P-#</b>	PLUMBING FIXTURE NUMBER. SEE SCHEDULE ON THIS SHEET.
	HOT WATER PIPING, SIZED AS SHOWN.	HD	HUB DRAIN, SIZED AS SHOWN.	AAV	AIR ADMITTANCE VALVE
	HOT WATER RETURN PIPING, SIZED AS SHOWN.	FD	FLOOR DRAIN W/ FLUSH STRAINER. OUTLET SIZE AS SHOWN. ZURN 415 'TYPE B' OR APPROVED EQUAL.	A.F.F.	ABOVE FINISHED FLOOR
	P-TRAP	FD-R	FLOOR DRAIN W/ 7" DIA. RECESSED STRAINER. INSTALL FLUSH W/ FINISHED FLOOR. OUTLET SIZE AS SHOWN. ZURN 415 'TYPE I' OR APPROVED EQUAL.	N.O.	NORMALLY OPEN
	BALL VALVE FOR SHUT-OFF SERVICE.	FD-S	FLOOR DRAIN W/ SQUARE STRAINER. OUTLET SIZE AS SHOWN. ZURN 415 'TYPE S' (6"x6") OR APPROVED EQUAL.	N.C.	NORMALLY CLOSED
	BALANCING VALVE. TOUR & ANDERSSON MODEL STAD OR APPROVED EQUAL.	FS	FLOOR SINK W/ HALF GRATE & BEEHIVE STRAINER. OUTLET SIZE AS SHOWN. ZURN 1900 OR APPROVED EQUAL.	EX.	EXISTING
	CHECK VALVE.	FS-SS	STAINLESS STEEL FLOOR SINK W/ HALF GRATE & BEEHIVE STRAINER. OUTLET SIZE AS SHOWN. ZURN 1751 OR APPROVED EQUAL.	SS	STAINLESS STEEL
FPWH/VB	3/4" EXPOSED FREEZEPROOF WALL HYDRANT WITH VACUUM BREAKER	VTR	VENT THROUGH ROOF. SIZED AS SHOWN.	W/	WITH
HB/VB	3/4" CHROME PLATED HOSE BIBB WITH VACUUM BREAKER & LOOSE KEY OPERATOR.				
HB	HOSE BIBB WITH VACUUM BREAKER				

**PLUMBING FIXTURE CONNECTION SCHEDULE**

MARK #	FIXTURE TYPE	MANUFAC. & MODEL	CONNECTIONS			REMARKS
			WASTE	CW	HW	
P-1	WATER CLOSET (ADULT)	ZURN Z5665	3"	1"	-	FLOOR MOUNTED, ELONGATED WATER CLOSET, SLOAN REGAL MANUAL FLUSH VALVE W/ SPLIT RING PIPE SUPPORT, & ZURN Z5955SS-EL OPEN FRONT SEAT WITHOUT COVER. (1.6 GPF)
P-1A	WATER CLOSET (ADULT - HC)	ZURN Z5665	3"	1"	-	FLOOR MOUNTED, ELONGATED WATER CLOSET, SLOAN REGAL MANUAL FLUSH VALVE W/ SPLIT RING PIPE SUPPORT, & ZURN Z5955SS-EL OPEN FRONT SEAT WITHOUT COVER. (HC) (1.6 GPF)
P-2	WALL MOUNTED URINAL	ZURN Z5798	2"	3/4"	-	VIT. CHINA, CARRIER WALL MOUNTED, SLOAN REGAL MANUAL FLUSH VALVE W/ SPLIT RING PIPE SUPPORT. (0.125 GPF) SEE ARCH. DWGS. FOR ADA LOCATIONS.
P-3	WALL MOUNTED LAVATORY	ZURN Z5344	1-1/4" X 1-1/2"	1/2"	1/2"	VIT. CHINA, PROVIDE WITH CONCEALED ARMS SUPPORT AND T45 BRASS B-0831-WA VANDAL RESISTANT WRIST BLADE HANDLE METERING FAUCET, 1.0 GPM AERATOR, OFFSET TRAP AND STRAINER. PROVIDE POINT OF USE MIXING VALVE FOR LAVATORY. MOUNT BELOW FIXTURE AND ADJUST VALVE TO NOT EXCEED 110". (HC)
P-4	COUNTERTOP MOUNTED LAVATORY	FITTINGS ONLY	1-1/4" X 1-1/2"	1/2"	1/2"	INTEGRAL LAVATORY COUNTERTOP WITH T45 BRASS B-0831-WA VANDAL RESISTANT WRIST BLADE HANDLE METERING FAUCET, 1.0 GPM AERATOR, GRID STRNR., & OFFSET P-TRAP. PROVIDE POINT OF USE MIXING VALVE FOR LAVATORY. MOUNT BELOW FIXTURE AND ADJUST VALVE TO NOT EXCEED 110". SEE ARCH.
P-5	SHOWER	FITTINGS ONLY	2"	1/2"	1/2"	LEONARD 76-1A SHOWER SYSTEM W/ PRESSURE BALANCING MIXING VALVE & 1.5 GPM ADJ. METAL SHOWER HEAD, STAINLESS STEEL HORIZONTAL GRAB BAR, SHOWER CURTAIN & ROD, & VINYL FLEXIBLE DAM. DRAIN ASSEMBLY SHALL BE COMPATIBLE W/ SHOWER BASE, WHICH INCLUDES STAINLESS STEEL STRAINER, CLAMPING COLLAR, & SEEPAGE SLOTS.
P-5A	SHOWER (HC)	FITTINGS ONLY	2"	1/2"	1/2"	LEONARD 76-5A SHOWER SYSTEM W/ PRESSURE BALANCING MIXING VALVE, 1.5 GPM METAL HANDSET, MOUNTING BAR, & FLEXIBLE METAL HOSE. PROVIDE FOLD-UP SEAT, STAINLESS STEEL HORIZONTAL GRAB BAR, SHOWER CURTAIN & ROD, & VINYL FLEXIBLE DAM. DRAIN ASSEMBLY SHALL BE COMPATIBLE W/ SHOWER BASE, WHICH INCLUDES STAINLESS STEEL STRAINER, CLAMPING COLLAR, & SEEPAGE SLOTS.
P-6	WASHING MACHINE	GUY GRAY B200	2"	3/4"	3/4"	GALVANIZED STEEL WASHING MACHINE SUPPLY WITH TWO 3/4" HOSE BIBBS AND WATER HAMMER ARRESTORS. PROVIDE CONNECTIONS TO EQUIPMENT.
P-7	JANITOR'S SERVICE SINK	STERN WILLIAMS HL-1800	3"	1/2"	1/2"	24"x24"x10" DEEP TERRAZZO SERVICE SINK WITH STAINLESS STEEL INTEGRAL CAST CAP, GRID STRAINER, SPLASH GUARDS, AND T45 B-0665-BSTR FAUCET WITH VACUUM BREAKER.
P-8	REFRIGERATOR / ICE MACHINE	GUY GRAY	-	1/2"	-	GALVANIZED STEEL SUPPLY BOX WITH ANGLE SHUTOFF VALVE W/ WATER HAMMER ARRESTOR. PROVIDE CONNECTION TO EQUIPMENT. COORDINATE LOCATION OF FLOOR DRAIN & WATER ROUGH-IN WITH EQUIPMENT.
P-9	DRINKING FOUNTAIN (HC)	HALSEY TAYLOR HRFSEBP FR	1-1/2"	1/2"	-	5.5. SELF CONTAINED, CARRIER SUPPORT, BI-LEVEL EXTERIOR DRINKING FOUNTAIN, WALL MOUNT ADULT ADA "SWIRLFLO" MODELS. LOCATE FPWH/VB DOWNSTREAM OF SUPPLY STOP FOR DRAINING.
P-10	DRINKING FOUNTAIN (HC)	HALSEY TAYLOR HRFEBP FR	1-1/2"	1/2"	-	5.5. SELF CONTAINED, CARRIER SUPPORT, EXTERIOR DRINKING FOUNTAIN, WALL MOUNT ADULT ADA "SWIRLFLO" MODELS. LOCATE FPWH/VB DOWNSTREAM OF SUPPLY STOP FOR DRAINING.
P-11	ELECTRIC WATER COOLER (HC)	HALSEY TAYLOR HTHB-HAC855-WF	1-1/2"	1/2"	-	SELF CONTAINED, FLOOR MOUNTED CARRIER, BOTTLE FILLER, FILTERED, 8.8 GPH CAPACITY (80°F AMB. AIR), 4.0 FULL LOAD AMPS, 370 RATED WATT USAGE.
P-12	SINGLE BOWL LAUNDRY TUB	MUSTEE	2"	1/2"	1/2"	24"x24"x13" (FIELD VERIFY) DEEP COMPOSITE LAUNDRY TUB - ADJUSTABLE LEGS W/ DECK MOUNTED FAUCET. PROVIDE MOUNTING BRACKET & FILLER PANELS AS REQUIRED FOR A COMPLETE INSTALLATION.

(HC) DENOTES FIXTURE TO BE DESIGNED, MANUFACTURED AND MOUNTED FOR HANDICAPPED ACCESSIBILITY.  
 • PROVIDE MANUFACTURERS AND MODEL NUMBERS LISTED ABOVE OR APPROVED EQUALS IN STRICT ACCORDANCE WITH ARCHITECTURAL INTERIOR & RESTROOM ELEVATIONS FOR PROPER MOUNTING/FIXTURE HEIGHTS AS REQUIRED FOR DIFFERENT STUDENT AGE GROUPS. FIXTURES AND ADDITIONAL COMPONENTS/FITTINGS REQUIRED FOR SPECIFIC HEIGHT INSTALLATION SHALL BE COORDINATED/VERIFIED WITH THE MOST CURRENT ARCHITECTURAL DRAWINGS/CORRESPONDENCE PRIOR TO ORDERING OR ROUGH-IN. DISCREPANCIES BETWEEN THE PLUMBING DRAWINGS AND ARCHITECTURAL DRAWINGS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER IMMEDIATELY AND PRIOR TO ORDERING FIXTURES OR INSTALLING ROUGH-IN PIPING.

**CIRCULATION PUMP SCHEDULE**

MARK	SERVICE	TYPE	PERFORMANCE DATA				ELECTRICAL DATA			REMARKS	
			CAPACITY - GPM	HEAD - FT H <sub>2</sub> O	MINIMUM EFFICIENCY-%	MAXIMUM SPEED - RPM	APPROXIMATE MOTOR H.P.	VOLTS	PHASE		HERTZ
CP-1	HOT WATER	①	3.0	-	-	3250	1/8	115	1	60	② ③ ④

- PUMP SCHEDULE NOTES:**
- CARTRIDGE CIRCULATOR, BRONZE FITTED
  - INSTALL PUMP AND ACCESSORIES IN THE MECHANICAL ROOM FOR EASY MAINTENANCE ACCESS (MAX. 6'-0").
  - PUMP SHALL BE CONNECTED TO DDC SYSTEM FOR START/STOP OPERATION/OVERRIDE. AQUASTAT TO CONTROL PUMP DURING OCCUPIED SCHEDULE. SEE ELECTRICAL DWGS.
  - TACO MODEL 008 OR APPROVED EQUAL.

**ELECTRIC WATER HEATER SCHEDULE**

MARK	GAL.	ELECTRICAL DATA			REMARKS	
		VOLTS	PHASE	HERTZ		
EW-1	50	480	3	60	24	A.O. SMITH DRE-52-24

- WATER HEATER SCHEDULE NOTES:**
- EW-1 DESIGN BASED ON COMMERCIAL ELECTRIC WATER HEATER OR APPROVED EQUAL.
  - FIELD VERIFY AVAILABLE VOLTAGE PRIOR TO ORDERING.
  - HEATER SHALL BE CONNECTED TO DDC SYSTEM FOR START/STOP OPERATION/OVERRIDE. SEE ELECTRICAL DWGS.

CONSULTANTS:

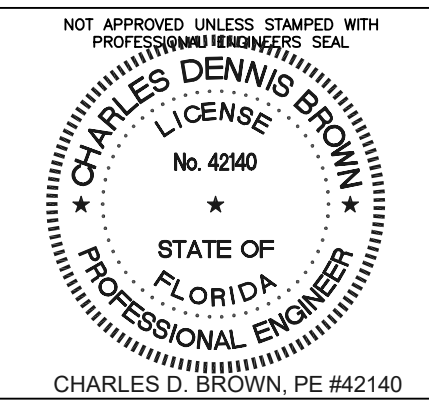
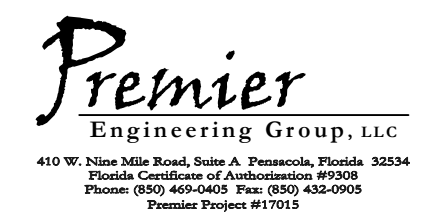


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PROJECT:  
**GCSC SOFTBALL COMPLEX**



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SCALE: As Indicated	DATE: 05/04/2017
DRAWN: J.W.W.	CHECKED: C. D. BROWN
NO. REVISION:	DATE:
1 ADDENDUM #1	06/01/17

SHEET TITLE:

**PLUMBING LEGEND AND NOTES**

PROJECT NO. **4226** SHEET **P1**



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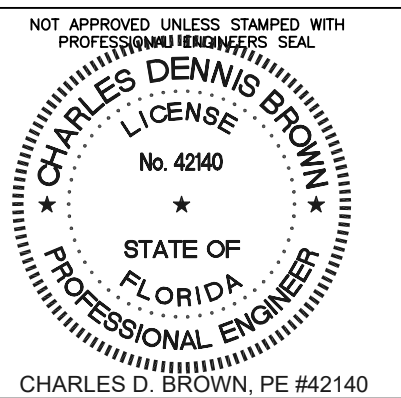
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SCALE: As indicated DATE: 05/04/2017

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NO. REVISION: DATE

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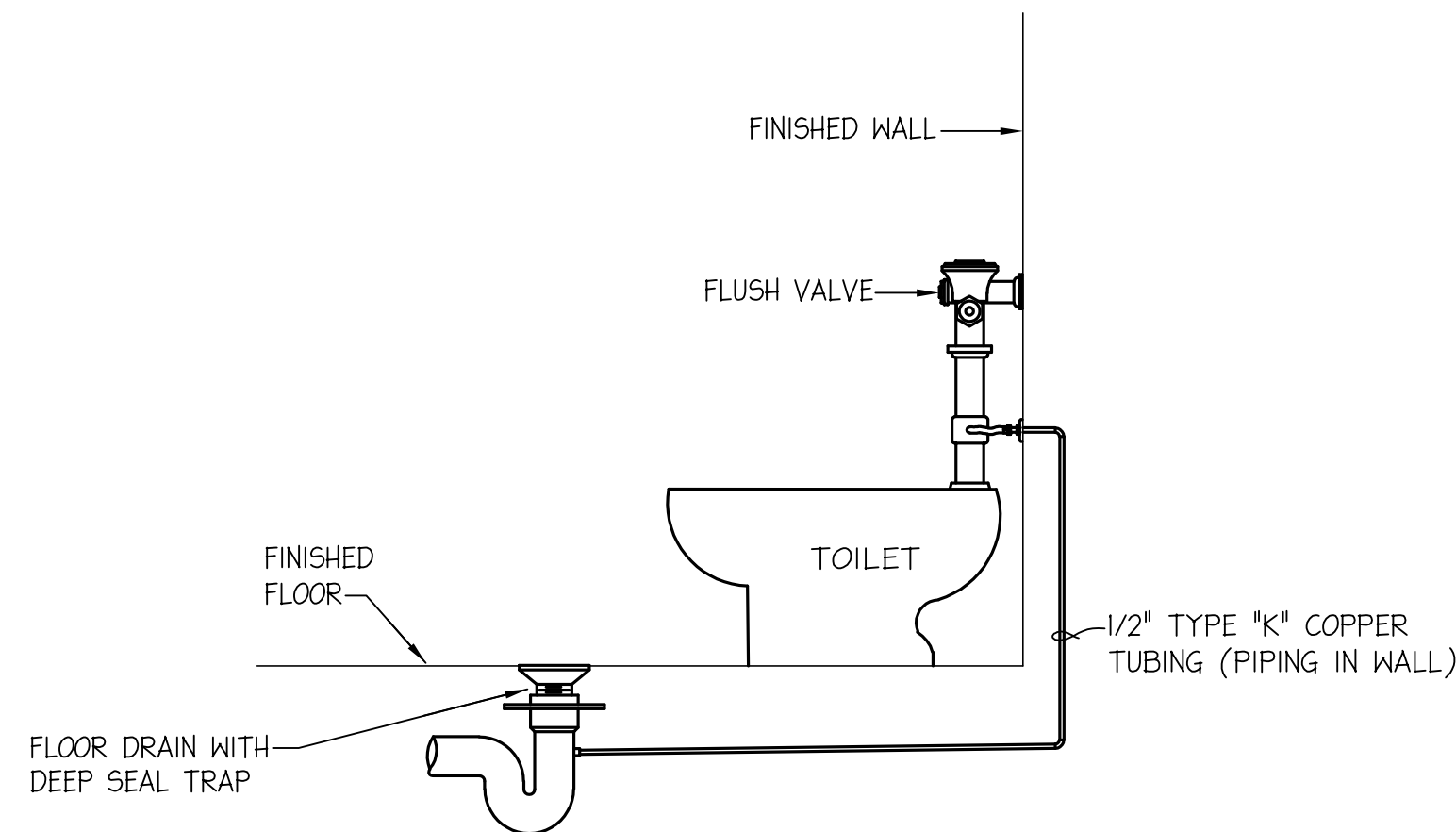
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**PLUMBING DETAILS**

PROJECT NO. SHEET

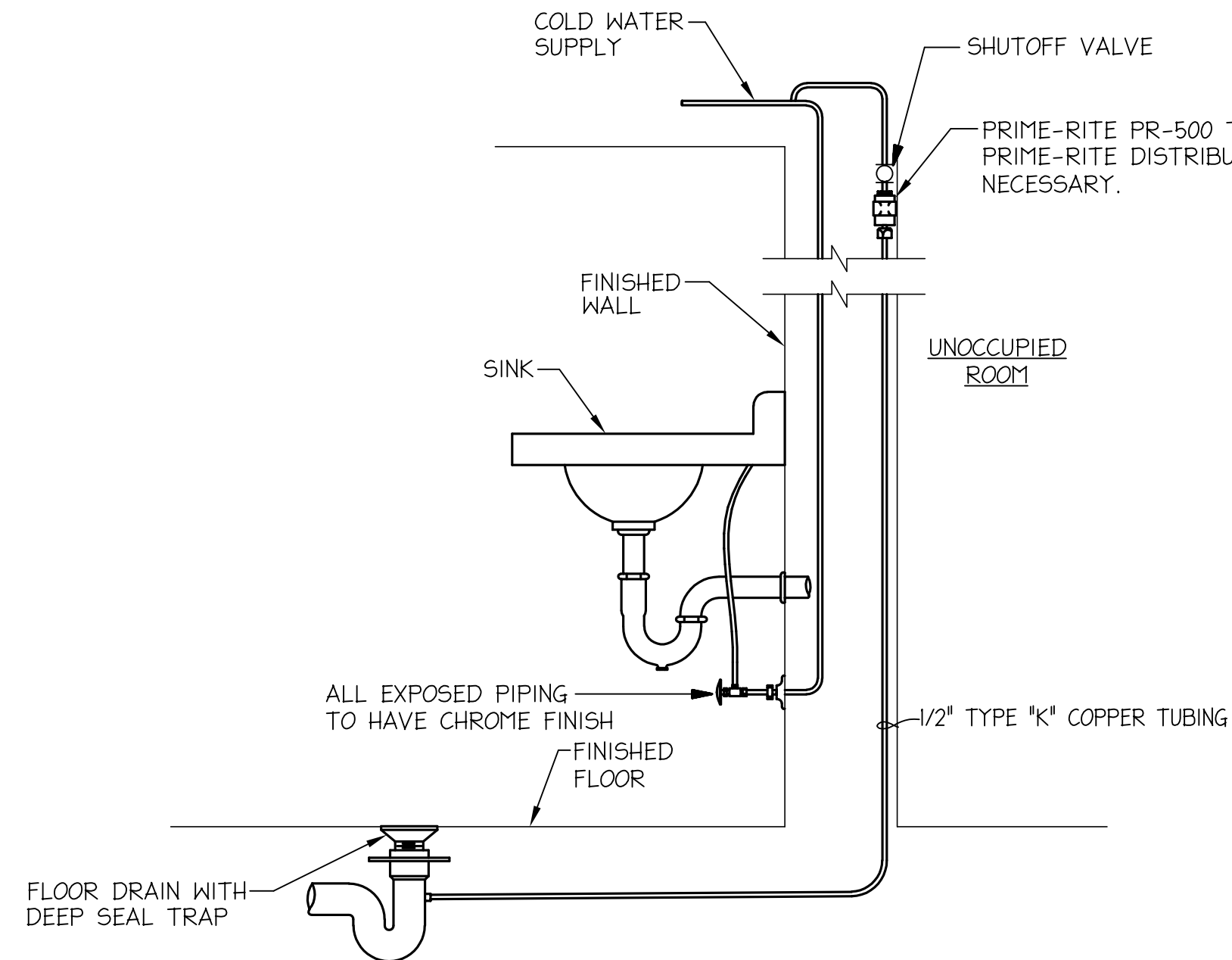
4226 P2

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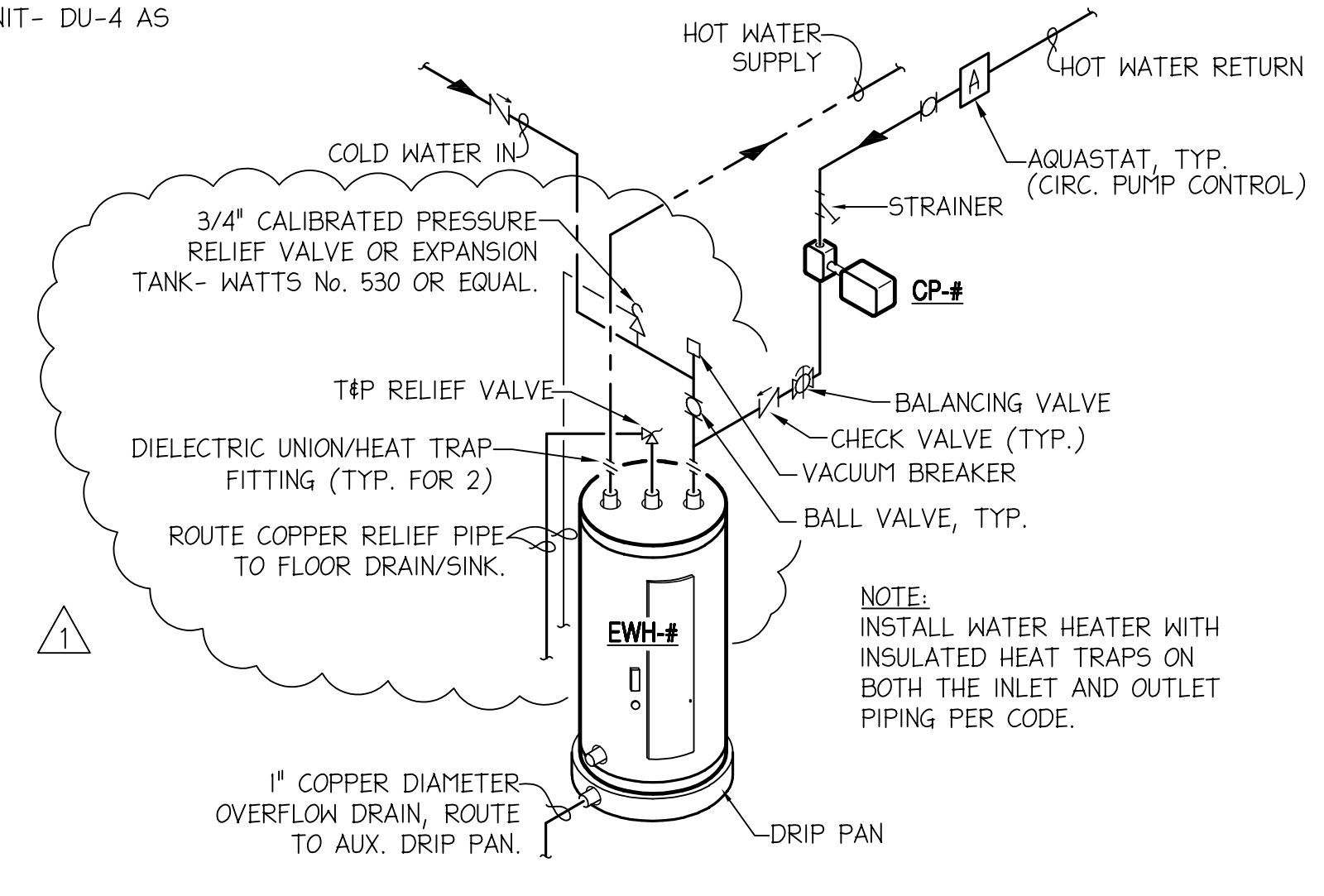
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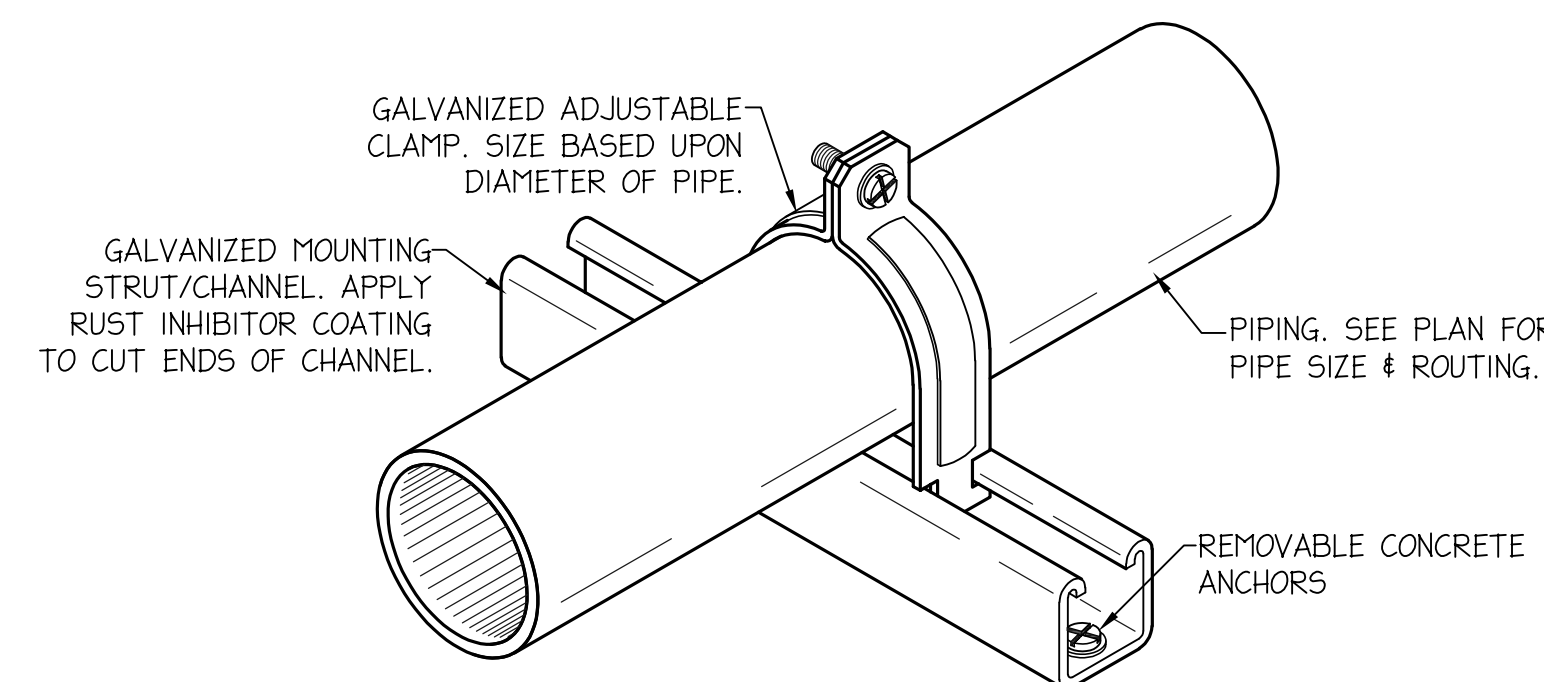
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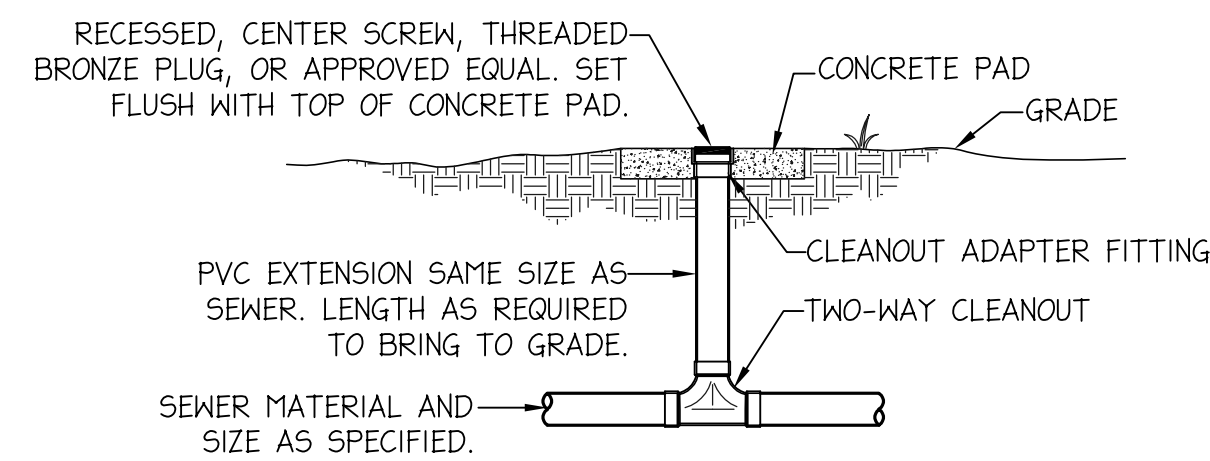
**ELECTRIC WATER HEATER INSTALLATION DETAIL**

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**PIPING SUPPORT DETAIL**

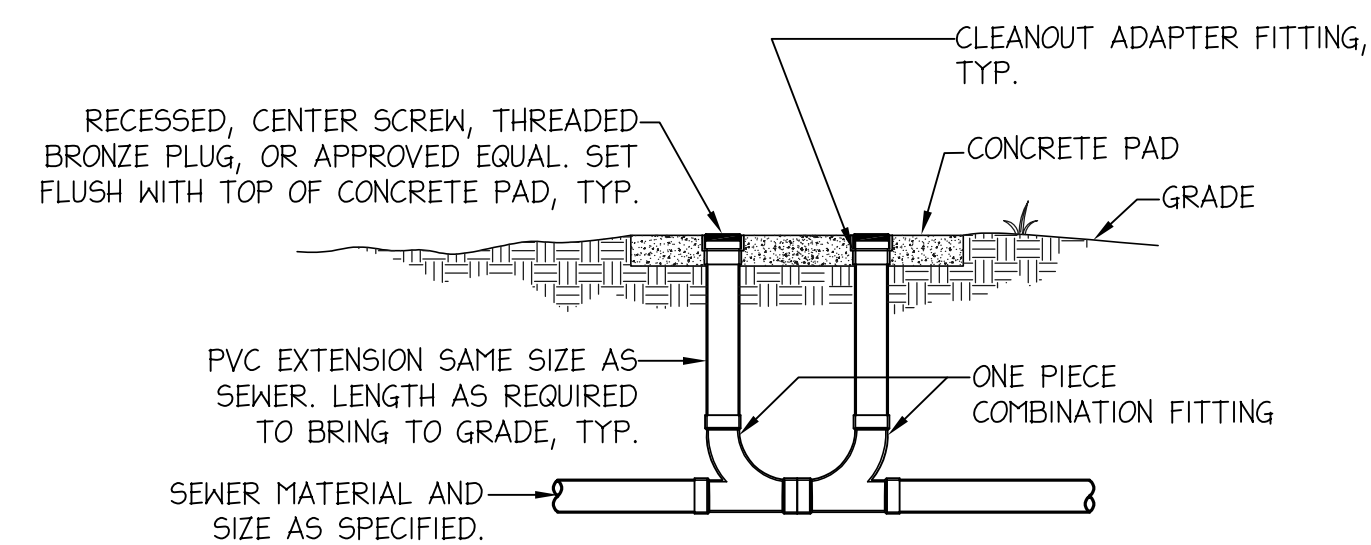
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**2-WAY GROUND LEVEL CLEANOUT DETAIL**

NOT TO SCALE

(FOR INSTALLATIONS LESS THAN 2'-6" BELOW FINISHED GRADE.)



**2-WAY GROUND LEVEL CLEANOUT DETAIL**

NOT TO SCALE

(FOR INSTALLATIONS GREATER THAN 2'-6" BELOW FINISHED GRADE.)

CONSULTANTS:



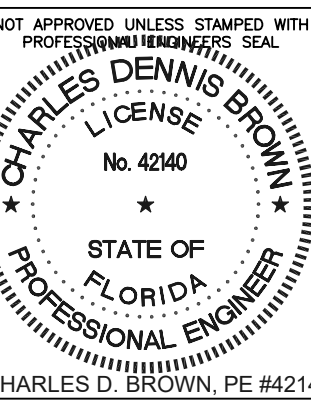
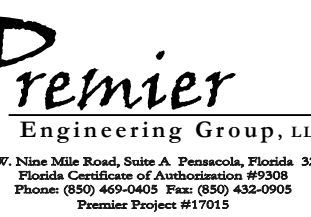
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SCALE:  
As Indicated

DATE:  
05/04/2017

DRAWN:  
J.W.W.

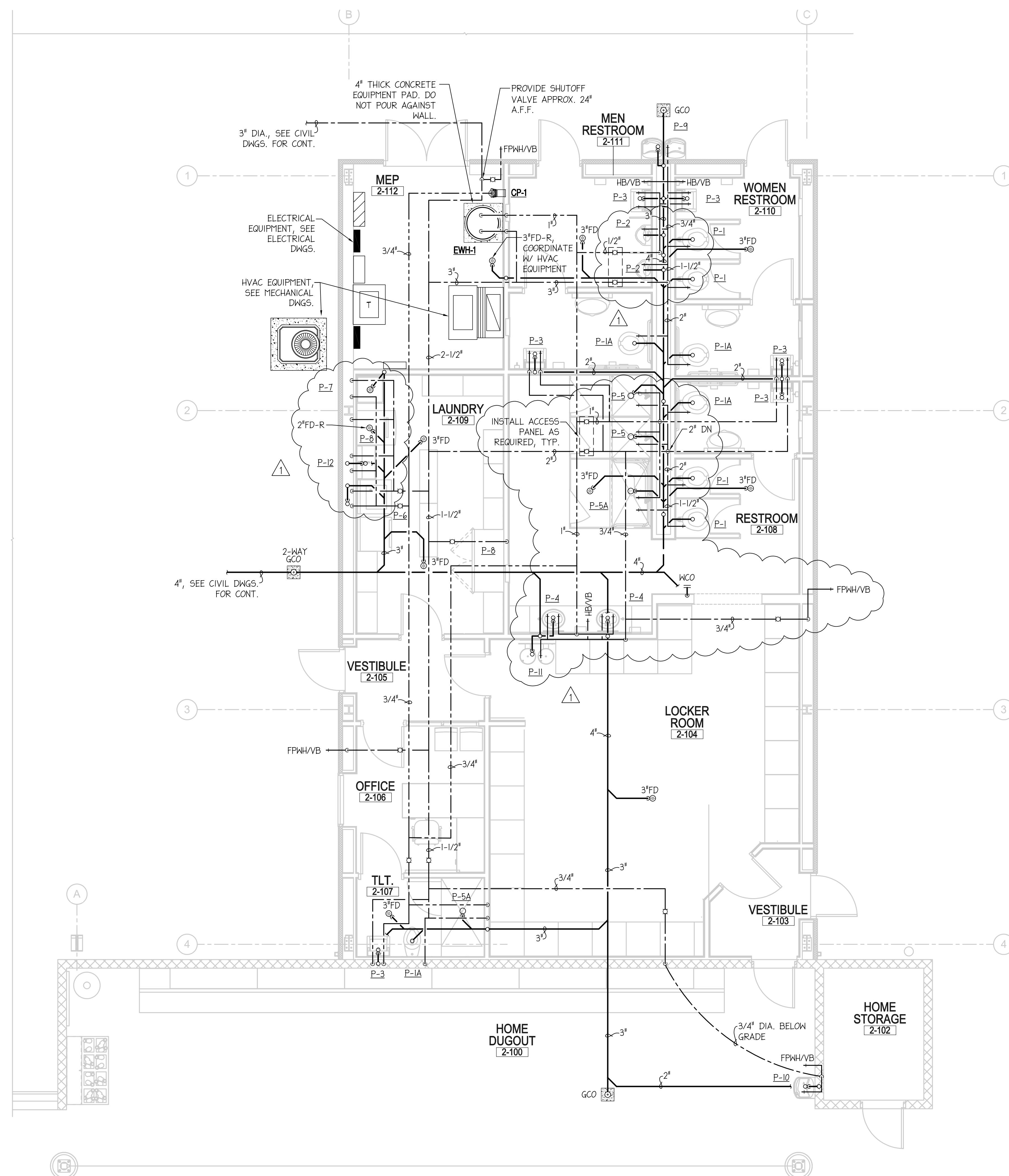
CHECKED:  
C. D. BROWN

NO.	REVISION:	DATE:
1	ADDENDUM #1	06/01/17

SHEET TITLE:

**PLUMBING - LOCKER ROOM FACILITY**

PROJECT NO. **4226** SHEET **P4**



**PLUMBING FLOOR PLAN - LOCKER ROOM FACILITY**  
SCALE: 1/4" = 1'-0"



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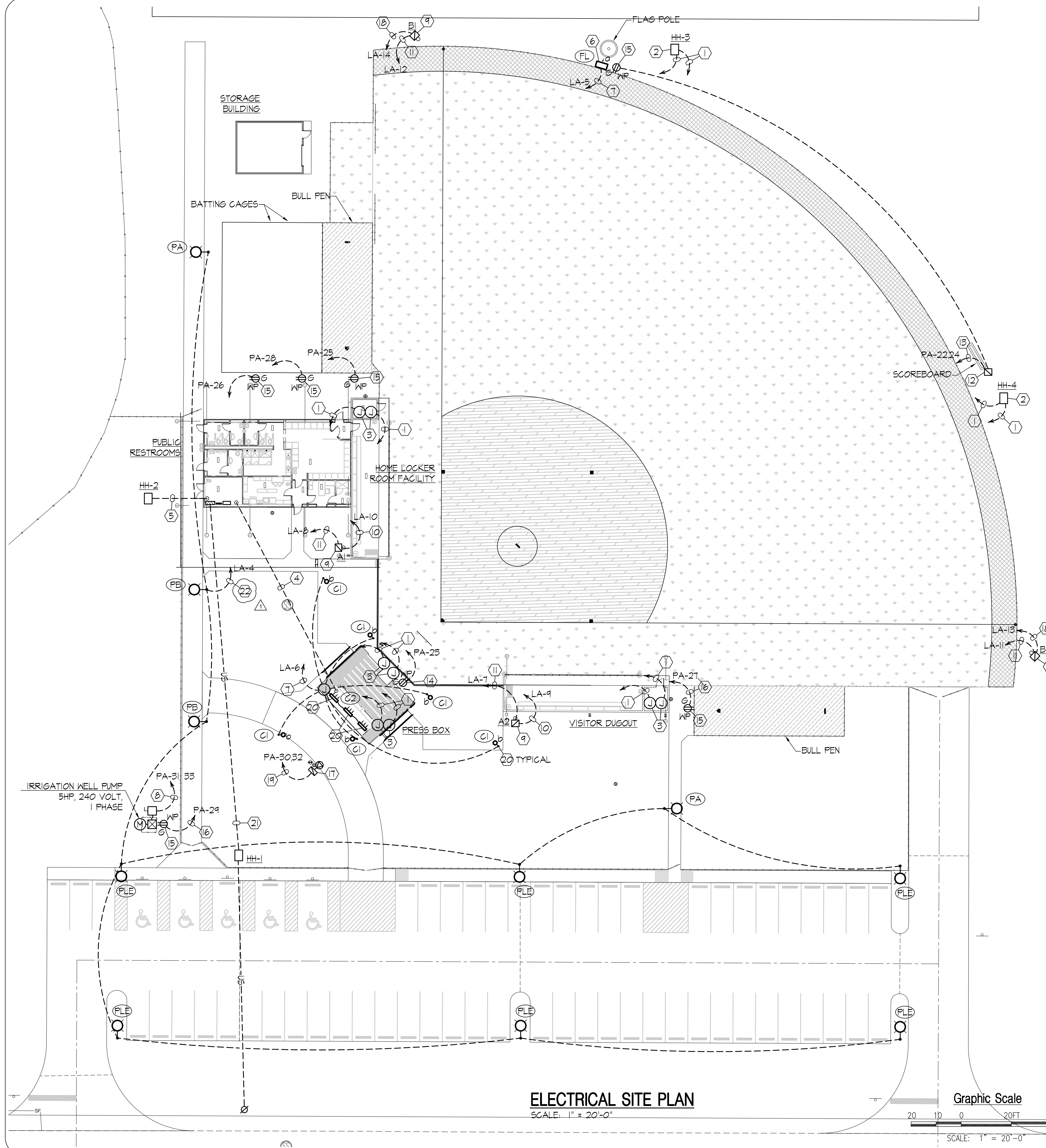


**ELECTRICAL LEGEND**

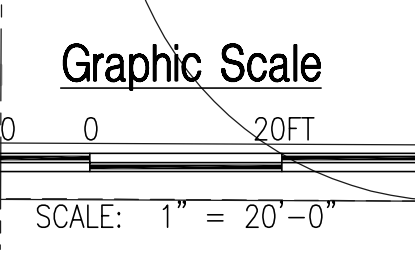
- POLE MOUNTED PARKING AREA LIGHT FIXTURE. SEE DETAIL, SHEET E1.
- FLOODLIGHT FIXTURE
- CANOPY LIGHT FIXTURE, POLE MOUNT
- CANOPY LIGHT FIXTURE, ROOF MOUNT
- -U5- - UNDERGROUND SECONDARY SERVICE CONDUCTORS IN CONDUIT
- - - - UNDERGROUND BRANCH CIRCUIT CONDUCTORS IN CONDUIT
- HH-2 □ HANDHOLE - SEE DETAIL, SHEET E10
- ⊘ GULF POWER COMPANY POLE MOUNTED TRANSFORMER
- ⊘ FIELD LIGHT POLE
- NON-FUSED DISCONNECT
- (M) MOTOR - SIZE AND CHARACTERISTICS AS NOTED
- ⊗ MOTOR CONTROLLER
- ⊘ WEATHERPROOF JUNCTION BOX
- ⊘ RECEPTACLES MOUNTED IN PEDESTAL - SEE DETAIL, SHEET E10
- ⊘ DUPLEX GFCI RECEPTACLE MOUNTED IN WEATHERPROOF ENCLOSURE ON FREE STANDING STRUCTURE. 20 AMP, 2 POLE, 3 WIRE GROUNDED TYPE, NEMA 5-20R.

**Key Notes**

- ① FUTURE SECURITY CAMERA LOCATION. PROVIDE TWO (2) EMPTY 1" CONDUITS WITH NYLON PULL STRING FROM SECURITY CAMERA LOCATION AND STUB UP IN MECHANICAL ROOM 2-112. COORDINATE FINAL LOCATION OF CAMERA AND STUB UP LOCATION WITH OWNER PRIOR TO ROUGH-IN.
- ② PROVIDE HANDHOLE FOR FUTURE SECURITY CAMERA LOCATION. COORDINATE FINAL LOCATION AND SIZE OF HANDHOLE WITH OWNER PRIOR TO ROUGH-IN.
- ③ PROVIDE TWO (2) WEATHERPROOF JUNCTION BOXES FOR FUTURE SECURITY CAMERA LOCATION. COORDINATE FINAL LOCATION AND MOUNTING WITH OWNER PRIOR TO ROUGH-IN.
- ④ PROVIDE TWO (2) 2" EMPTY CONDUITS WITH NYLON PULL STRING FOR FUTURE AV SYSTEM. STUB UP INSIDE OF PRESS BOX AND HOMERUN TO MECHANICAL ROOM 2-112. COORDINATE FINAL STUB-UP LOCATIONS WITH OWNER PRIOR TO ROUGH-IN.
- ⑤ PROVIDE TWO (2) 3" EMPTY CONDUITS WITH NYLON PULL STRING FOR FUTURE DATA. STUB UP INSIDE OF MECHANICAL ROOM 2-112. EXTEND EMPTY CONDUIT TO OUTSIDE OF FENCE LINE AND NEW HANDHOLE. COORDINATE FINAL STUB-UP LOCATIONS AND SIZE OF HANDHOLE WITH OWNER PRIOR TO ROUGH-IN.
- ⑥ MOUNT FIXTURE MARK "FL" ON FREE STANDING STRUCTURE NEXT TO FENCE. SECURE FIXTURE TO STRUCTURE. AIM FIXTURE AT FLAG TO PROVIDE BEST DISTRIBUTION. SEE DETAIL SHEET E1.
- ⑦ HOMERUN THRU RELAY IN LIGHTING CONTROL PANEL TO PANEL WITH 2 #10, 1 #10 GND IN 1" CONDUIT, TYPICAL FOR ENTIRE BRANCH CIRCUIT.
- ⑧ HOMERUN 2 #4, 1 #10 GND IN 1" CONDUIT THRU 60A/2P NEMA 4X DISCONNECT.
- ⑨ FIELD LIGHTING POLE AND FIXTURES. SEE DETAIL SHEETS E11 AND E12.
- ⑩ FIELD LIGHTING CIRCUIT - HOMERUN THRU LIGHTING CONTROL CONTACTOR CABINET WITH 3 #10, 1 #10 GND IN 1" CONDUIT.
- ⑪ BATTING CASE AND BULL PEN LIGHTING CIRCUIT - HOMERUN THRU LIGHTING CONTROL CONTACTOR CABINET WITH 3 #10, 1 #10 GND IN 1" CONDUIT.
- ⑫ PROVIDE 30A/2P NEMA 4X DISCONNECT FOR SCOREBOARD. MOUNT ON FREE STANDING STRUCTURE BEHIND SCOREBOARD. PROVIDE MAINTENANCE GFCI RECEPTACLE IN WEATHERPROOF ENCLOSURE AND SECURE TO FREE STANDING STRUCTURE.
- ⑬ HOMERUN TO TWO (2) 20A/1P BREAKER WITH 4 #10, 1 #10 GND IN 1" CONDUIT.
- ⑭ PROVIDE GENERAL GFCI RECEPTACLE IN WEATHERPROOF ENCLOSURE IN BACKSTOP WALL. HOMERUN WITH 2 #10, 1 #10 GND IN 1" CONDUIT.
- ⑮ PROVIDE GENERAL GFCI RECEPTACLE IN WEATHERPROOF ENCLOSURE ON FREE STANDING STRUCTURE. VERIFY FINAL LOCATION WITH OWNER OR OTHER EQUIPMENT INSTALLED IN THE AREA.
- ⑯ HOMERUN WITH 2 #10, 1 #10 GND IN 3/4" CONDUIT.
- ⑰ PROVIDE RECEPTACLES IN PEDESTAL. SEE DETAIL SHEET E10. COORDINATE ACTUAL RECEPTACLE/PLUG INSTALLED WITH OWNER FOOD TRUCK. VERIFY FINAL PEDESTAL LOCATION, HEIGHT, AND FINISH WITH OWNER.
- ⑱ FIELD LIGHTING CIRCUIT - HOMERUN THRU LIGHTING CONTROL CONTACTOR CABINET WITH 3 #8, 1 #10 GND IN 1" CONDUIT.
- ⑲ HOMERUN TO PANEL WITH 3 #6, 1 #10 GND IN 1" CONDUIT.
- Ⓢ SEE FIXTURE MOUNTING DETAIL SHEET E10. VERIFY LOCATION PRIOR TO ROUGH-IN.
- ⑳ UNDERGROUND SECONDARY SERVICE CONDUCTORS IN CONDUIT, FURNISHED AND INSTALLED BY GULF POWER COMPANY.
- ㉓ HOMERUN WITH 2 #10, 1 #10 IN 1" CONDUIT FOR ENTIRE BRANCH CIRCUIT. ⚠



**ELECTRICAL SITE PLAN**  
 SCALE: 1" = 20'-0"





**ELECTRICAL LEGEND**

Ceiling Outlets

- (A) (2) RECESSED 2' X 4' LED FIXTURE MARK "A" CIRCUIT No. 2 TYPICAL
- SURFACE MOUNTED OR SUSPENDED FLUORESCENT FIXTURE
- RECESSED DOWNLIGHT, SUSPENDED OR SURFACE MOUNTED LED FIXTURE
- ⊙ JUNCTION BOX

Wall Outlets

- ⊕ JUNCTION BOX WITH BLANK SCREW COVER AND FLEXIBLE CONDUIT CONNECTION
- ⊗ WALL MOUNTED EXIT LIGHT
- WALL MOUNTED LED LIGHT FIXTURE
- WALL MOUNTED LINEAR LED LIGHT FIXTURE
- ⊕ EMERGENCY LIGHT FIXTURE WITH BATTERY BACKUP
- ⊖ SINGLE RECEPTACLE - 20 AMP, 125 VOLT, 2 POLE, 3 WIRE GROUNDED TYPE, NEMA 5-20R. MOUNT 18" A.F.F. UNLESS INDICATED OTHERWISE.
- ⊖ DUPLEX RECEPTACLE - 20 AMP, 125 VOLT, 2 POLE, 3 WIRE GROUNDED TYPE, NEMA 5-20R. MOUNT 18" A.F.F. UNLESS INDICATED OTHERWISE.
- ⊖ DUPLEX RECEPTACLE - 20 AMP, 125 VOLT, 2 POLE, 3 WIRE GROUNDED TYPE, NEMA 5-20R. MOUNT ABOVE COUNTER OR 36" A.F.F. UNLESS INDICATED OTHERWISE.
- ⊖ DUPLEX RECEPTACLE - 20 AMP, 125 VOLT, 2 POLE, 3 WIRE GROUNDED TYPE, NEMA 5-20R. MOUNT UP IN TRUSS SYSTEM FOR A.V.
- ⊖ DOUBLE DUPLEX RECEPTACLE - 20 AMP, 125 VOLT, 2 POLE, 3 WIRE GROUNDED TYPE, NEMA 5-20R. MOUNT 18" A.F.F. UNLESS INDICATED OTHERWISE.
- ⊖ SINGLE RECEPTACLE - 30 AMP, 125/250 VOLT, 3 POLE, 4 WIRE GROUNDED TYPE, NEMA 14-30R WITH MATCHING PLUG. MOUNT 18" A.F.F.

Wall Switches (Mount 48" A.F.F. unless otherwise noted)

- S A.C. TYPE, SINGLE POLE, 20 AMP, 120/277 VOLT
- S<sub>3</sub> A.C. TYPE, 3-WAY, 20 AMP, 120/277 VOLT
- S<sub>a</sub> WALL SWITCH - CONTROLS OUTLET "a", ETC.
- S<sub>T</sub> LINE VOLTAGE DIGITAL SWITCH WITH INTEGRAL TIMER FOR AUTOMATIC SHUTOFF. WATTSTOPPER No. TS-400
- S<sub>DI</sub> LINE VOLTAGE SWITCH WITH INTEGRAL OCCUPANCY SENSOR. WATTSTOPPER No. DW-100
- S<sub>D</sub> DIGITAL NETWORK SWITCH WITH NUMBER OF PRESET BUTTONS AS INDICATED FOR LIGHTING CONTROL. VERIFY BUTTON QUANTITY AND FUNCTION WITH OWNER.

Branch Circuiting

- RUN EXPOSED PERPENDICULAR AND PARALLEL TO BUILDING LINES
- - - RUN CONCEALED UNDER FLOOR
- — — RUN CONCEALED IN CEILING OR WALLS
- MP-1 HOMERUN TO PANEL. ANY CIRCUIT WITHOUT FURTHER IDENTIFICATION INDICATES 2 #12, 1 #12 GROUND - 1/2" C, - 3 #12, 1 #12 GROUND - 1/2" C, - 4 #10, 1 #12 GROUND - 1/2" C, ETC. AS PER NEC. LETTERS AND NUMERALS INDICATE PANEL AND CIRCUIT NUMBER.
- ~ FLEXIBLE CONDUIT CONNECTION
- EMPTY CONDUIT WITH PULL CORD
- LOW VOLTAGE WIRING IN 1/2" CONDUIT CONCEALED ABOVE CEILING

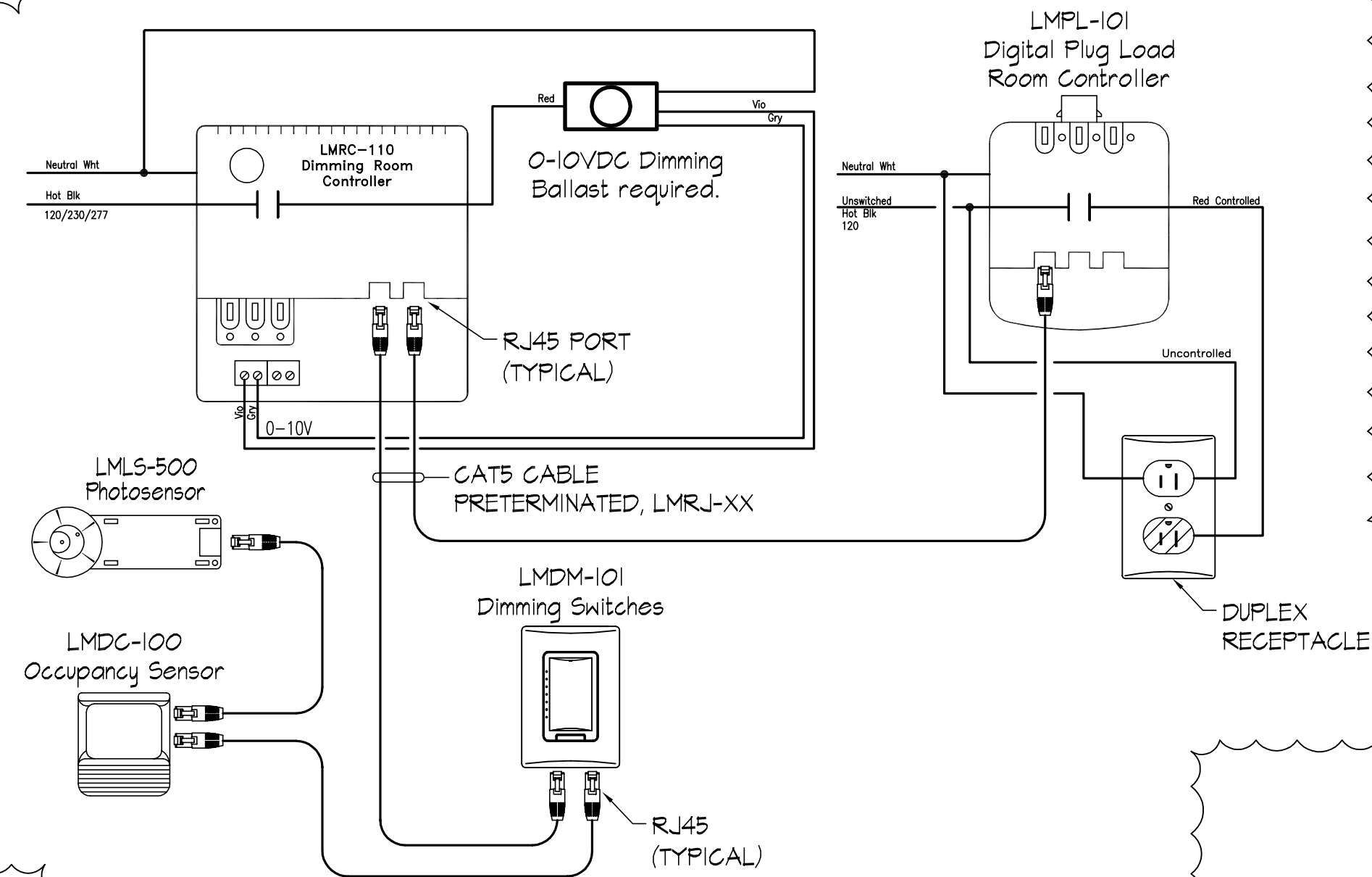
Panels and Power

- ▨ POWER PANELBOARD
- LIGHTING PANELBOARD
- S<sub>M</sub> TOGGLE TYPE MANUAL MOTOR CONTROLLER
- ⊖ EXHAUST FAN
- NON-FUSIBLE DISCONNECT SWITCH
- ⊖ MOTOR - SIZE AND CHARACTERISTICS AS NOTED
- ⊗ MOTOR CONTROLLER
- VFD ⊗ VARIABLE FREQUENCY DRIVE - PROVIDED BY OTHERS INSTALLED BY ELECTRICAL CONTRACTOR
- M HATHOUR DEMAND METER
- T DRY TYPE PAD MOUNTED TRANSFORMER
- SPD SURGE PROTECTIVE DEVICE

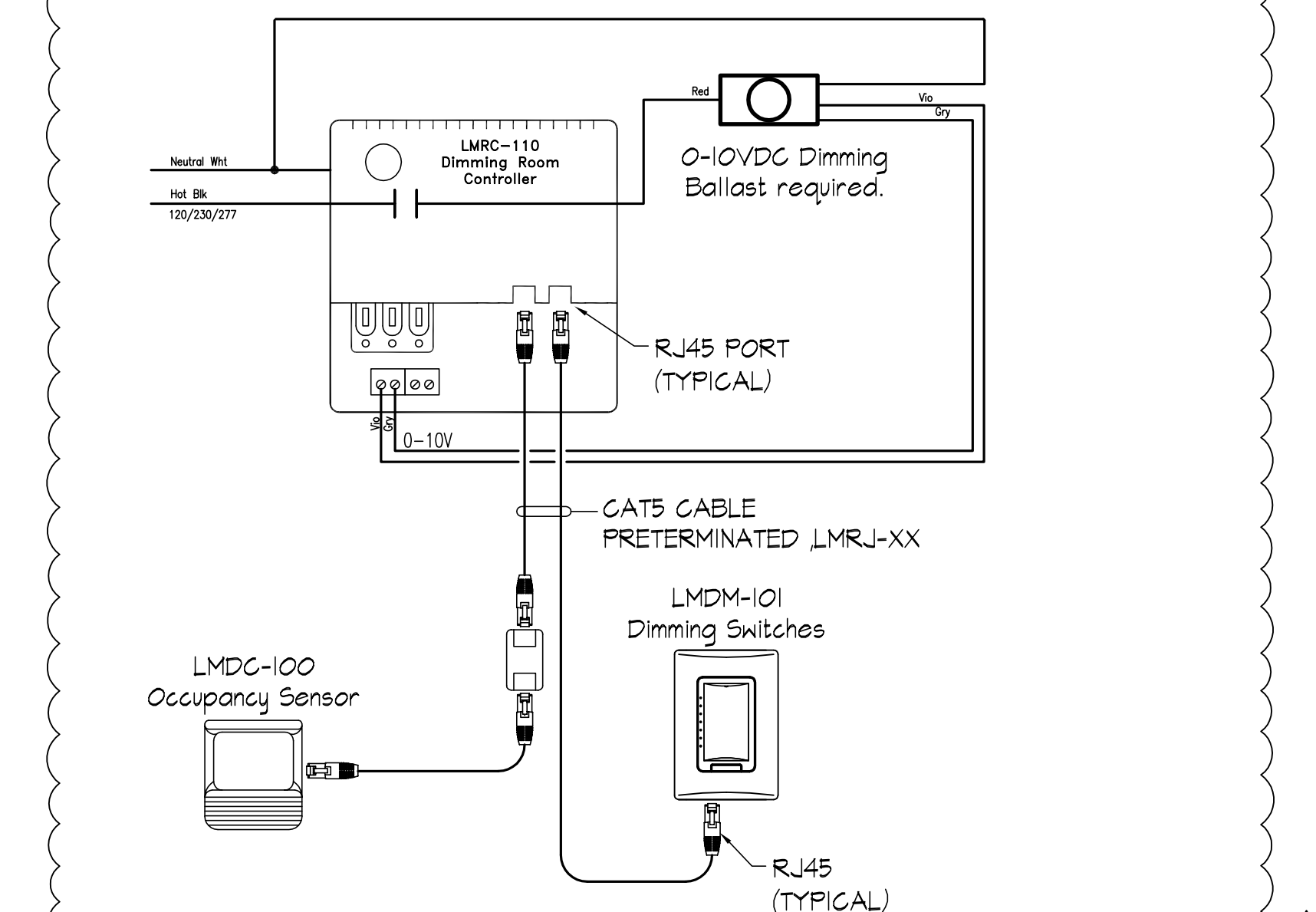
Miscellaneous

- A.F.F. ABOVE FINISH FLOOR
- WP WEATHERPROOF
- EWG ELECTRIC WATER COOLER
- G GROUND FAULT CIRCUIT INTERRUPTER
- TV TV RECEPTACLE - SEE TELCOM DRAWING FOR EXACT MOUNTING HEIGHT AND LOCATION
- (A) INDICATES FIXTURE MARK IN AREA SHOWN
- AG PROVIDE WITH ACRYLIC POLYCARBONATE GUARD
- WG PROVIDE WITH WIRE GUARD

- ⊖ DUAL TECHNOLOGY CEILING MOUNTED OCCUPANCY SENSOR WATTSTOPPER No. LMDG-100
- ⊖ LINE VOLTAGE DUAL TECHNOLOGY CEILING MOUNTED OCCUPANCY SENSOR WATTSTOPPER No. DT-355
- ⊖ DAYLIGHT SENSOR CEILING MOUNTED, LOW VOLTAGE WATTSTOPPER No. LMLS-500
- ⊖ LIGHTING CONTROL PANEL - SEE LIGHTING CONTROL PANEL DETAIL "C", SHEET E3
- ⊖ WIRELESS PARKING LOT LIGHTING CONTROL SYSTEM - WATTSTOPPER No. 225CWS
- ⊖ LIGHTING CONTROL ROOM MODULE - SEE LIGHTING CONTROL MODULE WIRING DIAGRAMS THIS SHEET



TYPICAL LIGHTING CONTROL WIRING DIAGRAM "A"  
 NOT TO SCALE (OFFICE)



TYPICAL LIGHTING CONTROL WIRING DIAGRAM "B"  
 NOT TO SCALE (LOCKER ROOM)

**GENERAL NOTES**

1. THE ELECTRICAL WORK TO BE PROVIDED SHALL COVER THE FURNISHING OF EQUIPMENT AND MATERIALS, THE PERFORMANCE OF ALL LABOR WITH SUPERVISION, THE BEARING OF ALL EXPENSE, ALL AS NECESSARY FOR THE SATISFACTORY COMPLETION OF ALL WORK READY FOR OPERATION AS SHOWN ON THE DRAWINGS.
2. THE INSTALLATION SHALL COMPLY WITH ALL STATE, LOCAL CODES, LAWS AND ORDINANCES APPLICABLE TO ELECTRICAL WORK, N.F.P.A. LIFE SAFETY CODE, STANDARD BUILDING CODE AND THE NATIONAL ELECTRICAL CODE.
3. PANELBOARDS SHALL BE CIRCUIT BREAKER TYPE WITH KEYPED LOCK ON DOOR. PROVIDE EACH NEW AND EXISTING PANEL WITH TYPE WRITTEN DIRECTORY TO INDICATE LOAD SERVED BY EACH BREAKER. CIRCUIT BREAKERS SHALL BE UL 489 THERMAL MAGNETIC-TYPE WITH SHORT CIRCUIT INTERRUPTING CAPACITIES INDICATED IN PANEL SCHEDULE.
4. ALL INSIDE WORK SHALL BE INSTALLED IN CONDUIT CONCEALED TYPE CONSTRUCTION. CONDUITS SHALL NOT BE RUN EXPOSED ON CONCRETE BLOCK WALLS ON FINISHED SPACES.
5. GALVANIZED RIGID STEEL OR IMC SHALL BE INSTALLED IN WET OR DAMP LOCATIONS AND EXPOSED OUTSIDE. MINIMUM 1/2" DIAMETER.
6. THINWALL (EMT) CONDUIT MAY BE USED INSIDE. MINIMUM 3/4" DIAMETER.
  - a. COUPLINGS AND CONNECTORS FOR USE WITH EMT SHALL BE ALL STEEL COMPRESSION TYPE.
  - b. CONDUIT FITTINGS SHALL BE ZINC COATED.
  - c. CONDUIT SHALL BE SECURELY FASTENED TO ALL OUTLET BOXES OR CABINETS WITH LOCKNUTS AND BUSHINGS OF APPROVED MAKE.
  - d. ALL JUNCTION BOXES SHALL HAVE CIRCUIT NUMBER IDENTIFIED ON COVER AND COLOR-CODED AS FOLLOWS:  
 ORANGE - 480Y/277 VOLT  
 BLUE - 208Y/120 VOLT  
 RED - FIRE ALARM
7. CONDUCTORS SHALL BE MINIMUM #12 AWG SOLID COPPER WITH TYPE THW, THHN OR THWN 600 VOLT INSULATION.
8. OUTLET BOXES SHALL BE 4" SQUARE, GALVANIZED, NOT LESS THAN 1-5/8" DEEP.
9. RECEPTACLES: RECEPTACLES SHALL BE FURNISHED AND INSTALLED WHERE SHOWN ON THE DRAWINGS AND SHALL BE HEAVY DUTY SPECIFICATION GRADE AND SHALL BE RATED 20 AMP, 125 VOLT, 2 POLE, 3 WIRE, HUBBELL "CR" SERIES OR APPROVED EQUAL.
10. WALL PLATES: ALL SWITCH, RECEPTACLE, AND EMPTY CONDUIT SYSTEM OUTLET PLATES, UNLESS OTHERWISE NOTED, SHALL BE STAINLESS STEEL.
11. ALL LIGHTING FIXTURES SHALL BE COMPLETE WITH AUXILIARIES, ACCESSORIES, HANGERS, SUPPORTS,
12. SAFETY SWITCHES SHALL BE HEAVY DUTY TYPE 600 VOLT WITH NUMBER OF POLES AND AMPERE RATING AS INDICATED.
13. ALL MATERIALS AND EQUIPMENT SHALL BE NEW, OF QUALITY SPECIFIED, AND AS LISTED IN PRINTED CATALOGS OF THE MANUFACTURER. UNLESS OTHERWISE SPECIFIED, ALL ITEMS SHALL HAVE THE MANUFACTURER'S STANDARD FINISH.
14. THE CONTRACTOR SHALL AFFIRM WITH GULF POWER COMPANY THAT THE LOCATION, ARRANGEMENT AND CONNECTION TO THE ELECTRICAL UTILITY SERVICE, AS WELL AS REQUIRED METERING EQUIPMENT, IS IN ACCORDANCE WITH THE REQUIREMENTS OF THE GULF POWER COMPANY.
15. THE CONTRACTOR SHALL COORDINATE SIZES INDICATED FOR ELECTRICAL COMPONENTS SUCH AS CIRCUIT BREAKERS, DISCONNECTS, AND FEEDERS WITH THE REQUIREMENTS FOR EQUIPMENT ACTUALLY PROVIDED.
16. IN ACCORDANCE WITH NFPA 70, GROUND EXPOSED NON-CURRENT-CARRYING METALLIC PARTS OF ELECTRICAL EQUIPMENT, METALLIC RACEWAYS, GROUNDING CONDUCTOR IN METALLIC RACEWAYS, AND NEUTRAL CONDUCTOR OF WIRING SYSTEMS. MAXIMUM RESISTANCE-TO-GROUND OF GROUNDING SYSTEM SHALL NOT EXCEED 25-ohms UNDER DRY CONDITIONS.



## LIGHTING FIXTURE SCHEDULE

MARK	MANUFACTURER & CATALOG No.	LAMPS		MOUNTING	DESCRIPTION
		No.	TYPE		
D1	LITHONIA No. LDN6 35/10 L06 WR L55 MVOLT WL	-	10.2W LED 3500K	RECESSED	NOMINAL 6" RECESSED LED DOWNLIGHT WITH 1000 LUMEN OUTPUT AT 3500K, COMFORT CLEAR REFLECTOR WITH WHITE FLANGE, UNIVERSAL VOLTAGE DRIVER, WET LOCATION LISTED.
E	PHILIPS No. CXXL3RW	-	LED	UNIVERSAL	NOMINAL LED EXIT LIGHT FIXTURE WITH UNIVERSAL MOUNTING, UNIVERSAL FACES, WHITE THERMOPLASTIC HOUSING WITH EMERGENCY BATTERY BACKUP WITH SELF TEST FEATURE.
EM	LITHONIA No. ELM2LEDSD	-	LED	WALL MOUNT 8'-0" A.F.F.	NOMINAL LED EMERGENCY FIXTURE, DAMP LOCATION LISTED WITH EMERGENCY BATTERY BACKUP AND SELF TEST FEATURE. MEETS EGRESS 6' PATH REQUIREMENTS WITH 20' SPACING.
G1	LITHONIA No. TL4 20L FW A19 LP835 (D6A14)	-	15.3W LED 3500K	RECESSED	NOMINAL 1X4 RECESSED LENSED LED TROFFER WITH 0.156" THICK ACRYLIC LENS, STANDARD DRIVER, 2000 LUMEN OUTPUT. PROVIDE WITH HARD CEILING ADAPTER KIT WHERE NECESSARY.
G2	LITHONIA No. TL4 30L FW A19 LP835 (D6A14)	-	15.3W LED 3500K	RECESSED	SIMILAR TO FIXTURE MARK G1 EXCEPT 3000 LUMEN OUTPUT.
G3	LITHONIA No. 2TL4 30L FW A19 LP835 (D6A24)	-	15.3W LED 3500K	RECESSED	NOMINAL 2X4 RECESSED LENSED LED TROFFER WITH 0.156" THICK ACRYLIC LENS, STANDARD DRIVER, 2000 LUMEN OUTPUT. PROVIDE WITH HARD CEILING ADAPTER KIT WHERE NECESSARY.
M1	LITHONIA No. ZL2N L48 3000LM MDD MVOLT 35K 80CRI	-	28W LED 3500K	SURFACE MOUNT	NOMINAL 4' LED SURFACE OR PENDANT MOUNT FIXTURE WITH 3000 LUMEN OUTPUT AT 3500K, UNIVERSAL VOLTAGE DRIVER, AND WIRE GUARD.
M2	LITHONIA No. ZL2N L48 3000LM MDD MVOLT 35K 80CRI	-	48W LED 3500K	SURFACE MOUNT	SIMILAR TO FIXTURE MARK "M1" EXCEPT 4800 LUMEN OUTPUT.
R1	LITHONIA No. 2ALL4 48L E21 LP835 (D6A24)	-	30W LED 3500K	RECESSED	ARCHITECTURAL 2' X 4' LED VOLUMETRIC TROFFER WITH HINGED DOOR FRAME, FROSTED ACRYLIC LENS, 4800 LUMEN OUTPUT AT 3500K, UNIVERSAL VOLTAGE DRIVER.
S1	LITHONIA No. TLX4 30L FW A19 LP835	-	30W LED 3500K	RECESSED	NOMINAL 1X4 SURFACE MOUNT LENSED LED TROFFER WITH 0.156" THICK ACRYLIC LENS, STANDARD DRIVER, 2000 LUMEN OUTPUT.
SM1	KENALL No. MLHA8 24F XX PP 25L35 DDC DV DL	-	40W LED 3500K	SURFACE MOUNT	VANDAL RESISTANT 1X2 LED SURFACE MOUNTED FIXTURE WITH OPAL ACRYLIC LENS, 2500 LUMEN OUTPUT AT 3500K, UNIVERSAL VOLTAGE DRIVER. VERIFY FINISH WITH OWNER.
WBI	KENALL No. MLHA8 24F XX PP 25L35 DDC DV DL	-	54W LED 3500K	WALL MOUNT 8'-0" A.F.F. OR ABOVE MIRROR	SIMILAR TO FIXTURE MARK SM1 EXCEPT WALL MOUNT
WPI	LITHONIA No. D5WX1 LED 10C 530 40K T3M MVOLT	-	36W LED 4000K	WALL MOUNT 10'-0" A.F.F.	LED WALL MOUNT LED LOT FIXTURE TYPE 3 DISTRIBUTION, 3000LUMEN OUTPUT AT 4000K, UNIVERSAL VOLTAGE DRIVER, VERIFY FINISH WITH OWNER/ARCHITECT.
WP2	LITHONIA No. D5WX1 LED 10C 530 40K T3M MVOLT-PE	-	36W LED 4000K	WALL MOUNT 10'-0" A.F.F.	SIMILAR TO FIXTURE MARK WPI EXCEPT WITH INTEGRAL PHOTOCELL.
*PLE	LITHONIA No. D5X2 LED 100C 700 40K MVOLT RPA PERT SF (FINISH) POLE: RTA 30 106 (FINISH)	-	35W LED 4000K	POLE MOUNT 30'-0" A.F.F.	OWNER FURNISHED CONTRACTOR INSTALLED. LED POLE MOUNT LIGHT FIXTURE TYPE 3 DISTRIBUTION AND WATTSTOPPER No. NNTL-III-IP WIRELESS CONTROLS.
PA	LITHONIA No. D5X0 LED 20C 530 40K T15 MVOLT RPA PERT SF (FINISH) POLE: RSA-12-4C (FINISH)	-	35W LED 4000K	POLE MOUNT 12'-0" A.F.F.	LED POLE MOUNT PEDESTRIAN LIGHT FIXTURE, TYPE T1 DISTRIBUTION, 4380 LUMEN AT 4000K. VERIFY FINISH WITH OWNER. PROVIDE WITH WATTSTOPPER No. NNTL-III-IP CONTROLLER.
PB	LITHONIA No. D5X0 LED 20C 530 40K T5M MVOLT RPA PERT SF (FINISH) POLE: RSA-12-4C (FINISH)	-	35W LED 4000K	POLE MOUNT 12'-0" A.F.F.	SIMILAR TO FIXTURE MARK PA EXCEPT TYPE 5 DISTRIBUTION AND 4734 LUMEN OUTPUT.
FL	LITHONIA No. D5XF3 LED 6 P2 40K MFL MVOLT YK682 FTSC66 UBV V6 XX	-	183W LED 4000K	POLE MOUNT 3'-0" A.F.F.	NOMINAL LED FLOOD LIGHT FIXTURE WITH DIE CAST ALUMINUM HOUSING, VANDAL GUARD, VISOR, IP66 RATED, WITH 17000 LUMEN OUTPUT AT 4000K TEMP. VERIFY 50' CORD LENGTH.
C1	LUMENPULSE No. LBL 271 40K NF LSL XX NO SY XX PM4-1	-	50W LED 4000K	POLE MOUNT 1'-0" BELOW SHADE ATTACH.	NOMINAL LED FLOOD LIGHT FIXTURE WITH DIE CAST ALUMINUM HOUSING, CLEAR TEMPERED GLASS, IP66 RATED WITH 2600 LUMEN OUTPUT AT 4000K TEMP. VERIFY 50' CORD LENGTH.
C2	ECOSENSE No. L50-1-48-12-40-80-MULT-25X45	-	48W LED 4000K	ROOF MOUNT ON PRESS BOX SEE DETAIL	NOMINAL LINEAR LED FLOOD LIGHT FIXTURE WITH EXTRUDED ALUMINUM HOUSING, INTEGRAL CONNECTORS, IP66 RATED WITH 3700 LUMEN OUTPUT AT 4000K TEMP. VERIFY CABLES LENGTHS.

\* EXISTING LIGHT FIXTURE FURNISHED BY OWNER, CONTRACTOR INSTALLED.

### General Notes:

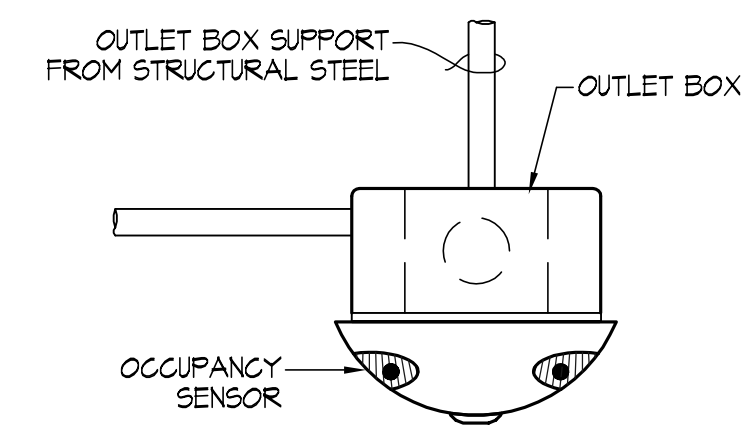
LIGHTING CONTROLS SHALL MEET FLORIDA BUILDING CODE 2014 REQUIREMENTS. CONTRACTOR SHALL PROVIDE PROGRAMMING AS DIRECTED BY OWNER. CONTRACTOR SHALL SET UP A PRE-CONSTRUCTION COMMISSIONING MEETING TO ENSURE ALL DEVICES INSTALLED WILL MEET THE NEEDS OF THE OWNER, FINALIZE DIGITAL SWITCH PROGRAMMING BUTTONS, AND FINALIZE TIME CLOCK SCHEDULING.

## LIGHTING CONTROL PROGRAM SCHEDULE

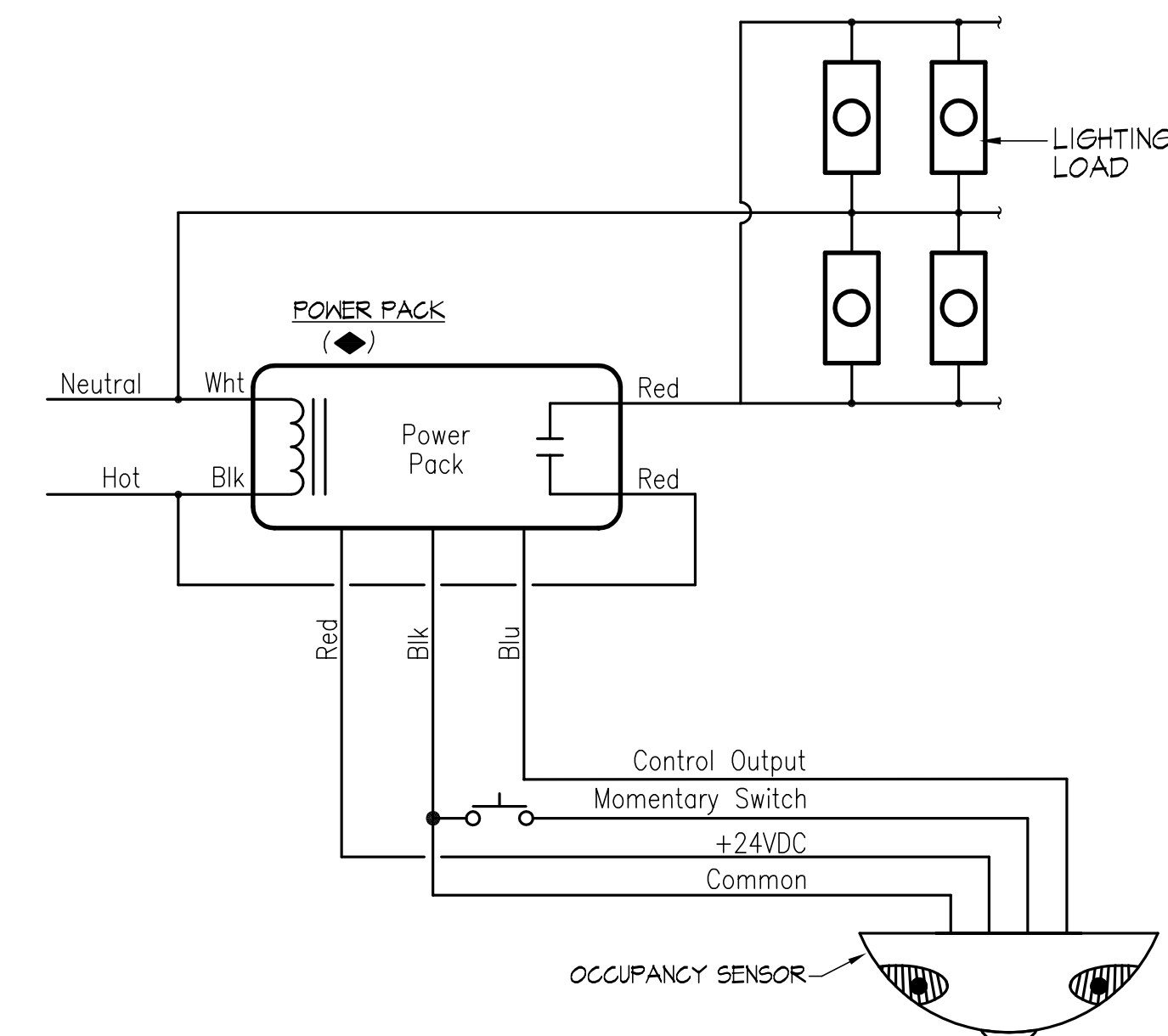
RELAY No.	CIRCUIT	DESCRIPTION	GROUP SWITCH CARD		REMARKS
			CHANNEL	FUNCTION	
1	LA-5	FLAG POLE LIGHTING	"a"	ON - OFF	PUSH BUTTON CONTROL AND TIME CLOCK FOR SPECIAL EVENTS.
2	LA-6	CANOPY LIGHTING	"b"	ON - OFF	PUSH BUTTON CONTROL AND TIME CLOCK FOR SPECIAL EVENTS.
3	LA-2	EXTERIOR WALL PACK LIGHTING	"c"	ON - OFF	PHOTOCELL ON AT DUSK, TIME PROGRAM OFF, DAY LIGHT SENSOR OVERRIDE
4	-	-	-	ON - OFF	
5	-	-	-	ON - OFF	
6	-	-	-	ON - OFF	
7	-	-	-	ON - OFF	
8	PA-1	OFFICE RECEPTACLES	-	ON - OFF	

### Key Notes: LIGHTING CONTROL PANEL DETAIL

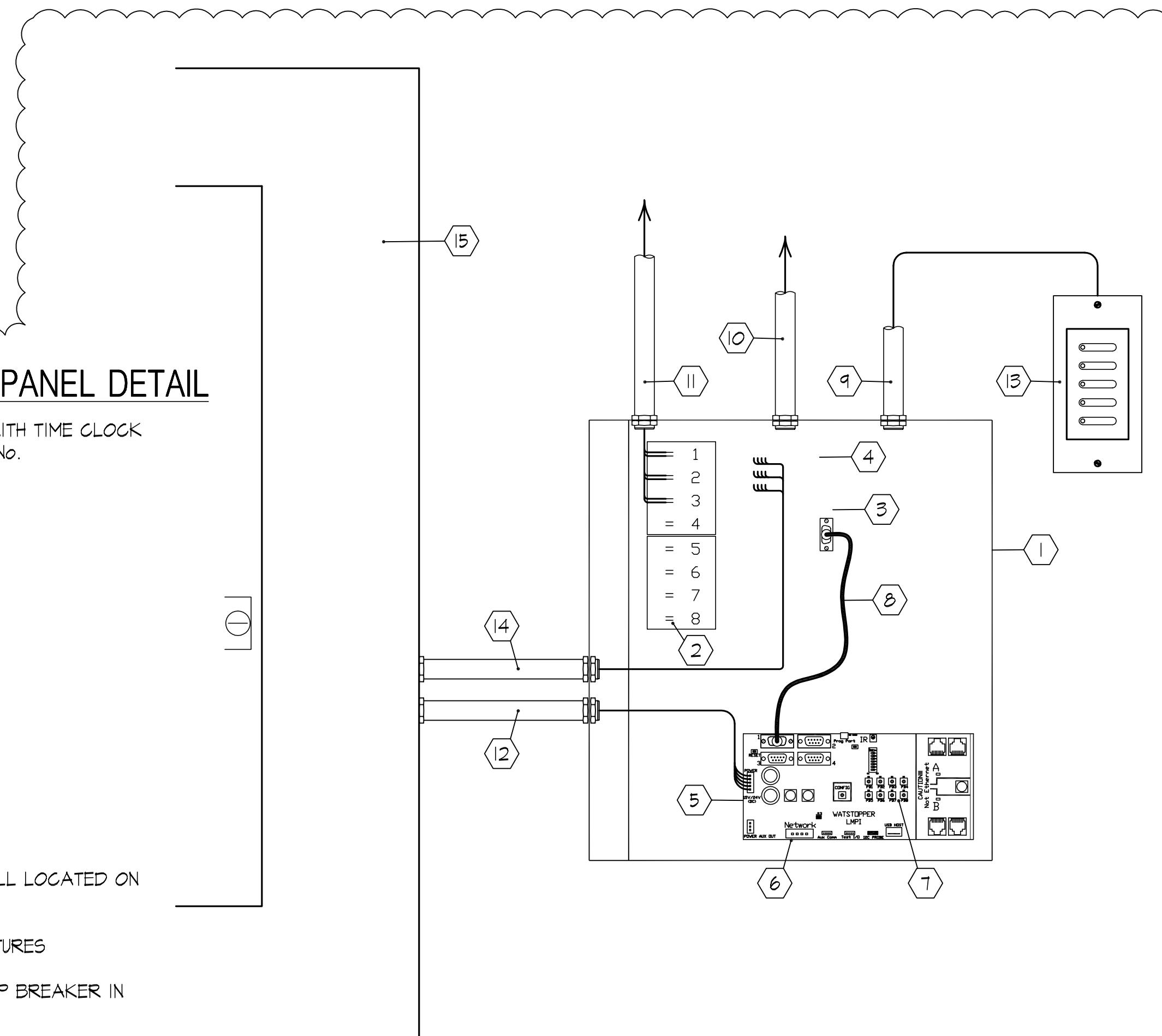
- ① LIGHTING CONTROL PANEL & RELAY PANEL WITH TIME CLOCK AND PHOTO CELL CONTROL. WATTSTOPPER No. LMCP8-115/271-8HDR-27T-LENC85.
- ② HDR RELAY
- ③ RELAY DRIVER BOARD
- ④ RELAY OVERRIDE BUTTON
- ⑤ DLM NETWORK CONNECTIONS
- ⑥ BACNET MS/TP CONNECTION
- ⑦ GROUB 1-8 BUTTONS
- ⑧ DB9 CABLE
- ⑨ LOW VOLTAGE CONTROL WIRES TO KEYPAD
- ⑩ LOW VOLTAGE CONTROL WIRES TO PHOTOCELL LOCATED ON ROOF
- ⑪ CONDUIT AND CONDUCTORS TO LIGHTING FIXTURES
- ⑫ 2 #12, 1 #12 GND IN 3/4" CONDUIT FROM 20A/1P BREAKER IN PANEL FOR 277 VOLT CONTROL POWER
- ⑬ DIGITAL KEYPAD
- ⑭ LIGHTING BRANCH CIRCUIT CONDUCTORS IN CONDUIT
- ⑮ PANEL "LA" - 480/277 VOLT, 3 PHASE, 4 WIRE



**CEILING MOUNT OCCUPANCY  
SENSOR MOUNTING DETAIL**  
NOT TO SCALE



**TYPICAL LINE VOLTAGE LIGHTING CONTROL DIAGRAM  
OCCUPANCY SENSOR NO LOCAL SWITCHING**  
NOT TO SCALE



**LIGHTING CONTROL PANEL DETAIL "C" - TYPICAL**  
NOT TO SCALE

CONSULTANTS:



**FLORIDA  
ARCHITECTS**  
LICENSE #AA0002730



CLIENT:

**GULF COAST STATE  
COLLEGE**

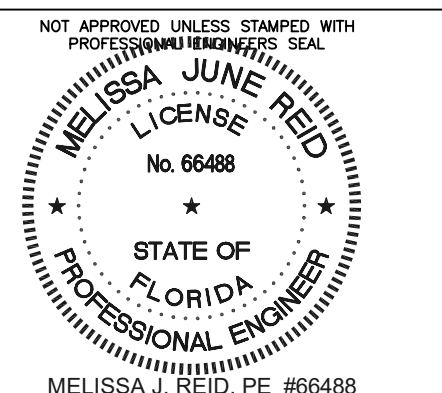
5230 US-98  
PANAMA CITY,  
FLORIDA 32401  
850.169.1551  
gulfoast.edu

PROJECT:

**GCSC SOFTBALL  
COMPLEX**

**Premier**  
Engineering Group, LLC

410 W. 14th Street, Suite A, Panama City, Florida 32404  
Florida Certificate of Authorization #2008  
Phone: (904) 934-1100 Fax: (904) 934-0900  
Premier Project #17013



RELEASE:

CONSTRUCTION DOCUMENTS

SCALE:  
As indicated

DATE:  
05/04/2017

DRAWN:  
T. A. BOLTON

CHECKED:  
M. J. REIDY

NO. REVISION:  
1

DATE:  
6-1-17

SHEET TITLE:

**LIGHTING FIXTURE  
SCHEDULE**

PROJECT NO.  
**4226**

SHEET  
**E3**



CONSULTANTS:



FLORIDA ARCHITECTS  
 LICENSE #AA0002730

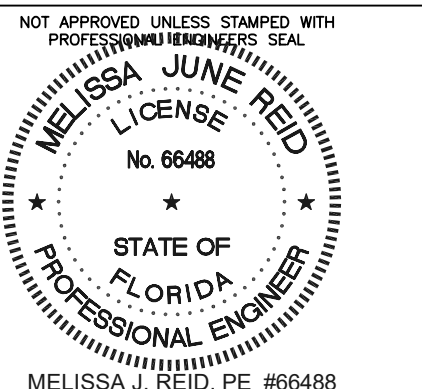


CLIENT:

GULF COAST STATE COLLEGE

5230 US-98  
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 gulfoast.edu

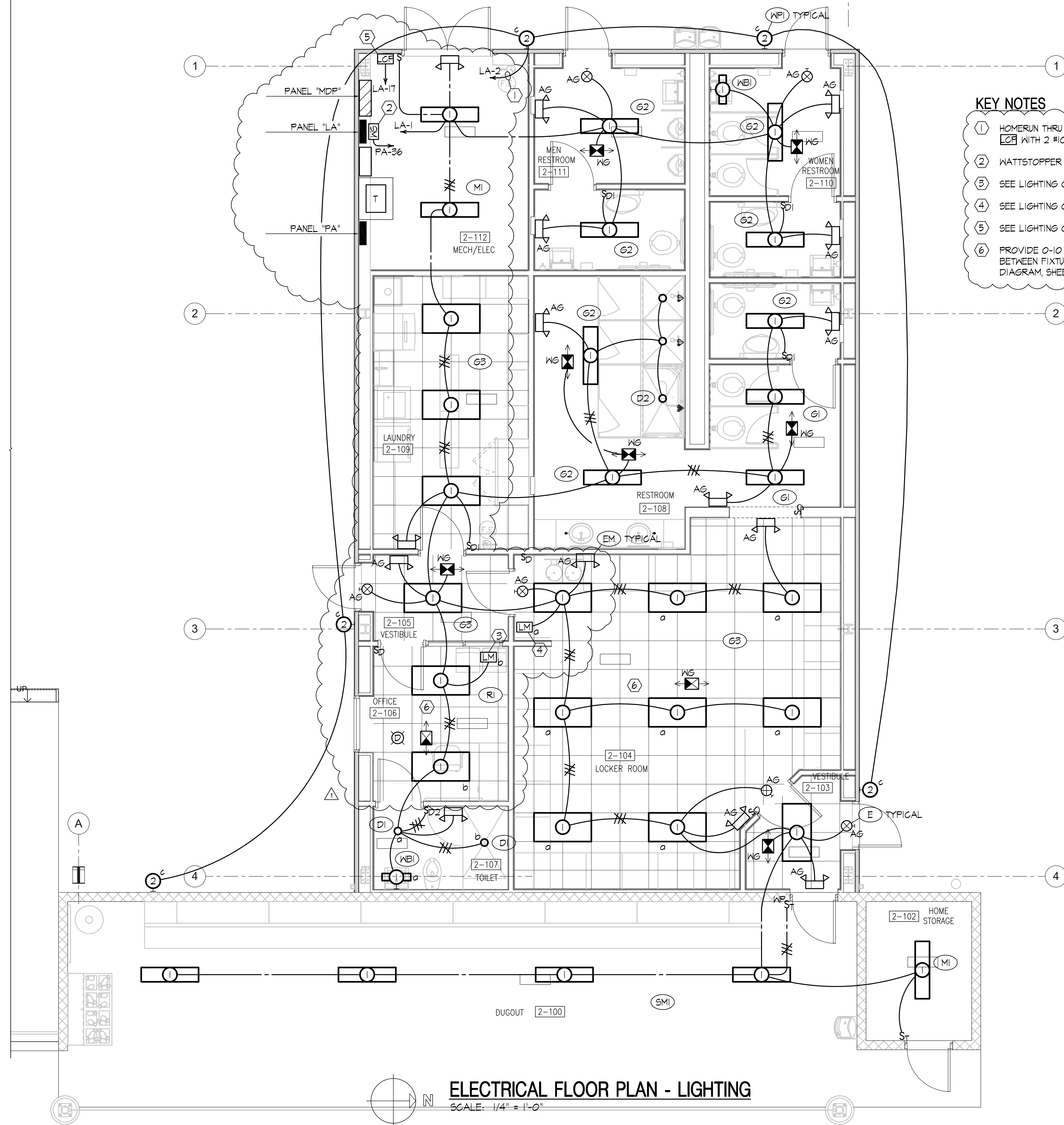
PROJECT:  
 GCSC SOFTBALL  
 COMPLEX



RELEASE:  
 CONSTRUCTION DOCUMENTS

SCALE: As indicated	DATE: 05/04/2017
DRAWN: T. A. BOLTON	CHECKED: M. J. REID
NO. 1	DATE: 6-1-17

SHEET TITLE:  
**ELECTRICAL HOME  
 LOCKER FACILITY**  
 PROJECT NO. 4226 SHEET E5



**KEY NOTES**

- HOMERUN THRU ONE (1) ZONE ON LIGHTING CONTROL MODULE WITH 2 #10, 1 #10 GND IN 3/4" CONDUIT.
- WATTSTOPPER WIRELESS LIGHTING CONTROL SYSTEM
- SEE LIGHTING CONTROL WIRING DIAGRAM "A" SHEET E2
- SEE LIGHTING CONTROL WIRING DIAGRAM "B" SHEET E2
- SEE LIGHTING CONTROL WIRING DIAGRAM "C" SHEET E3
- PROVIDE 0-10 VOLT DIMMING CONTROL WIRES IN CONDUIT BETWEEN FIXTURES. SEE LIGHTING CONTROL WIRING DIAGRAM, SHEET E3.

**ELECTRICAL FLOOR PLAN - LIGHTING**  
 SCALE: 1/4" = 1'-0"

- NOTES**
- CONNECT ALL EXIT AND EMERGENCY LIGHTING TO THE NORMAL LIGHTING CIRCUIT IN THE AREA SERVED AHEAD OF ANY SWITCHING OR LIGHTING CONTROLS.
  - PROVIDE EACH OCCUPANCY SENSOR IN STUDENT AREAS WITH A WIRE GUARD. PROVIDE EACH EXIT AND EMERGENCY LIGHT IN STUDENT AREAS WITH A POLYCARBONATE ACRYLIC GUARD.







