

ADDENDUM NO. 2

IRONDALE FIRE STATION No. 3

THIS ADDENDUM IS DIRECTED TO ALL PRIME BIDDERS, AND ALL OTHERS TO WHOM DRAWINGS AND SPECIFICATIONS HAVE BEEN ISSUED.

THIS ADDENDUM FORMS A PART OF THE CONTRACT DOCUMENTS. THE FOLLOWING CONDITIONS TAKE PRECEDENCE OVER ANY CONFLICTING CONDITIONS IN THE DRAWINGS AND SPECIFICATIONS. THE DRAWINGS AND SPECIFICATIONS ARE HEREBY AMENDED IN THE FOLLOWING PARTICULARS.

GENERAL

1. See attached minutes from the pre-bid meeting.

DRAWINGS

1. C1.0 SITE LAYOUT PLAN: Add information regarding the fire station alerting signs on John Rogers Drive:
Quantity: 2
Activation: 1 inside push button activation
Communication: BlinkerBeam wireless
Power: 85W solar panels
Sign: Fire Truck (Symbol) LED BlinkerSign W11-8, 30" x 30"
Sheeting: Diamond Grade Cubed (DG3)
Mounting: 4.5" x 13' signal pole
2. C3.0 Site Utility Plan:
 - a. Removed separate irrigation water tap and meter. Irrigation service will tee from the domestic water line.
 - b. Added notes regarding project fee coordination
3. C5.4 Details: Added details for guardrail replacement
4. L5 Landscape Details: Added dimensions to plaza and paver layout
5. A2.21 ENLARGED PLAN – BLOCK B (DORM):
 - a. Deleted details 12/A11.01, 2/A2.21, 3/A2.21
 - b. Added elevations 3/A11.05, 4/A11.05, 1/A11.03, 2/A11.03, 3/A11.03, 4/A11.03, 5/A11.03, 6/A11.03
6. A3.01 Roof Plan: Change Roof Plan Keynote no. 1 to read "R-25 rigid insulation" instead of 3"
7. A3.02 Roof Details: Detail 6, change "ROOF DECK TYP" to "OPTIONAL ROOF DECK IF REQD BY MANUF."

8. A4.10 Finish Schedule and Legend: Added finishes SST-1 and PLAM-3
9. A11.03 Interior Elevations: Added Kitchen elevations
10. S4.6 Sections and Details: lowered the column base plates 0'-6" at Front Entry.
11. E001 Electrical Legend:
 - a. Added / Updated Fire Alarm devices and symbols
 - b. Manufacturers listed as an approved equal for all site lighting fixtures shall submit a photometric plan with the Lighting Fixture Submittal
12. E002 Lighting Fixture Schedule & Details: Added manufacturer approved equals to lighting fixture schedule
13. E003 Electrical Details: Added details moved from Sheet E004
14. E101 Site Plan: Updated Plan Note #7.
15. E201 Level 1 Plan Lighting: Added battery inverter and applicable notes at main entry door to lobby
16. E202 Level 1 Plan Power:
 - a. Updated power layout at Kitchen
 - b. Updated circuit numbers at Day Room and Exercise Room
17. E203 Level 1 Plan Auxiliary:
 - a. Added speaker rough-in locations for paging system
 - b. Added wireless access point locations
 - c. Added fire alarm flow and tamper switches at fire riser
 - d. Added additional traffic control device and applicable plan note
 - e. Removed low frequency fire alarm device at all dorm rooms
 - f. Added combination smoke and carbon monoxide detector with low frequency base to all dorm rooms
18. E204 Level 1 Plan Equipment Connections: Added power requirements for water heating equipment
19. E301 Riser Diagram: Updated panel schedules as shown

SPECIFICATIONS

1. 01 21 00 – Allowances:
 - a. Removed the duplicate numbers and corrected the list of Allowances.
 - b. Added a \$45,000.00 allowance for the radio and paging system.
2. 04 21 13.13 Brick Veneer Masonry:
 - a. Under 2.1 Brick Units, change the Basis of Design to Triangle Brick "Old South." Mortar Basis of Design: Cemex "Antique Buff."
 - b. Under 2.4 Accessories, change "Building Paper" to Weather Resistive Barrier (WRB): see specification section 07 27 27 Self-Adhered Sheet Membrane Air Barrier.

3. 07 21 00 Thermal Insulation: Add Carlisle as an approved manufacturer of extruded-polystyrene board insulation.
4. 07 27 27 Self-Adhered Sheet Membrane Air Barrier:
 - a. Add W.R. Meadows Air-Shield LMP as an approved alternative product for use as an air / vapor barrier membrane.
 - b. Add Henry Blueskin VP160 as an approved equal.

REQUESTS FOR INFORMATION

1. *Structural Steel: Per Specs, steel fabricator must be AISC certified. Can a steel fabricator adhere to the guidelines of AISC and certification requirements be waived?*

Answer: Yes, this is STRUCTURALLY ACCEPTABLE, provided, the contractor pays for the owner's testing agent to shop inspect welds.

2. *Roofing: The roof plan calls for 3" ISO and the details call for R-25 which is 4.3". Which is correct?*

Answer: R-25 is correct.

3. *Roofing: Spec 075600 Cold Liquid Applied Flashings: Regarding the PMMA and PMA, is this liquid flashing to be used to flash penetrations like pipes and curbs.*

Answer: That is correct.

4. *Roofing: Roof Plan on A3.01, Notes 1 & 4 on the Roof Plan Keynotes. These notes have conflicting information from details 5 & 6 shown on pg. A3.02. Which system should be priced? Are we to include R-25 over metal decking on the main building and just a 1/2" decking board on the metal decking at the canopy section? Or do we include 3" rigid insulation with a 1/2" sheathing over it?*

Answer: R-25 insulation over metal decking should be used for the main building. At the canopy, only include a roof decking board if it's required by the standing seam metal roof manufacturer.

5. *Storefront: Spec 088000-2.1 Glazing calls for Cardinal 366 Bronze. Cardinal no longer offers a 366 Bronze. Please advise.*

Answer: According to the manufacturer (www.aiglass.com.) Cardinal 366 Bronze is available.

6. *Blinds/Roller Shades: Is it acceptable to use SWF Contract as an equal to Mecho Shade and Draper for the roller shade manufacturer? The products are comparable. Mecho is actually owned by SWF Contract and made in the same Factory.*

Answer: It is acceptable to use SWF Contract.

END OF ADDENDUM NO. 2





February 11, 2024
Pre-Bid Meeting Agenda

Project Name: Irondale Fire Station no. 3
Project No: CWA Project No. 2023-01

The below information was presented and discussed at a non-mandatory Pre-Bid Conference on February 11, 2025 at 2:00pm at the Irondale City Hall.

1. Introductions: See attached sign in sheet for attendees.

OWNER: CITY OF IRONDALE
Mayor James Stewart,
jstewart@cityofirondaleal.gov

PROGRAM MANAGER: KEMP MANAGEMENT SOLUTIONS, LLC. (205) 731-7372
Keltin Garrett, kgarrett@kempms.net

ARCHITECT: CHARLES WILLIAMS AND ASSOCIATES
(205) 250-0700 x 106
Ross McCain, Project Architect
ross@cwiliams-arch.com

STRUCTURAL ENGINEER: SDG
(205) 824-5200
Craig Winn, cwinn@sdg-us.com
Thomas Mason, tmason@sdg-us.com

CIVIL ENGINEER: KADRE Engineering
205-305-6034
Curtis Eatman, ceatman@kadre-eng.com
Curtis Walker, cwalker@kadre-eng.com

LANDSCAPE ARCHITECT: HANSEN L/A
(205) 567-6801
Greg Hansen, greg@hansenla.com

MECHANICAL, PLUMBING & FIRE PROTECTION: DEWBERRY ENGINEERING
(205) 988-2069
Adam Cone, acone@Dewberry.com
(Mechanical)
Carol Johnson cjohnson@dewberry.com
(Plumbing)

ELECTRICAL: CCE
(205) 352-2500
Wade Parker, owparker@cce-eng.com
Jason Blocker, jblocker@cce-eng.com

VEHICLE BAY EXHAUST SYSTEM: MAGNEGRIIP AIR EXHAUST
(904) 570-1337
David Sapp, dsapp@magnegrip.com

SEPTIC SYSTEM: ENGINEERS OF THE SOUTH
(205) 573-0236
Greg Thompson,
greg@engineersofthesouth.com

2. General introductions of attendees.
3. Bidding Information:
 - a. Bid Time, Date and Place: Bid Opening to be held at 2:00pm on February 27th. Irondale City Hall.
 - b. If mailing, or hand delivering, Bid Proposals to the City of Irondale they must be addressed to: Mayor James Stewart, 101 20th Street South, Irondale, AL 35210 and the Bid Proposal clearly marked on the envelope.

- c. Any Request For Information (RFI's) must be issued in writing to the Architect no later than 3 working days prior to bid (2:00pm on 2/24). Verbal questions will not be addressed, and verbal responses to questions will not be given by the Architect. At no time shall questions be sent directly to Engineers or Consultants. All questions must come through CWA (Architect) for record and forwarding. Questions that do not follow protocol shall be rejected. Responses will be issued via Addendum. Send email to ross@cwilliams-arch.com for all RFI's.
 - d. Product Substitution request must be made 7 calendar days prior to Bid Date. Approval of substitution request will be given via Addendum. Cutoff date for prior approval request is 2/20. Send email to ross@cwilliams-arch.com for all substitution requests. Submit request on CSI Substitution Request for Bidding form.
 - e. It is the Architect's intent to not issue any Addendum after 2/25.
 - f. This is a tax-exempt job. Taxes must be submitted with bids on the form included in the Project Manual.
 - g. Owner is responsible for payment of testing agency/agencies, if any required.
 - h. General Contractor is responsible for city of Birmingham and Jefferson County Fees related to project including, but not limited to, permitting, inspections, JCDH, JCESD or other agencies as required to complete the project.
4. Description of Building:
- Project Location: corner of Alton Rd and John Rogers Drive (E911 Address Pending)
 - Construction Summary:
 - New Construction of a new one-story fire station plus related HVAC, electrical, civil work.
 - Exterior materials include brick, manufactured cast stone, precast stone
 - Pitched roofs are metal standing seam
 - Gross SF: 12,245 sf
 - Construction duration: 420 days
5. Project Site Considerations:
- a. The site has adjacent natural drainage which must be protected.
 - b. Under a separate contract, trees on site will be cut down to 2' with all underbrush mulched and debris removed
 - c. The site is available for walkthroughs without permission
 - d. Site contains an intermittent stream that is under U.S. Army Corps jurisdiction
6. Allowances:
- a. Allowance No. 1 – General Contingency = \$350,000.00
 - b. Allowance No. 2 – Excavate and haul off unsuitable materials from below the cut line
 - c. Allowance No. 3 – Replace with crushed stone (ALDOT 825B or #57)
 - d. Allowance No. 4 – Replace with suitable material from offsite source
 - e. Allowance No. 5 – Surge Material (ALDOT #1 Stone)
 - f. Allowance No. 6 – Stabilization Fabric
 - g. Allowance No. 7 – Topsoil
 - h. Allowance No. 8 – Rock, Masonry or Concrete Excavation in Trenches and Pits
 - i. Allowance No. 9 – Rock, Masonry or Concrete Excavation in Open Excavation
 - j. Allowance No. 10 – Sod
 - k. Allowance No. 11 – Mud Footings
 - l. Allowance No. 12 – Sidewalk

7. Alternates: There are no Alternates at this time.
8. Additional Discussion Items:
 - a. Drawings have been reviewed and approved by the city of Birmingham
 - b. Septic approval by the health department pending.
 - c. Drawings are complimentary. Each portion is a part of the whole and drawings should be bid as the whole. For example, if an item appears in the Architectural, but not the Plumbing, it is not to be considered missing from the drawings as the drawings are a complete set. Contractors, vendors, and sub-contractors should review the entire set.
 - d. The project site is located on county roads. Be sure to have considerations as it relates to wash-out, etc. in order to avoid issues related to debris, etc. from project traffic including necessary controls for entry and exit.p
 - e. BWWB is going to have to perform a mains extension to bring water to the site. Fees related to that work shall be addressed by the City of Irondale. All fees/coordination for taps, meters, backflows, vaults, and any other component forward of the extension shall be the responsibility of the bidding Contractor.
 - f. It is highly recommended that during the bid process, Contractors reach out to the local utilities (APCO, ATT, BWWB, Trussville Utilities, etc.) providing services for the project to identify any potential Aid to Construction Costs, fees, or special requirements prior to bid to ensure those costs are captured.
 - g. Clarification on Construction Duration: 420 Consecutive (1,2,3,4, etc.) Calendar Days from Notice to Proceed. Be sure to have this considered when bidding.

End of Pre-Bid Meeting Notes

SECTION 01 21 00

ALLOWANCES

PART 1 – GENERAL

1.1 RELATED DOCUMENTS:

- A. Drawings and general provisions of Contract, including General and Division-1 Specification sections, apply to work of this section.
 - 1. Coordinate allowance work with related work to ensure that it is completely integrated and interfaced with related work.

1.2 DESCRIPTION OF REQUIREMENTS:

- A. Definitions and Explanations: Certain requirements of the work related to each allowance are shown and specified in contract documents. The allowance has been established in lieu of additional requirements for that work, and further requirements thereof (if any) will be issued by change order.
- B. Types of allowances scheduled herein for the work included the following:
 - 1. Lump sum allowances.
- C. Selection and Purchase:
 - 1. At earliest feasible date after award of Contract, advise Architect/Engineer of scheduled date when final selection and purchase of each product or system described by each allowance must be accomplished in order to avoid delays in performance of the work.
 - 2. As requested by the Architect/Engineer, obtain and submit proposals for the work of each allowance for use in making final selections; include recommendations for selection which are relevant to the proper performance of the work.
 - 3. Purchase products and systems as specified, and as selected (in writing) by the Architect/Engineer.
 - 4. Submit proposals and recommendations, for purchase of products or systems of allowances, in form specified for change orders.
- D. Change Order Data: Include in each change order proposal both the quantities of products being purchased and unit costs, along with total

amount of purchases to be made. Where requested, furnish survey-of-requirements data to substantiate quantities. Indicate applicable taxes, delivery charges, amounts of applicable trade discounts, and other relevant details as requested by the Architect.

1. Each change order amount for allowances shall be based on the unit price difference between the actual purchase amount and the allowance, multiplied by the final measure or count of work-in-place, with reasonable allowances, where applicable, for cutting losses, tolerances, mixing wastes, normal product imperfections and similar margins.
2. Include 10% overhead and profit separately, in the Contractor's Base Bid, and not as part of Allowances.
3. When requested, prepare explanations and documentation to substantiate the quantities, costs, and margins as claimed.

E. Change Order Mark-Up:

1. Except as otherwise indicated, comply with provisions of General Conditions. For each allowance, Contractor's claims for increased costs (for either purchase amount or Contractor's handling, labor, installation, overhead, and profit), because of a change in scope or nature of the allowance work as described in contract documents, must be submitted within 60 days of initial change order authorizing work to proceed on that allowance; otherwise, such claims will be rejected.
2. Where it is not economically feasible to return unused material to the manufacturer/supplier for credit, prepare unused material for the Owner's storage, and deliver to the Owner's storage space as directed. Otherwise, disposal of excess material is the Contractor's responsibility.

F. Time and Allowance Amounts:

1. Nothing in the Bid or Contract Documents shall be so constructed or interpreted as to provide a Contract time extension, due to use or non-use of any Allowance amount.
2. Nothing in the Bid or Contract Documents shall be so constructed or interpreted as to allow unused Allowances or any portion thereof, nor any overhead and profit therefore to be retained by or paid to the Contractor.
 - a. Amount of unused allowances be returned shall include unused amount plus 10% overhead and profit.

PART 2 – PRODUCTS

Not Applicable

PART 3 – EXECUTION

3.1 SCHEDULE OF ALLOWANCES:

A. **Allowance No. 1 – Contingency Allowance:**

1. Allow a lump sum of **\$350,000.00** for additional work, as directed by the Architect and Owner, including purchase, any applicable taxes and fees, and all related costs.
2. Include overhead and profit of at least 10% in Base Bid, and not as part of Allowance.

B. **Allowances No. 2 – Excavate and haul off unsuitable materials from below the cut line:**

1. The following items will be included as an allowance based on units and quantities along with the unit prices provided per the specifications. The contractor will only be able to utilize these allowances when the required excavation exceeds what is required by the Specifications and as directed by the Owner's Geotechnical Engineer. This allowance is not to be used to correct subgrade damage caused by construction traffic or contractor neglect.

The contractor will only use this allowance when properly authorized prior to performing the additional work paid for from the allowance.

- a. Unit Price Item No. 1 – Undercut and Backfill of Unsuitable Material.

200 cy x \$ _____ per cy = _____.

C. **Allowances No. 3 – Replace with crushed stone (ALDOT 825B or #57)**

1. The following items will be included as an allowance based on units and quantities along with the unit prices provided per the specifications. The contractor will only be able to utilize these allowances when the required excavation exceeds what is required by the Specifications and as directed by the Owner's Geotechnical Engineer. This allowance is not to be used to correct subgrade damage caused by construction traffic or contractor neglect.

The contractor will only use this allowance when properly authorized prior to performing the additional work paid for from the allowance.

a. Unit Price Item No. 2 – Replacement with crushed stone:

$$200 \text{ tons} \times \$ \text{_____} \text{ per ton} = \text{_____}.$$

D. **Allowances No. 4** – Replace with suitable material from offsite source

1. The following items will be included as an allowance based on units and quantities along with the unit prices provided per the specifications. The contractor will only be able to utilize these allowances when the required excavation exceeds what is required by the Specifications and as directed by the Owner's Geotechnical Engineer. This allowance is not to be used to correct subgrade damage caused by construction traffic or contractor neglect.

The contractor will only use this allowance when properly authorized prior to performing the additional work paid for from the allowance.

a. Unit Price Item No. 3 – Replacement with offsite suitable material:

$$200 \text{ cubic yards} \times \$ \text{_____} \text{ per cy} = \text{_____}.$$

E. **Allowances No. 5** – Surge Material (ALDOT #1 Stone)

1. The following items will be included as an allowance based on units and quantities along with the unit prices provided per the specifications. The contractor will only be able to utilize these allowances when the required excavation exceeds what is required by the Specifications and as directed by the Owner's Geotechnical Engineer. This allowance is not to be used to correct subgrade damage caused by construction traffic or contractor neglect.

The contractor will only use this allowance when properly authorized prior to performing the additional work paid for from the allowance.

a. Unit Price Item No. 4 –Tons (TN) of crushed stone.

$$100 \text{ tons} \times \$ \text{_____} \text{ per ton} = \text{_____}.$$

F. **Allowances No. 6** – Stabilization Fabric

1. The following items will be included as an allowance based on units and quantities along with the unit prices provided per the specifications. The contractor will only be able to utilize these allowances when the required excavation exceeds what is required by the Specifications and as directed by the Owner's Geotechnical Engineer. This allowance is not to be used to

correct subgrade damage caused by construction traffic or contractor neglect.

The contractor will only use this allowance when properly authorized prior to performing the additional work paid for from the allowance.

a. Unit Price Item No. 5 – Stabilization Fabric:

300 square yards x \$ _____ per sy = _____.

G. **Allowances No. 7 – Topsoil**

1. The following items will be included as an allowance based on units and quantities along with the unit prices provided per the specifications. The contractor will only be able to utilize these allowances when the required excavation exceeds what is required by the Specifications and as directed by the Owner's Geotechnical Engineer. This allowance is not to be used to correct subgrade damage caused by construction traffic or contractor neglect.

The contractor will only use this allowance when properly authorized prior to performing the additional work paid for from the allowance.

a. Unit Price Item No. 6 – Provide additional topsoil.

50 cubic yards x \$ _____ per cy = _____.

H. **Allowances No. 8 – Rock, Masonry or Concrete Excavation in Trenches and Pits**

1. The following items will be included as an allowance based on units and quantities along with the unit prices provided per the specifications. The contractor will only be able to utilize these allowances when the required excavation exceeds what is required by the Specifications and as directed by the Owner's Geotechnical Engineer. This allowance is not to be used to correct subgrade damage caused by construction traffic or contractor neglect.

The contractor will only use this allowance when properly authorized prior to performing the additional work paid for from the allowance.

a. Unit Price Item No. 7 – Cubic Yard (CY) of rock, masonry, or concrete excavated.

50 cubic yards x \$ _____ per cy = _____.

I. Allowances No. 9 – Rock, Masonry or Concrete Excavation in Open Excavation

1. The following items will be included as an allowance based on units and quantities along with the unit prices provided per the specifications. The contractor will only be able to utilize these allowances when the required excavation exceeds what is required by the Specifications and as directed by the Owner's Geotechnical Engineer. This allowance is not to be used to correct subgrade damage caused by construction traffic or contractor neglect.

The contractor will only use this allowance when properly authorized prior to performing the additional work paid for from the allowance.

- a. Unit Price Item No. 8 – Cubic Yard (CY) of rock, masonry, or concrete excavated.

50 cubic yards x \$ _____ per cy = _____.

J. Allowances No. 10 – Sod

1. The following items will be included as an allowance based on units and quantities along with the unit prices provided per the specifications. The contractor will only be able to utilize these allowances when the required excavation exceeds what is required by the Specifications and as directed by the Owner's Geotechnical Engineer. This allowance is not to be used to correct subgrade damage caused by construction traffic or contractor neglect.

The contractor will only use this allowance when properly authorized prior to performing the additional work paid for from the allowance.

- a. Unit Price Item No. 9 – Undercut and Backfill of Unsuitable Material.

50 square yards x \$ _____ per sy = _____.

K. Allowances No. 11 – Mud Footings

1. The following items will be included as an allowance based on units and quantities along with the unit prices provided per the specifications. The contractor will only be able to utilize these allowances when the required excavation exceeds what is required by the Specifications and as directed by the Owner's Geotechnical Engineer. This allowance is not to be used to correct subgrade damage caused by construction traffic or contractor neglect.

The contractor will only use this allowance when properly authorized prior to performing the additional work paid for from the allowance.

- a. Unit Price Item No. 10 – Square yard (SY) of sod, in place.

$$50 \text{ cubic yards} \times \$ \text{_____} \text{ per cy} = \text{_____}.$$

L. **Allowances No. 12 – Sidewalk**

1. The following items will be included as an allowance based on units and quantities along with the unit prices provided per the specifications. The contractor will only be able to utilize these allowances when the required excavation exceeds what is required by the Specifications and as directed by the Owner's Geotechnical Engineer. This allowance is not to be used to correct subgrade damage caused by construction traffic or contractor neglect.

The contractor will only use this allowance when properly authorized prior to performing the additional work paid for from the allowance.

- a. Unit Price Item No. 11 – Square Foot (SF) of sidewalk installed.

$$50 \text{ square yards} \times \$ \text{_____} \text{ per sy} = \text{_____}.$$

M. **Allowance No. 13 – Radio and Paging System Allowance:**

1. Allow a lump sum of **\$45,000.00** for the purchase and installation of the radio and paging system, as directed by the Architect and Owner, including any applicable taxes and fees, and all related costs.
2. Include overhead and profit of at least 10% in Base Bid, and not as part of Allowance.

END OF SECTION 01 21 00

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SECTION 04 21 13.13

BRICK VENEER MASONRY

PART 1-GENERAL

1.1 SECTION INCLUDES

- A. Face brick units.
- B. Cast stone ornaments set into brickwork.
- C. Reinforcement, anchorage, and accessories

1.2 PRODUCTS INSTALLED BUT NOT FURNISHED UNDER THIS SECTION

- D. Section 05 50 00 — Metal Fabrications: Placement of loose steel lintels and fabricated steel items.
- E. Section 07 71 00— Roof Specialties: Placement of anchors for extruded copings.

1.3 RELATED SECTIONS

- A. Section 04 05 13 - Masonry Mortaring.
- B. Section 04 22 00 - Concrete Unit Masonry.
- C. Section 07 90 00 - Joint Protection: Rod & sealant at control joints.

1.4 REFERENCES

- A. ANSI/SATM A82 - COLD-Drawn Steel Wire for Concrete Reinforcements.
- B. ANSIIASTM C216 — facing Brick (Solid masonry units made from clay and shale).
- C. ANSI/ASTM A525 — Steel Sheet, zinc coated, (galvanized) by the Hot-dip process.
- D. IMIAC - International Masonry Industry All-Weather Council: Recommended Practices and Guide Specification for Cold Weather Masonry Construction.

1.5 SUBMITTALS

- A. Submit under provisions of Section 01 33 00.
- B. Submit four samples of face brick units and cast stone ornaments to illustrate color, texture, and extremes of color range.
- C. Submit shop drawings of cast stone ornaments, indicate materials, construction dimensions, location, and installation details.
- D. Submit manufacturers' certificate under provisions of Section 01 40 00 that products meet or exceed specified requirements.

1.6 QUALIFICATIONS

- A. Installer: Company specializing in performing the work of this Section with minimum three years' experience.

1.7 MOCK-UP

- A. Provide mock-up of complete wall system under provisions of Section 01 40 00. Locate near new west masonry exterior wall.
- B. Mock-up shall include all elements of the wall, including concrete block, bituminous damp proofing, board insulation, wall ties, face brick and weep holes. Mock-up shall illustrate brick pattern, an exterior and interior corner, and a window jamb with partial window sill and sill flashing. as shown on drawings. Wall mock-up shall be approximately 4' high by 6' wide using each color brick in pattern shown on drawings, including specified mortar.
- C. When accepted, mock-up will demonstrate minimum standard for the work. Mockup may not remain as part of the work. Remove mock-up upon completion of masonry work.

1.8 DELIVERY, STORAGE, AND HANDLING

- A. Deliver products to site. Store and protect products under provisions of Section 01 60 00.
- B. Accept masonry units on site. Inspect for damage.

1.9 ENVIRONMENTAL REQUIREMENTS

- A. Cold Weather Requirements: IMAC - Recommended Practices and Specifications for Cold Weather Masonry Construction.

PART 2-PRODUCTS

2.1 BRICK UNITS

- A. Face Brick: All brick to be modular units, ANSI/ASTM C216, Type FBS, Grade MW; Basis of Design: Triangle Brick "Old South." Mortar Basis of Design: Cemex "Antique Buff."
- B. Provide solid bricks and special shapes as required.
- C. Texture and color as selected.

2.2 ANCHORAGE

- A. Single wythe joint reinforcement: Ladder type, ASTM A82, equal to 'Dur-O-Wal' D/A 3200, hot-dipped galvanized finish. ASTM A 123, 3/16 ".
- B. Multiple wythe joint reinforcement: Ladder-Eye type, ASTM A82, equal to 'Dur-O-Wal' DIA 3600, hot-dipped galvanized finish. ASTM A 123, 3/16 ". pintles or ties.
- C. Veneer Anchors in gables, 12 gauge, 3/4" x 9 "bent plate with reinforced deformations; galvanized; equal to 'Dur-O-Wal' D/A 207.1W Tri Tie.
- D. Wire Wall Ties: 1/4 "diameter, galvanized steel, triangle ties, equal to Dur -o - wall D/A 107 — 708 as required.

2.3 FLASHINGS

- A. Galvanized Steel: ASTM A525, 090 finish, 24-gauge core steel.

2.4 ACCESSORIES

- A. Cleaning Solutions: Non-acidic, non-harmful to masonry work or adjacent materials.
- B. Weep Holes: 1/4" cotton weep rope; extend 12" vertical into cavity and attach to insulation board with roofing nails..
- C. Cavity Vents: Equal to AA 224 as manufactured by AA Weir Products.
- D. Control Joints/Soft Joints: Neoprene material cement fused joints, 3/8 "thick for control joints, 1/4 "thick for soft joints; Equal to Dur-O-Wal D/A 2015 and D/A 2010.
- E. Weather Resistive Barrier (WRB): see specification section 07 27 27 Self-Adhered Sheet Membrane Air Barrier.

- F. Mortar Net: Equal to Dur-O-Wal, Mortar Net. Typical at all through wall flashing/weep locations.

PART 3-EXECUTION

3.1 EXAMINATION

- A. Verify that field conditions are acceptable and are ready to receive work.
- B. Verify items provided by other sections of work are properly sized and located.
- C. Beginning of installation means installer accepts existing conditions.

3.2 PREPARATION

- A. Direct and coordinate placement of metal anchors supplied with other Sections.
- B. Provide temporary bracing during installation of masonry work. Maintain in place until building structure provides permanent bracing.

3.3 COURSING

- A. Establish lines, levels, and coursing indicated. Protect from displacement.
- B. Maintain masonry courses to uniform dimensions. Form vertical and horizontal joints to uniform thickness.
- C. Lay brick units in running bond or Flemish bond as indicated on the drawings. Course with three brick units and three mortar joints to equal 8 inches. Form concave mortar joints.

3.4 PLACING AND BONDING

- A. Lay solid masonry units in full bed of mortar, with full head joints, uniformly jointed with other work.
- B. Buttering corners of joints or excessive furrowing of mortar joints are not permitted.
- C. Remove excess mortar as Work progresses.
- D. Interlock intersections and external corners.
- E. Do not shift or tap masonry units after mortar has achieved initial set. Where adjustment must be made, remove mortar and replace.

- F. Perform job site cutting of masonry units with proper tools to provide straight, clean, unchipped edges. Prevent broken masonry unit corners or edges.
- G. Isolate top joint of masonry from horizontal structural members with compressible joint filler.
- H. Half or full units only at jambs; modular work coursed from top down.

3.5 WEEPS & VENTS

- A. Install weep holes in veneer at 24 inches on center horizontally above through-wall flashing, above shelf angles, and at bottom of walls.
- B. Install cavity vents directly over weep holes at top of each cavity space and below shelf angles in veneer at 24 inches on center horizontally.
- C. Install weeps at each corner of window openings for windows up to 30" wide. In addition, for windows 31" and larger, provide weep at center of window opening.

3.6 CAST ORNAMENTS

- A. Install and anchor cast stone ornament in accordance with manufacturer's instructions.

3.7 ANCHORAGES

- A. Install horizontal joint reinforcement 16 "oc; anchor to concrete block reinforcement.
- B. Secure wall ties to stud framed back-up in gables and embed into masonry veneer at maximum 16 inches oc each way and around perimeter of openings, within 12 inches of openings.

3.8 MASONRY FLASHINGS

- A. Extend flashings through veneer, turn up minimum 8 inches and seal to back-up.
- B. Where indicated insert flashings into reglets to form tight fit Secure in place with wedges and seal flashing into reglet with sealant.
- C. Lay end joints minimum 6 inches and seal watertight.
- D. Use flashing manufacturers' recommended adhesive and sealer.

3.9 LINTELS

- A. Install loose steel lintels over window openings and door openings.
- B. Maintain minimum 8-inch bearing on each side of opening.
- C. All lintels to be hot-dipped galvanized. Paint to match brick veneer, color to be selected by Architect.

3.10 CONTROL JOINTS

- A. Install preformed control joint device in continuous lengths. Seal butt and corner joints in accordance with manufacturer's instructions.
- B. Size control in accordance with Section 079000 for sealant performance.

3.11 TOLERANCES

- A. Maximum variation from unit to adjacent unit: 1/32 inch.
- B. Maximum variation from plane of wall: 1/4 inch in 10 feet and 1/2 inch in 20 feet or more.
- C. Maximum variation from plumb: 1/4 inch per story non-cumulative; 1/2 inch in two stories or more.
- D. Maximum variation from level coursing: 1/8 inch in 3 foot and 1/4 inch in 10 feet; 1/2 inch in 30 feet

3.12 CUTTING AND FITTING

- A. Cut and fit for conduit and sleeves. Coordinate with other sections of work to provide correct size, shape, and location.
- B. Obtain Architects' approval prior to cutting or fitting masonry work not indicated or where appearance or strength of masonry work may be impaired.

3.13 CLEANING

- A. Clean work under provisions of Section 017100.
- B. Remove excess mortar and mortar smears.
- C. Replace defective mortar. Match adjacent work.
- D. Clean soiled surfaces with cleaning solution.
- E. Use non-metallic tools in cleaning operation.

F. Do not pressure wash Masonry

3.14 PROTECTION OF FINISHED WORK

A. Protect finished installation under provisions of Section 016000.

B. Without damaging completed work, provide protective boards at exposed external corners which may be damaged by construction activities.

END OF SECTION 04 21 13.13

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IRONDALE FIRE STATION #3

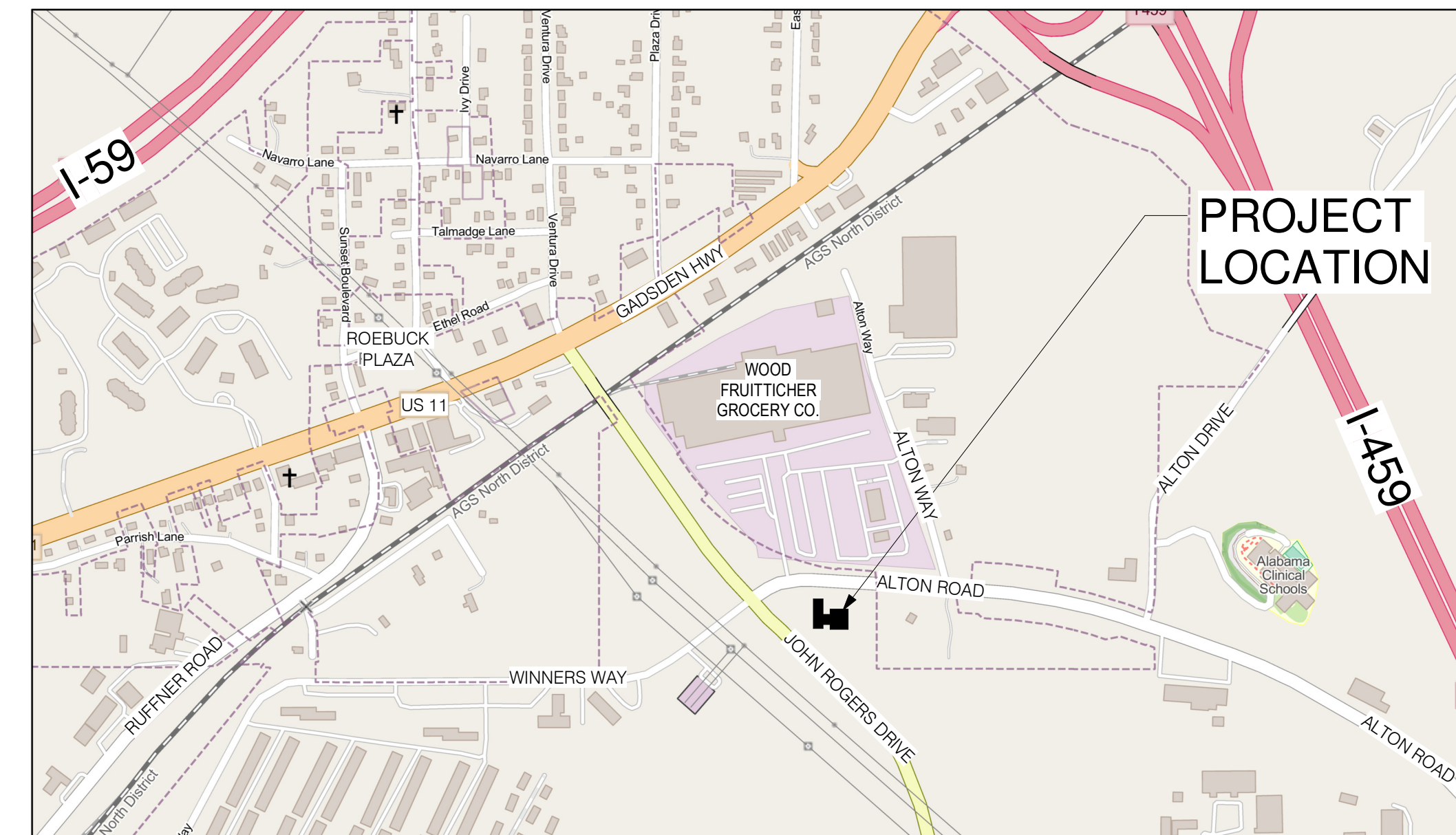
MAYOR: JAMES STEWART

CITY COUNCIL: JOHN LONDON DISTRICT 1
 DAVID SPIVEY DISTRICT 2
 CINDY CUELLAR DISTRICT 3
 ROBERT BOX DISTRICT 4
 AARON SIMS DISTRICT 5



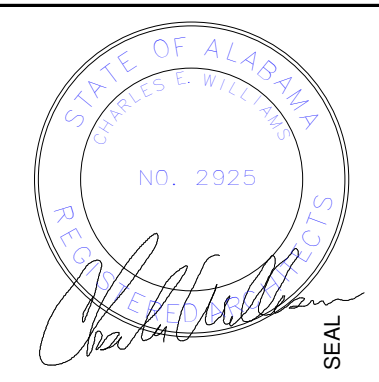
DESIGN TEAM

Architect: Charles Williams & Associates, Inc.
 Program Manager: Kemp Management Solutions
 Structural Engineer: Structural Design Group (SDG)
 Civil Engineer: Kadre Engineering
 Mechanical/Plumbing: Dewberry
 Electrical Engineer: CCE Electrical Engineering
 Landscape Architect: Greg Hansen – Hansen L / A
 Interior Designer: Jill Hicks Design, LLC
 Kitchen Consultant: Culinary Design Support, LLC
 Septic Engineer: Septic System Engineers of the South



VICINITY MAP

Revisions		
No.	Date	Description



100% CDS

IRONDALE FIRE STATION #3
 2101 JOHN ROGERS DR
 BIRMINGHAM, AL 35210
 CITY OF IRONDALE

DRAWING INDEX

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CS	COVER SHEET
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LS1	LIFE SAFETY PLAN
LS2	STORM SHELTER PLAN
C0.1	NOTES
C1.0	SITE LAYOUT PLAN
C2.0	SITE GRADING PLAN
C2.1	SITE DRAINAGE PLAN
C2.2	STORM PROFILES
C3.0	SITE UTILITY PLAN
C4.0	DETAILS
C4.1	DETAILS
C4.2	EROSION CONTROL PLAN - FINAL
C5.0	DETAILS
C5.1	DETAILS
C5.2	DETAILS
C5.3	DETAILS
C5.4	DETAILS
C6.0	ONSITE SEWER SYSTEM (OSS) PLANS & DETAILS
S1.0	GENERAL NOTES
S1.1	GENERAL NOTES
S1.2	GENERAL NOTES AND TYPICAL DETAILS
S1.3	TYPICAL DETAILS
S1.4	TYPICAL DETAILS
S1.5	TYPICAL DETAILS
S1.6	TYPICAL DETAILS
S1.7	TYPICAL DETAILS
S2.1	FOUNDATION PLAN
S2.2	ROOF FRAMING & SHELTER ROOF FRAMING PLAN
S3.1	SECTIONS AND DETAILS
S3.2	SECTIONS AND DETAILS
S3.3	SECTIONS AND DETAILS
S4.1	SECTIONS AND DETAILS
S4.2	SECTIONS AND DETAILS
S4.3	SECTIONS AND DETAILS
S4.4	SECTIONS AND DETAILS

DRAWING INDEX

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S4.6	SECTIONS AND DETAILS
L1	LANDSCAPE PLAN
L2	IRRIGATION PLAN
L3	LANDSCAPE DETAILS
L4	LANDSCAPE DETAILS
L5	PAVER PLANS
A2.01	OVERALL FLOOR PLAN
A2.20	ENLARGED PLAN- BLOCK A (BAY)
A2.21	ENLARGED PLAN- BLOCK B (DORM)
A2.30	DUMSPYTER ENCLOSURE PLAN & DETAILS
A3.01	ROOF PLAN
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A4.10	FINISH NOTES & SCHEDULE
A4.11	INTERIOR FINISHES
A4.12	FLOOR PATTERN INSTALLATION DIAGRAM
A4.20	DOOR SCHEDULES, TYPES, & DETAILS
A4.21	DOOR DETAILS - HOLLOW METAL & BAY DOORS
A4.30	STOREFRONT/ WINDOW TYPES & DETAILS
A4.31	STOREFRONT DETAILS
A5.01	WALL TYPES
A5.02	MISCELLANEOUS DETAILS
A5.03	STAIR DETAILS
A6.01	EXTERIOR ELEVATIONS
A6.02	EXTERIOR ELEVATIONS
A7.01	BUILDING SECTIONS
A7.02	BUILDING SECTIONS
A7.10	WALL SECTIONS
A7.11	WALL SECTIONS
A7.12	WALL SECTIONS
A7.13	WALL SECTIONS
A10.01	WET AREA PLANS & DETAILS
A11.03	INTERIOR ELEVATIONS
A11.04	INTERIOR ELEVATIONS
A11.05	INTERIOR ELEVATIONS & DETAILS
A12.01	REFLECTED CEILING PLANS
FS1.01	KITCHEN PLAN

DRAWING INDEX

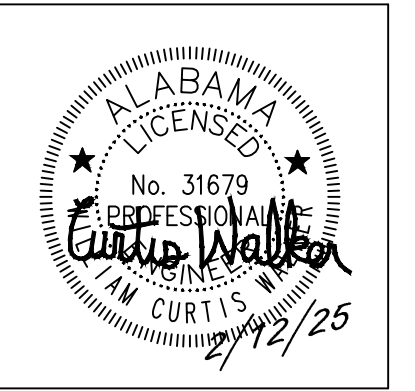
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FS1.02	EQUIPMENT SCHEDULE
FS2.01	POWER PLAN
FS3.01	PLUMBING PLAN
M0.1	MECHANICAL LEGEND AND SCHEDULES
M0.2	MECHANICAL SCHEDULES
M0.3	MECHANICAL SCHEDULES & DETAILS
M0.4	MECHANICAL DETAILS
M0.5	MECHANICAL CONTROLS & DETAILS
M0.6	MECHANICAL CONTROLS AND ASHRAE 15 CALCS
M0.7	MECHANICAL OUTSIDE AIR CALCULATIONS
M0.8	MECHANICAL OUTSIDE AIR CALCULATIONS
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M1.2	MECHANICAL ROOF PLAN
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E002	Lighting Fixture Schedule & Details
E003	Electrical Details
E004	Electrical Details
E005	Electrical Details
E006	Electrical Details
E101	Site Plan - Electrical
E102	Site Plan - Photometric
E201	Level 1 Plan - Lighting
E202	Level 1 Plan - Power
E203	Level 1 Plan - Auxiliary
E204	Level 1 Plan - Equipment Connections
E301	Electrical Riser Diagram & Panel Schedules

CHARLES WILLIAMS & ASSOCIATES ARCHITECTS
 3601 8TH AVE. SOUTH BIRMINGHAM, ALABAMA 35222
 PH: 205-250-0700 FAX: 205-250-0515

SHEET TITLE:	COVER SHEET
PROJECT NUMBER:	CWA No. 2023-01
DATE:	08/30/24
DRAWN BY:	CSV
CHECKED BY:	CW

SHEET NUMBER
CS

Revisions		
No.	Date	Description
1	2/12/25	ADDENDUM #2



100% CD'S

IRONDALE FIRE STATION #3

2101 JOHN ROGERS DR
 BIRMINGHAM, AL 35210
 CITY OF IRONDALE

CHARLES WILLIAMS & ASSOCIATES ARCHITECTS
 PH: 205-250-0700
 3601 8TH AVE. SOUTH BIRMINGHAM, ALABAMA 35222
 FAX: 205-250-0515



SHEET TITLE:
 SITE UTILITY PLAN

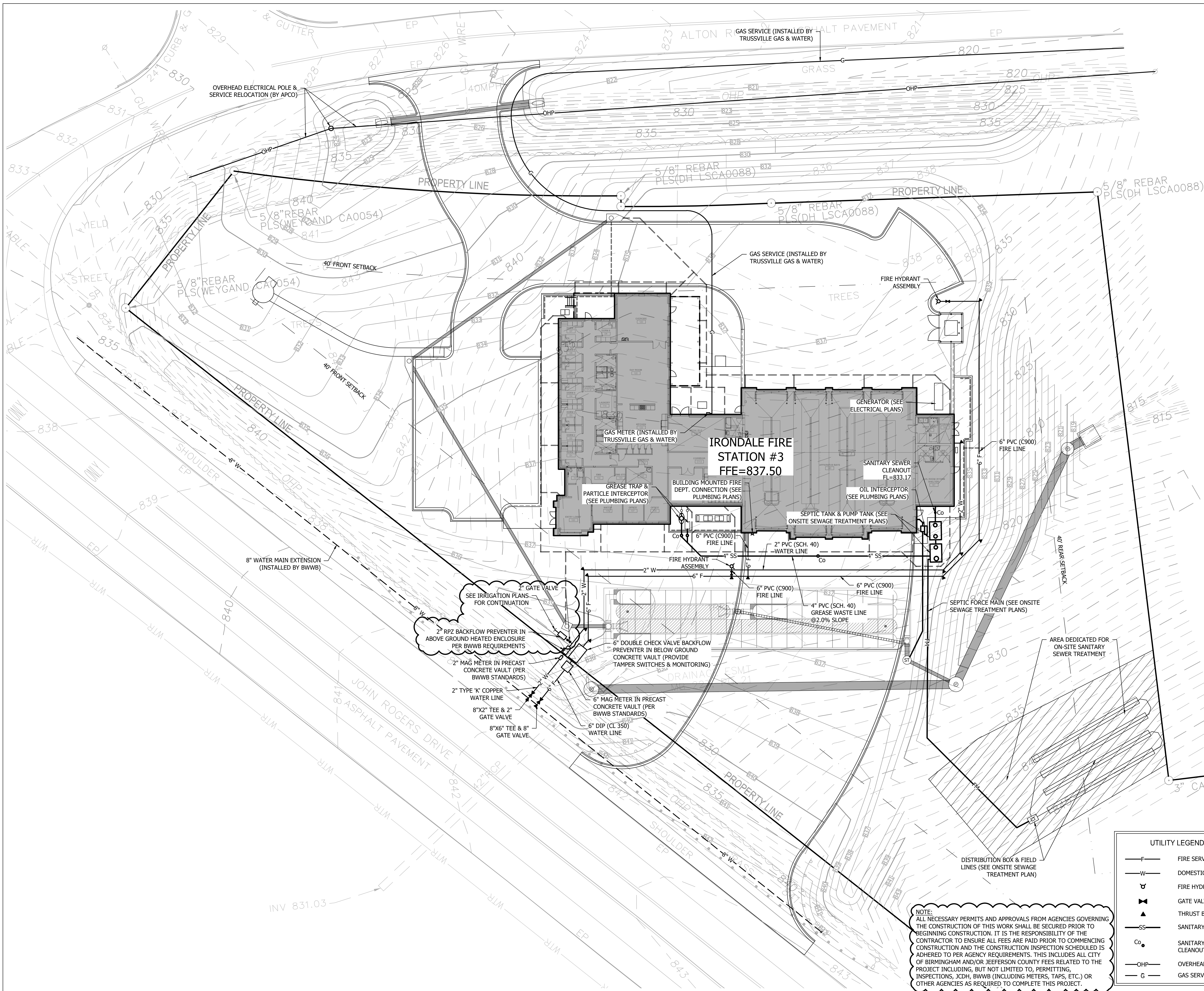
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 CWA No. 2023-01

DATE:
 8/30/24

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 WCV

CHECKED BY:
 CIE

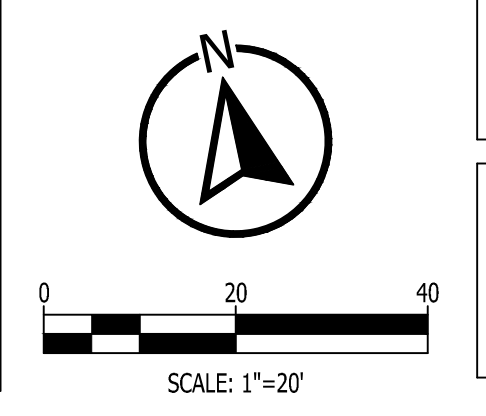
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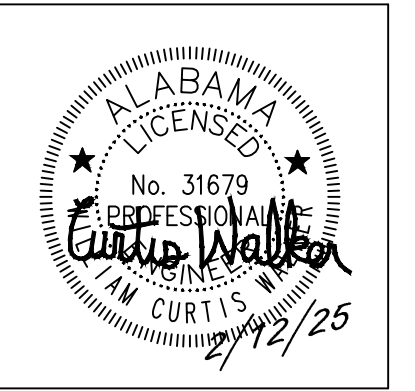
UTILITY LEGEND

F	FIRE SERVICE
W	DOMESTIC WATER
α	FIRE HYDRANT
⊥	GATE VALVE
▶	THRUST BLOCK
SS	SANITARY SEWER
Co	SANITARY SEWER CLEANOUT
OHP	OVERHEAD POWER
G	GAS SERVICE

NOTE:
 ALL NECESSARY PERMITS AND APPROVALS FROM AGENCIES GOVERNING THE CONSTRUCTION OF THIS WORK SHALL BE SECURED PRIOR TO BEGINNING CONSTRUCTION. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE ALL FEES ARE PAID PRIOR TO COMMENCING CONSTRUCTION AND THE CONSTRUCTION INSPECTION SCHEDULED IS ADHERED TO PER AGENCY REQUIREMENTS. THIS INCLUDES ALL CITY OF BIRMINGHAM AND/OR JEFFERSON COUNTY FEES RELATED TO THE PROJECT INCLUDING, BUT NOT LIMITED TO, PERMITTING, INSPECTIONS, JCDH, BWWB (INCLUDING METERS, TAPS, ETC.) OR OTHER AGENCIES AS REQUIRED TO COMPLETE THIS PROJECT.



Revisions		
No.	Date	Description
1	2/12/25	ADDENDUM #2



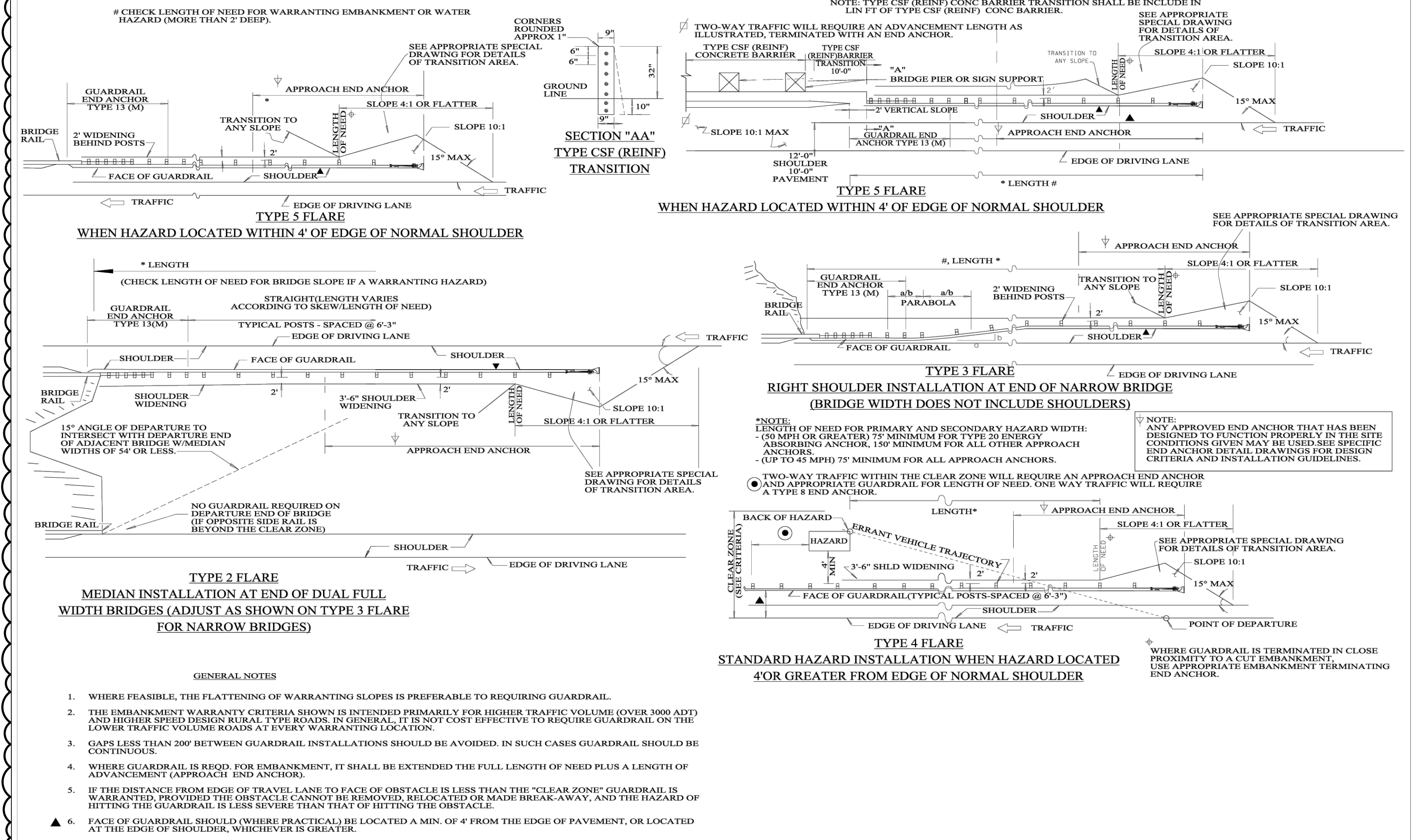
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IRONDALE FIRE STATION #3
 2101 JOHN ROGERS DR
 BIRMINGHAM, AL 35210
 CITY OF IRONDALE

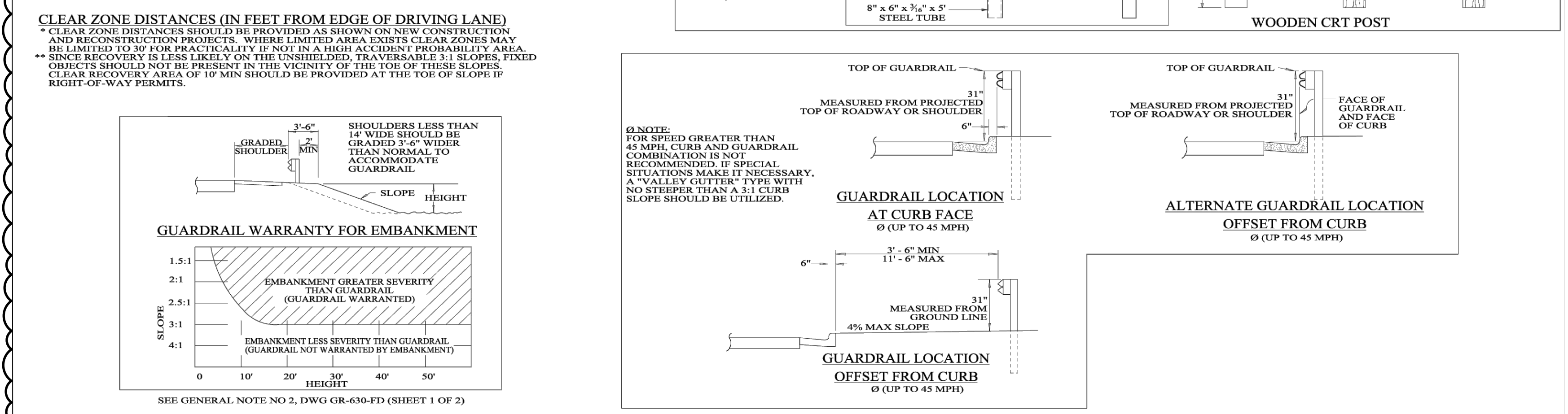
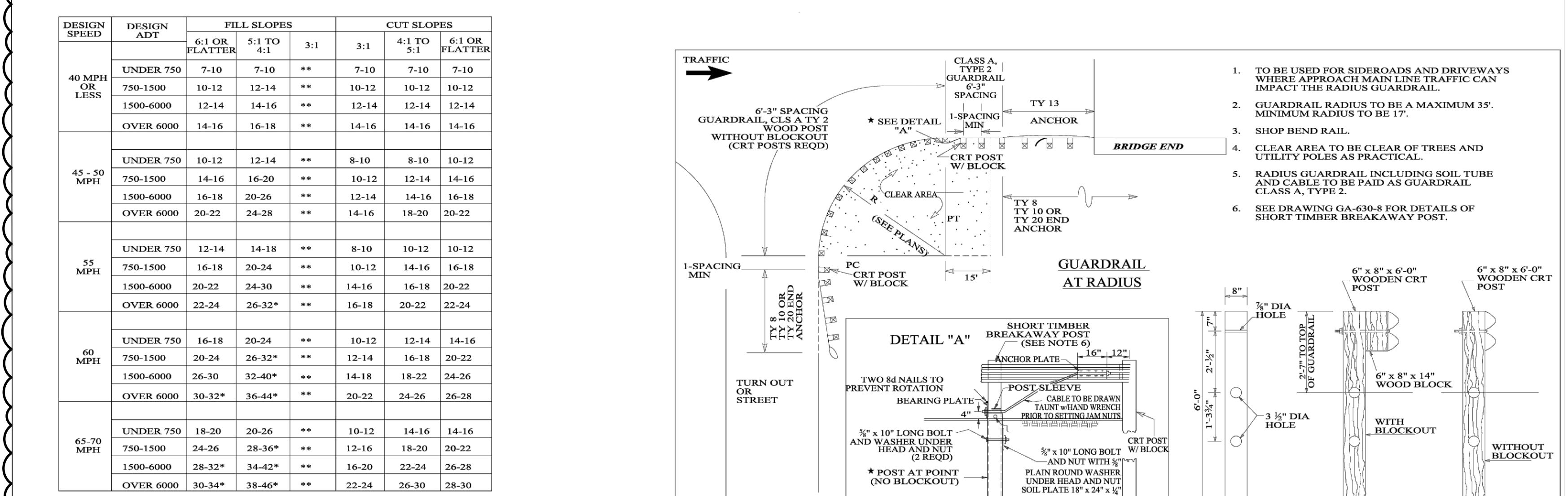
CWA
 CHARLES WILLIAMS & ASSOCIATES ARCHITECTS
 PH: 205-250-0700
 3601 8TH AVE. SOUTH BIRMINGHAM, ALABAMA 35222
 FAX: 205-250-0515

SHEET TITLE:	DETAILS
PROJECT NUMBER:	CWA No. 2023-01
DATE:	8/30/24
DRAWN BY:	CHEKED BY:
WCW	CIE

SHEET NUMBER
C5.4



DESIGN SPEED	DESIGN ADT	FILL SLOPES	CUT SLOPES
40 MPH OR LESS	UNDER 750	6:1 OR FLATTER	4:1 TO 5:1 FLATTER
45-50 MPH	750-1500	7-10	7-10
55 MPH	1500-6000	10-12	10-12
60 MPH	OVER 6000	12-14	12-14
65-70 MPH	UNDER 750	12-14	8-10
	750-1500	14-16	10-12
	1500-6000	16-18	12-14
	OVER 6000	20-22	14-16



DESIGN SPEED	DESIGN ADT	FILL SLOPES	CUT SLOPES
40 MPH OR LESS	UNDER 750	6:1 OR FLATTER	4:1 TO 5:1 FLATTER
45-50 MPH	750-1500	7-10	7-10
55 MPH	1500-6000	10-12	10-12
60 MPH	OVER 6000	12-14	12-14
65-70 MPH	UNDER 750	12-14	8-10
	750-1500	14-16	10-12
	1500-6000	16-18	12-14
	OVER 6000	20-22	14-16

Revisions		
No.	Date	Description
1	2/11/25	ADDENDA #2



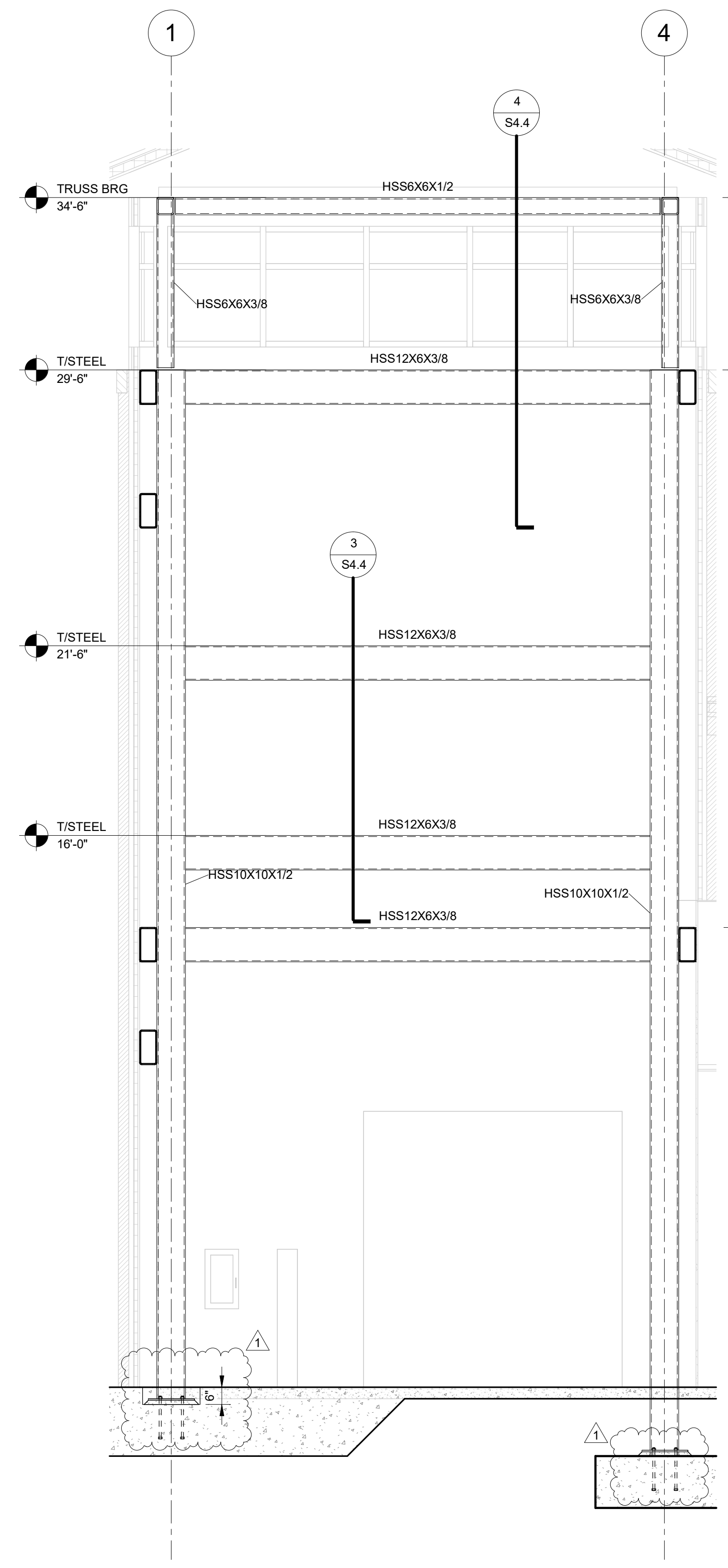
100% CDs

IRONDALE FIRE STATION #3
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 Birmingham, Alabama
 CITY OF IRONDALE

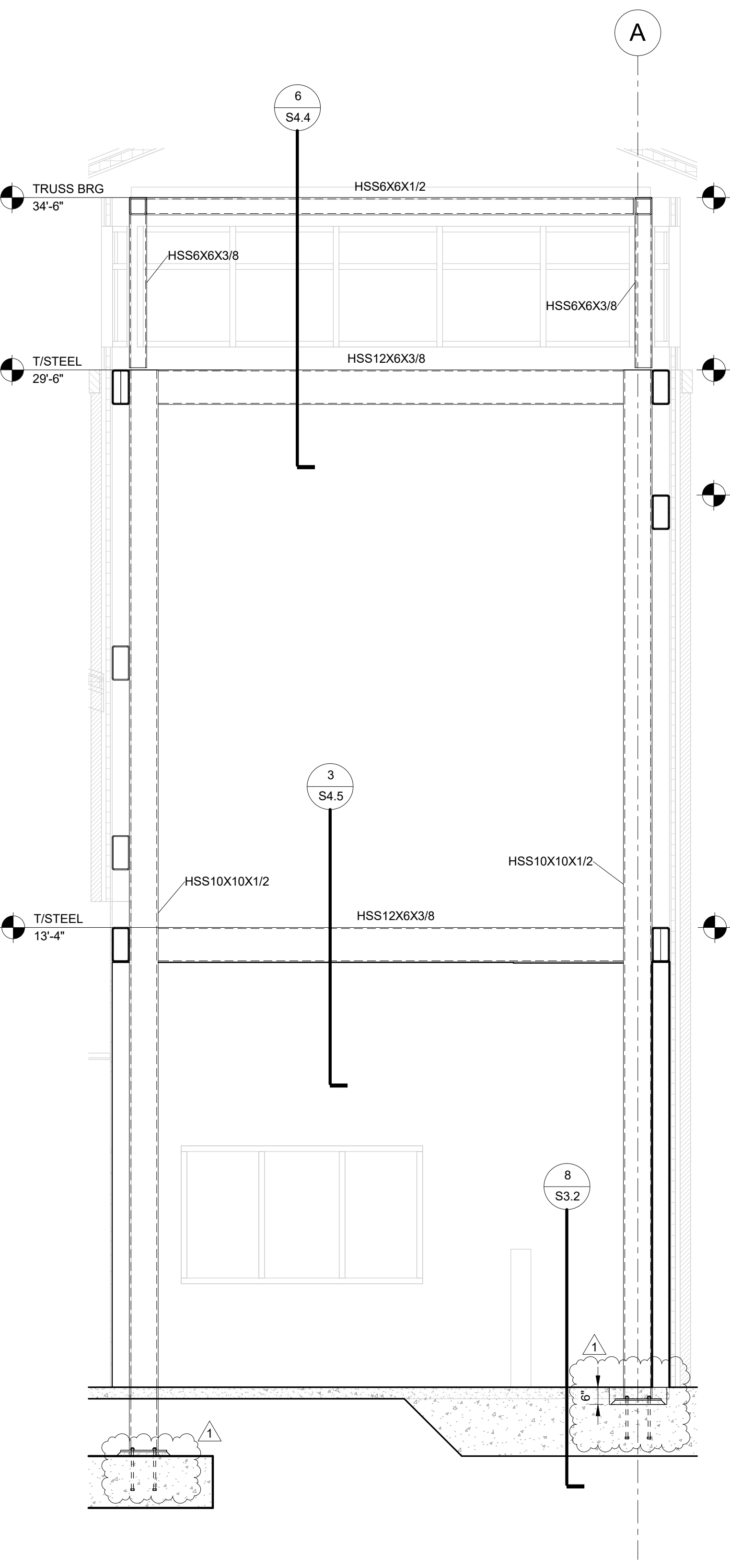
CHARLES WILLIAMS
 & ASSOCIATES
 ARCHITECTS
CWA
 3601 8TH AVE. SOUTH
 BIRMINGHAM, ALABAMA 35222
 PH: 205-250-0700
 FAX: 205-250-0515

SHEET TITLE:
SECTIONS AND DETAILS
 PROJECT NUMBER:
CWA No. 2023-01
 DATE:
08.30.24
 DRAWN BY: **TRM**
 CHECKED BY: **HCW**

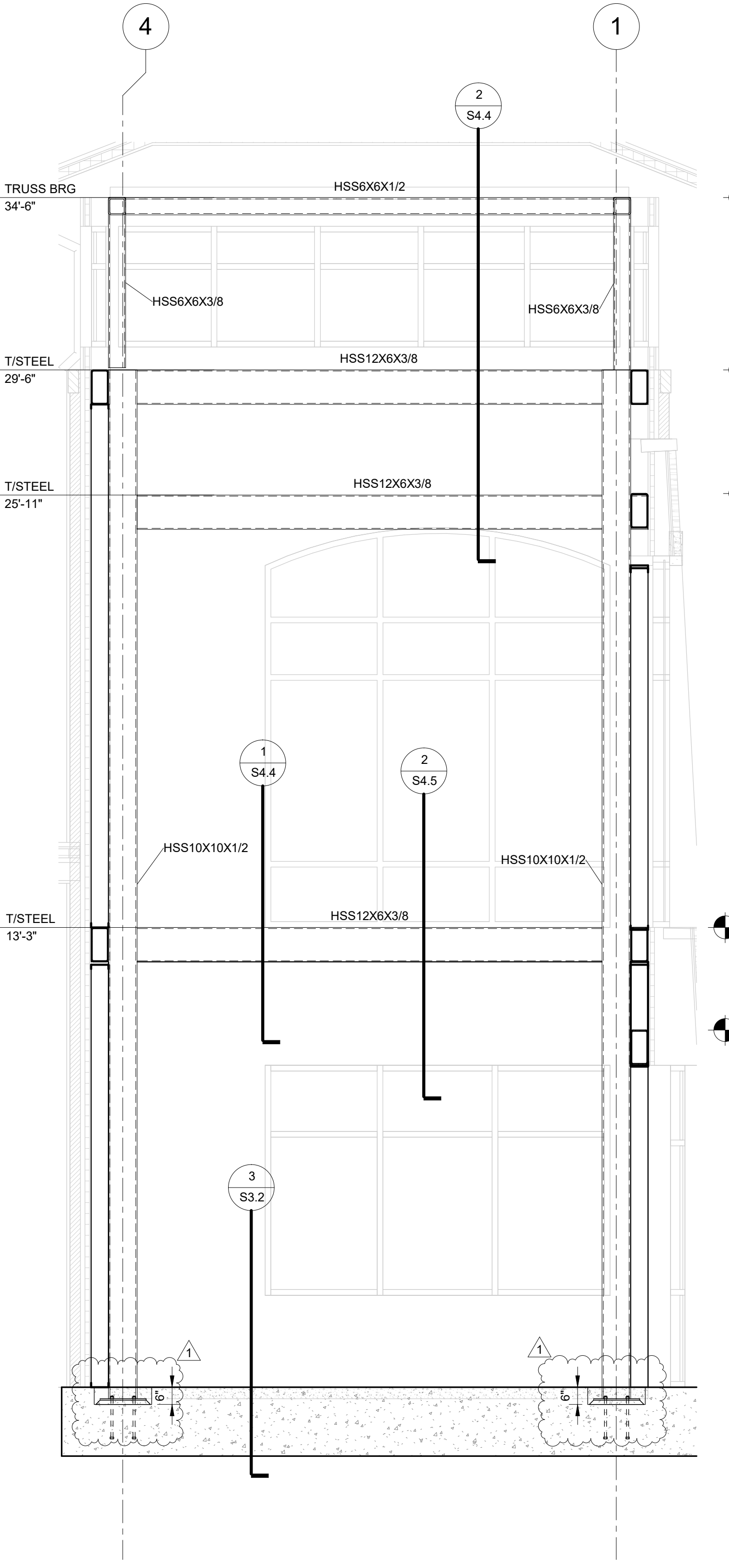
SHEET NUMBER
S4.6



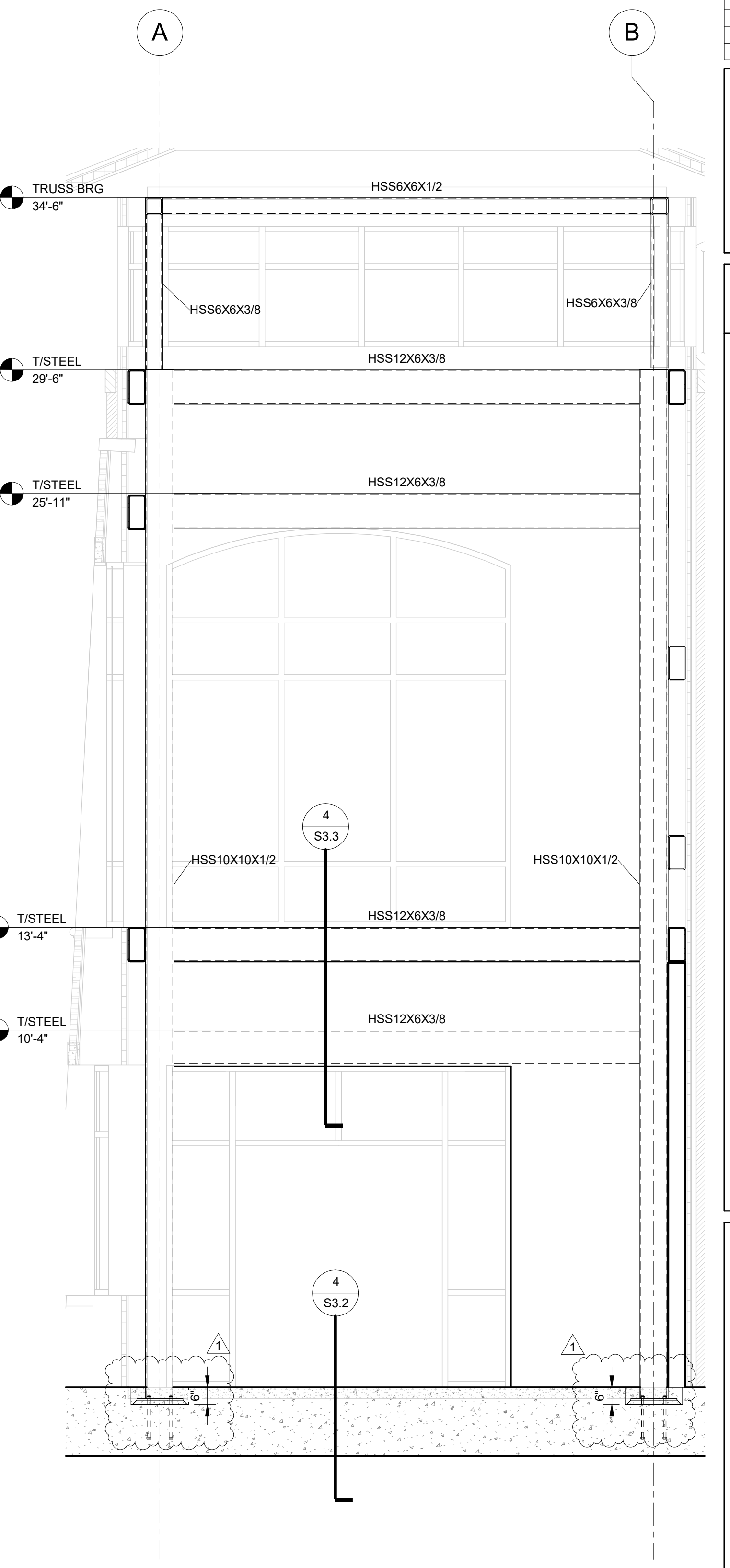
ELEVATION 1
 3/8" = 1'-0" S4.6



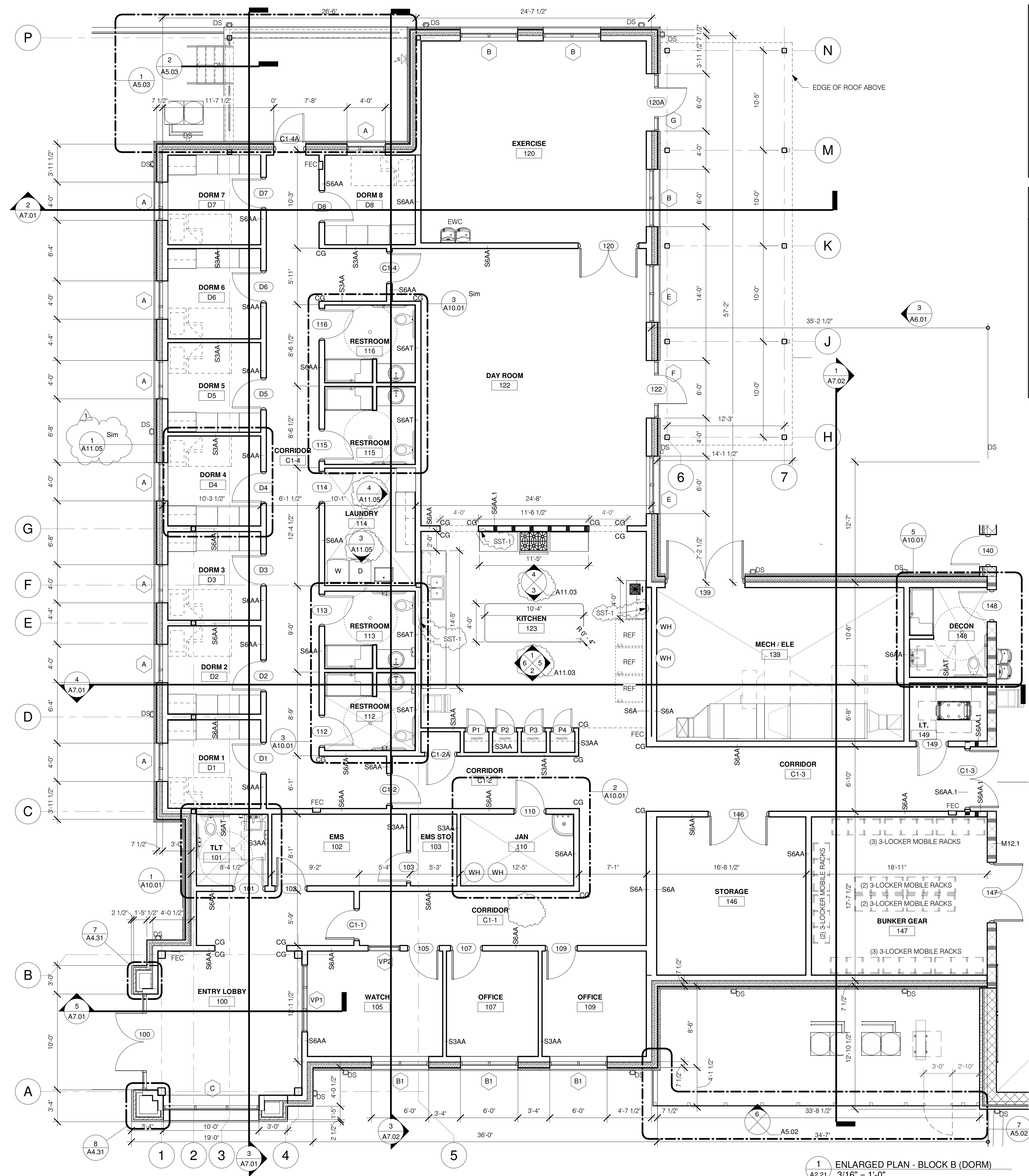
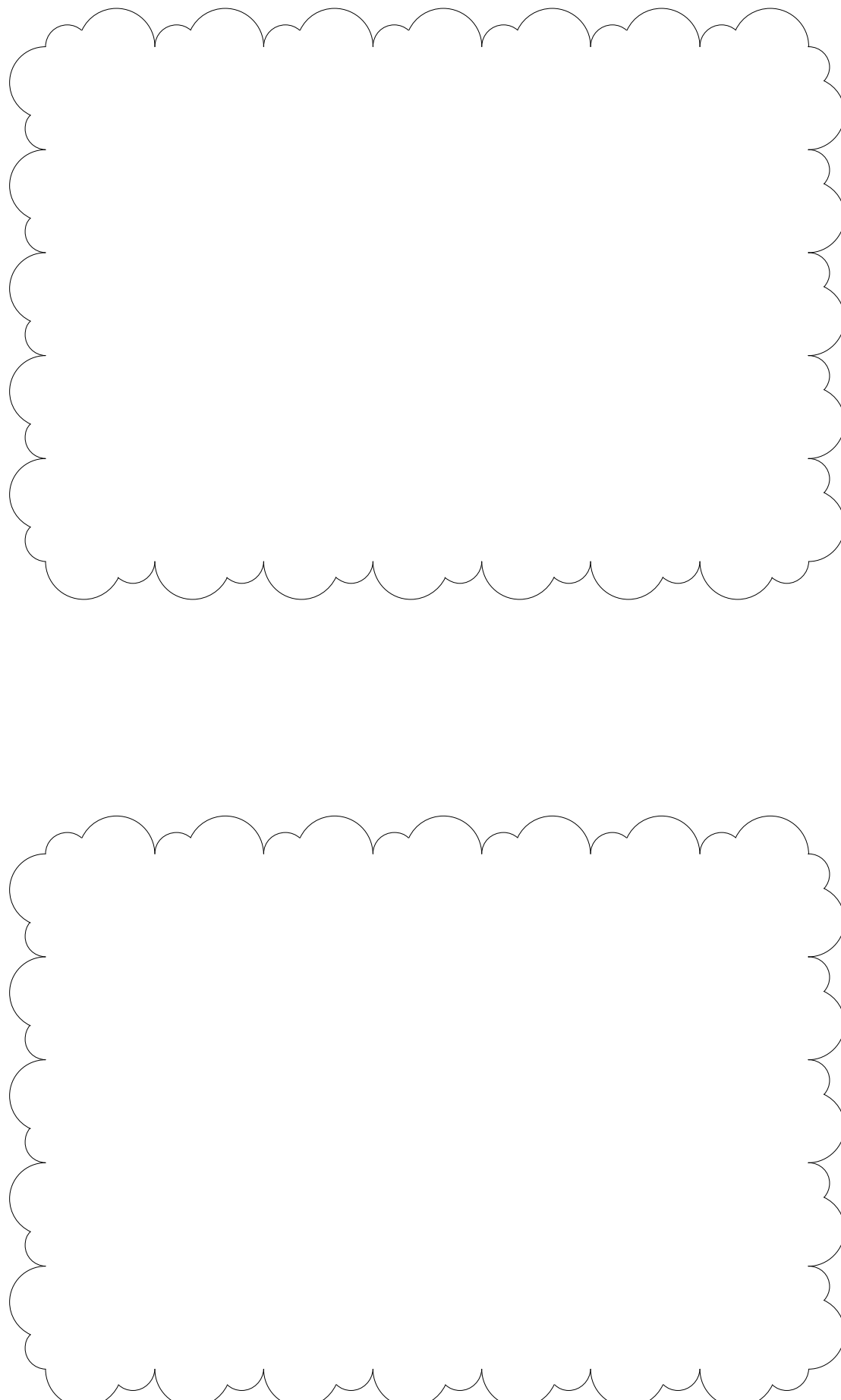
ELEVATION 2
 3/8" = 1'-0" S4.6



ELEVATION 3
 3/8" = 1'-0" S4.6



ELEVATION 4
 3/8" = 1'-0" S4.6



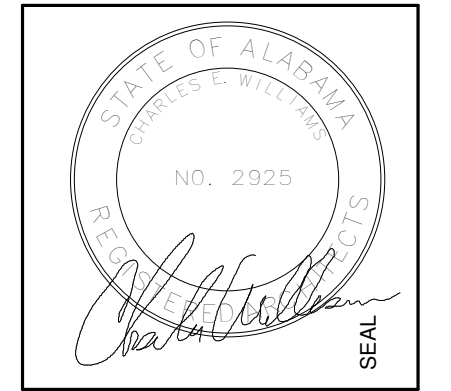
ABBREVIATIONS

A/C	HVAC UNIT
CG	CORNER GUARD
CJ	CONTROL JOINT
DS	DOWNSPOUT
EJ	EXPANSION JOINT
EWC	ELECTRIC WATER COOLER/BOTTLE FILLER
FEC	FIRE EXTINGUISHER & CABINET
HB	HOSE BIB
MB	MARKER BOARD
NIC	NOT IN CONTRACT (OWNER PROVIDED, CONTRACTOR INSTALLED)
TB	TACK BOARD
REF	REFRIGERATOR
DW	DISHWASHER
W	WASHER
D	DRYER
WH	WATER HEATER

- PLAN SHEET NOTES**
- 40' LONG CONC POLYMER TRENCH DRAIN SYSTEM WITH HEAVY DUTY GRATE, TYP.
 - WALL RACK EQ. TO 'GEARGRID CORP. - 5' WASH CENTER'
 - WALL RACK EQ. TO 'GEARGRID CORP. - 5' BROOM CENTER'
 - ICE MAKER/STORAGE BIN EQ. TO 'SCOTSMAN MODEL: C 0322 W/ SB 322 BIN'
 - 6" DIA STEEL BOLLARD, FILLED W/ CONCRETE, COLOR: SAFETY YELLOW, APPLY D.O.T. HIGHLY REFLECTIVE CONSPICUITY TAPE, BASIS OF DESIGN 3M 983 SERIES, 2" WIDE
 - MOBILE PPE RACKS EQ. TO GEARGRID 'MOBILE 3-PACK, 20" x 20" d x 83.25" h'
 - CAULK ALL CONTROL JOINTS WHERE CONC. FLOOR IS EXPOSED.

Revisions

No.	Date	Description
1	2/12/25	ADDENDUM 2



100% CDS

IRONDALE FIRE STATION #3
 2101 JOHN ROGERS DR
 BIRMINGHAM, AL 35210
 CITY OF IRONDALE

CHARLES WILLIAMS & ASSOCIATES ARCHITECTS
CWA
 3601 8TH AVE. SOUTH BIRMINGHAM, ALABAMA 35222
 PH: 205-250-0700
 FAX: 205-250-0515

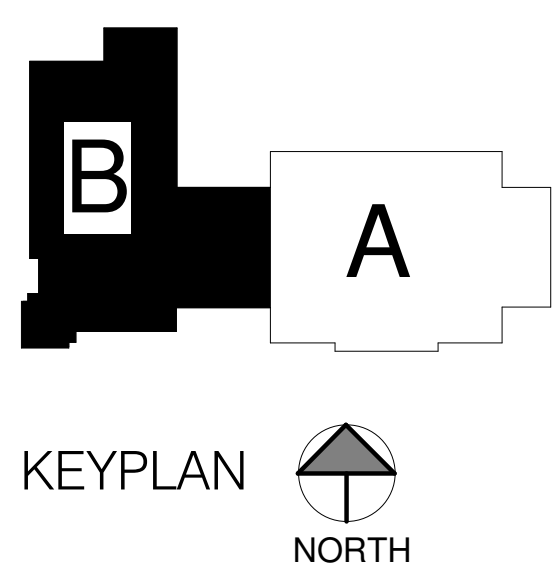
SHEET TITLE:
ENLARGED PLAN- BLOCK B (DORM)

PROJECT NUMBER:
CWA No. 2023-01

DATE:
08/30/24

DRAWN BY: **RM** CHECKED BY: **CSV**

SHEET NUMBER
A2.21



1 ENLARGED PLAN - BLOCK B (DORM)
 A2.21 3/16" = 1'-0"

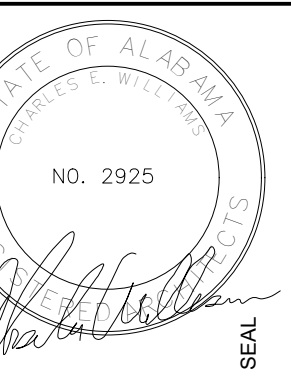
BASIS OF DESIGN: FINISH SCHEDULE LEGEND

TAG	ITEM	LOCATION	MANUFACTURER	DESCRIPTION & COMMENTS	ATTIC STOCK
FLOORING					
CPT-1	CARPET TILE	SEE PLANS AND SCHEDULES	INTERFACE	STYLE: AGLow COLOR: #107248 IRON POPPY INSTALLATION METHOD: SEE INSTALLATION PLAN TILE SIZE: 25CM X 1M	5% OF INSTALLED AMOUNT
CPT-2	CARPET TILE	SEE PLANS AND SCHEDULES	INTERFACE	STYLE: STEP REPEAT #SR899 COLOR: 104940 IRON INSTALLATION METHOD: SEE INSTALLATION PLAN TILE SIZE: 50CM X 50CM	5% OF INSTALLED AMOUNT
PFT-1	PORCELAIN TILE	RESTROOM FLOORS	DAL TILE	STYLE: REMINISCENT COLOR: RECLAIMED GRAY RM23 INSTALLATION METHOD: RUNNING BOND FINISH: MATTE TILE SIZE: 2" X 2" GROUT: BOSTIK #H160 DELOREAN GRAY; GROUT WIDTH: 3/16"	5% OF INSTALLED AMOUNT
LVT-1	LUXURY VINYL TILE	SEE PLANS AND SCHEDULES	INTERFACE	STYLE: STUDIO SET COLOR: #A00713 PEPPER INSTALLATION METHOD: ASHLAR TILE SIZE: 25CM X 1M X 4.5MM	5% OF INSTALLED AMOUNT
LVT-2	LUXURY VINYL TILE	SEE PLANS AND SCHEDULES	INTERFACE	STYLE: STUDIO SET COLOR: #A00717 RED INSTALLATION METHOD: SEE INSTALLATION DIAGRAM TILE SIZE: 25CM X 1M X 4.5MM	5% OF INSTALLED AMOUNT
LVT-3	LUXURY VINYL TILE	SEE PLANS AND SCHEDULES	INTERFACE	STYLE: TEXTURED WOODGRAINS #A004 COLOR: #A00405 GREY DUNE INSTALLATION METHOD: STAGGER; SEE INSTALLATION PLAN TILE SIZE: 25CM X 1M X 4.5MM	5% OF INSTALLED AMOUNT
INSERT	LUXURY VINYL TILE	SEE PLANS AND SCHEDULES	INTERFACE	CUSTOM CUT LOGO INSERT SEE INSTALLATION DIAGRAM CONTACT LORI BAILEY, INTERFACE.205.821.6401 FOR DETAILS	N/A
RT-1	RUBBER FLOOR TILE	EXERCISE ROOM	NORA	STYLE: NORAPLAN SENTICA 3MM COLOR: 6522 EXPEDITION INSTALLATION METHOD: SEE INSTALLATION DIAGRAM TILE SIZE: 610MM X 610MM	5% OF INSTALLED AMOUNT
RT-2	RUBBER FLOOR TILE	EXERCISE ROOM	NORA	STYLE: NORAPLAN SENTICA 3MM COLOR: 6521 SUNDAY PAPER INSTALLATION METHOD: SEE INSTALLATION DIAGRAM TILE SIZE: 610MM X 610MM	5% OF INSTALLED AMOUNT
RT-3	RUBBER FLOOR TILE	EXERCISE ROOM	NORA	STYLE: NORAPLAN SENTICA 3MM COLOR: 6515 BARBEQUE INSTALLATION METHOD: SEE INSTALLATION DIAGRAM TILE SIZE: 610MM X 610MM	5% OF INSTALLED AMOUNT
VCT-1	STATIC DISSIPATIVE VINYL COMPOSITION TILE	IT CLOSET	ARMSTRONG COMMERCIAL	STYLE: EXCELON SDT COLOR: ARMOUR GRAY #51851 INSTALLATION METHOD: BASKETWEAVE TILE SIZE: 12" X 12"	
SC	SEALED CONCRETE WITH SEALER			SEALER: SIKAGARD-300 HD WD (or approved equal)	
WALL					
PNT-1	GENERAL WALL PAINT	SEE PLANS AND SCHEDULE	SHERWIN WILLIAMS	COLOR: ACIER #SW 9170 FINISH: EGG SHELL; 100% ACRYLIC LATEX	1 GALLON. INDICATE STORE LOCATION AND COLOR FORMULA ON CAN.
PNT-2	ACCENT WALL PAINT	SEE PLANS AND SCHEDULE	SHERWIN WILLIAMS	COLOR: GAUNTLET GRAY #SW 7019 FINISH: EGG SHELL; 100% ACRYLIC LATEX	1 GALLON. INDICATE STORE LOCATION AND COLOR FORMULA ON CAN.
PNT-3	TRIM PAINT	HOLLOW METAL DOORS & FRAMES	SHERWIN WILLIAMS	COLOR: BLACK FOX #SW 7020 FINISH: LOW VOC SEMI-GLOSS	1 GALLON. INDICATE STORE LOCATION AND COLOR FORMULA ON CAN.
PNT-4	ACCENT PAINT - APPARATUS BAYS	SEE PLANS AND SCHEDULE	SHERWIN WILLIAMS	COLOR: TO BE DETERMINED FINISH: EGG SHELL; 100% ACRYLIC LATEX	1 GALLON. INDICATE STORE LOCATION AND COLOR FORMULA ON CAN.
CT-1	WALL TILE (CERAMIC)	GENERAL RESTROOM WALL TILE	MARAZZI TILE	STYLE: COSTA CLARA COLOR: PEBBLE SHORE CC83 FINISH: GLOSSY INSTALLATION METHOD: VERTICAL STACKED BOND TILE SIZE: 3" X 12" GROUT: BOSTIK H160 DELOREAN GRAY; 3/16" GROUT WIDTH PROVIDE SCHLUTER JOLLY TRIM @ ALL OUTSIDE CORNERS	5% OF INSTALLED AMOUNT
CT-2	WALL TILE (CERAMIC)	ACCENT RESTROOM WALL TILE PROVIDE (1) ACCENT BAND @ 4'-0" AFF	MARAZZI TILE	STYLE: ZELLIGE NEO COLOR: GESSO ZL11 FINISH: GLOSSY INSTALLATION METHOD: VERTICAL STACKED BOND TILE SIZE: 3" X 12" GROUT: BOSTIK H160 DELOREAN GRAY; 3/16" GROUT WIDTH PROVIDE SCHLUTER JOLLY TRIM @ ALL OUTSIDE CORNERS	5% OF INSTALLED AMOUNT
SST-1	STAINLESS STEEL WALL TILE	KITCHEN BACKPLASH; SEE ELEVATIONS	STAINLESS STEEL TILE	STAINLESS STEEL SUBWAY TILE PRODUCT #: 0208SS-H INSTALLATION METHOD: HORIZONTAL STACKED BOND TILE SIZE: 2.5' X 6' INSTALL PER MANUFACTURER'S RECOMMENDATIONS	5% OF INSTALLED AMOUNT
FRP-1	STANDARD FIBERGLASS REINFORCED PLASTIC PANELS	JANITOR #105	MARLITE	COLLECTION: PEBBLED FRP COLOR: #P100 WHITE	
FRP-2	DECORATIVE FIBERGLASS REINFORCED PLASTIC PANELS	LAUNDRY #114	MARLITE	COLLECTION: SYMMETRIX PATTERN: SUBWAY HORIZONTAL 6" X 3" TILE CONFIGURATION COLOR: LINES SS916 WHITE WITH BLACK GROUT	
BASE					
RB-1	RESILIENT BASE	SEE PLANS AND SCHEDULE	ROPPE	STYLE: PINNACLE STANDARD TOE COLOR: #193 BLACK BROWN 4" HIGH X COIL INSTALL IN ROLLS, NOT 6'-0" PIECES MITER INSIDE AND OUTSIDE CORNERS; NO PRE-FAB PIECES	5% OVERAGE OR 20 LINEAL FEET MINIMUM; 1 BOX OF CORNERS
CT-1	CERAMIC TILE BASE	SEE PLANS AND SCHEDULES	MARAZZI TILE	STYLE: COSTA CLARA COLOR: PEBBLE SHORE CC83 FINISH: GLOSSY INSTALLATION METHOD: VERTICAL STACKED BOND TILE SIZE: 3" X 12" GROUT: BOSTIK H160 DELOREAN GRAY; 3/16" GROUT WIDTH PROVIDE SCHLUTER DILEX-AHK AT FLOOR/WALL INTERSECTION	
TRANSITION STRIP - NOTE: FLOOR FINISH CHANGE					
CEILING					
ACT-1	ACOUSTICAL CEILING GRID AND TILE	SEE RCP AND SCHEDULE	ARMSTRONG	STYLE: 1911 ULTIMA BEVELED TEGULAR SIZE: 24" X 24" X 3/4" GRID: 3/8" PRELUDE EXPOSED TEE COLOR: WHITE ALUMINUM (WA)	3% OF INSTALLED AMOUNT
GYP-1	PAINTED GYP BOARD	SEE RCP AND SCHEDULE		PAINTED GYP BOARD: PAINT CEILING WHITE	
MISCELLANEOUS					
PLAM-1	PLASTIC LAMINATE	SEE PLANS AND ELEVATIONS	WILSONART	PATTERN: PHANTOM COCOA #8213K-28 FINISH: GLOSS LINE FINISH AEON SCRATCH RESISTANCE	
PLAM-2	PLASTIC LAMINATE	DESK WORKSURFACES	WILSONART	PATTERN: SLATE GREY #D91-60 FINISH: MATTE FINISH	
PLAM-3	PLASTIC LAMINATE	KITCHEN CABINET FRONTS/FACES	WILSONART	PATTERN: FLORENCE WALNUT #7993-38 FINISH: FINE VELVET FINISH	
SS-1	QUARTZ	LAUNDRY & BATHROOM COUNTERTOPS	CORIAN	PATTERN: SNOWDRIFT THICKNESS: 3CM	
SS-2	QUARTZ	KITCHEN COUNTERTOPS	CORIAN	PATTERN: ETHEREAL WHITE THICKNESS: 3CM	
SS-3	QUARTZ	KITCHEN ISLAND	CORIAN	PATTERN: DOVE GREY THICKNESS: 3CM	
SS-4	SOLID SURFACE	INTERIOR WINDOW SILLS	WILSONART	PATTERN: FROSTY WHITE #1573SL THICKNESS: 2CM	
TS-1	TRANSITION STRIP	PORCELAIN TILE TO LVT	SCHLUTER	STYLE: SCHIENE COLOR: ALUMINUM	
TS-2	TRANSITION STRIP	LVT TO CONCRETE	EQUAL TO ROPPE	STYLE: 174 COLOR: #193 BLACK BROWN DUAL LAYER ROLLER SHADES INSIDE MOUNT	
RS-1	MANUAL ROLLER SHADES	DORM ROOMS D-1, D-2, D-3, D-4, D-5, D-6, D-7 & D-8	DRAPER, INC	BASE LAYER: SHEERWEAVE STYLE SW7500 - COLOR: 7500 R13 ICE OUTSIDE LAYER: SHEERWEAVE STYLE SW2600 10% OPEN COLOR: V20 PEARL GRAY PROVIDE "U" CHANNEL FOR LIGHT GAP REDUCTION	
RS-2	MANUAL ROLLER SHADES	ROOMS 105, 107, 109	DRAPER, INC	SINGLE LAYER ROLLER SHADES INSIDE MOUNT OUTSIDE LAYER: SHEERWEAVE STYLE SW2600 10% OPEN COLOR: PEARL GRAY	
CG	CORNER GUARDS	SEE FINISH PLAN "CG"	C/S ACROVYN	SSM SERIES: 5'-0" TALL MOUNT BOTTOM 6" AFF COLOR: TO BE DETERMINED FROM MANUFACTURER'S FULL RANGE OF COLORS	

2 FINISH LEGEND
A4.10 NOT TO SCALE

Revisions

No.	Date	Description
2	02.12.25	Addendum 2



100% CDS

IRONDALE FIRE STATION #3

2101 JOHN ROGERS DR
BIRMINGHAM, AL 35210
CITY OF IRONDALE

CHARLES WILLIAMS
& ASSOCIATES
ARCHITECTS

CWA
3601 8TH AVE. SOUTH
BIRMINGHAM, ALABAMA 35222

SHEET TITLE:
FINISH SCHEDULE AND LEGEND

PROJECT NUMBER:
CWA No. 2023-01

DATE:
08/30/24

DRAWN BY: **JHH** CHECKED BY: **RM**

SHEET NUMBER

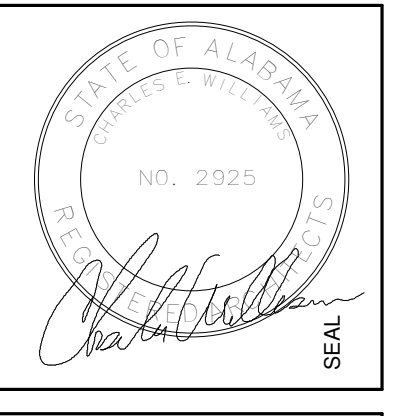
A4.10

FINISH SCHEDULE

ROOM NO.	ROOM NAME	FLOOR	BASE	WALLS				COMMENTS
				NORTH	SOUTH	EAST	WEST	
100	ENTRY LOBBY	LVT-1/INSERT	RB-1	PNT-1	PNT-1	PNT-1	PNT-1	
101	TLT	PFT-1	CT-1	CT-1/2 - PNT-1	PNT-1	CT-1/2 - PNT-1	CT-1/2 - PNT-1	
102	EMS	LVT-1	RB-1	PNT-2	PNT-1	PNT-1	PNT-1	
103	EMS STORAGE	LVT-1	RB-1	PNT-1	PNT-1	PNT-1	PNT-1	
105	WATCH	LVT-1	RB-1	PNT-1	PNT-1	PNT-2	PNT-1	
107	OFFICE	LVT-1	RB-1	PNT-1	PNT-1	PNT-1	PNT-2	
109	OFFICE	LVT-1	RB-1	PNT-1	PNT-1	PNT-2	PNT-1	
110	JAN	SC	RB-1	FRP-1	FRP-1	FRP-1	FRP-1	
112	RESTROOM	PFT-1	CT-1	CT-1/2	CT-1/2	CT-1/2	CT-1/2	
113	RESTROOM	PFT-1	CT-1	CT-1/2	CT-1/2	CT-1/2	CT-1/2	
114	LAUNDRY	PFT-1	RB-1	PNT-1	FRP-2	PNT-1/FRP-2	PNT-1	
115	RESTROOM	PFT-1	CT-1	CT-1/2	CT-1/2	CT-1/2	CT-1/2	
116	RESTROOM	PFT-1	CT-1	CT-1/2	CT-1/2	CT-1/2	CT-1/2	
120	EXERCISE	RT-1 & 2	RB-1	PNT-1	PNT-1	PNT-1	PNT-2	
122	DAY ROOM	LVT-1/2 & CPT-1	RB-1	PNT-1	PNT-1	PNT-1	PNT-2	
123	KITCHEN	LVT-1/2	RB-1	PNT-1	PNT-1	PNT-1	PNT-1	
139	MECH/ELEC	SC	RB-1	PNT-1	PNT-1	PNT-1	PNT-1	
140	APPARATUS BAYS	SC	RB-1	PNT-1/4	PNT-1/4	PNT-1/4	PNT-1/4	
141	AUX ROOM	CPT-3	RB-1	PNT-1	PNT-1	PNT-1	PNT-1	
142	TLT	SC	RB-1	PNT-1	FRP-1	FRP-1	PNT-1	
143	JAN	SC	RB-1	PNT-1	FRP-1	PNT-1	FRP-1	
144	GEAR WASH	SC	RB-1	PNT-1	PNT-1	FRP-1	PNT-1	
145	STORAGE	SC	RB-1	PNT-1	PNT-1	PNT-1	PNT-1	
146	STORAGE	SC	RB-1	PNT-1	PNT-1	PNT-1	PNT-1	
147	BUNKER GEAR	SC	RB-1	PNT-1	PNT-1	PNT-1	PNT-1	
148	DECON	SC	RB-1	FRP-1	FRP-1	PNT-1	FRP-1	
149	IT	VCT-1	RB-1	PNT-1	PNT-1	PNT-1	PNT-1	
D1	DORM 1	LVT-3	RB-1	PNT-1	PNT-2	PNT-1	PNT-1	
D2	DORM 2	LVT-3	RB-1	PNT-2	PNT-1	PNT-1	PNT-1	
D3	DORM 3	LVT-3	RB-1	PNT-1	PNT-2	PNT-1	PNT-1	
D4	DORM 4	LVT-3	RB-1	PNT-2	PNT-1	PNT-1	PNT-1	
D5	DORM 5	LVT-3	RB-1	PNT-2	PNT-1	PNT-1	PNT-1	
D6	DORM 6	LVT-3	RB-1	PNT-1	PNT-2	PNT-1	PNT-1	
D7	DORM 7	LVT-3	RB-1	PNT-1	PNT-2	PNT-1	PNT-1	
D8	DORM 8	LVT-3	RB-1	PNT-1	PNT-1	PNT-2	PNT-1	
C1-1	CORRIDOR	LVT-1/2	RB-1	PNT-1	PNT-1	PNT-1	PNT-1	
C1-2	CORRIDOR	LVT-1/2	RB-1	PNT-1	PNT-1	PNT-1	PNT-1	
C1-3	CORRIDOR	CPT-2	RB-1	PNT-1	PNT-1	PNT-1	PNT-1	
C1-4	CORRIDOR	LVT-1/2	RB-1	PNT-1	PNT-1	PNT-1	PNT-1	

1 FINISH SCHEDULE
A4.10 NOT TO SCALE

Revisions		
No.	Date	Description



100% CDS

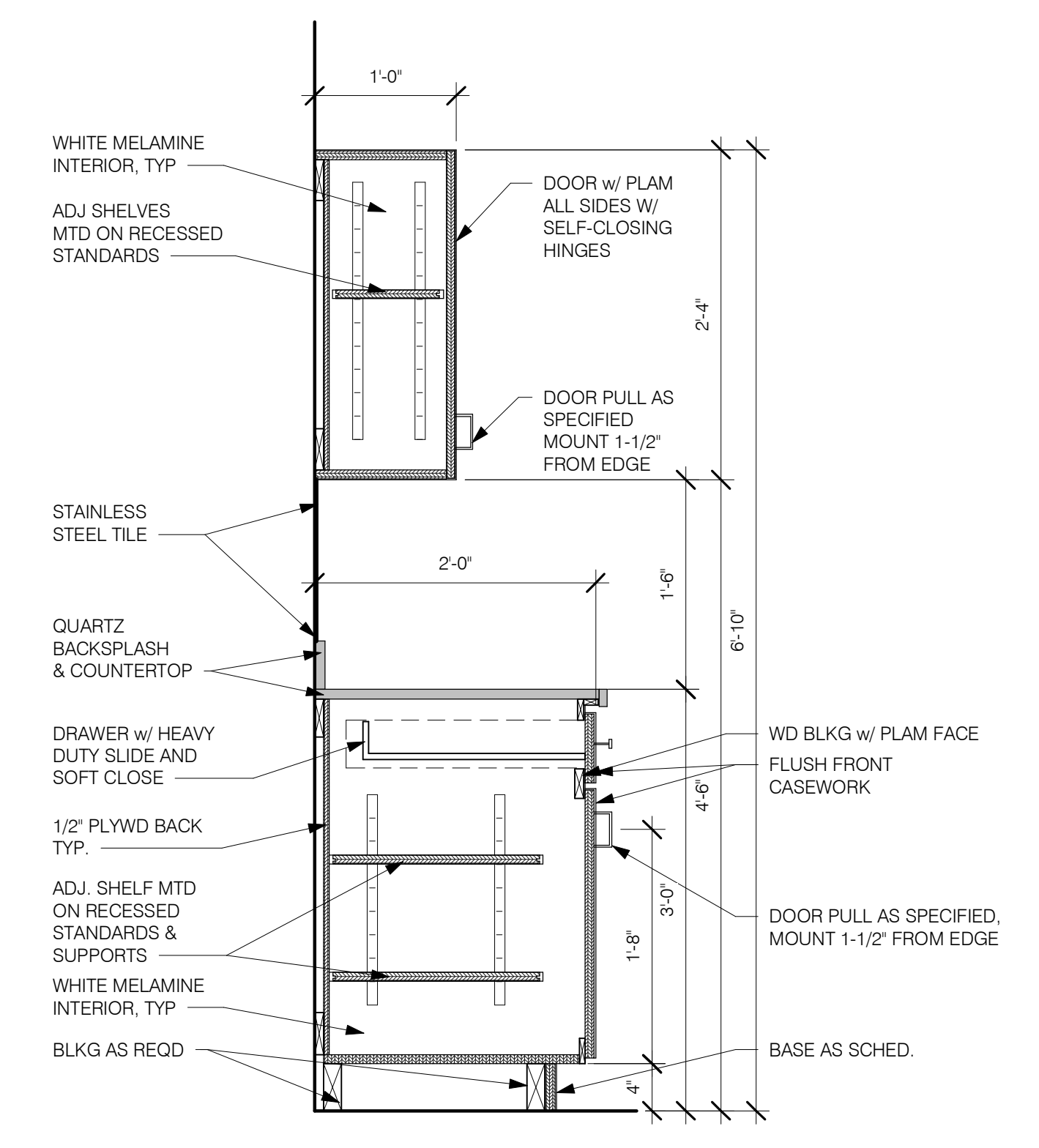
IRONDALE FIRE STATION #3

2101 JOHN ROGERS DR
BIRMINGHAM, AL 35210
CITY OF IRONDALE

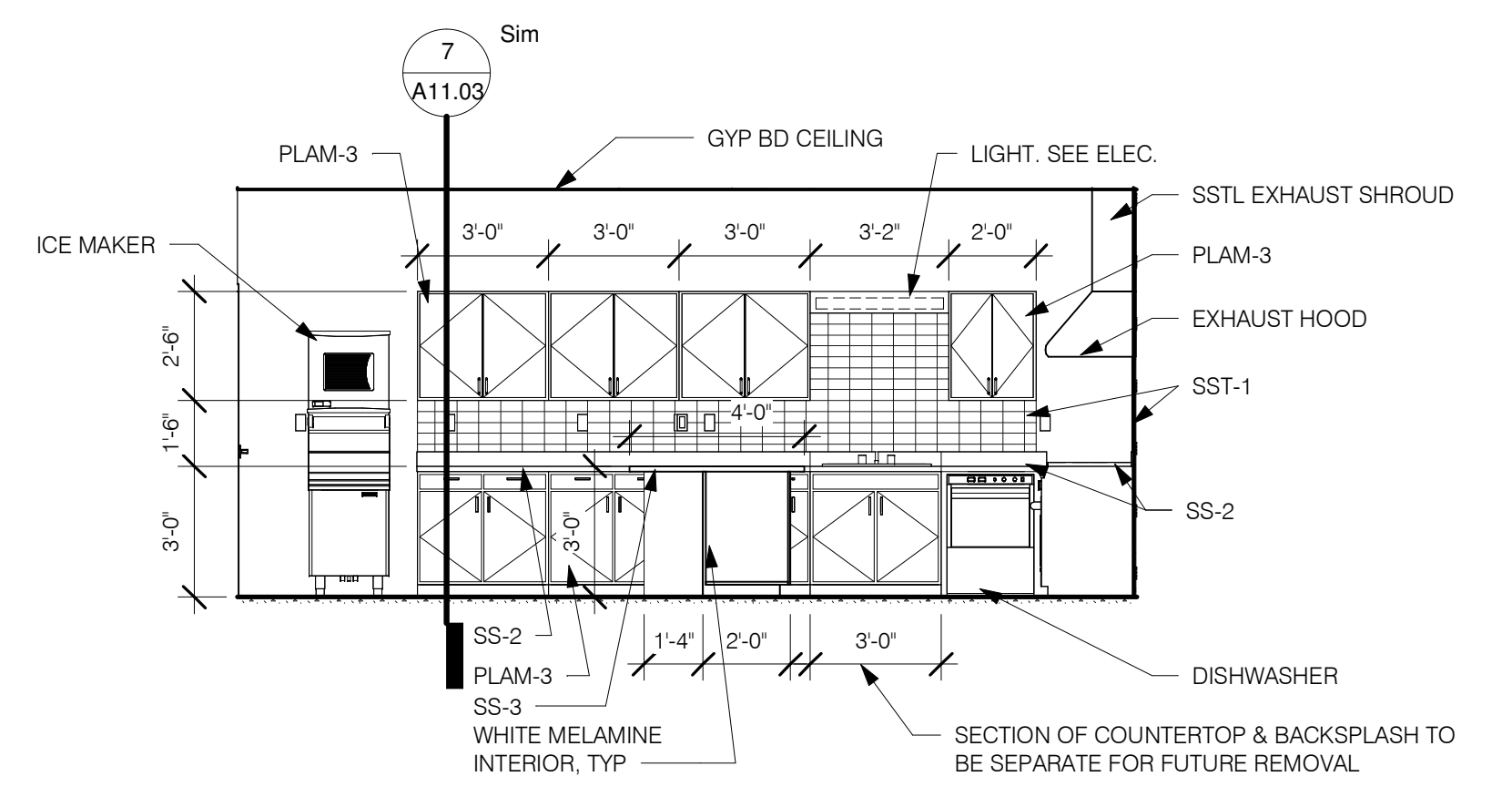
CHARLES WILLIAMS & ASSOCIATES ARCHITECTS
PH: 205-250-0700
3601 8TH AVE. SOUTH BIRMINGHAM, ALABAMA 35222
FAX: 205-250-0515

SHEET TITLE:
INTERIOR ELEVATIONS
PROJECT NUMBER:
CWA No. 2023-01
DATE:
08/30/24
DRAWN BY: **Author** CHECKED BY: **Checker**

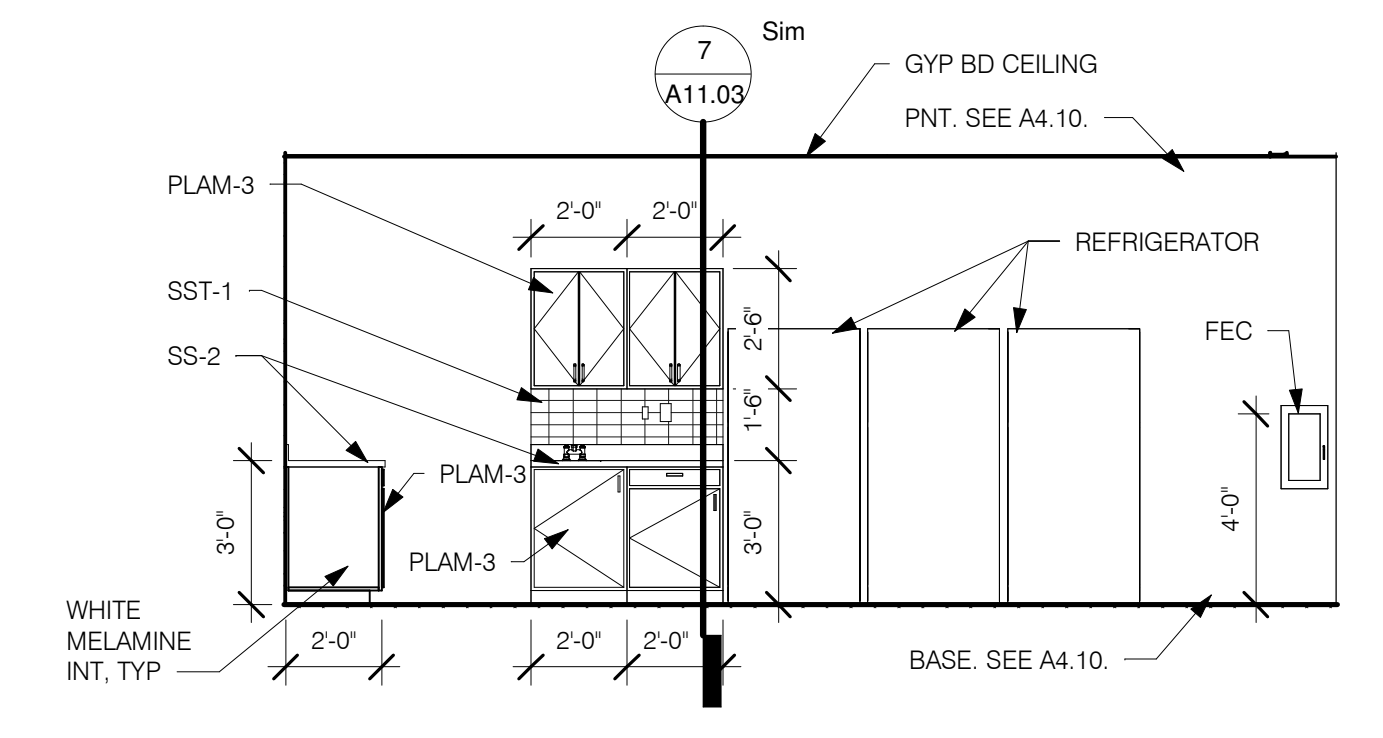
SHEET NUMBER
A11.03



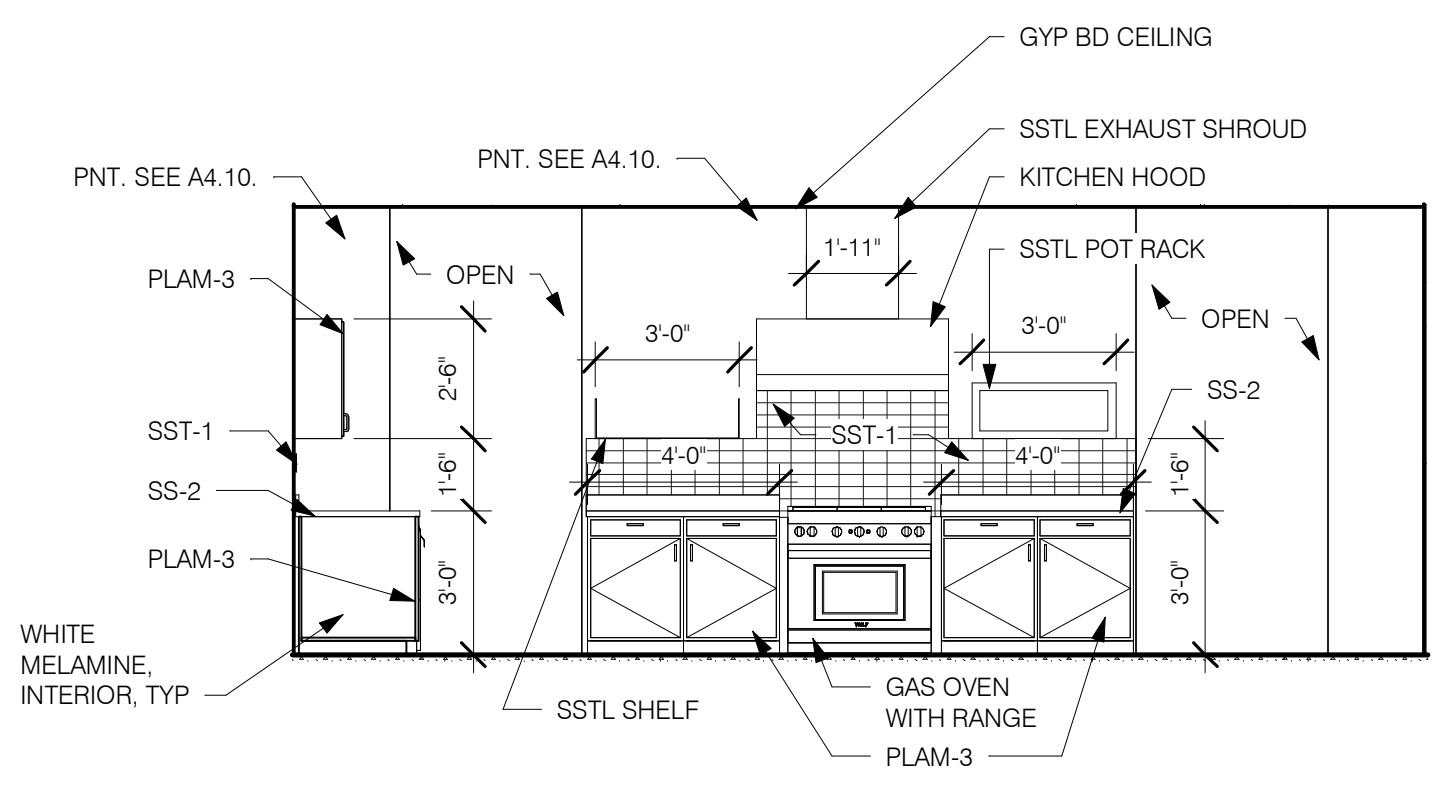
7 KITCHEN CABINET TYPICAL SECTION
A11.03 1" = 1'-0"



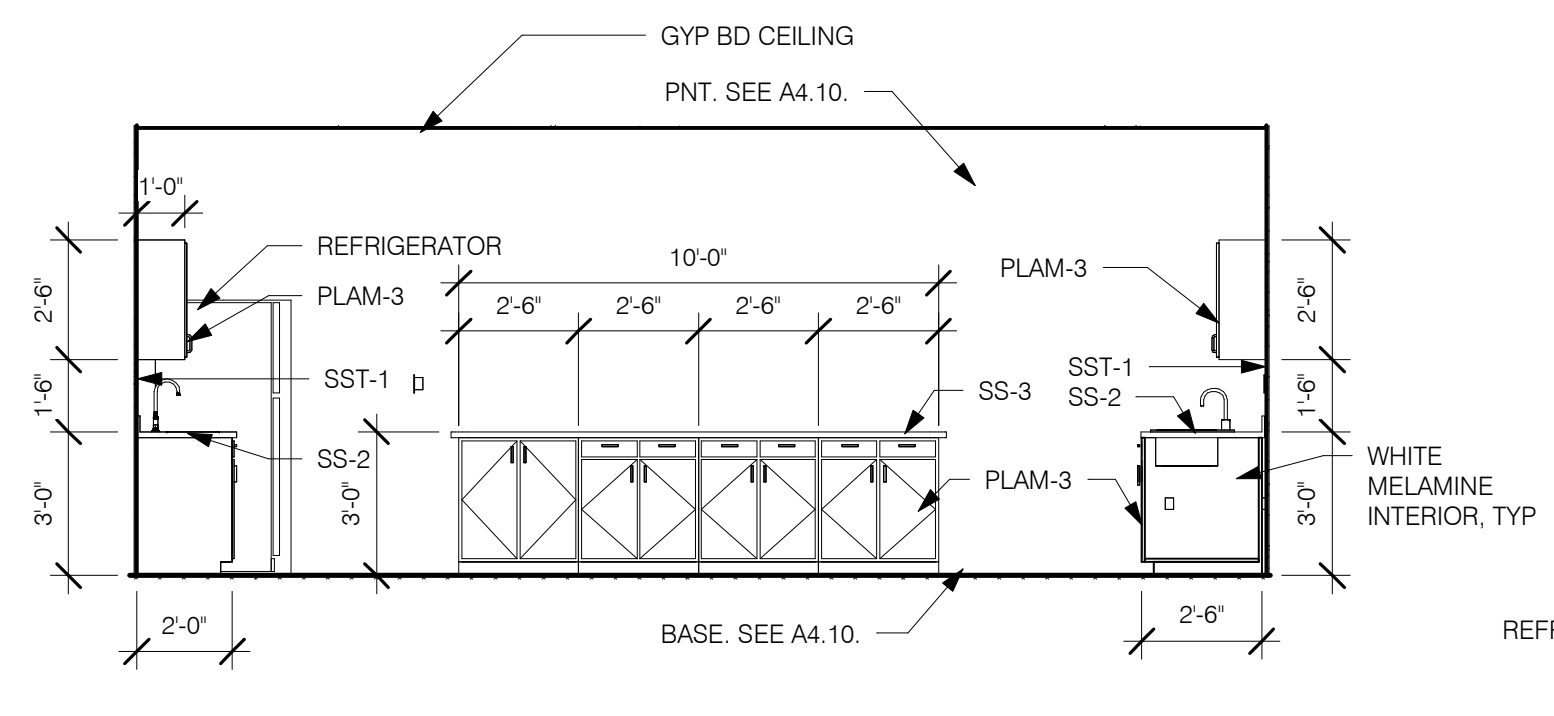
6 KITCHEN W
A11.03 1/4" = 1'-0"



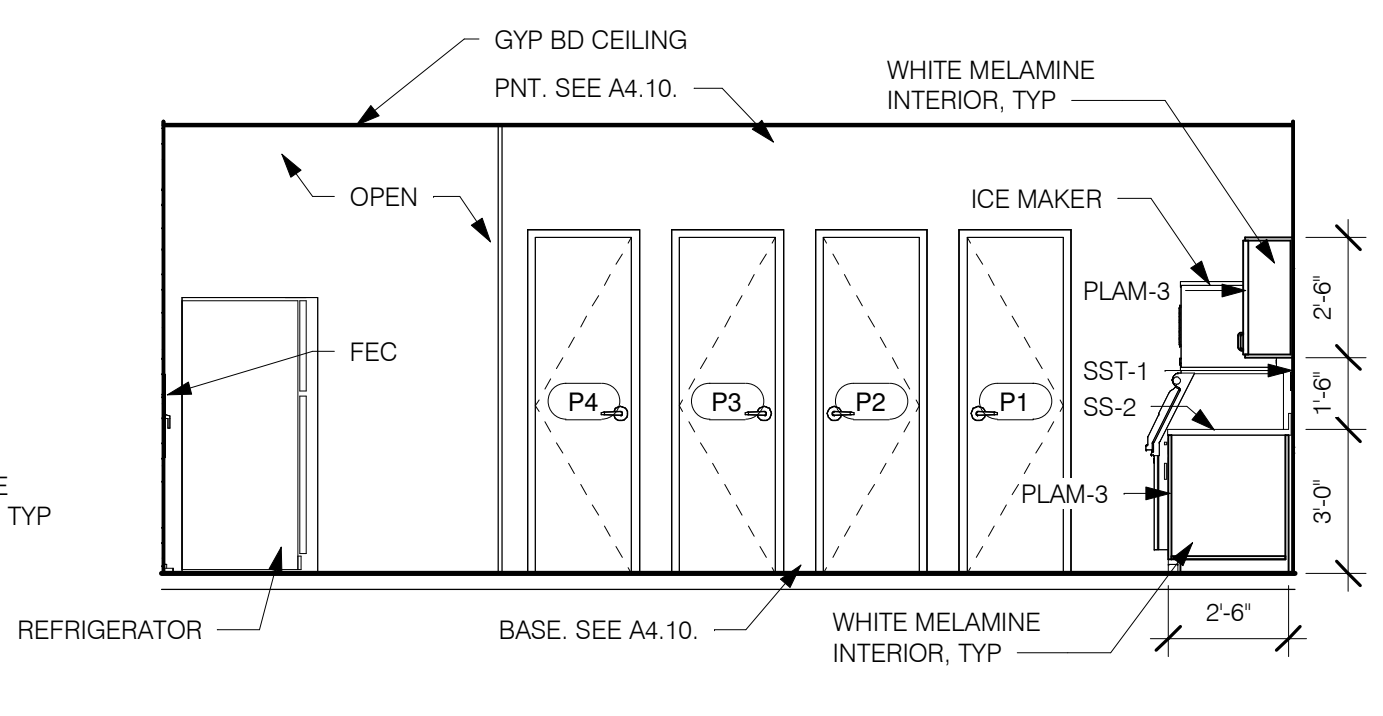
5 KITCHEN E
A11.03 1/4" = 1'-0"



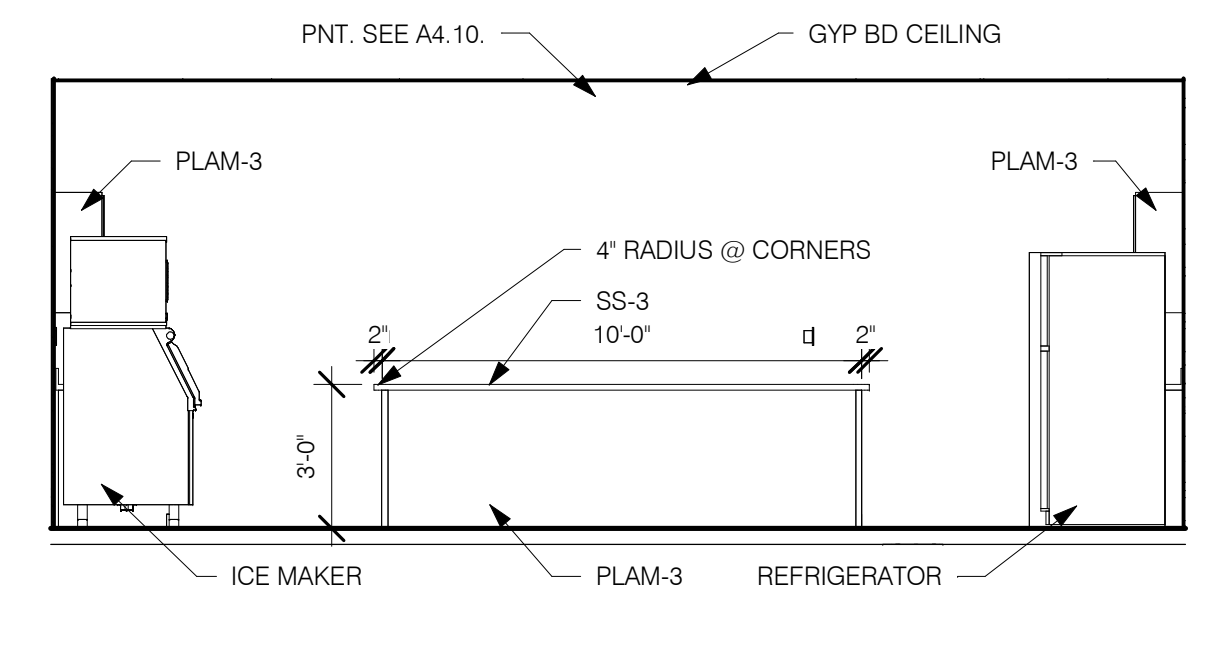
4 KITCHEN N 2
A11.03 1/4" = 1'-0"



3 KITCHEN S 2
A11.03 1/4" = 1'-0"



2 KITCHEN S
A11.03 1/4" = 1'-0"



1 KITCHEN N
A11.03 1/4" = 1'-0"

CONSULTING CONSTRUCTION ENGINEERING, LLC
 1028 23rd Street South
 Birmingham, Alabama 35205
 Phone: (205) 352-2500 Web: www.cce-eng.com
 CCE No. _____ Date: Feb 12, 2025
 File: EG-01.dwg Time: 5:12:22 pm

Revisions		
No.	Date	Description
1	02.12.25	Addendum #2



100% CD'S

IRONDALE FIRE STATION #3
 INT. OF JOHN ROGERS DRIVE & ALTON ROAD
 Birmingham, Alabama
 CITY OF IRONDALE

CHARLES WILLIAMS & ASSOCIATES ARCHITECTS
CWA
 3601 8TH AVE. SOUTH BIRMINGHAM, ALABAMA 35222
 PH: 205-250-0700 FAX: 205-250-0515

SHEET TITLE: Electrical Legend	
PROJECT NUMBER: CWA No. 2023-01	
DATE: 08/30/24	
DRAWN BY: JLB	CHECKED BY: JLB

SHEET NUMBER
E001

LIGHTING	
	RECESSED OR SURFACE MOUNTED LIGHT FIXTURE
	RECESSED OR SURFACE MOUNTED LIGHT FIXTURE CONNECTED TO EMERGENCY POWER SOURCE OR WITH BATTERY BACK-UP
	SUSPENDED OR SURFACE MOUNTED LIGHT FIXTURE
	SUSPENDED OR SURFACE MOUNTED LIGHT FIXTURE CONNECTED TO EMERGENCY POWER SOURCE OR WITH BATTERY BACK-UP
	RECESSED OR SURFACE MOUNTED LIGHT FIXTURE
	RECESSED OR SURFACE MOUNTED LIGHT FIXTURE CONNECTED TO EMERGENCY POWER SOURCE OR WITH BATTERY BACK-UP
	WALL MOUNTED LIGHT FIXTURE
	WALL MOUNTED LIGHT FIXTURE CONNECTED TO EMERGENCY POWER SOURCE OR WITH BATTERY BACK-UP
	WALL MOUNTED LIGHT FIXTURE
	WALL MOUNTED LIGHT FIXTURE CONNECTED TO EMERGENCY POWER SOURCE OR WITH BATTERY BACK-UP
	CEILING FAN. SUPPORT WITH OUTLET BOX RATED 50LB MINIMUM.
	WALL MOUNTED SINGLE FACE EXIT SIGN WITH DIRECTIONAL CHEVRONS AS INDICATED BY ARROWS
	WALL MOUNTED DOUBLE FACE EXIT SIGN WITH DIRECTIONAL ARROWS AS INDICATED OR REQUIRED
	CEILING MOUNTED SINGLE FACE EXIT SIGN WITH DIRECTIONAL ARROWS AS INDICATED OR REQUIRED
	CEILING MOUNTED DOUBLE FACE EXIT SIGN WITH DIRECTIONAL ARROWS AS INDICATED OR REQUIRED
	COMBINATION CEILING MOUNTED SINGLE FACE EXIT SIGN WITH EMERGENCY LIGHTS AND DIRECTIONAL ARROWS AS INDICATED OR REQUIRED
	WALL MOUNTED UNITARY EMERGENCY LIGHT
	POLE MOUNTED SITE LIGHTING FIXTURE (2 HEAD SHOWN) - 1, 2, 3, OR 4 HEAD AS SHOWN ON PLANS.

SWITCHES AND LIGHTING CONTROL	
S	SINGLE POLE, SWITCH, A.C. TYPE, 20A, 125/277V.
S ₃	THREE-WAY, SWITCH, A.C. TYPE, 20A, 125/277V.
S ₄	FOUR-WAY, SWITCH, A.C. TYPE, 20A, 125/277V.
S _D	DIMMER SWITCH, A.C. TYPE, SINGLE POLE, 20A, 125/277V. PRESET SLIDE BAR WITH ON-OFF TOGGLE SWITCH.
S _P	SWITCH WITH PILOT LIGHT, A.C. TYPE, SINGLE POLE, 20A, 125/277V.
S _T	TIMER SWITCH, SINGLE POLE, A.C. TYPE, 20A, 125/277V.
S _{R/S/L}	RAISE-STOP-LOWER SWITCH.
S _{OS}	SINGLE POLE WALL BOX OCCUPANCY SENSOR SWITCH
S _{OS3}	THREE-WAY WALL BOX OCCUPANCY SENSOR SWITCH, 120/277VAC. SWITCH REQUIRES A NEUTRAL FOR PROPER OPERATION.
S _a	LOW VOLTAGE ON-OFF SWITCH. CONTROLS FIXTURES ON SWITCH 'a'. SEE WIRING DIAGRAMS.
S _b	LOW VOLTAGE ON-OFF SWITCH. CONTROLS FIXTURES ON SWITCH 'b'. SEE WIRING DIAGRAMS.
S _{Lv}	LOW VOLTAGE ON-OFF SWITCH. SEE WIRING DIAGRAMS.
S _{Lvd}	LOW VOLTAGE ON-RAISE-LOWER-OFF DIMMER SWITCH. SEE WIRING DIAGRAMS.
PP	OCCUPANCY SENSOR LIGHTING CONTROL POWER SUPPLY RELAY MOUNTED ABOVE ACCESSIBLE CEILING.
OS	CEILING MOUNTED OCCUPANCY SENSOR CONTROL. 'A' = 1000 SQ FT CONTROL 'B' = 2000 SQ FT CONTROL 'C' = CEILING CORNER MOUNT
RC	ROOM CONTROLLER LOCATED ABOVE ACCESSIBLE CEILING. PROVIDE A BLUE DOT STICKER ON THE CEILING GRID TO IDENTIFY EACH LOCATION. NOTE: LIGHT SWITCHES ARE TO BE INSTALLED ON STRIKE SIDE OF DOOR UNLESS SPECIFICALLY NOTED OTHERWISE. VERIFY ALL DOOR SWINGS WITH ARCHITECTURAL DRAWINGS PRIOR TO ROUGHING-IN.

MISCELLANEOUS	
	JUNCTION BOX, CEILING MOUNTED.
	JUNCTION BOX, WALL MOUNTED.
	RISER - UP
	RISER - DOWN

POWER DISTRIBUTION	
	RECEPTACLE PANEL - SURFACE MOUNTED.
	RECEPTACLE PANEL - FLUSH MOUNTED.
	LIGHTING PANEL - SURFACE MOUNTED.
	LIGHTING PANEL - FLUSH MOUNTED.
	DISTRIBUTION OR POWER PANEL - SURFACE MOUNTED.
	TRANSFORMER, FLOOR MOUNTED: PROVIDE CONCRETE PAD AND FLOOR VIBRATION ISOLATORS. CEILING MOUNTED: PROVIDE CEILING HUNG VIBRATION DAMPERS.
	NON-FUSED DISCONNECT SWITCH.
	MOTOR RATED SWITCH WITH THERMAL OVERLOAD UNITS.
	EMERGENCY POWER OFF (EPO) PUSHBUTTON.
	GENERATOR.
	AUTOMATIC TRANSFER SWITCH
	RELAY - ELECTRICALLY HELD - CONTINUOUS DUTY
	RELAY - MECHANICALLY HELD - CONTINUOUS DUTY
	MOTOR - SEE PLANS FOR REQUIREMENTS.

RECEPTACLES	
	DUPLEX RECEPTACLE, 20A, 125V., 3 WIRE, GROUNDING TYPE.
	RECEPTACLE, 20A, 125V., 3 WIRE, GROUNDING TYPE. WITH ONE OUTLET AND INTEGRAL NIGHT LIGHT.
	DUPLEX RECEPTACLE, 20A, 125V., 3 WIRE, GROUNDING TYPE. WITH 2 USB PORTS
	DUPLEX RECEPTACLE, MOUNTED ABOVE COUNTER, 20A, 125V., 3 WIRE, GROUNDING TYPE, WITH 2 USB PORTS. ('H' = HORIZONTAL MOUNTED)
	DUPLEX RECEPTACLE, MOUNTED ABOVE COUNTER, 20A, 125V., 3 WIRE, GROUNDING TYPE ('H' = HORIZONTAL MOUNTED)
	DOUBLE DUPLEX RECEPTACLE, 20A, 125V., 3 WIRE, GROUNDING TYPE.
	DOUBLE DUPLEX RECEPTACLE, MOUNTED ABOVE COUNTER, 20A, 125V., 3 WIRE, GROUNDING TYPE.
	DUPLEX RECEPTACLE WITH GROUND FAULT INTERRUPTER, 20A, 125V., 3 WIRE, GROUNDING TYPE.
	DUPLEX RECEPTACLE WITH GROUND FAULT INTERRUPTER AND WEATHERPROOF COVER, 20A, 125V., 3 WIRE, GROUNDING TYPE.
	DUPLEX RECEPTACLE, WITH GROUND FAULT INTERRUPTER, MOUNTED ABOVE COUNTER, 20A, 125V., 3 WIRE, GROUNDING TYPE. ('H' = HORIZONTAL MOUNTED)
	DOUBLE DUPLEX RECEPTACLE WITH GROUND FAULT CIRCUIT INTERRUPTER, 20A, 125V., 3 WIRE, GROUNDING TYPE.
	DOUBLE DUPLEX RECEPTACLE, WITH GROUND FAULT CIRCUIT INTERRUPTER, MOUNTED ABOVE COUNTER, 20A, 125V., 3 WIRE, GROUNDING TYPE.
	SINGLE RECEPTACLE, 20A, 125V., 3 WIRE, GROUNDING TYPE.
	SPECIAL PURPOSE RECEPTACLE. CHARACTERISTICS AS INDICATED OR REQUIRED BY EQUIPMENT SERVED.
	RANGE RECEPTACLE, 250V., 3 OR 4 WIRE, GROUNDING TYPE. NEMA CONFIGURATION TO MATCH APPLIANCE CORD AND PLUG.

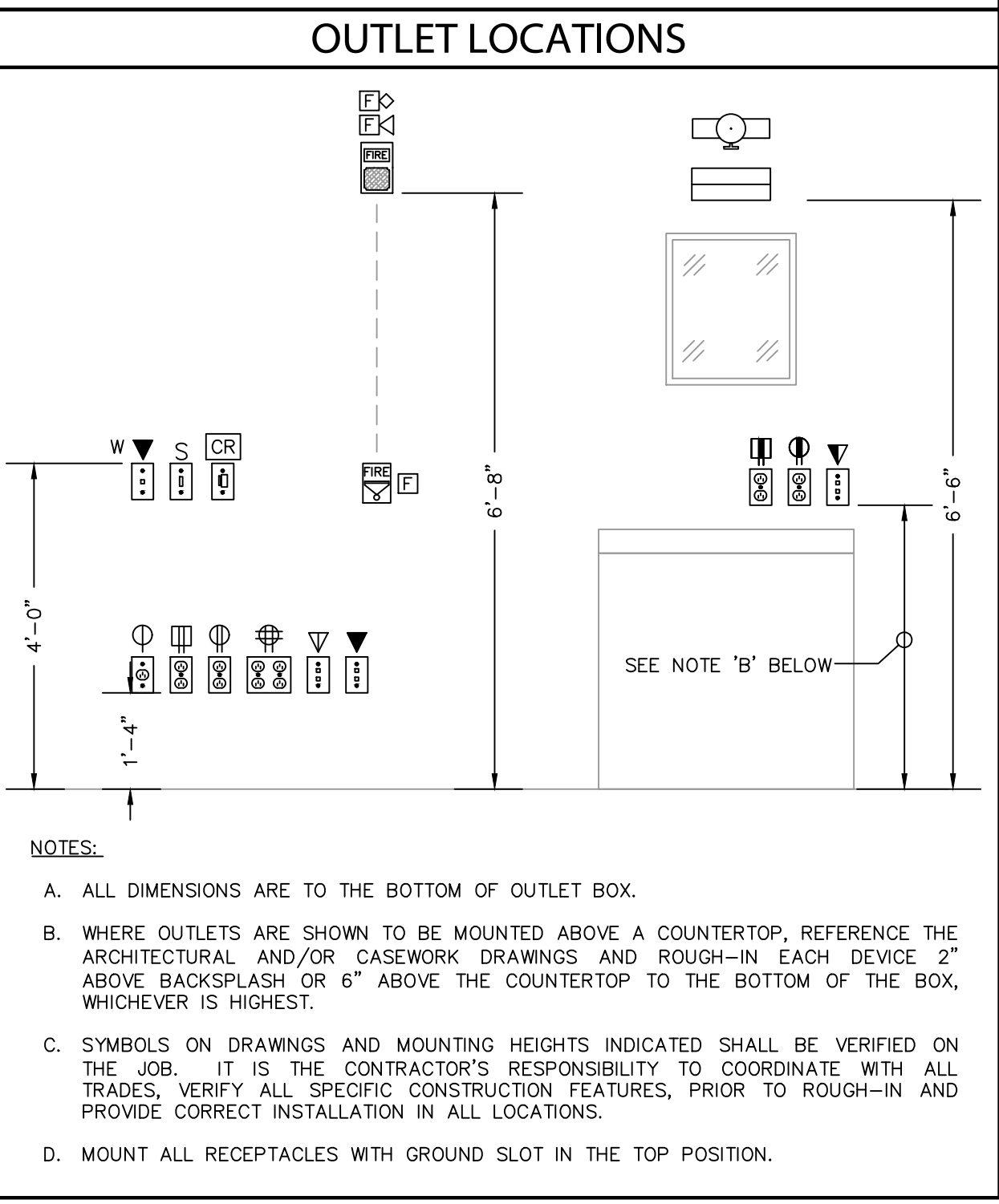
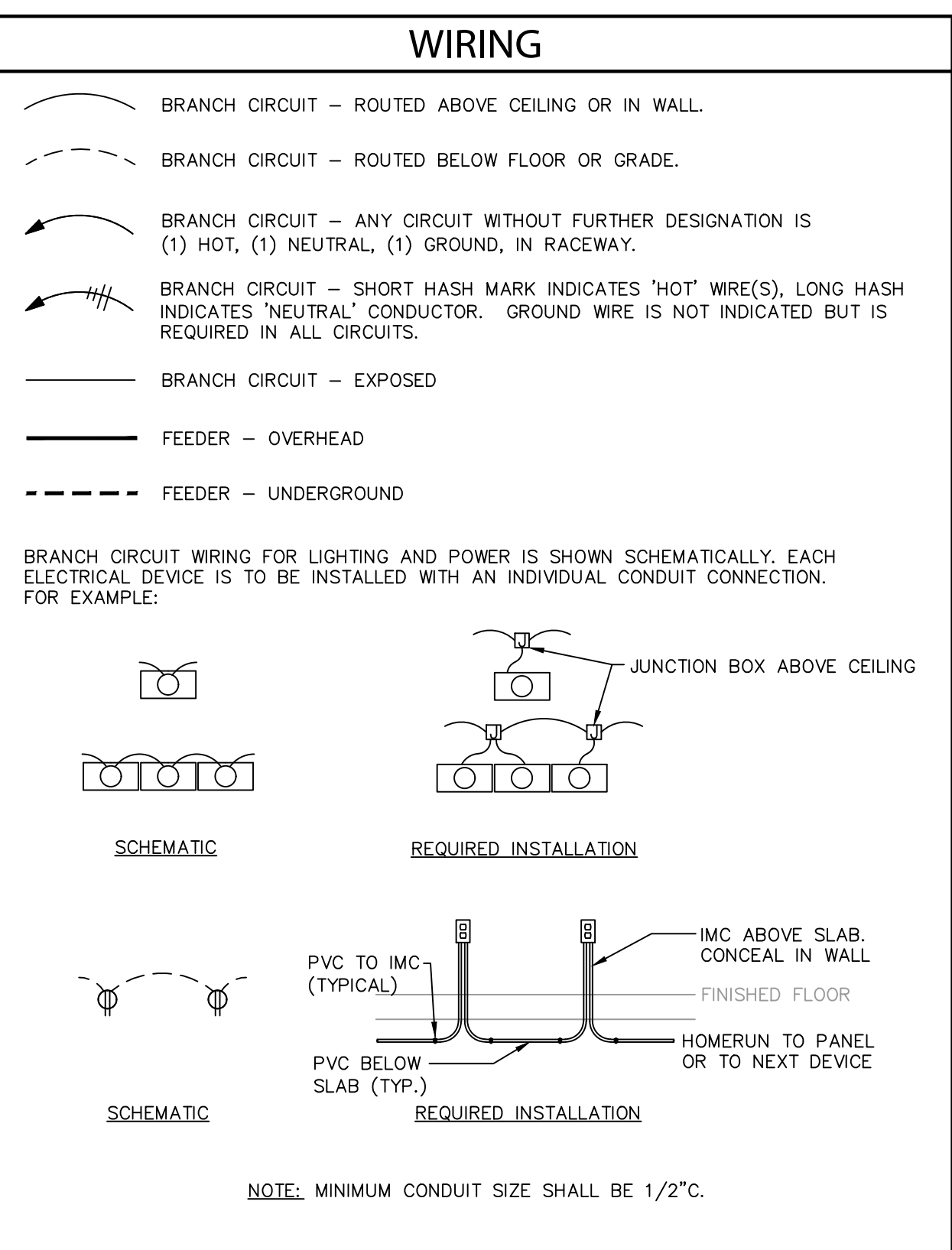
FLOOR BOXES AND POKE-THRU	
	FLOOR OUTLET - DUPLEX RECEPTACLE, 20A, 125V., 3 WIRE (GROUNDING TYPE), WIREMOLD #880 SERIES WITH BRASS COVER AND GASKET. UL SCRUB-WATER LISTED.
	FLOOR OUTLET WITH POWER CONNECTION TO PRE-WIRED FURNITURE. WIREMOLD #880 SERIES WITH BRASS COVER AND GASKET. UL SCRUB-WATER LISTED.
	FLOOR OUTLET WITH AUXILIARY CONNECTIONS TO PRE-WIRED FURNITURE. WIREMOLD #880 SERIES WITH BRASS COVER AND GASKET. UL SCRUB-WATER LISTED.
	FLOOR OUTLET - WIREMOLD #RFB8-0G SERIES WITH DOUBLE DUPLEX RECEPTACLE, 20A, 125V., 3 WIRE AND PROVISIONS FOR VOICE/DATA JACKS. UL SCRUB-WATER LISTED.

ABBREVIATIONS			
3R	NEMA 3R ENCLOSURE	EX	EXISTING TO REMAIN
RT	RAINTIGHT ENCLOSURE	XR	EXISTING TO BE REMOVED
WP	WEATHERPROOF	XRR	EXISTING TO BE REMOVED AND RELOCATED
UON	UNLESS OTHERWISE NOTED	XRL	EXISTING RELOCATED
EM	EMERGENCY	XRP	EXISTING TO BE REMOVED AND REPLACED WITH NEW
NL	NIGHT LIGHT	XRT	EXISTING TO BE RETROFITTED
AFF	ABOVE FINISHED FLOOR		
AFG	ABOVE FINISHED GRADE		
WG	WIRE GUARD		
NIC	NOT IN CONTRACT		
PIR	PASSIVE INFRARED		
IR	INFRARED		
DT	DUAL TECHNOLOGY		
EP	EXPLOSION PROOF		
EPO	EMERGENCY POWER OFF		

AUXILIARY	
	VOICE/DATA OUTLET ROUGH-IN AT STANDARD OUTLET HEIGHT: DOUBLE GANG OUTLET BOX WITH SINGLE GANG MUD RING AND A 1" CONDUIT STUBBED UP TO ABOVE NEAREST ACCESSIBLE CEILING. TERMINATED WITH SMOOTH BUSHING. PROVIDE AUXILIARY CABLING AS CALLED FOR IN DRAWING AND SPECIFICATIONS.
	VOICE/DATA ROUGH-IN ABOVE STANDARD HEIGHT OR MOUNTED ABOVE COUNTER: DOUBLE GANG OUTLET BOX WITH SINGLE GANG MUD RING AND A 1" CONDUIT STUBBED UP TO ABOVE NEAREST ACCESSIBLE CEILING. TERMINATED WITH SMOOTH BUSHING. OUTLET HEIGHT AS INDICATED. PROVIDE AUXILIARY CABLING AS CALLED FOR IN DRAWING AND SPECIFICATIONS.
	CABLE TV ROUGH-IN - SINGLE GANG OUTLET BOX WITH SINGLE GANG MUD PLATE - PROVIDE 3/4" CONDUIT STUBBED UP TO ABOVE NEAREST ACCESSIBLE CEILING. TERMINATED WITH SMOOTH BUSHING. PROVIDE AUXILIARY CABLING AS CALLED FOR IN DRAWING AND SPECIFICATIONS.
	CABLE TV ROUGH-IN ABOVE STANDARD HEIGHT OR MOUNTED ABOVE COUNTER: SINGLE GANG OUTLET BOX WITH SINGLE GANG MUD RING AND A 3/4" CONDUIT STUBBED UP TO ABOVE NEAREST ACCESSIBLE CEILING. TERMINATED WITH SMOOTH BUSHING. OUTLET HEIGHT AS INDICATED. PROVIDE AUXILIARY CABLING AS CALLED FOR IN DRAWING AND SPECIFICATIONS.
	CEILING MOUNTED CAMERA - PROVIDE SINGLE GANG OUTLET BOX WITH SINGLE GANG MUD PLATE AND T-BAR SUPPORTS. PROVIDE GREEN CAT6 CABLE AS CALLED FOR ON PLANS.
	WALL MOUNTED CAMERA PROVIDE SINGLE GANG OUTLET BOX WITH SINGLE GANG MUD PLATE - PROVIDE 1" CONDUIT STUBBED TO ABOVE NEAREST ACCESSIBLE CEILING. TERMINATED WITH SMOOTH BUSHING. AND PROVIDE PULLWIRE. PROVIDE GREEN CAT6 CABLE AS CALLED FOR ON PLANS.
	CEILING MOUNTED SPEAKER - PROVIDE SINGLE GANG OUTLET BOX WITH SINGLE GANG MUD PLATE AND T-BAR SUPPORTS.
	WALL MOUNTED SPEAKER - PROVIDE SINGLE GANG OUTLET BOX WITH SINGLE GANG MUD PLATE - PROVIDE 1" CONDUIT STUBBED TO ABOVE NEAREST ACCESSIBLE CEILING. TERMINATED WITH SMOOTH BUSHING. AND PROVIDE PULLWIRE. VERIFY MOUNTING HEIGHT PRIOR TO ROUGH-IN.
	WALL MOUNTED T-STAT ROUGH-IN - COORDINATE LOCATION, MOUNTING HEIGHT, AND ORIENTATION WITH THE MECHANICAL CONTRACTOR. PROVIDE 3/4" CONDUIT STUBBED UP TO ABOVE NEAREST ACCESSIBLE CEILING. TERMINATED WITH SMOOTH BUSHING, AND PROVIDE PULLWIRE.
	LENGTH AS SHOWN ON PLANS x 8'-0" HIGH x 3/4" THICK PLYWOOD BACKBOARD PAINTED TWO COATS WITH FIRE RETARDANT PAINT. WALL MOUNTED 6" AFF TO BOTTOM. MOUNT BACKBOARD WITH LABEL LEGIBLE FROM ROOM SIDE.
	CABLE TRAY - WALL MOUNTED - WIDTH AND DEPTH AS SHOWN ON PLANS - CABLOFIL #CF105 300 OR APPROVED EQUAL - PROVIDE ALL MOUNTING HARDWARE, FITTINGS, ELBOWS, T SECTIONS, CROSS SECTIONS, AND ACCESSORIES REQUIRED.
	DOOR SECURITY - SEE DETAILS.
	SECURITY SYSTEM CONTROL PANEL. PROVIDED BY OTHERS.
	EMERGENCY CALL 911 CONTROL PANEL. PROVIDED BY OTHERS.
	WIRELESS ACCESS POINT (INCLUDED IN I.T. ALLOWANCE) INSTALLED AND WIRED BY THE E.C. - CEILING MOUNTED PROVIDE DOUBLE GANG OUTLET BOX WITH SINGLE GANG MUD PLATE - PROVIDE 1" CONDUIT STUBBED TO ABOVE NEAREST ACCESSIBLE CEILING. TERMINATED WITH SMOOTH BUSHING. AND PROVIDE PULLWIRE. PROVIDE CABLING AS DESCRIBED IN DRAWINGS, SPECIFICATIONS, AND/OR DETAILS.
	BELL - SEE DETAILS.
	BELL PUSH BUTTON - SEE DETAILS.

FIRE ALARM	
	FIRE ALARM CONTROL PANEL
	FIRE ALARM ANNUNCIATOR PANEL
	REMOTE FIRE ALARM NOTIFICATION APPLIANCE CONTROL PANEL
	ADDRESSABLE MANUAL PULL STATION
	FIRE ALARM STROBE ONLY DEVICE
	FIRE ALARM HORN/STROBE
	FIRE ALARM LOW FREQUENCY HORN/STROBE
	ADDRESSABLE HEAT DETECTOR
	ADDRESSABLE SMOKE DETECTOR
	COMBINATION ADDRESSABLE SMOKE AND CARBON MONOXIDE DETECTOR WITH LOW FREQUENCY BASE. DEVICE TO BE CEILING MOUNTED
	COMBINATION HEAT AND SMOKE DETECTOR
	ADDRESSABLE DUCT DETECTOR (SA=SUPPLY AIR - RA=RETURN AIR) WITH SAMPLING TUBE (LENGTH AS REQUIRED) AND CONTROL MODULE (ZAM) FOR AIR HANDLER SHUTDOWN.
	REMOTE TEST STATION (KEY OPERATED) FOR DUCT MOUNTED DETECTOR.
	FLOW SWITCH. DEVICE FURNISHED AND INSTALLED BY FIRE PROTECTION CONTRACTOR. ELECTRICAL CONTRACTOR TO PROVIDE MONITORING ZAM AND MAKE CONNECTIONS FOR FIRE ALARM SYSTEM.
	TAMPER SWITCH. DEVICE FURNISHED AND INSTALLED BY FIRE PROTECTION CONTRACTOR. ELECTRICAL CONTRACTOR TO PROVIDE MONITORING ZAM AND MAKE CONNECTIONS FOR FIRE ALARM SYSTEM.
	MAGNETIC DOOR HOLD OPEN DEVICE
	MONITORING ZAM
	CONTROL ZAM

WIRING	
	BRANCH CIRCUIT - ROUTED ABOVE CEILING OR IN WALL.
	BRANCH CIRCUIT - ROUTED BELOW FLOOR OR GRADE.
	BRANCH CIRCUIT - ANY CIRCUIT WITHOUT FURTHER DESIGNATION IS (1) HOT, (1) NEUTRAL, (1) GROUND, IN RACEWAY.
	BRANCH CIRCUIT - SHORT HASH MARK INDICATES 'HOT' WIRE(S), LONG HASH INDICATES 'NEUTRAL' CONDUCTOR. GROUND WIRE IS NOT INDICATED BUT IS REQUIRED IN ALL CIRCUITS.
	BRANCH CIRCUIT - EXPOSED
	FEEDER - OVERHEAD
	FEEDER - UNDERGROUND





Revisions		
No.	Date	Description
1	02.12.25	Addendum #2



LIGHTING FIXTURE SCHEDULE										
TYPE	DESCRIPTION	MOUNTING		MANUFACTURER	CATALOG NUMBER	L.E.D.			VOLTS	TOTAL WATTS
		TYPE	HEIGHT			LUMENS	COLOR	DRIVER QTY / TYPE		
X1	SINGLE FACE EDGE LIT L.E.D. EXIT SIGN WITH RED LETTERS AND DIRECTIONAL CHEVRONS AS SHOWN	UNIVERSAL	UNIVERSAL	DUAL LITE EXITRONX CHLORIDE LITHONIA	LES-**-S-**-N-E-I-M APPROVED EQUAL APPROVED EQUAL APPROVED EQUAL	FURNISHED WITH UNIT			120	5
X2	DOUBLE FACE EDGE LIT L.E.D. EXIT SIGN WITH RED LETTERS AND DIRECTIONAL CHEVRONS AS SHOWN	UNIVERSAL	UNIVERSAL	DUAL LITE EXITRONX CHLORIDE LITHONIA	LES-**-D-**-N-E-I-M APPROVED EQUAL APPROVED EQUAL APPROVED EQUAL	FURNISHED WITH UNIT			120	5
XD	WALL MOUNTED EXIT DISCHARGE LIGHT WITH INTEGRAL HEATER AND BATTERY	WALL	8'-0" AFF	LITHONIA EXITRONX CHLORIDE LITHONIA	AFB-OLE-DOBTKD-UV-OLT-LTP-SORT-WT-CW APPROVED EQUAL APPROVED EQUAL APPROVED EQUAL	FURNISHED WITH UNIT	NA	120	15	
PL3	SINGLE HEAD LED SITE LIGHTING FIXTURE WITH TYPE III DISTRIBUTION, MOUNTED ON A 30'-0" SQUARE STRAIGHT STEEL POLE. FINISH TO BE SELECTED BY ARCHITECT.	POLE	30'-0"	McGRAW-EDISON GARDCO	FIXTURE: GLEON-SA4C-740-SL3-**-FF POLE: SSS4A30SFM APPROVED EQUAL	24,564	4000K	1	208	225
PL4	SINGLE HEAD LED SITE LIGHTING FIXTURE WITH TYPE IV DISTRIBUTION MOUNTED ON A 30'-0" SQUARE STRAIGHT STEEL POLE. FINISH TO BE SELECTED BY ARCHITECT.	POLE	30'-0"	McGRAW-EDISON GARDCO	FIXTURE: GLEON-SA4C-740-T4FT-**-FF POLE: SSS4A30SFM APPROVED EQUAL	23,340	4000K	1	208	225
PW4	WALL MOUNTED L.E.D. FLOOD LIGHT WITH TYPE IV DISTRIBUTION AND INTEGRAL DRIVER. U.L. LISTED FOR WET LOCATION. COLOR TO BE SELECTED BY THE ARCHITECT	WALL	14'-0"	McGRAW-EDISON GARDCO	GWC-SA1A-740-U-SL4-**-F APPROVED EQUAL	4,729	4000K	1	120	40
FL1	STANCHION MOUNTED ADJUSTABLE L.E.D. FLOOD LIGHT WITH NARROW SPOT DISTRIBUTION. FIXTURE TO BE U.L. LISTED FOR WET LOCATION. COLOR TO BE SELECTED BY THE ARCHITECT.	GROUND	SEE DETAIL	LITHONIA HUBBELL EATON GARDCO	DSXF1-LED-P1-40K-NSP-MVOLT-**-THK APPROVED EQUAL APPROVED EQUAL APPROVED EQUAL	2,876	4000K	120	1	21
<p>GENERAL NOTES:</p> <p>A. MANUFACTURER CATALOG NUMBERS ARE SHOWN FOR GENERAL DESCRIPTIVE PURPOSES AND TO ESTABLISH A STANDARD OF QUALITY. MANUFACTURERS LISTED AS "EQUAL" DOES NOT ENSURE NOR GUARANTEE APPROVAL OF ANY PRODUCT BY THE LISTED MANUFACTURER. FOR APPROVAL, FIXTURES MUST PROVIDE EQUAL PERFORMANCE RELATIVE TO DELIVERY OF LIGHTING, ENERGY USE, AND BE OF SIMILAR DESIGN AND CONSTRUCTION. REQUESTS FOR PRIOR APPROVAL OF FIXTURES NOT LISTED IN THIS SCHEDULE MUST BE RECEIVED BY THE ENGINEER A MINIMUM OF 10 DAYS PRIOR TO BID (SEE SPECIFICATIONS) FOR REVIEW BY THE ARCHITECT/ENGINEER. MANUFACTURERS APPROVAL THROUGH THIS PROCESS WILL BE LISTED IN AN ADDENDUM PRIOR TO BID. FIXTURES NOT LISTED IN AN ADDENDUM ARE NOT APPROVED.</p> <p>B. CONTRACTOR SHALL PROVIDE LUMINAIRES COMPLETE WITH ALL OPTIONS AND ACCESSORIES REQUIRED FOR A COMPLETE INSTALLATION. ALL PRODUCTS SHALL BE U.L. LISTED.</p> <p>C. PROVIDE PROPER LAMP FOR REFLECTOR ASSEMBLY SPECIFIED AND AS RECOMMENDED BY LUMINAIRE MANUFACTURER.</p> <p>D. VERIFY CONSTRUCTION AND TYPE CEILINGS TO BE INSTALLED AND PROVIDE LUMINAIRES IN APPROPRIATE CONFIGURATION WITH ALL HARDWARE AND ACCESSORIES REQUIRED FOR A COMPLETE AND PROPER INSTALLATION.</p> <p>E. PROVIDE LUMINAIRES WITH JOINING PLATES, END CAPS, CANOPIES, MOUNTING HARDWARE, ETC., AS REQUIRED FOR COMPLETE INSTALLATION.</p> <p>F. EXIT LIGHTS SHALL BE PROVIDED WITH RED LETTERS REQUIRED BY LOCAL CODE AUTHORITY. FURNISH WITH CHEVRON DIRECTIONAL INDICATORS AS INDICATED AND/OR AS REQUIRED.</p> <p>G. PROVIDE DEVICES FOR SECURING LAY-IN TYPE LUMINAIRES TO CEILING GRID TO COMPLY WITH ARTICLE 410 OF THE NATIONAL ELECTRICAL CODE.</p> <p>H. FURNISH LINEAR LUMINAIRES IN CONTINUOUS ROWS OR PATTERNS AS INDICATED ON DRAWINGS. PROVIDE WITH CORNER, ANGLE, AND END PIECES AS REQUIRED FOR A COMPLETE FINISHED INSTALLATION.</p> <p>SCHEDULE NOTES:</p>										

LIGHTING FIXTURE SCHEDULE										
TYPE	DESCRIPTION	MOUNTING		MANUFACTURER	CATALOG NUMBER	L.E.D.			VOLTS	TOTAL WATTS
		TYPE	HEIGHT			LUMENS	COLOR	DRIVER QTY / TYPE		
CF1	8'-0" PENDANT MOUNTED CEILING FAN WITH 6 BLADES. COLOR TO BE SELECTED BY THE ARCHITECT. FURNISHED WITH WALL MOUNTED CONTROLLER	PENDANT	CEILING	BIG ASS FANS	FAN: MK-I61-08-18-06-**-100 WALL SWITCH: C-BTWC-03-04-00-US (FIXED WALL MOUNT)	---	---	N/A	120	50
CF2	OUTDOOR RATED 60" ROUND 6 BLADE CEILING FAN WITH LIGHT KIT. COLOR TO BE SELECTED BY THE ARCHITECT. FURNISHED WITH WALL MOUNTED CONTROLLER	PENDANT	CEILING	BIG ASS FANS	FAN: MK-TRB1-062306-A786-120 WALL SWITCH: C-BTWC-03-04-00-US (FIXED WALL MOUNT)	---	---	N/A	120	70
CF3	6'-0" PENDANT MOUNTED CEILING FAN WITH 6 BLADES. COLOR TO BE SELECTED BY THE ARCHITECT. FURNISHED WITH WALL MOUNTED CONTROLLER	PENDANT	CEILING	BIG ASS FANS	FAN: MK-I61-06-18-06-**-100 WALL SWITCH: C-BTWC-03-04-00-US (FIXED WALL MOUNT)	---	---	N/A	120	50
P1	8'-0" PENDANT MOUNTED STRIP WITH SQUARE LENS AND INTEGRAL DRIVER. PROVIDE ALL THREAD DOWN RODS SECURES TO STRUCTURE AS REQUIRED	SURFACE	CEILING	METALLUX COLUMBIA H.E. WILLIAMS LITHONIA	8T-SNLED-LD5-SLN-64SL-SLN-UNV-L835-CD-1 APPROVED EQUAL APPROVED EQUAL APPROVED EQUAL	6,063	3500K	1	120	45
PIE	SAME AS FIXTURE P1 EXCEPT WITH AN EMERGENCY BATTERY TO OPERATE FIXTURE FOR 90 MINUTES UPON LOSS OF POWER.	SURFACE	CEILING	METALLUX COLUMBIA H.E. WILLIAMS LITHONIA	8T-SNLED-LD5-SLN-64SL-SLN-UNV-EL14W-L835-CD-1 APPROVED EQUAL APPROVED EQUAL APPROVED EQUAL	6,063	3500K	1	120	45
P2E	10'-0" PENDANT MOUNTED LIGHT FIXTURE WITH UP AND DOWN LIGHT. COLOR TO BE SELECTED BY THE ARCHITECT	PENDANT	VERIFY WITH ARCH DRAWINGS	PEERLESS FINELITE LUMENWERX	VMMB-LLP-10FT-MSL4-80CR-35K-ID1350LMF-6040-DARK-ZT-120-SCT-E10WLCP-F2-XX-**-DU APPROVED EQUAL APPROVED EQUAL	1350 PER FT	3500K	1	120	15 PER FT
P3	DECORATIVE PENDANT MOUNTED LUMINAIRE WITH 1 LAMP. PROVIDE AN ALLOWANCE OF \$300 FOR EACH.	PENDANT	SEE ARCH DRAWINGS		TO BE SELECTED					
P4	2' x 2' SQUARE PENDANT MOUNTED LUMINAIRE WITH INTEGRAL DRIVER. COLOR TO BE SELECTED BY THE ARCHITECT. COLORS TO BE SELECTED BY THE ARCHITECT	PENDANT	SEE ARCH DRAWINGS	PRUDENTIAL FINELITE LUMENWERX	BPR02-SQ-LIN-22-FLSH-LED35-SO-SAL-**-**-SC-UNV-SPM-**-X3-DM01- APPROVED EQUAL APPROVED EQUAL	6,300	3500K	1	120	63
P5	3' x 3' SQUARE PENDANT MOUNTED LUMINAIRE WITH INTEGRAL DRIVER. COLOR TO BE SELECTED BY THE ARCHITECT. COLORS TO BE SELECTED BY THE ARCHITECT	PENDANT	SEE ARCH DRAWINGS	PRUDENTIAL FINELITE LUMENWERX	BPR02-SQ-LIN-33-FLSH-LED35-SO-SAL-**-**-SC-UNV-SPM-**-X3-DM01- APPROVED EQUAL APPROVED EQUAL	9,400	3500K	1	120	94
P6	4' x 4' SQUARE PENDANT MOUNTED LUMINAIRE WITH INTEGRAL DRIVER. COLOR TO BE SELECTED BY THE ARCHITECT. COLORS TO BE SELECTED BY THE ARCHITECT	PENDANT	SEE ARCH DRAWINGS	PRUDENTIAL FINELITE LUMENWERX	BPR02-SQ-LIN-44-FLSH-LED35-SO-SAL-**-**-SC-UNV-SPM-**-X3-DM01- APPROVED EQUAL APPROVED EQUAL	12,600	3500K	1	120	125
R1	6" ROUND L.E.D. DOWNLIGHT WITH SWITCHABLE LUMEN OUTPUT, CLEAR SEMI-DIFFUSE REFLECTOR AND INTEGRAL 0-10 VOLT DIMMABLE DRIVER	RECESSED	CEILING	LITHONIA PRESCOLITE H.E. WILLIAMS HALO	LDN6-AL02-SWW1-L06-AR-LSS-WD-MVOLT-UGZ APPROVED EQUAL APPROVED EQUAL APPROVED EQUAL	1,500	3500K	1	120	20
R1E	SAME AS FIXTURE 'R1' EXCEPT WITH AN EMERGENCY BATTERY PACK TO OPERATE FIXTURE FOR 90 MINUTES UPON LOSS OF POWER	RECESSED	CEILING	LITHONIA PATHWAY H.E. WILLIAMS HALO	LDN6-AL02-SWW1-L06-AR-LSS-WD-MVOLT-UGZ-EL APPROVED EQUAL APPROVED EQUAL APPROVED EQUAL	1,500	3500K	1	120	20
R2	RECESSED 2x2 L.E.D. FIXTURE WITH 0-10 VOLT DIMMABLE DRIVER	RECESSED	CEILING	METALLUX COLUMBIA H.E. WILLIAMS LITHONIA	22EN-LD2-39-UNV-L835-CD1-U APPROVED EQUAL APPROVED EQUAL APPROVED EQUAL	3,979	3500K	1	120	35
R2E	SAME AS FIXTURE 'R2' EXCEPT WITH AN EMERGENCY BATTERY PACK TO OPERATE FIXTURE FOR 90 MINUTES UPON LOSS OF POWER	RECESSED	CEILING	METALLUX COLUMBIA H.E. WILLIAMS LITHONIA	22EN-LD2-39-UNV-EL14W-L835-CD1-U APPROVED EQUAL APPROVED EQUAL APPROVED EQUAL	3,979	3500K	1	120	35
R3	RECESSED 2x4 L.E.D. FIXTURE WITH 0-10 VOLT DIMMABLE DRIVER	RECESSED	CEILING	METALLUX COLUMBIA H.E. WILLIAMS LITHONIA	24EN-LD2-54-UNV-L835-CD1-U APPROVED EQUAL APPROVED EQUAL APPROVED EQUAL	5,410	3500K	1	120	45
R3E	SAME AS FIXTURE 'R3' EXCEPT WITH AN EMERGENCY BATTERY PACK TO OPERATE FIXTURE FOR 90 MINUTES UPON LOSS OF POWER	RECESSED	CEILING	METALLUX COLUMBIA H.E. WILLIAMS LITHONIA	24EN-LD2-54-UNV-EL14W-L835-CD1-U APPROVED EQUAL APPROVED EQUAL APPROVED EQUAL	5,410	3500K	1	120	45
S1	4'-0" SURFACE MOUNTED L.E.D. STRIP WITH LENS AND INTEGRAL DRIVER	SURFACE	CEILING	LITHONIA METALLUX H.E. WILLIAMS COLUMBIA	ZL1N-L48-SMR-5000LM-FST-MVOLT-35K-80CRI-WH APPROVED EQUAL APPROVED EQUAL APPROVED EQUAL	4,585	3500K	1	120	35
S1E	SAME AS FIXTURE 'S1' EXCEPT WITH AN EMERGENCY BATTERY TO OPERATE FIXTURE FOR 120 MINUTES UPON LOSS OF POWER.	SURFACE	CEILING	LITHONIA METALLUX H.E. WILLIAMS COLUMBIA	ZL1N-L48-SMR-5000LM-FST-MVOLT-35K-80CRI-EM(2HR)/WH APPROVED EQUAL APPROVED EQUAL APPROVED EQUAL	4,585	3500K	1	120	35
SH	6" ROUND RECESSED SHOWER LIGHT WITH INTEGRAL DRIVER. U.L. LISTED FOR WET LOCATION	RECESSED	CEILING	H.E. WILLIAMS PRESCOLITE PORTFOLIO LITHONIA KICHLER	LSL60-L30C-8-35-DPL-DRV-120 APPROVED EQUAL APPROVED EQUAL APPROVED EQUAL	800	3500K	1	120	36
UC	2'-0" UNDER CABINET LIGHT WITH INTEGRAL DRIVER	SURFACE	UNDER CABINET	KICHLER	6UCSK22NT	735	3000K	N/A	120	10
UC1	30" UNDER CABINET LIGHT WITH INTEGRAL DRIVER	SURFACE	UNDER CABINET	KICHLER	6UCSK30NT	1,000	3000K	N/A	120	10
W1	WALL MOUNTED 12" GOOSE NECK MOUNTED FIXTURE. U.L. LISTED FOR WET LOCATION. COLOR TO BE SELECTED BY THE ARCHITECT	WALL	SEE ARCH DRAWINGS	BOCK LIGHTING SPECTRUM	512-**-LAC02-**-GN17A-17-** APPROVED EQUAL	1500 - 2400	4000K	1	120	25
W2	WALL MOUNTED VANITY SCONCE. COLOR TO BE SELECTED BY THE ARCHITECT	WALL	SEE ARCH DRAWINGS	TGS WAC LIGHTING	M/R-24-24-C3000-BN APPROVED EQUAL	1,700	3000K	N/A	120	24
W3	WALL MOUNTED SCONCE WITH UP AND DOWNLIGHT. COLOR TO BE SELECTED BY THE ARCHITECT	WALL	SEE ARCH DRAWINGS	CONTECH BARRON LIGHTING	CY3T-3-40K-MV/D2-AW-X-WF-BZ-RD APPROVED EQUAL	2,286	4000K	1	120	20
W4	WALL MOUNTED SCONCE WITH INTEGRAL DRIVER. U.L. LISTED FOR WET LOCATION. COLOR TO BE SELECTED BY THE ARCHITECT	WALL	SEE ARCH DRAWINGS	LITHONIA MCGRAW EDISON H.E. WILLIAMS	WST-LED-P2-40K-VV-120-** APPROVED EQUAL APPROVED EQUAL APPROVED EQUAL	3,201	4000K	1	120	30
W5	WALL MOUNTED SCONCE WITH UP AND DOWNLIGHT. COLOR TO BE SELECTED BY THE ARCHITECT	WALL	SEE ARCH DRAWINGS	CONTECH BARRON LIGHTING	CY3S-3-40K-MV/D2-AW-X-WF-BZ APPROVED EQUAL	2,286	4000K	1	120	20
W6	WALL MOUNTED 20" GOOSE NECK MOUNTED FIXTURE. U.L. LISTED FOR WET LOCATION. COLOR TO BE SELECTED BY THE ARCHITECT	WALL	SEE ARCH DRAWINGS	BOCK LIGHTING SPECTRUM	520-**-LAH01-**-GN2H-22-** APPROVED EQUAL	3000 - 5000	4000K	1	120	45

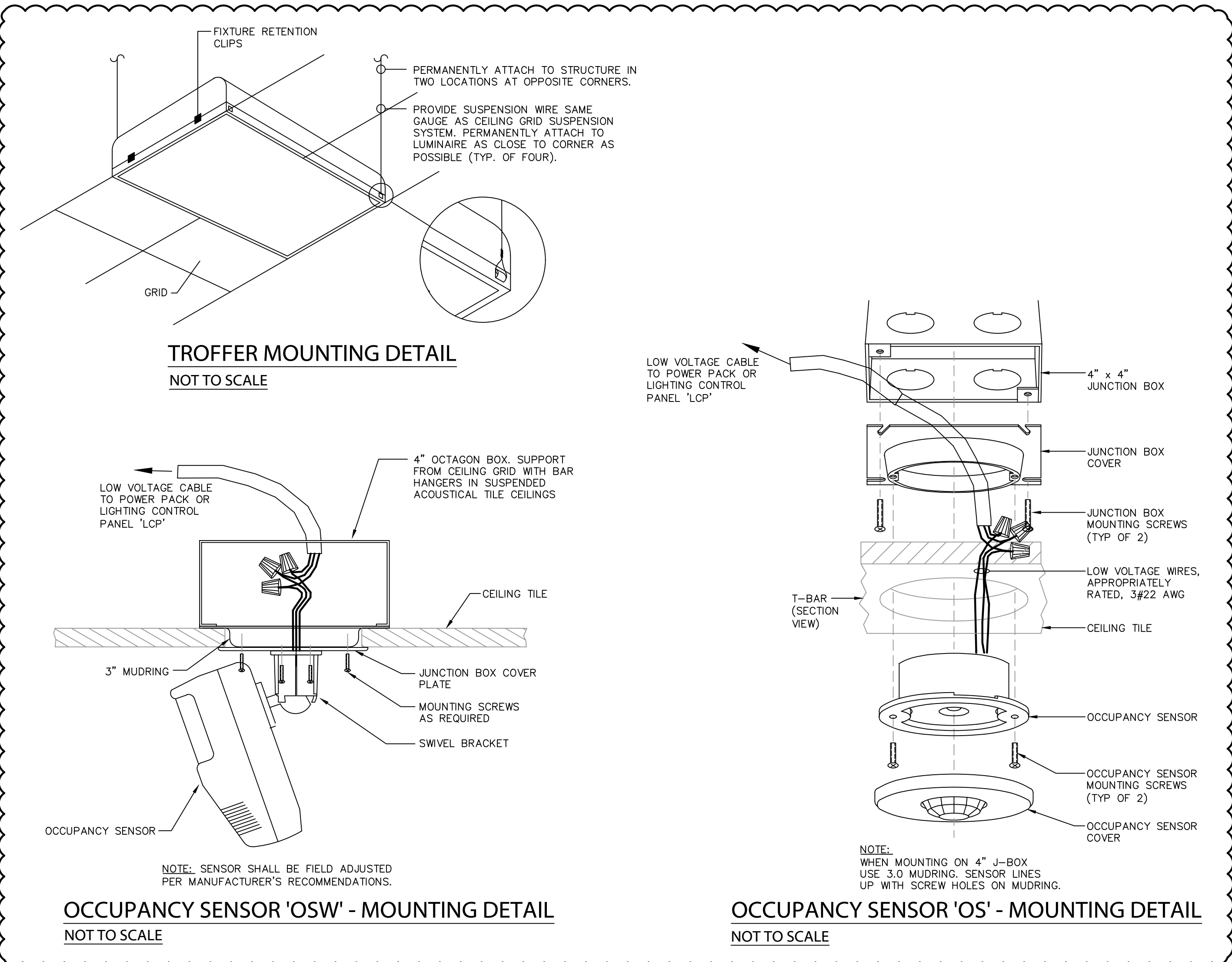
100% CD'S

IRONDALE FIRE STATION #3
INT. OF JOHN ROGERS DRIVE & ALTON ROAD
Birmingham, Alabama
CITY OF IRONDALE

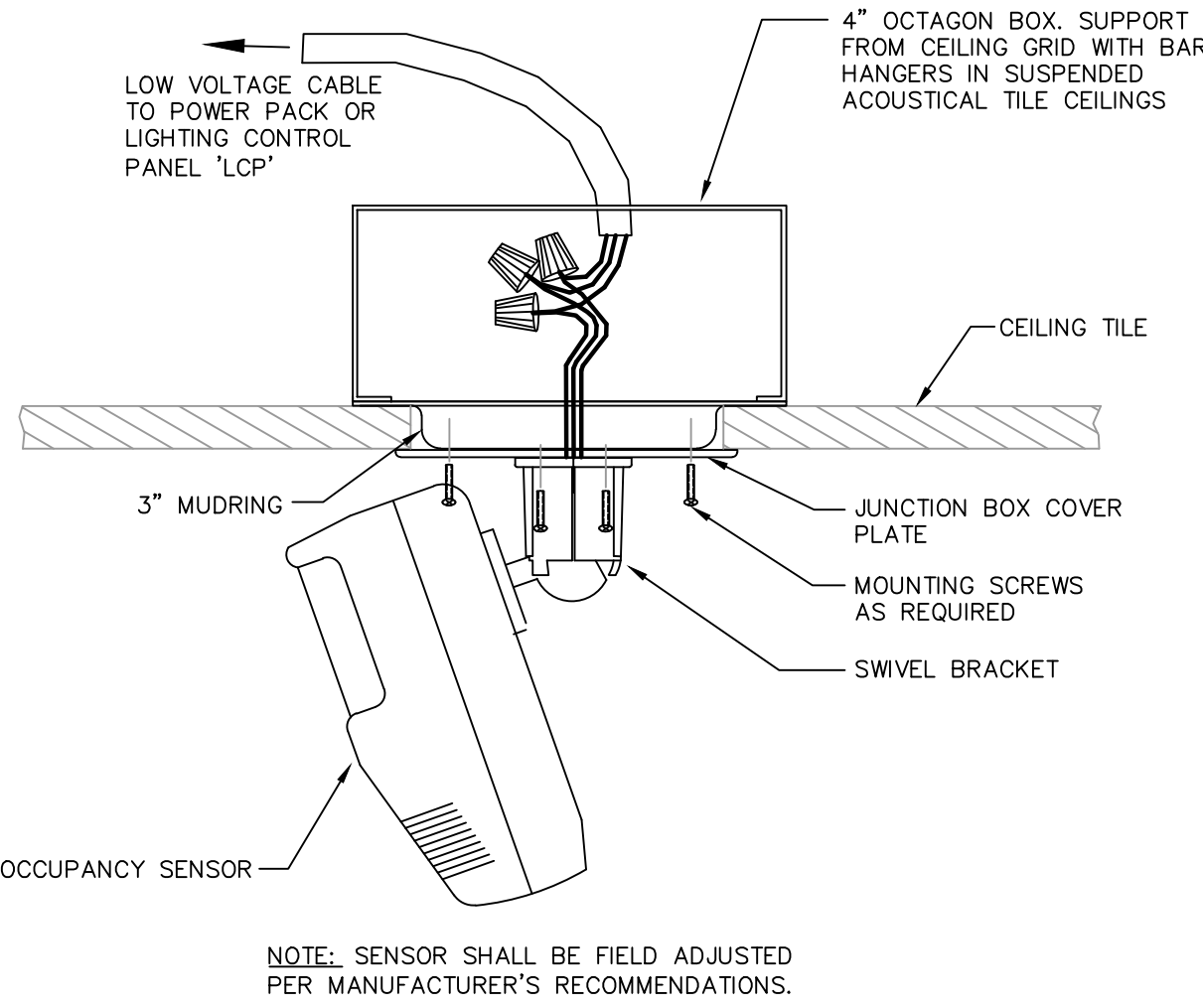
CHARLES WILLIAMS & ASSOCIATES ARCHITECTS
CWA
3601 8TH AVE. SOUTH BIRMINGHAM, ALABAMA 35222
PH: 205-250-0700 FAX: 205-250-0515

SHEET TITLE:
Lighting Fixture Schedule & Details
PROJECT NUMBER:
CWA No. 2023-01
DATE:
08/30/24
DRAWN BY:
JLB
CHECKED BY:
JLB

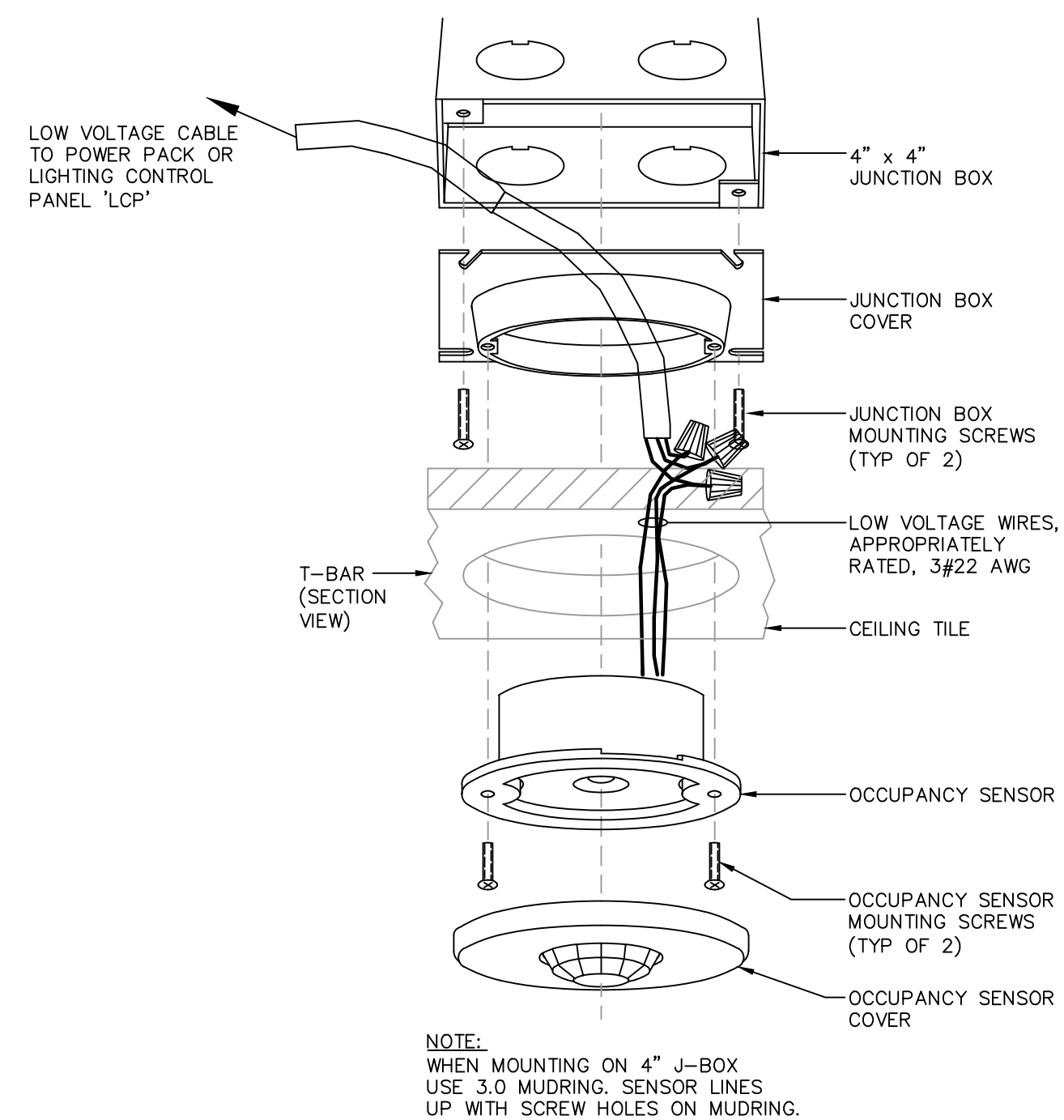
SHEET NUMBER
E002



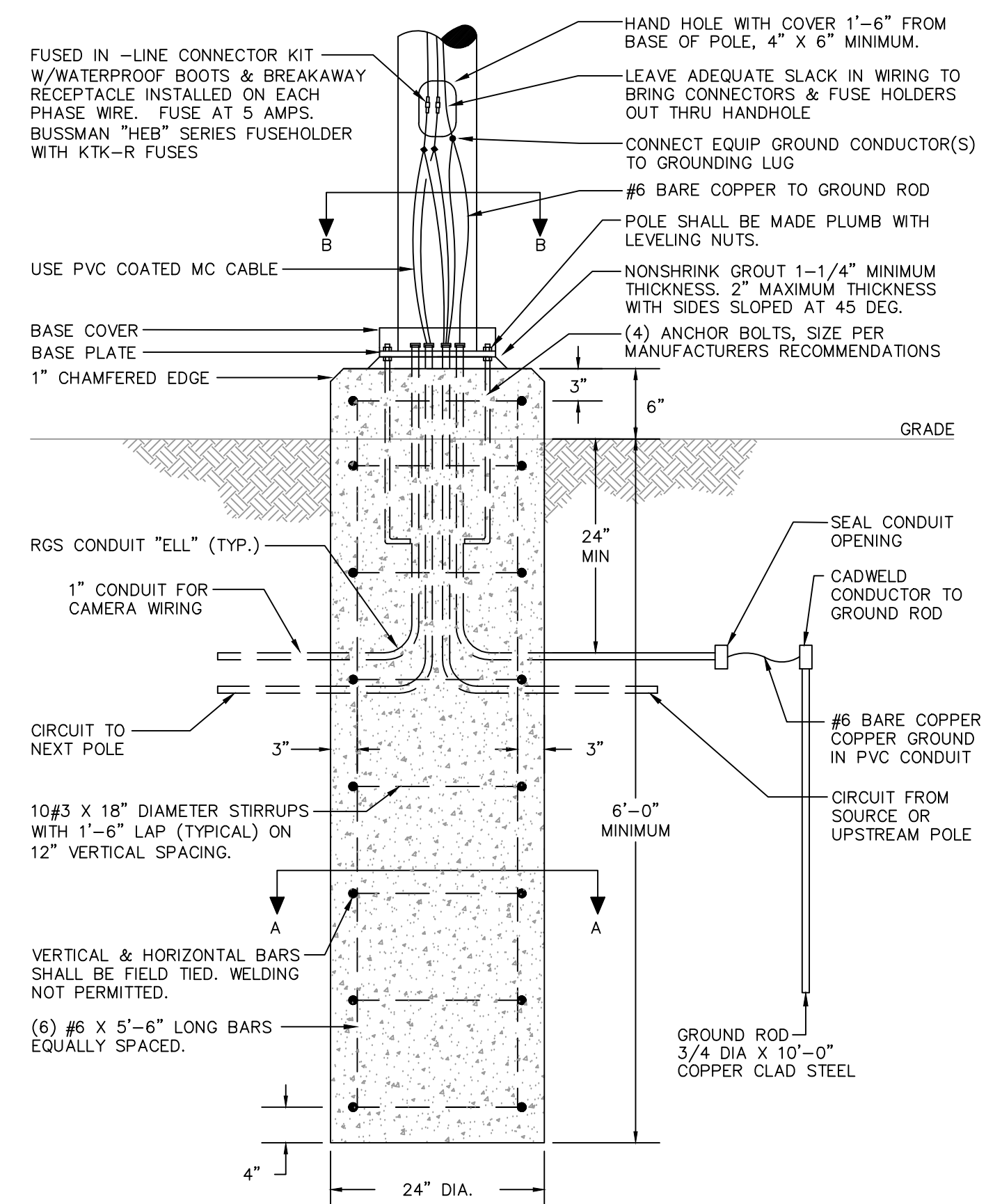
TROFFER MOUNTING DETAIL
NOT TO SCALE



OCCUPANCY SENSOR 'OSW' - MOUNTING DETAIL
NOT TO SCALE

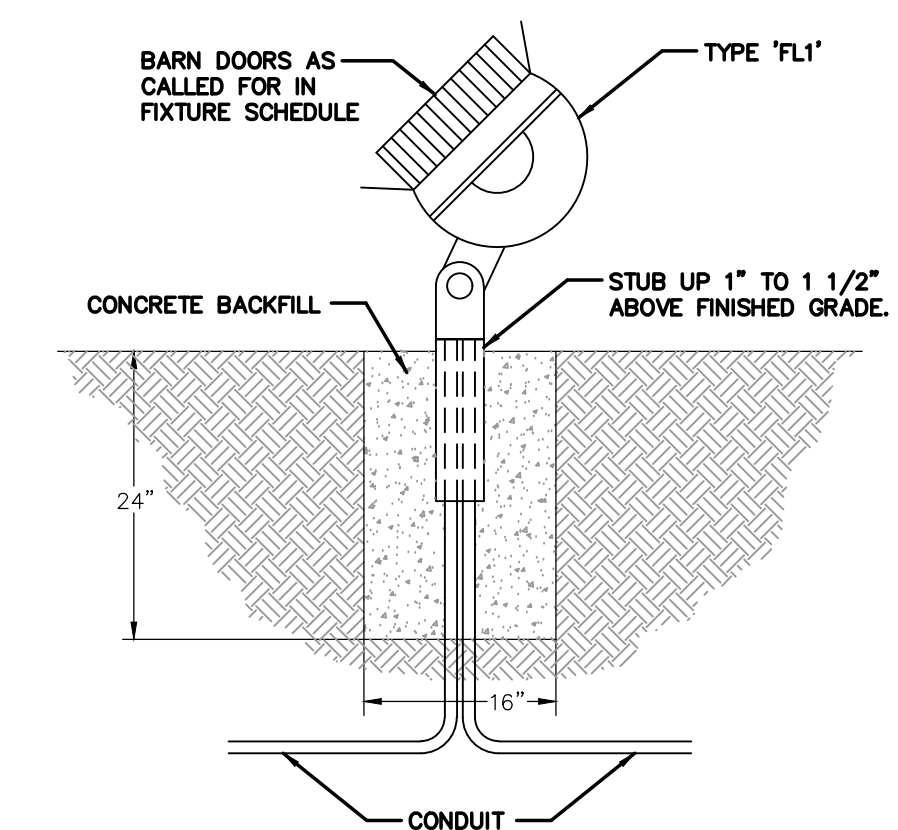
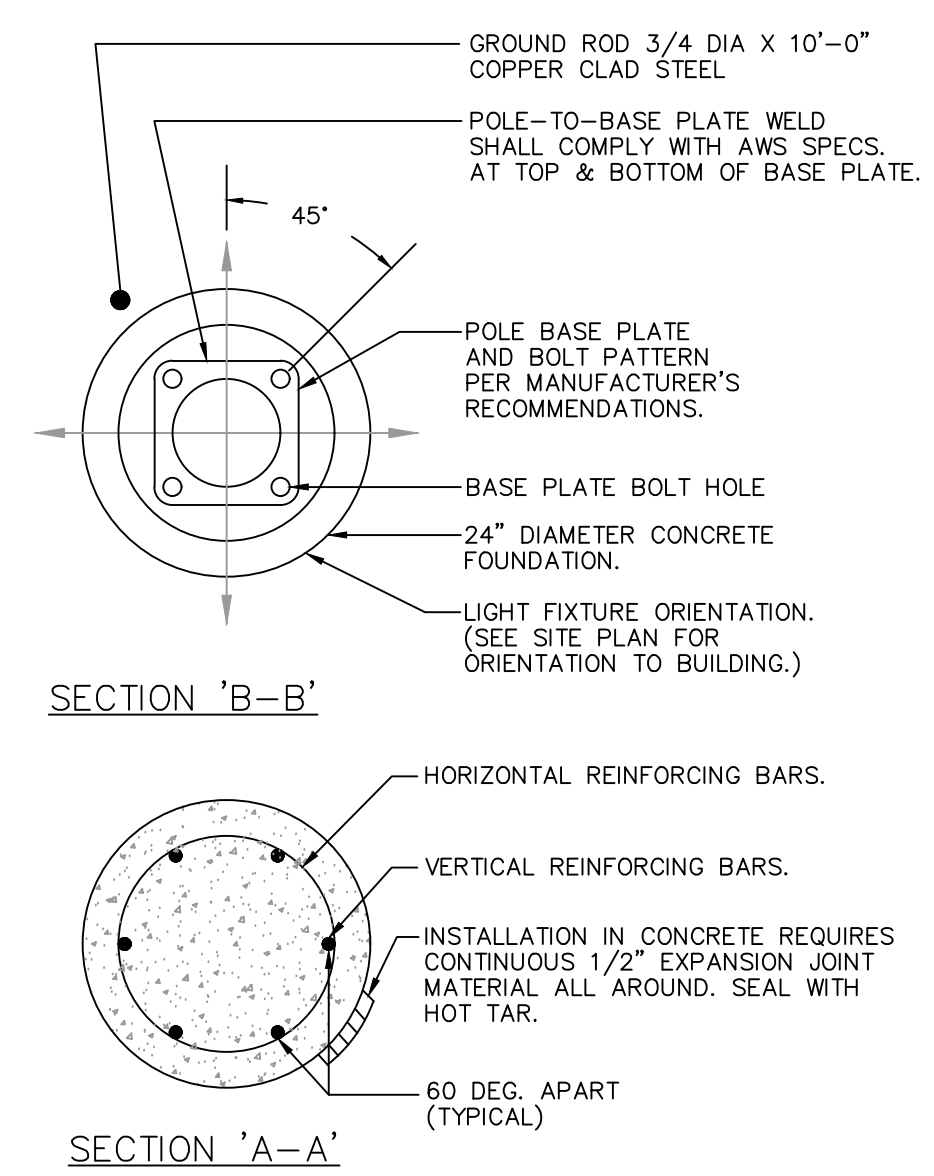


OCCUPANCY SENSOR 'OS' - MOUNTING DETAIL
NOT TO SCALE



- NOTES:**
- 3500 PSI MINIMUM 28 DAY COMPRESSIVE STRENGTH CONCRETE WITH GRADE 60 RE-BARS.
 - IF WATER IS PRESENT IN HOLE, REMOVE BEFORE POURING CONCRETE.
 - FOUNDATION EXCAVATION SHALL BE BY 24" AUGAR IN UNDISTURBED OR PROPERLY COMPACTED FILL.
 - MINIMUM ALLOWABLE SOIL BEARING PRESSURE 3000 PSF. NOTIFY ENGINEER IF BEARING PRESSURE IS LESS.
 - AIR ENTRAINMENT: 4 TO 6%.

SITE LIGHTING POLE BASE DETAILS
TYPICAL FOR: 'PL2H', 'PL3H', & 'PL4'
NOT TO SCALE



FLOOD LIGHT 'FL1' - INSTALLATION DETAIL
NOT TO SCALE

CONSULTING CONSTRUCTION ENGINEERING, LLC
1028 23rd Street South
Birmingham, Alabama 35205
Phone: (205) 352-2500 Web: www.cce-eng.com
Date: Feb 12, 2025
File: EG-03.dwg Time: 5:27:25 pm

Revisions		
No.	Date	Description
1	02.12.25	Addendum #2



100% CD'S

IRONDALE FIRE STATION #3
INT. OF JOHN ROGERS DRIVE & ALTON ROAD
Birmingham, Alabama
CITY OF IRONDALE

CHARLES WILLIAMS & ASSOCIATES ARCHITECTS
PH: 205-250-0700
3601 8TH AVE. SOUTH BIRMINGHAM, ALABAMA 35222
FAX: 205-250-0515

SHEET TITLE:
Lighting Fixture Schedule & Details
PROJECT NUMBER:
CWA No. 2023-01
DATE:
08/30/24
DRAWN BY:
JLB CHECKED BY:
JLB

SHEET NUMBER
E003

LIGHTING CONTROL PANEL RELAY SCHEDULE							
RELAY	AREA	CONTACTS	DIMMING	CONTROLLED BY	LCP WIRING DIAGRAM #	E911 OVERRIDE	NOTES
CR-1	DORM #1	120	YES	LVD SWITCH / OCCUPANCY SENSOR	1	YES	A
CR-2	DORM #2	120	YES	LVD SWITCH / OCCUPANCY SENSOR	1	YES	A
CR-3	DORM #3	120	YES	LVD SWITCH / OCCUPANCY SENSOR	1	YES	A
CR-4	DORM #4	120	YES	LVD SWITCH / OCCUPANCY SENSOR	1	YES	A
CR-5	DORM #5	120	YES	LVD SWITCH / OCCUPANCY SENSOR	1	YES	A
CR-6	DORM #6	120	YES	LVD SWITCH / OCCUPANCY SENSOR	1	YES	A
CR-7	DORM #7	120	YES	LVD SWITCH / OCCUPANCY SENSOR	1	YES	A
CR-8	DORM #8	120	YES	LVD SWITCH / OCCUPANCY SENSOR	1	YES	A
CR-9	CORRIDOR C1-4	120	NO	LV SWITCH	1	YES	A
CR-10	RESTROOM 112	120	NO	LV SWITCH	1	YES	A
CR-11	RESTROOM 113	120	NO	LV SWITCH	1	YES	A
CR-12	LAUNDRY	120	NO	LV SWITCH	1	YES	A
CR-13	RESTROOM 115	120	NO	LV SWITCH	3	YES	A, B
CR-14	RESTROOM 116	120	NO	LV SWITCH	2	YES	A
CR-15	EXERCISE	120	NO	CLG FAN SW. / LV SWITCH	3	YES	A, B
CR-16	DAY ROOM	120	YES	LV SWITCH	2	YES	A
CR-17	KITCHEN DOWNLIGHTS	120	NO	LV SWITCH	3	YES	A, B
CR-18	KITCHEN PENDANTS	120	NO	LV SWITCH	1	YES	A
CR-19	CORRIDOR C1-1	120	NO	LV SWITCH	3	YES	A, B
CR-20	ENTRY LOBBY	120	NO	LV SWITCH	3	YES	A, B
CR-21	WATCH 105	120	NO	LV SWITCH	3	YES	A, B
CR-22	OFFICE 107	120	YES	LVD SWITCH / OCCUPANCY SENSOR	3	YES	A, B
CR-23	OFFICE 109	120	YES	LVD SWITCH / OCCUPANCY SENSOR	3	YES	A, B
CR-24	TLT 101	120	NO	LV SWITCH	3	YES	A, B
CR-25	EMS 102	120	NO	LV SWITCH	3	YES	A, B
CR-26	EMS STO 103	120	NO	LV SWITCH	3	YES	A, B
CR-27	JAN 110	120	NO	LV SWITCH	3	YES	A, B
CR-28	STORAGE 146	120	NO	LV SWITCH	3	YES	A, B
CR-29	BUNKER GEAR	120	NO	LV SWITCH	3	YES	A, B
CR-30	CORRIDOR C1-3	120	NO	LV SWITCH	3	YES	A, B
CR-31	MECHELE 139	120	NO	LV SWITCH	1	YES	A
CR-32	DECON 148	120	NO	LV SWITCH	1	YES	A
CR-33	IT 149	120	NO	LV SWITCH	1	YES	A
CR-34	APPARATUS BAY	120	NO	LV SWITCH	1	YES	A
CR-35	GEAR WASH	120	NO	LV SWITCH	1	YES	A
CR-36	STORAGE 145	120	NO	LV SWITCH	1	YES	A
CR-37	TOILET 142	120	NO	OCCUPANCY SENSOR SWITCH	1	YES	A
CR-38	JAN 143	120	NO	OCCUPANCY SENSOR SWITCH	1	YES	A
CR-39	AUX ROOM / STORM SHELTER	120	NO	OCCUPANCY SENSOR SWITCH	1	YES	A
CR-40	SPARE						
CR-41	RANGE / GAS SOLENOID	120	NO	LV KEYED SWITCH	4	YES	C
CR-42	BUILDING MOUNTED LIGHTS	120	NO	PHOTOCELL (DUSK TO DAWN)	---	NO	
CR-43	FLAG POLE	120	NO	PHOTOCELL (DUSK TO DAWN)	---	NO	
CR-44	PYLON SIGNAGE	120	NO	PHOTOCELL (DUSK TO DAWN)	---	NO	
CR-45	LANDSCAPE LIGHTING	120	NO	PHOTOCELL (DUSK TO DAWN) / TIMECLOCK (ON-OFF)	---	NO	D
CR-46	APPARATUS BAY EXTERIOR	120	NO	PHOTOCELL (DUSK TO DAWN)	---	NO	
CR-47	SITE LIGHTING	208	NO	PHOTOCELL (DUSK TO DAWN)	---	NO	
CR-48	SITE LIGHTING	208	NO	PHOTOCELL (DUSK TO DAWN)	---	NO	

NOTES:

- RELAY TO TURN ON FOR 15 MINUTES UPON SIGNAL BEING RECEIVED FROM E911 DISPATCH CONTROL PANEL REGARDLESS OF SWITCH ON-OFF STATUS. RELAY TO RETURN TO NORMAL OPERATING SCHEDULE AFTER 15 MINUTE DURATION.
- POWER PACK TO CONTROL LIGHT IN CEILING FAN ONLY. SEE CONTROL WIRING DIAGRAM. SENSOR TO BE PROGRAMMED FOR VACANCY MODE.
- RELAY TO TURN OFF UPON RECEIVING A SIGNAL FROM E911 DISPATCH CONTROL PANEL. RELAY TO TURN ON UPON ACTIVATION OF KEYED SWITCH. SEE WIRING DIAGRAM.
- RELAY TO BE PROGRAMMED AS DIRECTED BY THE OWNER.

Revisions		
No.	Date	Description
1	02-12-25	Addendum #2



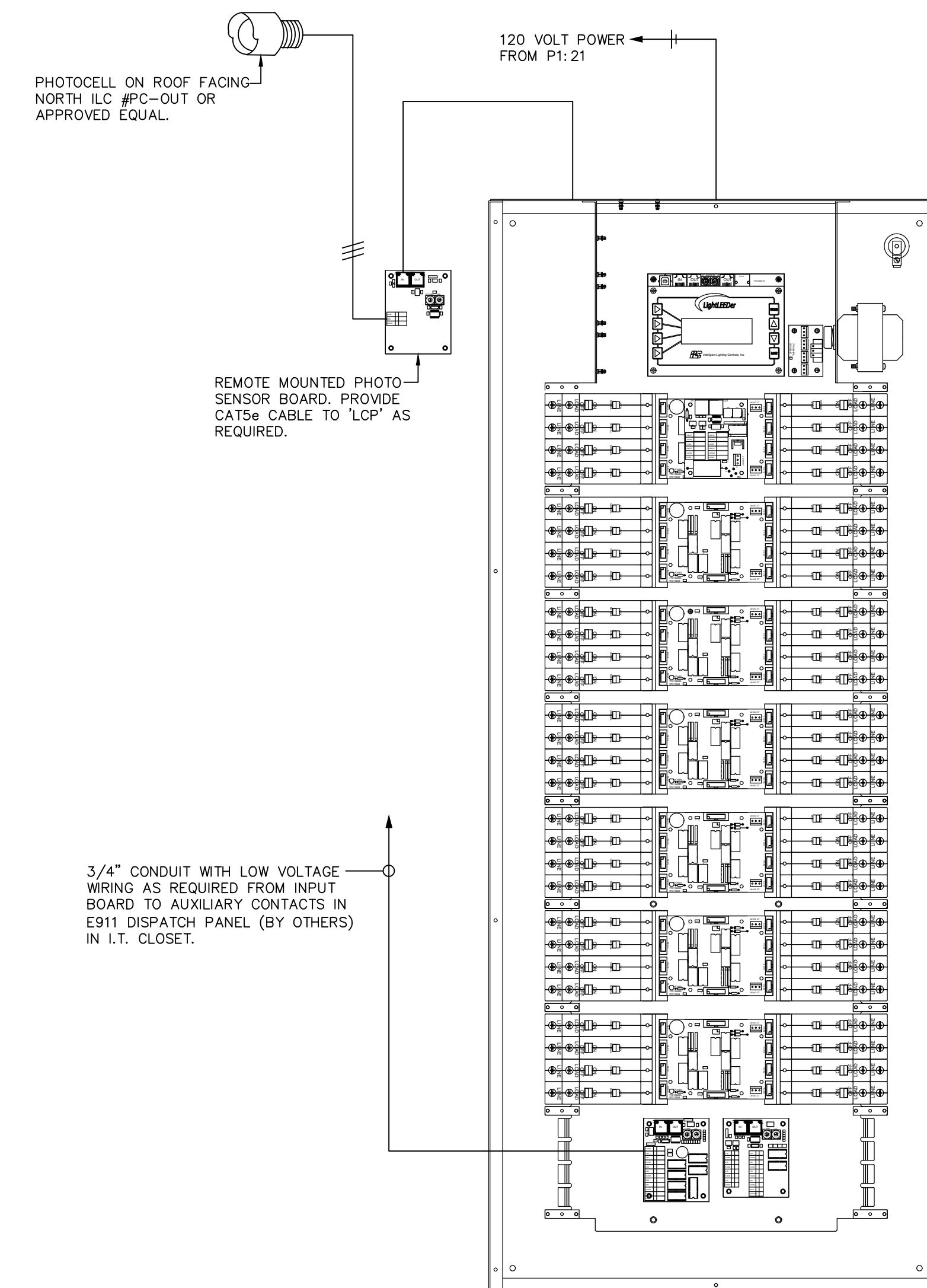
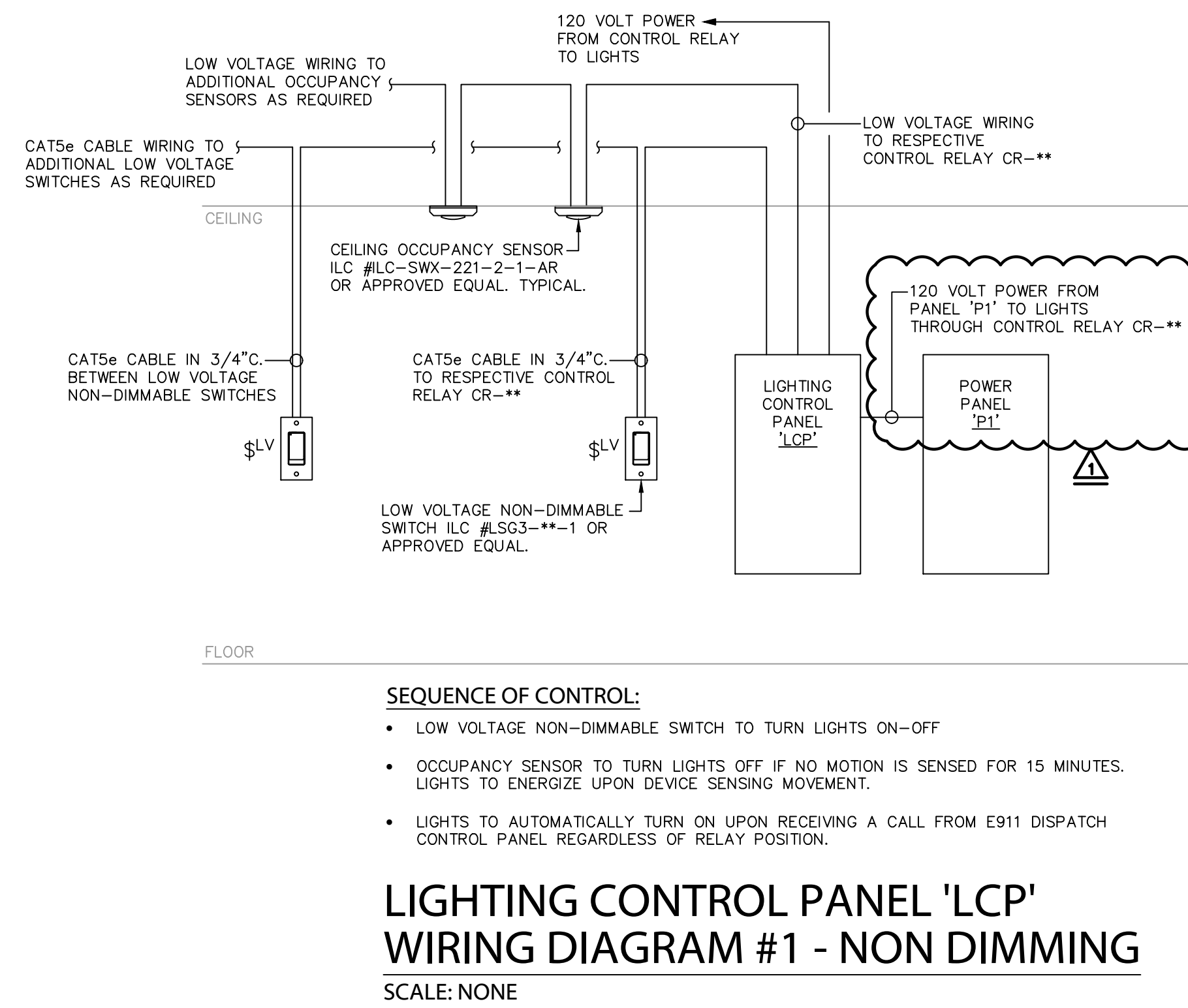
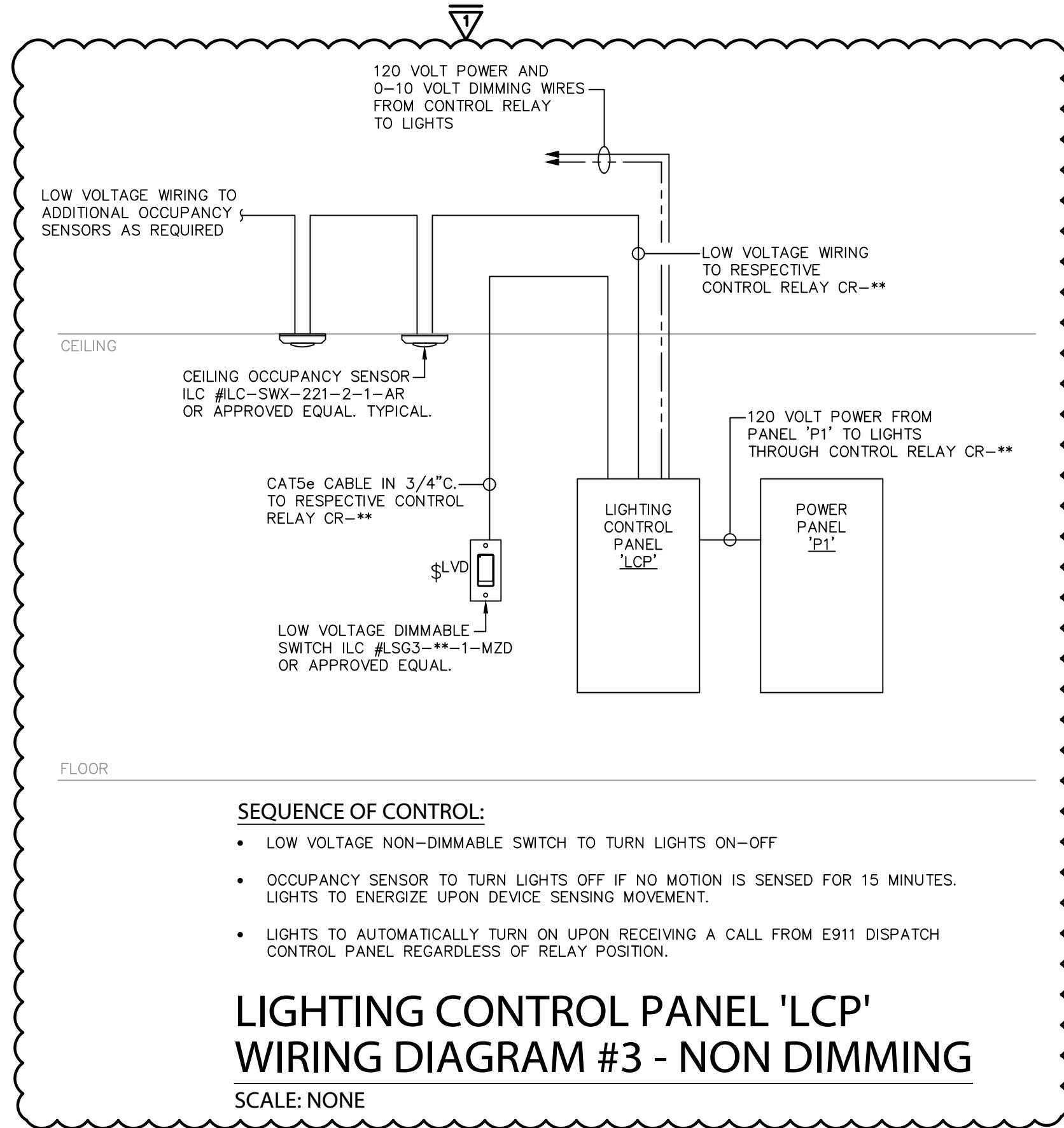
100% CD'S

IRONDALE FIRE STATION #3
 INT. OF JOHN ROGERS DRIVE & ALTON ROAD
 Birmingham, Alabama
 CITY OF IRONDALE

CHARLES WILLIAMS & ASSOCIATES ARCHITECTS
CWA
 3601 8TH AVE. SOUTH BIRMINGHAM, ALABAMA 35222
 PH: 205-250-0700 FAX: 205-250-0515

SHEET TITLE: **Electrical Details**
 PROJECT NUMBER: **CWA No. 2023-01**
 DATE: **08/30/24**
 DRAWN BY: **JLB** CHECKED BY: **JLB**

SHEET NUMBER: **E004**

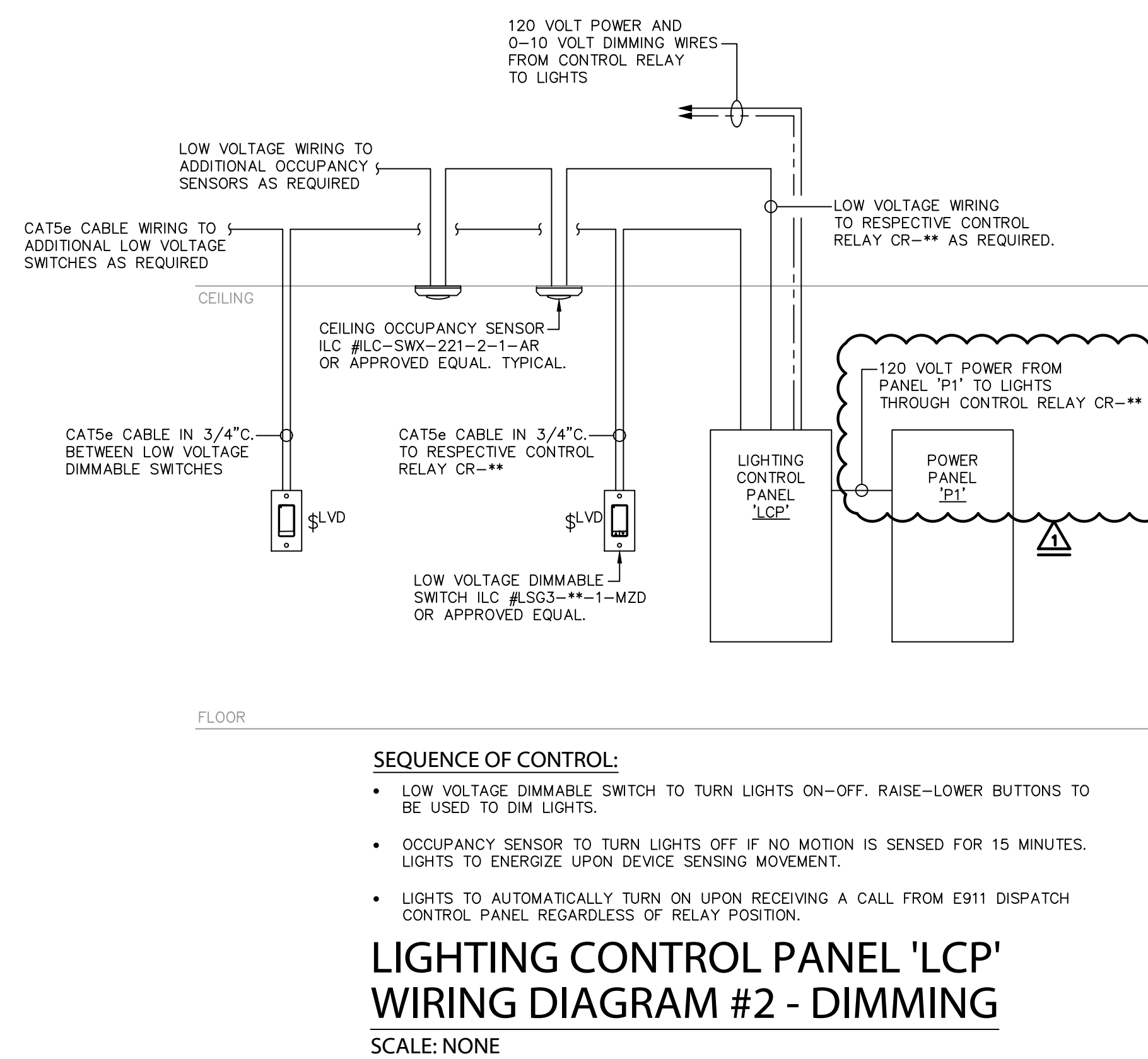
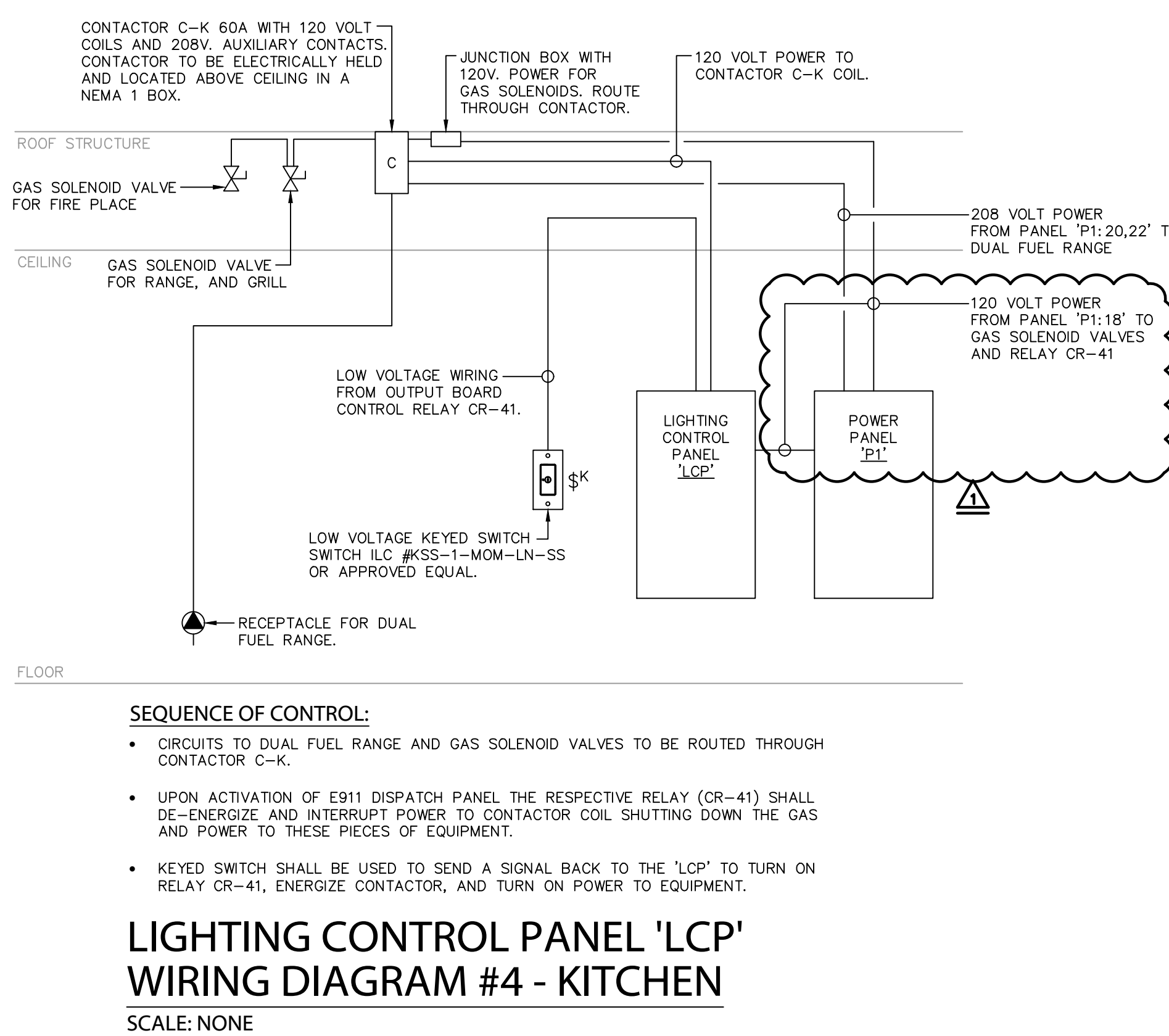


LIGHTING CONTROL PANEL GENERAL NOTES:

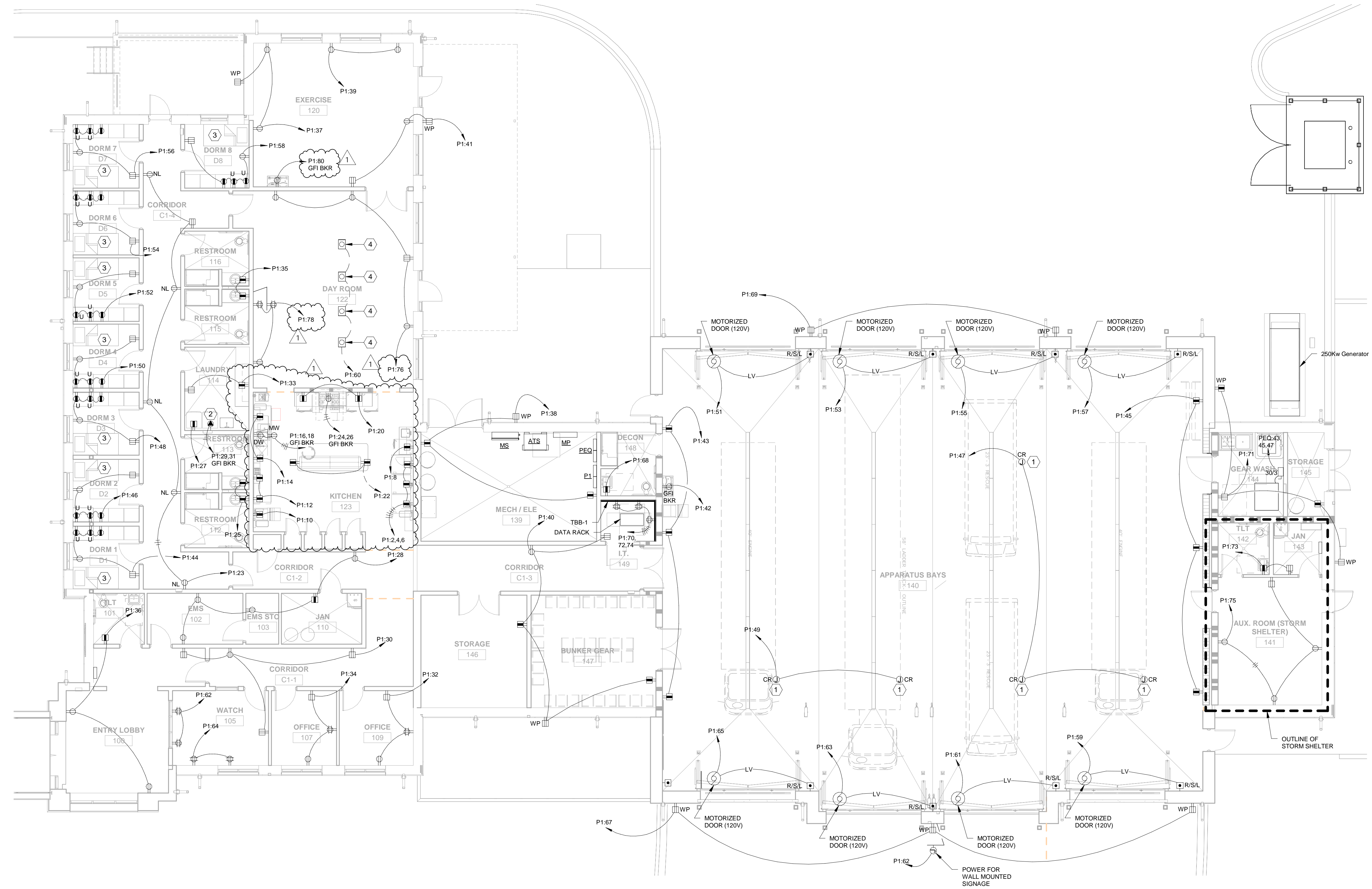
A. LIGHTING CONTROL PANEL 'LCP' IS AN INTELLIGENT LIGHTING CONTROLS (ILC) LIGHTLEEDER SERIES #L-56-S-R40/1(46)-R40/2(2) OR APPROVED EQUAL. FURNISHED COMPLETE WITH ILC #SCM-P-O CONDITIONAL INPUT MODULE, ILC #L-DCO-MOM-P CONTACT OUTPUT BOARD, AND ILC #SPSC-OUT-PR-P PHOTO SENSOR (REMOTE MOUNTED). APPROVED EQUALS FROM WATTSTOPPER, HUBBELL, AND LUTRON WILL BE CONSIDERED.

B. RELAYS SHALL BE HORIZONTALLY NUMBERS TO COORDINATE WITH THE SCHEDULE.

LIGHTING CONTROL PANEL 'LCP'
 SCALE: NONE



Revisions		
No.	Date	Description
1	02/12/25	ADDENDUM #2



Level 1 Plan - Power
1/8" = 1'-0"

- PLAN NOTES THIS SHEET:**
1. CORD REEL MOUNTED TO STRUCTURE. VERIFY EXACT LOCATION WITH OWNER AND ARCHITECT PRIOR TO ROUGH-IN. REEL CRAFT #H-7122 OR APPROVED EQUAL.
 2. VERIFY NEMA CONFIGURATION PRIOR TO PURCHASE.
 3. ALL RECEPTACLES IN THIS ROOM SHALL BE TAMPER RESISTANT PER NEC 210.12(B).
 4. SINGLE GANG FLOOR OUTLET WITH (1) DUPLEX RECEPTACLE. WIREMOLD 880 SERIES OR APPROVED EQUAL.

STORM SHELTER NOTES
CONTRACTOR SHALL INSTALL ALL CONDUITS ENTERING OR EXITING THE STORM SHELTER UNDERGROUND SO THAT THEY DO NOT PENETRATE STORM SHELTER WALLS OR CEILINGS TO THE GREATEST EXTENT POSSIBLE. ANY PENETRATION(S) REQUIRED IN THE STORM SHELTER SHALL BE LESS THAN 2" AND SHALL CONFORM TO ICC 500.

100% CD'S

IRONDALE FIRE STATION #3
INT. OF JOHN ROGERS DRIVE & ALTON ROAD
Birmingham, Alabama
CITY OF IRONDALE

CHARLES WILLIAMS & ASSOCIATES ARCHITECTS
CWA
3601 8TH AVE. SOUTH BIRMINGHAM, ALABAMA 35222
PH: 205-250-0700 FAX: 205-250-0515

SHEET TITLE: Level 1 Plan - Power	
PROJECT NUMBER: CWA No. 2023-01	
DATE: 08.30.24	
DRAWN BY: JLB	CHECKED BY: JLB

SHEET NUMBER
E202

Revisions		
No.	Date	Description
1	02/12/25	ADDENDUM #2



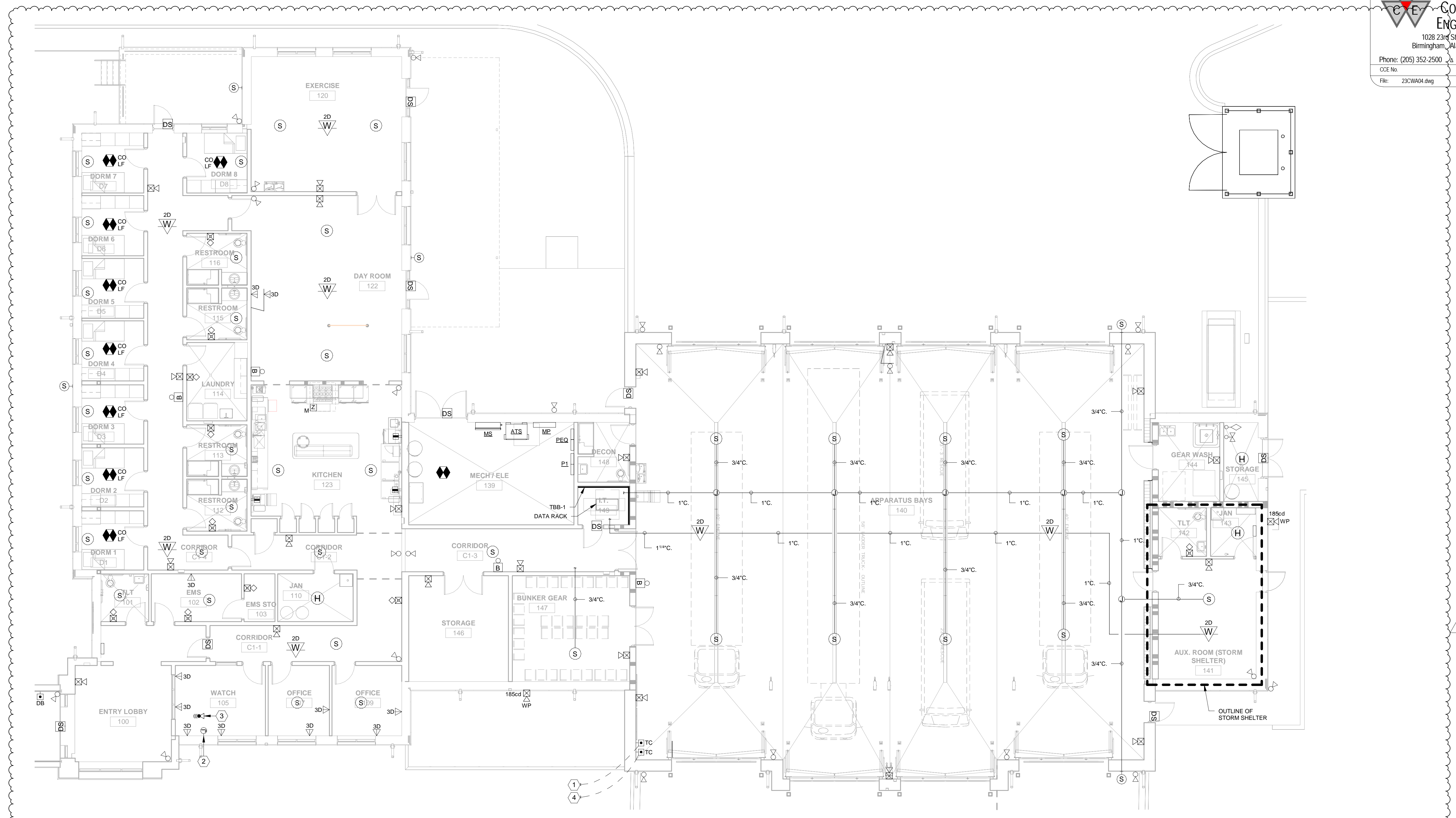
100% CD'S

IRONDALE FIRE STATION #3
INT. OF JOHN RODGERS DRIVE & ALTON ROAD
Birmingham, Alabama
CITY OF IRONDALE

CHARLES WILLIAMS
& ASSOCIATES
ARCHITECTS
PH: 205-250-0700
BIRMINGHAM, ALABAMA 35222
FAX: 205-250-0515

SHEET TITLE: Level 1 Plan - Auxiliary	
PROJECT NUMBER: CWA No. 2023-01	
DATE: 08.30.24	
DRAWN BY: JLB	CHECKED BY: JLB

SHEET NUMBER
E203



Level 1 Plan - Auxiliary
1/8" = 1'-0"

PLAN NOTES THIS SHEET:

- TRAFFIC CONTROL PUSH BUTTON. PROVIDE A 1". STUBBED FROM BUILDING TO TRAFFIC CONTROLLER LOCATED ON SITE. VERIFY EXACT LOCATION PRIOR TO ROUGH-IN.
- JUNCTION BOX WITH 1". STUBBED UP TO ABOVE CEILING FOR PAGING RADIO. TERMINATE WITH SMOOTH BUSING AND PROVIDE PULLWIRE. VERIFY EXACT LOCATION PRIOR TO ROUGH-IN.
- PROVIDE 1" CONDUIT PENETRATION THROUGH ROOF FOR ANTENNA. VERIFY EXACT LOCATION AND TERMINATE AS DIRECTED BY RADIO INSTALLER. WEATHER PROOF AND SEAL AS REQUIRED.
- TRAFFIC CONTROL PUSHBUTTON FOR SOLAR POWERED BEACON LIGHTS AT ROADWAY. PROVIDE A 1". STUBBED FROM BUILDING TO SOLAR POWERED LIGHTS AT JOHN RODGERS DRIVE (SEE SHEET C1.0). CONTRACTOR SHALL BORE UNDER JOHN RODGERS DRIVE AS REQUIRED. COORDINATE WITH CIVIL SITE CONTRACTOR AS REQUIRED.

STORM SHELTER NOTES

CONTRACTOR SHALL INSTALL ALL CONDUITS ENTERING OR EXITING THE STORM SHELTER UNDERGROUND SO THAT THEY DO NOT PENETRATE STORM SHELTER WALLS OR CEILINGS TO THE GREATEST EXTENT POSSIBLE. ANY PENETRATION(S) REQUIRED IN THE STORM SHELTER SHALL BE LESS THAN 2" AND SHALL CONFORM TO ICC 500.

Revisions		
No.	Date	Description
1	02/12/25	ADDENDUM #2



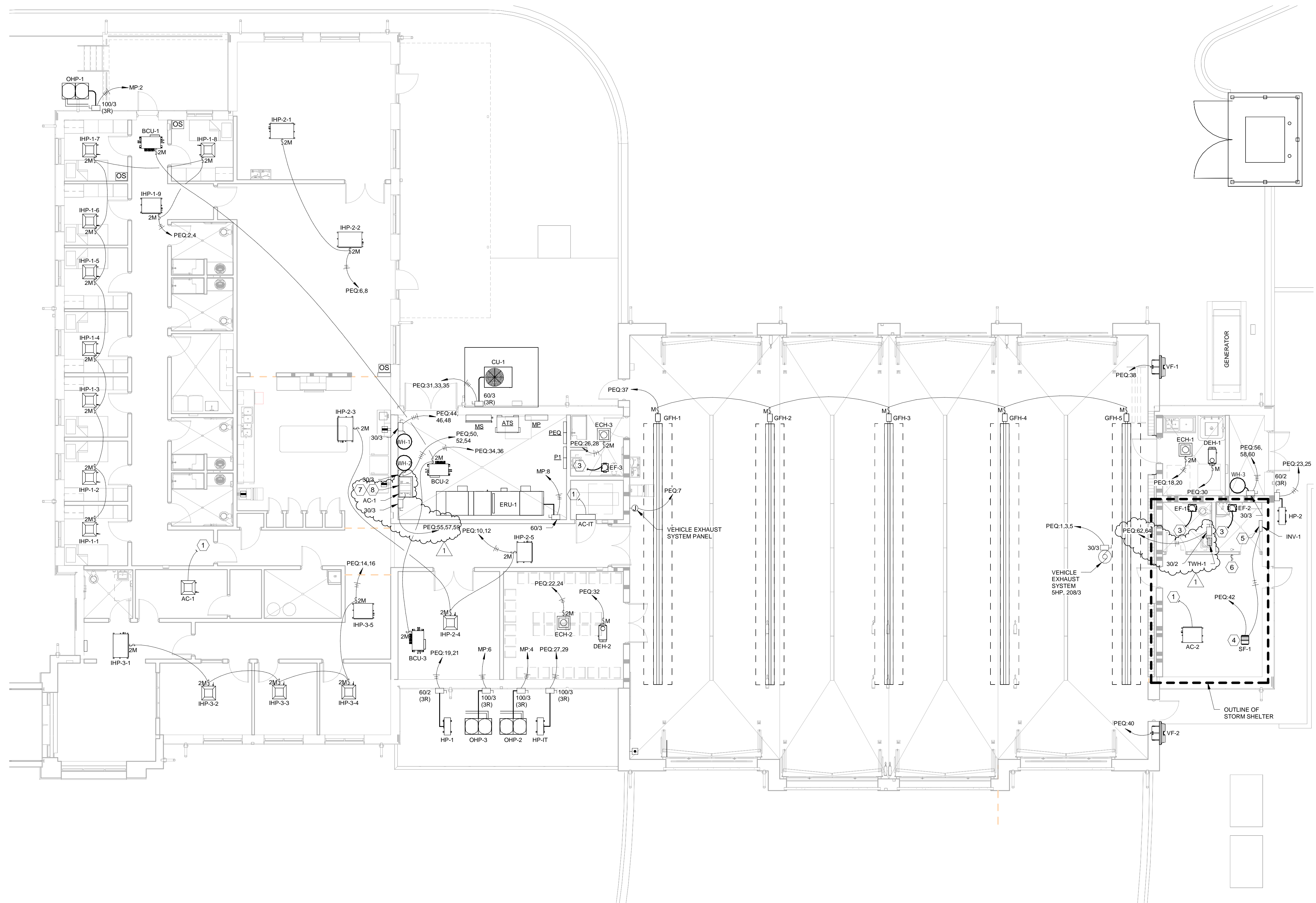
100% CD'S

IRONDALE FIRE STATION #3
 INT. OF JOHN ROGERS DRIVE & ALTON ROAD
 Birmingham, Alabama
 CITY OF IRONDALE

CHARLES WILLIAMS & ASSOCIATES ARCHITECTS
 PH: 205-250-0700
 BIRMINGHAM, ALABAMA 35222
 FAX: 205-250-0515

SHEET TITLE:
Level 1 Plan - Equipment Connections
 PROJECT NUMBER:
CWA No. 2023-01
 DATE:
08.30.24
 DRAWN BY: JLB
 CHECKED BY: JLB

SHEET NUMBER
E204



Level 1 Plan - Equipment Connections
 1/8" = 1'-0"

PLAN NOTES THIS SHEET:

- INDOOR UNIT RECEIVES ITS POWER FROM ASSOCIATED OUTDOOR UNIT ON ROOF. PROVIDE 2#12, 1#12G-3/4"C. UP TO OUTDOOR UNIT AND CONNECT EACH END AS REQUIRED. CIRCUIT TO BE ROUTED ADJACENT TO REFRIGERANT PIPING AND CONNECTED THROUGH 2 POLE HORSEPOWER RATED SWITCH AS SHOWN.
- JUNCTION BOX WITH 120 VOLT POWER FOR IONIZER (120V.) AT HVAC UNIT. CONNECT TO NEAREST 120V. RECEPTACLE CIRCUIT IN AREA WITH 2#12, 1#12G-3/4"C. COORDINATE WITH THE HVAC CONTRACTOR AND MAKE ALL WIRING CONNECTIONS AS REQUIRED. PROVIDE HORSEPOWER RATED THERMAL SWITCH AT EACH LOCATION.
- FAN CONNECTED TO LOCAL LIGHTING CIRCUIT NOTE.
- SUPPLY FAN TO BE CONTROLLED VIA ON-OFF SWITCH AND INVERTER INV-1.
- 1500 WATT INVERTER INV-1 (WITH EXTRA RUN TIME BATTERIES) MOUNTED ON WALL AS HIGH AS POSSIBLE. INVERTER SHALL PROVIDE EMERGENCY POWER TO SUPPLY FAN SF-1 (557 WATTS, 120V.). CALCULATED RUN TIME IS +120 MINUTES. DUAL LITE SERIES DLS-1500-120-120-20-2-ERT OE APPROVED EQUAL FAN TO BE CONTROLLED VIA SWITCH ON WALL. COORDINATE WITH THE MECHANICAL CONTRACTOR AS REQUIRED.
- ON-OFF SWITCH WITH PILOT LIGHT IN LOCKABLE COVER TO CONTROL SUPPLY FAN SF-1. COORDINATE EXACT LOCATION WITH THE MECHANICAL CONTRACTOR AS REQUIRED.
- AUTOMATIC CONDENSATE TRAP. CIRCUIT TO PANEL 'PEQ' CIRCUIT NUMBER 49. PROVIDE 2#12, 1#12G-3/4"C.
- IR HEATER. CIRCUIT TO PANEL 'PEQ' CIRCUIT NUMBERS 51 & 53. PROVIDE 2#12, 1#12G-3/4"C.

STORM SHELTER NOTES

CONTRACTOR SHALL INSTALL ALL CONDUITS ENTERING OR EXITING THE STORM SHELTER UNDERGROUND SO THAT THEY DO NOT PENETRATE STORM SHELTER WALLS OR CEILINGS TO THE GREATEST EXTENT POSSIBLE. ANY PENETRATIONS(S) REQUIRED IN THE STORM SHELTER SHALL BE LESS THAN 2" AND SHALL CONFORM TO ICC 500.

PANEL: PEQ		PANEL AMPS: 400 M.L.O.		VOLTAGE: 120 / 208, 3 PHASE, 4 WIRE, 60 HZ		MOUNTING: SURFACE							
TYPE: BQL		MAIN TYPE: N/A		AIC RATING: 22,000		NEMA RATING: NEMA 1							
SOLID BREAKER RATING: 100%		GROUND BUS: 100%		CALC FAULT CURRENT: 22,000		LOCATION: ELECTRICAL ROOM							
BREAKER FEATURES: GF = GROUND FAULT CIRCUIT INTERRUPTER; ST = SHUNT TRIP; TH = TIE HANDLE		AF = ARC FAULT CIRCUIT INTERRUPTER; LO = LOCK-ON DEVICE				FED FROM: PANEL MP - 250/3 BKR							
CKT NO	BREAKER	LOAD TYPE	DESCRIPTION	WIRE SIZE	CKT LOAD	PHASE			DESCRIPTION	LOAD TYPE	BREAKER	CKT NO	
						A	B	C					
1		EQUIP			2100	2526		426	#12	HP-1,2,3,4,5,6,7,8,9	A/C	202	2
3	30/3	EQUIP	VEHICLE EXHAUST SYSTEM	#10	2100	2526		426	#12		A/C	202	4
5		EQUIP			2100						A/C		6
7	20/1	RCPT	VEHICLE EXHAUST SYSTEM PANEL	#12	1000	1707		707	#12	HP-2-1,2	A/C	202	8
9	20/1	SPARE					626	626	#12	HP-2-3,4,5	A/C	202	10
11	20/1	SPARE					666	666	#12	HP-2-3,4,5	A/C	202	12
13	20/1	SPARE					666	666	#12	HP-2-3,4,5	A/C	202	14
15	30/2	MTR	SEPTIC TANK CONTROL PANEL	#10	2400		3066	666	#12	HP-3-1,2,3,4,5	A/C	202	16
17		MTR			2400		4150	1750	#12	ECH-1	HTG	202	18
19	20/2	A/C	HP-1	#12	749	2499		1750	#12	ECH-1	HTG	202	20
21		A/C			749	3249		2500	#10	ECH-2	HTG	30/2	22
23	20/2	A/C	HP-2	#12	1414		3914	2500	#10	ECH-2	HTG	202	24
25		A/C			1414	3184		1750	#12	ECH-3	HTG	202	26
27	20/2	A/C	HP-1T	#12	915		2865		#12	ECH-3	HTG	202	28
29		A/C			915		2067	1152	#12	DEH-1	EQUIP	20/1	30
31		A/C			3936	5088		1152	#12	DEH-2	EQUIP	20/1	32
33	50/3	A/C	CU-1	#12	3936		4119	183	#12	BCU-1,2,3	EQUIP	20/2	34
35		A/C			3936			183	#12	BCU-1,2,3	EQUIP	20/2	36
37	20/1	EQUIP	GFH-1,2,3,4,5	#12	864	2400		1536	#12	VF-1	MTR	20/1	38
39		SPACE					1536		#12	VF-2	MTR	20/1	40
41		SPACE					557		#12	SF-1	MTR	20/1	42
43		MISC			1000	6000		5000	#12	WH-1	WTR HTR	60/3	44
45	20/3	MISC	DECON WASHER	#12	1000		6000	5000	#12	WH-1	WTR HTR	60/3	46
47		MISC			1000		6000	5000	#12	WH-1	WTR HTR	60/3	48
49	20/1	MTR	CONDENSATE TRAP PUMP	#12	200	5200		5000	#12	WH-2	WTR HTR	60/3	50
51	20/2	MISC	IR DRYER	#12	1200		6200	5000	#12	WH-2	WTR HTR	60/3	52
53		MTR			1200		6200	5000	#12	WH-2	WTR HTR	60/3	54
55		MTR			2100	7100		5000	#12	WH-3	WTR HTR	60/3	56
57	30/3	MTR	AR COMPRESSOR AC-1	#10	2100		7100	5000	#12	WH-3	WTR HTR	60/3	58
59		MTR			2100		7100	5000	#12	WH-3	WTR HTR	60/3	60
61						2500		2500	#10	TWH-1	WTR HTR	30/2	62
63													64
65													66
67													68
69													70
71													72
73													74
75													76
77													78
79													80
81													82
83													84
PHASE TOTALS						38850	39587	37540					

PANEL: P1		PANEL AMPS: 300 M.L.O.		VOLTAGE: 120 / 208, 3 PHASE, 4 WIRE, 60 HZ		MOUNTING: SURFACE							
TYPE: BQL		MAIN TYPE: N/A		AIC RATING: 18,000		NEMA RATING: NEMA 1							
SOLID NEUTRAL: 100%		GROUND BUS: 100%		CALC FAULT CURRENT: 18,000		LOCATION: ELECTRICAL RM							
BREAKER FEATURES: GF = GROUND FAULT CIRCUIT INTERRUPTER; ST = SHUNT TRIP; TH = TIE HANDLE		AF = ARC FAULT CIRCUIT INTERRUPTER; LO = LOCK-ON DEVICE				FED FROM: PANEL MP - 250/3 BKR							
CKT NO	BREAKER	LOAD TYPE	DESCRIPTION	WIRE SIZE	CKT LOAD	PHASE			DESCRIPTION	LOAD TYPE	BREAKER	CKT NO	
						A	B	C					
1	20/1	LTG	LIGHTS	#12	1200				1000	#12	REFRIGERATOR	20/1	2
3	20/1	LTG	LIGHTS	#12	1200		2200		1000	#12	REFRIGERATOR	20/1	4
5	20/1	LTG	LIGHTS	#12	1200				1000	#12	REFRIGERATOR	20/1	6
7	20/1	LTG	LIGHTS	#12	1200	2800		2200	1600	#12	COFFEE BREWER	20/1	8
9	20/1	LTG	LIGHTS	#12	1200		1950		750	#12	ICE MACHINE	20/1	10
11	20/1	LTG	BUILDING MOUNTED LIGHTS	#12	600			2100	1500	#12	KITCHEN APPLIANCE	20/1	12
13	20/2	LTG	PARKING LOT LIGHTS	#8	1000	2500			1500	#12	KITCHEN APPLIANCE	20/1	14
15		LTG			1000		2500		1500	#12	MICROWAVE	20/1	16
17	20/1	LTG	FLAG POLE LIGHTS	#12	360			1560	1200	#12	DISHWASHER	20/1	18
19	20/1	LTG	BUILDING MOUNTED LIGHTS	#12	1000	2500			1500	#12	KITCHEN APPLIANCE	20/1	20
21	20/1		SPARE				1500		1500	#12	KITCHEN APPLIANCE	20/1	22
23	20/1	RCPT	CORRIDOR C1-4 RECEP	#12	900			2400	1500	#10	RANGE	20/1	24
25	20/1	RCPT	RESTROOM RECEP	#12	360	1860			1500	#12	RANGE	20/1	26
27	20/1	RCPT	WASHER	#12	500		1040		500	#12	CORRIDOR C1-2 RECEP	20/1	28
29	30/2	GF1	RCPT	#10	1500			2220	720	#12	CORR. WATCH, EMS RECEP	20/1	30
31		RCPT	DRYER	#10	1500	2220			720	#12	OFFICE 109 RECEP	20/1	32
33	20/1	RCPT	LAYNDRY RECEP	#12	540		1280		720	#12	OFFICE 110 RECEP	20/1	34
35	20/1	RCPT	RESTROOM RECEP	#12	360			900	540	#12	ENTRY, TOILET RECEP	20/1	36
37	20/1	RCPT	EXERCISE RECEP	#12	540	1080			540	#12	MECH/ELEC RECEP	20/1	38
39	20/1	RCPT	EXERCISE RECEP	#12	360		1080		720	#12	CORR. STOR., BUNKER RECEP	20/1	40
41	20/1	RCPT	EXERCISE RECEP	#12	540			1040	500	#12	APP. BAY WATER COOLER	20/1	42
43	20/1	RCPT	APP. BAY RECEP	#12	540	1440			900	#12	DORM 1 RECEP	20/1	44
45	20/1	RCPT	APP. BAY RECEP	#12	540		1440		900	#12	DORM 2 RECEP	20/1	46
47	20/1	RCPT	CORD REELS	#12	900			1800	900	#12	DORM 3 RECEP	20/1	48
49	20/1	RCPT	CORD REELS	#12	600	1500			900	#12	DORM 4 RECEP	20/1	50
51	20/1	RCPT	MOTORIZED DOOR	#12	500		1400		900	#12	DORM 5 RECEP	20/1	52
53	20/1	RCPT	MOTORIZED DOOR	#12	500		1400		900	#12	DORM 6 RECEP	20/1	54
55	20/1	RCPT	MOTORIZED DOOR	#12	500	1400			900	#12	DORM 7 RECEP	20/1	56
57	20/1	RCPT	MOTORIZED DOOR	#12	500		1400		900	#12	DORM 8 RECEP	20/1	58
59	20/1	RCPT	MOTORIZED DOOR	#12	500		1220	1220	720	#12	DAY ROOM FLOOR RECEP	20/1	60
61	20/1	RCPT	MOTORIZED DOOR	#12	500	1500			1000	#12	WALL MOUNTED SIGNAGE	20/1	62
63	20/1	RCPT	MOTORIZED DOOR	#12	500		1220		720	#12	WATCH RECEP	20/1	64
65	20/1	RCPT	MOTORIZED DOOR	#12	500		1220	1220	720	#12	WATCH RECEP	20/1	66
67	20/1	RCPT	EXTERIOR RECEP	#12	540	720			180	#12	DECON RECEP	20/1	68
69	20/1	RCPT	EXTERIOR RECEP	#12	360		720		360	#12	TBB RECEP	20/1	70
71	20/1	RCPT	GEAR, STOR. EXT. RECEP	#12	720			1080	360	#12	TBB RECEP	20/1	72
73	20/1	RCPT	TOILET, JAN. RECEP	#12	360	720			360	#12	TBB RECEP	20/1	74
75	20/1	RCPT	STORM SHELTER RECEP	#12	720		1440		720	#12	DAY ROOM RECEP	20/1	76
77	20/1	MTR	CEILING FANS	#12	600			1500	500	#12	DAY ROOM RECEP	20/1	78
79	20/1	MTR	CEILING FANS	#12	800	1300			500	#12	WATER COOLER	20/1	80
81	20/1	LTG	BLDG MOUNTED SIGNAGE	#12	1000		1000						82
83	20/1	LTG	BLDG MOUNTED SIGNAGE	#12	1000			1000					84
PHASE TOTALS						23740	20150	21640					

PANEL: MP		PANEL AMPS: 800 M.L.O.		VOLTAGE: 120 / 208, 3 PHASE, 4 WIRE, 60 HZ		MOUNTING: SURFACE							
TYPE: CCB		MAIN TYPE: N/A		AIC RATING: 42,000		NEMA RATING: NEMA 1							
SOLID NEUTRAL: 100%		GROUND BUS: 100%		CALC FAULT CURRENT: 42,000		LOCATION: ELECTRICAL ROOM							
BREAKER FEATURES: GF = GROUND FAULT CIRCUIT INTERRUPTER; ST = SHUNT TRIP; TH = TIE HANDLE		AF = ARC FAULT CIRCUIT INTERRUPTER; LO = LOCK-ON DEVICE				FED FROM: MAN SWITCH MS							
CKT NO	BREAKER	LOAD TYPE	DESCRIPTION	WIRE SIZE	CKT LOAD	PHASE			DESCRIPTION	LOAD TYPE	BREAKER	CKT NO	
						A	B	C					
1	250/3	PANEL	PANEL P1	#250MCM, 1#4G-3"	23740	27964		4224	#4-	OHP-1	A/C	70/3	2
		PANEL	PANEL PEQ	#500MCM, 1#4G-3 1/2"	20150	24374		4224	#4-	OHP-2	A/C	90/3	4
		PANEL	PANEL PEQ	#500MCM, 1#4G-3 1/2"	21640	25864		4224	#4-	OHP-3	A/C	70/3	6
3	400/3	PANEL	PANEL PEQ	#500MCM, 1#4G-3 1/2"	38850	44228		5376	#4-	ERU-1	A/C	60/3	8
		PANEL	PANEL PEQ	#500MCM, 1#4G-3 1/2"	39587	44963		5376	#4-		A/C		