DAVIS ARCHITECTS, INC.
120 Twenty-third Street South, Birmingham, AL 35233

Job No. 3891.02
April 13, 2020

ADDENDUM NUMBER FOUR (Revision 2)
TO THE CONTRACT DOCUMENTS FOR CONSTRUCTION OF
ORANGE BEACH RECREATION COMPLEX NEW ADULT FITNESS CENTER
CITY OF ORANGE BEACH

This addendum forms a part of the Contract Documents and modifies the Bid Documents dated February 14, 2020.

This Addendum consists of three (3) page Addendum, three (3) Specifications, & seventeen (17) full-size sheets.

GENERAL

ITEM 01 BID DATE

BID DATE of **MARCH 26, 2020** still remains **APRIL 16, 2020** with a **NOTICE OF AWARD** tentatively set to **APRIL 22, 2020**.

SPECIFICATIONS

ITEM 01 SPECIFICATIONS REVISED

Reissued the following Specification(s) in its entirety.

1. Section 000110 – Table of Contents
2. Section 263613 – ENCLOSED TRANSFER SWITCH

ITEM 01 SPECIFICATIONS ADDED

Added the following Specification(s) in its entirety.

1. Section 262416 – PANELBOARDS

DRAWINGS

CIVIL DRAWINGS:

ITEM 01 SHEET C300 – GRADING & DRAINAGE PLAN

Reissue Sheet in its entirety.

1. Added note for number and location of HC parking signage.
2. Added Sign symbol locations for HC parking spaces.

ITEM 02 SHEET C701 – CIVIL CONSTRUCTION DETAILS – 2

Reissue Sheet in its entirety.

1. Added Van Accessible HC Stall Detail

ARCHITECTURAL DRAWINGS:

ITEM 01 SHEET A260 – DOOR SCHEDULE AND ELEVATIONS

Reissue Sheet in its entirety.

1. Reworked all Head/Jamb details and noting.
2. Repositioned and renumbered Head/Jamb details to make necessary space on the sheet. Added Head/Jamb Details at entry, vestibule and storefront condition at multi fitness spaces.
3. Updated Storefront elevations to include detail references.
4. Updated Door Schedule to reflect updated head jamb detail references.
5. Add general note to Door Schedule - Notes

6. Corrected Door height to Door 04B-1

ITEM 02 SHEET A350 – WALL SECTIONS

Reissue Sheet in its entirety.

1. Added general note for PEMB Manufacturer/GC on each detail.

ITEM 03 SHEET A351 – WALL SECTIONS

Reissue Sheet in its entirety.

1. Added general note for PEMB Manufacturer/GC on each detail.

ITEM 04 SHEET A352 – WALL SECTIONS

Reissue Sheet in its entirety.

1. Added general note for PEMB Manufacturer/GC on each detail.

ITEM 05 SHEET A353 – WALL SECTIONS

Reissue Sheet in its entirety.

1. Added general note for PEMB Manufacturer/GC on each detail.

ITEM 06 SHEET A530 – INTERIOR DETAILS

Reissue Sheet in its entirety.

2. Revised notes in Details J7 & J13

ITEM 07 SHEET A650 – ENLARGED RCP & CEILING DETAILS

Reissue Sheet in its entirety.

1. Updated detail D1 to better reflect requirements and design intent.

STRUCTURAL DRAWINGS:

ITEM 01 SHEET S002 – TYPICAL DETAILS

Reissue Sheet in its entirety.

1. Revised Typical Loose Lintel Detail.
2. Added Typical Slab Recess @ Slab on Grade Details.

ITEM 02 SHEET S101 – FOUNDATION AND LEVEL 1 PLAN

Reissue Sheet in its entirety.

1. Revised noting for detail 4.

MECHANICAL DRAWINGS:

ITEM 01 SHEET M101 – LEVEL 1 HVAC PLAN

Reissue Sheet in its entirety.

1. ADA mounting height of 48” AFF for the thermostatic controls has been revised specified on the drawings.

PLUMBING DRAWINGS:

ITEM 01 SHEET P100 –PLUMBING NOTES, SCHEDULES, LEGENDS

Reissue Sheet in its entirety.

1. Added Identify mixing valves at showers. Type Marks SH-1 and SH-2 were added to Plumbing Fixture Schedule.
2. Added additional ADA information to SK-1 plumbing fixture description.

ITEM 02 SHEET P101 – LEVEL 1 PLUMBING PLAN

Reissue Sheet in its entirety.

1. Added Type Marks SH-1 and SH-2 to showers in Locker 01A and Locker 02A.

FIRE PROTECTION DRAWINGS:

ITEM 01 SHEET F102 – FIRE ALARM PLAN

Reissue Sheet in its entirety.

1. Added a weather proof alarm horn strobe adjacent to the entry into the sauna, which is visible thru window on sauna door.

ELECTRICAL DRAWINGS:

ITEM 01 SHEET E100 – ELECTRICAL LEGENDS, NOTES, SCHEDULES

Reissue Sheet in its entirety.

1. Revised Type Marks SP-IC AND EPS on Legend.

ITEM 02 SHEET E301 – LEVEL 1 – SYSTEMS PLAN

Reissue Sheet in its entirety.

1. Revised Junction box location at Check-In 00.
2. Revised Intercom/Access/Emergency Call System Diagram.
3. Added Security Camera System Diagram.
4. Added Key Note 5.

END OF ADDENDUM

SECTION 00 0110

TABLE OF CONTENTS

END OF SECTION

SECTION 262416 - PANELBOARDS

PART 1 GENERAL

1.1 SUMMARY

A. Section Includes:
   1. Distribution and branch circuit panelboards.

1.2 REFERENCE STANDARDS

A. Institute of Electrical and Electronics Engineers:
   1. IEEE C62.41 - Recommended Practice on Surge Voltages in Low-Voltage AC Power Circuits.

B. National Electrical Manufacturers Association:
   1. NEMA FU 1 - Low Voltage Cartridge Fuses.
   2. NEMA ICS 2 - Industrial Control and Systems: Controllers, Contactors, and Overload Relays, Rated Not More Than 2000 Volts AC or 750 Volts DC.
   3. NEMA ICS 5 - Industrial Control and Systems: Control Circuit and Pilot Devices.
   4. NEMA KS 1 - Enclosed and Miscellaneous Distribution Equipment Switches (600 Volts Maximum).
   5. NEMA PB 1 – Panelboards.
   6. NEMA PB 1.1 - General Instructions for Proper Installation, Operation, and Maintenance of Panelboards Rated 600 Volts or Less.

C. International Electrical Testing Association:
   1. NETA ATS - Acceptance Testing Specifications for Electrical Power Distribution Equipment and Systems.

D. National Fire Protection Association:
   1. NFPA 70 - National Electrical Code.

E. Underwriters Laboratories Inc.:
   1. UL 50 - Cabinets and Boxes
   2. UL 67 - Safety for Panelboards.
   3. UL 489 - Molded-Case Circuit Breakers, Molded-Case Switches, and Circuit-Breaker Enclosures.
   4. UL 1699 - Arc-Fault Circuit Interrupters.

1.3 SUBMITTALS

A. Product Data: Submit catalog data showing specified features of standard products.

B. Shop Drawings: Indicate outline and support point dimensions, voltage, main bus ampacity, integrated short circuit ampere rating, circuit breaker and fusible switch arrangement and sizes.

1.4 CLOSEOUT SUBMITTALS

A. Project Record Documents: Record actual locations of panelboards and record actual circuiting arrangements.

B. Operation and Maintenance Data: Submit spare parts listing; source and current prices of replacement parts and supplies; and recommended maintenance procedures and intervals.

1.5 MAINTENANCE MATERIAL SUBMITTALS

A. Extra Stock Materials:
1. Furnish two of each panelboard key. Panelboards keyed alike.

PART 2 PRODUCTS

2.1 DISTRIBUTION PANELBOARDS

A. Acceptable manufacturers include: Siemens, Eaton, ABB, Square D, Allen Bradley or owner approved substitute.

B. Description: NEMA PB 1, circuit breaker type panelboard.

C. Operation:
1. Minimum integrated short circuit rating: as indicated on Drawings.

D. Materials:
1. Panelboard Bus: Copper, current carrying components**, ratings as indicated on Drawings.** Furnish copper ground bus in each panelboard.
2. Molded Case Circuit Breakers: UL 489, circuit breakers with integral thermal and instantaneous magnetic trip in each pole. Furnish circuit breakers UL listed as Type HACR for air conditioning equipment branch circuits.
3. Molded Case Circuit Breakers with Current Limiters: UL 489, circuit breakers with replaceable current limiting elements, in addition to integral thermal and instantaneous magnetic trip in each pole.
4. Current Limiting Molded Case Circuit Breakers: UL 489, circuit breakers with integral thermal and instantaneous magnetic trip in each pole, coordinated with automatically resetting current limiting elements in each pole. Interrupting rating 100,000 symmetrical amperes, let-through current and energy level less than permitted for same size NEMA FU 1, Class RK-5 fuse.
5. Circuit Breaker Accessories: Trip units and auxiliary switches as indicated on Drawings.
6. Surge Suppressers: Refer to Section 263553.
7. Enclosure: NEMA PB 1, Type 1 or 3R as indicated on drawings.
8. Cabinet Front: Surface door-in-door type, fastened with screws hinge and latch, hinged door with flush lock, metal directory frame. Provide two keys for each lock.

E. Finishes: Manufacturer's standard gray enamel.

2.2 BRANCH CIRCUIT PANELBOARDS

A. Description: NEMA PB1, circuit breaker type, lighting and appliance branch circuit panelboard.

B. Materials:
1. Panelboard Bus: Copper, current carrying components, **ratings as indicated on Drawings.** Furnish copper ground bus in each panelboard; furnish insulated ground bus as indicated on Drawings.
2. For non-linear load applications subject to harmonics furnish 200 percent rated, plated copper, solid neutral.
3. Minimum Integrated Short Circuit Rating: as indicated on Drawings.
4. Molded Case Circuit Breakers: UL 489, bolt-on type thermal magnetic trip circuit breakers, with common trip handle for all poles, listed as Type SWD for lighting circuits, Type HACR for air conditioning equipment circuits,

Class A ground fault interrupter circuit breakers as indicated on Drawings. Provide UL class 760 arc-fault interrupter circuit breakers as indicated on Drawings. Do not use tandem circuit breakers.

5. Current Limiting Molded Case Circuit Breakers: UL 489, circuit breakers with integral thermal and instantaneous magnetic trip in each pole, coordinated with automatically resetting current limiting elements in each pole. Interrupting rating 100,000 symmetrical amperes, let-through current and energy level less than permitted for same size NEMA FU 1, Class RK-5 fuse.
6. Surge Suppresser: Refer to Section 263553.
7. Enclosure: NEMA PB 1, Type 1 or Type 3R as indicated on drawings.
8. Cabinet Box: 6 inches deep, 20 inches wide for 240 volt and less panelboards, 20 inches wide for 480-volt panelboards.

C. Cabinet Front: Flush or Surface (as indicated on drawings) cabinet front to be door-in-door trim, concealed hinge, metal directory frame, and flush lock keyed alike. Provide two keys with each lock. Finishes:
1. Finish in manufacturer's standard gray enamel.

PART 3 EXECUTION

3.1 INSTALLATION

A. Install panelboards in accordance with NEMA PB 1.1.

B. Install panelboards plumb.

C. Install recessed panelboards flush with wall finishes.

D. Height: 6 feet to top of panelboard; install panelboards taller than 6 feet with bottom no more than 4 inches above floor.

E. Install filler plates for unused spaces in panelboards.

F. Provide typed circuit directory for each branch circuit panelboard. Revise directory to reflect circuiting changes to balance phase loads. Identify each circuit as to its clear, evident and specific purpose of use.

G. Install engraved plastic nameplates in accordance with Section 260553.

H. Install spare conduits out of each recessed panelboard to accessible location above ceiling. Minimum spare conduits: 5 empty 1 inch. Identify each as SPARE.

I. Connect equipment ground bars of panels in accordance with NFPA 70.

3.2 FIELD QUALITY CONTROL

A. Inspect and test in accordance with NETA ATS, except Section 4.

B. Perform circuit breaker inspections and tests listed in NETA ATS, Section 7.6.

C. Perform switch inspections and tests listed in NETA ATS, Section 7.5.

D. Perform controller inspections and tests listed in NETA ATS, Section 7.16.1.

3.3 ADJUSTING

A. Measure steady state load currents at each panelboard feeder; rearrange circuits in panelboard to balance phase loads to within 20 percent of each other. Maintain proper phasing for multi-wire branch circuits.

3.4 CLEANING

A. Clean panelboards after installation.

END OF SECTION

SECTION 263613 - ENCLOSED TRANSFER SWITCHES

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

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

1.2 SUMMARY

A. This Section includes transfer switches rated 600 V and less, including the following:

1. Automatic transfer switches

B. Related Sections include the following:

1.3 SUBMITTALS

A. Product Data: For each type of product indicated. Include rated capacities, weights, operating characteristics, furnished specialties, and accessories.

1. Technical data on all major components of all transfer switches and other products described in this section. Data is required for the transfer switch mechanism, control system, cabinet, and protective devices specifically listed for use with each transfer switch. Include steady state and fault current ratings, weights, operating characteristics, and furnished specialties and accessories.

2. Single Line Diagram: Show connections between transfer switch, power sources and load

B. Shop Drawings: Dimensioned plans, elevations, sections, and details showing minimum clearances, conductor entry provisions, gutter space, installed features and devices, and material lists for each switch specified.

1. Dimensioned outline drawings of assembly, including elevations, sections, and details including minimal clearances, conductor entry provisions, gutter space, installed features and devices and material lists for each switch specified.

2. Internal electrical wiring and control drawings.

3. Interconnection wiring diagrams, showing recommended conduit runs and point-to-point terminal connections to generator set.

4. Installation and mounting instructions, including information for proper installation of equipment to meet seismic requirements.

C. Manufacturer and Supplier Qualification Data

1. The transfer switch manufacturer shall be certified to ISO 9001 International Quality Standard and shall have third party certification verifying quality assurance in design/development, production, installation, and service, in accordance with ISO 9001.

2. The manufacturer of this equipment shall have produced similar equipment for a minimum period of 10 years. When requested, an acceptable list of installations with similar equipment shall be provided demonstrating compliance with this requirement.

D. Operation and Maintenance Data: For each type of product to include in emergency, operation, and maintenance manuals. In addition to items specified in Division 01 Section "Operation and Maintenance Data," include the following:

1. Features and operating sequences, both automatic and manual.

2. List of all factory settings of relays, timers and protective devices; provide setting and calibration instructions where applicable.

E. Warranty documents demonstrating compliance with the project's contract requirements.

1.4 QUALITY ASSURANCE

A. Manufacturer Qualifications: The equipment supplier shall maintain a service center capable of providing training, parts, maintenance and emergency repairs to equipment, including transfer switch generator sets and remote monitoring equipment (if applicable) at the site within a response period of less than (eight hours or appropriate time period designated for Project) from time of notification.

1. The transfer switch shall be serviced by technicians employed by, and specially trained and certified by, the generator set supplier and the supplier shall have a service organization that is factory-certified in both generator set and transfer switch service. The supplier shall maintain an inventory of critical replacement parts at the local service organization, and in-service vehicles. The service organization shall be on call 24 hours per day, 365 days per year.

2. Submit names, experience level, training certifications, and locations for technicians that will be responsible for servicing equipment at this site.

3. The manufacturer shall maintain model and serial number records of each transfer switch provided for at least 20 years.

B. Source Limitations: All transfer switches are to be obtained through one source from a single manufacturer. The generator set manufacturer shall warrant transfer switches to provide a single source of responsibility for products provided.

C. Electrical Components, Devices, and Accessories: Listed and labeled as defined in NFPA 70, Article 100, by a testing agency acceptable to authorities having jurisdiction, and marked as suitable for use in emergency, legally required or optional standby use as appropriate for the connected load.

D. The automatic transfer switch installation and application shall conform to the requirements of the following codes and standards:

1. Transfer switches and enclosures shall be UL 1008 listed and labeled as suitable for use in emergency, legally required, and optional standby applications.

2. CSA 282, Emergency Electrical Power Supply for Buildings, and CSA C22.2, No. 14-M91 Industrial Control Equipment

3. NFPA 70, National Electrical Code. Equipment shall be suitable for use in systems in compliance with Articles 700, 701 and 702.

4. Comply with NEMA ICS 10-1993 AC Automatic Transfer Switches

5. IEEE 446 – Recommended Practice for Emergency and Standby Power Systems for Commercial and Industrial Applications

6. EN55011, Class B Radiated Emissions and Class B Conducted Emissions

7. IEC 1000-4-5 (EN 61000-4-5); AC Surge Immunity

8. IEC 1000-4-4 (EN 61000-4-4) Fast Transients Immunity

9. IEC 1000-4-2 (EN 61000-4-2) Electrostatic Discharge Immunity

10. IEC 1000-4-3 (EN 61000-4-3) Radiated Field Immunity

11. IEC 1000-4-6 Conducted Field Immunity

12. IEC 1000-4-11 Voltage Dip Immunity

13. IEEE 62.41, AC Voltage Surge Immunity

14. IEEE 62.45, AC Voltage Surge Testing

E. Comply with NFPA 99 – Essential Electrical Systems for Healthcare Facilities

F. Comply with NFPA 110 – Emergency and Standby Power Systems. The transfer switch shall meet all requirements for Level 1 systems, regardless of the actual circuit level.

G. The manufacturer shall warrant the material and workmanship of the transfer switch equipment for a minimum of one (1) year from registered commissioning and start-up, or eighteen (18) months from date of shipment.

H. The warranty shall be comprehensive. No deductibles shall be allowed for travel time, service hours, repair parts cost, and etc. during the minimum noted warranty period described above.

1.5 PROJECT CONDITIONS

A. Interruption of Existing Electrical Service: Do not interrupt electrical service to facilities occupied by Owner or others unless permitted under the following conditions and then only after arranging to provide temporary electrical service:

1. Notify (Architect/Construction Manager/Owner) no fewer than (insert appropriate number) days in advance of proposed interruption of electrical service.

2. Do not proceed with interruption of electrical service without (Architect/Construction Manager/Owner's) written permission.

3. Do not energize any new service or distribution equipment without notification and permission of the (Architect/Construction Manager/Owner).

1.6 COORDINATION

A. Size and location of concrete bases and anchor bolt inserts shall be coordinated. Concrete, reinforcement and formwork must meet the requirements specified in Division 03. See section "INSTALLATION" for additional information on installation

PART 2 - PRODUCTS

2.1 MANUFACTURERS

A. Manufacturers: Subject to compliance with requirements, provide products by one of the following:

1. Cummins Power Generation

B. Equipment specifications for this Project are based on automatic transfer switches manufactured by Cummins Power Generation. Switches manufactured by other manufacturers that meet the requirement of this specification are acceptable, if approved not less than two weeks before scheduled bid date. Proposals must include a line-by-line compliance statement based on this specification.

C. Transfer switches utilizing molded case circuit breakers do not meet the requirements of this specification and will not be accepted.

2.2 GENERAL TRANSFER-SWITCH PRODUCT REQUIREMENTS

A. Provide transfer switches in the number and ratings that are shown on the drawings.

B. Indicated Current Ratings: Apply as defined in UL 1008 for continuous loading and total system transfer.

C. Fault-Current Closing and Withstand Ratings: UL 1008 WCR ratings must be specifically listed as meeting the requirements for use with protective devices at installation locations, under specified fault conditions. Withstand and closing ratings shall be based on use of the same set of contacts for the withstand test and the closing test.

D. Solid-State Controls: All settings should be accurate to +/- 2% or better over an operating temperature range of -40 to + 60 degrees C (- 40 to + 140 degrees F).

E. Resistance to Damage by Voltage Transients: Components shall meet or exceed voltage-surge withstand capability requirements when tested according to IEEE C62.41. Components shall meet or exceed voltage-impulse withstand test of NEMA ICS 1.

F. Electrical Operation: Accomplished by a non-fused, momentarily energized solenoid or electric motor operator mechanism, mechanically and electrically interlocked in both directions (except that mechanical interlock is not required for closed transition switches).

G. Switch Characteristics: Designed for continuous-duty repetitive transfer of full-rated current between active power sources.

1. Switches using molded-case switches or circuit breakers, or insulated case circuit breaker components are not acceptable.

2. Transfer switches shall be double-throw, electrically and mechanically interlocked, and mechanically held in the Source 1 and Source 2 positions.

3. Main switch contacts shall be high pressure silver alloy. Contact assemblies shall have arc chutes for positive arc extinguishing. Arc chutes shall have insulating covers to prevent inter-phase flashover.

4. Contacts shall be operated by a high-speed electrical mechanism that causes contacts to open or close within three electrical cycles from signal.

5. Transfer switch shall be provided with flame retardant transparent covers to allow viewing of switch contact operation but prevent direct contact with components that could be operating at line voltage levels.

6. The transfer switch shall include the mechanical and control provisions necessary to allow the device to be field-configured for operating speed. Transfer switch operation with motor loads shall be as is recommended in NEMA MG1.

   a. Phase angle monitoring/timing equipment is not an acceptable substitute for this functionality

7. Transfer switches designated on the drawings as "3-pole" shall have a full current-rated neutral bar with lugs.

H. Factory wiring: Transfer switch internal wiring shall be composed of pre-manufactured harnesses that are permanently marked for source and destination. Harnesses shall be connected to the control system by means of locking disconnect plug(s), to allow the control system to be easily disconnected and serviced without disconnecting power from the transfer switch mechanism

I. Terminals: Terminals shall be pressure type and appropriate for all field wiring. Control wiring shall be equipped with suitable lugs, for connection to terminal strips.

J. Enclosures: All enclosures shall be third-party certified for compliance to NEMA ICS 6 and UL 508, unless otherwise indicated:

1. The enclosure shall provide wire bend space in compliance to the latest version of NFPA70, regardless of the direction from which the conduit enters the enclosure.

2. Exterior cabinet doors shall provide complete protection for the system's internal components. Doors must have permanently mounted key-type latches. Bolted covers or doors are not acceptable.

3. Transfer switches shall be provided in enclosures that are third party certified for their intended environment per NEMA requirements.

2.3 AUTOMATIC TRANSFER SWITCHES

A. Comply with requirements for Level 1 equipment according to NFPA 110.

B. Indicated current ratings:

1. Refer to the Project drawings for specifications on the sizes and types of transfer switch equipment, withstand and closing ratings, number of poles, voltage and ampere ratings, enclosure type, and accessories.

2. Main contacts shall be rated for 600 VAC minimum.

3. Transfer switches shall be rated to carry 100% of rated current continuously in the enclosure supplied, in ambient temperatures of -40 to +60 degrees C (-40 to +140 degrees F), relative humidity up to 95% (non-condensing), and altitudes up to 10,000 feet (3000 meters).

C. Relay Signal: Control shall include provisions for addition of a pre-transfer relay signal, adjustable from 0 to 60 seconds, to be provided if necessary for elevator operation, based on equipment provided for the project.

D. Transfer switches that are designated on the drawings as 3-pole shall be provided with a neutral bus and lugs. The neutral bus shall be sized to carry 100% of the current designated on the switch rating.

E. Automatic Transfer Switch Control Features

1. The transfer switch control system shall be configurable in the field for any operating voltage level up to 600 VAC. Voltage sensing shall be monitored based on the normal voltage at the site. Systems that utilize voltage monitoring based on standard voltage conditions that are not field configurable are not acceptable.

2. All transfer switch sensing shall be configurable from an operator panel or from a Windows XP or later PC-based service tool. Designs utilizing DIP switches or other electromechanical devices are not acceptable.

3. The transfer switch shall provide a relay contact signal prior to transfer or re-transfer. The time period before and after transfer shall be adjustable in a range of 0 to 60 seconds.

4. The control system shall be designed and prototype tested for operation in ambient temperatures from - 40 degrees C to + 60 degrees C (- 40 to +140 degrees F). It shall be designed and tested to comply with the requirements of the noted voltage and RFI/EMI standards.

5. The control shall have optically isolated logic inputs, high isolation transformers for AC inputs and relays on all outputs, to provide optimum protection from line voltage surges, RFI and EMI.

6. The transfer switch network monitoring equipment, when supplied, shall be provided with a battery-based auxiliary power supply to allow monitoring of the transfer switch when both AC power sources are non-operational.

7. The indicator panel LEDs shall display:

a. Which source the load is connected to (Source 1 or Source 2)

b. Which source or sources are available

c. When switch is not set for automatic operation, the control is disabled

d. When the switch is in test/exercise mode

8. The indicator shall have pushbuttons that allow the operator to activate the following functions:

a. Activate pre-programmed test sequence

b. Override programmed delays, and immediately go to the next operation

F. Transfer Switch Control Panel: The transfer switch shall have a microprocessor-based control with a sealed membrane panel incorporating pushbuttons for operator-controlled functions, and LED lamps for system status indicators. Panel display and indicating lamps shall include permanent labels.

G. Control Functions: Functions managed by the control shall include:

a. Engine start (prevents nuisance genset starts in the event of momentary power fluctuation): 0 to 10 seconds (default 3 sec)

b. Transfer normal to emergency (allows genset to stabilize before load is transferred): 0 to 300 seconds (default 5 sec)

c. Re-transfer emergency to normal (allows utility to stabilize before load is transferred from genset): 0 to 30 minutes (default 10 min)

d. Engine cooldown: 0 to 30 minutes (default 10 min)

e. Programmed transition: 0 to 60 seconds (default 0 sec)

2. Under frequency sensing (emergency side):

a. Pickup: 90% of nominal frequency

b. Dropout: 85% of nominal frequency

H. Control features shall include:

1. Programmable genset exerciser: A field-programmable control shall periodically start and run the generator with or without transferring the load for a preset time period, then re-transfer and shut down the generator after a preset cool-down period.

2. In event of a loss of power to the control, all control settings and the engine start-time delay setting will be retained.

I. Control Interface

1. Provide one set Form C auxiliary contacts on both sides, operated by transfer switch position, rated 10 amps 250 VAC.

J. Engine Starting Contacts

1. One isolated and normally closed pair of contacts rated 8A at 30 VDC minimum.

PART 3 - EXECUTION

3.1 INSTALLATION

A. Design each fastener and support to carry load indicated by seismic requirements and according to seismic-restraint details. See Division 26 Section "Vibration and Seismic Controls for Electrical Systems."

B. Floor-Mounting Switch: Anchor to floor by bolting.

1. Floor-mounted transfer switches (except drawout switches supported by wheeled carriages, which must be rolled out at floor level) shall be mounted on concrete bases complying with the following requirements:

a. Concrete Bases: 4 inches (100 mm) high, reinforced, with chamfered edges. Extend base no more than 4 inches (100 mm) in all directions beyond the maximum dimensions of switch, unless otherwise indicated or unless required for seismic support. Construct concrete bases according to Division 26 Section "Hangers and Supports for Electrical Systems."

C. Annunciator Panel Mounting: Flush in wall, unless otherwise indicated.

D. Identify components according to Division 26 Section "Identification for Electrical Systems."

E. Set field-adjustable intervals and delays, relays, and engine exerciser clock.

3.2 CONNECTIONS

A. Wiring to Remote Components: Match type and number of cables and conductors to control and communication requirements of transfer switches as recommended by manufacturer. Increase raceway sizes at no additional cost to Owner if necessary to accommodate required wiring.

B. Field control connections shall be made on a common terminal block that is clearly and permanently labeled.

C. Transfer switch shall be provided with AL/CU mechanical lugs sized to accept the full output rating of the switch. Lugs shall be suitable for the number and size of conductors shown on the drawings.

D. Ground equipment according to Division 26 Section "Grounding and Bonding for Electrical Systems."

E. Connect wiring according to Division 26 Section "Low-Voltage Electrical Power Conductors and Cables."

3.3 SOURCE QUALITY CONTROL

A. Prior to shipping, factory shall test and inspect components, assembled switches, and associated equipment to ensure proper operation.

B. Factory shall check transfer time and voltage, frequency, and time-delay settings for compliance with specified requirements.

C. Factory shall perform dielectric strength test complying with NEMA ICS 1.

3.4 FIELD QUALITY CONTROL

A. Manufacturer's Field Service: The supplier of the transfer switch(es) and associated equipment shall inspect, test, and adjust components, assemblies, and equipment installations, including connections, and report results in writing.

B. Manufacturer’s representative shall perform tests and inspections and prepare test reports.

C. After installing equipment and after electrical circuitry has been energized, installer shall test for compliance with requirements.

1. Perform recommended installation tests as recommended in manufacturer’s installation and service manuals.

2. After energizing circuits, demonstrate interlocking sequence and operational function for each switch.

a. Simulate power failures of normal source to automatic transfer switches and of emergency source with normal source available.

b. Verify time-delay settings.

c. Verify proper sequence and correct timing of automatic engine starting, transfer time delay, retransfer time delay on restoration of normal power, and engine cool-down and shutdown.

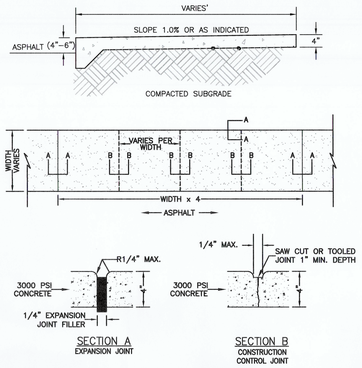
3.5 DEMONSTRATION

A. After generator set installation, the generator and transfer switch supplier shall conduct a complete operation, basic maintenance, and emergency service seminar covering generator set and transfer switch equipment, for up to 10 people employed by the Owner.

1. The seminar shall include instruction on operation of the transfer equipment, normal testing and exercise, adjustments to the control system, and emergency operation procedures.

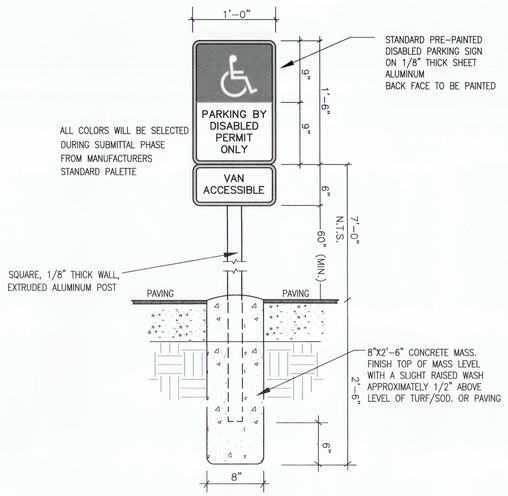
2. The class duration shall be at least 8 hours in length and include practical operation with the installed equipment.

END OF SECTION 263613



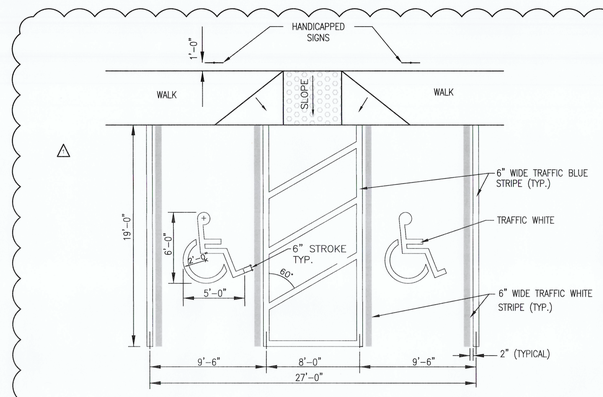
CONCRETE SIDEWALK DETAIL

N.T.S.



H/C PARKING SIGN DETAIL

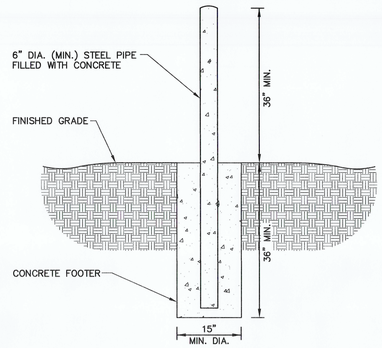
N.T.S.



NOTE:
ALL PAVEMENT MARKINGS SHALL BE PAINTED TWO COATS.

VAN ACCESSIBLE HANDICAPPED STALL DETAIL

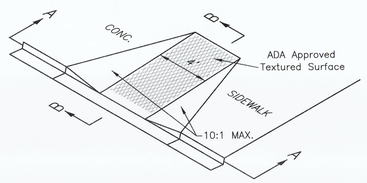
N.T.S.



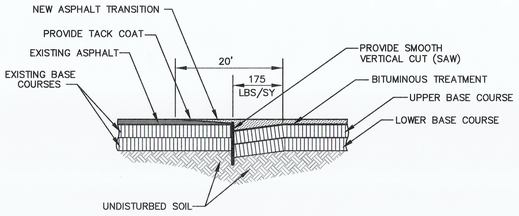
1. BOLLARDS SHALL BE SPACED NOT MORE THAN 4' O.C.
2. BOLLARDS SHALL BE LOCATED NOT LESS THAN 3' FROM THE PROTECTED OBJECT

TYPICAL BOLLARD DETAIL

NTS

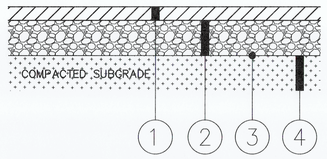


ISOMETRIC VIEW



BUTT JOINT DETAIL

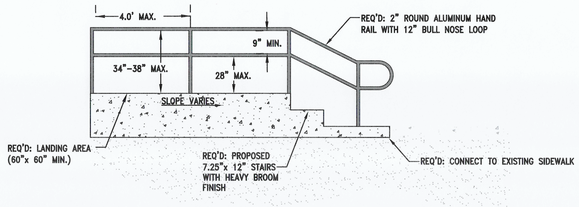
N.T.S.



TYPICAL PAVEMENT SECTION

N.T.S.

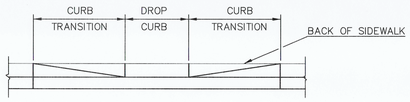
1. 1 1/2" BITUMINOUS ASPHALT WEARING SURFACE, 429–A (165 LB/SY)
2. CRUSHED AGGREGATE BASE COURSE, 6" THICK, 825–B
3. SEPARATION FABRIX, MARIFI 500X (OR APPROVED EQUAL)
2. 18" THICK LAYER OF BORROW EXCAVATION (A–2–4 OR BETTER) (BORROW MATERIAL SHALL MEET THE CITY ORDINANCE FOR COLOR)



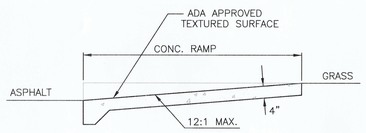
CONCRETE STAIRS DETAIL

N.T.S.

NOTES:
1. **ALL CONCRETE SHALL BE MIN. 3,000 PSI MIX.**
2. **STAIRS AND HANDRAILS SHALL MEET ALL REQUIREMENTS OF THE LATEST ADA AND INTERNATIONAL BUILDING CODE REGULATIONS.**



ELEVATION A–A

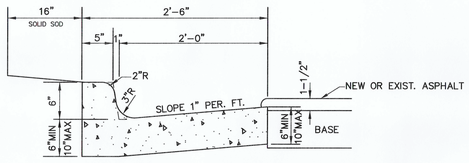


SECTION B–B

SIDEWALK HANDICAP RAMP

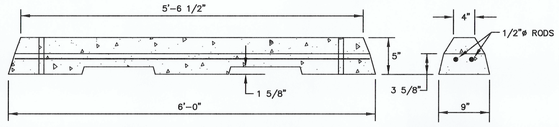
N.T.S.

NOTES:
1. RAMPS ARE DESIGNED TO THE UNIFORM FEDERAL ACCESSIBILITY STANDARDS TO COMPLY WITH THE AMERICANS WITH DISABILITIES ACT.
2. RAMPS SHALL HAVE A TACTILE SURFACE, TEXTURED TO A DEPTH NOT EXCEEDING 1/8" BY USE OF TAMP OR ROLLER.



COMBINATION CURB & GUTTER DETAIL

N.T.S.



PRECAST CONCRETE WHEEL STOPS

NTS
APPROX. WEIGHT – 33 LBS/FT

ALABAMA LICENSED PROFESSIONAL ENGINEER No. 31242 Joseph H. Roberson III 2-13-20

ORANGE BEACH RECREATION COMPLEX NEW ADULT FITNESS CENTER

CITY OF ORANGE BEACH ; ORANGE BEACH, AL

DAVIS

OWNER
CITY OF ORANGE BEACH
PO BOX 458
ORANGE BEACH, ALABAMA 36561
251-981-69792
ATTN: KEN GRIMES, JR.

ASSOCIATE ARCHITECT
MCCOLLOUGH ARCHITECTURE
4790 MAIN ST #209
ORANGE BEACH, AL 36561
251-968-7222
ATTN: STED MCCOLLOUGH

ARCHITECT
DAVIS ARCHITECTS, INC.
120 23RD STREET SOUTH
BIRMINGHAM, AL 35233
205-322-7482
ATTN: JIM HARTSELL / JEFFREY MENASCO

CIVIL ENGINEER
SAWGRASS CONSULTING, LLC
11143 OLD HIGHWAY 31
SPANISH FORT, AL 36527
251-544-7900
ATTN: ERCIL E. GODWIN / DOUG CHAFFIN

STRUCTURAL ENGINEER
MBA ENGINEERS
300 20TH ST. N., SUITE 100
BIRMINGHAM, AL 35203
205-323-6385
ATTN: KEITH OWENS / MARK BOGER

MECHANICAL / PLUMBING ENGINEER
GULF STATES ENGINEERING
600 AZALEA ROAD,
MOBILE, AL 36609
251-460-4646
ATTN: CHRIS DEARMON / VAN SIMPSON

FIRE PROTECTION ENGINEER
GULF STATES ENGINEERING
600 AZALEA ROAD,
MOBILE, AL 36609
251-460-4646
ATTN: TOM WADE / BRIAN DOVE

ELECTRICAL ENGINEER
GULF STATES ENGINEERING
600 AZALEA ROAD,
MOBILE, AL 36609
251-460-4646
ATTN: JERRY ONWU / SID SNYDER

REV	DATE	DESCRIPTION
1	04-13-20	RARVISED LOCATION OF HANDICAPPED PARKING SIGNS

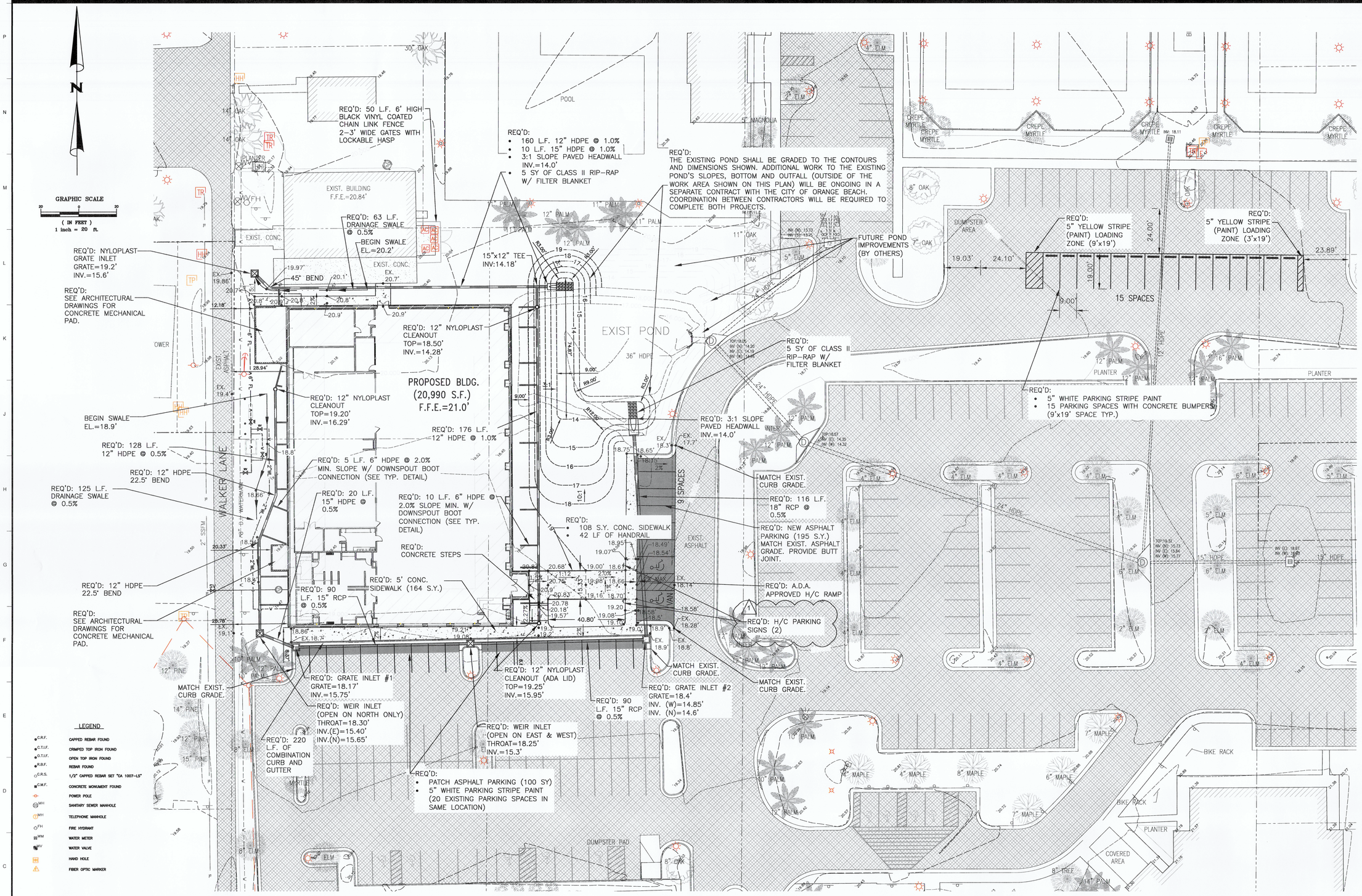
DATE: 2-14-2020
PHASE: 100% BID DOCUMENTS
ISSUED FOR: ADDENDUM 4 (REVISION 2)
ISSUED BY: DAVIS ARCHITECTS
PROJECT NO: 3891.02

SHEET TITLE: CIVIL CONSTRUCTION DETAILS - 2

DRAWING NO: C701

Sawgrass
ENGINEERING - SURVEYING - CONSTRUCTION MANAGEMENT
30673 Sgt. E. I. "Boots" Thomas Drive, Spanish Fort, AL 36527 Phone: (251) 544-7900
202 Government Street, Suite 225, Mobile, AL 36602

C701 | CIVIL CONSTRUCTION DETAILS – 2
C701/C901 | SCALE: N.T.S.



ALABAMA LICENSED No. 31242 PROFESSIONAL ENGINEER 04/13/20 JAMES H. ROBERTSON

ORANGE BEACH RECREATION COMPLEX NEW ADULT FITNESS CENTER

CITY OF ORANGE BEACH ; ORANGE BEACH, AL

DAVIS

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PO BOX 458
ORANGE BEACH, ALABAMA 36561
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ELECTRICAL ENGINEER
GULF STATES ENGINEERING
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MOBILE, AL 36609
251-460-4646
ATTN: JERRY ONWU / SID SNYDER

REV	DATE	DESCRIPTION
1	04-13-20	SHOWED LOCATION OF HANDICAPPED PARKING SIGNS

DATE: 2-14-2020

PHASE / ISSUED FOR: 100% BID DOCUMENTS
ADDENDUM 4 (REVISION 2)

ISSUED BY: DAVIS ARCHITECTS
PROJECT NO: 3891.02

SHEET TITLE: GRADING & DRAINAGE PLAN

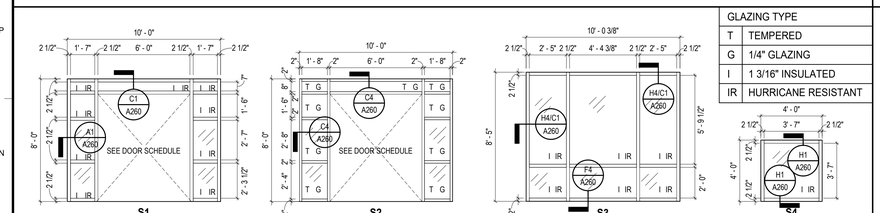
DRAWING NO: C300

Sawgrass
ENGINEERING - SURVEYING - CONSTRUCTION MANAGEMENT
30673 Sgt. E. I. "Boots" Thomas Drive, Spanish Fort, AL 36527 Phone: (251) 544-7900
202 Government Street, Suite 225, Mobile, AL 36602

C300 | GRADING & DRAINAGE PLAN

C300/C901 | SCALE: 1" = 20'

STOREFRONT ELEVATIONS



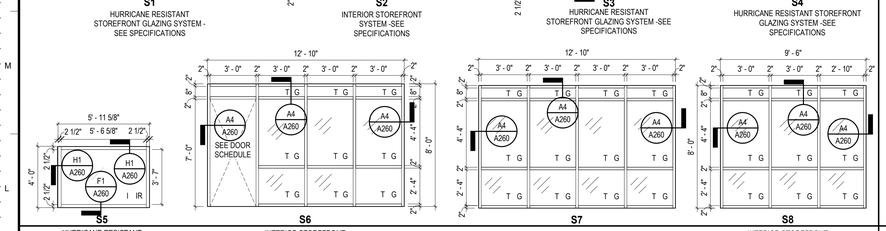
S1 HURRICANE RESISTANT STOREFRONT GLAZING SYSTEM - SEE SPECIFICATIONS

S2 INTERIOR STOREFRONT SYSTEM -SEE SPECIFICATIONS

S3 HURRICANE RESISTANT STOREFRONT GLAZING SYSTEM -SEE SPECIFICATIONS

S4 HURRICANE RESISTANT STOREFRONT GLAZING SYSTEM -SEE SPECIFICATIONS

GLAZING TYPE	
T	TEMPERED
G	1/4" GLAZING
I	1 3/16" INSULATED
IR	HURRICANE RESISTANT



S5 HURRICANE RESISTANT STOREFRONT GLAZING SYSTEM - SEE SPECIFICATIONS

S6 INTERIOR STOREFRONT SYSTEM -SEE SPECIFICATIONS

S7 INTERIOR STOREFRONT SYSTEM -SEE SPECIFICATIONS

S8 INTERIOR STOREFRONT SYSTEM -SEE SPECIFICATIONS

DOOR SCHEDULE

DOOR NO.	TYPE	DOOR WIDTH	DOOR HEIGHT	DOOR MATERIAL	DOOR FINISH	FIRE RATING	HARDWARE	FRAME TYPE	FRAME MATERIAL	FRAME FINISH	FRAME JAMB	FRAME HEAD	COMMENTS
00-1	WD-1	3' - 0"	7' - 0"	WD	ST	N/A	10	F1/F1	HMS	PT	A15/A260	D15/A260	1,14
00A-1	HMSI-2	6' - 0"	7' - 0"	HMS	PT	1 HR	05	F1/F2	HMS	PT	A8/A260	D8/A260	2,4,10,11,14,15
01A-1	WD-1	3' - 0"	7' - 0"	WD	ST	N/A	11	F1/F1	HMS	PT	A12/A260	D12/A260	1,14
01B-1	SWG-1	3' - 0"	7' - 0"	SW	ST	N/A	04	F1/F1	SW	ST	A12/A260	D12/A260	1, 6, 17
01C-1	WDL-2	6' - 0"	7' - 0"	WD	ST	N/A	03	F1/F1	HMS	PT	A15/A260	D15/A260	9
02A-1	WD-1	3' - 0"	7' - 0"	WD	ST	N/A	11	F1/F1	HMS	PT	A15/A260	D15/A260	1,14
02B-1	SWG-1	3' - 0"	7' - 0"	SW	ST	N/A	04	F1/F1	SW	ST	A15/A260	D15/A260	1, 6, 17
02C-1	WDL-2	6' - 0"	7' - 0"	WD	ST	N/A	03	F1/F1	HMS	PT	A15/A260	D15/A260	9
03-1	WDG-1	3' - 0"	7' - 0"	WD	ST	N/A	13	F1/F1	HMS	PT	A15/A260	D15/A260	2,5,6,7,12,14
03A-1	WDG-1	3' - 0"	7' - 0"	WD	ST	N/A	12	F1/F1	HMS	PT	A15/A260	D15/A260	2,5,6,7,12,14
04-1	SF-1	3' - 0"	7' - 0"	ALUM	PF	N/A	02	-	ALUM	PF	A4/A260	A4/A260	1,3,5,7
04A-1	WD-2	6' - 0"	7' - 0"	WD	ST	N/A	06	F1/F1	HMS	PT	A15/A260	D15/A260	2
04B-1	FP-1	41' - 9 3/4"	9' - 0"	STL	PF	N/A	SEE SPECS	-	STL	PF	BY MANUFACTURER REQUIREMENTS	D1/A650	18,19,20
05-1	SF-1	3' - 0"	7' - 0"	ALUM	PF	N/A	02	-	ALUM	PF	A4/A260	A4/A260	1,3,5,7
05A-1	WD-2	6' - 0"	7' - 0"	WD	ST	N/A	06	F1/F1	HMS	PT	A15/A260	D15/A260	2,14
06-1	WD-1	3' - 0"	7' - 0"	WD	ST	N/A	09	F1/F1	HMS	PT	A15/A260	D15/A260	1,14
08-1	WD-1	4' - 0"	7' - 0"	WD	ST	N/A	07	F1/F1	HMS	PT	A15/A260	D15/A260	1,14
09-1	HMS-1	4' - 0"	7' - 0"	HMS	PT	N/A	08	F1/F1	HMS	PT	A15/A260	D15/A260	1,14
V00-1	SF-2	6' - 0"	7' - 0"	ALUM	PF	N/A	01	-	ALUM	PF	A1/A260	C1/A260	2,3,5,8,11,15
V00-2	SF-2	6' - 0"	7' - 0"	ALUM	PF	N/A	01	-	ALUM	PF	C4/A260	C4/A260	2,3,5,8,11,13

DOOR SCHEDULE COMMENTS

1. CLOSER(WITH HOLD OPEN)
2. CLOSER(WITHOUT HOLD OPEN)
3. PANIC DEVICE
4. PANIC DEVICE WITH BATTERY POWERED AUDIBLE ALARM
5. TEMPERED GLAZING
6. FROSTED GLAZING (WATER COLOR STYLE)
7. 1/4" GLAZING
8. INSULATED GLAZING
9. 24" X 24" FIXED LOUVER IN DOOR PANEL
10. FIRE RATED DOOR AND FRAME
11. HURRICANE RESISTANT DOORS AND FRAME
12. MANUAL HOLD OPEN
13. CARD READER -DEVICE LOCATED ON ADJACENT WALL -SEE SPECS AND PLANS
14. KICK PLATE
15. RAIN DRIP EDGE
16. ENTRY DOOR IS REQUIRED TO HAVE HURRICANE RESISTANT GLAZING
17. WOOD ADA FIXED HANDLE
18. ELECTRIC MOTOR -SEE ACCORDION FOLDING PARTITIONS SPEC
19. (2) ELECTRIC KEY SWITCH - VERIFY LOCATION WITH OWNER
20. MANUAL OVERRIDE REQUIRED

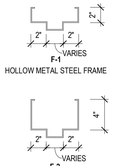
DOOR SCHEDULE MATERIALS LEGEND

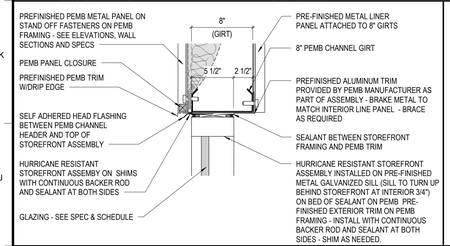
ALUM	ALUMINUM
HMIS	HOLLOW METAL INSULATED STEEL
HMS	HOLLOW METAL STEEL
IR	HURRICANE RESISTANT GLAZING
PF	PREFINISHED
PT	PAINTED
ST	STAIN
SW	SOLID WOOD SOLID CORE
WD	WOOD

DOOR SCHEDULE - NOTES

1. COVER AND PROTECT ALL NEW DOOR(S) AND/OR FRAME(S) THAT CONTAIN U.L. LISTING MARKER PLATES.
2. IF A U.L. LISTING MARKER IS PAINTED OVER, DAMAGED, OR REMOVED DURING CONSTRUCTION THE ENTIRE DOOR OR DOOR FRAME MUST BE REPLACED AT THE EXPENSE OF THE GC NOT THE OWNER. (THE INSTALLATION WILL ALSO INCLUDE ANY DEMOLITION, PATCHING, PAINTING, ETC... TO THE SURROUNDING FINISHES THAT MAY BECOME DAMAGED BY THE REMOVAL/REPLACEMENT OF THE DOOR OR DOOR FRAME.
3. THE U.L. LISTING MARKER PLATE MUST BE UNCOVERED, UNPAINTED AND VISIBLE FOR INSPECTION.
4. DOOR HARDWARE SET SCHEDULED CAN BE REFERRED IN THE HARDWARE SPECIFICATION.
5. DOOR HARDWARE FOR SAUNA DOOR TO BE IDENTIFIED IN THE SAUNA SPECIFICATION
6. SEE PLANS FOR GATE LOCATION(S)
7. GC MUST ENSURE DOORS MEET AND EXCEED LOCAL ORDINANCE REQUIREMENTS FOR COASTAL AREA PRIOR TO SUBMITTING SHOP DRAWINGS TO ARCHITECT FOR REVIEW.
8. DOOR HARDWARE MANUFACTURER OR INSTALLER TO PROVIDE KEY BOX WITH KEYS INSTALLED, TAGGED, AND ORGANIZED PRIOR TO SUBSTANTIAL COMPLETION - INSTALLER AND GC TO COORDINATE BOX LOCATION WITH OWNER PRIOR TO INSTALL.
9. ACOUSTIC METAL CLAD FOLDING PARTITION RECESSED POCKET SIZE MUST BE COORDINATE AND VERIFIED IN THE SHOP DRAWINGS - IF THERE IS CONCERN FOR CONFLICT OR EXCESS SPACE THE GC MUST NOTIFY AND COORDINATE PRIOR TO COMPLETION OF SHOP DRAWINGS.
10. GC TO COORDINATE LOCATION AND BRACING NECESSARY FOR MOUNTING AND WIRING THE ACOUSTICAL METAL CLAD FOLDING PARTITION MOTOR AND SWITCHES -SEE FFE AND ELECTRICAL FOR SWITCH AND POWER NEEDS/LOCATIONS.

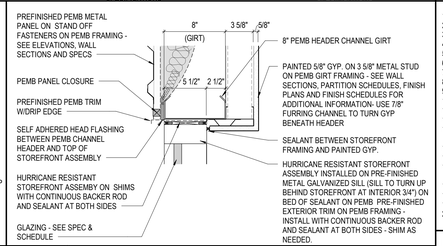
FRAME TYPE PROFILES





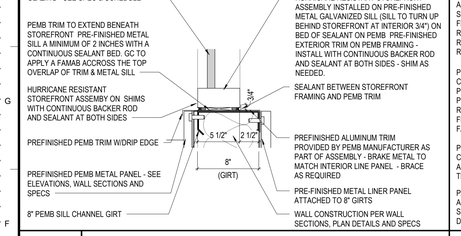
H1 PEMB HEAD/JAMB DETAIL @ CLERESTORY

SCALE: 1 1/2" = 1'-0"



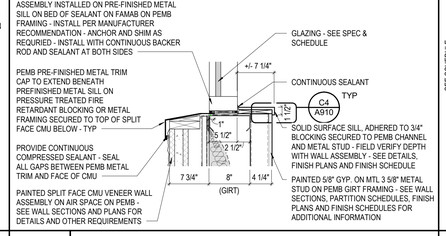
H4 PEMB HEAD/JAMB DETAIL @ LOUNGE

SCALE: 1 1/2" = 1'-0"



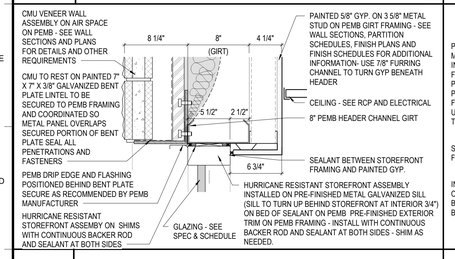
F1 PEMB SILL DETAIL @ CLERESTORY STOREFRONT

SCALE: 1 1/2" = 1'-0"



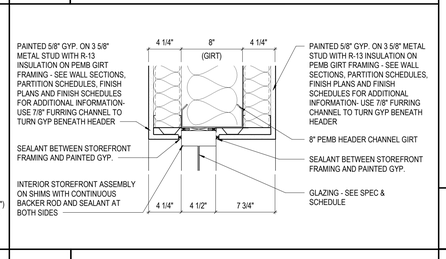
F4 PEMB SILL DETAIL @ EXTERIOR STOREFRONT

SCALE: 1" = 1'-0"



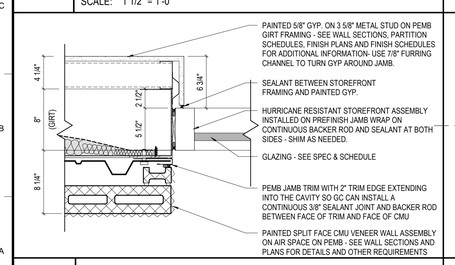
C1 PEMB/CMU HEAD DETAIL @ VESTIBULE EXTERIOR

SCALE: 1 1/2" = 1'-0"



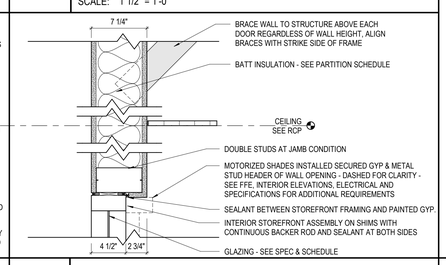
C4 HEAD & JAMB DETAIL @ VESTIBULE INTERIOR

SCALE: 1 1/2" = 1'-0"



A1 PEMB/CMU JAMB DETAIL @ VESTIBULE EXTERIOR

SCALE: 1 1/2" = 1'-0"

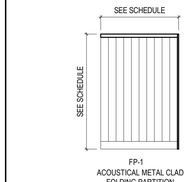


A4 HEAD & JAMB DETAIL @ MULTI FITNESS ROOMS

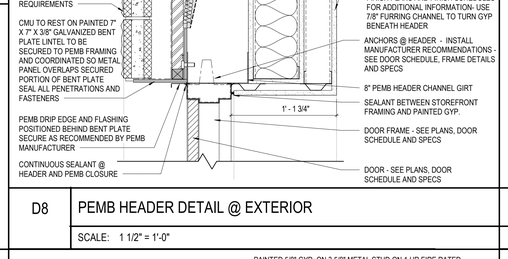
SCALE: 1 1/2" = 1'-0"

DOOR PANEL TYPE(S)

FOLDING PARTITION TYPE(S)

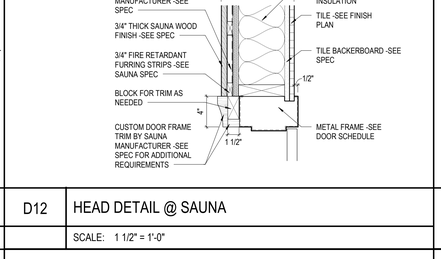


1. GC FIELD VERIFY FOLDING PARTITION OPENINGS AND DIMENSIONS ONCE STEEL SUPPORT BEAM INSTALLED & PRIOR TO ARCHITECTURAL REVIEW OF SHOP DRAWINGS BY ARCHITECT.
2. GC TO DESIGN ALL STUD STRUCTURE AND BRACING FOR THE SOFFIT ABOVE THE DOOR FRAME. GC IS RESPONSIBLE FOR COORDINATING THE PARTITIONS SUPPORT ALONG WITH THE SOFFIT FRAMING.
3. SEE SPECIFICATION FOR THE BASIS OF DESIGN



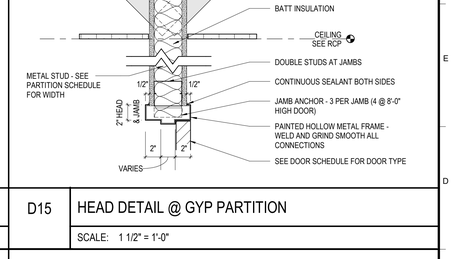
D8 PEMB HEADER DETAIL @ EXTERIOR

SCALE: 1 1/2" = 1'-0"



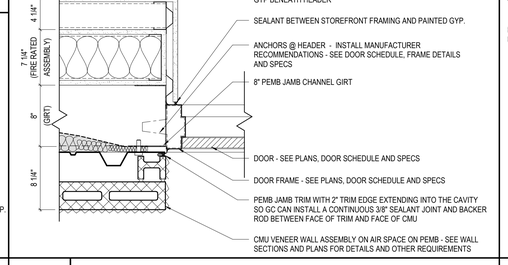
D12 HEAD DETAIL @ SAUNA

SCALE: 1 1/2" = 1'-0"



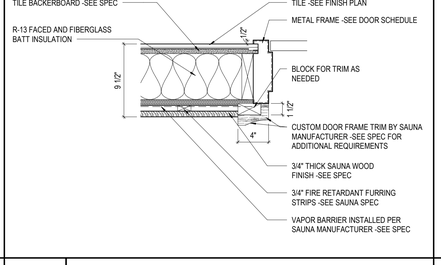
D15 HEAD DETAIL @ GYP PARTITION

SCALE: 1 1/2" = 1'-0"



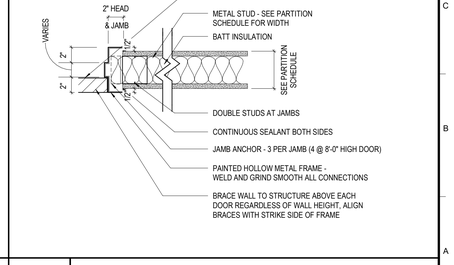
A8 PEMB/CMU JAMB DETAIL @ EXTERIOR DOOR -

SCALE: 1 1/2" = 1'-0"



A12 JAMB DETAIL @ SAUNA

SCALE: 1 1/2" = 1'-0"



A15 JAMB DETAIL @ GYP PARTITION'

SCALE: 1 1/2" = 1'-0"

STATE OF ALABAMA
DAVIS ARCHITECTS
2413
REGISTERED ARCHITECT
NEIL E. DAVIS

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REV	DATE	DESCRIPTION
1	MARCH 6 2020	ADDENDUM 1
2	APRIL 13 2020	ADDENDUM 4

DATE: 2-14-2020

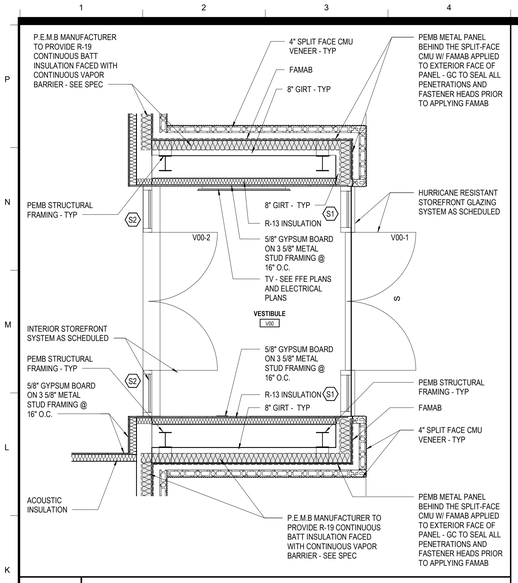
PHASE: 100% BID DOCUMENTS

ISSUED FOR: ADDENDUM 4 (REVISION 2)

ISSUED BY: DAVIS ARCHITECTS PROJECT NO: 3891.02

SHEET TITLE: DOOR SCHEDULE AND ELEVATIONS

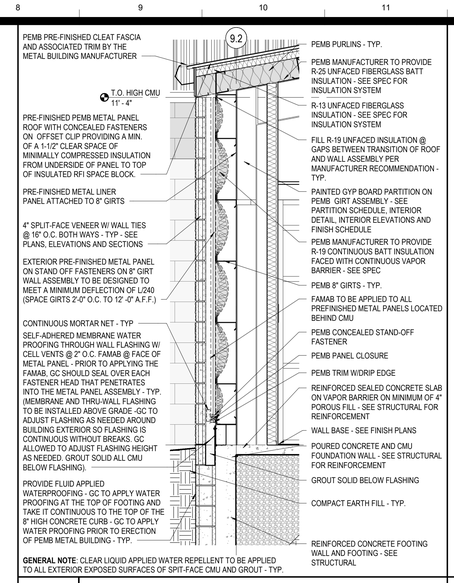
DRAWING NO.: A260



K1 ENLARGED VESTIBULE V000

A1 /A101

SCALE: 3/8" = 1'-0"

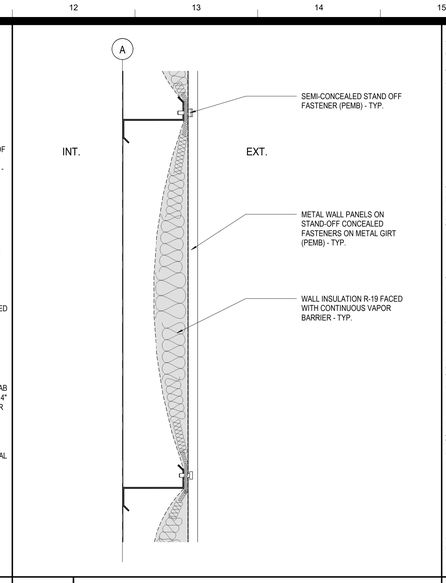


GENERAL NOTE: CLEAR LIQUID APPLIED WATER REPELLENT TO BE APPLIED TO ALL EXTERIOR EXPOSED SURFACES OF SPIT-FACE CMU AND GROUT - TYP.

K8 WALL SECTION

A1 /A323

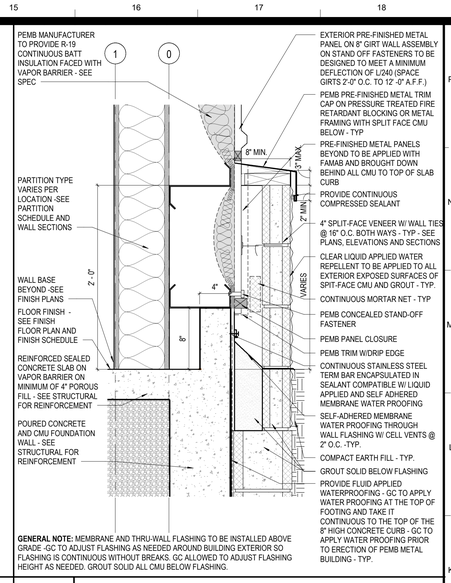
SCALE: 1/2" = 1'-0"



K12 WALL STAND-OFF FASTENERS

A1 /A350

SCALE: 1 1/2" = 1'-0"



GENERAL NOTE: MEMBRANE AND THRU-WALL FLASHING TO BE INSTALLED ABOVE GRADE -GC TO ADJUST FLASHING AS NEEDED AROUND BUILDING EXTERIOR SO FLASHING IS CONTINUOUS WITHOUT BREAKS. GC ALLOWED TO ADJUST FLASHING HEIGHT AS NEEDED. GROUT SOLID ALL CMU BELOW FLASHING.

K15 TYPICAL CMU VENEER @ PEMB

A5 /A352

SCALE: 1 1/2" = 1'-0"

GENERAL NOTE: CLEAR LIQUID APPLIED WATER REPELLENT TO BE APPLIED TO ALL EXTERIOR EXPOSED SURFACES OF SPIT-FACE CMU AND GROUT - TYP.

A1 WALL SECTION

K1 /A320

SCALE: 1/2" = 1'-0"

GENERAL NOTE: CLEAR LIQUID APPLIED WATER REPELLENT TO BE APPLIED TO ALL EXTERIOR EXPOSED SURFACES OF SPIT-FACE CMU AND GROUT - TYP.

A5 WALL SECTION

K1 /A320

SCALE: 1/2" = 1'-0"

GENERAL NOTE: CLEAR LIQUID APPLIED WATER REPELLENT TO BE APPLIED TO ALL EXTERIOR EXPOSED SURFACES OF SPIT-FACE CMU AND GROUT - TYP.

A8 WALL SECTION

E1 /A320

SCALE: 1/2" = 1'-0"

GENERAL NOTE: CLEAR LIQUID APPLIED WATER REPELLENT TO BE APPLIED TO ALL EXTERIOR EXPOSED SURFACES OF SPIT-FACE CMU AND GROUT - TYP.

A12 WALL SECTION

E1 /A320

SCALE: 1/2" = 1'-0"

GENERAL NOTE: CLEAR LIQUID APPLIED WATER REPELLENT TO BE APPLIED TO ALL EXTERIOR EXPOSED SURFACES OF SPIT-FACE CMU AND GROUT - TYP.

A15 WALL SECTION

E1 /A320

SCALE: 1/2" = 1'-0"

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REV	DATE	DESCRIPTION
1	APRIL 13 2020	ADDENDUM 4

DATE: 2-14-2020

PHASE: 100% BID DOCUMENTS

ISSUED FOR: ADDENDUM 4 (REVISION 2)

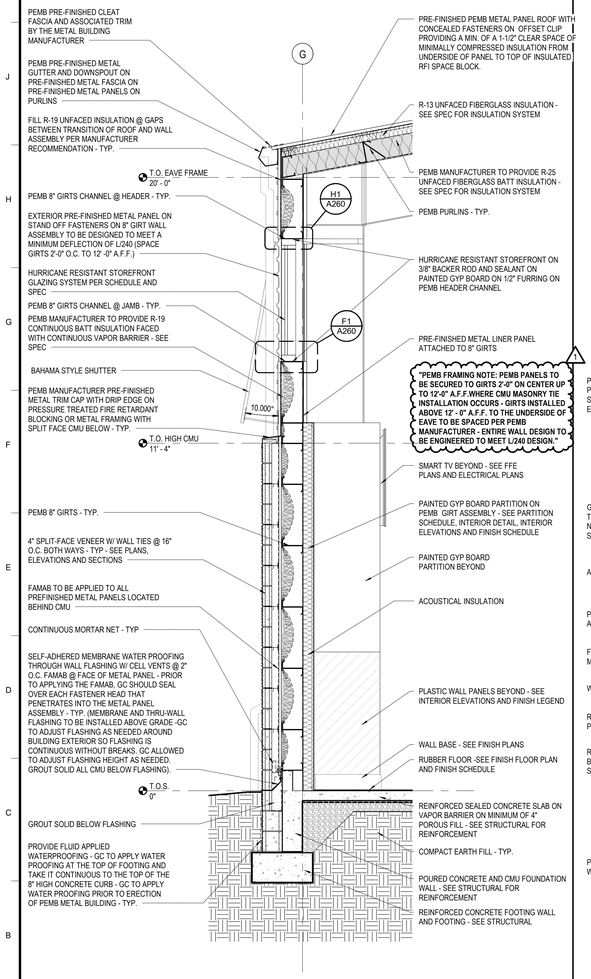
ISSUED BY: DAVIS ARCHITECTS — PROJECT NO: 3891.02

SHEET TITLE

WALL SECTIONS

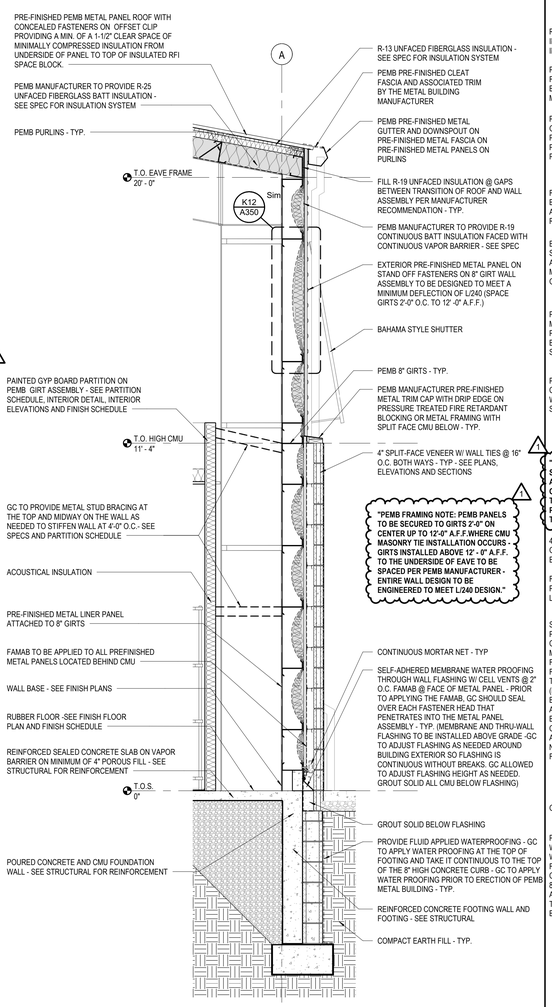
DRAWING NO.

A350



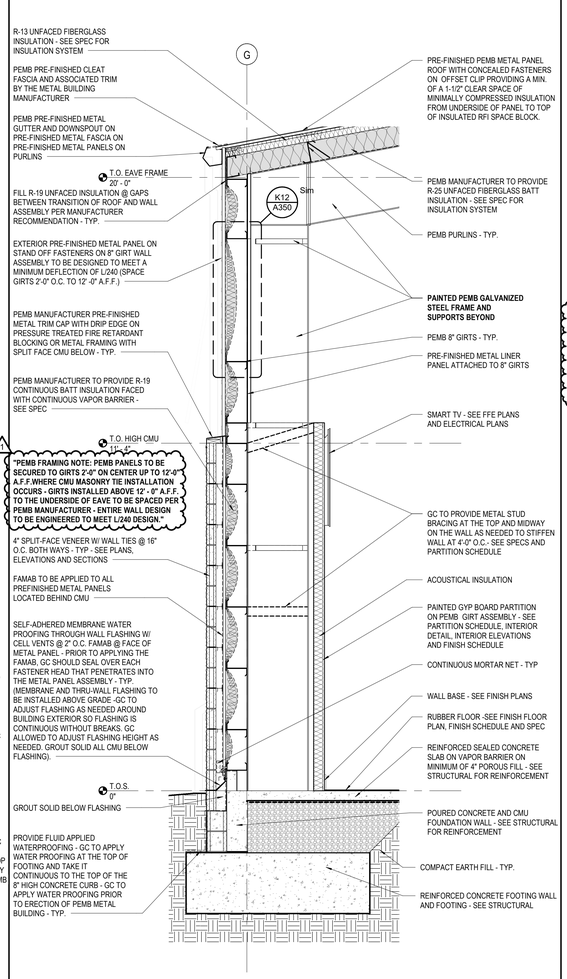
GENERAL NOTE: CLEAR LIQUID APPLIED WATER REPELLENT TO BE APPLIED TO ALL EXTERIOR EXPOSED SURFACES OF SPIT-FACE CMU AND GROUT - TYP.

A1	WALL SECTION
A1 /A320	SCALE: 1/2" = 1'-0"



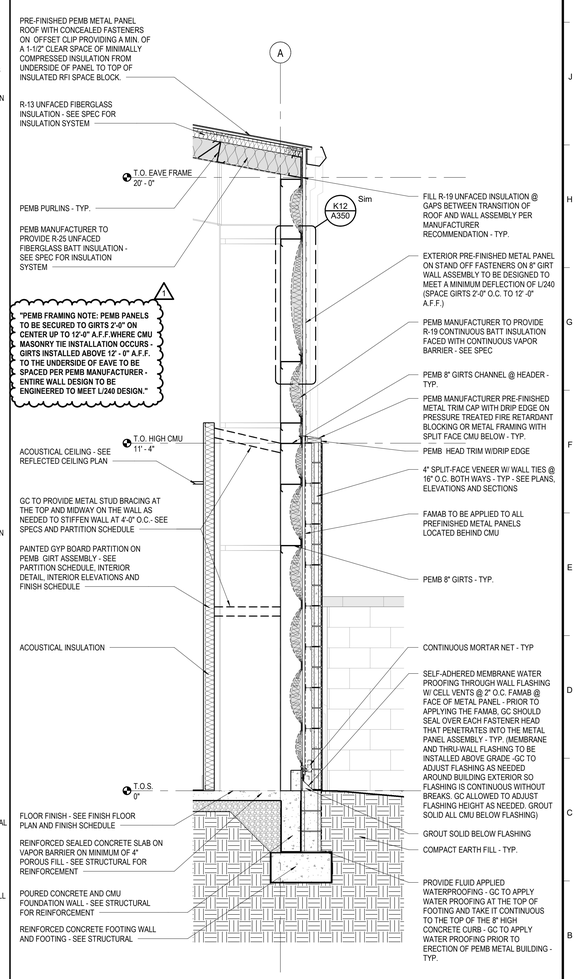
GENERAL NOTE: CLEAR LIQUID APPLIED WATER REPELLENT TO BE APPLIED TO ALL EXTERIOR EXPOSED SURFACES OF SPIT-FACE CMU AND GROUT - TYP.

A5	WALL SECTION
A1 /A320	SCALE: 1/2" = 1'-0"



GENERAL NOTE: CLEAR LIQUID APPLIED WATER REPELLENT TO BE APPLIED TO ALL EXTERIOR EXPOSED SURFACES OF SPIT-FACE CMU AND GROUT - TYP.

A10	WALL SECTION
K1 /A321	SCALE: 1/2" = 1'-0"



GENERAL NOTE: CLEAR LIQUID APPLIED WATER REPELLENT TO BE APPLIED TO ALL EXTERIOR EXPOSED SURFACES OF SPIT-FACE CMU AND GROUT - TYP.

A14	WALL SECTION
A1 /A321	SCALE: 1/2" = 1'-0"

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ORANGE BEACH RECREATION COMPLEX NEW ADULT FITNESS CENTER

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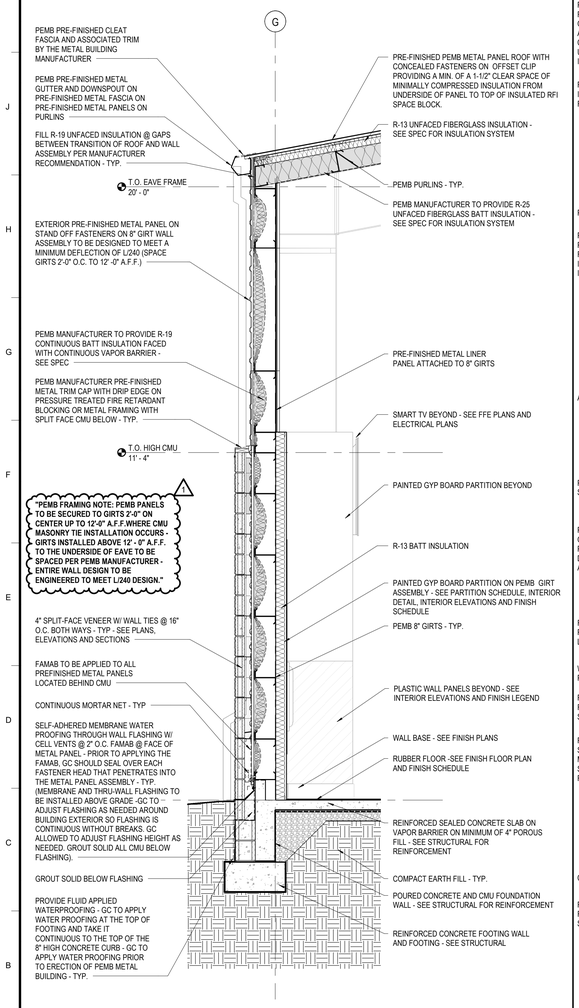
ATTN: JERRY ONWU / SID SNYDER

REV	DATE	DESCRIPTION
1	APRIL 13 2020	ADDENDUM 4

DATE: 2-14-2020
PHASE: 100% BID DOCUMENTS
ISSUED FOR: ADDENDUM 4 (REVISION 2)
ISSUED BY: DAVIS ARCHITECTS
PROJECT NO.: 3891.02

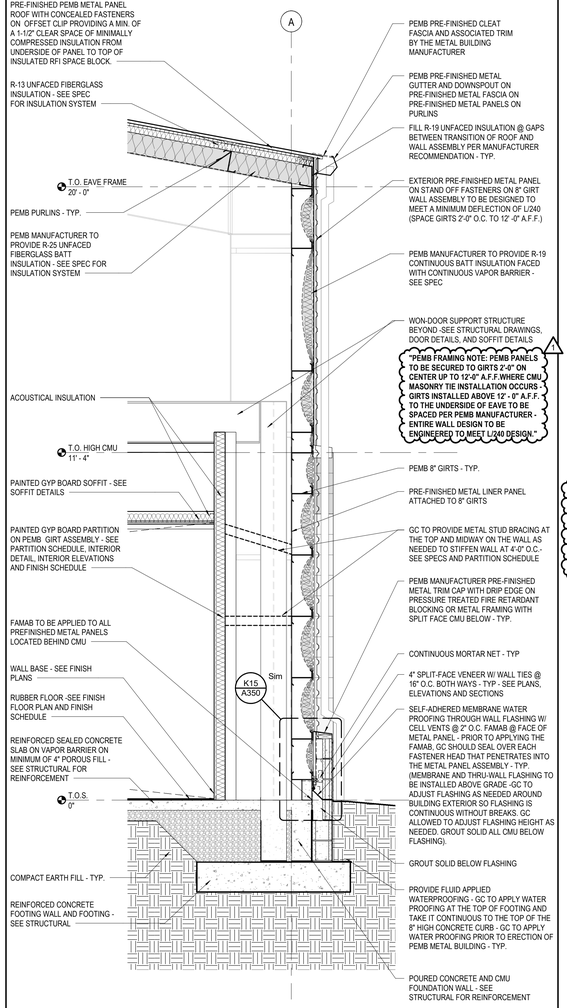
SHEET TITLE
WALL SECTIONS

DRAWING NO.
A351



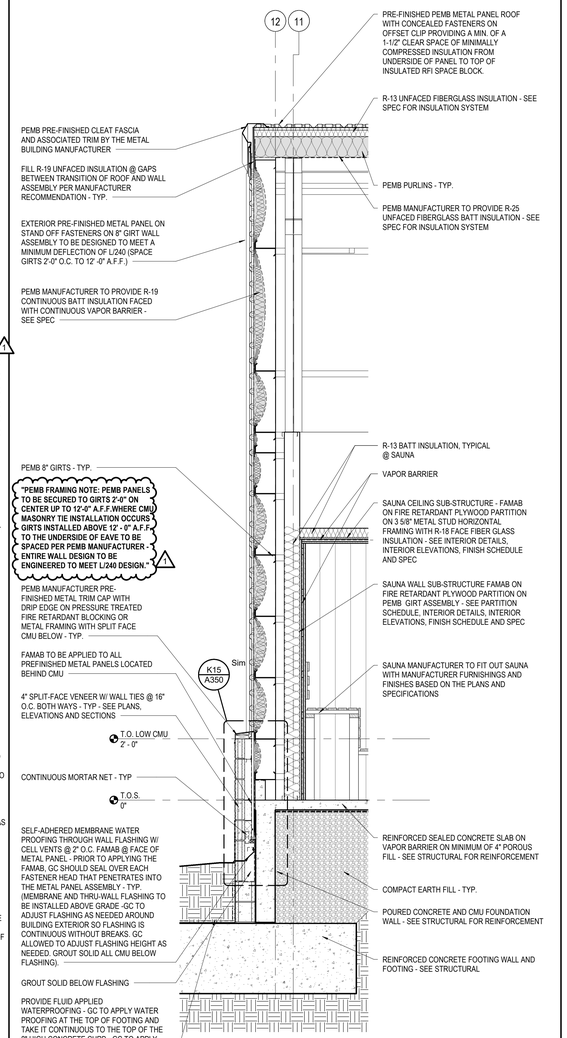
GENERAL NOTE: CLEAR LIQUID APPLIED WATER REPELLENT TO BE APPLIED TO ALL EXTERIOR EXPOSED SURFACES OF SPIT-FACE CMU AND GROUT - TYP.

A1 WALL SECTION
A1 /A321 SCALE: 1/2" = 1'-0"



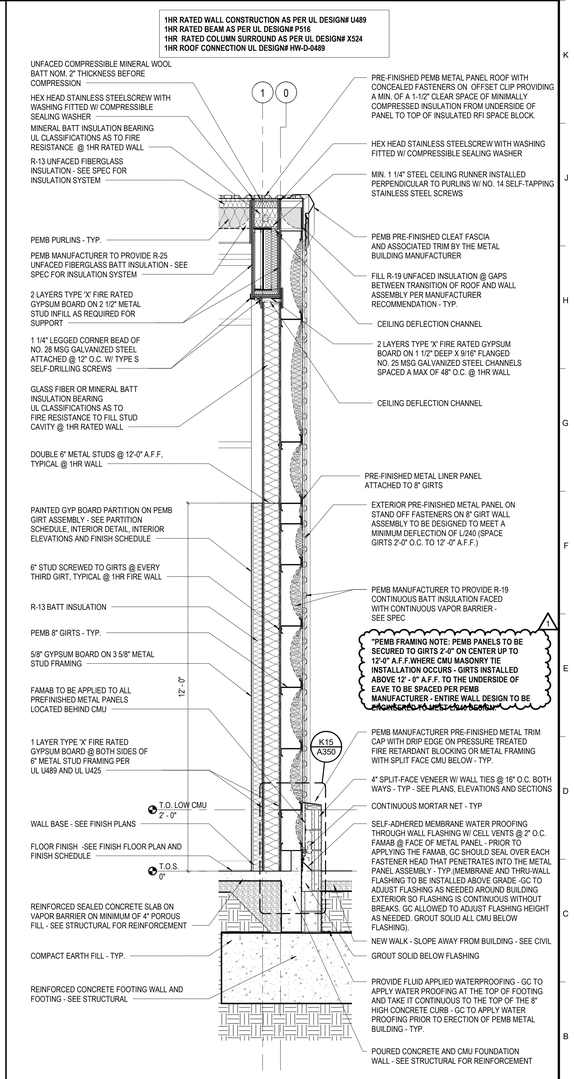
GENERAL NOTE: CLEAR LIQUID APPLIED WATER REPELLENT TO BE APPLIED TO ALL EXTERIOR EXPOSED SURFACES OF SPIT-FACE CMU AND GROUT - TYP.

A5 WALL SECTION
E1 /A321 SCALE: 1/2" = 1'-0"



GENERAL NOTE: CLEAR LIQUID APPLIED WATER REPELLENT TO BE APPLIED TO ALL EXTERIOR EXPOSED SURFACES OF SPIT-FACE CMU AND GROUT - TYP.

A10 WALL SECTION
E1 /A322 SCALE: 1/2" = 1'-0"



GENERAL NOTE: CLEAR LIQUID APPLIED WATER REPELLENT TO BE APPLIED TO ALL EXTERIOR EXPOSED SURFACES OF SPIT-FACE CMU AND GROUT - TYP.

A14 WALL SECTION - 1HR RATED
E1 /A322 SCALE: 1/2" = 1'-0"

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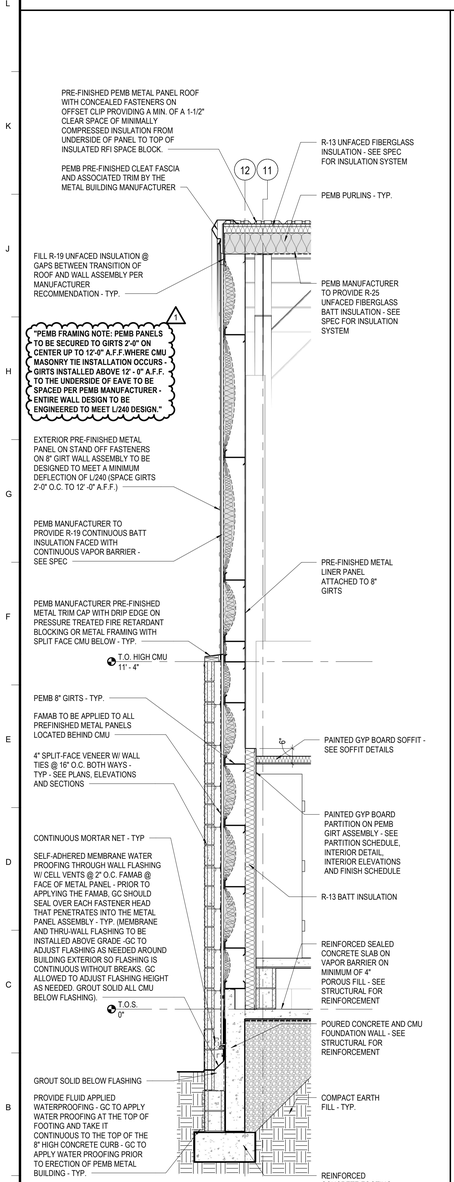
REV	DATE	DESCRIPTION
1	APRIL 13 2020	ADDENDUM 4

DATE 2-14-2020
PHASE 100% BID DOCUMENTS
ISSUED FOR ADDENDUM 4 (REVISION 2)
ISSUED BY DAVIS ARCHITECTS PROJECT NO. 3891.02

SHEET TITLE
WALL SECTIONS

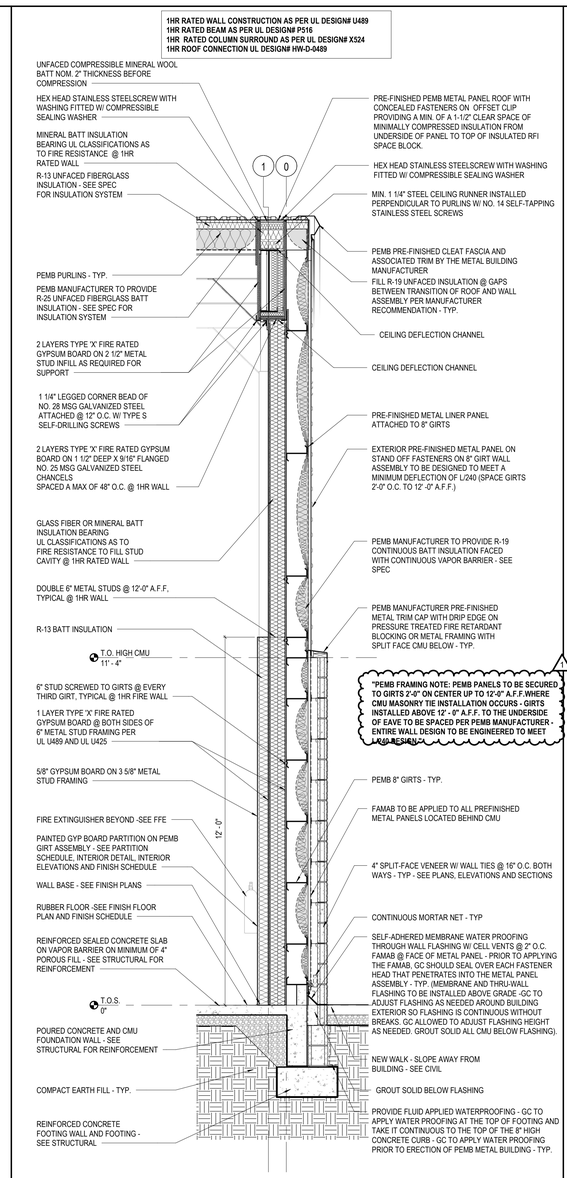
DRAWING NO.
A352



GENERAL NOTE: CLEAR LIQUID APPLIED WATER REPELLENT TO BE APPLIED TO ALL EXTERIOR EXPOSED SURFACES OF SPIT-FACE CMU AND GROUT - TYP.

A1	WALL SECTION
A1 /A322	SCALE: 1/2" = 1'-0"

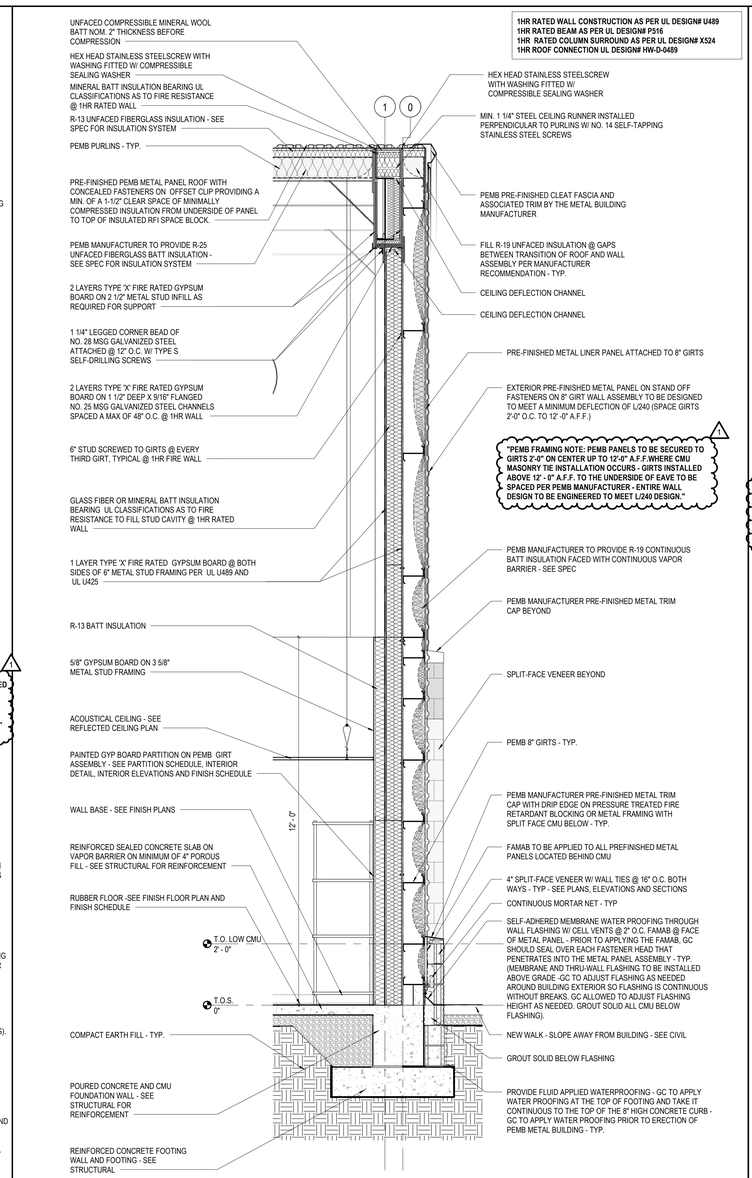
1HR RATED WALL CONSTRUCTION AS PER UL DESIGN# U489
1HR RATED BEAM AS PER UL DESIGN# P516
1HR RATED COLUMN SURROUND AS PER UL DESIGN# X524
1HR ROOF CONNECTION UL DESIGN# HW-D-0489



GENERAL NOTE: CLEAR LIQUID APPLIED WATER REPELLENT TO BE APPLIED TO ALL EXTERIOR EXPOSED SURFACES OF SPIT-FACE CMU AND GROUT - TYP.

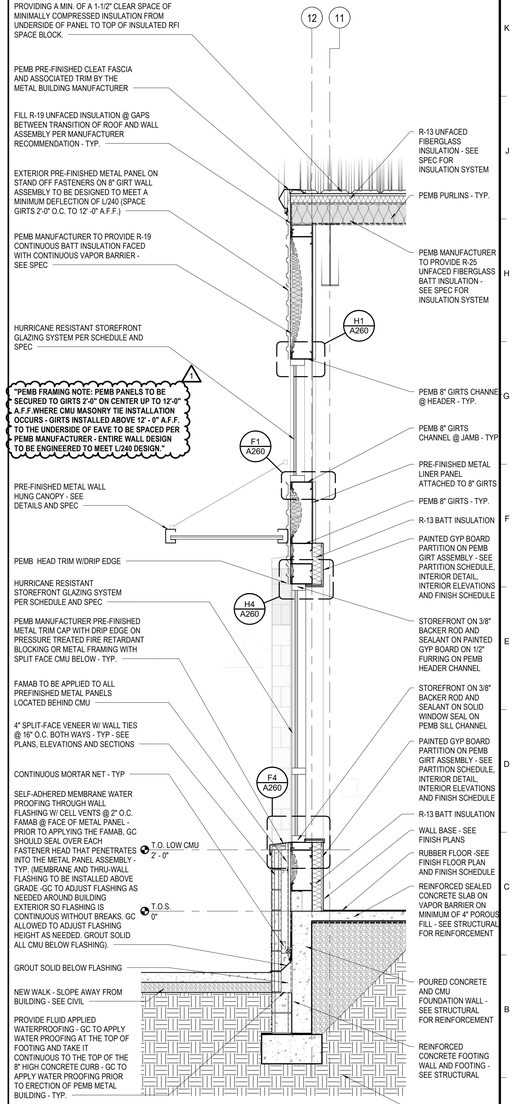
A4	WALL SECTION - 1HR RATED
A1 /A322	SCALE: 1/2" = 1'-0"

1HR RATED WALL CONSTRUCTION AS PER UL DESIGN# U489
1HR RATED BEAM AS PER UL DESIGN# P516
1HR RATED COLUMN SURROUND AS PER UL DESIGN# X524
1HR ROOF CONNECTION UL DESIGN# HW-D-0489



GENERAL NOTE: CLEAR LIQUID APPLIED WATER REPELLENT TO BE APPLIED TO ALL EXTERIOR EXPOSED SURFACES OF SPIT-FACE CMU AND GROUT - TYP.

A9	WALL SECTION - 1HR RATED
E1 /A323	SCALE: 1/2" = 1'-0"



GENERAL NOTE: CLEAR LIQUID APPLIED WATER REPELLENT TO BE APPLIED TO ALL EXTERIOR EXPOSED SURFACES OF SPIT-FACE CMU AND GROUT - TYP.

A14	WALL SECTION
E1 /A323	SCALE: 1/2" = 1'-0"

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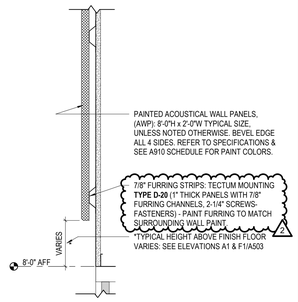
REV	DATE	DESCRIPTION
1	APRIL 13 2020	ADDENDUM 4

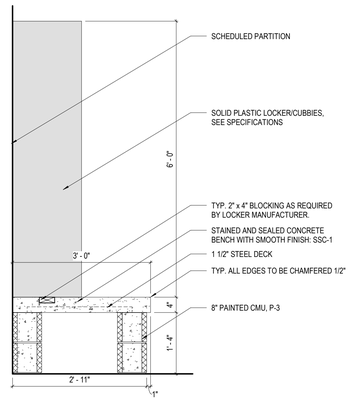
DATE: 2-14-2020
PHASE: 100% BID DOCUMENTS
ISSUED FOR: ADDENDUM 4 (REVISION 2)
ISSUED by: DAVIS ARCHITECTS
PROJECT NO.: 3891.02

SHEET TITLE
WALL SECTIONS

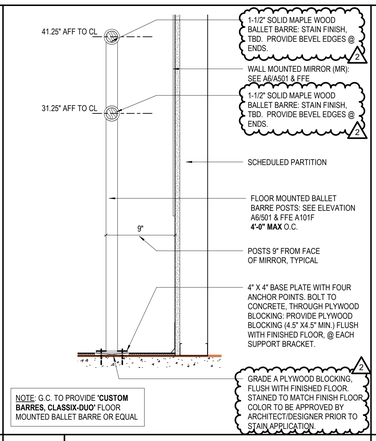
DRAWING NO.
A353



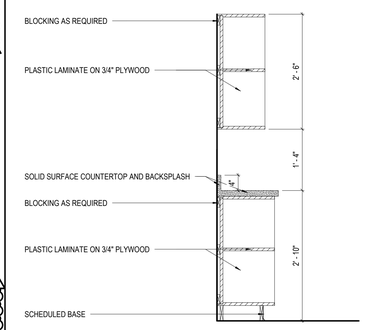
J7 — TYPICAL DETAIL @ ACOUSTICAL PANELS
A1 /A503
SCALE: 1 1/2" = 1'-0"



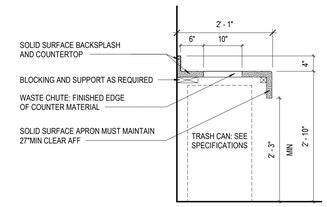
J10 — DETAIL @ LOCKER PLATFORM
SCALE: 3/4" = 1'-0"



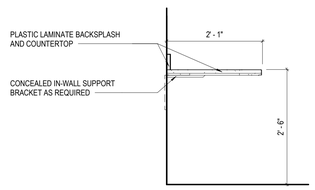
J13 — DETAIL @ BALLET BAR
A6 /A501
SCALE: 1 1/2" = 1'-0"



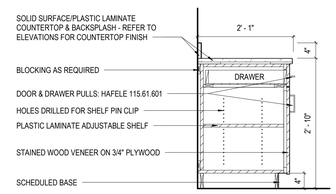
J16 — SECTION @ MILLWORK
SCALE: 3/4" = 1'-0"



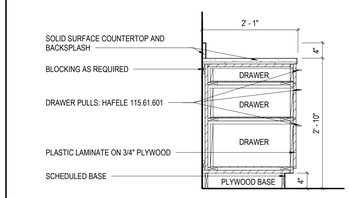
E1 — SECTION @ MILLWORK
SCALE: 3/4" = 1'-0"



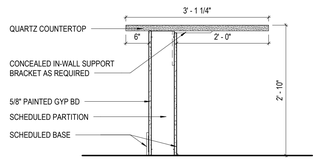
E4 — SECTION @ MILLWORK
SCALE: 3/4" = 1'-0"



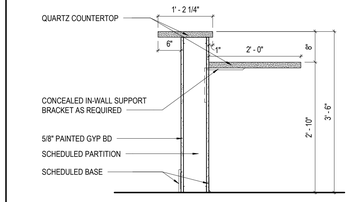
E7 — SECTION @ MILLWORK
SCALE: 3/4" = 1'-0"



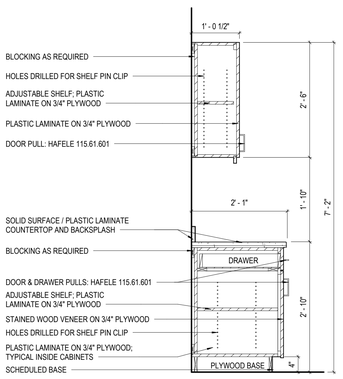
E10 — SECTION @ MILLWORK
SCALE: 3/4" = 1'-0"



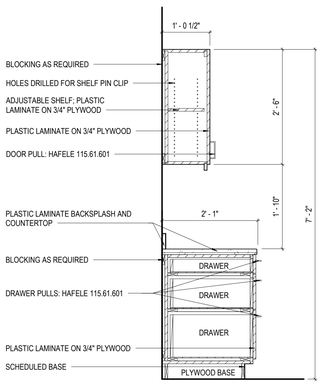
E13 — SECTION @ CHECK-IN COUNTER
SCALE: 3/4" = 1'-0"



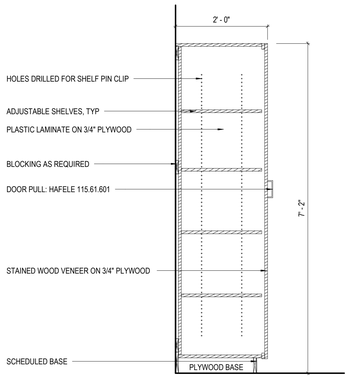
E16 — SECTION @ CHECK-IN COUNTER
SCALE: 3/4" = 1'-0"



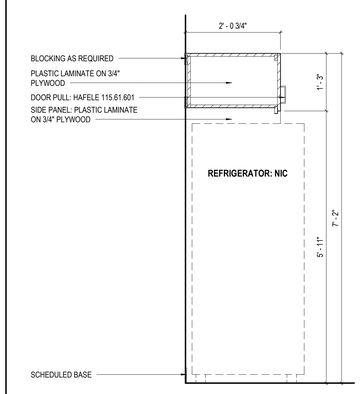
A1 — SECTION @ MILLWORK
SCALE: 3/4" = 1'-0"



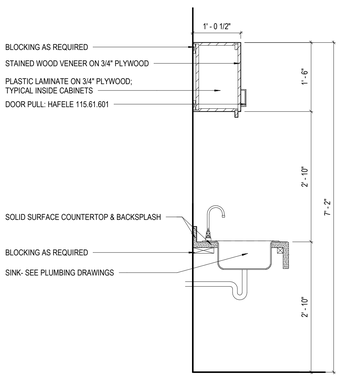
A4 — SECTION @ MILLWORK
SCALE: 3/4" = 1'-0"



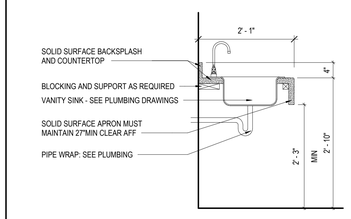
A7 — SECTION @ MILLWORK
SCALE: 3/4" = 1'-0"



A10 — SECTION @ MILLWORK
SCALE: 3/4" = 1'-0"



A13 — SECTION @ MILLWORK
SCALE: 3/4" = 1'-0"



A16 — SECTION @ MILLWORK
SCALE: 3/4" = 1'-0"

STATE OF ALABAMA
DAVIS ARCHITECTS
2413
NEIL E. DAVIS
REGISTERED ARCHITECT

ORANGE BEACH RECREATION COMPLEX NEW ADULT FITNESS CENTER

CITY OF ORANGE BEACH ;
ORANGE BEACH, AL

DAVIS

OWNER
CITY OF ORANGE BEACH
PO BOX 458
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ATTN: KEN GRIMES, JR.

ASSOCIATE ARCHITECT
MCCOLLOUGH ARCHITECTURE
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ORANGE BEACH, AL 36561
251-968-7222
ATTN: STED MCCOLLOUGH

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CIVIL ENGINEER
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SPANISH FORT, AL 36527
251-544-7900
ATTN: ERCIL E. GODWIN / DOUG CHAFFIN

STRUCTURAL ENGINEER
MBA ENGINEERS
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205-323-6385
ATTN: KEITH OWENS / MARK BOGER

MECHANICAL / PLUMBING ENGINEER
GULF STATES ENGINEERING
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MOBILE, AL 36609
251-460-4646
ATTN: CHRIS DEARMON / VAN SIMPSON

FIRE PROTECTION ENGINEER
GULF STATES ENGINEERING
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MOBILE, AL 36609
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ATTN: TOM WADE / BRIAN DOVE

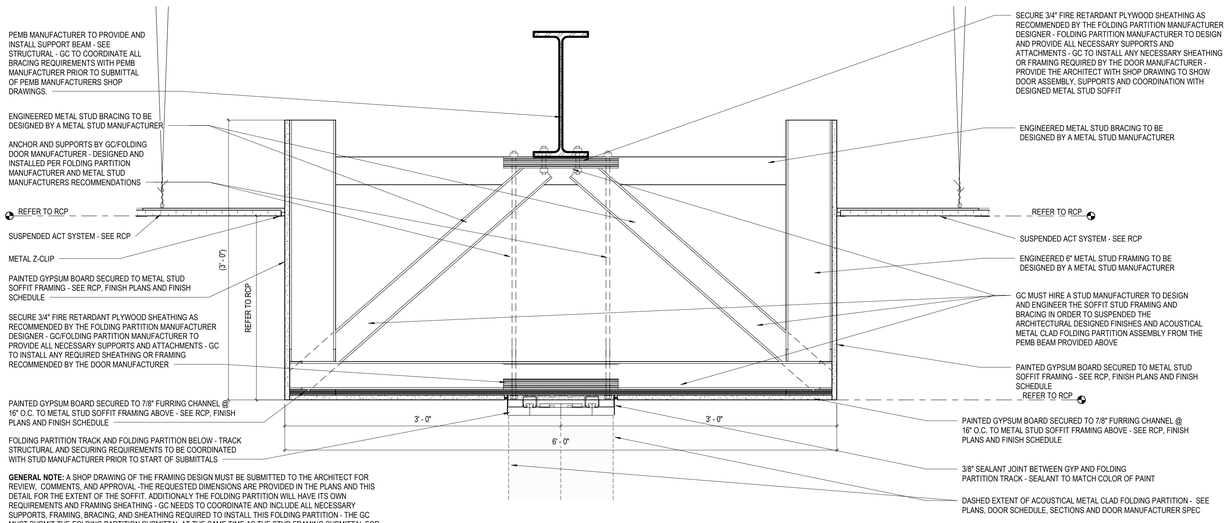
ELECTRICAL ENGINEER
GULF STATES ENGINEERING
600 AZALEA ROAD,
MOBILE, AL 36609
251-460-4646
ATTN: JERRY ONWU / SID SNYDER

REV	DATE	DESCRIPTION
1	MARCH 24, 2020	ADDENDUM 3
2	APRIL 13 2020	ADDENDUM 4

DATE: 2-14-2020
PHASE: 100% BID DOCUMENTS
ISSUED FOR: ADDENDUM 4 (REVISION 2)
ISSUED BY: DAVIS ARCHITECTS
PROJECT NO.: 3891.02

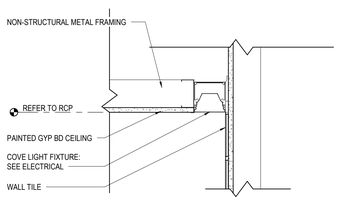
SHEET TITLE
INTERIOR DETAILS

DRAWING NO.
A530
4



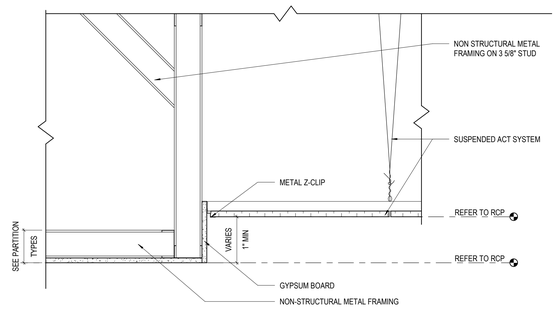
D1 CEILING DETAIL @ OPERABLE PARTITION

SCALE: 1 1/2" = 1'-0"



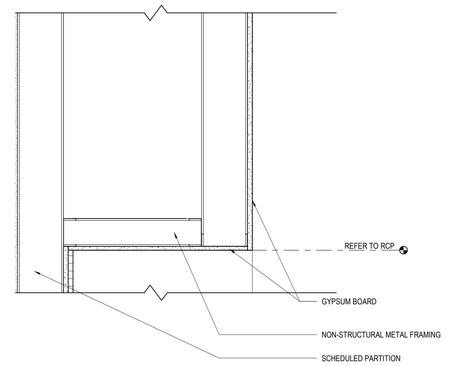
A1 TYP. CEILING DETAIL @ RESTROOM COVE LIGHT

SCALE: 1 1/2" = 1'-0"



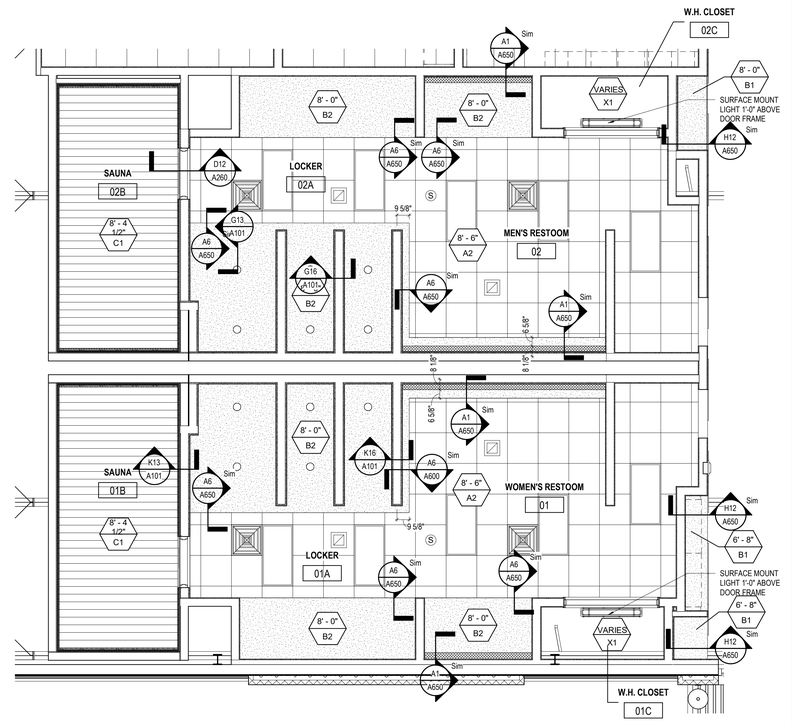
A6 TYP. CEILING DETAIL @ GYP BD TO ACT

SCALE: 1 1/2" = 1'-0"



H12 TYPICAL CEILING DETAIL @ GYP BD SOFFIT

A1 /A202 SCALE: 1 1/2" = 1'-0"



A12 ENLARGED RCP @ RESTROOMS AND LOCKERS

A1 /A601 SCALE: 1/4" = 1'-0"

TRUE NORTH PROJECT NORTH

0' 2' 4' 8'

STATE OF ALABAMA
DAVIS ARCHITECTS
2413
NEIL E. DAVIS
REGISTERED ARCHITECT

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ORANGE BEACH, AL

DAVIS

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REV	DATE	DESCRIPTION
1	APRIL 13 2020	ADDENDUM 4

DATE 2-14-2020

PHASE 100% BID DOCUMENTS

ISSUED FOR ADDENDUM 4 (REVISION 2)

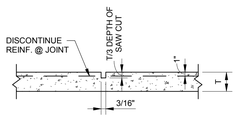
ISSUED BY DAVIS ARCHITECTS PROJECT NO. 3891.02

SHEET TITLE

ENLARGED RCP & CEILING DETAILS

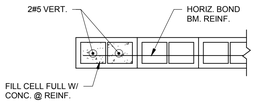
DRAWING NO.

A650

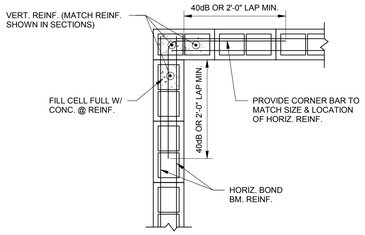


TYPICAL SAWED CONTROL JOINT

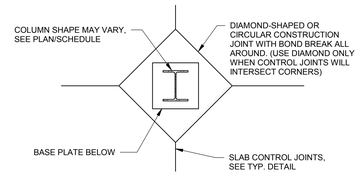
NOTES:
1. USE SAWS, BLADES AND SKID PLATES BY SOFF-CUT INTERNATIONAL OR EQUAL.
2. SEE PLAN FOR JOINT LAYOUT.
3. START CUTTING SAWED JOINTS AS SOON AS CONCRETE HAS HARDENED SUFFICIENTLY TO PREVENT RAVELING OR DISLODGING OF AGGREGATES. THIS WILL TYPICALLY BE FROM 1 HOUR IN HOT WEATHER TO 4 HOURS IN COLD WEATHER AFTER COMPLETING FINISHING OF SLAB IN THAT JOINT LOCATION.
4. EXTEND SAWED JOINT TO THE SLAB BOUNDARIES AND ABUTMENTS, INCLUDING COLUMNS, DRAINS AND OTHER PENETRATIONS IN THE PATH OF A DEFINED JOINT. IMPLEMENT METHODS AND TIMING OF THE SAW CUT BEYOND THE LIMITS OF THE SOFF-CUT SAW REACH TO PROVIDE A CONSISTENT DEPTH OF CUT WITH MINIMAL RAVELING OF JOINT EDGES.
5. T = SLAB THICKNESS (SEE PLAN)



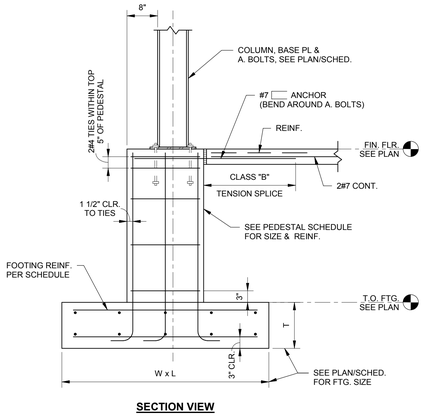
TYPICAL JAMB AND END OF MASONRY WALL REINF. DETAIL



TYPICAL CORNER MASONRY WALL REINF. DETAIL

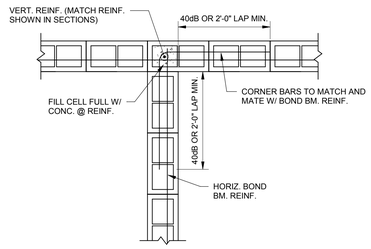


PLAN VIEW

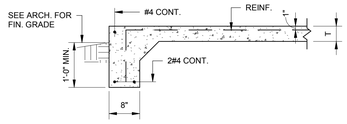


SECTION VIEW

TYPICAL COLUMN FOOTING DETAILS

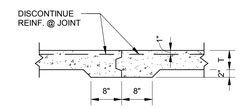


TYPICAL INTERSECTION MASONRY WALL REINF. DETAIL



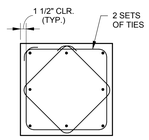
TYPICAL TURNDOWN SLAB DETAIL

NOTE:
T = SLAB THICKNESS (SEE PLAN)



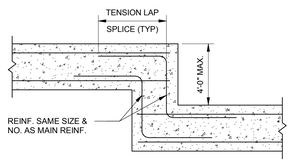
TYPICAL KEYED CONTROL JOINT

NOTES:
1. T=SLAB THINKNESS (SEE PLAN)
2. SEE PLAN FOR LOCATION OF JOINTS

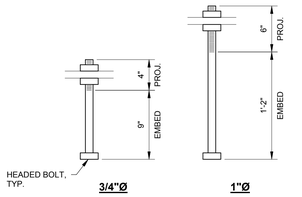


8 BAR SQ.

TYPICAL PEDESTAL TIE ARRANGEMENTS

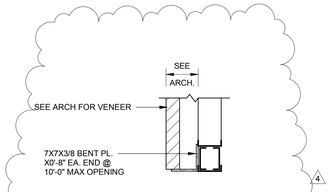


TYPICAL FOOTING STEP DETAIL

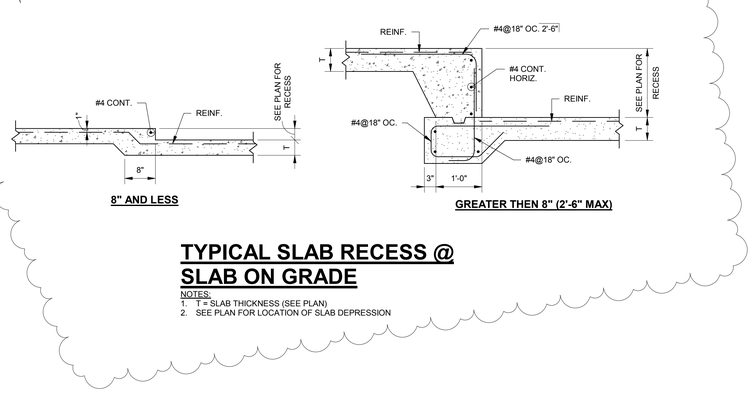


TYPICAL ANCHOR BOLT DETAILS

USE ASTM F1554 GRADE 55 WITH WELDABILITY
SUPPLEMENT S1 FOR ALL ANCHOR BOLTS UNO.



TYPICAL LOOSE LINTEL DETAIL

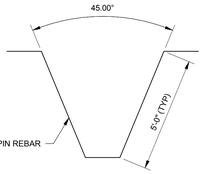


8" AND LESS

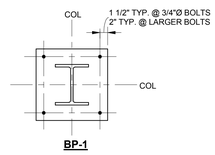
GREATER THEN 8" (2'-6" MAX)

TYPICAL SLAB RECESS @ SLAB ON GRADE

NOTES:
1. T = SLAB THICKNESS (SEE PLAN)
2. SEE PLAN FOR LOCATION OF SLAB DEPRESSION

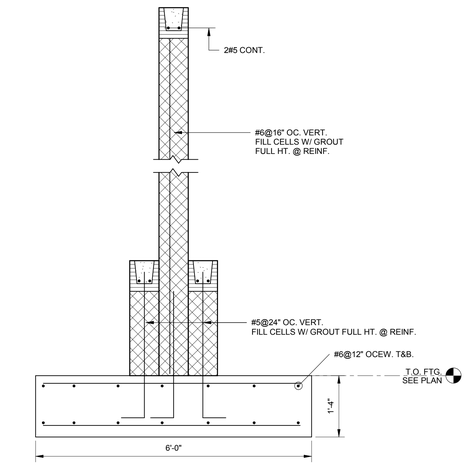


TYPICAL HAIRPIN DETAIL

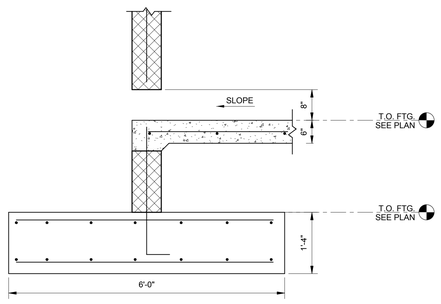


BP-1

TYPICAL BASE PLATE DETAIL



TYPICAL SIGN FOUNDATION DETAIL



TYPICAL MECHANICAL PAD SCUPPER DETAIL

ALABAMA LICENSED
No. 25472
PROFESSIONAL
ENGINEER
PHILLIP BRIAN YOUNG

ORANGE BEACH RECREATION COMPLEX NEW ADULT FITNESS CENTER

CITY OF ORANGE BEACH ;
ORANGE BEACH, AL

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REV	DATE	DESCRIPTION
4	4-13-2020	ADDENDUM 4

DATE: 02-14-2020
PHASE: 100% BID DOCUMENTS
ISSUED FOR: ADDENDUM 4 (REVISION 2)
ISSUED BY: DAVIS ARCHITECTS
PROJECT NO.: 3981.02

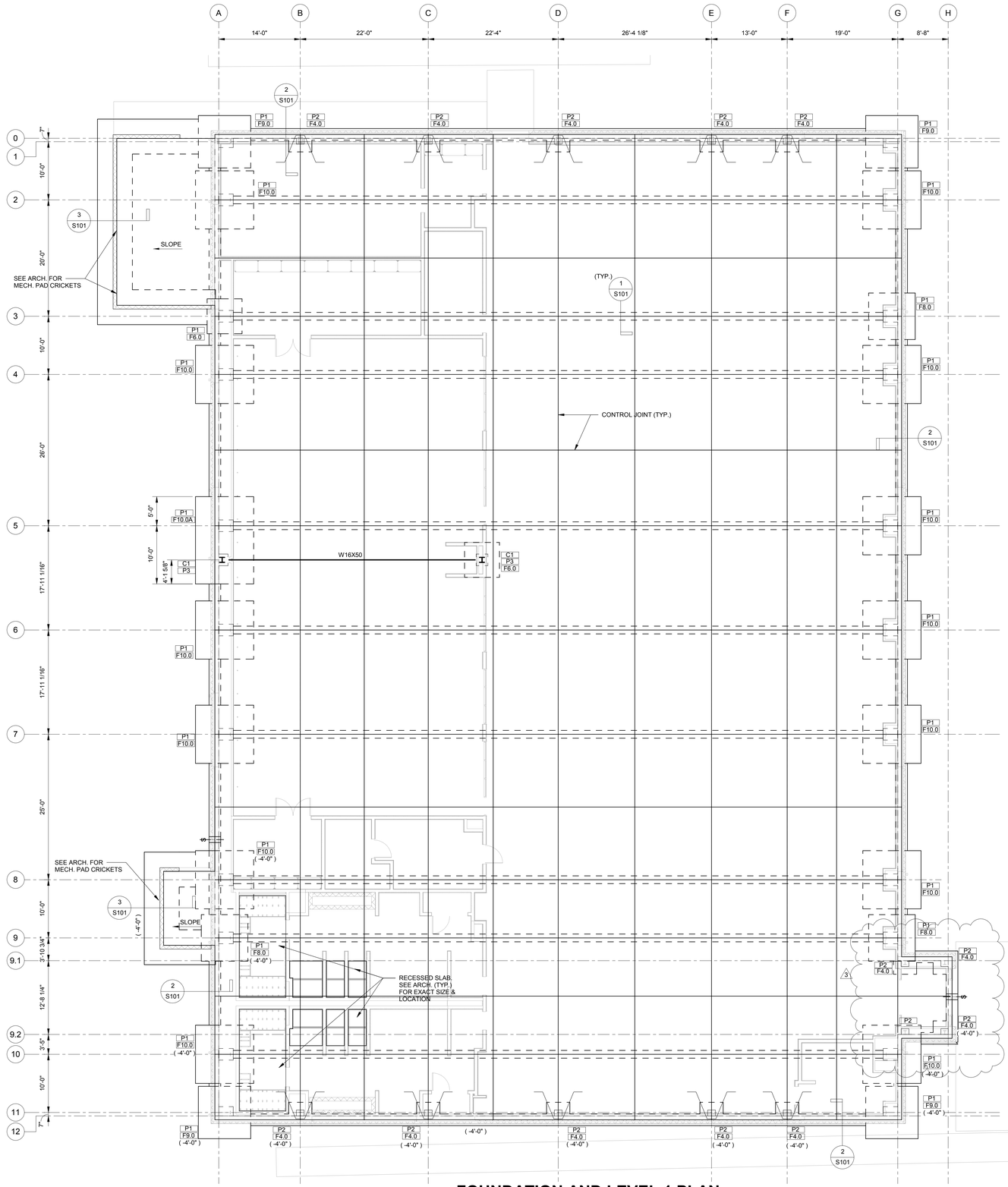
SHEET TITLE

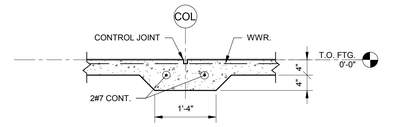
TYPICAL DETAILS

DRAWING NO.

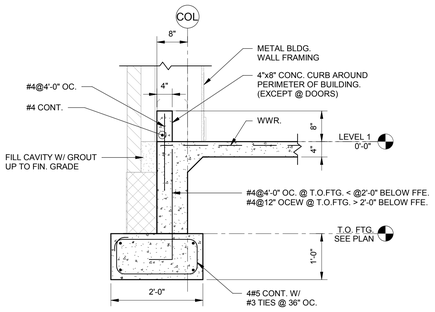
S002

MBA ENGINEERS, INC.
CIVIL AND STRUCTURAL ENGINEERS
P(205) 323-6385 F(205) 324-0698





1 S101 SECTION 3/4" = 1'-0"



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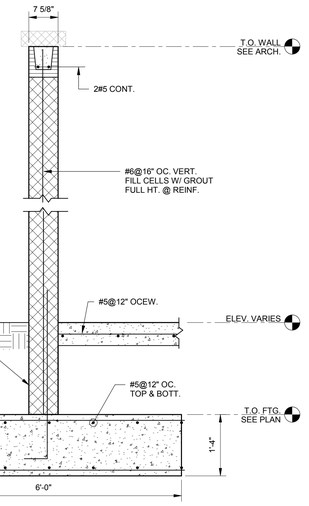

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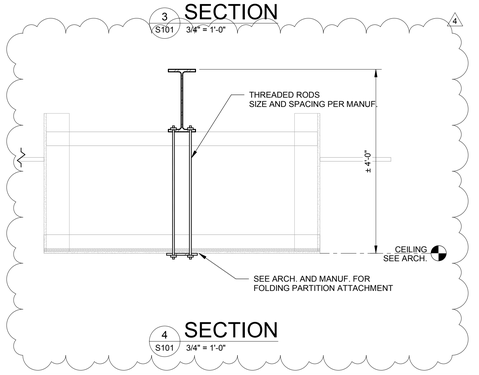

4 S101 SECTION 3/4" = 1'-0"

PEDESTAL SCHEDULE

MARK	SIZE WIDTH	SIZE HEIGHT	REINFORCING	TIES	REMARKS
P1	24"	36"	8#10	2#4 @ 12" OC.	
P2	16"	16"	8#6	2#4 @ 12" OC.	
P3	24"	24"	8#8	2#4 @ 12" OC.	

FOOTING SCHEDULE

MARK	FOOTING SIZE WIDTH	LENGTH	THICKNESS	REINFORCING
F4.0	4'-0"	4'-0"	1'-0"	5#5 EW. TOP & BOTT.
F6.0	6'-0"	6'-0"	2'-0"	6#6 EW. TOP & BOTT.
F8.0	8'-0"	8'-0"	2'-0"	9#6 EW. TOP & BOTT.
F9.0	9'-0"	9'-0"	2'-4"	9#7 EW. TOP & BOTT.
F10.0	10'-0"	10'-0"	2'-8"	10#7 EW. TOP & BOTT.
F10.0A	10'-0"	15'-0"	2'-8"	16#7 L.W. TOP & BOTT. 12#7 S.W. TOP & BOTT.

FOUNDATION AND LEVEL 1 PLAN

1/8" = 1'-0" FIN. FLR. ELEV. = 0'-0"

FLOOR CONSTRUCTION:
4" N.W. CONC. SLAB ON DRAINAGE FILL. REINF. W/ 6x6-W1.4xW1.4 WWR.

MECH. PAD:
6" N.W. CONC. SLAB ON DRAINAGE FILL, REINF. W/ #5@12" OCEW.

NOTES:
1. TOP OF FOOTING ELEV. = -2'-0" BELOW FIN. FLR UNLESS NOTED THUSLY, (-X'-X").
2. PROVIDE THICKENED SLAB AS REQUIRED AT ANY WALL OPENING LOCATIONS WHERE METAL BUILDING STRUCTURE REQUIRES ANCHOR BOLTS.

COLUMN SCHEDULE

MARK	SIZE	BASE PLATE	BASE PLATE DETAIL	ANCHOR BOLTS	ANCHOR BOLT DETAIL	REMARKS
C1	W10X60	16X1X1'-4"	BP-1	(4)- 3/4"Ø	AB-1	

ALABAMA LICENSED No. 25472 PROFESSIONAL ENGINEER PHILLIP BRIAN YOUNG

ORANGE BEACH RECREATION COMPLEX NEW ADULT FITNESS CENTER

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REV	DATE	DESCRIPTION
3	3-24-2020	ADDENDUM 3
4	4-13-2020	ADDENDUM 4

DATE: 02-14-2020
PHASE: 100% BID DOCUMENTS
ISSUED FOR: ADDENDUM 4 (REVISION 2)
ISSUED BY: DAVIS ARCHITECTS
PROJECT NO: 3981.02

SHEET TITLE: FOUNDATION AND LEVEL 1 PLAN

DRAWING NO.: S101

MBA ENGINEERS, INC.
CIVIL AND STRUCTURAL ENGINEERS
P:[205] 323-6385 F:[205] 324-0698

GENERAL PLUMBING NOTES:

1. FURNISH ALL LABOR, MATERIALS, TOOLS, INCIDENTALS AND DETAILS NECESSARY TO PROVIDE A COMPLETE SANITARY, VENTING AND DOMESTIC WATER SYSTEM. INCLUDE ANY LABOR AND MATERIAL NOT SPECIFICALLY MENTIONED, BUT NECESSARY TO PROVIDE A COMPLETE AND OPERATING SYSTEM. ALL WORK SHALL BE INSTALLED IN A PROFESSIONAL MANNER AND SHALL MEET ALL THE REQUIREMENTS OF THE 2015 IPC, NFPA AND ALL OTHER APPLICABLE CODES AND REQUIREMENTS. ALL COSTS FOR SAID REQUIREMENTS SHALL BE INCLUDED IN THIS CONTRACTORS BID PRICE.
2. THIS CONTRACTOR SHALL SECURE AND PAY FOR ALL REQUIRED PERMITS AND INSPECTIONS AND PERFORM ALL TESTS CALLED FOR OR REQUIRED AS A PART OF HIS WORK. FURNISHED APPROVED CERTIFICATE OF FINAL INSPECTION, AND TURN OVER TO OWNER AT COMPLETION OF PROJECT.
3. PLUMBING PLANS ARE DIAGRAMMATIC, NOT SHOWING EVERY ITEM IN EXACT LOCATION OR DETAIL. MEASUREMENTS AND LOCATIONS MUST BE FIELD VERIFIED AND COORDINATED WITH ARCHITECTURAL, HVAC, FIRE PROTECTION, STRUCTURAL, ELECTRICAL AND OTHER BUILDING DRAWINGS.
4. LAY OUT PIPING BASICALLY AS SHOWN. MAJOR CHANGES IN LAYOUT MAY BE MADE ONLY WITH WRITTEN CONSENT OF ARCHITECT OR ENGINEER.
5. COLOR OF FIXTURES AND TRIM SHALL BE AS SELECTED BY OWNER/ARCHITECT.
6. FIXTURES INDICATED AS BARRIER FREE SHALL COMPLY WITH THE AMERICANS WITH DISABILITIES ACT (ADA).
7. PROVIDE WATER HAMMER ARRESTORS ON POTABLE WATER ROUGH-INS AS INDICATED ON DRAWINGS.
8. PROVIDE ELECTRICAL CONTRACTOR WITH EXACT WIRING REQUIREMENTS. IF ELECTRICAL REQUIREMENTS VARY FROM THOSE INDICATED ON PLANS, PLUMBING CONTRACTOR SHALL BE RESPONSIBLE FOR ANY ASSOCIATED ADDITIONAL COSTS.
9. REFER TO SITE PLAN FOR ROUTING OF WATER AND SEWER.
10. ALL WATER LINES, BOTH HOT AND COLD, SHALL BE AS FOLLOWS:
    A. LINES BELOW GRADE SHALL BE TYPE "K" SOFT COPPER.
    B. LINES ABOVE GRADE SHALL BE SCH 80 PVC AND CPVC.
    C. FITTINGS SHALL BE OF HARD DRAWN COPPER OF ASTM SPEC B-88.
    D. ALL JOINTING SHALL BE WITH LEAD-FREE SILVER SOLDER.
    E. EQUIPPED WITH SHOCK ABSORBERS AS REQUIRED.
11. PLUMBING CONTRACTOR SHALL FURNISH & INSTALL SHUT-OFF VALVES TO ALL FIXTURES NOT OTHERWISE EQUIPPED.
12. ALL WASTE PIPING SHALL BE SCHEDULE 40 PVC CONFORMING TO ASTM D-1785. PIPING SMALLER THAN 3" SHALL BE LAID OUT AT 1/4" PER FOOT GRADE. PIPING 3" AND LARGER SHALL BE LAID OUT AT 1/8" PER FOOT GRADE. ALL VENT PIPING WITHIN PLENUM OR AIR-HANDLING SPACES SHALL BE COPPER OR CAST IRON.
13. ALL WATER LINES, BOTH HOT AND COLD, SHALL BE CAPPED AND TESTED AT 100 PSI FOR 24 HOURS. ALL WASTE PIPING SHALL BE TESTED WITH A 10' WATER COLUMN FOR A 2 HR PERIOD WITH NO CHANGE IN LEVEL.
14. VENT PIPING SHALL BE LAID OUT SUCH THAT ALL ROOF PENETRATIONS SHALL BE ON BACK SIDE OF ROOF. PAINT EXPOSED VENT PIPING TO MATCH ROOF.
15. COORDINATE ROOF PENETRATIONS WITH ROOFING CONTRACTOR. ENSURE THAT WARRANTY REQUIREMENTS OF ROOFING MANUFACTURER ARE SATISFIED.
16. MATERIALS, EQUIPMENT, AND INSTALLATION SHALL BE GUARANTEED FOR A PERIOD OF ONE (1) YEAR FROM DATE OF ACCEPTANCE. DEFECTS WHICH APPEAR DURING THIS PERIOD SHALL BE CORRECTED AT THE MECHANICAL CONTRACTOR'S EXPENSE.
17. INSULATE HOT WATER MAINS AND RETURN ONLY.

FIXTURE CONNECTION NOTES:

1. CONNECT TO PLUMBING FIXTURES AND EQUIPMENT PROVIDED UNDER THIS AND OTHER SECTIONS OF SPECIFICATION, ARCHITECTURAL DRAWINGS, AND MANUFACTURER'S SHOP DRAWINGS. PROVIDE ROUGH-IN CONNECTION AS SHOWN IN DRAWINGS.
2. USE FIXTURE SCHEDULE AND DETAILS ON DRAWINGS OR MANUFACTURER'S SHOP DRAWINGS FOR CONNECTION SIZES TO FIXTURES.
3. PROVIDE SEPARATE P-TRAP FOR EACH FIXTURE, FLOOR DRAIN, AND PIECE OF EQUIPMENT.
4. PROVIDE CAST IRON P-TRAPS FOR UNDER FLOOR DRAINS.
5. MOUNT FIXTURES RIGID TO WALLS AS SHOWN ON DRAWINGS OR DETAILS.
6. PROVIDE OUTLET DEVICES WHICH LIMIT FLOW OF HOT WATER TO LAVATORIES AND HAND SINKS TO A MINIMUM OF 0.5 GPH AND SIZED AS RECOMMENDED BY MANUFACTURER AND AS REQUIRED BY ASHRAE STANDARD 90-75, PARAGRAPH 7.7.2, LOCAL AND STATE ENERGY CODES.
7. INSTALL LAVATORIES AND HAND SINKS WITH A MINIMUM OF 4" CLEARANCE ON EACH SIDE FROM WALL OR PARTITION.
8. COORDINATE DIMENSIONS REQUIRED FOR MINIMUM FIXTURE CLEARANCE WITH OTHER DIVISIONS.
9. INSTALL APPROVED CAULKING AROUND JOINTS AT FIXTURES MOUNTED ON WALL OR FLOOR.
10. INSTALL INSULATED PIPE WRAP ON HOT WATER LINES FOR ALL ADA FIXTURES.

PLUMBING SYMBOL LEGEND

- COLD WATER PIPING
- HOT WATER PIPING
- SAN — SANITARY PIPING
- WASTE VENT PIPING
- PIPE TURNING UP
- PIPE TURNING DOWN
- WALL CLEANOUT
- CLEANOUT
- HOSE BIBB
- TIE IN TO EXISTING

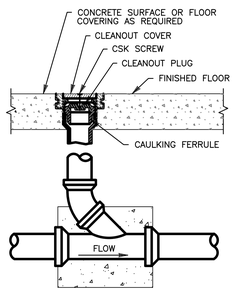
PLUMBING FIXTURE SCHEDULE

WC-1 WATER CLOSET, FLOOR MOUNTED FLUSH VALVE, ELONGATED – ZURN ECOVANTAGE SERIES, LOW CONSUMPTION, Z5655; ZURN Z6000AV-HET 1.28 GPF FLUSH VALVE W/SPLIT RING PIPE SUPPORT; ZURN Z5955SS-EL OPEN FRONT SEAT WITHOUT COVER; BRASSCRAFT CR1912DL SUPPLY. MOUNT FIXTURE WITH RIM AT 15" AFF. CONNECTIONS: CW 1-1/2", WASTE 3", VENT 2" MIN.
WC-2 ADA WATER CLOSET, FLOOR MOUNTED FLUSH VALVE, ELONGATED – ZURN ECOVANTAGE SERIES, LOW CONSUMPTION, Z5665; ZURN Z6000AV-HET 1.28 GPF FLUSH VALVE W/SPLIT RING PIPE SUPPORT; ZURN Z5955SS-EL OPEN FRONT SEAT WITHOUT COVER; BRASSCRAFT CR1912DL SUPPLY. MOUNT FIXTURE AT ADA HEIGHT WITH RIM AT 16-3/4" AFF. CONNECTIONS: CW 1-1/2", WASTE 3", VENT 2" MIN.
UR-1 URINAL (ADA) WALL MOUNTED, ZURN ECOVANTAGE SERIES, LOW CONSUMPTION Z5798.207; VITREOUS CHINA WITH ZURN Z6003AV-ULF FLUSH VALVE WITH SPLIT RING PIPE SUPPORT. INSTALL RIM OF URINAL NO HIGHER THAN 17" AFF. CONNECTIONS: CW 3/4", WASTE 2", VENT 2"
UR-2 URINAL WALL MOUNTED, ZURN ECOVANTAGE SERIES, LOW CONSUMPTION Z5798.207; VITREOUS CHINA WITH ZURN Z6003AV-ULF FLUSH VALVE WITH SPLIT RING PIPE SUPPORT. INSTALL RIM OF URINAL 24" AFF. CONNECTIONS: CW 3/4", WASTE 2", VENT 2"
LV-1 LAVATORY, SELF RIMMING, COUNTER MOUNTED – ZURN Z5124 SERIES WITH VITREOUS CHINA CONSTRUCTION AND 4" FAUCET CENTERS; ZURN Z831R4 FAUCET WITH LEVER HANDLES, ZURN Z8800 SUPPLIES; ZURN Z8700 TRAP; Z8743-PC ADA GRID STRAINER; ZURN Z8946-3-NT ADA PROTECTORS, CONNECTIONS: CW 1/2", HW 1/2", WASTE 1 1/4". MOUNT AT 34" TOP OF RIM FOR ADA REQUIRED MOUNTING HEIGHT.
EWC-1 ELECTRIC WATER COOLER, OASIS PBSBFSL SPLIT LEVEL WATER COOLER WITH BOTTLE FILLER, PUSH PAD ACTIVATION, CONNECTIONS: CW 1/2", WASTE 1 1/4".
1 SK-1 ADA KITCHEN SINK, KOHLER TOCCATA, TOP MOUNT, TWO 6" DEEP BOWL, STAINLESS STEEL, 3 HOLE GOOSE NECK KITCHEN FAUCET, OFFSET DRAIN TO REAR, CONNECTIONS: CW 1/2", HW 1/2", WASTE 1 1/4".
MS-1 MOP BASIN – ZURN Z1996-24 COMPOSITE MOP SINK WITH INTEGRAL 3" DRAIN; Z1996-SF SERVICE FAUCET WITH PALE HOOK, -SDL DRAIN, STRAINER & LINT BASKET, -MH MOP HANGER, -HH HOSE & BRACKET, -BV VINYL BUMPER GUARDS, -WG SS WALL GUARD. COORDINATE WITH GENERAL CONTRACTOR TO INSURE THAT 2" THICK BLOCKING IS PROVIDED IN WALL FOR FAUCET MOUNTING. CONNECTIONS: CW 1/2", HW 1/2" (140°F), WASTE 3", VENT 2" MIN.
UB-1 UTILITY BOX – OATEY WATER BOX, QUARTER TURN VALVE, LOCKING OUTER COVER. CONNECTIONS: CW 3/8"
FD-1 FLOOR DRAIN – MIFAB F1100-1-6-7, 6" DIAMETER, BOTTOM OUTLET, CAST IRON BODY WITH NICKEL BRONZE STRAINER WITH VANDAL PROOF SCREWS. FURNISH WITH CLAMPING DEVICE IN MEMBRANE FLOOR AREAS. FURNISH WITH PRO-SET TRAP SEAL. COORDINATE EXACT LOCATION OF DRAIN WITH ARCHITECTURAL PLANS SO AS TO CENTER FLOOR DRAIN CENTER OF TILE. FLOOR SHALL BE SLOPED TOWARD DRAIN.
TD-1 TRENCH DRAIN – ZURN ZS880 – 304SS LINEAR SHOWER DRAIN, CENTER OUTLET, ADJUSTABLE LEVELING FRAME, SLOTTED HEEL-PROOF GRATE, 3' LINEAR DRAIN FOR STANDARD SHOWER, 5' LINEAR DRAIN FOR ADA SHOWER. 2" WASTE CONNECTION
HB-1 HOSE BIBB, OUTDOOR TYPE, ZURN Z-1320 WITH CERAMIC DISC, NON-FREEZE, ENCASED, ANTI-SIPHON, AUTO DRAIN, S.S. BOX & HINGED COVER, KEY LOCK, ALL BRONZE INTERIOR PARTS. COVER STAMPED "WATER".
1 SH-1 SHOWER, BRADLEY WS-1F, FLUSH MOUNT WALL SHOWER, 2.0GPM, EQUA-FLO PRESSURE BALANCING MIXING VALVE, 304 STAINLESS STEEL, CONNECTIONS: 1/2" CW, 1/2" HW.
SH-2 ADA SHOWER, BRADLEY HN200, FLUSH MOUNT WALL SHOWER, 2.0GPM, HAND SHOWER WITH ON/OF CONTROL WITH FLEXIBLE HOSE AND SPRAYER MOUNT, EQUA-FLO PRESSURE BALANCING MIXING VALVE, 304 STAINLESS STEEL, MOUNT CONTROLS AT 42-48" AFF, CONNECTIONS: 1/2" CW, 1/2" HW.

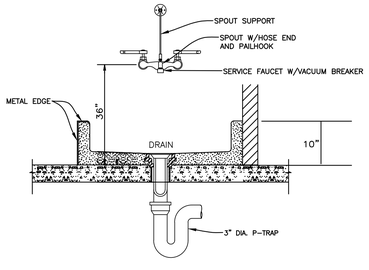
WATER HEATER SCHEDULE

TAG	ELECTRIC DATA				HYDRONIC DATA					BASIS OF DESIGN		WEIGHT	NOTES
	FLA	MOCP	VOLT PHASE	KW	EWT	LWT	RATE OF RECOVERY	RISE OF RECOVERY	CAPACITY (GAL)				
	AMPS	AMPS			DEG.F	DEG.F	GPM	DEG. F		MFGR	MODEL	LBS	
WH-1	22	25	208/1	4.5	60	120	0.55	60	80	RHEEM	ELD80	750	ALL
WH-2	25	25	208/1	6	60	140	1.5	80	–	RHEEM	RTEX-06	25	ALL

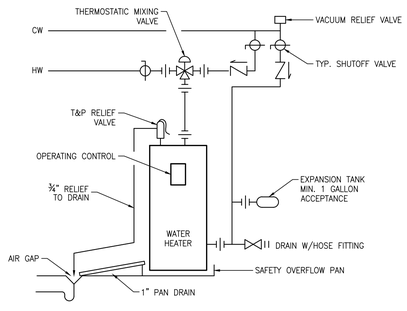
NOTES:
1. 3/4" INLET OUTLET CONNECTIONS
2. SUPPLY 140°F WATER TO MOP SINK AND 110°F WATER TO LAVATORIES AND SHOWERS. LAVATORIES AND SHOWERS SHALL BE SUPPLIED VIA TEMPERATURE LIMITING DEVICES THAT CONFORM WITH ASSE 1070.
3. OPERATING PRESSURE BETWEEN 20PSI TO 150 PSI



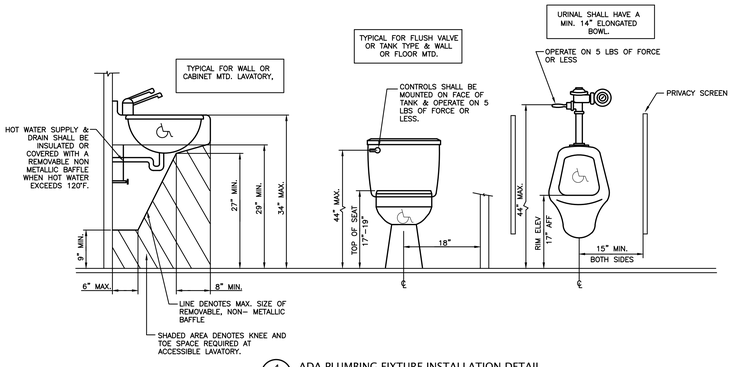
1 P100 FLOOR CLEANOUT DETAIL
SCALE: N.T.S.



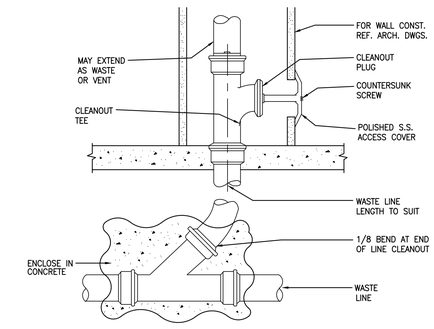
2 P100 MOP SINK DETAIL
SCALE: NONE



3 P100 WATER HEATER DETAIL
SCALE: NONE



4 P100 ADA PLUMBING FIXTURE INSTALLATION DETAIL
SCALE: NONE



6 P100 WALL CLEANOUT DETAIL
SCALE: N.T.S.

5 P100 VENT THRU ROOF DETAIL
SCALE: N.T.S.

ALABAMA LICENSED No. 38348 PROFESSIONAL ENGINEER JAMES M. DAVIS
04/06/2020

ORANGE BEACH RECREATION COMPLEX NEW ADULT FITNESS CENTER

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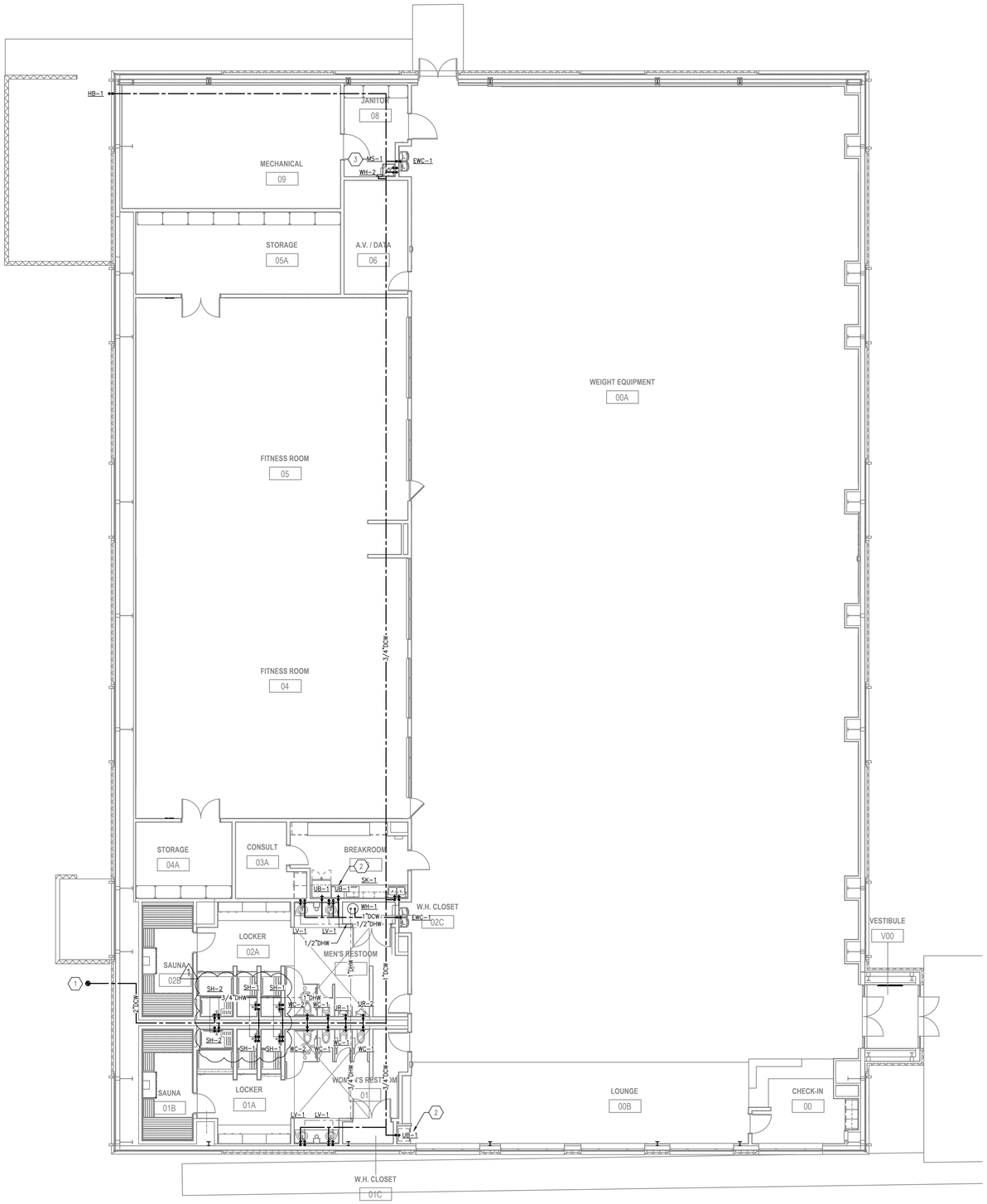
REV	DATE	DESCRIPTION
1	04-13-20	ADDENDUM #4

DATE: 02-14-2020
PHASE: 100% BID DOCUMENTS
ISSUED FOR: ADDENDUM 4 (REVISION 2)
ISSUED BY: DAVIS ARCHITECTS
PROJECT NO: 3981.02

SHEET TITLE: PLUMBING NOTES, SCHEDULES, LEGENDS

DRAWING NO.: P100



KEY NOTES

1. SEE CIVIL FOR CONTINUATION
2. WATER BOX FOR COFFEE MAKER, MOUNT JUST ABOVE COUNTER. PROVIDE BACKFLOW PREVENTER ON WATER LINE.
3. WATER LINES TO BE CONCEALED IN WALL TO FIXTURE(S)

ALABAMA LICENSED No. 38348 PROFESSIONAL ENGINEER JAMES M. SIMPSON

04/06/2020

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1	04–13–20	ADDENDUM #4

DATE: 02-14-2020
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ISSUED FOR: ADDENDUM 4 (REVISION 2)
ISSUED BY: DAVIS ARCHITECTS
PROJECT NO: 3981.02

SHEET TITLE

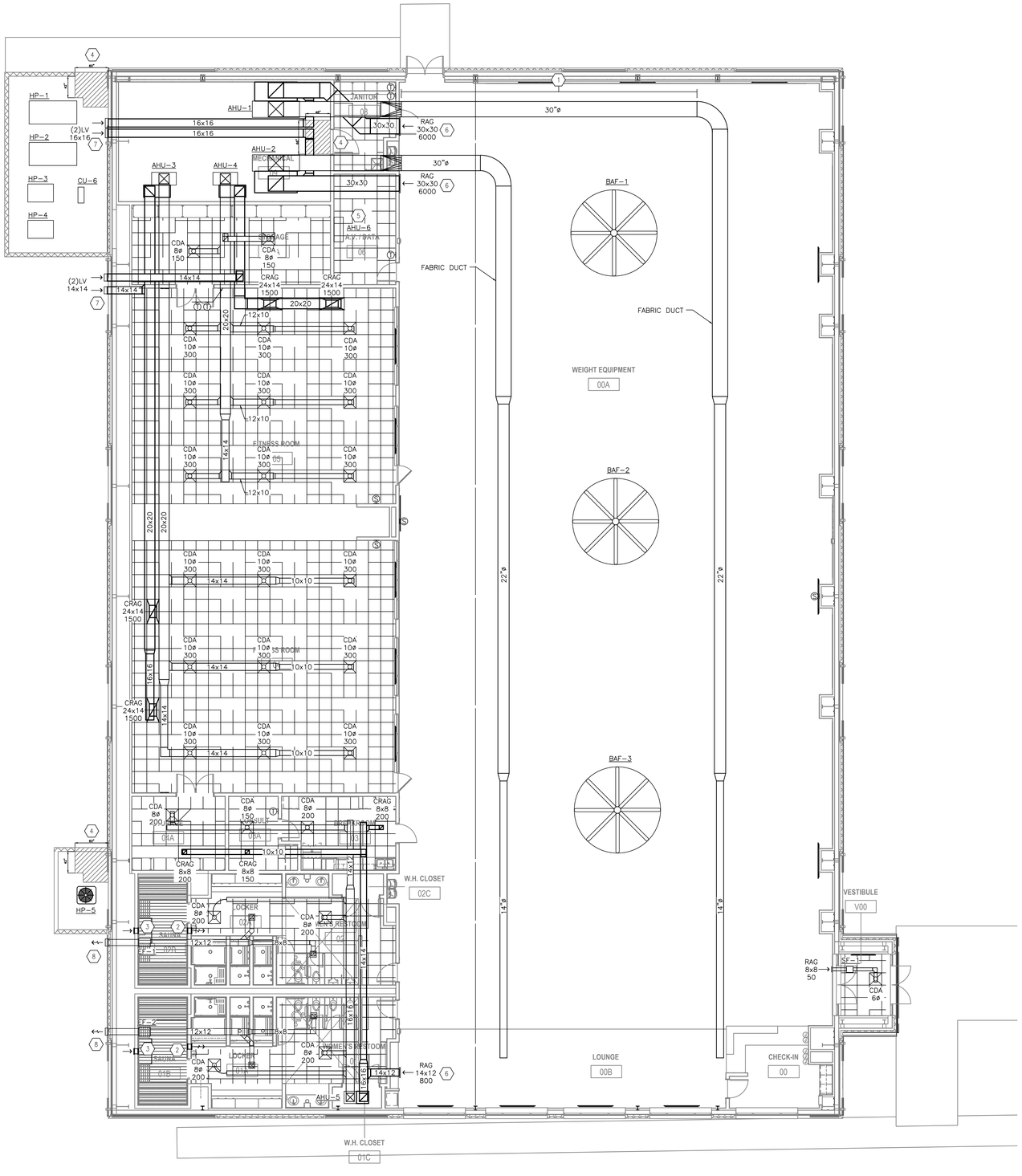
LEVEL 1 PLUMBING PLAN

DRAWING NO.

P101

P101 PLUMBING PLAN

SCALE: 1/8" = 1'-0"



KEY NOTES

1. THIS SECTION TO BE NON-POROUS FABRIC DUCT.
2. PROVIDE ADJUSTABLE DAMPER GRILL FOR SAUNA EXHAUST, ADJUST AIRFLOW ACCORDING TO MANUFACTURERS RECOMMENDATIONS. CONTRACTOR TO COORDINATE COLOR WITH ARCHITECT.
3. INSTALL INTAKE VENT IN WALL IMMEDIATELY BEHIND HEATER AS LOW AS POSSIBLE TO FLOOR. CONTRACTOR TO COORDINATE COLOR WITH ARCHITECT.
4. HATCHED FLOOR AREA TO REMAIN CLEAR OF EQUIPMENT.
5. MOUNT AHU-6 AT 10'-0" ON WALL, COORDINATE LOCATION WITH ELECTRICAL EQUIPMENT. DO NOT INSTALL ABOVE ANY ELECTRICAL/AV EQUIPMENT.
6. BOTTOM OF GRILLE TO BE AT 15'-0" AFF
7. BOTTOM OF LOUVER TO BE AT 12'-0" AFF
8. BOTTOM OF EXHAUST LOUVER TO BE AT 14'-0" AFF

GENERAL NOTES

1. CONTRACTOR TO COORDINATE WITH OWNER ON FINAL LOCATION OF THERMOSTATIC CONTROLS.
2. MOUNT ALL THERMOSTATIC CONTROLS AT ADA COMPLIANT MOUNTING HEIGHT OF 48" AFF.
3. CONTRACTOR TO COORDINATE ALL EXPOSED DUCT COLOR WITH ARCHITECT PRIOR TO CONSTRUCTION.
4. ALL EXTERIOR LOUVERS TO BE PRE-FINISHED AND PAINTED TO MATCH EXTERIOR ADJACENT COLOR, COORDINATE WITH ARCHITECT PRIOR TO CONSTRUCTION.
5. ALL EXTERIOR WALL PENETRATIONS MUST BE PROPERLY SEALED AND APPROVED BY PRE-ENGINEERED BUILDING TO MAINTAIN BUILDING WARRANTY FOR WEATHER TIGHTNESS.
6. ALL INTERIOR LOUVER/GRILLES LOCATED IN VISIBLE SPACE MUST BE APPROVED BY ARCHITECT AND MECHANICAL ENGINEER.

ALABAMA LICENSED No. 38348 PROFESSIONAL ENGINEER JAMES M. SIMPSON

02/14/2020

ORANGE BEACH RECREATION COMPLEX NEW ADULT FITNESS CENTER

CITY OF ORANGE BEACH ; ORANGE BEACH, AL

DAVIS

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251-460-4646
ATTN: JERRY ONWU / SID SNYDER

REV	DATE	DESCRIPTION
1	04-13-20	ADDENDUM #4

DATE: 02-14-2020
PHASE: 100% BID DOCUMENTS
ISSUED FOR: ADDENDUM 4 (REVISION 2)
PROJECT NO: 3981.02
PROJECT BY: DAVIS ARCHITECTS

SHEET TITLE

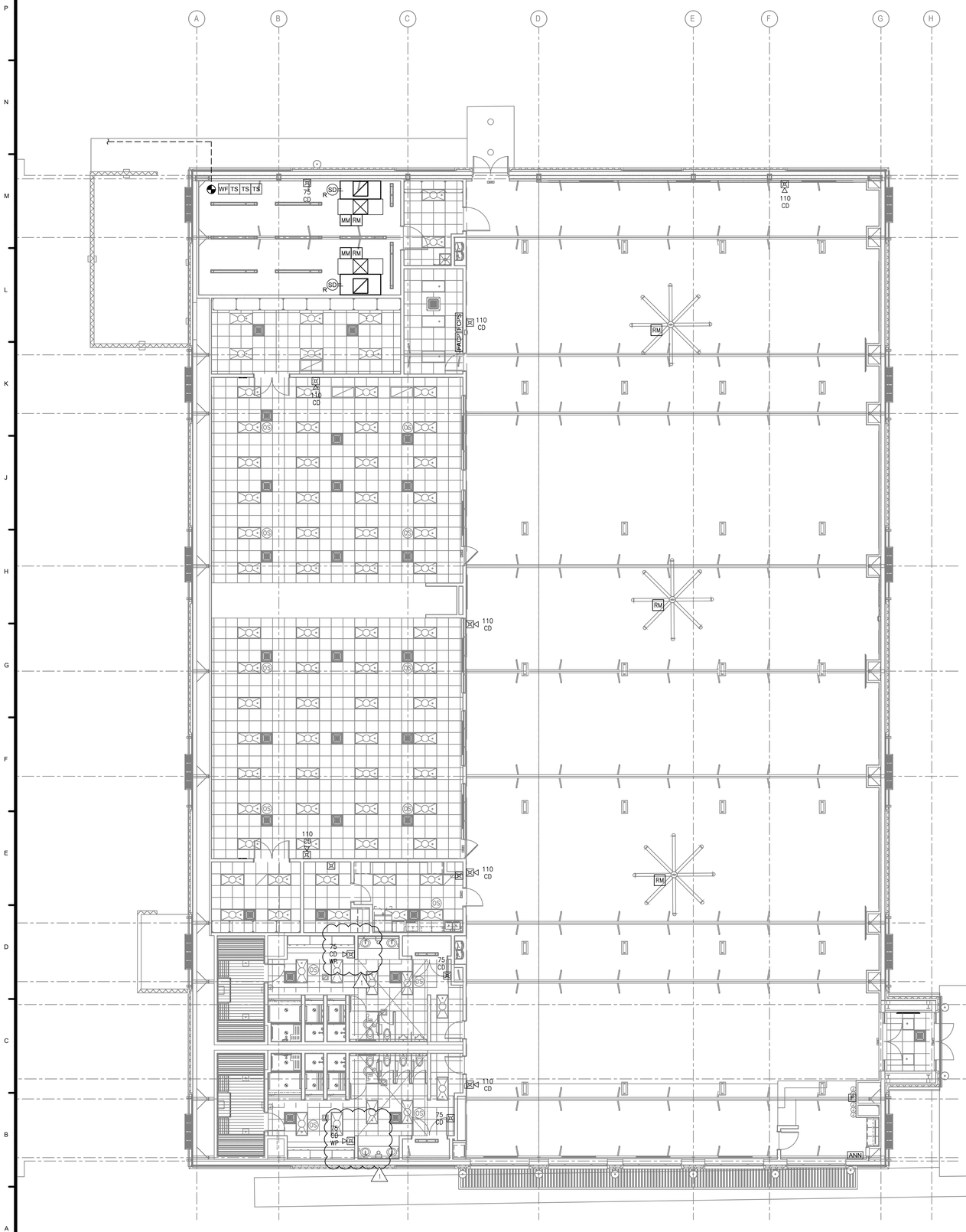
LEVEL 1 HVAC PLAN

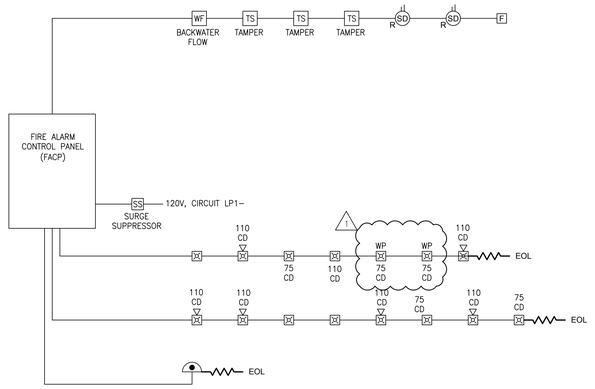
DRAWING NO.

M101

M101 HVAC PLAN

SCALE: 1/8" = 1'-0"





FIRE ALARM RISER

FIRE ALARM LEGEND

SD	CEILING MOUNTED SMOKE DETECTOR
SD–	AIR DUCT SMOKE DETECTOR, W/EXTRA SET OF CONTACTS S=SUPPLY, R=RETURN
	HORN STROBE 15cd UNLESS OTHERWISE NOTED
	STROBE 15cd UNLESS OTHERWISE NOTED
1 WP	WEATHER–PROOF HORN STROBE 15cd UNLESS OTHERWISE NOTED
C	CEILING HORN STROBE 15cd UNLESS OTHERWISE NOTED
C	CEILING STROBE 15cd UNLESS OTHERWISE NOTED
F	FLUSH MOUNTED PULL STATION
WF	WATER FLOW SWITCH
SS	SURGE SUPPRESOR
TS	TAMPER SWITCH
FACP	FIRE ALARM CONTROL PANEL
ANN	FIRE ALARM REMOTE ANNUCIATOR (COORDINATE EXACT LOCATION W/OWNER, MUST BE IN A CONSTANTLY ATTENDED LOCATION)
FCPS	FIELD CHARGING POWER SUPPLY
K	KITCHEN HOOD SYSTEM
K	KNOX–BOX SUPERVISED BY F.A. SYSTEM
	24V WATERFLOW BELL
MM	ADDRESSABLE MONITOR MODULE
RM	RELAY MODULE

F1 LEVEL 1 - FIRE ALARM PLAN

F1 /. SCALE: 1/8" = 1'-0"

ALABAMA LICENSED PROFESSIONAL ENGINEER CHNT. WADE
02/14/2020

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REV	DATE	DESCRIPTION
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DATE 02-14-2020
PHASE 100% BID DOCUMENTS
ISSUED FOR ADDENDUM 4 (REVISION 2)
ISSUED BY DAVIS ARCHITECTS
PROJECT NO 3981.02

SHEET TITLE
LEVEL 1 - FIRE ALARM PLAN

DRAWING NO.
F102

NOTES

1. ALL LIGHT FIXTURES SHALL BE SUPPORTED INDEPENDENTLY OF THE CEILING SYSTEM. 2x4 TROFFERS SHALL BE SUPPORTED WITH CABLE FROM ALL FOUR CORNERS.

2. FOR HOME RUNS ON 20 AMP CIRCUITS EXCEEDING SEVENTY FIVE (75) FEET FROM THE PANEL BOARD, USE #10 AWG MIN.

3. ALL MOUNTING HEIGHTS ARE GIVEN TO THE BOTTOM OF THE DEVICE UNLESS NOTED OTHERWISE.

4. THE LOCATION OF ALL WALL MOUNTED DEVICES, INCLUDING MOUNTING HEIGHTS, SHALL BE FIELD VERIFIED WITH THE ARCHITECT PRIOR TO INSTALLATION.

5. THE ELECTRICAL CONTRACTOR SHALL PROVIDE ALL NECESSARY DISCONNECTS, SWITCHES AND RECEPTACLES UNDER THE ELECTRICAL BID AND SHALL INCLUDE ALL NECESSARY CIRCUITS AND FINAL CONNECTIONS TO THE EQUIPMENT PROVIDED BY ALL SUPPLIERS, UNLESS NOTED OTHERWISE BY OTHER DISCIPLINES.

6. ALL ELECTRICAL EQUIPMENT SHALL BE INSTALLED SO THAT ALL CODE REQUIRED AND MANUFACTURER RECOMMENDED SERVICING CLEARANCES ARE MAINTAINED.

7. BIDDING CONTRACTORS MUST VISIT THE SITE, REVIEW ALL CONSTRUCTION DOCUMENTS, AND OBTAIN WRITTEN COPIES OF ALL REFERENCED CODES AND ORDINANCES PRIOR TO SUBMITTING BIDS. NO ALLOWANCE WILL BE MADE FOR ADVERSE CONDITIONS WHICH WERE ASCERTAINABLE PRIOR TO BID TIME.

8. GROUND TELEPHONE EQUIPMENT TO THE ELECTRICAL SERVICE GROUNDING SYSTEM PER N.E.C.

9. ALL CIRCUIT BREAKERS IN PANEL SHALL BE FULLY RATED

10. THE ELECTRICAL CONTRACTOR SHALL COORDINATE AND VERIFY THE ELECTRICAL SERVICE ARRANGEMENTS WITH THE LOCAL POWER COMPANY AND WITH OWNER SUPPLIED SITE PLAN. THE CONTRACTOR SHALL PROVIDE ALL NECESSARY EQUIPMENT FOR A COMPLETE INSTALLATION.

11. CIRCUIT BREAKERS SHALL BE RATED TO WITHSTAND THE MAXIMUM AVAILABLE FAULT CURRENT AT THE SITE AS DETERMINED BY THE LOCAL UTILITY. E.C. SHALL COORDINATE WITH LOCAL UTILITY BEFORE STARTING WORK.

12. ALL BUILDING SYSTEM GROUND RODS SHALL BE BONDED TOGETHER TO FORM A SINGLE GROUNDING SYSTEM. GROUNDING SYSTEM SHALL COMPLY WITH N.E.C. ARTICLE 250.

13. THE WORD "PROVIDE" MEANS FURNISH AND INSTALL.

14. MC CABLE IS ALLOWED AS A VE ALTERNATE.

15. THE ELECTRICAL CONTRACTOR SHALL OBTAIN AND REVIEW THE MECHANICAL AND SPECIAL EQUIPMENT SUBMITTALS PRIOR TO SUBMITTING THE ELECTRICAL SUBMITTALS. ANY ELECTRICAL EQUIPMENT, CONDUIT, AND WIRE SIZE CHANGES RESULTING FROM THIS REVIEW SHALL ALSO BE SUBMITTED FOR APPROVAL.

16. ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR ALL FITTINGS AND NECESSARY EQUIPMENT FOR LIGHT FIXTURE MOUNTING, AND INSTALLATION.

17. ALL FIRE BARRIER PENETRATIONS SHALL BE SEALED WITH APPROVED FIRE SEALANT. COORDINATE WITH ARCHITECTURAL PLANS FOR ALL RATED WALLS AND CEILINGS PRIOR TO BID SO AN UNDERSTANDING OF NUMBER OF SEALS REQUIRED, AND DETERMINE METHOD FOR MINIMIZING THE SEAL REQUIREMENTS.

LEGEND

- SPECIFICATION GRADE DUPLEX RECEPTACLE, GRAY COLOR, – 20 AMP, 125V. TAMPER PROOF HEAVY DUTY. MTD. @ 16" A.F.F. UNLESS NOTED, WITH BRUSHED STAINLESS STEEL FACEPLATE.
- U — SPECIFICATION GRADE DUPLEX RECEPTACLE, GRAY COLOR,– 20 AMP, 125V. TAMPER PROOF. WITH USB CHARGING PORTS, MTD. @ 16" A.F.F. UNLESS NOTED, WITH BRUSHED STAINLESS STEEL FACEPLATE.
- WP G — SPECIFICATION GRADE WEATHER RESISTANT, GRAY COLOR, DUPLEX RECEPTACLE – TAMPER PROOF WITH GROUND FAULT INTERRUPT, MTD. @ 16" A.F.F. UNLESS NOTED, WITH WEATHER–PROOF IN USE COVER.
- G — SPECIFICATION GRADE, GRAY COLOR, DUPLEX RECEPTACLE – TAMPER PROOF WITH GROUND FAULT INTERRUPT, MTD. @ 16" A.F.F. UNLESS NOTED, WITH BRUSHED STAINLESS STEEL FACEPLATE.
- C C — "C" INDICATES DEVICE MOUNTED @ 2" ABOVE BACKSPLASH UNLESS NOTED. COORDINATE IN FIELD.
- SPECIFICATION GRADE, GRAY COLOR, DUPLEX RECEPTACLE – 20 AMP, 125V. TAMPER PROOF HEAVY DUTY. MTD. IN FLOOR BOX, WITH BRASS COVERPLATE.
- XXA — 240V SIMPLEX RECEPTACLE, GRAY COLOR, MTD. AS REQUIRED BY EQUIPMENT BEING SERVED, COORDINATE IN FIELD, WITH BRUSHED STAINLESS STEEL FACEPLATE. AMPERAGE AS NOTED.
- SPECIFICATION GRADE 20A–1P TOGGLE SWITCH, HEAVY DUTY, GRAY COLOR, MOUNTED @ 48" A.F.F. W/BRUSHED STAINLESS STEEL FACEPLATE.
- 3 — SPECIFICATION GRADE 20 AMP THREE WAY TOGGLE SWITCH, HEAVY DUTY, GRAY COLOR, MOUNTED @ 48" A.F.F. W/BRUSHED STAINLESS STEEL FACEPLATE.
- D — SPECIFICATION GRADE 0–10V LED DIMMER SWITCH GRAY COLOR, MOUNTED @ 48" A.F.F. W/BRUSHED STAINLESS STEEL FACEPLATE.
- OD — SPECIFICATION GRADE 0–10V LED DIMMER/OCCUPANCY SWITCH GRAY COLOR, MOUNTED @ 48" A.F.F. W/BRUSHED STAINLESS STEEL FACEPLATE, LUTRON MAESTRO OR EQUAL.
- O — SPECIFICATION GRADE WALL MOUNTED OCCUPANCY SWITCH GRAY COLOR, MOUNTED @ 48" A.F.F. W/BRUSHED STAINLESS STEEL FACEPLATE. STEINEL DT WLS 1W U22.
- M — 120V, 20AMP MOTOR RATED TOGGLE SWITCH, WITH LOCKING DEVICE.
- VOICE/DATA OUTLET, GRAY COLOR, MOUNTED @ 16" A.F.F. WITH BRUSHED STAINLESS STEEL FACEPLATE. MTD. @ 16" A.F.F. UNLESS NOTED. RUN (2) CAT 6 CABLES FROM OUTLET TO AV/DATA ROOM.
- W — WALL MOUNTED VOICE OUTLET, GRAY COLOR, MOUNTED @ 54" A.F.F. WITH BRUSHED STAINLESS STEEL FACEPLATE. MTD. @ 16" A.F.F. UNLESS NOTED. RUN (2) CAT 6 CABLES FROM OUTLET TO AV/DATA ROOM.
- VOICE/DATA OUTLET, GRAY COLOR, FLOOR MOUNTED. WITH BRUSHED STAINLESS STEEL FACEPLATE. RUN (2) CAT 6 CABLES FROM OUTLET TO AV/DATA ROOM.
- TV — CABLE TV OUTLET, GRAY COLOR, BOX MTD. @ 16" A.F.F. UNLESS NOTED. FLUSH MOUNTED 1 GANG WALL BOX. CONTRACTOR TO RUN CO–AX FROM OUTLET TO AV/DATA ROOM.
- COMPUTER DATA OUTLET, GRAY COLOR, BOX MTD @ 16" A.F.F. UNLESS NOTED FLUSH MOUNTED 1 GANG WALL BOX. CONTRACTOR TO RUN (2) CAT 6 CABLES FROM OUTLET TO AV/DATA ROOM.
- EXHAUST FAN
- J — JUNCTION BOX LOCATION MOUNTED AS NOTED ON DRAWING, SIZED AS REQUIRED BY EQUIPMENT BEING SERVED.
- DISCONNECT SWITCH, SIZE AND TYPE AS NOTED.
- HOME RUN CONDUIT, CIRCUIT NUMBER AS INDICATED ON DRAWINGS, HASHMARKS INDICATE HOT NEUTRAL AND GROUND.
- CONDUIT RUN IN FLOOR OR SLAB.
- CONDUIT RUN IN WALLS OR CEILING.
- FC — FAN CONTROLLER
- CEILING FAN COLORS TO BE 2 CUSTOM COLORS 1 STANDARD COLOR. COLORS LOCATIONS ON FAN TO BE DETERMINED BY ARCHITECT.

NOTE:

1. ALL DEVICE COLORS SHALL BE GRAY.
2. ALL FACEPLATES TO BRUSHED STAINLESS STEEL.

- LVD — LOW VOLTAGE DIMMER CONTROLLER STEINEL LV1–U22(FINISH).
- LV — LOW VOLTAGE CONTROLLER STEINEL LV1–U22 (FINISH).
- OC — DUAL TECHNOLOGY WALL OCCUPANCY SWITCH, STEINEL DT–WLSI–U22.
- OS — CEILING MOUNTED OCCUPANCY STEINEL DT QUATTRO–COM–24–U22.
- LOW VOLTAGE WIRING. SEE MANUFACTURER DRAWINGS FOR MORE INFORMATION.
- PP — POWER PACK STEINEL TR–100–U22.
- PP 2 — TWO POLE POWER PACK .
- SD — CEILING MOUNTED SMOKE DETECTOR
- SD — AIR DUCT SMOKE DETECTOR, W/EXTRA SET OF CONTACTS S=SUPPLY, R=RETURN
- WP — HORN STROBE WEATHER PROOF
- HORN STROBE 15cd UNLESS OTHERWISE NOTED
- STROBE 15cd UNLESS OTHERWISE NOTED
- C — CEILING HORN STROBE 15cd UNLESS OTHERWISE NOTED
- C — CEILING STROBE 15cd UNLESS OTHERWISE NOTED
- F — FLUSH MOUNTED PULL STATION
- RM — ENCLOSED RELAY MODULE
- WF — WATER FLOW SWITCH
- SS — SURGE SUPPRESOR
- TS — TAMPER SWITCH
- FACP — FIRE ALARM CONTROL PANEL
- ANN — FIRE ALARM REMOTE ANNUCIATOR (COORDINATE EXACT LOCATION W/OWNER, MUST BE IN A CONSTANTLY ATTENDED LOCATION)
- FCPS — FIELD CHARGING POWER SUPPLY
- K — KITCHEN HOOD SYSTEM
- K — KNOX–BOX SUPERVISED BY F.A. SYSTEM
- 24V WATERFLOW BELL
- 20A — 20A, 240V SIMPLEX RECEPTACLE, MOUNTED AS REQUIRED BY EQUIPMENT BEING SERVED, WITH BRUSHED STAINLESS STEEL FACEPLATE.
- 30A — 30A, 240V SIMPLEX RECEPTACLE, MOUNTED AS REQUIRED BY EQUIPMENT BEING SERVED, WITH BRUSHED STAINLESS STEEL FACEPLATE.
- E — SECURITY CAMERA WITH EXPOSED CONDUIT AND JUNCTION BOX SURFACE MOUNTED, POE (POWER OVER ETHERNET) RUN 3/4" C. WITH (1) CAT 6 CABLE FROM CAMERA TO AV/DATA ROOM. MOUNT CAMERA AT 11'–6" AFF, UNLESS NOTED OTHERWISE. ALL CONDUIT TO CONCEALED, NO EXPOSED CONDUIT ALLOWED.
- C — SECURITY CAMERA WITH CONCEALLED CONDUIT AND JUNCTION BOX SURFACE MOUNTED, POE (POWER OVER ETHERNET) RUN 3/4" C. WITH (1) CAT 6 CABLE FROM CAMERA TO AV/DATA ROOM. MOUNT CAMERA AT 19'–0" AFF, UNLESS NOTED OTHERWISE. ALL CONDUIT TO CONCEALED, NO EXPOSED CONDUIT ALLOWED.
- T — SECURITY CAMERA SURFACE MOUNTED TO CEILING TILE, POE (POWER OVER ETHERNET) RUN 3/4" C. WITH (1) CAT 6 CABLE FROM CAMERA TO AV/DATA ROOM. ALL CONDUIT TO CONCEALED, NO EXPOSED CONDUIT ALLOWED.
- SPECIFICATION GRADE DUPLEX RECEPTACLE – 20 AMP, 125V. TAMPER PROOF HEAVY DUTY. MTD. IN FLOOR BOX, WITH BRASS COVERPLATE.
- SPECIFICATION GRADE DOUBLE DUPLEX RECEPTACLE – 20 AMP, 125V. TAMPER PROOF HEAVY DUTY. MTD. IN FLOOR BOX, WITH BRASS COVERPLATE.
- WAP — WIRELESS ACCESS POINT, WALL MOUNTED AT 11'–4". POE (POWER OVER ETHERNET) RUN (1) CAT 6 CABLE FROM WAP TO AV/DATA ROOM.
- WAP2 — WIRELESS ACCESS POINT, SURFACE MOUNTED AT 8'–6". POE (POWER OVER ETHERNET) RUN (1) CAT 6 CABLE FROM WAP TO AV/DATA ROOM.
- TV — CABLE TV OUTLET WITH COAX CABLE BACK TO TELEPHONE BACKBOARD.
- SP–IC — TWO–WAY INTERCOM SPEAKER SYSTEM AND PUSHBUTTON ENTRY PANEL, IN VESTIBULE, FOR ACCESS ENTRY. SEE CALL SYSTEM WIRING DIAGRAM DRAWING E302.
- EPS — EMERGENCY PUSHBUTTON INTERCOM STATION, PROVIDE (1) DOUBLE GANG BOX WITH 3/4" CONDUIT TO JUNCTION BOX AT CHECK IN DESK. SEE CALL SYSTEM WIRING DIAGRAM DRAWING E302.

2

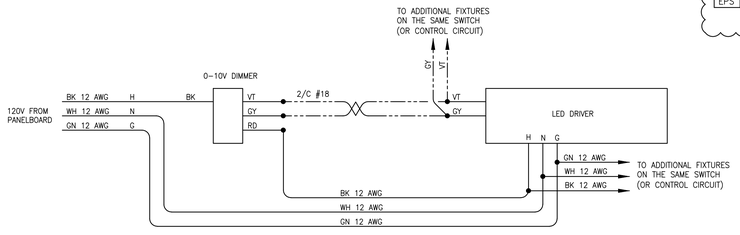
- WH — SANA WALL HEATER.

1

- AIC–P — AUDIO INPUT CONTROLLER STATION AND PAGING MICROPHONE. INCLUDING AUX., USB, BLUETOOTH, AND CD INPUT. PROVIDE (1) SINGLE GANG AND (5) DOUBLE GANG BOX WITH 1" CONDUIT TO EQUIPMENT "R1" IN A/V DATA ROOM. BOSE CC–64.
- AIC — AUDIO INPUT CONTROLLER STATION. INCLUDING AUX., USB, BLUETOOTH, AND CD INPUT. PROVIDE (1) SINGLE GANG AND (1) DOUBLE GANG BOX WITH 1" CONDUIT TO EQUIPMENT "R1" IN A/V DATA ROOM.

2

- SP — WATER PROOF SPEAKER WALL MOUNTED, COLOR CHOSEN BY ARCHITECT MOUNTED AT 8'–0" AFF. BOGEN A2T.
- SP — 12" DIAMETER CEILING MOUNTED SPEAKER MOUNTED IN GRID. BOSE DM5C.
- SP SUB — 16" DIAMETER CEILING MOUNTED SUB SPEAKER MOUNTED IN GRID. BOSE DM8C.
- SP SUB — 16" DIAMETER CEILING MOUNTED SUB SPEAKER MOUNTED IN GRID. BOSE DM8C.
- SP P — PENDANT MOUNTED. BOSE FREESPACE 3 SERIES II.
- R1 — A/V EQUIPMENT RACK. (2) EACH LOWELL LWR–1228.



WALL SWITCH/SENSOR WITH 0-10V DIMMING WIRING DIAGRAM

SCALE: NONE

ALABAMA LICENSED PROFESSIONAL ENGINEER No. 37141 JERRY I. ONWU

02/14/2020

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REV	DATE	DESCRIPTION
1	03/13/20	ADDENDUM 2
2	04/13/20	ADDENDUM 4

DATE: 02-14-2020

PHASE: 100% BID DOCUMENTS

ISSUED FOR: ADDENDUM 4 (REVISION 2)

ISSUED BY: DAVIS ARCHITECTS

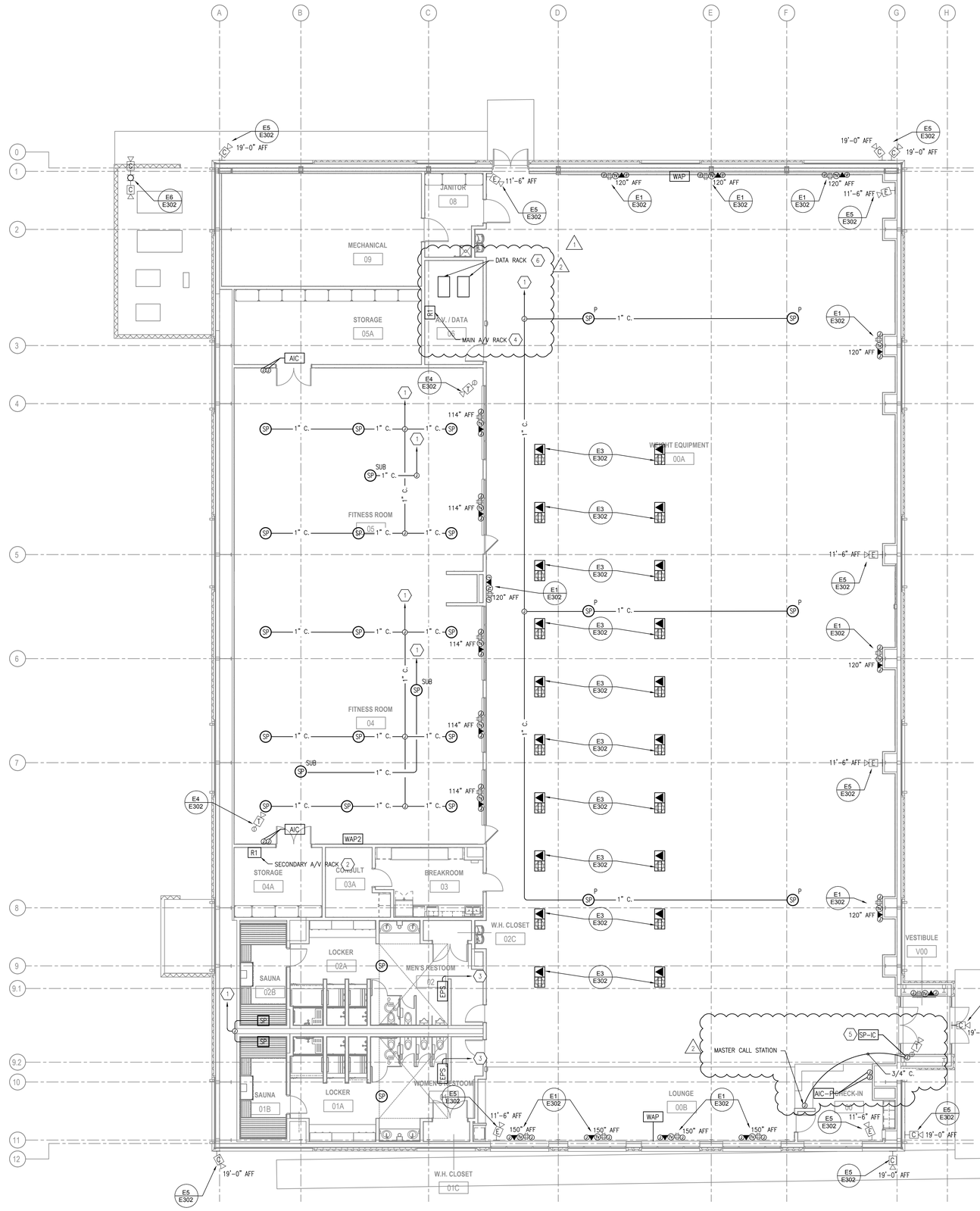
PROJECT NO: 3981.02

SHEET TITLE

ELECTRICAL LEGENDS, NOTES, SCHEDULES

DRAWING NO.

E100

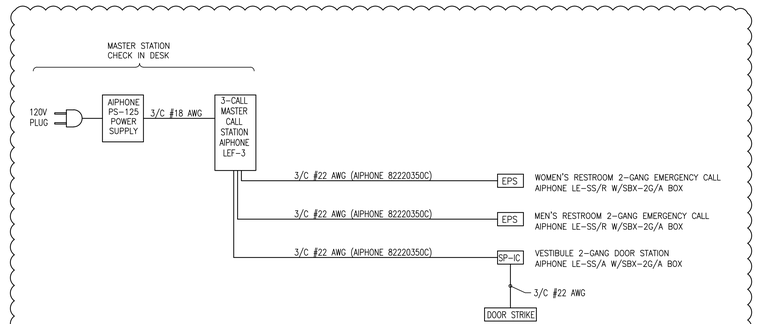


KEYED NOTES:

1. 1" CONDUIT TO MAIN A/V RACK IN A/V ROOM. CABLING BY A/V INSTALLER.
2. 3/4" CONDUIT TO MAIN A/V RACK IN A/V ROOM WITH (2) CAT 6 CABLES.
3. 3/4" CONDUIT TO SP-IC MASTER CALL STATION AT CHECK IN DESK.
4. MAIN RACK TO BE A LOWELL LWR-1228 WITH PANAMAX MR-4300 POWER/SURGE PROTECTION.
5. PROVIDE 3/4" CONDUIT FROM DOOR STATION TO DOOR LOCK SYSTEM, PROVIDE INTERFACE TO LOCK AS REQUIRED.
6. PROVIDE (2) EACH FLOOR DATA RACKS, TRIPP-LITE 42U. WITH (8) EACH POE CAPABLE SWITCHES, TRIPP-LITE NGS24C2POE. SECURE ALL CAT 6 CABLES, PROVIDE CONNECTORS ON EACH CABLE AND CONECT TO SWITCH.

NOTES:

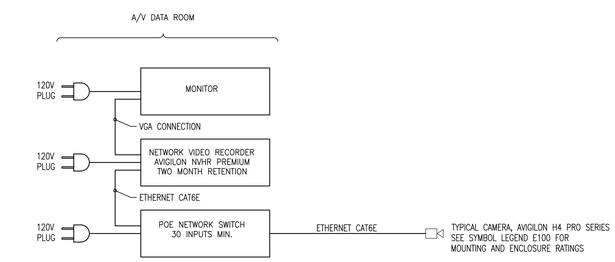
1. UNDER SLAB CONDUITS MUST RUN EAST TO WEST NOT NORTH TO SOUTH TO AVOID GRADE BEAM.
2. ELECTRICAL CONTRACTOR TO COORDINATE EXTERIOR WATERPROOF ELECTRICAL BOX AND COVERS. BOXES TO BE FLUSH MOUNTED IN METAL PANEL OR CMU WALL NOT SURFACE MOUNTED TO MATERIALS INSTALLATION. MUST BE COORDINATED WITH GENERAL CONTRACTOR AND PEMB MANUFACTURER TO MAINTAIN WATERPROOF SEALED CONDITION AND WARRANTY.
3. ALL JUNCTION BOXES UNLESS OTHERWISE NOTED TO BE INBED IN WALL AND NOT SURFACE MOUNTED; INTERIOR AND EXTERIOR INCLUDED.
4. CAMERAS WILL BE OWNER INSTALLED AND PROVIDED.
5. ALL INTERIOR CAMERAS-HEIGHT AT THE TOP OF JUNCTION BOX SHOULD BE 18' INTERIOR CAMERAS HEIGHTS AT LAY-IN CEILING SHOULD BE 12'
6. ALL EXTERIOR CAMERAS AT THE TALL WALLS- HEIGHT AT THE TOP OF THE JUNCTION BOX SHOULD BE AS NOTED ON DRAWING.
7. EXTERIOR CAMERAS AT THE VESTIBULE-HEIGHT AT THE TOP OF THE JUNCTION BOX SHOULD SHOULD BE AS NOTED ON DRAWING.
8. CABLING, CONDUIT, JUNCTION BOXES, AND COVER (WATERPROOF AT EXTERIOR) WILL BE PROVIDED AND INSTALLED BY CONTRACTOR.
9. PROVIDE WEATHER-TIGHT COVERS FOR ALL EXTERIOR CAMERA JUNCTION BOXES UNTIL CAMERAS ARE INSTALLED.



INTERCOM/ACCESS/EMERGENCY CALL SYSTEM DIAGRAM

NO SCALE

NOTE: PROVIDE 3/4" CONDUIT FOR ALL INTERCOM SYSTEM WIRING. COORDINATE ALL ASPECTS OF WIRING WITH AIPHONE PRIOR TO ANY ROUGH-IN.



SECURITY CAMERA SYSTEM DIAGRAM

NO SCALE

NOTE: PROVIDE 3/4" CONDUIT FOR ALL CAMERA FIELD WIRING.

02/14/2020

ORANGE BEACH RECREATION COMPLEX NEW ADULT FITNESS CENTER

CITY OF ORANGE BEACH ;
ORANGE BEACH, AL

DAVIS

OWNER
CITY OF ORANGE BEACH
PO BOX 458
ORANGE BEACH, ALABAMA 36561
251-981-69792
ATTN: KEN GRIMES, JR.

ASSOCIATE ARCHITECT
MCCOLLOUGH ARCHITECTURE
4750 MAIN ST #209,
ORANGE BEACH, AL 36561
251-968-7222
ATTN: STED MCCOLLOUGH

ARCHITECT
DAVIS ARCHITECTS, INC.
120 23RD STREET SOUTH
BIRMINGHAM, AL 35233
205-322-7482
ATTN: JIM HARTSELL / JEFFREY MENASCO

CIVIL ENGINEER
SAWGRASS CONSULTING, LLC
11143 OLD HIGHWAY 31
SPANISH FORT, AL 36527
251-544-7900
ATTN: ERCIL E. GODWIN / DOUG CHAFFIN

STRUCTURAL ENGINEER
MBA ENGINEERS
300 20TH ST. N., SUITE 100
BIRMINGHAM, AL 35203
205-323-6385
ATTN: KEITH OWENS / MARK BOGER

MECHANICAL / PLUMBING ENGINEER
GULF STATES ENGINEERING
600 AZALEA ROAD,
MOBILE, AL 36609
251-460-4646
ATTN: CHRIS DEARMON / VAN SIMPSON

FIRE PROTECTION ENGINEER
GULF STATES ENGINEERING
600 AZALEA ROAD,
MOBILE, AL 36609
251-460-4646
ATTN: TOM WADE / BRIAN DOVE

ELECTRICAL ENGINEER
GULF STATES ENGINEERING
600 AZALEA ROAD,
MOBILE, AL 36609
251-460-4646
ATTN: JERRY ONWU / SID SNYDER

REV	DATE	DESCRIPTION
1	03/13/20	ADDENDUM 2
2	04/13/20	ADDENDUM 4

DATE: 02-14-2020
PHASE: 100% BID DOCUMENTS
ISSUED FOR: ADDENDUM 4 (REVISION 2)
ISSUED BY: DAVIS ARCHITECTS
PROJECT NO.: 3981.02

SHEET TITLE: LEVEL 1 - SYSTEMS PLAN

DRAWING NO.: E301

E301 LEVEL 1 - SYSTEMS PLAN

E3 /. SCALE: 1/8" = 1'-0"