

Addendum Number 1, August 31, 2023

RE: Mobile Civic Center parking Facility
Mobile, Alabama
C-085-22

FROM: Evan Terry Associates, LLC
One Perimeter Park South, Suite 200S
Birmingham, Alabama 35243

TO: All Planholders

This Addendum forms a part of and modifies the Construction Documents for the above project. Receipt of this Addendum shall be acknowledged in the submission of a proposal to the Owner. The Addendum will be issued to Registered Bidders.

This Addendum consists of additions to the existing contract documents dated June 30, 2022, as follows:
This Addendum consists of Three (3) pages with attachments.

GENERAL

The location for the Pre-Bid Conference has moved to the **MOBILE CIVIC CENTER ROOM 16, 401 Civic Center Drive, Mobile AL 36606.**

RESPONSE TO RFI's

ITEM 01 Refer to the structural drawings, specifically the concrete retaining wall at the ramp. Footings are not required – wall spans between pile caps.

CHANGES TO SPECIFICATIONS

- ITEM 01 Refer to Specification Section 00 01 10 Table of Contents and delete in its entirety. In lieu thereof, insert the attached.
- ITEM 02 Add Specification Section 00 10 00 Invitation to Bid to the Specifications.
- ITEM 03 Add Specification Section 01 45 30 01 Special Inspections Schedule IBC.
- ITEM 04 Refer to Specification Section 07 42 13.23 Metal Composite Material Wall Panels and delete in its entirety. In lieu thereof, insert the attached revised Section 07 42 13.23 Metal Composite Material Wall Panels. Change is to delete testing for wall panel system.
- ITEM 05 Concrete Piling Foundation Proposal Form to be completed and submitted with bid proposal.
- ITEM 06 Refer to the specifications and add section 00 22 00 Supplementary Instruction to Bidders, copy which is attached hereto.

- ITEM 07 Refer to the Specifications and add section 00 60 06 AIA G706 Contractors Affidavit of Payment of Debts and Claims, copy which is attached hereto.
- ITEM 08 Refer to the specifications and delete Section 01 25 00 Substitution Procedures.
- ITEM 09 Refer to the specifications and delete Section 01 60 00 Product Requirements.
- ITEM 10 Refer to the specifications and delete Section 03 05 16 Under Slab Vapor Barrier.

CHANGES TO THE DRAWINGS

- ITEM 01 Refer to the drawings and delete drawings F2.10, F2.20, F2.30, F2.40, F2.50, F2.60, P0.01 and P2.10. Insert revised drawings F2.10, F2.20, F2.30, F2.40, F2.50, F2.60, P0.01 and P2.10, copies which are attached hereto. Changes as follow:

Refer to Sheet F2.10 – LAYOUT PLAN – LEVEL 1 – OVERALL FIRE PROTECTION – dated AUGUST 25, 2023:

ADDED "From Stair Landing" to clouded tags.

MOVED clouded 4" Dry Standpipe W/ 2-1/2" FDV 60"AFF from column to stair cases on all corners of parking deck.

Refer to Sheet F2.20 – LAYOUT PLAN – LEVEL 2 – OVERALL FIRE PROTECTION – dated AUGUST 25, 2023:

MOVED clouded 4" Dry Standpipe W/ 2-1/2" FDV 60"AFF from column to stair cases on all corners of parking deck.

Refer to Sheet F2.30 – LAYOUT PLAN – LEVEL 3 – OVERALL FIRE PROTECTION – dated AUGUST 25, 2023:

MOVED clouded 4" Dry Standpipe W/ 2-1/2" FDV 60"AFF from column to stair cases on all corners of parking deck.

Refer to Sheet F2.40 – LAYOUT PLAN – LEVEL 4 – OVERALL FIRE PROTECTION – dated AUGUST 25, 2023:

MOVED clouded 4" Dry Standpipe W/ 2-1/2" FDV 60"AFF from column to stair cases on all corners of parking deck.

Refer to Sheet F2.50 – LAYOUT PLAN – LEVEL 5 – OVERALL FIRE PROTECTION – dated AUGUST 25, 2023:

MOVED clouded 4" Dry Standpipe W/ 2-1/2" FDV 60"AFF from column to stair cases on all corners of parking deck.

Refer to Sheet F2.50 – LAYOUT PLAN – LEVEL 5 – OVERALL FIRE PROTECTION – dated AUGUST 25, 2023:

MOVED clouded 4" Dry Standpipe W/ 2-1/2" FDV 60"AFF from column to stair cases on all corners of parking deck.

Refer to Sheet F2.60 – LAYOUT PLAN – LEVEL 6 – OVERALL FIRE PROTECTION – dated AUGUST 25, 2023:

MOVED clouded 4" Dry Standpipe W/ 2-1/2" FDV 60"AFF from column to stair cases on all corners of parking deck.

Refer to Sheet P0.01 – LEGENDS, NOTES, AND SCHEDULES - PLUMBING – dated AUGUST 25, 2023:

REVISED detail 6.

Refer to Sheet P2.10 – LAYOUT PLAN – LEVEL 1 – OVERALL PLUMBING – dated AUGUST 25, 2023:

- A. **REVISED** CW pipe size going to site from 1-1/2" to 2-1/2".
- B. **REVISED** CW entry tag.

- ITEM 02 Refer to the drawings and delete the cover sheet and insert the revised cover sheet, copy which is attached hereto.
- ITEM 03 Refer to the drawings and delete drawings S1.01, S2.11, S2.12, S3.01, S5.01, and S5.02 and insert the revised drawings S1.01, S2.11, S2.12, S3.01, S5.01, and S5.02, copy which is attached hereto.
- ITEM 04 Refer to the drawings and delete drawings E0.01, E0.02, E0.03, E0.05, E0.06, E0.07, E0.08, E0.09, E1.00, E2.10A, E2.10B, E2.30A, E2.30B, E2.50A, E2.50B, E2.60A, E2.60B and E3.00 and insert the revised drawings E0.01, E0.02, E0.03, E0.05, E0.06, E0.07, E0.08, E0.09, E1.00, E2.10A, E2.10B, E2.30A, E2.30B, E2.50A, E2.50B, E2.60A, E2.60B and E3.00, copy which is attached hereto.

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SECTION 00 10 00
INVITATION TO BID

You are invited to submit a sealed bid for construction of the following facility:

PROJECT NAME: Mobile Civic Center Parking Facility
PROJECT LOCATION: 200 South Claiborne Street, Mobile, Alabama 36602
PROJECT NUMBER: CC-085-22

1. BID DATE:

- A. Sealed Bids will be received and clocked in until **2:15 PM** local time, **Wednesday, the 27th day of September 2023** in the office of the City Clerk, Government Plaza, 9th Floor South Administrative Tower, 205 Government Street, Mobile, Alabama 36602.
- B. All Bids not clocked in at the City Clerk's Office prior to the time specified, or Bids received after the specified time, will be automatically rejected and returned immediately, unopened.
- C. Bids will be publicly opened and read at **2:30 PM** local time, in the Atrium Lobby of Government Plaza.

2. SPECIFICATIONS AND DRAWINGS:

- A. Specifications and Drawings are on file and may be examined and obtained from the following location: <https://www.cityofmobile.org/bids/>
- B. Bidders shall use complete sets of Bid Documents in preparing their bid. Neither the Owner nor Architect/Engineer assumes responsibility for errors or misinterpretations resulting from the use of incomplete sets of Bid Documents.
- C. All Addenda will be posted to the following location: <https://www.cityofmobile.org/bids/>
- D. This is a tax exempt project and shall be certified by the requirements of the Alabama Department of Revenue. Bidders shall NOT include sales and use taxes with their bid amounts. Bidders shall complete the Sales Tax Form C-3A and include it as an attachment to their Bid Form (see Section 00400).

3. BID SURETY: Required on Bids \$10,000.00 or more

- A. A Cashier's Check drawn on a bank registered to do business in the State of Alabama and which is a member of the Federal Deposit Insurance Corporation, or a Bid Bond payable to Owner, City of Mobile, in the amount of 5% of the Base Bid, but in no event more than \$10,000.00 is required to accompany Bid.
- B. Bid Bond must be issued by a Surety licensed to do business in the State of Alabama. Bidder shall require the attorney in fact who executes the required bonds on behalf of the surety to affix to the bond a certified and current copy of the power of attorney.
- C. No Bid may be modified, withdrawn, or canceled for a period of sixty (60) days after the time designated above for receipt of bids.
- D. The City of Mobile will have sixty (60) days from the bid opening date to award contract.

4. SURETY QUALIFICATIONS:

- A. A Surety authorized to do business in the State of Alabama must issue Bonds.
- B. If the Base Bid is \$50,000 or more, the Surety must have a minimum rating of A/Class VI as reported by the latest issue of Best Key Rating Guide Property-Casualty published by Alfred M. Best Company, Inc.

5. IRREGULARITIES AND REJECTION:

- A. The City of Mobile reserves the right to waive irregularities in the Bid and in Bidding, and to reject any or all Bids.

6. BIDDER QUALIFICATIONS:

- A. Bids for Work costing \$50,000 or more must be licensed pursuant to current Alabama law and of classifications compliant with the State of Alabama Licensing Board for General Contractors. Note that if the contract amount is \$10,000 or greater, both a Performance Bond and a Labor and Material Payment Bond shall be required. **Before Bidding, Contractor shall verify their license classification of their General Contractors license with the State of Alabama Licensing Board for General Contractors to verify classification is acceptable to perform 51% of the Scope of Work.**
- B. In case of a joint venture of two or more Contractors, the amount for the bid shall be within the maximum bid limitations as set by the State of Alabama Licensing Board for General Contractors of at least one of the partners to the joint venture.

7. NON-RESIDENT CONTRACTORS:

- A. Except for contracts funded in whole or part with funds received from a federal agency, preference shall be given to resident Contractors on the same basis as the nonresident Contractor's state awards contracts to Alabama Contractors bidding in similar circumstances.
- B. Nonresident Bidders shall, prior to submitting a bid, be registered with the Alabama Secretary of State and the Alabama Department of Revenue. Provide the Secretary of State Business "Entity ID Number" on the Bid Form in the space provided.

8. PRE-BID CONFERENCE:

- A. A Pre-Bid Conference shall be held on **Monday, August 28 2023** at 10:00 AM local time. The conference will include a walkthrough of the site location. Conference shall commence in the City of Mobile's A/E Conference Room, 5th Floor, South Tower, 205 Government Street, Mobile, Alabama 36602.
- B. Minutes of this conference will be made as an Addendum for the project.

9. BID SUBMITTAL:

- A. Bids must be submitted on copies of the Bid Forms furnished in the bidding documents.
- B. Bid, with Bid Security, Sales Tax Form C-3A and other supporting data specified, shall be contained in a sealed, opaque envelope, approximately 9x12 inches or larger and be marked on the outside with the words "**SEALED BID FOR MOBILE CIVIC CENTER – PARKING FACILITY - PROJECT NUMBER: CC-085-22**".

- C. The Bid envelope shall be clearly addressed to the Owner as indicated on the Bid Form and include the bid date, the name, address and State License number and classification of the Bidder issued by the State of Alabama Licensing Board for General Contractors.
- D. All Bids of \$50,000 or more must include the bidder's State of Alabama General Contractor's License information written on the outside of the bid envelope. Any bid submitted without such license information may be rejected and returned to the bidder unopened.
- E. In addition, in large letters on both front and back of envelope, write the following: **DO NOT OPEN UNTIL TWO-THIRTY PM, OCTOBER 4, 2023.**
- F. For a bid to be valid it shall be delivered at designated location prior to time and date for receipt of Bids indicated in INVITATION TO BID, or prior to any extension thereof issued to Bidders. After that time no Bid will be received or withdrawn.
- G. When sent by mail, preferably special delivery, express service, or registered mail, the sealed Bid, marked as indicated above, shall be enclosed in another envelope for mailing such that the exterior mailing container or envelope may be opened without revealing the contents of the Bid. It is the Contractors responsibility to assure delivery of the bid to the City Clerk's Office prior the time and date established.

10. EQUAL OPPORTUNITY:

- A. The City of Mobile, Alabama is an Equal Opportunity Employer and requires that all Contractors comply with the Equal Employment Opportunity laws and the provisions of the Bid Documents in this regard.
- B. The City of Mobile also encourages and supports the utilization of Minority Business Enterprises on these and all other publicly solicited Bids, and shall be in compliance with the City of Mobile's Minority Utilization Plan as adopted by the City Council.
- C. Contractor shall provide an appropriately completed copy of the "City of Mobile Subcontracting and Major Supplier Plan" in the envelope with their Bid Form. Form shall document DBE Subcontractors participating in the project and, should the total % of DBE participation not meet the 15% minimum, all efforts to obtain DBE Subcontractors shall be documented on or attached to the DBE Form when submitted. During construction, contractors are required to submit a "DBE Utilization Report" with every Pay Application.
- D. Contractors should contact the City of Mobile, Supplier Diversity Manager for assistance with DBE Subcontractor information and any questions regarding the DBE Compliance Forms. Contact Archnique Kidd at 251-208-7967.

11. ADDITIONAL BIDDING PROCEDURES:

- A. Refer to the complete information in the Bid Documents prior to submitting a bid. Additional Bidding Procedure information is contained therein, particularly in the specification Section 00 21 00 "Instructions to Bidders - AIA Document A701" and in the specification Section 00 22 00 "Supplementary Instructions to Bidders".

12. STATE OF ALABAMA IMMIGRATION ACT

"The State of Alabama, under the Beason-Hammon Alabama Taxpayer and Citizen Protection Act, Act No. 2011-535, Alabama Code Section 31-13-1, et. Seq., requires:

- A. That the Contractor shall be enrolled in the E-Verify Program, shall participate in that Program during the performance of the contract, and shall verify the immigration status of every employee who is required to be verified, according to the applicable federal rules and regulations; and
- B. That it will attach to the contract the company's documentation of enrollment in E-Verify.
- C. The subcontractor must also enroll in the E-Verify Program prior to performing any work on the contract and shall attach to its sworn affidavit documentation establishing that the subcontractor is enrolled in the E-Verify Program.

13. PUBLIC CONTRACTS WITH ENTITIES ENGAGING IN CERTAIN BOYCOTT ACTIVITIES

- A. By signing this contract, Contractor further represents and agrees that it is not currently engaged in, nor will it engage in, any boycott of a person or entity based in or doing business with a jurisdiction with which the State of Alabama can enjoy open trade.

END OF SECTION

SECTION 00 22 00
SUPPLEMENTARY INSTRUCTIONS TO BIDDERS

THE ATTENTION OF ALL BIDDERS IS CALLED TO THE FOLLOWING INSTRUCTIONS AND CONDITIONS:

1. BIDDING DOCUMENTS

- A. Bidders may obtain complete sets of Bid Documents and Specifications (Project Manual) from the Department of Architectural Engineering as listed in the Invitation to Bid.
- B. Bidders shall use the complete set of documents in preparing their bid. The City of Mobile assumes no responsibility for errors or misinterpretations resulting from use of an incomplete set of documents.

2. INTERPRETATION OF BID DOCUMENTS:

- A. Bidders shall carefully study and compare the Bidding Documents and compare various components of the Bidding Documents with each other, shall examine the site and local conditions and shall at once report to the Project Manager any errors, inconsistencies or ambiguities discovered.
- B. Bidders requiring clarification or interpretation of the Bidding Documents shall make a written request to the Project Manager by 12:00 PM at least five (5) calendar days prior to the date for receipt of Bids. E-mail requests are required and should be addressed to **gregg.blaise@cityofmobile.org**
- C. Interpretations, corrections, and changes to the Bidding Documents will be made by a formal, written Addendum. Interpretations, corrections, and changes to the Bidding Documents made in any other manner will not be binding, and Bidders shall not rely on them.
- D. Any discrepancy not resolved prior to Bidding shall be bid by the Contractor to provide for the costliest and/or restrictive interpretation of the documents.

3. BIDDING PROCEDURES:

- A. No Bid will be considered unless made out and submitted on a copy of the Bid Form as set forth by the Bid Documents.
- B. All blanks on the Bid Form shall be legibly executed in a non-erasable medium.
- C. Sums shall be expressed in both words and figures. In case of discrepancy, the amount written in words shall govern.
- D. Interlineations, alterations, and erasures must be initialed by the signer of the Bid.
- E. All requested Alternates, Unit Prices and Allowances shall be bid as indicated on the Bid Form and the Bid Documents.

- F. Addenda shall be considered as a part of the Bid Documents and those issued prior to the opening of Bids shall be acknowledged on the Bid Form and any adjustment in cost shall be included in the Contract Sum.

4. BID SECURITY:

- A. A Cashier's Check drawn on a bank registered to do business in the State of Alabama and which is a member of the Federal Deposit Insurance Corporation, or Bid Bond payable to Owner, City of Mobile, in the amount of 5% of the Base Bid, but in no event more than \$10,000.00, must accompany bid. By submitting a Bid Security, the Bidder pledges to enter into a Contract with the City of Mobile on the terms stated in the Bid, and will, if required, furnish bonds covering faithful performance of the Contract and required insurance certificate. Should the Bidder refuse to enter into such Contract or fail to furnish such bonds or insurance or any other required document, the amount of the Bid security shall be forfeited to the Owner as liquidated damages, not as a penalty.
- B. Bid Bond shall be valid for a minimum of sixty (60) days from the date of the Bid. The Owner reserves the right to retain the security of all Bidders until the successful Bidder enters into the Contract or until (60) days after Bid opening, whichever is sooner.
- C. Bonds must be issued by a Surety licensed to do business in the State of Alabama. If the project cost is more than \$50,000.00 the Surety must have a minimum rating of A/Class VI as reported by the latest issue of Best's Key Rating Guide Property-Casualty published by Alfred M. Best Company, Inc.
- D. Power of Attorney is required for all Bonds.
- E. The Surety company shall be required to execute AIA Document G-707, "Consent of Surety to Final Payment" prior to Final Payment of retainage being made to the Contractor.

5. EXAMINATION OF DOCUMENTS AND SITE WORK:

- A. Before submitting a Bid, Bidders should carefully examine the Bid Documents, visit the site of the Work, including attendance at the Pre-Bid conference, fully inform themselves as to existing conditions and limitations, and include in the Bid a sum to cover the cost of all items included in the Contract and necessary to perform the Work. The submission of a Bid will be considered as conclusive evidence that the Bidder has made such examination.

6. SUBMISSION OF BIDS:

- A. Bid, with Bid Security, Sales Tax Form C-3A, and other supporting data specified, shall be contained in a sealed, opaque envelope, approximately 9x12 inches or larger and be marked on the outside with the words "**SEALED BID FOR MOBILE CIVIC CENTER – PARKING FACILITY, PROJECT NUMBER: CC-085-22**", the Bid Date, and Contractor's

name, address, and City of Mobile Business License number. And, if bidding in an amount \$50,000 or greater, the State of Alabama General Contractor's License number and classification of the Bidder issued by the State of Alabama Licensing Board for General Contractors shall be written on the envelope.

- B. Bids shall be deposited at the designated location prior to the time and date for receipt of Bids. Bids received after the time and date specified in the Invitation to Bid, or as modified by Addendum, will not be considered. Late Bids will be returned to the Bidder unopened.
- C. The Bidder shall assume full responsibility for timely delivery at the location designated for receipt of Bids.
- D. Oral, telephonic, facsimile, or other electronically transmitted bids will not be considered.

7. MODIFICATION OR WITHDRAWAL OF BIDS:

- A. A Bid may not be modified, withdrawn, or canceled by the Bidder for a period of sixty (60) days following the time and date designated for receipt of bids, and each Bidder so agrees in submitting a Bid.

8. CONSIDERATION AND AWARD OF BIDS:

- A. At the discretion of the City, the properly identified Bids received on time will be publicly opened and will be read aloud.
- B. The City shall have the right to reject all Bids. A Bid not accompanied by a required Bid security or a Bid which is in any way incomplete, or irregular is subject to rejection.
- C. It is the intent of the City to award a Contract to the lowest qualified Bidder provided the Bid has been submitted in accordance with the requirements of the Bidding Documents and does not exceed the funds available. The City shall have the right to waive informalities and irregularities in a Bid received and to accept the Bid which, in the City's judgment, is in the City's best interest.
- D. The award shall be based on the lowest Total Bid for the Base Bid and any allowances, plus any alternates and/or options that may be accepted, as listed on the Bid Form.

9. PROOF OF COMPETENCY OF BIDDER:

- A. Bidders may be required to furnish evidence satisfactory to the City of Mobile that they have sufficient means and experience in the types of work called for to assure the completion of the Contract in a satisfactory manner.

10. SIGNING OF CONTRACT:

- A. The Standard Agreement between the City of Mobile and the Contractor, included herein, shall serve as the Agreement between the City and the Contractor.

- B. The Bidder to whom the Contract is awarded shall, within ten (10) calendar days of receiving the Contract Forms, properly execute and deliver to the Owner, the following items with the signed Agreement:
 - (1). Performance Bond and Labor and Material Payment Bond (originals);
 - (2). Certificate of Insurance (original) with endorsements to City of Mobile;
 - (3). Evidence of enrollment in the E-Verify program.
 - (4). Other documentation as required by the Contract Documents.
- C. Failure or refusal to sign the Agreement or to provide Certificates of Insurance in a form satisfactory to the City of Mobile, E-Verify verification, or other required documentation, shall subject the Bidder to immediate forfeiture of Bid Security.
- D. On all documents: City of Mobile Business License, the Alabama Secretary of State Business Identity, the Alabama Secretary of State Certificate of Authority (out of state contractors), E-verify documentation, and ACORD Insurance Form, the Contractor's name shall be EXACTLY the same.

11. NONDISCRIMINATION:

- A. Contractor shall comply with all Federal, State and local laws concerning nondiscrimination, including but not limited to City of Mobile Ordinance No. 14-034 which requires, inter alia, that all contractors performing work for the City of Mobile not discriminate on the basis of race, creed, color, national origin or disability, require that all subcontractors they engage do the same, and make every reasonable effort to assure that fifteen percent of the work performed under contract be awarded to socially and economically disadvantaged individuals and business entities.

12. AMERICANS WITH DISABILITIES ACT (ADA):

- A. Bidders shall comply with the provisions of the Americans with Disabilities Act (ADA) of 1990 which prohibits discrimination against individuals with disabilities.

13. USE OF DOMESTIC PRODUCTS:

- A. Section 39-3-1, Alabama Code, 1975, provides that the Contractor agree, in the execution of this Contract, to use materials, supplies and products manufactured, mined, processed or otherwise produced in the United States or its territories, if available at reasonable prices, and that breach of this Agreement by the Contractor shall result in the assessment of liquidated damages in an amount not less than \$500.00 nor more than twenty (20) percent of gross amount of the Contract Price.

14. NON-RESIDENT (OUT OF STATE) CONTRACTORS:

- A. Preference to Resident Contractors: Section 39-3-5, Code of Alabama, 1975, provides that a non-resident (out of State) bidder domiciled in a state which grants a preference to local Contractors is to be awarded a public contract on the same basis as the non-resident bidder's state awards contracts to Alabama bidders. Alabama bidders are given a preference to the same extent that a non-resident bidder receives a

preference in his home state. A non-resident bidder must include with any written bid documents a written opinion of an attorney licensed to practice in the non-resident bidder's state declaring what preferences, if any, exists in the non-resident's state.

- B. Certificate of Authority: All non-resident (out of State) bidders shall be registered with the Alabama Secretary of State and the Alabama Department of Revenue prior to submitting a Bid. Provide the Secretary of State Business "Entity ID Number" on the Bid Form in the space provided.

15. ALABAMA IMMIGRATION ACT:

- A. The State of Alabama Immigration Law (Act No. 2011-535 as amended by Act No. 2012-491), requires that Contractors not violate federal immigration law or knowingly employ, hire for employment, or continue to employ an unauthorized alien within the State of Alabama. In addition, Contractors are required to enroll in the federal E-Verify program and submit verification of enrollment to the City of Mobile within ten (10) days of receiving the contract forms (see Section 00 60 00).

16. CITY OF MOBILE BUSINESS LICENSE:

- A. A City of Mobile Business License is required and must be current at time of contract award and throughout contract period.

17. CITY OF MOBILE CONTRACTOR'S BUSINESS LICENSE:

- A. A City of Mobile Contractor's Business License is required and must be current when contractor signs the contract and throughout contract period.
- B. Contractor must qualify and post a \$10,000 surety bond with the Land Use/Code Administration Department before a Contractor's Business License will be issued by the Revenue Department. Information on the City Contractor's License may be obtained by writing or calling:

Land Use/Code Administration
P.O. Box 1827
Mobile, Alabama 36633-1827
Phone: 251-208-7421

Revenue Department
P.O. Box 1827
Mobile, Alabama 36633-1827
Phone: 251-208-7461

18. CITY OF MOBILE BUILDING PERMIT:

- A. A City of Mobile Building Permit, City of Mobile Development Permit AND Certificate of Appropriateness is required and shall be obtained from the Land Use/Code Administration Department, but at no cost to the Contractor.
- B. Contractor is responsible for ensuring that all inspections are successfully performed in accordance with City of Mobile regulations.

19. CONSTRUCTION SCHEDULE AND ACCESS:

- A. **The project shall be completed within Sixty (60) calendar days from the date indicated by the Notice to Proceed.**
- B. There shall be no interruption of service to the building during any scheduled event. Within five (5) days of the bid opening, the Apparent Low Bidder Contractor shall meet with the Owner to discuss Owner scheduling and priorities. Apparent Low Bidder shall then provide a proposed schedule within 5 calendar days of the initial meeting for Owner review and approval.
- C. Contractor shall have access to the site as approved by the Owner, but typically **seven days a week, 24 Hours per day**. Contractor is directed to coordinate all areas of work and scheduling with the Owner. After hours work will require prior approval of the Project Manager and may require hiring of a guard at the contractor's expense.
- D. The Contractor may be allowed additional construction days due to inclement conditions ("rain days") only as such are appropriately documented and are in excess of the NOAA/National Weather Service average (previous 5 years) for the given month. A "rain day" is defined as more than a "trace" (0.10") of rain falling within a given 24 hour period. The Contractor shall provide documentation and formally request any "rain days" they feel are legitimately due. Documentation shall be submitted to the Project Manager, in writing, within ten (10) calendar days of the rain event. Claim shall include documentation of trades adversely impacted and the impacted activities of each trade.

20. SITE CONSIDERATIONS:

- A. It is the Contractor's responsibility to carefully remove and store any items not permanently installed within the work areas. It is recommended that the Contractor photograph, videotape or in some manner document any features to be removed and their condition, prior to removal.
- B. Noise and strong smells shall be isolated or kept to a minimum when adjacent portions of the site are occupied.
- C. Contractor shall be responsible to leave the work area and adjacent site clear of equipment and debris, etc. at the end of each workday. All final cleaning is the responsibility of the Contractor and shall be executed prior to acceptance for reuse of any portion of the site.
- D. A dumpster and lay down area for Contractor materials and staging may be located at the site and located per the direction of the Owner. The Contractor is responsible for the removal of the dumpster, any storage containers and any security fencing, temporary erosion control (BMPs), etc. as soon as practical after their use by the Contractor or the work is complete.

21. SALES AND USE TAX EXEMPTION:

- A. As per the State of Alabama ACT 2013-205, the Alabama Department of Revenue (ADOR) has been granted the authority to issue a “Certificate of Exemption from Sales and Use Tax for Governmental Entities” on construction projects. Therefore, this project shall qualify for State of Alabama Sales and Use Tax Exemptions under this ACT. It is the responsibility of the Bidder to confirm the potential tax-exempt status of their bid with the ADOR and include any such savings in their bid, as well as accounting for same on their bid form attachment Sales Tax Form C-3A.
- B. The full text of ACT 2013-205 is available on the State of Alabama Building Commission website at www.bc.alabama.gov.

22. SUBMISSION OF LIEN WAIVERS:

- A. At each monthly Application for Payment submitted to the owner, the Contractor shall provide completed lien waivers, including those from Subcontractors and material suppliers.

23. NOTICE OF COMPLETION:

- A. For Contracts \$50,000 or greater:
Contractor shall provide proof of publication of Advertisement of Completion for four consecutive weeks in a local newspaper, as required in the Title 39, Section 39-1-1, Subsection (f), of the Code of Alabama. This Advertisement shall not begin until the Project has been accepted by the City of Mobile.
- B. Notice of Completion advertisement shall read as follows:

STATE OF ALABAMA

COUNTY OF MOBILE

NOTICE OF COMPLETION
In accordance with Chapter 1, Title 39, Code of Alabama, 1975, NOTICE IS HEREBY given that (COMPANY NAME) has completed the contract for Mobile Civic Center– Parking Facility- CC-085-22, Mobile, Alabama 36602. All persons having any claims for labor, material or otherwise in connection with this project should immediately notify the Architectural Engineering Department, City of Mobile, P.O. Box 1827, Mobile, Alabama 36633-1827.
- C. Advertisement shall not begin until the Project has been accepted by the City of Mobile as Substantially Complete.

24. CONTRACTOR WARRANTY AND CERTIFICATION:

- A. Upon completion of the contract, the Contractor shall certify under oath that all bills have been paid in full.

- B. Contractor shall provide a one-year Labor and Materials Warranty on company letterhead in addition to other warranties required by the Bid Documents.

25. LIQUIDATED DAMAGES

- A. A time charge equal to Two Hundred Fifty Dollars (\$250.00) per calendar day will be made against the Contractor for the entire period that any part of the Work remains uncompleted, or any required closeout documents are not acceptably submitted, for more than thirty (30) calendar days after the time specified for the Substantial Completion for the Work, the amount of which shall be deducted by the owner, and shall be retained by the Owner out of monies otherwise due the Contractor in the final payment, not as a penalty, but as liquidated damages sustained.

END OF SECTION



AIA[®] Document G706[™] – 1994

Contractor's Affidavit of Payment of Debts and Claims

PROJECT: *(Name and address)*

ARCHITECT'S PROJECT NUMBER:

OWNER:

ARCHITECT:

TO OWNER: *(Name and address)*

CONTRACT FOR: General Construction

CONTRACTOR:

CONTRACT DATED:

SURETY:

OTHER:

STATE OF:

COUNTY OF:

The undersigned hereby certifies that, except as listed below, payment has been made in full and all obligations have otherwise been satisfied for all materials and equipment furnished, for all work, labor, and services performed, and for all known indebtedness and claims against the Contractor for damages arising in any manner in connection with the performance of the Contract referenced above for which the Owner or Owner's property might in any way be held responsible or encumbered.

EXCEPTIONS:

SUPPORTING DOCUMENTS ATTACHED HERETO:

1. Consent of Surety to Final Payment. Whenever Surety is involved, Consent of Surety is required. AIA Document G707, Consent of Surety, may be used for this purpose

Indicate Attachment Yes No

CONTRACTOR: *(Name and address)*

The following supporting documents should be attached hereto if required by the Owner:

1. Contractor's Release or Waiver of Liens, conditional upon receipt of final payment.
2. Separate Releases or Waivers of Liens from Subcontractors and material and equipment suppliers, to the extent required by the Owner, accompanied by a list thereof.
3. Contractor's Affidavit of Release of Liens (AIA Document G706A).

BY:

(Signature of authorized representative)

(Printed name and title)

Subscribed and sworn to before me on this date:

Notary Public:

My Commission Expires:

Project Name City of Mobile Parking Deck
Project Address

During construction of the referenced project, it is intended that special inspection as outlined in Chapter 17 of the 2021 International Building Code be provided for by the owner. The following areas of work will require special inspection:

MATERIAL / ACTIVITY	FREQUENCY OF INSPECTION	INSPECTOR
A. Inspection of Steel per 1705.2		
1. Inspection of welding:		
a. Prior to welding:		
1. Welding procedure specifications available	Continuous	Testing Agent
2. Manufacturer certifications for welding consumables available	Continuous	Testing Agent
3. Material identification (type/grade)	Periodic	Testing Agent
4. Welder identification system	Periodic	Testing Agent
5. Fit-up of groove welds (including joint geometry)	Periodic	Testing Agent
6. Configuration and finish of access holes	Periodic	Testing Agent
7. Fit-up of fillet welds	Periodic	Testing Agent
b. During welding:		
1. Use of qualified welders	Periodic	Testing Agent
2. Control and handling of welding consumables	Periodic	Testing Agent
3. No welding over cracked welds	Periodic	Testing Agent
4. Environmental conditions	Periodic	Testing Agent
5. Welding specification procedure followed	Periodic	Testing Agent
6. Welding Techniques	Periodic	Testing Agent
c. After welding:		
1. Welds cleaned	Periodic	Testing Agent
2. Size, length, and location of welds	Continuous	Testing Agent
3. Welds meet visual acceptance criteria	Continuous	Testing Agent
4. Arc strikes	Continuous	Testing Agent
5. K-area	Continuous	Testing Agent
6. Backing removed and weld tabs removed	Continuous	Testing Agent
7. Repair activities	Continuous	Testing Agent
8. Document acceptance or rejection of welded joint or member	Continuous	Testing Agent
2. Inspection of high-strength bolting:		
a. Prior to bolting:		
1. Manufacturer's certifications available	Continuous	Testing Agent
2. Fasteners marked in accordance with ASTM requirements	Periodic	Testing Agent
3. Proper fasteners selected for the joint detail	Periodic	Testing Agent
4. Proper bolting procedure for the joint detail	Periodic	Testing Agent
5. Connecting elements meet applicable requirements	Periodic	Testing Agent
6. Pre-installation verification testing by installation personnel observed and documented for fastener assemblies and methods used	Periodic	Testing Agent

7. Proper storage provided for bolts, nuts, washers, and other fastener components	Periodic	Testing Agent
b. During bolting:		
1. Fastener assemblies placed in all holes and washers (if required) are positioned as required	Periodic	Testing Agent
2. Joint brought to the snug-tight condition prior to the pretensioning operation	Periodic	Testing Agent
3. Fastener component not turned by the wrench prevented from rotating	Periodic	Testing Agent
4. Fasteners are pretensioned in accordance with the RCSC specification progressing systematically from the most rigid point toward the free edges	Periodic	Testing Agent
c. After bolting:		
1. Document acceptance or rejection of bolted connections	Continuous	Testing Agent

MATERIAL / ACTIVITY	FREQUENCY OF INSPECTION	INSPECTOR
B. Inspection of Concrete per 1705.3		
1. Inspect reinforcement, including prestressing tendons, and verify placement.	Periodic	Testing Agent
2. Reinforcing bar welding:		
a. Verify weldability of reinforcing bars other than ASTM A706.	Periodic	Testing Agent
b. Inspect single-pass fillet welds, maximum 5/16".	Periodic	Testing Agent
c. Inspect all other welds.	Continuous	Testing Agent
3. Inspect anchors cast in concrete.	Periodic	Testing Agent
4. Inspect anchors post-installed in hardened concrete members.		
a. Adhesive anchors installed in horizontally or upwardly inclined orientations to resist sustained tension loads.	Continuous	Testing Agent
b. Mechanical anchors and adhesive anchors not defined in 4.a.	Periodic	Testing Agent
5. Verify use of required design mix.	Periodic	Testing Agent
6. Prior to concrete placement, fabricate specimens for strength tests, perform slump and air content tests, and determine the temperature of the concrete.	Continuous	Testing Agent
7. Inspect concrete and shotcrete placement for proper application techniques.	Continuous	Testing Agent
8. Verify maintenance of specified curing temperature and techniques.	Periodic	Testing Agent
9. Inspect prestressed concrete for:		
a. Application of prestressing forces.	Continuous	Testing Agent
b. Grouting of bonded prestressing tendons.	Continuous	Testing Agent
10. Inspect erection of precast concrete members.	Periodic	Testing Agent
11. Verify in-situ concrete strength, prior to stressing of tendons in post-tensioned concrete and prior to removal of shores and forms from beams and structural slabs.	Periodic	Testing Agent
12. Inspect formwork for shape, location, and dimensions of the concrete member being formed.	Periodic	Testing Agent

MATERIAL / ACTIVITY	FREQUENCY OF INSPECTION	INSPECTOR
C. Inspection of Masonry per 1705.4 (Level “B” in accordance with TMS 402/ACI 530/ASCE 5 and TMS 602/ACI 530.1/ASCE 6 quality assurance program requirements)		
1. Verify compliance with approved submittals	Periodic	Testing Agent
2. Verification of f'_m and f'_{aac} prior to construction except where specifically exempted by code.	Periodic	Testing Agent
3. Verification of slump flow and visual stability index (VSI) as delivered to the project site in accordance with specification article 1.5 B.1.b.3 for self-consolidating grout.	Continuous	Testing Agent
4. As masonry construction begins, verify that the following are in compliance:		
a. Proportions of site-prepared mortar.	Periodic	Testing Agent
b. Construction of mortar joints.	Periodic	Testing Agent
c. Grade and size of prestressing tendons and anchorages.	Periodic	Testing Agent
d. Location of reinforcement, connectors, and prestressing tendons and anchorages.	Periodic	Testing Agent
e. Prestressing technique.	Periodic	Testing Agent
f. Properties of thin-bed mortar for AAC masonry.	Continuous	Testing Agent
5. Prior to grouting, verify that the following are in compliance:		
a. Grout space.	Periodic	Testing Agent
b. Grade, type, and size of reinforcement and anchor bolts, and prestressing tendons and anchorages.	Periodic	Testing Agent
c. Placement of reinforcement and connectors and prestressing tendons and anchorages.	Periodic	Testing Agent
d. Proportion of site-prepared grout and prestressing grout for bonded tendons.	Periodic	Testing Agent
e. Construction of mortar joints.	Periodic	Testing Agent
6. Verify during construction:		
a. Size and location of structural elements.	Periodic	Testing Agent
b. Type, size and location of anchors, including other details of anchorage of masonry to structural members, frames, or other construction.	Periodic	Testing Agent
c. Welding of reinforcement.	Continuous	Testing Agent
d. Preparation, construction, and protection of masonry during cold weather (temperature below 40°F) or hot weather (temperature above 90°F).	Periodic	Testing Agent
e. Application and measurement of prestressing force.	Continuous	Testing Agent
f. Placement of grout and prestressing grout for bonded tendons is in compliance.	Continuous	Testing Agent
g. Placement of AAC masonry units and construction of thin-bed mortar joints.	Continuous	Testing Agent
7. Observe preparation of grout specimens, mortar specimens, and/or prisms.	Periodic	Testing Agent

MATERIAL / ACTIVITY	FREQUENCY OF INSPECTION	INSPECTOR
D. Inspection of Soil Conditions per 1705.6		
1. Verify materials below shallow foundations are adequate to achieve the design bearing capacity.	Periodic	Testing Agent
2. Verify excavations are extended to proper depth and have reached proper material.	Periodic	Testing Agent
3. Perform classification and testing of compacted fill materials.	Periodic	Testing Agent
4. Verify use of proper materials, densities and lift thicknesses during placement and compaction of compacted fill.	Continuous	Testing Agent
5. Prior to placement of compacted fill, observe subgrade and verify that site has been prepared properly.	Periodic	Testing Agent
E. Driven Pile Deep Foundation Elements per 1705.7		
1. Verify element materials, sizes and lengths comply with the requirements.	Continuous	Geotechnical Engineer
2. Determine capacities of test elements and conduct additional load tests as required.	Continuous	Geotechnical Engineer
3. Verify placement locations and plumbness, confirm type and size of hammer, record number of blows per foot of penetration, determine required penetrations to achieve design capacity, record tip and butt elevations and document any damage to foundation element.	Continuous	Geotechnical Engineer
4. For concrete elements, perform tests and additional special inspections in accordance with Section 1705.3.	Periodic	Testing Agent
5. For specialty elements, perform additional inspections as determined by the registered design professional in responsible charge.	Periodic	Testing Agent

SECTION 07 42 13.23
METAL COMPOSITE MATERIAL WALL PANELS

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Exterior cladding consisting of formed metal composite material (MCM) sheet, secondary supports, and anchors to structure, attached to solid backup.
- B. Matching flashing and trim.

1.02 RELATED REQUIREMENTS

- A. Section 03 30 00 - Cast-in-Place Concrete: Installation of anchors.
- B. Section 04 20 00 - Unit Masonry: Installation of anchors.
- C. Section 05 40 00 - Cold-Formed Metal Framing: Panel support framing.
- D. Section 07 25 00 - Weather Barriers: Weather barrier behind wall panel system.
- E. Section 07 62 00 - Sheet Metal Flashing and Trim: Metal flashing components integrated with this wall system.
- F. Section 07 92 00 - Joint Sealants: Sealing joints between siding and adjacent construction and fixtures.

1.03 REFERENCE STANDARDS

- A. AAMA 611 - Voluntary Specification for Anodized Architectural Aluminum; 2014 (2015 Errata).
- B. ASHRAE Std 90.1 I-P - Energy Standard for Buildings Except Low-Rise Residential Buildings; Most Recent Edition Adopted by Authority Having Jurisdiction, Including All Applicable Amendments and Supplements.
- C. ASTM A36/A36M - Standard Specification for Carbon Structural Steel; 2014.
- D. ASTM A123/A123M - Standard Specification for Zinc (Hot-Dip Galvanized) Coatings on Iron and Steel Products; 2017.
- E. ASTM A153/A153M - Standard Specification for Zinc Coating (Hot-Dip) on Iron and Steel Hardware; 2016a.
- F. ASTM A276/A276M - Standard Specification for Stainless Steel Bars and Shapes; 2017.
- G. ASTM A480/A480M - Standard Specification for General Requirements for Flat-Rolled Stainless and Heat-Resisting Steel Plate, Sheet, and Strip; 2020.
- H. ASTM A653/A653M - Standard Specification for Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy-Coated (Galvannealed) by the Hot-Dip Process; 2020.
- I. ASTM A666 - Standard Specification for Annealed or Cold-Worked Austenitic Stainless Steel Sheet, Strip, Plate, and Flat Bar; 2015.
- J. ASTM A792/A792M - Standard Specification for Steel Sheet, 55% Aluminum-Zinc Alloy-Coated by the Hot-Dip Process; 2010 (Reapproved 2015).
- K. ASTM B209 - Standard Specification for Aluminum and Aluminum-Alloy Sheet and Plate; 2014.
- L. ASTM B209M - Standard Specification for Aluminum and Aluminum-Alloy Sheet and Plate (Metric); 2014.
- M. ASTM B221 - Standard Specification for Aluminum and Aluminum-Alloy Extruded Bars, Rods, Wire, Profiles, and Tubes; 2014.
- N. ASTM B221M - Standard Specification for Aluminum and Aluminum-Alloy Extruded Bars, Rods, Wire, Profiles, and Tubes (Metric); 2013.
- O. ASTM C920 - Standard Specification for Elastomeric Joint Sealants; 2018.
- P. ASTM D1781 - Standard Test Method for Climbing Drum Peel for Adhesives; 1998 (Reapproved 2012).
- Q. ASTM D1929 - Standard Test Method for Determining Ignition Temperature of Plastics; 2020.

- R. ASTM E84 - Standard Test Method for Surface Burning Characteristics of Building Materials; 2020.
- S. ASTM E283/E283M - Standard Test Method for Determining Rate of Air Leakage Through Exterior Windows, Skylights, Curtain Walls, and Doors Under Specified Pressure Differences Across the Specimen; 2019.
- T. ASTM E331 - Standard Test Method for Water Penetration of Exterior Windows, Skylights, Doors, and Curtain Walls by Uniform Static Air Pressure Difference; 2000 (Reapproved 2016).

1.04 ADMINISTRATIVE REQUIREMENTS

- A. Pre-Installation Meeting: Convene one week before starting work of this section to verify project requirements, coordinate with installers of other work, establish condition and completeness of building substrate, and review manufacturers' installation instructions and warranty requirements.
 - 1. Require attendance by the installer and relevant sub-contractors.
 - 2. Include MCM sheet manufacturer's representative and wall system manufacturer's representative to review storage and handling procedures.
 - 3. Review in detail truck transportation, parking, vertical transportation, schedule, personnel, installation of adjacent materials and substrate.
 - 4. Review procedures for protection of work and other construction.

1.05 SUBMITTALS

- A. See Section 01 30 00 - Administrative Requirements, for submittal procedures.
- B. Product Data - MCM Sheets: Manufacturer's data sheets on each product to be used, including thickness, physical characteristics, and finish, and:
 - 1. Finish manufacturer's data sheet showing physical and performance characteristics.
 - 2. Storage and handling requirements and recommendations.
 - 3. Fabrication instructions and recommendations.
- C. Product Data - Wall System: Manufacturer's data sheets on each product to be used, including:
 - 1. Physical characteristics of components shown on shop drawings.
 - 2. Storage and handling requirements and recommendations.
 - 3. Installation instructions and recommendations.
 - 4. Specimen warranty for wall system, as specified herein.
- D. Shop Drawings: Show layout and elevations, dimensions and thickness of panels, connections, details and location of joints, sealants and gaskets, method of anchorage, support clips, exposed fasteners, number of anchors, supports, reinforcement, trim, flashings, and accessories.
 - 1. Indicate panel numbering system.
 - 2. Differentiate between shop and field fabrication.
 - 3. Indicate substrates and adjacent work with which the wall system must be coordinated.
 - 4. Include large-scale details of anchorages and connecting elements.
 - 5. Include large-scale details or schematic, exploded or isometric diagrams to fully explain flashing at a scale of not less than 1-1/2 inches per 12 inches.
 - 6. Include design engineer's stamp or seal on shop drawings for attachments and anchors.
- E. Selection Samples: For each finish product specified, submit at least three sample color chips representing manufacturer's standard range of available colors and patterns.
 - 1. Sealant Color: Color to match wall panels.
- F. Verification Samples: For each finish product specified, submit at least three samples, minimum size 12 inch square, and representing actual product in color and texture.
- G. Design Data: Submit structural calculations stamped by design engineer, for Architect's information and project record.
- H. Manufacturer's Field Reports: Provide within 48 hours of field review. State what was observed and what changes, if any, were requested or required.

- I. Testing Agency's Qualification Statement.
- J. Maintenance Data: Care of finishes and warranty requirements.
- K. Executed Warranty: Submit warranty and ensure that forms have been completed in Owner's name and registered with manufacturer.
- L. Warranty Documentation for Installation of Building Rainscreen Assembly: Submit installer warranty and ensure that forms have been completed in Owner's name and registered with installer.

1.06 QUALITY ASSURANCE

- A. Field Measurements: Verify actual dimensions by field measurement before fabrication; show recorded measurements on shop drawings.
- B. Design Engineer's Qualifications: Design structural supports and anchorages under direct supervision of a Structural Engineer experienced in design of this type of work and licensed in the State in which the Project is located.
- C. Testing Agency Qualifications: Independent agency experienced in testing assemblies of the type required for this project and having the necessary facilities for full-size mock-up testing of the type specified.

1.07 DELIVERY, STORAGE, AND HANDLING

- A. Deliver products in manufacturer's original, unopened, undamaged containers with identification labels intact.
 - 1. Protect finishes by applying heavy-duty removable plastic film during production.
 - 2. Package for protection against transportation damage.
 - 3. Provide markings to identify components consistently with drawings.
 - 4. Exercise care in unloading, storing, and installing panels to prevent bending, warping, twisting, and surface damage.
- B. Store products protected from exposure to harmful weather conditions and at temperature conditions recommended by manufacturer.
 - 1. Store in well-ventilated space out of direct sunlight.
 - 2. Protect from moisture and condensation with tarpaulins or other suitable weathertight covering installed to provide ventilation.
 - 3. Store at a slope to ensure positive drainage of accumulated water.
 - 4. Do not store in enclosed space where ambient temperature can exceed 120 degrees F.
 - 5. Avoid contact with other materials that might cause staining, denting, or other surface damage.

1.08 WARRANTY

- A. See Section 01 78 00 - Closeout Submittals, for additional warranty requirements.
- B. Correct defective work within a five year period after Date of Substantial Completion, including defects in water tightness and integrity of seals for insulated metal wall panel systems.
- C. Correct defective work within a five year period after Date of Substantial Completion for degradation of panel finish, including color fading caused by exposure to weather.
- D. Installation Warranty for Building Rainscreen Assembly: Installer of exterior rainscreen assembly (including air/vapor barrier and attachments, framing, and exterior panels) to provide 10-year warranty that includes coverage for defective materials and/or workmanship. This warranty will also clearly include materials, labor, necessary activity to access these areas, and removal of any materials to effect repairs and restore to watertight conditions.
www.edacontractors.com/#sle

PART 2 PRODUCTS

2.01 MANUFACTURERS

- A. Metal Composite Material (MCM) Sheet Manufacturers:
 - 1. 3A Composites USA; Alucobond Plus: www.3Acompositesusa.com/#sle.

2. Alcotex, Inc; Alcotex PE - Aluminum Composite Material (ACM): www.alcotex.com/#sle.
3. Alfrex, LLC; Alfrex fr: www.alfrexusa.com/#sle.
4. ALPOLIC Materials; ALPOLIC/fr (Fire Retardant core): www.alpolic-americas.com/#sle.
5. Substitutions: See Section 01 60 00 - Product Requirements.

2.02 WALL PANEL SYSTEM

- A. Wall Panel System: Metal panels, fasteners, and anchors designed to be supported by framing or other substrate provided by others; provide installed panel system capable of maintaining specified performance without defects, damage, or failure.
 1. Provide structural design by or under direct supervision of a Structural Engineer licensed in the State in which the Project is located.
 2. Provide panel jointing and weatherseal using a "wet", sealant-sealed system.
 3. Anchor panels to supporting framing without exposed fasteners.

2.03 PERFORMANCE REQUIREMENTS

- A. Thermal Movement: Provide for free and noiseless vertical and horizontal thermal movement due to expansion and contraction under material temperature range of minus 20 degrees F to 180 degrees F without buckling, opening of joints, undue stress on fasteners, or other detrimental effects; allow for ambient temperature at time of fabrication, assembly, and erection procedures.
- B. Air Infiltration: 0.06 cfm/sq ft of wall area, maximum, when tested at 1.57 psf in accordance with ASTM E283/E283M.
- C. Water Penetration: No water penetration under static pressure when tested in accordance with ASTM E331 at a differential of 10 percent of inward acting design load, 6.24 psf minimum, after 15 minutes.
 1. Water penetration is defined as the appearance of uncontrolled water on the interior face of the wall.
 2. Design to drain leakage and condensation to the exterior face of the wall.
- D. Building Envelope Performance: Complies with ASHRAE Std 90.1 I-P when tested as part of a building envelope assembly.

2.04 PANELS

- A. Panels: two inch deep pans formed of metal composite material sheet by routing back edges of sheet, removing corners, and folding edges.
 1. Reinforce corners with riveted aluminum angles.
 2. Provide concealed attachment to supporting structure by adhering attachment members to back of panel; attachment members may also function as stiffeners.
 3. Maintain maximum panel bow of 0.8 percent of panel dimension in width and length; provide stiffeners of sufficient size and strength to maintain panel flatness without showing local stresses or read-through on panel face.
 4. Secure members to back face of panels using structural silicone sealant approved by MCM sheet manufacturer.
 5. Fabricate panels under controlled shop conditions.
 6. Where final dimensions cannot be established by field measurement before commencement of manufacturing, make allowance for field adjustments without requiring field fabrication of panels.
 7. Fabricate as indicated on drawings and as recommended by MCM sheet manufacturer.
 - a. Make panel lines, breaks, curves, and angles sharp and true.
 - b. Keep plane surfaces free from warp or buckle.
 - c. Keep panel surfaces free of scratches or marks caused during fabrication.
 8. Provide joint details providing a watertight and structurally sound wall panel system that allows no uncontrolled water penetration on inside face of panel system.

2.05 MATERIALS

- A. Metal Composite Material (MCM) Sheet: Two sheets of aluminum sandwiching a core of extruded thermoplastic material; no foamed insulation material content.
 - 1. Overall Sheet Thickness: 0.118 inch, minimum.
 - 2. Bond and Peel Strength: No adhesive failure of the bond between the core and the skin nor cohesive failure of the core itself below 22.4 inch-pound/inch with no degradation in bond performance, when tested in accordance with ASTM D1781, simulating resistance to panel delamination, after 8 hours of submersion in boiling water and after 21 days of immersion in water at 70 degrees F.
 - 3. Surface Burning Characteristics: Flame spread index of 25, maximum; smoke developed index of 450, maximum; when tested in accordance with ASTM E84.
 - 4. Flammability: Self-ignition temperature of 650 degrees F or greater when tested in accordance with ASTM D1929.
- B. Metal Framing Members: Include sub-girts, zee-clips, base and sill angles and channels, hat-shaped and rigid channels, and furring channels required for complete installation.
 - 1. Provide material strength, dimensions, configuration as required to meet the applied loads applied and in compliance with applicable building code.
 - 2. Sheet Steel Components: ASTM A653/A653M galvanized to G90/Z275 or zinc-iron alloy-coated to A60/ZF180; or ASTM A792/A792M aluminum-zinc coated to AZ60/AZM180.
 - 3. Stainless Steel Sheet Components: ASTM A480/A480M.
 - 4. Aluminum Components: ASTM B209 (ASTM B209M); or ASTM B221 (ASTM B221M).

2.06 FINISHES

- A. Finish: Factory finished highly polished Class I natural anodized finish; AAMA 611 AA-M12C22A41, anodic coating not less than 0.7 mils, 0.0007 inch thick.
- B. Color/Texture: As selected by Architect from manufacturer's standard range.

2.07 ACCESSORIES

- A. Flashing: Sheet aluminum; 0.040 inch thick, minimum; finish and color to match MCM sheet; refer to Section 07 62 00 for additional requirements.
- B. Cladding Support Clips: Thermally-broken, galvanized steel clips for support of cladding z-girts, angles, channels and other framing.
 - 1. Galvanized Steel Sheet: ASTM A653/A653M, with G90/Z275 galvanized coating.
- C. Anchors, Clips, and Accessories: Use one of the following:
 - 1. Stainless steel complying with ASTM A276/A276M, ASTM A480/A480M, or ASTM A666.
 - 2. Steel complying with ASTM A36/A36M and hot-dipped galvanized to ASTM A153/A153M.
 - 3. Steel complying with ASTM A36/A36M and hot-dipped galvanized to ASTM A123/A123M Coating Grade 10.
- D. Fasteners:
 - 1. Exposed Fasteners: Stainless steel; permitted only where absolutely unavoidable and subject to prior approval of the Architect.
 - 2. Screws: Self-drilling or self-tapping Type 410 stainless steel or zinc-alloy steel hex washer head, with EPDM or PVC washer under heads of fasteners bearing on weather side of metal wall panels.
 - 3. Bolts: Stainless steel.
 - 4. Fasteners for Flashing and Trim: Blind fasteners of high-strength aluminum or stainless steel.
- E. Joint Sealer: Provide color to match wall panels silicone sealant of type approved by MCM sheet manufacturer, and in compliance with ASTM C920.
- F. Provide panel system manufacturer's and installer's standard corrosion resistant accessories, including fasteners, clips, anchorage devices, and attachments.

PART 3 EXECUTION**3.01 EXAMINATION**

- A. Examine dimensions, tolerances, and interfaces with other work.
 - 1. Verify that weather barrier system is properly installed; refer to Section 07 25 00 for requirements.
- B. Examine substrate on-site to determine that conditions are acceptable for product installation in accordance with manufacturer's written instructions.
- C. If substrate preparation is the responsibility of another installer, notify Architect of unsatisfactory preparation before proceeding.
- D. Notify Architect in writing of conditions detrimental to proper and timely completion of work, and do not proceed with erection until unsatisfactory conditions have been corrected.

3.02 PREPARATION

- A. Protect adjacent work areas and finish surfaces from damage during installation.
- B. Provide anchorage items to be cast into concrete or built into masonry to appropriate installer(s) together with setting templates.
 - 1. Refer to Section 03 30 00 for additional cast in place concrete requirements.
 - 2. Refer to Section 04 20 00 for additional unit masonry requirements.

3.03 INSTALLATION

- A. Do not install products that are defective, including warped, bowed, dented, and broken members, and members with damaged finishes.
- B. Comply with instructions and recommendations of MCM sheet manufacturer and wall system manufacturer, as well as with approved shop drawings.
- C. Install wall system securely allowing for necessary thermal and structural movement; comply with wall system manufacturer's instructions for installation of concealed fasteners.
- D. Do not handle or tool products during erection in manner that damages finish, decreases strength, or results in visual imperfection or failure in performance. Return component parts that require alteration to shop for refabrication, if possible, or for replacement with new parts.
- E. Do not form panels in field unless required by wall system manufacturer and approved by the Architect; comply with MCM sheet manufacturer's instructions and recommendations for field forming.
- F. Separate dissimilar metals; use gasket fasteners, isolation shims, or isolation tape where needed to eliminate possibility of electrolytic action between metals.
- G. Where joints are designed for field-applied sealant, seal joints completely with specified sealant.
- H. Install flashings as indicated on shop drawings. At flashing butt joints, provide a lap strap under flashing and seal lapped surfaces with a full bed of non-hardening sealant.
- I. Install square, plumb, straight, and true, accurately fitted, with tight joints and intersections maintaining the following installation tolerances:
 - 1. Variation From Plane or Location: 1/2 inch in 30 feet of length and up to 3/4 inch in 300 feet, maximum.
 - 2. Deviation of Vertical Member From True Line: 0.1 inch in 25 feet run, maximum.
 - 3. Deviation of Horizontal Member From True Line: 0.1 inch in 25 feet run, maximum.
 - 4. Offset From True Alignment Between Two Adjacent Members Abutting End To End, In Line: 0.03 inch, maximum.
- J. Replace damaged products.

3.04 FIELD QUALITY CONTROL

- A. Wall System Manufacturer's Field Services: Provide field services consisting of product use recommendations and periodic site visits for inspection of product installation in accordance with instructions.

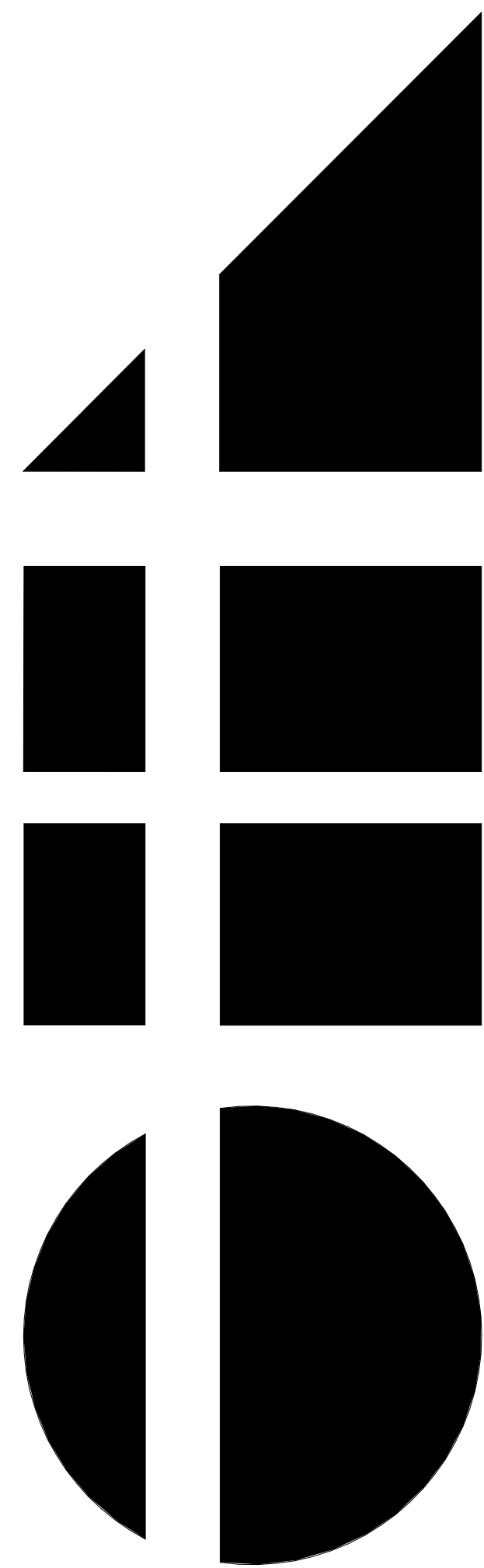
3.05 CLEANING

- A. Ensure weep holes and drainage channels are unobstructed and free of dirt and sealants.
- B. Remove protective film after installation of joint sealers, after cleaning of adjacent materials, and immediately prior to completion of work.
- C. Remove temporary coverings and protection of adjacent work areas.
- D. Clean installed products in accordance with manufacturer's instructions.

3.06 PROTECTION

- A. Protect installed panel system from damage until Date of Substantial Completion.

END OF SECTION



Mobile Civic Center Parking Facility

Mobile, Alabama

August 5, 2023
ETA Job No. 4308
DCM No. CC-085-22

Construction Documents

ETA Job No.4308
DCM No. CC-085-22
Construction Documents

Mobile Civic Center
Parking Facility
Mobile, Alabama

Evan Terry
Associates LLC
Architecture • Accessible Design
One Perimeter Park South, Suite 2005
Birmingham, AL 35242 (205) 972-9100

SET NO.

CIVIL

001	C1.00	CIVIL GENERAL NOTES
002	C2.00	SITE DEMOLITION PLAN
003	C3.00	SITE LAYOUT PLAN
004	C4.00	SITE UTILITY PLAN
005	C5.00	SITE GRADING PLAN
006	C6.00	SEDIMENT AND EROSION CONTROL PLAN PHASE 1
007	C7.00	SEDIMENT AND EROSION CONTROL PLAN PHASE 2
008	C8.00	CIVIL DETAILS

Engineering Design Group, LLC
1000 E Laurel Ave
Foley, AL 36535
O: (205) 547-9855
C: (205) 777-9064

LANDSCAPING

009	L1.0	PLAN AND IRRIGATION SPECIFICATIONS
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Dave Eyrich and Associates, LLC
1000 Providence Park, Suite 200
Birmingham, AL 35242
205-582-2052

STRUCTURAL

010	S1.00	GENERAL NOTES
011	S1.01	GENERAL NOTES & TYPICAL DETAILS
012	S1.02	TYPICAL DETAILS
013	S2.11	LEVEL 1 PLAN - PART A
014	S2.12	LEVEL 1 PLAN - PART B
015	S2.21	LEVEL 2 FRAMING PLAN - PART A
016	S2.22	LEVEL 2 FRAMING PLAN - PART B
017	S2.31	LEVEL 3 FRAMING PLAN - PART A
018	S2.32	LEVEL 3 FRAMING PLAN - PART B
019	S2.41	LEVEL 4 FRAMING PLAN - PART A
020	S2.42	LEVEL 4 FRAMING PLAN - PART B
021	S2.51	LEVEL 5 FRAMING PLAN - PART A
022	S2.52	LEVEL 5 FRAMING PLAN - PART B
023	S2.61	LEVEL 6 FRAMING PLAN - PART A
024	S2.62	LEVEL 6 FRAMING PLAN - PART B
025	S2.71	ROOF FRAMING PLAN - PART A
026	S2.72	ROOF FRAMING PLAN - PART B
027	S3.01	SCHEDULES & TYPICAL DETAILS
028	S5.01	SECTIONS
029	S5.02	SECTIONS

MBA Engineering
300 20th Street North, Suite 100
Birmingham, Alabama 35203
PH: (205) 323-6385
FX: (205) 324-0698

ARCHITECTURAL

030	A0.01	CODE INFORMATION
031	A1.10	LIFE SAFETY PLAN - LEVEL 1 - OVERALL
032	A1.20	LIFE SAFETY PLAN - LEVEL 2 - OVERALL
033	A1.30	LIFE SAFETY PLAN - LEVEL 3 - OVERALL
034	A1.40	LIFE SAFETY PLAN - LEVEL 4 - OVERALL
035	A1.50	LIFE SAFETY PLAN - LEVEL 5 - OVERALL
036	A1.60	LIFE SAFETY PLAN - LEVEL 6 - OVERALL
037	A2.10	LAYOUT PLAN - LEVEL 1 - OVERALL
038	A2.11	LAYOUT PLAN - LEVEL 1 - PART A
039	A2.12	LAYOUT PLAN - LEVEL 1 - PART B
040	A2.20	LAYOUT PLAN - LEVEL 2 - OVERALL
041	A2.21	LAYOUT PLAN - LEVEL 2 - PART A
042	A2.22	LAYOUT PLAN - LEVEL 2 - PART B
043	A2.30	LAYOUT PLAN - LEVEL 3 - OVERALL
044	A2.31	LAYOUT PLAN - LEVEL 3 - PART A
045	A2.32	LAYOUT PLAN - LEVEL 3 - PART B
046	A2.40	LAYOUT PLAN - LEVEL 4 - OVERALL
047	A2.41	LAYOUT PLAN - LEVEL 4 - PART A
048	A2.42	LAYOUT PLAN - LEVEL 4 - PART B
049	A2.50	LAYOUT PLAN - LEVEL 5 - OVERALL
050	A2.51	LAYOUT PLAN - LEVEL 5 - PART A
051	A2.52	LAYOUT PLAN - LEVEL 5 - PART B
052	A2.60	LAYOUT PLAN - LEVEL 6 - OVERALL
053	A2.61	LAYOUT PLAN - LEVEL 6 - PART A
054	A2.62	LAYOUT PLAN - LEVEL 6 - PART B
055	A2.70	ROOF PLAN - OVERALL
056	A3.00	DOOR SCHEDULE
057	A3.01	CURTAIN WALL ELEVATIONS
058	A3.02	CURTAIN WALL ELEVATIONS
059	A3.10	STRIPING PLAN LEVEL 1
060	A3.20	STRIPING PLAN LEVEL 2
061	A3.30	STRIPING PLAN LEVEL 3
062	A3.40	STRIPING PLAN LEVEL 4
063	A3.50	STRIPING PLAN LEVEL 5
064	A3.60	STRIPING PLAN LEVEL 6
065	A3.70	STRIPING DETAILS
066	A4.10	SIGNAGE PLAN - LEVEL 1
067	A4.20	SIGNAGE PLAN - LEVEL 2
068	A4.30	SIGNAGE PLAN - LEVEL 3
069	A4.40	SIGNAGE PLAN - LEVEL 4
070	A4.50	SIGNAGE PLAN - LEVEL 5
071	A4.60	SIGNAGE PLAN - LEVEL 6
072	A4.70	SIGNAGE DETAILS
073	A4.71	SIGNAGE DETAILS
074	A4.72	SIGNAGE DETAILS
075	A5.20	OVERALL BUILDING ELEVATIONS - SOUTH / EAST
076	A5.21	OVERALL BUILDING ELEVATIONS - NORTH / WEST
077	A5.21B	OVERALL BUILDING ELEVATIONS - NORTH / WEST - ALTERNATE NO.1
078	A5.22	EXTERIOR ELEVATIONS - LARGE SCALE - WEST
079	A5.22b	EXTERIOR ELEVATIONS - LARGE SCALE - WEST - ALTERNATE NO.1
080	A5.23	EXTERIOR ELEVATIONS - LARGE SCALE - EAST
081	A5.24	EXTERIOR ELEVATIONS - LARGE SCALE - NORTH / SOUTH
082	A5.24b	EXTERIOR ELEVATIONS - LARGE SCALE NORTH / SOUTH - ALTERNATE NO.1
083	A5.31	TOP OF STAIR ELEVATIONS
084	A5.40	BUILDING SECTIONS
085	A6.10	WALL SECTIONS
086	A6.11	WALL SECTIONS
087	A6.12	WALL SECTIONS
088	A6.13	WALL SECTIONS

Evan Terry Associates, LLC
One Perimeter Park South - Suite 2005
Birmingham, Alabama 35243
PH: (205) 972-9100
FX: (205) 972-9110

ARCHITECTURAL (CONTINUED)

089	A6.14	WALL SECTIONS
090	A6.15	WALL SECTIONS
091	A6.16	WALL SECTIONS
092	A6.30	PRECAST PANEL ELEVATIONS
093	A6.30B	PRECAST PANEL ELEVATIONS - ALTERNATE NO.1
094	A6.31	PRECAST PANEL PROFILES
095	A6.32	PRECAST PANEL PROFILES
096	A6.33	PRECAST DETAILS
097	A7.10A	SOUTHWEST STAIR - ELEVATOR SECTIONS
098	A7.10B	SOUTHWEST STAIR - ELEVATOR SECTIONS
099	A7.11	SOUTHWEST STAIR SECTIONS
100	A7.12	SOUTHWEST STAIR PLANS
101	A7.13	SOUTHWEST STAIR PLANS
102	A7.14	NORTHWEST STAIR PLANS
103	A7.15	NORTHWEST STAIR PLANS
104	A7.16	STAIR DETAILS
105	A7.20	ELEVATOR SECTIONS

Evan Terry Associates, LLC
One Perimeter Park South - Suite 2005
Birmingham, Alabama 35243
PH: (205) 972-9100
FX: (205) 972-9110

PLUMBING

106	F0.01	GENERAL NOTES AND DETAILS - FIRE PROTECTION
107	F2.01	FIRE DETAILS - FIRE PROTECTION
108	F2.10	LAYOUT PLAN - LEVEL 1 - OVERALL FIRE PROTECTION
109	F2.20	LAYOUT PLAN - LEVEL 2 - OVERALL FIRE PROTECTION
110	F2.30	LAYOUT PLAN - LEVEL 3 - OVERALL FIRE PROTECTION
111	F2.40	LAYOUT PLAN - LEVEL 4 - OVERALL FIRE PROTECTION
112	F2.50	LAYOUT PLAN - LEVEL 5 - OVERALL FIRE PROTECTION
113	F2.60	LAYOUT PLAN - LEVEL 6 - OVERALL FIRE PROTECTION
114	P0.01	LEGENDS, NOTES AND SCHEDULES - PLUMBING
115	P2.10	LAYOUT PLAN - LEVEL 1 - OVERALL PLUMBING
116	P2.20	LAYOUT PLAN - LEVEL 2 - OVERALL PLUMBING
117	P2.30	LAYOUT PLAN - LEVEL 3 - OVERALL PLUMBING
118	P2.40	LAYOUT PLAN - LEVEL 4 - OVERALL PLUMBING
119	P2.50	LAYOUT PLAN - LEVEL 5 - OVERALL PLUMBING
120	P2.60	LAYOUT PLAN - LEVEL 6 - OVERALL PLUMBING
121	F2.70	LAYOUT PLAN - ROOF - OVERALL PLUMBING
122	P3.01	RISERS PLUMBING

MECHANICAL

123	M0.01	LEGENDS, SCHEDULES, DETAILS, AND CONTROLS - HVAC
124	M2.10	LAYOUT PLAN - LEVEL 1 - OVERALL MECHANICAL
125	M2.10A	LAYOUT PLAN - LEVEL 1 - MECHANICAL PART A
126	M2.10B	LAYOUT PLAN - LEVEL 1 - MECHANICAL PART B
127	M2.30	LAYOUT PLAN - LEVEL 3 OVERALL MECHANICAL
128	M2.30A	LAYOUT PLAN - LEVEL 3 - MECHANICAL - PART A
129	M2.30B	LAYOUT PLAN - LEVEL 3 - MECHANICAL - PART B
130	M2.50	LAYOUT PLAN - LEVEL 5 - OVERALL MECHANICAL
131	M2.50A	LAYOUT PLAN - LEVEL 5 - MECHANICAL - PART A
132	M2.50B	LAYOUT PLAN - LEVEL 5 - MECHANICAL - PART B
133	M3.01	SECTIONS AND CONTROLS - MECHANICAL

Bernhard Engineering
3332 Old Montgomery Hwy Suite 103
Birmingham, Alabama 35209
PH: (205) 324-0550

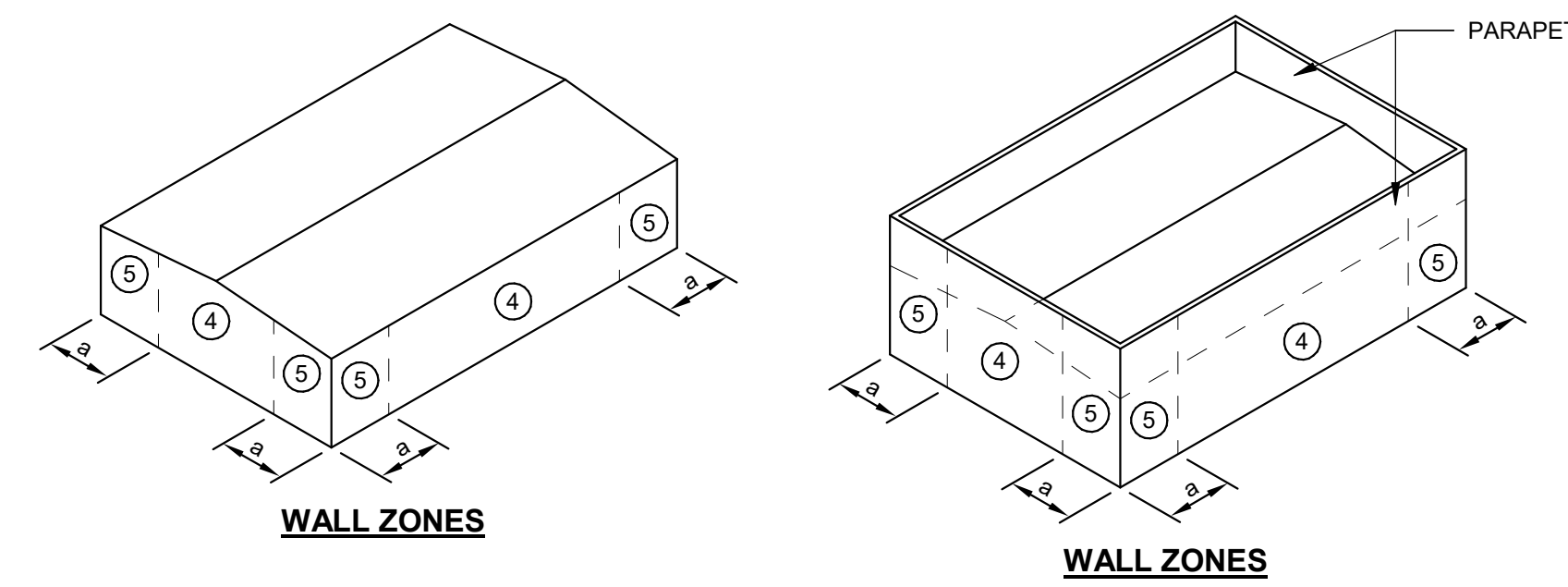
ELECTRICAL

134	E0.01	LEGEND & NOTES
135	E0.02	RISER DIAGRAM
136	E0.03	PANEL SCHEDULES
137	E0.04	PANEL SCHEDULES
138	E0.05	LIGHT FIXTURE SCHEDULE & DETAILS
139	E0.06	TELE/COMM DETAILS
140	E0.07	POWER DETAILS
141	E0.08	FIRE ALARM DETAILS
142	E0.09	EQUIPMENT SCHEDULE
143	E1.00	SITE PLAN - ELECTRICAL
144	E2.10A	LEVEL 1 - PART A - ELECTRICAL
145	E2.10B	LEVEL 1 - PART B - ELECTRICAL
146	E2.20A	LEVEL 2 - PART A - ELECTRICAL
147	E2.20B	LEVEL 2 - PART B - ELECTRICAL
148	E2.30A	LEVEL 3 - PART A - ELECTRICAL
149	E2.30B	LEVEL 3 - PART B - ELECTRICAL
150	E2.40A	LEVEL 4 - PART A - ELECTRICAL
151	E2.40B	LEVEL 4 - PART B - ELECTRICAL
152	E2.50A	LEVEL 5 - PART A - ELECTRICAL
153	E2.50B	LEVEL 5 - PART B - ELECTRICAL
154	E2.60A	LEVEL 6 - PART A - ELECTRICAL
155	E2.60B	LEVEL 6 - PART B - ELECTRICAL
156	E3.00	ENLARGED PLANS - ELECTRICAL

Hyde Engineering
3120 8th Ave South
Birmingham, Alabama 35233
PH: (205) 982-0900

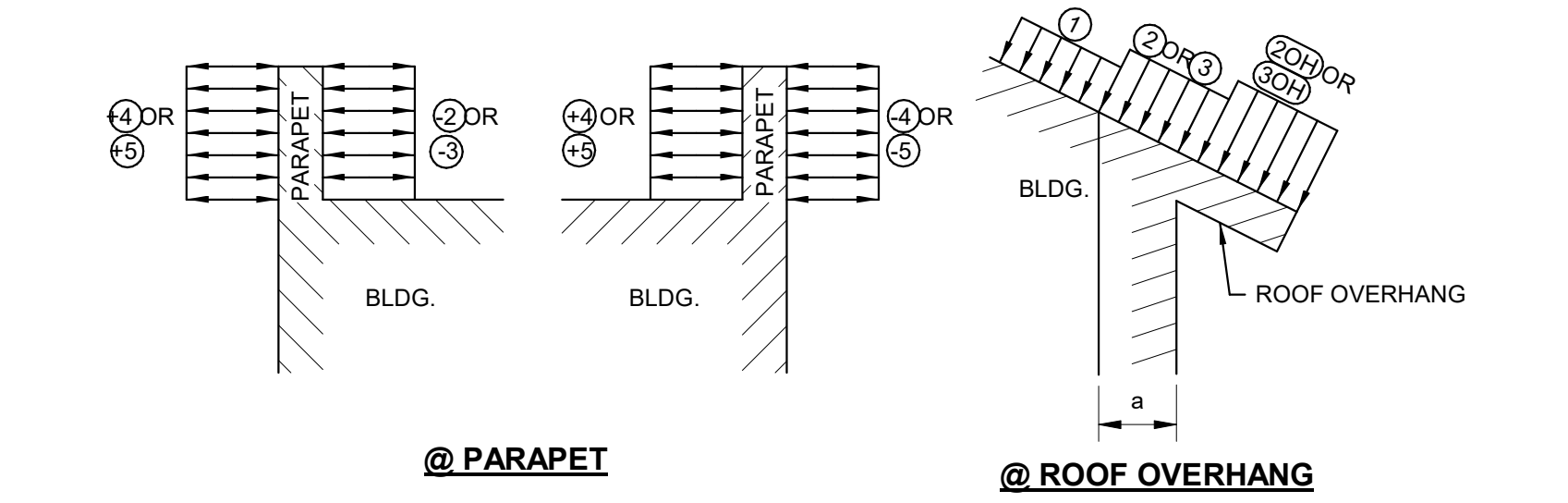
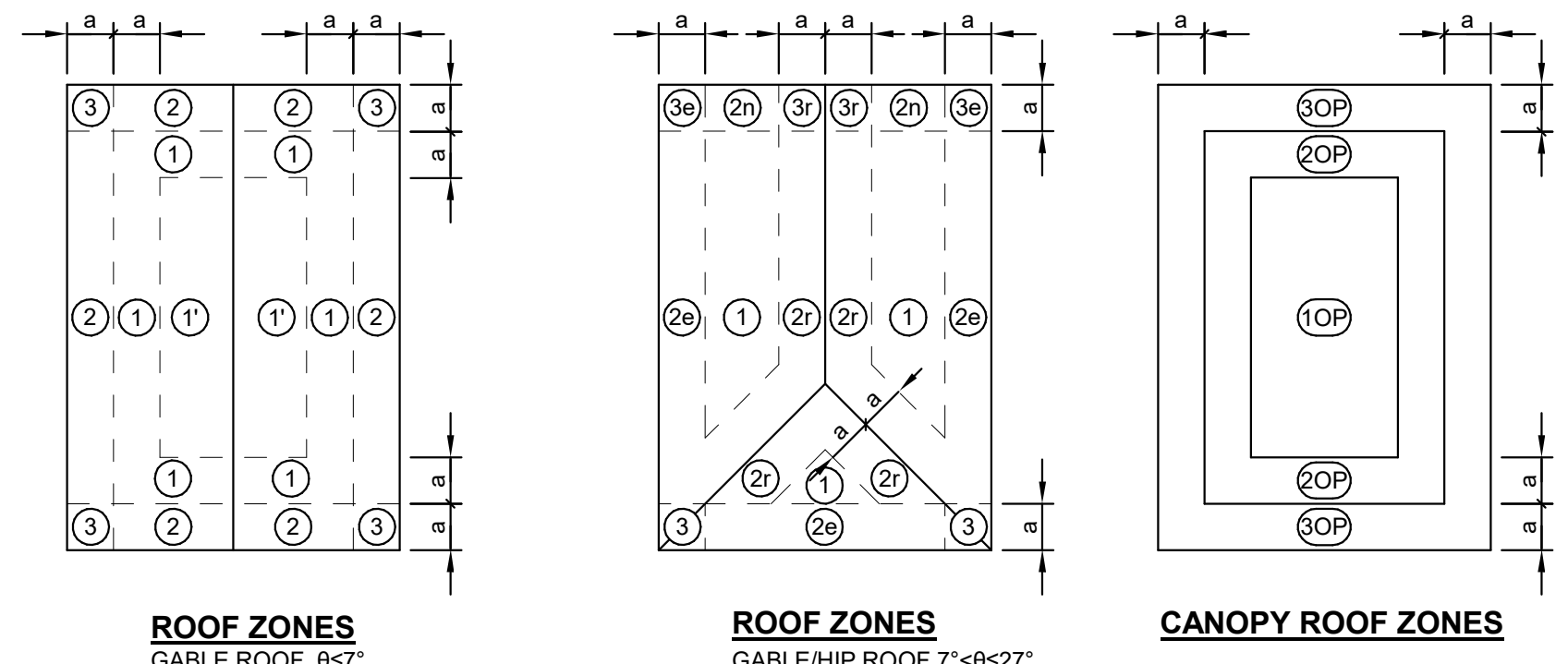
SHOP DRAWINGS

- ALL SHOP DRAWINGS ARE TO BE NEWLY PREPARED. REPRODUCTIONS OF CONTRACT STRUCTURAL DRAWINGS FOR USE AS ERECTION DRAWINGS WILL NOT BE PERMITTED. SHOULD SHOP DRAWING SUBMITTALS CONTAIN ANY REPRODUCTIONS OF CONTRACT STRUCTURAL DRAWINGS, THEY WILL BE REJECTED AND RETURNED WITHOUT ENGINEER REVIEW
- CONTRACTOR TO REVIEW ALL SHOP DRAWING SUBMITTALS AND STAMP WITH APPROVAL PRIOR TO SUBMISSION TO ARCHITECT/ENGINEER. SHOP DRAWINGS RECEIVED BY ARCHITECT/ENGINEER THAT HAVE NOT BEEN CHECKED AND COORDINATED BY THE CONTRACTOR WILL BE RETURNED WITHOUT ARCHITECT/ENGINEER'S REVIEW.
- CONTRACTOR TO PROVIDE NO MORE THAN FOUR COPIES OF EACH STRUCTURAL SHOP DRAWING SUBMITTAL TO THE ENGINEER. THE STRUCTURAL ENGINEER WILL REVIEW AND RETURN TWO OF THE COPIES TO THE ARCHITECT. ADDITIONAL COPIES REQUIRED BY THE CONTRACTOR SHALL BE MADE BY THE CONTRACTOR AFTER THE REVIEW PROCESS.



DESIGN CRITERIA

- BUILDING CODES AND STANDARDS
 - AMERICAN CONCRETE INSTITUTE, A.C.I. 318-19
 - AMERICAN CONCRETE INSTITUTE, A.C.I. 530-13
 - AMERICAN INSTITUTE OF STEEL CONSTRUCTION, A.I.S.C.
 - INTERNATIONAL BUILDING CODE, I.B.C. 2021
 - AMERICAN WELDING SOCIETY, A.W.S.
 - STEEL JOIST INSTITUTE, S.J.I.
 - STEEL DECK INSTITUTE, S.D.I.
- GRAVITY DESIGN LIVE LOADS:
 - PARKING LEVELS: 40 PSF
 - STAIRS, LOBBYS: 100 PSF
 - ROOF: 20 PSF
 - SUPERIMPOSED DEAD LOAD
 - MECH., ELECT., AND CEILING FINISHES (ON STRUCTURE ABOVE): 5 PSF
 - ROOFING: 15 PSF
- STRUCTURAL ELEMENTS ARE PROPORTIONED TO ACCOMMODATE ELEVATOR LOADS AS INDICATED BY THE DOCUMENTS. REFER TO PLAN SHEETS AT ELEVATOR PENTHOUSES FOR ADDITIONAL INFORMATION. ASSUMED REACTIONS, ETC. ANY CHANGES EXCEEDING THE LOADS INDICATED SHALL BE REPORTED TO THE STRUCTURAL ENGINEER OF RECORD FOR VERIFICATION OF THE ADEQUACY OF THE SUPPORTING STRUCTURE PRIOR TO APPROVAL OF ELEVATOR VENDOR'S SUBMITTAL AND BEFORE PLACEMENT OF THE ELEVATORS IN THE BUILDING. ELEVATORS SHALL BE SUBMITTED WITH SEISMIC DESIGN CALCULATIONS PER THE INTERNATIONAL BUILDING CODE AND ASCE 7 CHAPTER 13.
- LATERAL DESIGN LOADS:
 - WIND
 - DESIGNED PER ASCE 7-16
 - BASIC WIND SPEED: 155 MPH
 - WIND IMPORTANCE FACTOR (I_w): 1.0
 - BUILDING CATEGORY: ENCLOSED
 - EXPOSURE CATEGORY: B
 - INTERNAL PRESSURE COEFFICIENT (G_{CP}): ±0.18
 - COMPONENTS & CLADDING WIND PRESSURES: SEE CHART
 - EARTHQUAKE
 - SEISMIC IMPORTANCE FACTOR (I): 1.0
 - OCCUPANCY CATEGORY: II
 - SPECTRAL RESPONSE ACCELERATIONS:
 - S_s: 0.094
 - S₁: 0.06
 - SOIL SITE CLASS: D
 - SPECTRAL RESPONSE ACCELERATIONS:
 - S_s: 0.10
 - S_{d1}: 0.096
 - SEISMIC DESIGN CATEGORY: B
 - BASIC SEISMIC-FORCE-RESISTING SYSTEM:
 - INTERMEDIATE CONCRETE MOMENT FRAMES
 - DESIGN BASE SHEAR: 1047 KIPS
 - RESPONSE MODIFICATION FACTOR (R): 5
 - ANALYSIS PROCEDURE: EQUIVALENT LATERAL FORCE

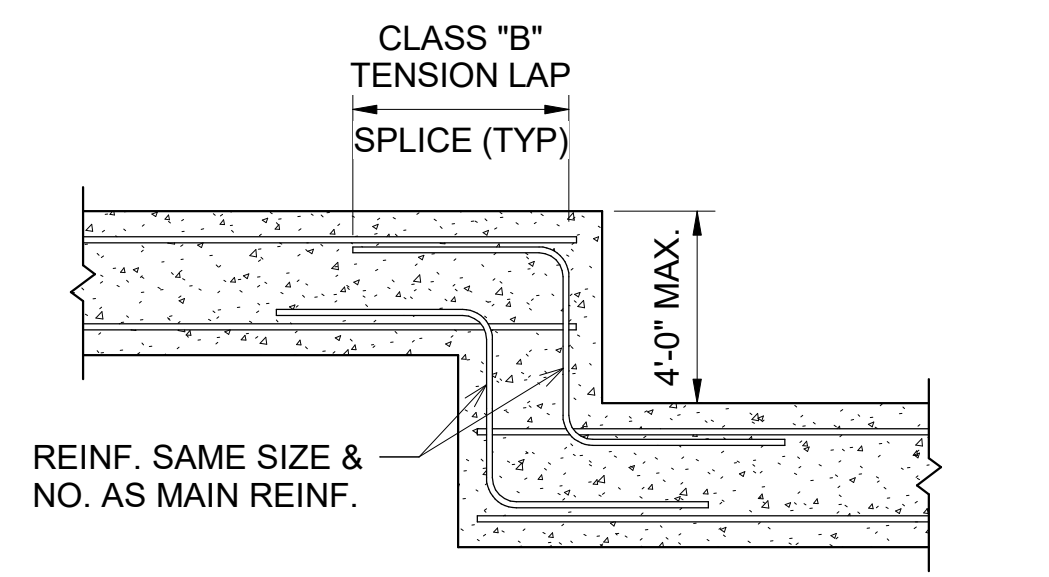
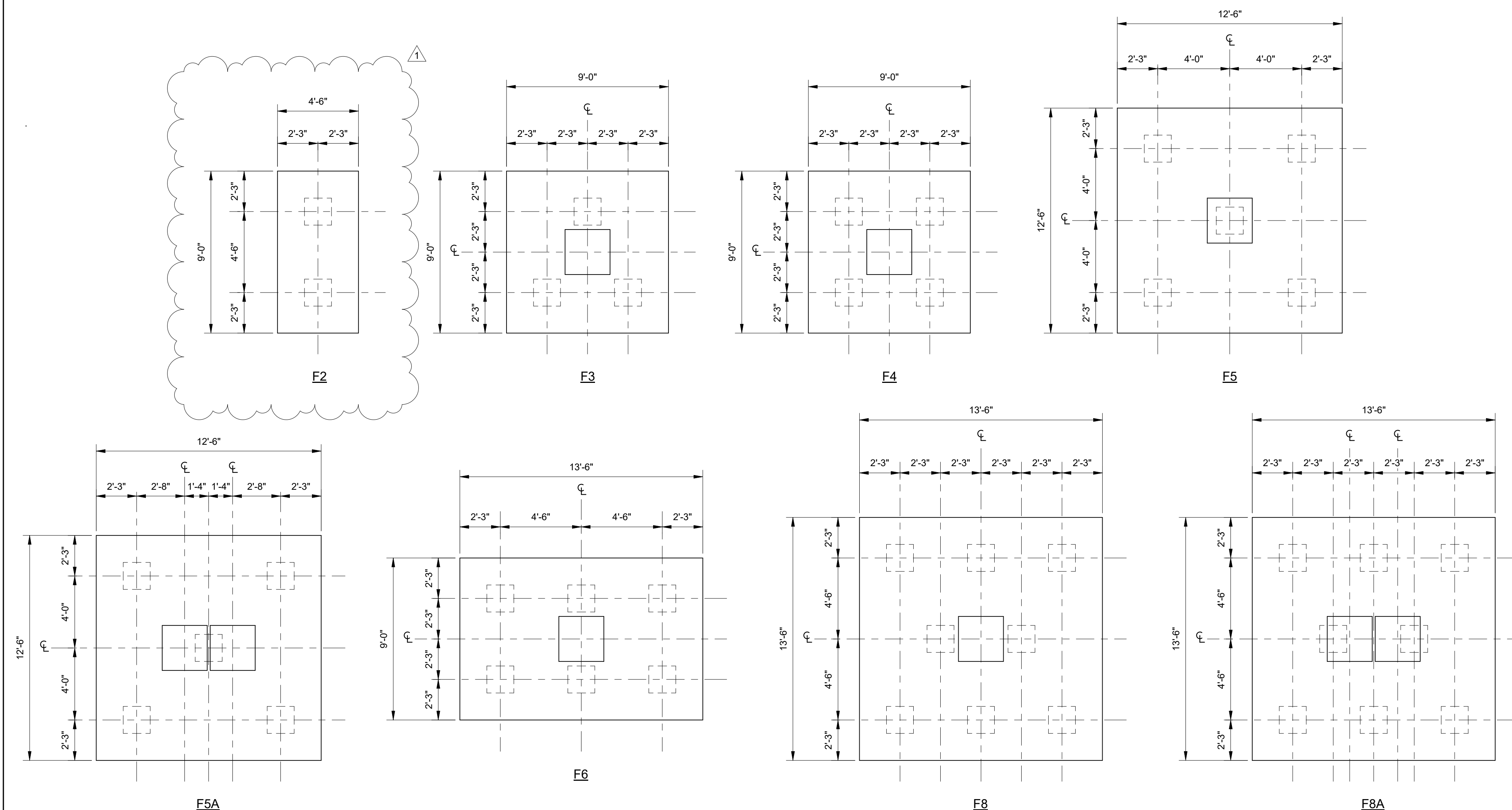


ZONE LAYOUT DIAGRAMS

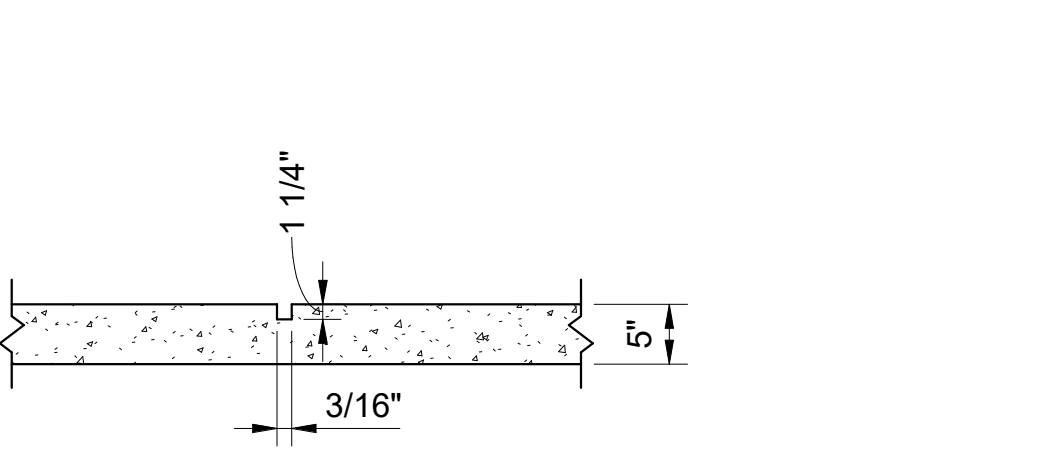
COMPONENTS AND CLADDING DESIGN WIND PRESSURES ASCE 7-16 (PSF)

ZONE	EFFECTIVE WIND AREA									
	10 SF		20 SF		50 SF		100 SF		200 SF	
1	31	-99	31	-94	31	-87	31	-82	31	-77
2	31	-156	31	-147	31	-137	31	-128	31	-120
3	31	-212	31	-201	31	-186	31	-175	31	-163
4	74	-81	70	-78	65	-74	61	-71	57	-68
5	74	-124	70	-116	65	-104	61	-95	57	-86
10P	46	-43	46	-43	46	-43	46	-43	46	-43
20P	69	-66	69	-66	46	-43	46	-43	46	-43
30P	69	-66	69	-66	46	-43	46	-43	46	-43

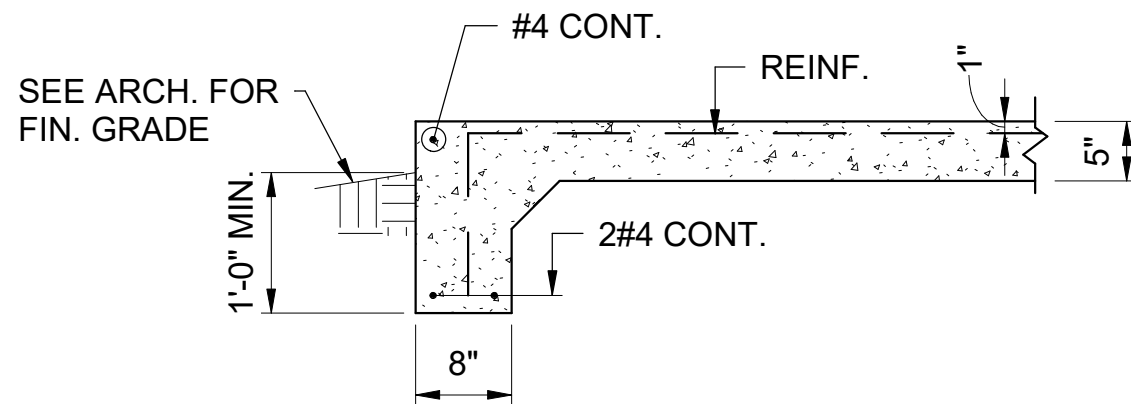
NOTES:
 1. PLUS AND MINUS SIGNS DENOTE PRESSURE ACTING TOWARD AND AWAY FROM BUILDING SURFACES.
 2. PRESSURE ZONE LOCATIONS ARE IN ACCORDANCE WITH ASCE 7-16.
 3. PRESSURES INDICATED ARE BASED ON ULTIMATE WIND SPEEDS PER ASCE 7-16. TO CONVERT PRESSURES TO NOMINAL LOADS MULTIPLY VALUES IN CHART BY A FACTOR OF 0.6.
 4. # = 20 FT



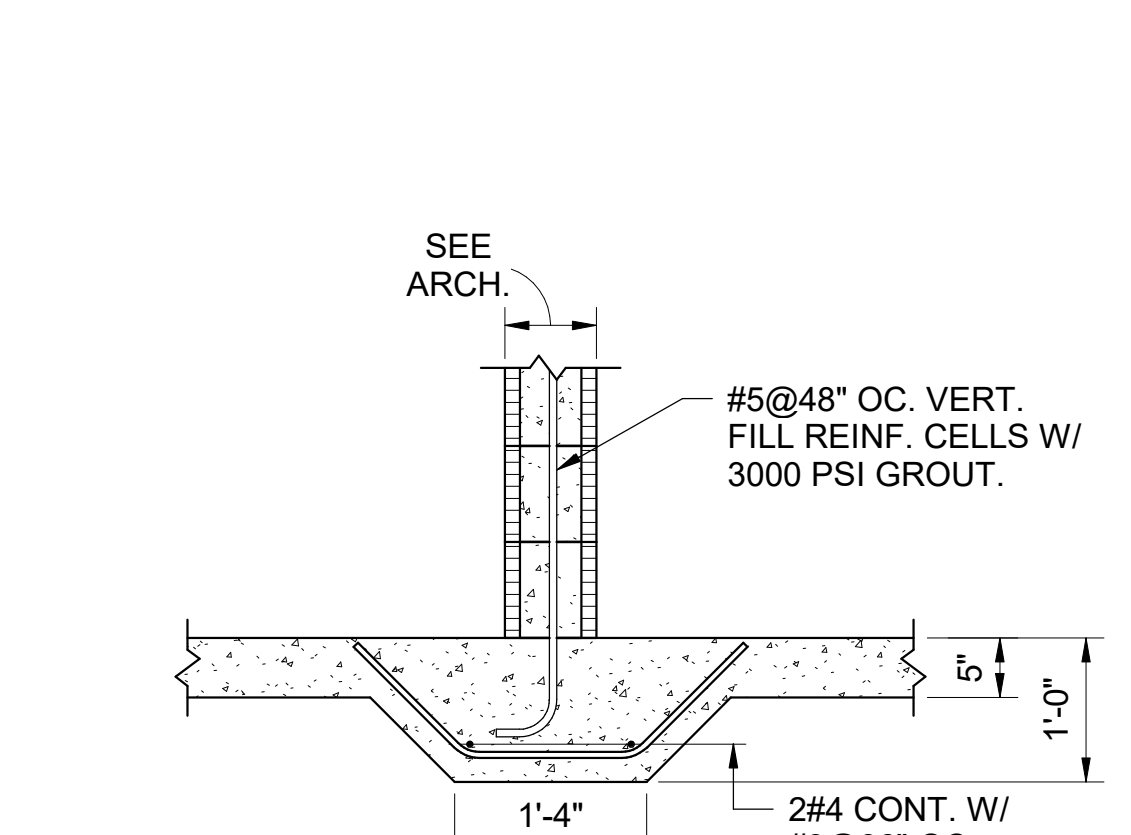
TYPICAL SAWED CONTROL JOINT



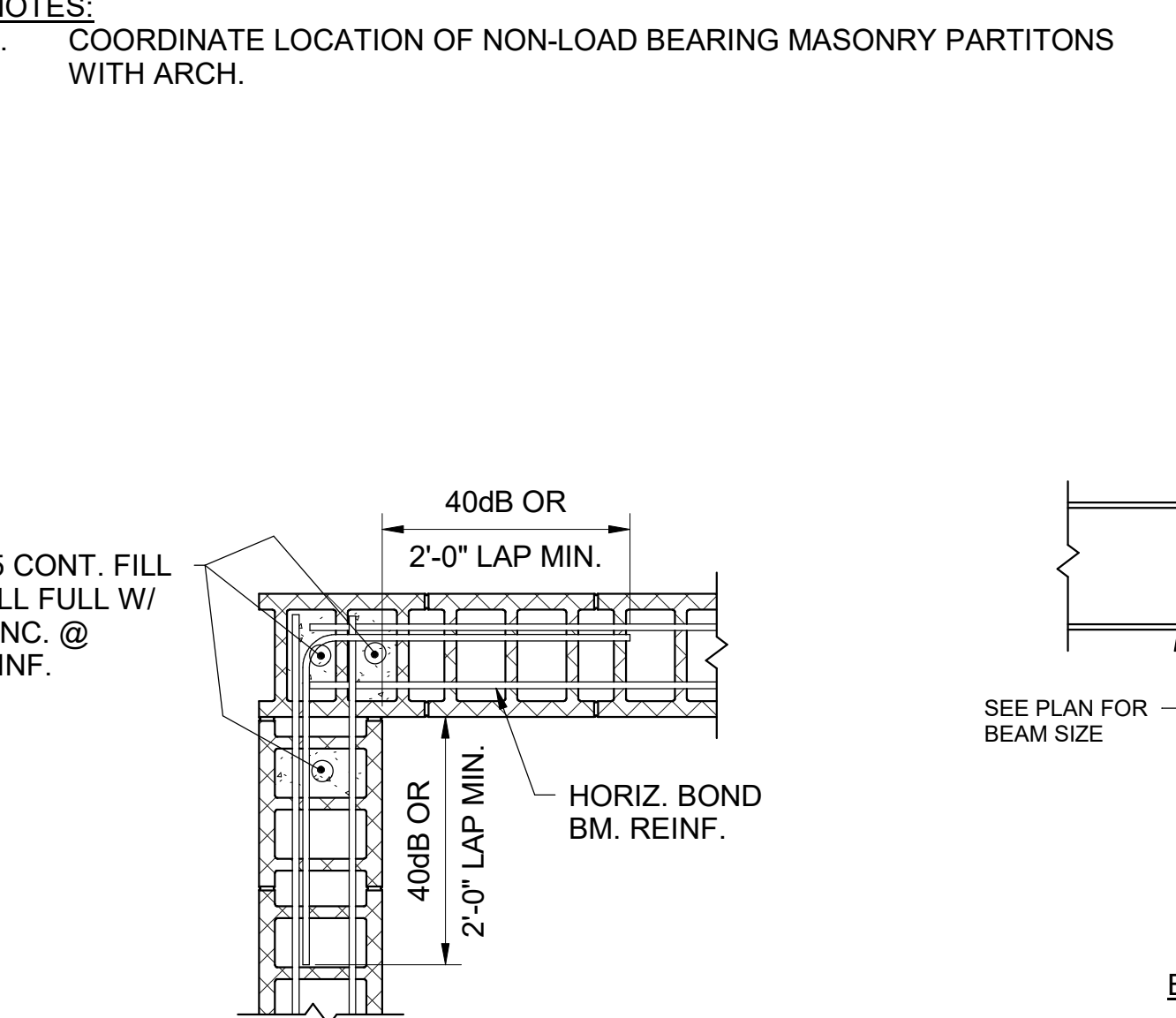
- NOTES:
 1. USE SAWS, BLADES, AND SKID PLATES BY SOFF-CUT INTERNATIONAL OR EQUAL.
 2. SEE PLAN FOR JOINT LAYOUT.
 3. START CUTTING SAWED JOINTS AS SOON AS CONCRETE HAS HARDENED SUFFICIENTLY TO PREVENT RAVELING OR DISLODGING OF AGGREGATES. THIS WILL TYPICALLY BE FROM 1 HOUR IN HOT WEATHER TO 4 HOURS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



TYPICAL THICKENED SLAB @ NON-LOAD BEARING MASONRY PARTITIONS

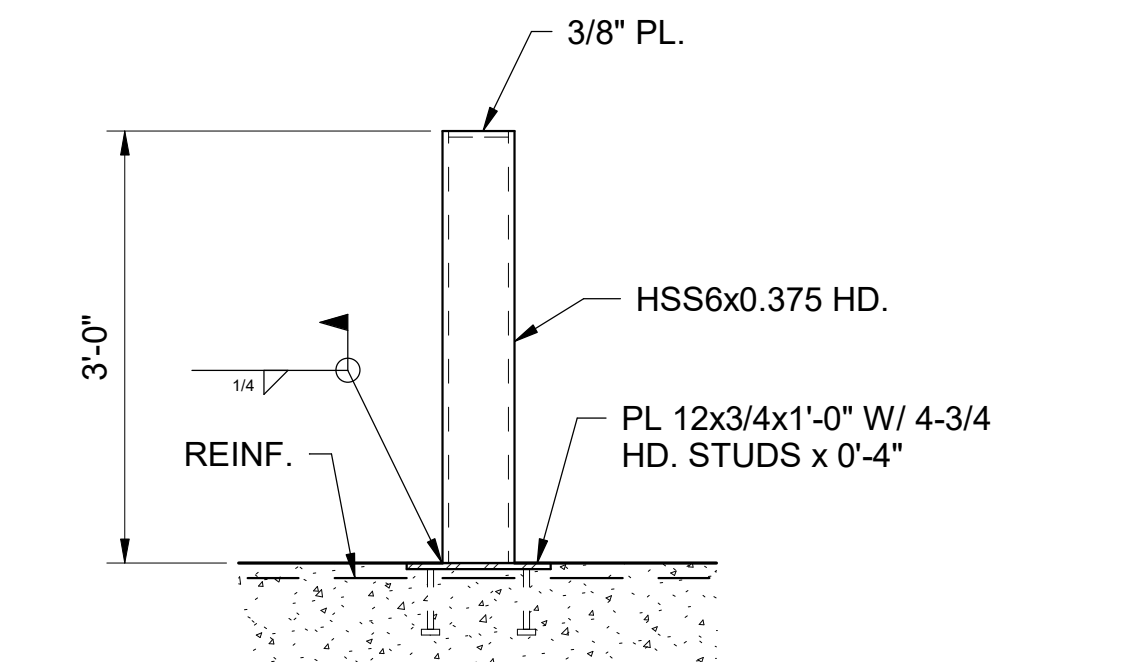


TYPICAL CORNER MASONRY WALL REINF. DETAIL

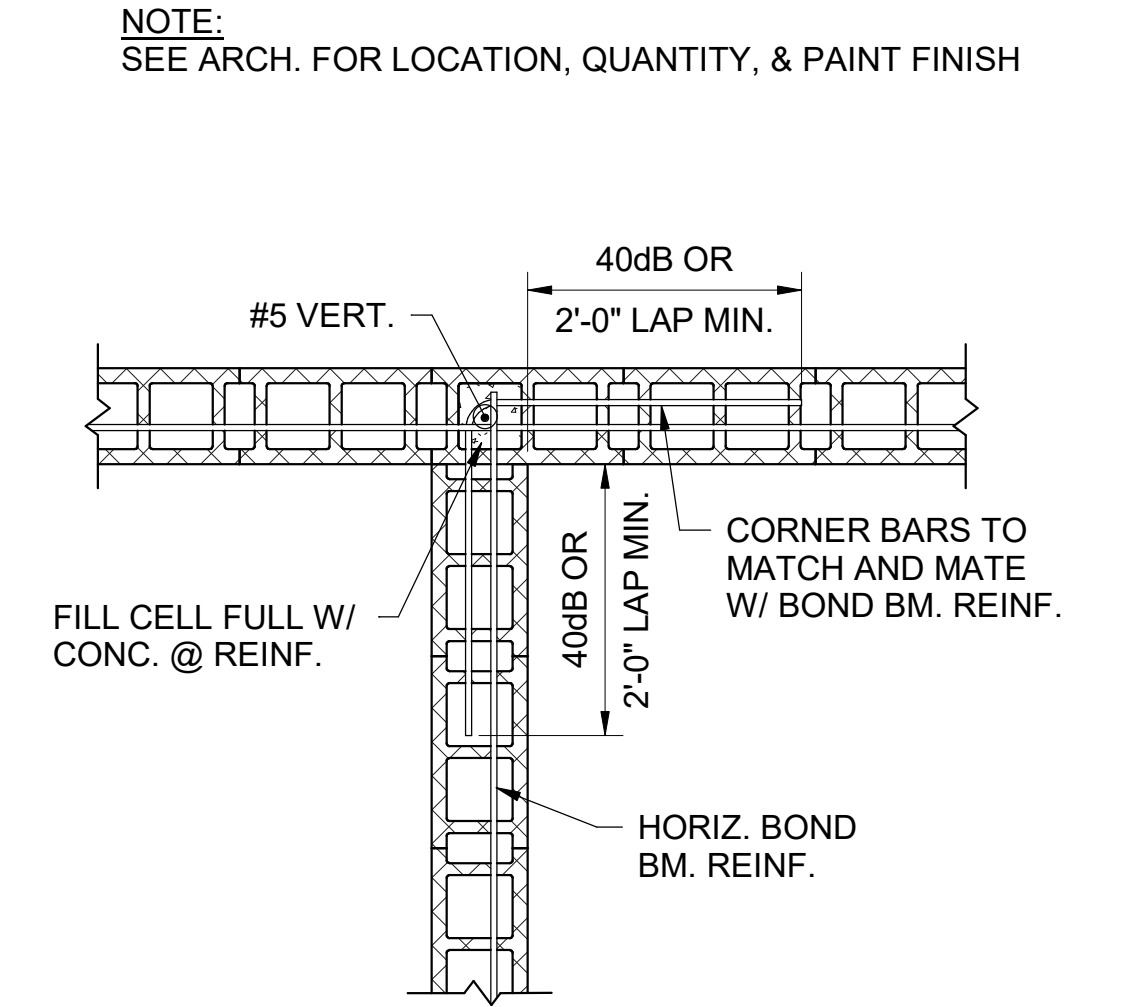


TYPICAL KEYED CONTROL JOINT

- NOTES:
 1. LOCATE AS REQUIRED.

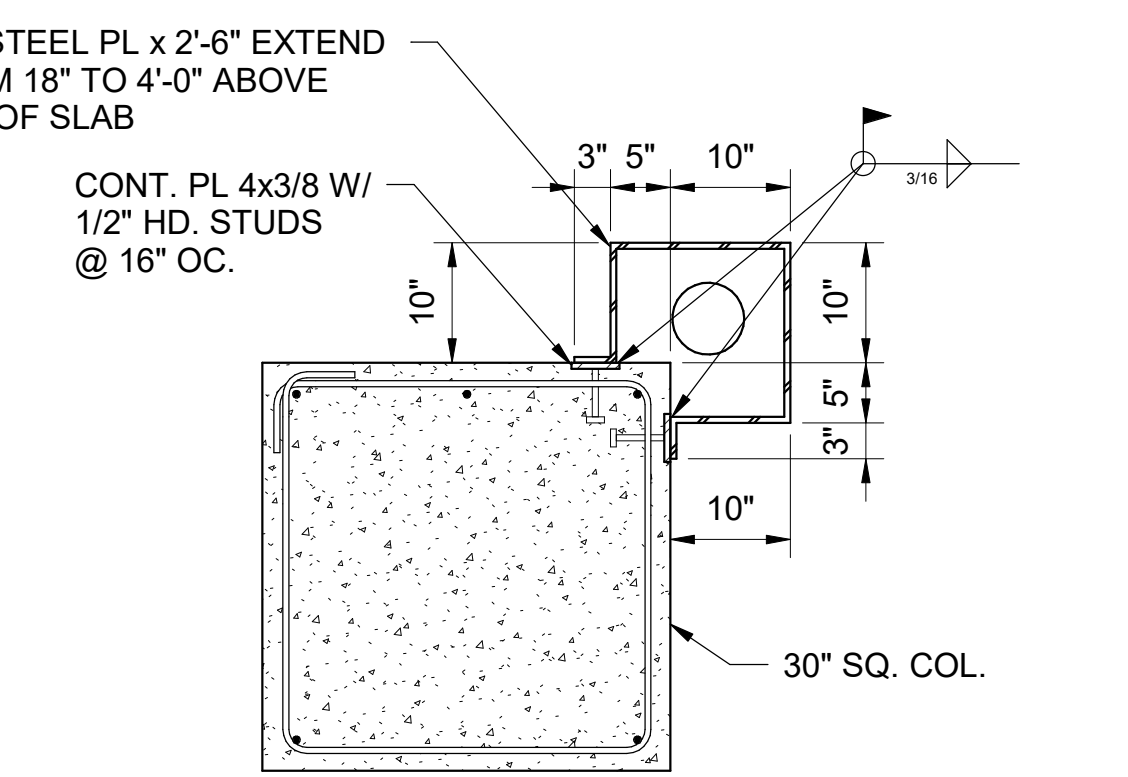


TYPICAL INTERSECTION MASONRY WALL REINF. DETAIL

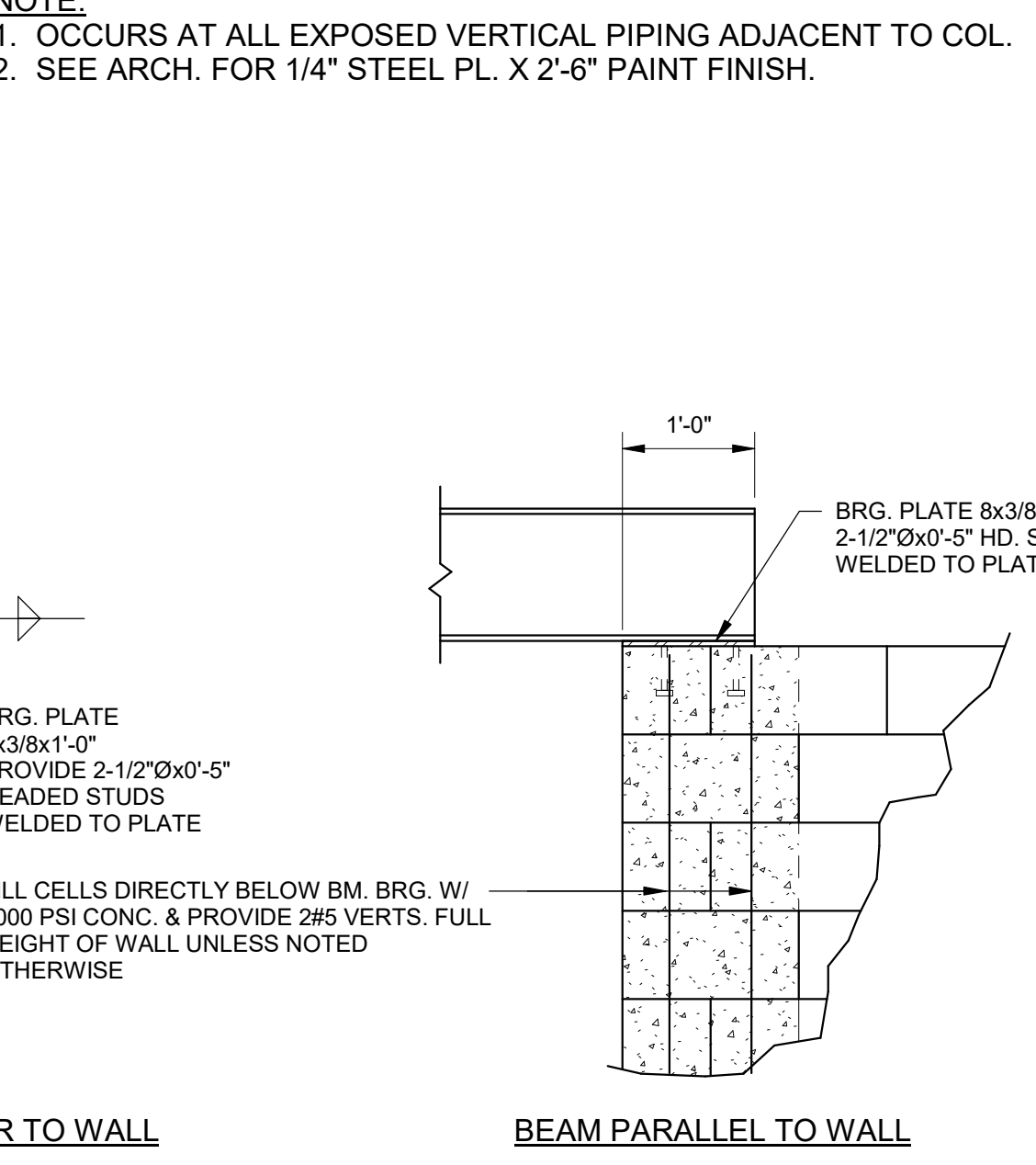


TYPICAL PIPE PROTECTION DETAIL

- NOTE:
 1. OCCURS AT ALL EXPOSED VERTICAL PIPING ADJACENT TO COL.
 2. SEE ARCH. FOR 1/4" STEEL PL. X 2'-6" PAINT FINISH.



TYPICAL STEEL BEAM BEARING ON MASONRY WALL DETAILS



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 1 08/31/2023 JAT: NO. 1

sheet title
 GENERAL NOTES & TYPICAL DETAILS
 job no. **4308**
 date: by: **ATM**
 checked by: **ATM**
 of 156
S1.01
 2 of 20
 date: AUGUST, 01 2023
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Revisions

1 08/31/2023

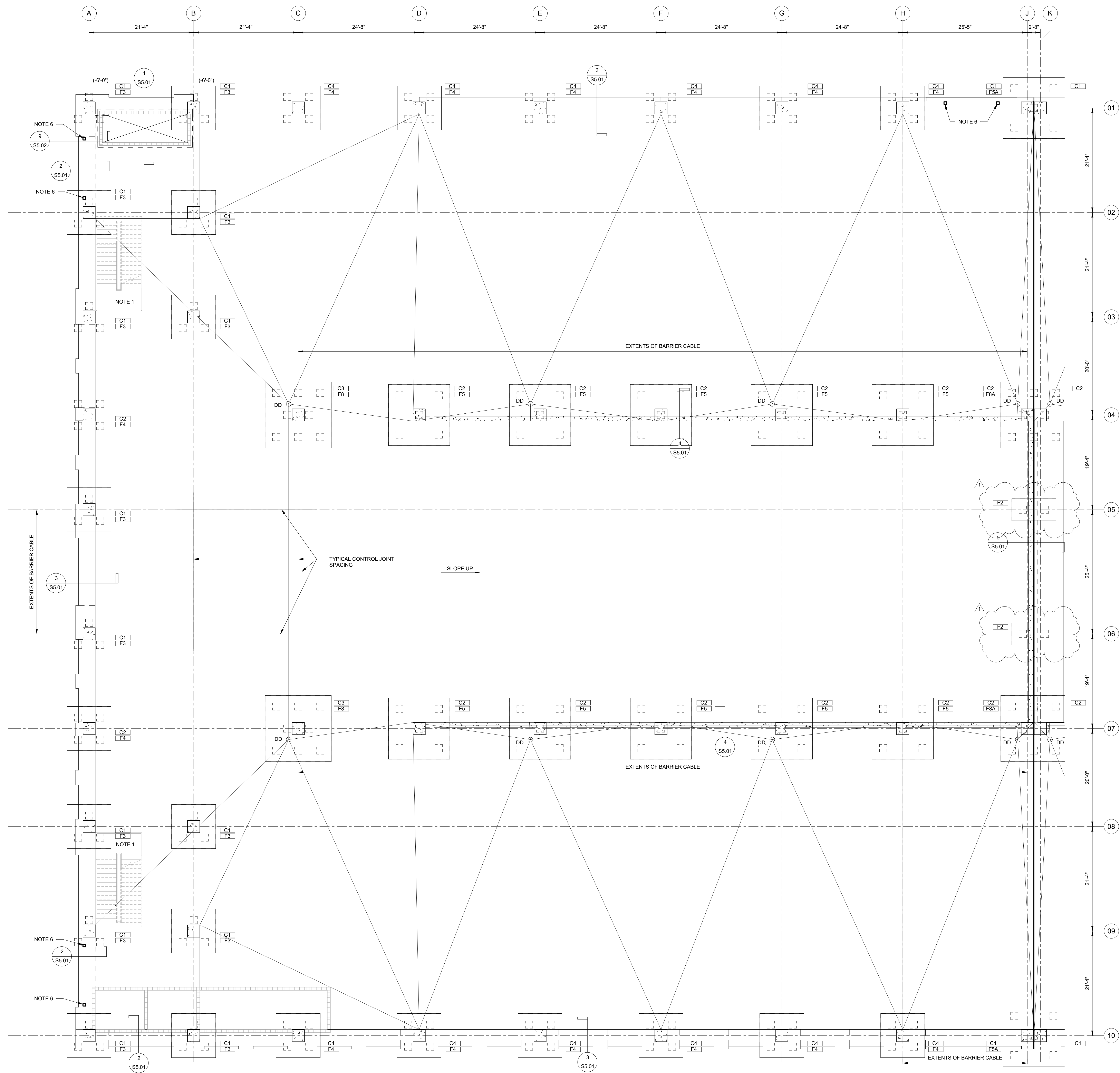
sheet title

LEVEL 1 PLAN - PART A

job no. **4308**
dwg. by **ATM**
chkd. by **ATM**
of 156

date **8/31/2023**
\$2.11
4 of 20

date **AUGUST, 01 2023**
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LEVEL 1 PLAN - PART A

1/8" = 1'-0" TOP OF PILE CAP ELEV. = -2'-0" FROM T.O. SLAB U.N.O.

FLOOR CONSTRUCTION:
5" CONC. SLAB ON DRAINAGE FILL, REINF. W/ 3 LBS. ABC POLYMER TUFMAX DOT PER CUBIC YD. OF CONC.

- NOTES:
- METAL PAN STAIRS. SEE ARCH. FOR DIMENSIONS, DETAILS, AND PAINT FINISH.
 - TOP OF SLAB ELEV @ RIDGE AND ABOVE THE PERIMETER 14.50 U.N.O.
 - TOP OF SLAB @ DECK DRAINS (DD) 13.85.
 - PROVIDE CRICKETS ADJACENT TO COLUMNS AND AT THE BOTTOM OF ALL RAMPS.
 - THE CONCRETE STRUCTURE SHALL DRAIN TO THE DECK DRAINS. IF SLOPES ARE NOT INSTALLED CORRECTLY AND WATER PONDS ON THE DECK THE GENERAL CONTRACTOR WILL BE REQUIRED TO RECTIFY THE DRAINAGE ISSUE AT THEIR EXPENSE.
 - HSS6X6X3/8 COLUMNS W/ 12X1X1'-0" BASE PLATES & 4'-1/2" STUDS

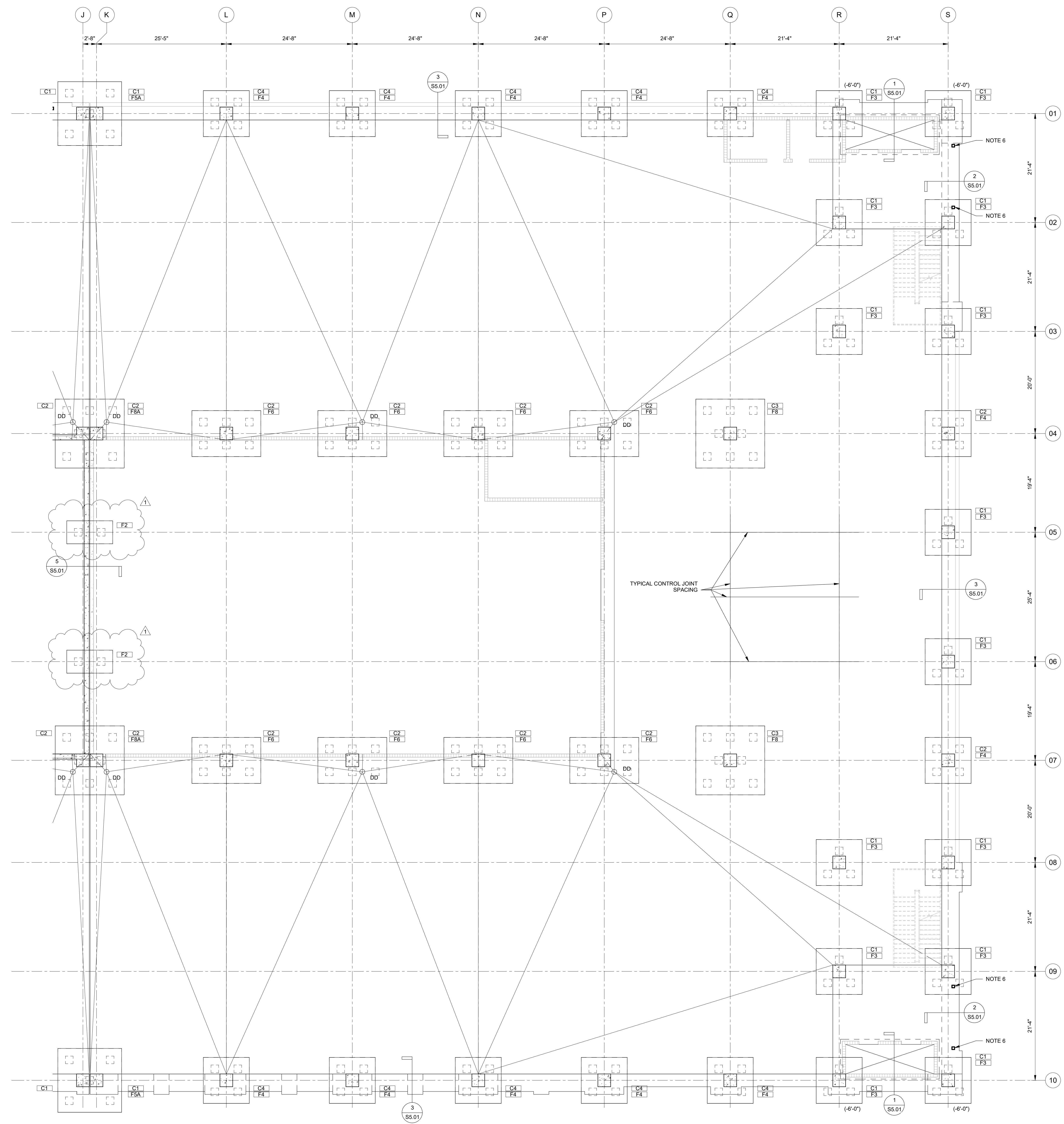
MARK	WIDTH	FOOTING SIZE		REINFORCING
		LENGTH	THICKNESS	
F2	9'-0"	4'-6"	3'-0"	889 EW.
F3	9'-0"	9'-0"	3'-1"	889 EW.
F4	9'-0"	9'-0"	3'-6"	989 EW.
F5	12'-6"	12'-6"	3'-6"	12#9 EW.
F5A	12'-6"	12'-6"	3'-6"	12#9 EW.
F6	13'-6"	9'-0"	4'-2"	13#10 EW.
F6	13'-6"	13'-6"	4'-2"	13#10 EW.
F8A	13'-6"	13'-6"	4'-2"	13#10 EW.

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CONSTRUCTION DOCUMENTS



LEVEL 1 PLAN - PART B

1/8" = 1'-0" TOP OF PILE CAP ELEV. = -2'-0" FROM T.O. SLAB U.N.O.

FLOOR CONSTRUCTION:
5" CONC. SLAB ON DRAINAGE FILL REIN. W/ 3 LBS.
ABC POLYMER TUFMAX DOT PER CUBIC YD. OF CONC.

- NOTES:
1. METAL PAN STAIRS SEE ARCH. FOR DIMENSIONS, DETAILS, AND PAINT FINISH.
 2. TOP OF SLAB ELEV. @ RIDGE AND ABOVE THE PERIMETER 14.50 U.N.O.
 3. TOP OF SLAB @ DECK DRAINS (DD) 13.83
 4. PROVIDE CRICKETS ADJACENT TO COLUMNS AND AT THE BOTTOM OF ALL RAMPS.
 5. THE CONCRETE STRUCTURE SHALL DRAIN TO THE DECK DRAINS. IF SLOPES ARE NOT INSTALLED CORRECTLY AND WATER PONDS ON THE DECK THE GENERAL CONTRACTOR WILL BE REQUIRED TO RECTIFY THE DRAINAGE ISSUE AT THEIR EXPENSE.
 6. HSS6X3/8 COLUMNS W/ 12X11'-0" BASE PLATES & 4-3/4" Ø A. BOLTS.

PILE CAP SCHEDULE				
MARK	WIDTH	LENGTH	THICKNESS	REINFORCING
F2	9'-0"	4'-6"	3'-0"	8#9 EW.
F3	9'-0"	9'-0"	3'-1"	8#9 EW.
F4	9'-0"	9'-0"	3'-6"	9#9 EW.
F5	12'-6"	12'-6"	3'-6"	12#9 EW.
F5A	12'-6"	12'-6"	3'-6"	12#9 EW.
F6	13'-6"	9'-0"	4'-2"	13#10 EW.
F8	13'-6"	13'-6"	4'-2"	13#10 EW.
F8A	13'-6"	13'-6"	4'-2"	13#10 EW.

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Revisions
 1 08/31/2023 JED: NO. 1

sheet title
LEVEL 1 PLAN - PART B

job no. **4308**

drawn by **ATM** SM: JED

checked by **ATM** of 156

date **5.12.23**

date **AUGUST, 01 2023**

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Revisions table with columns for date, description, and initials.

Project information table including job no. 4308, sheet no. 27 of 156, and date AUGUST, 01 2023.

CONCRETE COLUMN SCHEDULE

Table with columns for MARK, FLOOR, SIZE, and REINFORCING (VERT, TIES) for various column types (C1-C4).

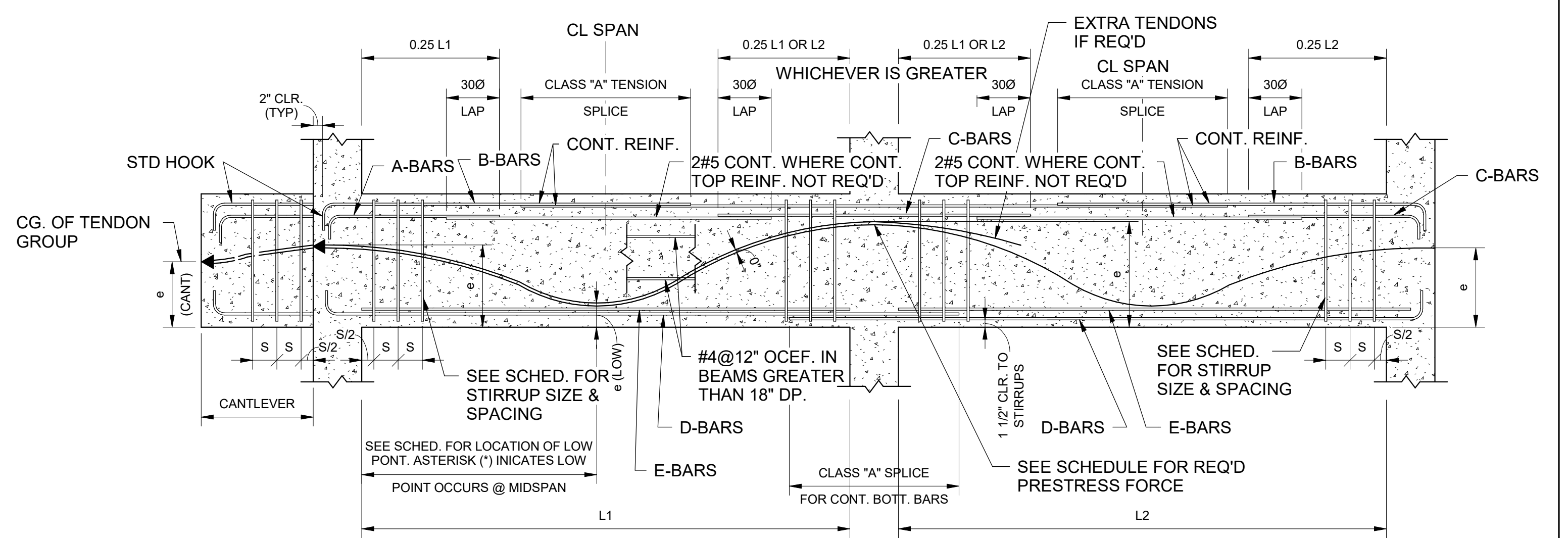
COLUMN LAP SPLICES (CLASS "B") table with columns for BAR SIZE and LAP LENGTH.

BEAM SCHEDULE

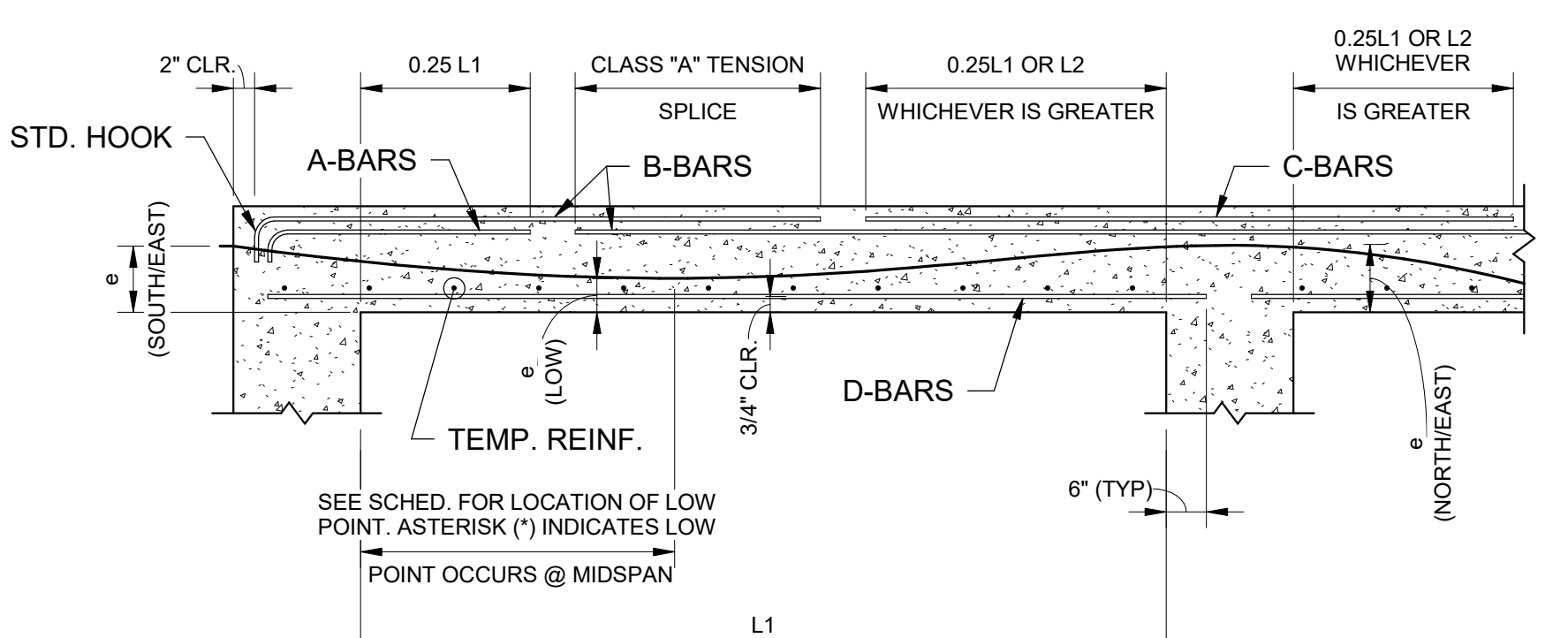
Large table with columns for MARK, BEAM SIZE, LONGITUDINAL STEEL, STIRRUPS, POST-TENSIONING TENDONS, and NOTES.

SLAB SCHEDULE

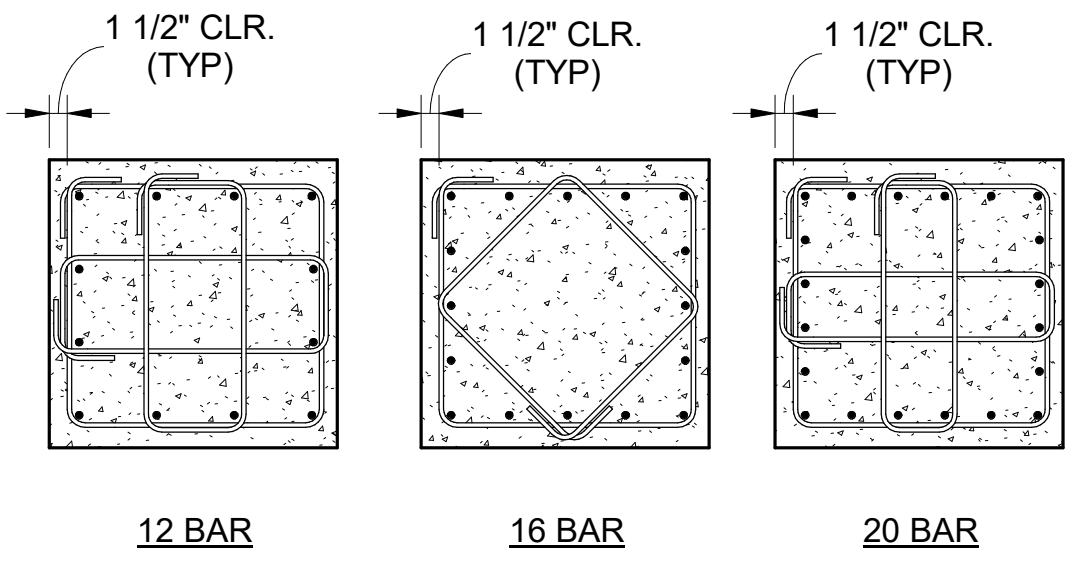
Table with columns for MARK, DEPTH, LONGITUDINAL STEEL, POST-TENSIONING TENDONS, and NOTES.



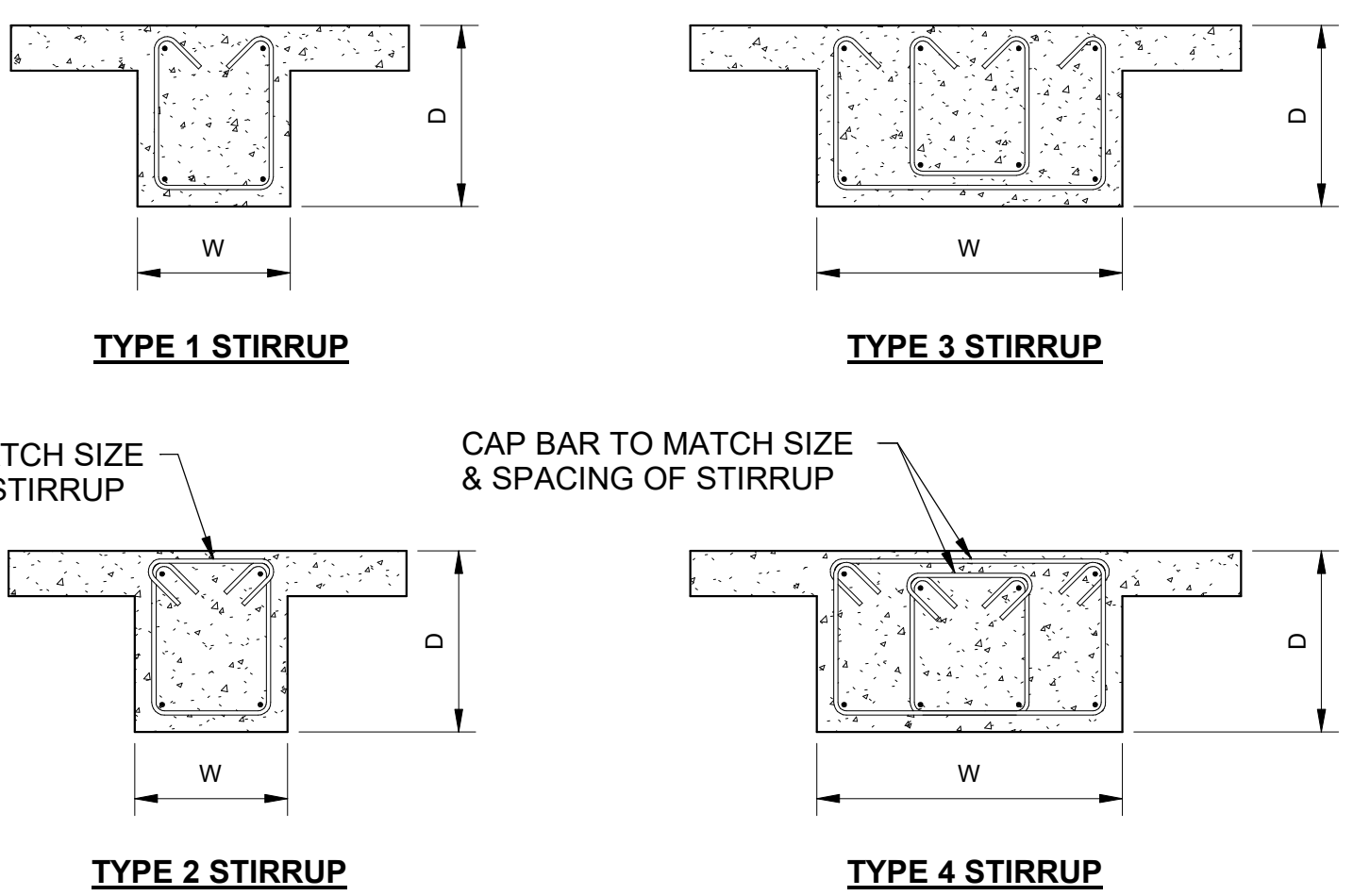
TYPICAL BEAM BAR DIAGRAM



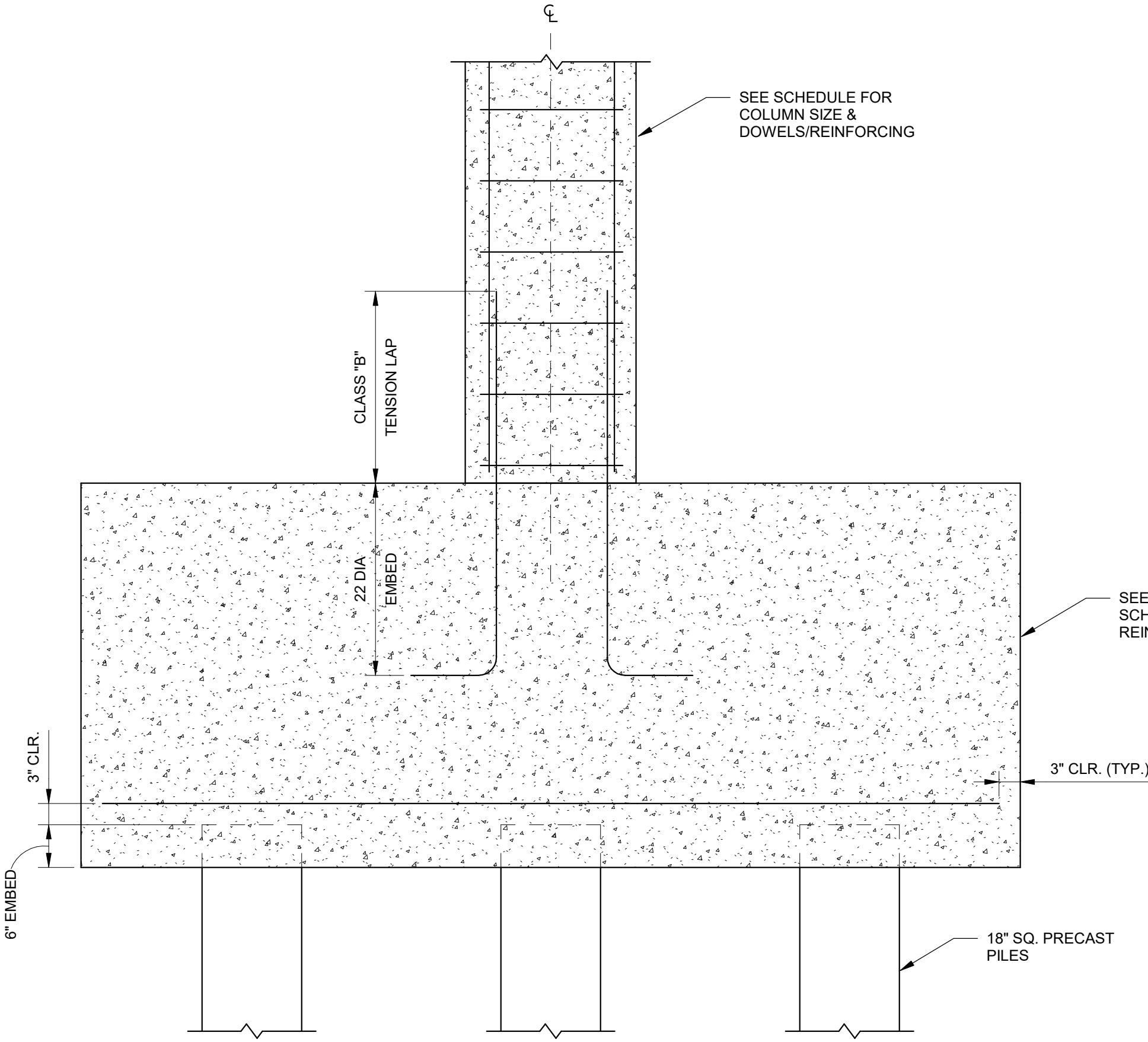
TYPICAL SLAB BAR DIAGRAM



TYPICAL COLUMN TIE ARRANGEMENTS



TYPICAL BEAM STIRRUPS



TYPICAL PILE CAP DETAIL

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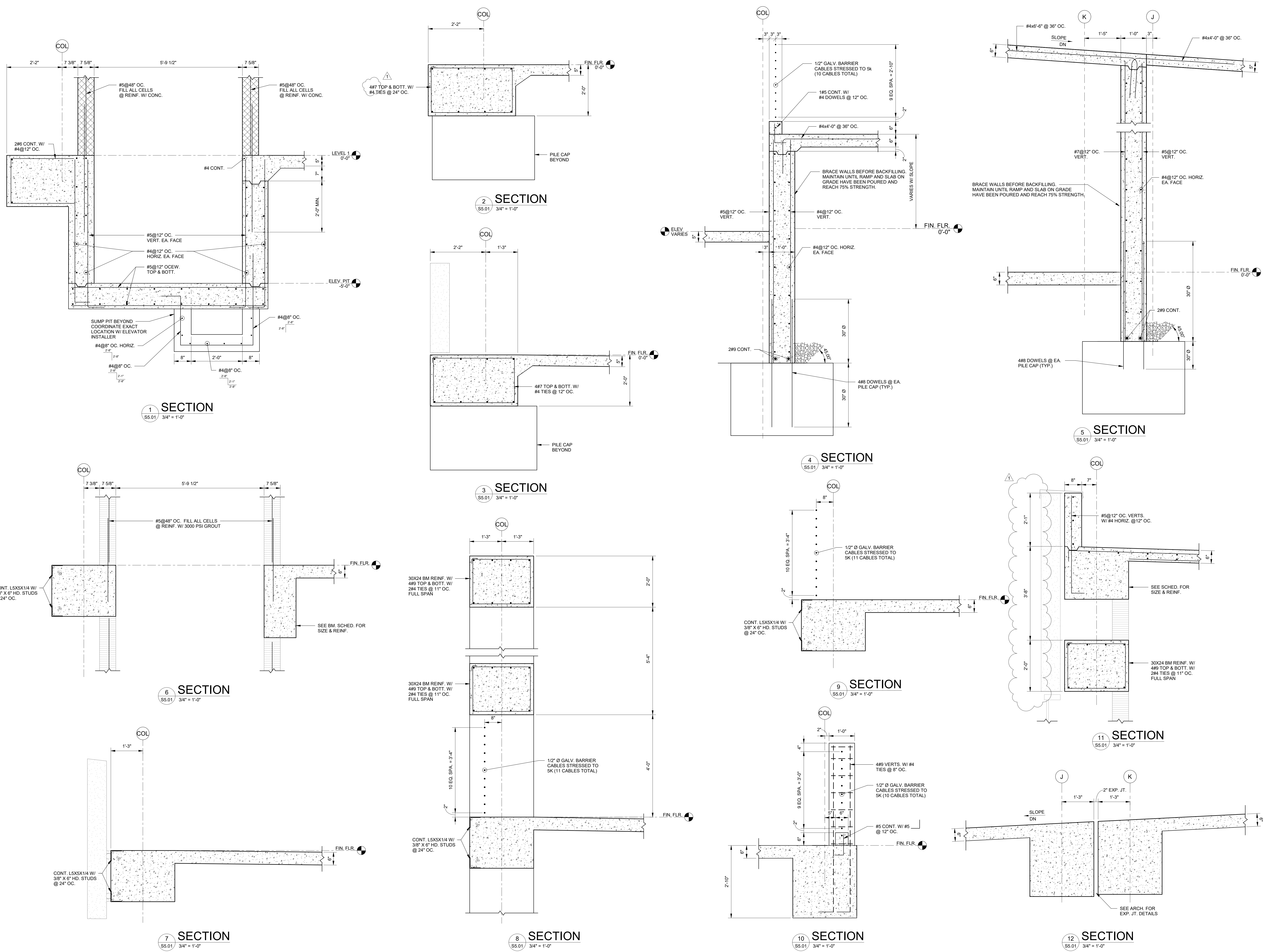
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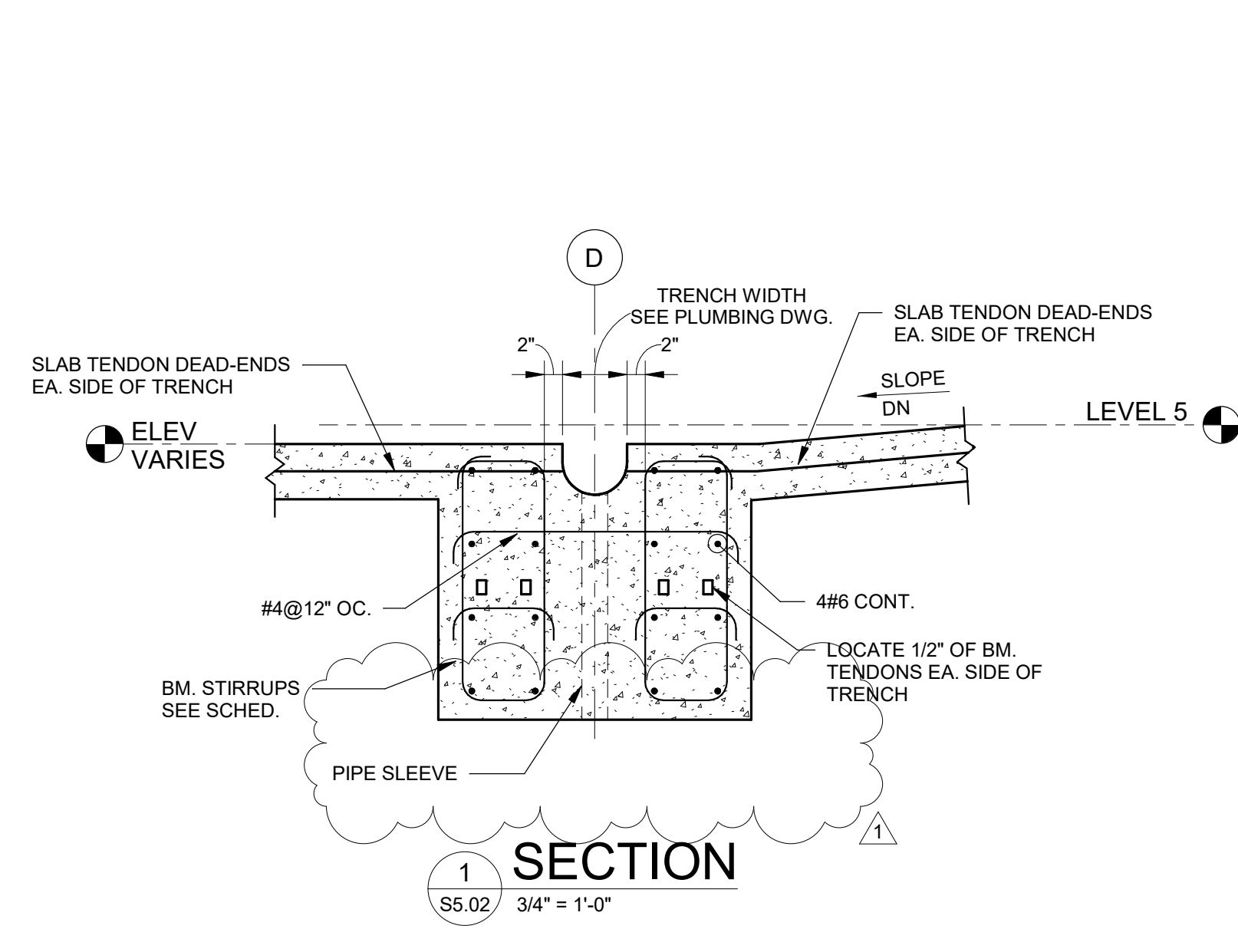
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sheet title	
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drawn by	ATM
checked by	28
date	AUGUST, 01 2023
scale	19 of 20
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scale	19 of 20

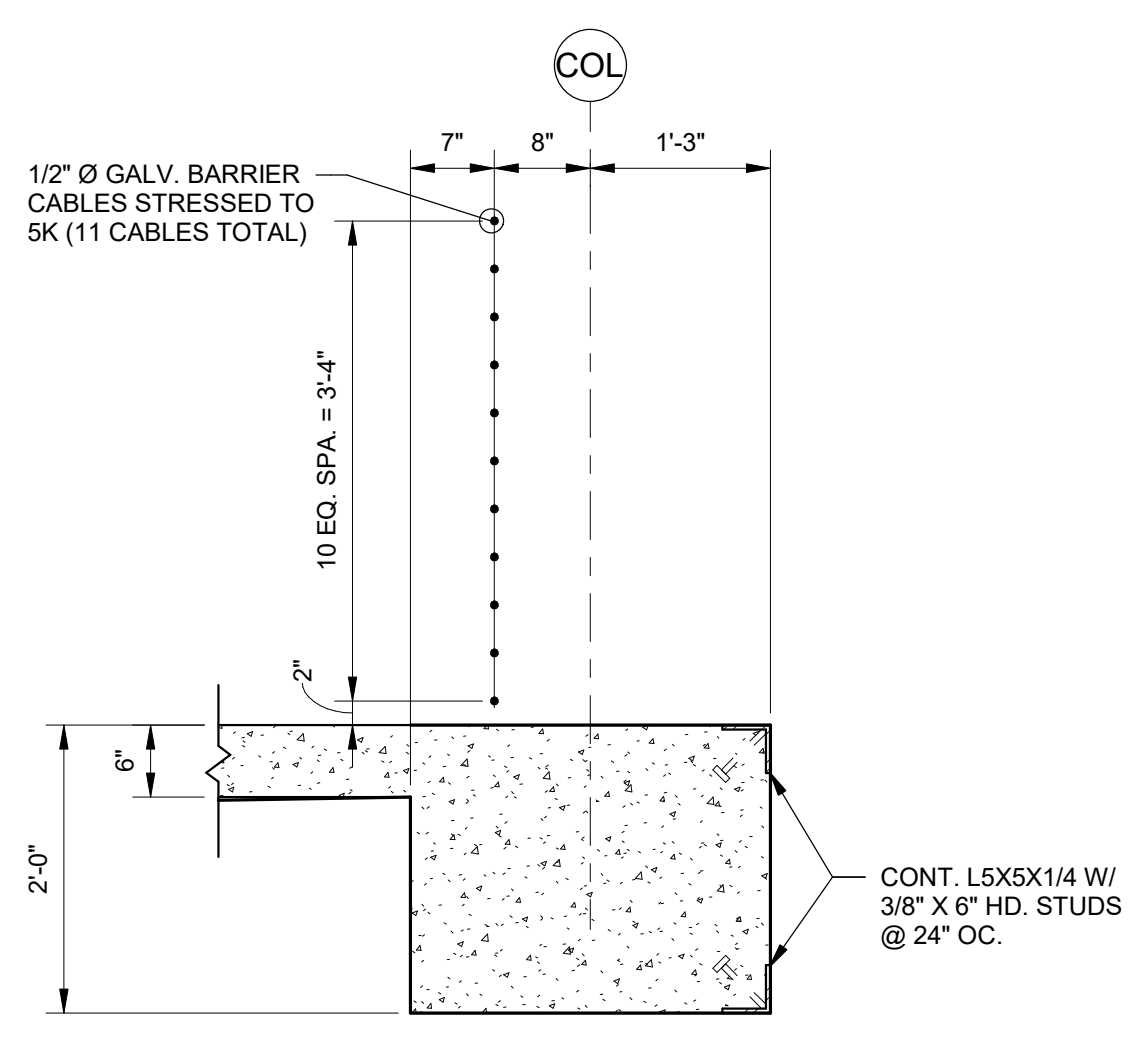


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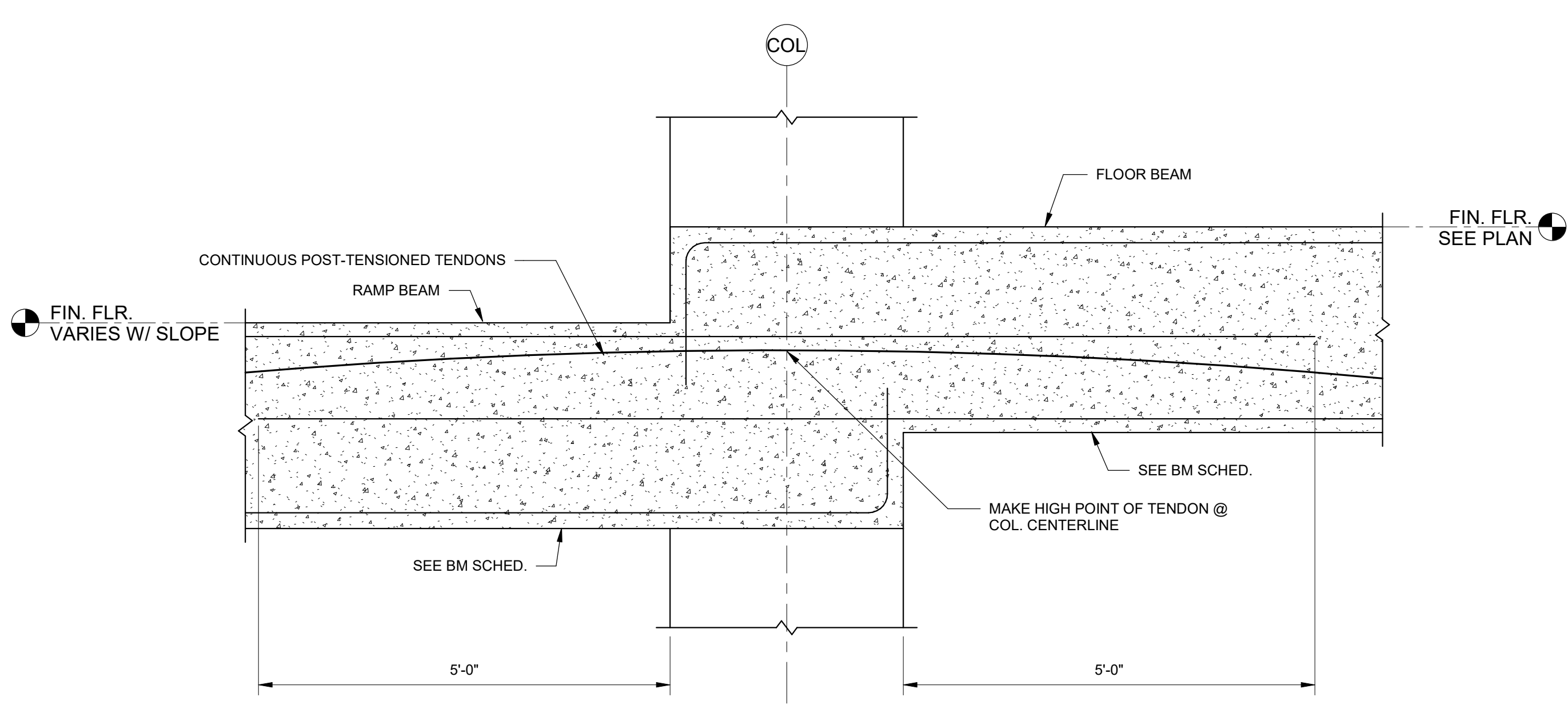
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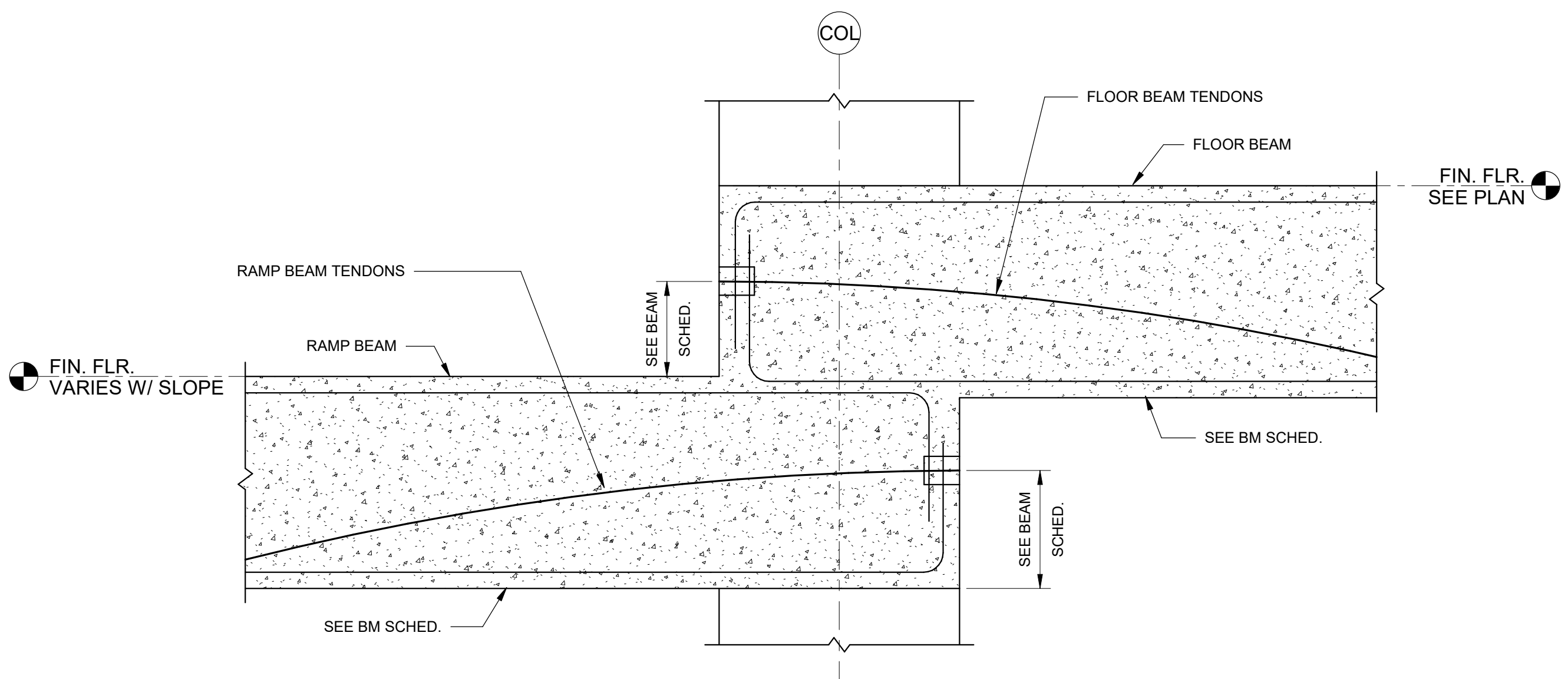
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S5.02 3/4" = 1'-0"



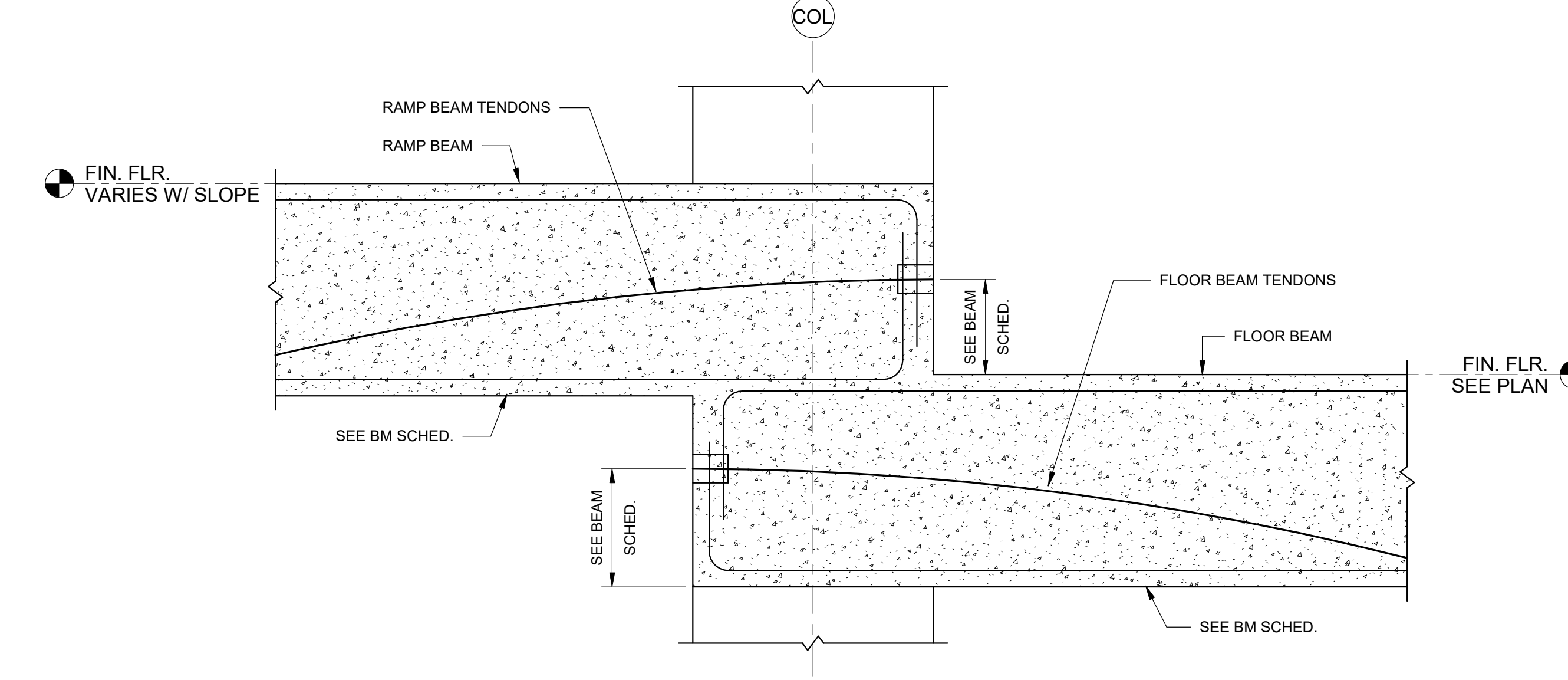
SECTION 2
S5.02 3/4" = 1'-0"



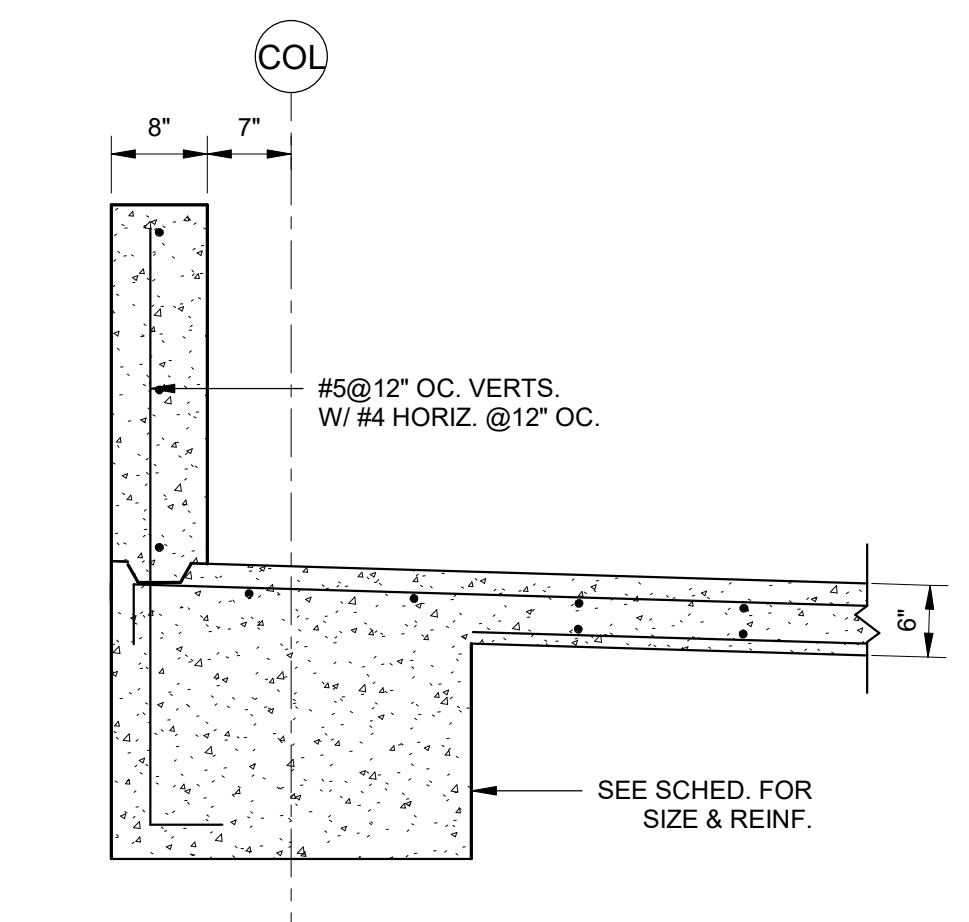
SECTION 3
S5.02 3/4" = 1'-0"



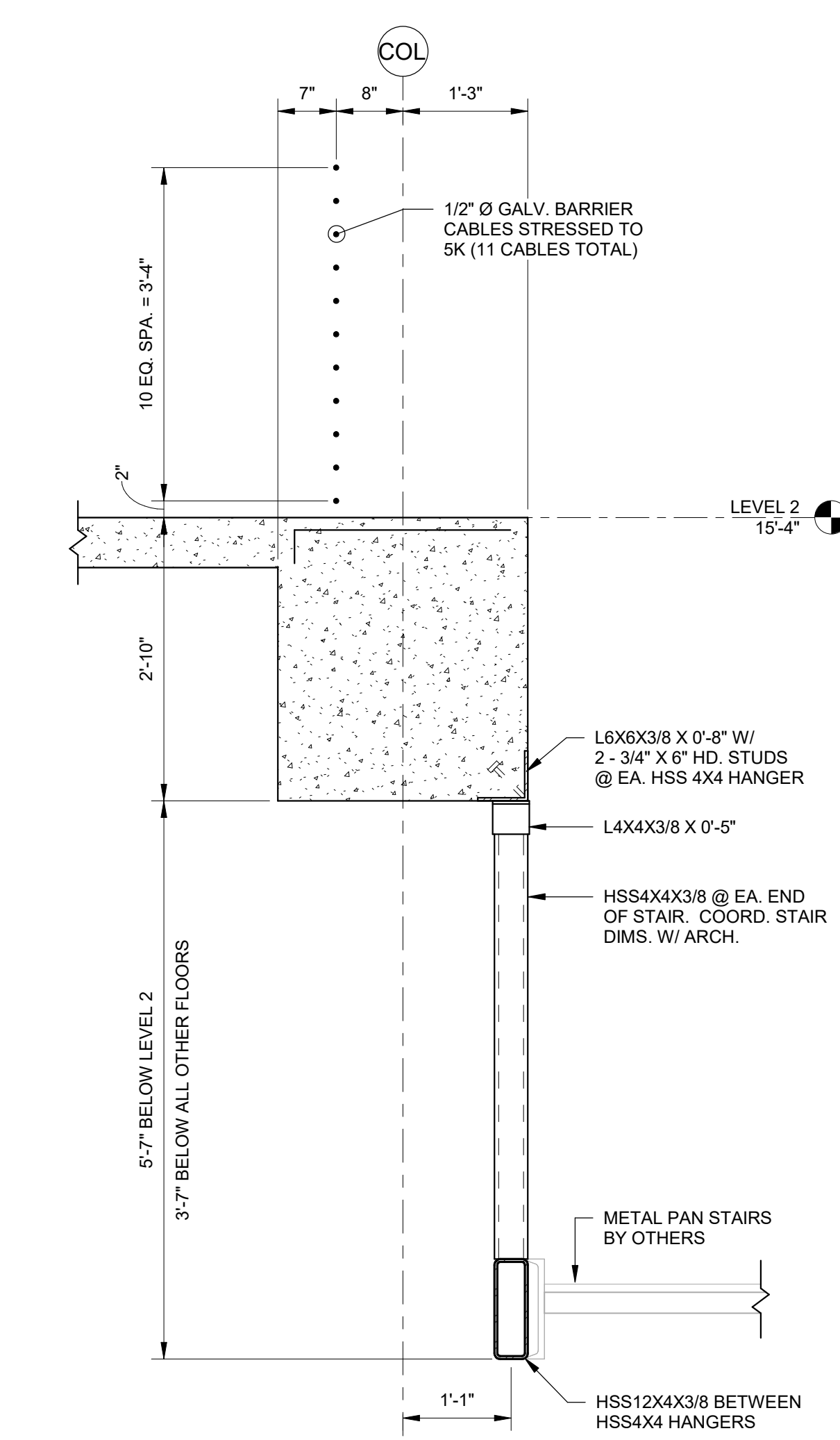
SECTION 4
S5.02 3/4" = 1'-0"



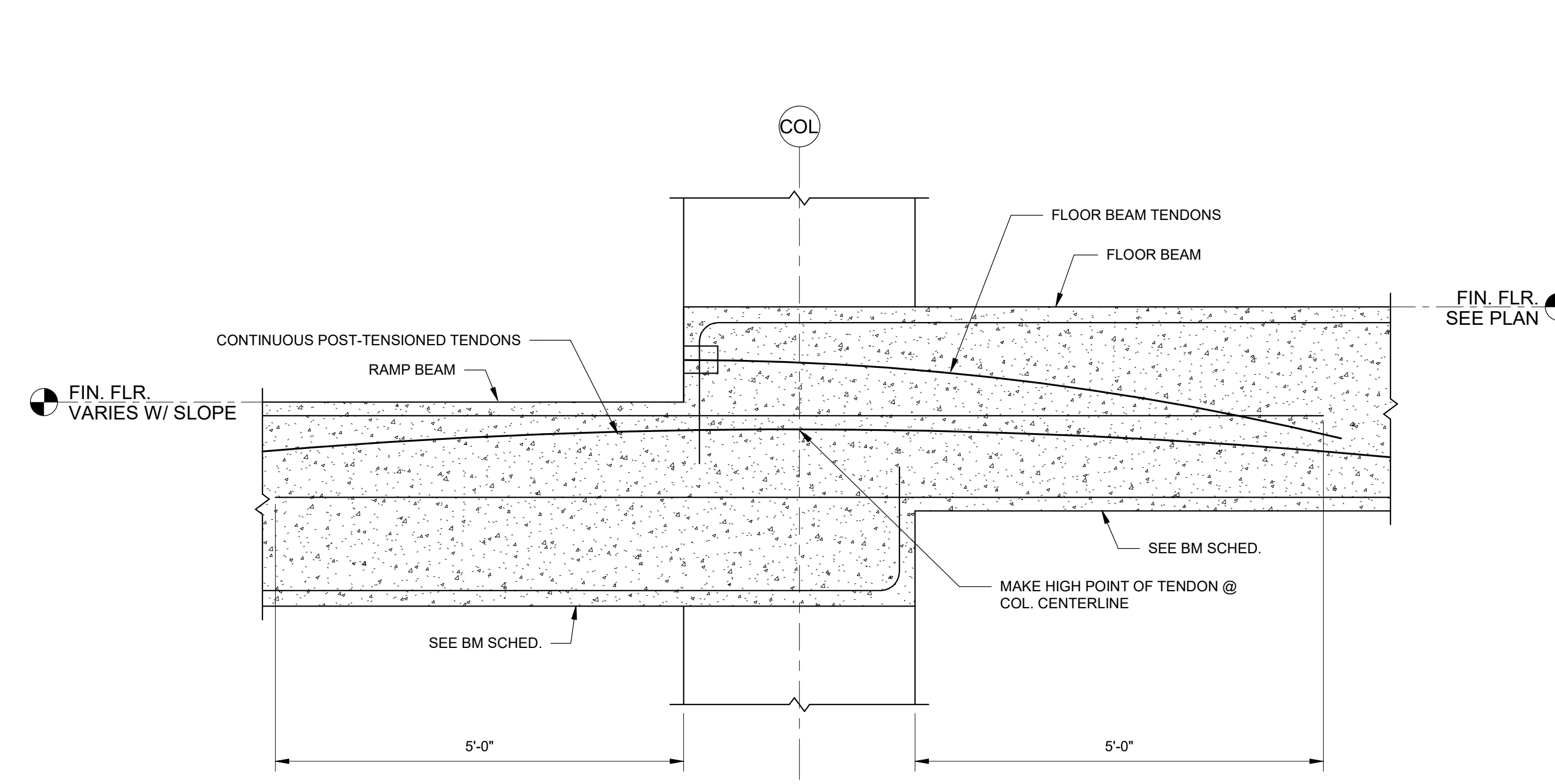
SECTION 5
S5.02 3/4" = 1'-0"



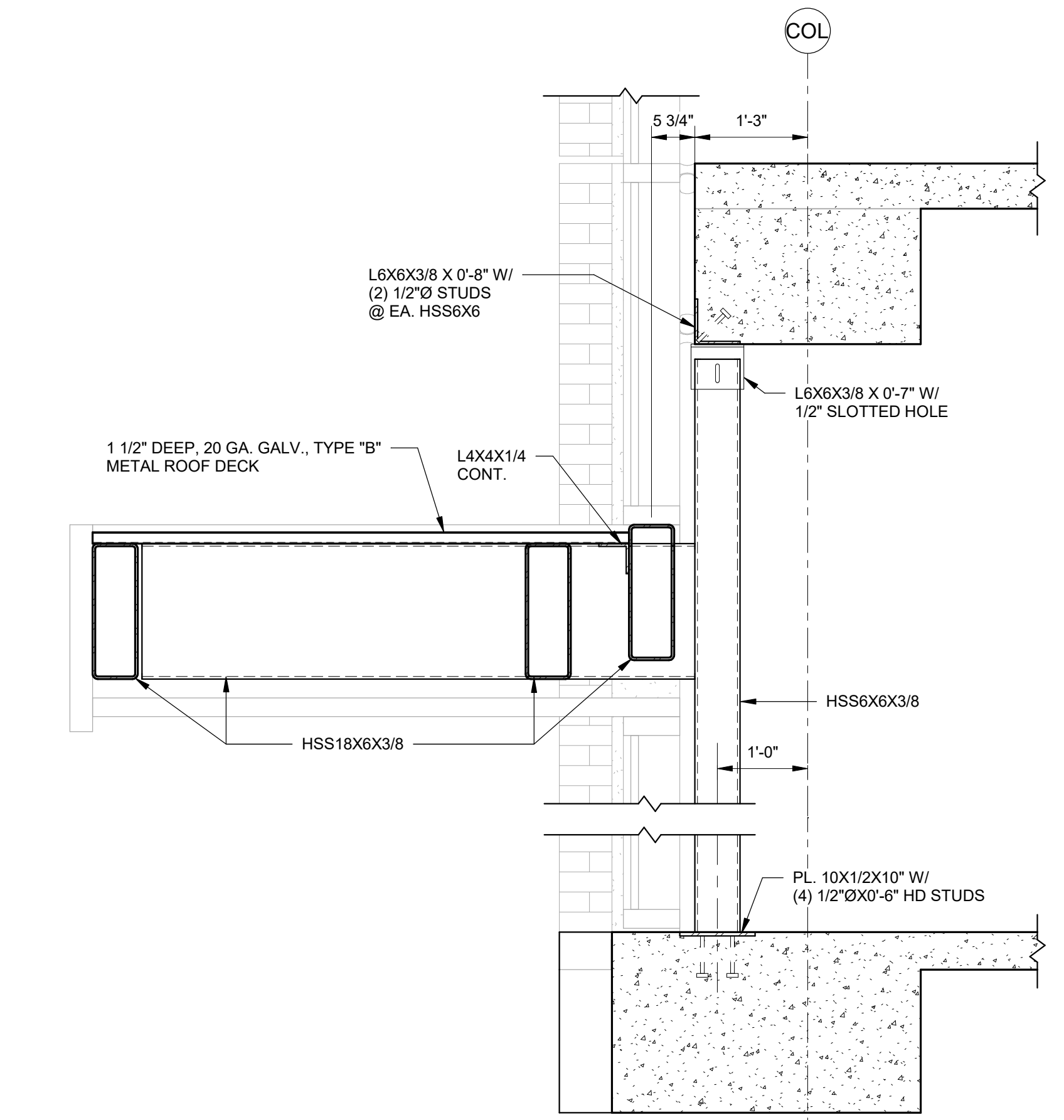
SECTION 6
S5.02 3/4" = 1'-0"



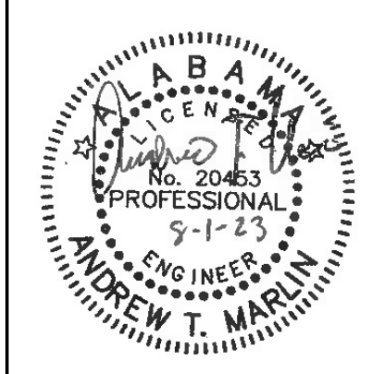
SECTION 7
S5.02 3/4" = 1'-0"



SECTION 8
S5.02 3/4" = 1'-0"



SECTION 9
S5.02 3/4" = 1'-0"

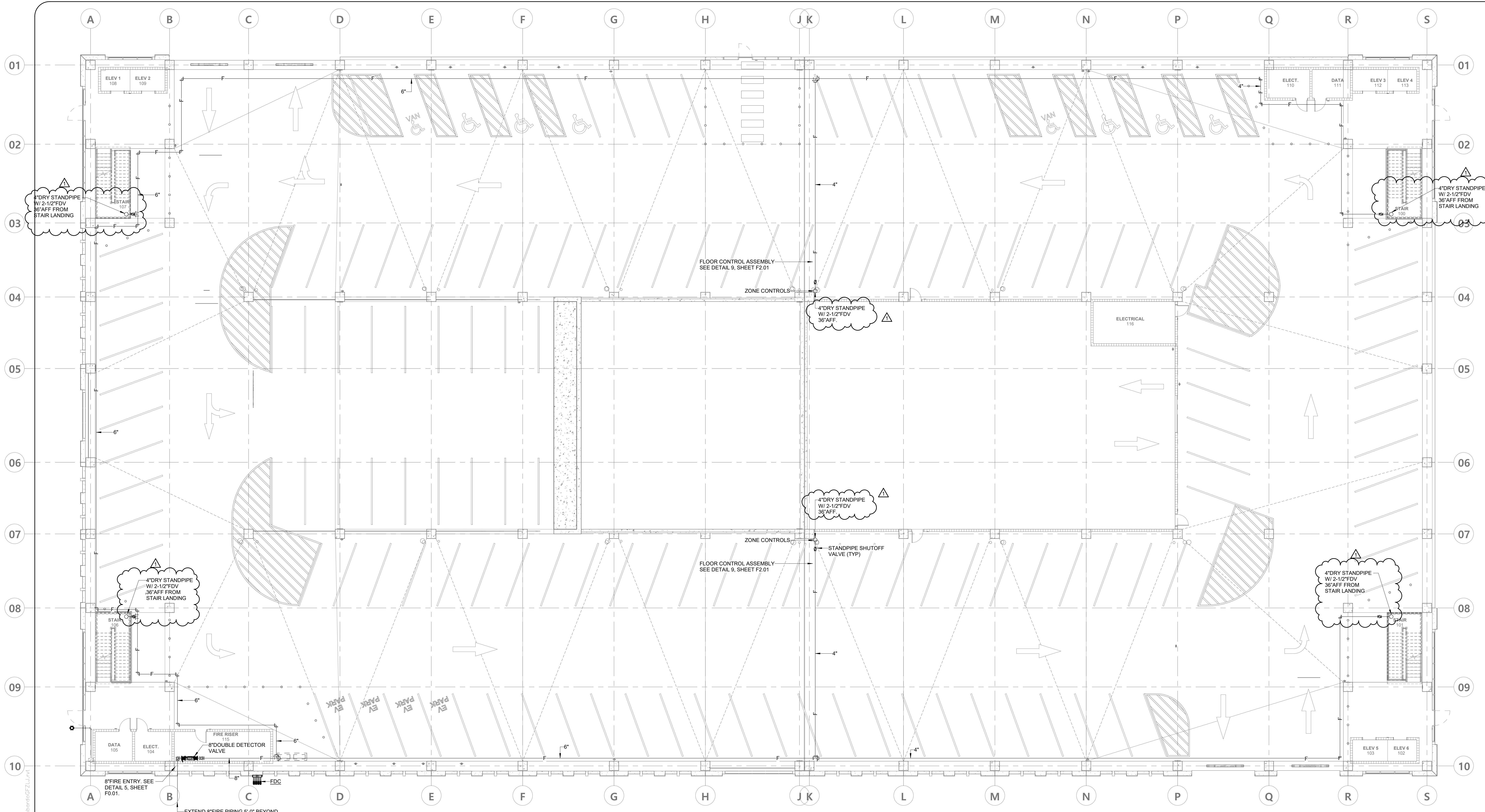


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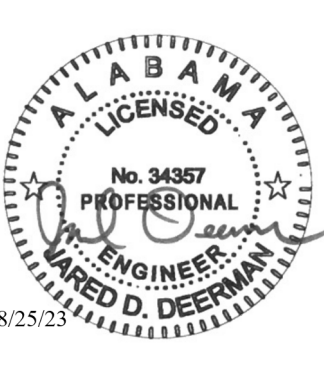
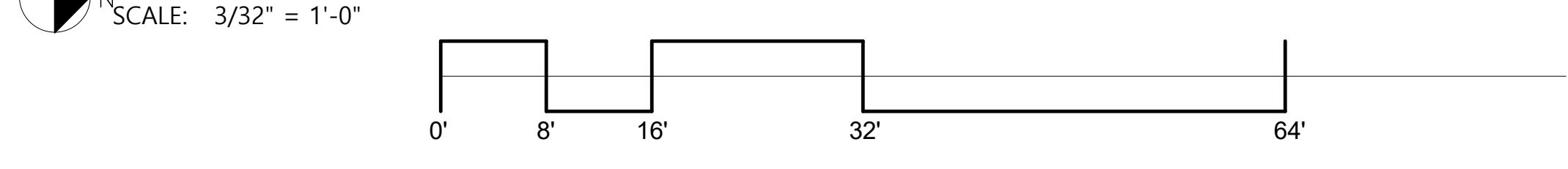
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job no.	4308
des. by	ATM
chk. by	ATM
date	08/31/2023
of	156
S5.02	
20 of 20	
date	AUGUST, 01 2023
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LAYOUT PLAN - LEVEL 1 - FIRE PROTECTION



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Revisions	1	08/25/23	4402600101
sheet title	LAYOUT PLAN - LEVEL 1 - OVERALL FIRE PROTECTION		
job no.	4308		
drawn by	NEL	checked by	CPS
sheet no.	108 of 158		
date	August 5, 2023		
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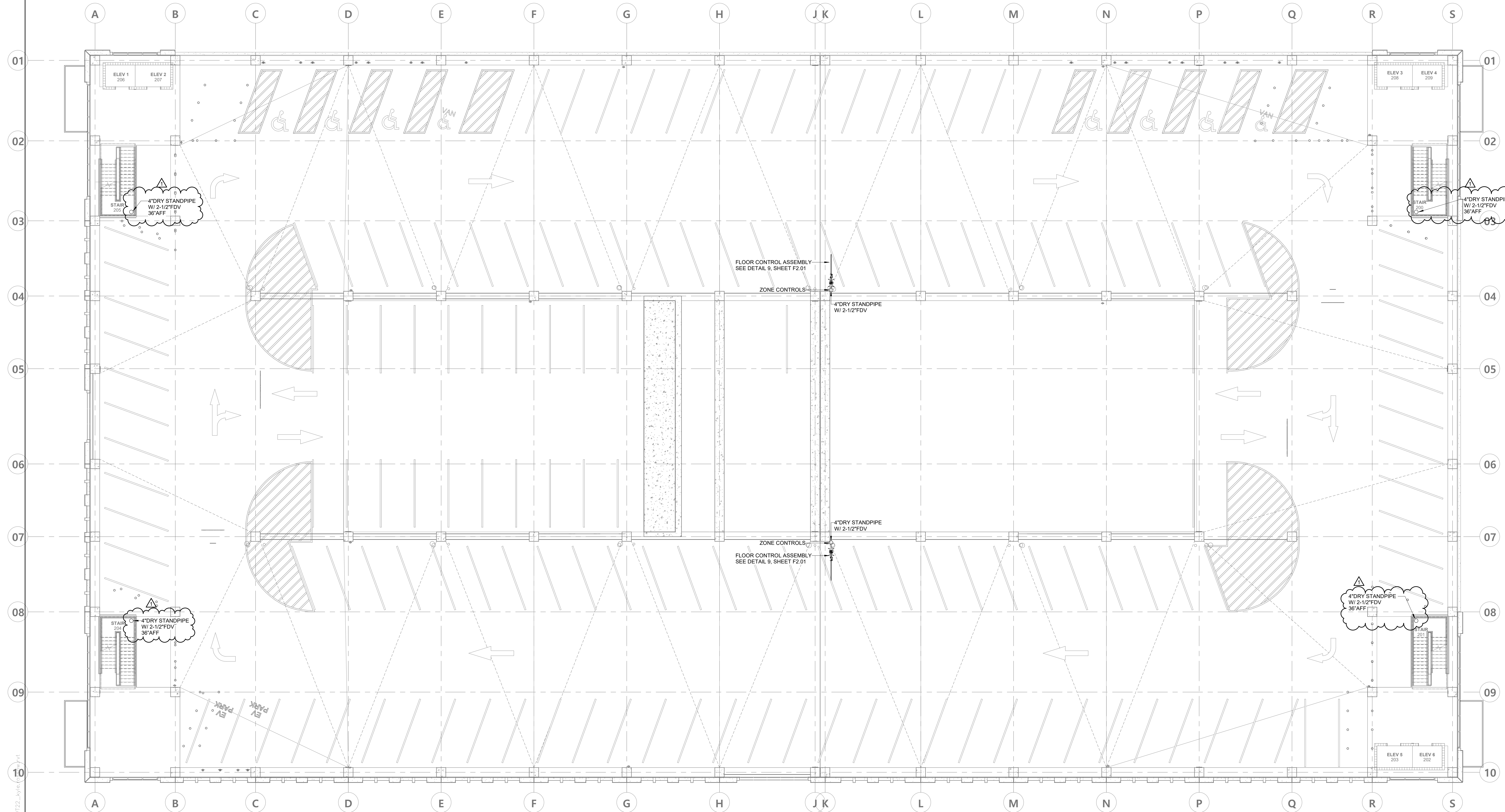
3332 Old Montgomery Hwy,
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 Birmingham, AL 35209
 Phone: (205) 224-0550

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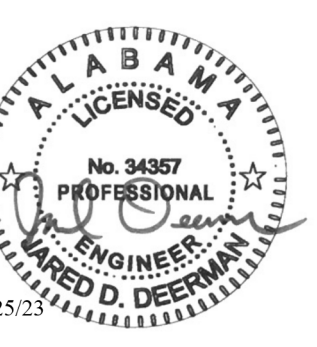
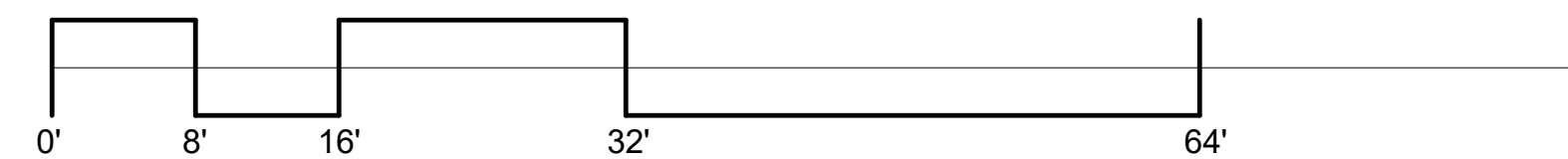
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LAYOUT PLAN - LEVEL 2 - FIRE PROTECTION

SCALE: 3/32" = 1'-0"



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Revisions	1	08/25/23	44000001
sheet title	LAYOUT PLAN - LEVEL 2 - OVERALL FIRE PROTECTION		
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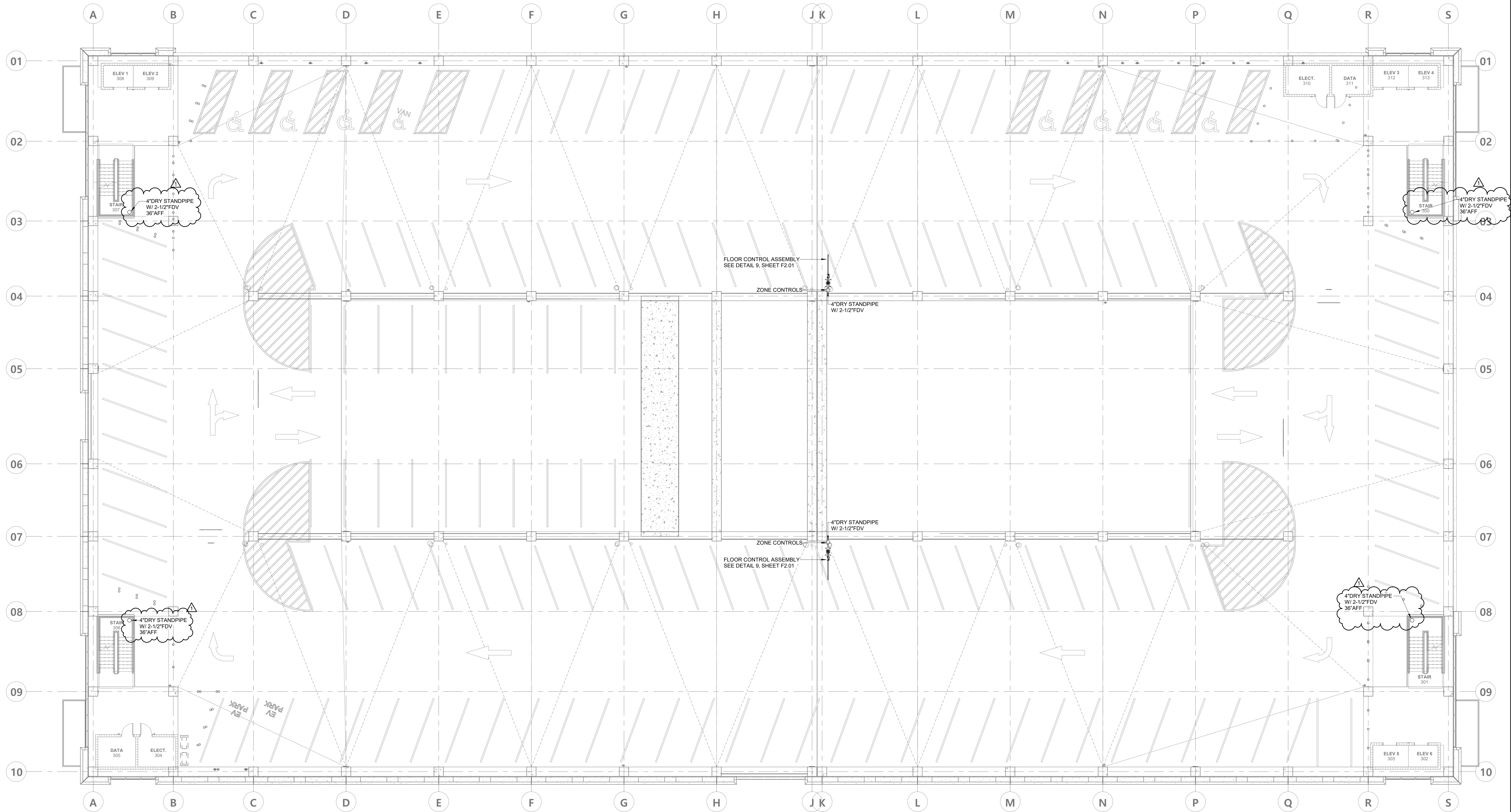


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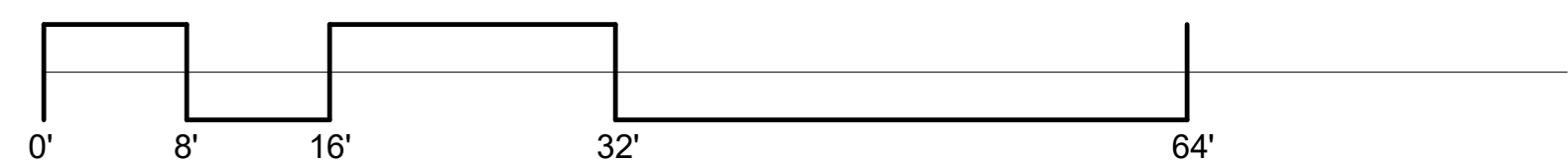
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LAYOUT PLAN - LEVEL 3 - FIRE PROTECTION

SCALE: 3/32" = 1'-0"



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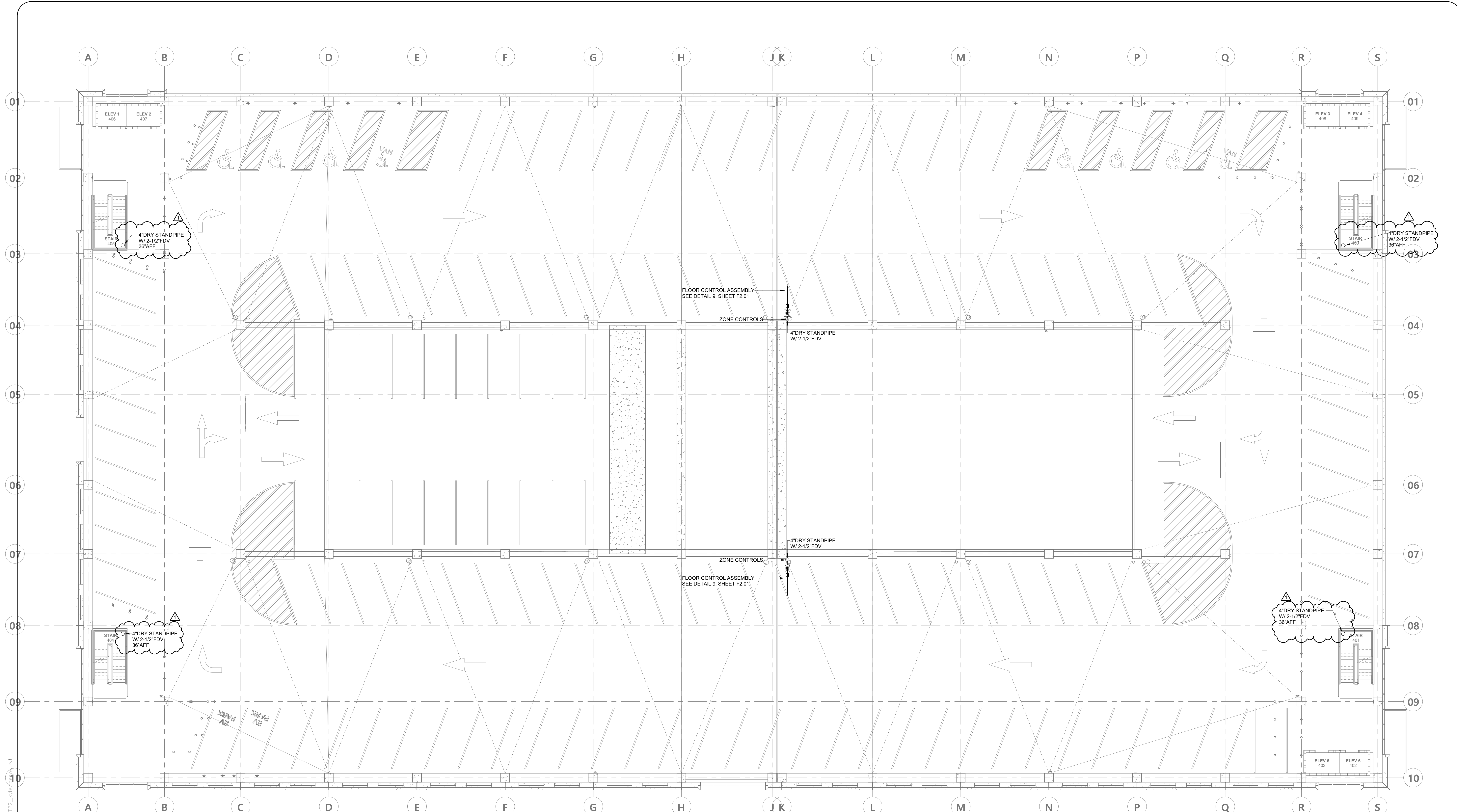
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checked by	CPS
sheet no.	110 of 158
date	August 5, 2023
author	Evan Terry Associates, LLC

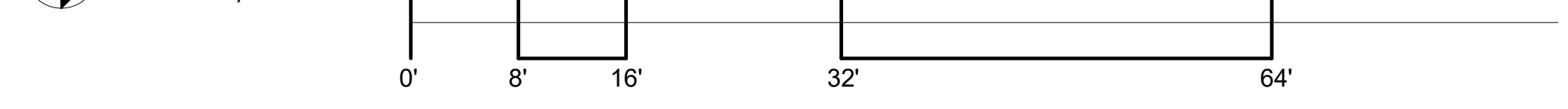


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LAYOUT PLAN - LEVEL 4 - FIRE PROTECTION



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Construction Documents

**Mobile Civic Center
Parking Facility**
Mobile, Alabama

ALABAMA
LICENSED PROFESSIONAL ENGINEER
No. 34567
TED D. DEERMAN

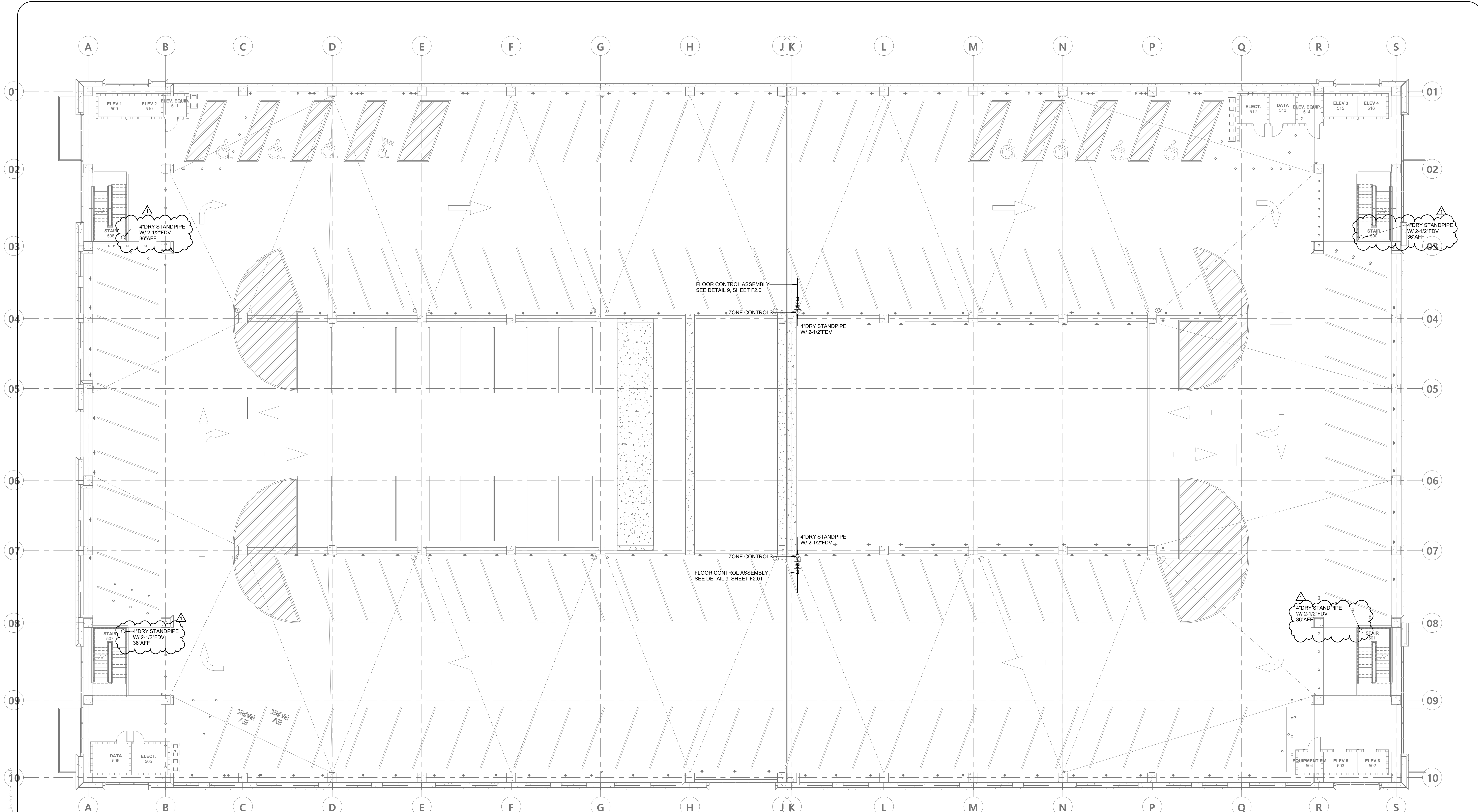
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1	job no. 4308
	drawn by NEL
	checked by CPS
	sheet no. 111 of 158
	job no. F2.40
	date August 5, 2023
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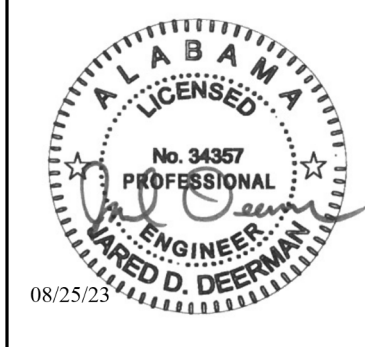
CC-085-22



LAYOUT PLAN - LEVEL 5 - FIRE PROTECTION

SCALE: 3/32" = 1'-0"
 0' 8' 16' 32' 64'

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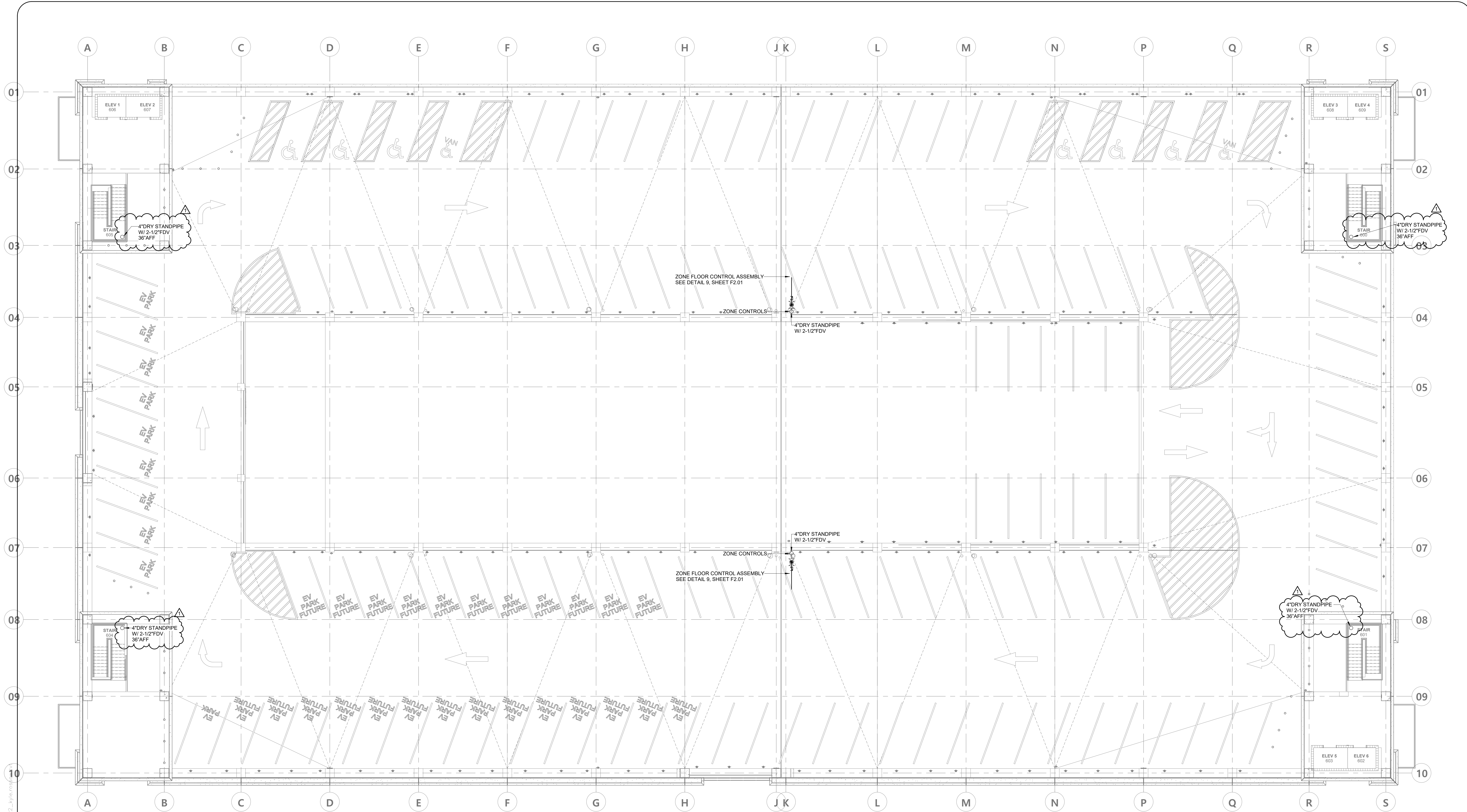
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Revisions	1	08/25/23	4400000001
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drawn by	NEL	112	
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date	August 5, 2023		
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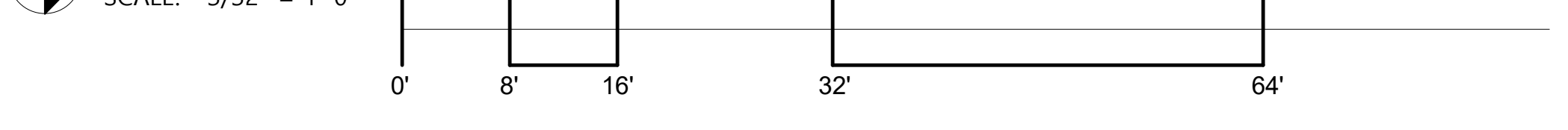


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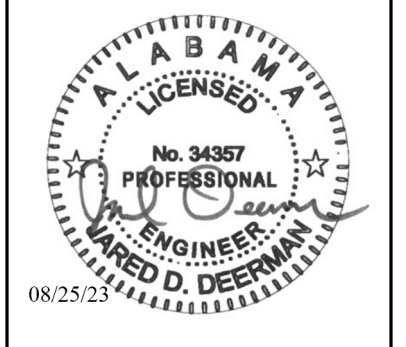
CC-085-22



LAYOUT PLAN - LEVEL 6 - FIRE PROTECTION



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Revisions	1	08/25/23	14026000001
sheet title	LAYOUT PLAN - LEVEL 6 - OVERALL FIRE PROTECTION		
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drawn by	NEL	113	
checked by	CPS		of 158
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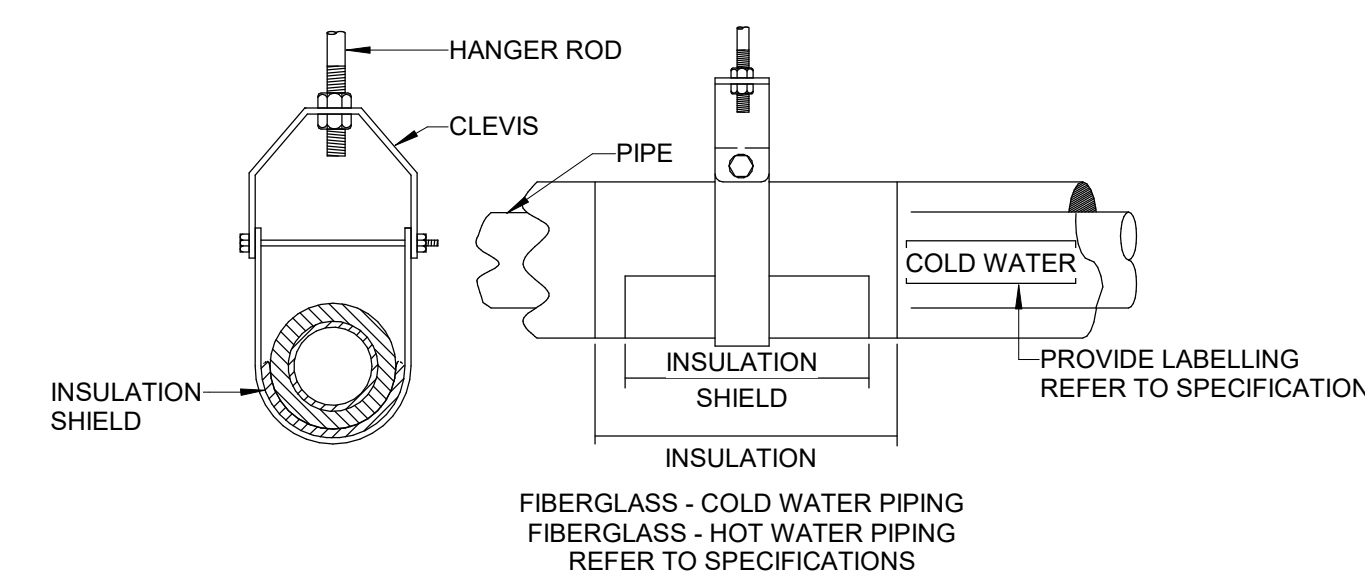
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PUMP SCHEDULE									
MARK	MODEL NO.	LOCATION	G.P.M.	HEAD (FT.)	ELECTRICAL DATA			TYPE	REMARKS
					H.P.	VOLTS	PH		
ESP-1	LIBERTY ELV280	ELEV 1 & 2 108/109	100	15	1/2	115	1	SUBMER.	-
ESP-2	LIBERTY ELV280	ELEV 3 & 4 112/113	100	15	1/2	115	1	SUBMER.	-
ESP-3	LIBERTY ELV280	ELEV 5 & 6 103/102	100	15	1/2	115	1	SUBMER.	-

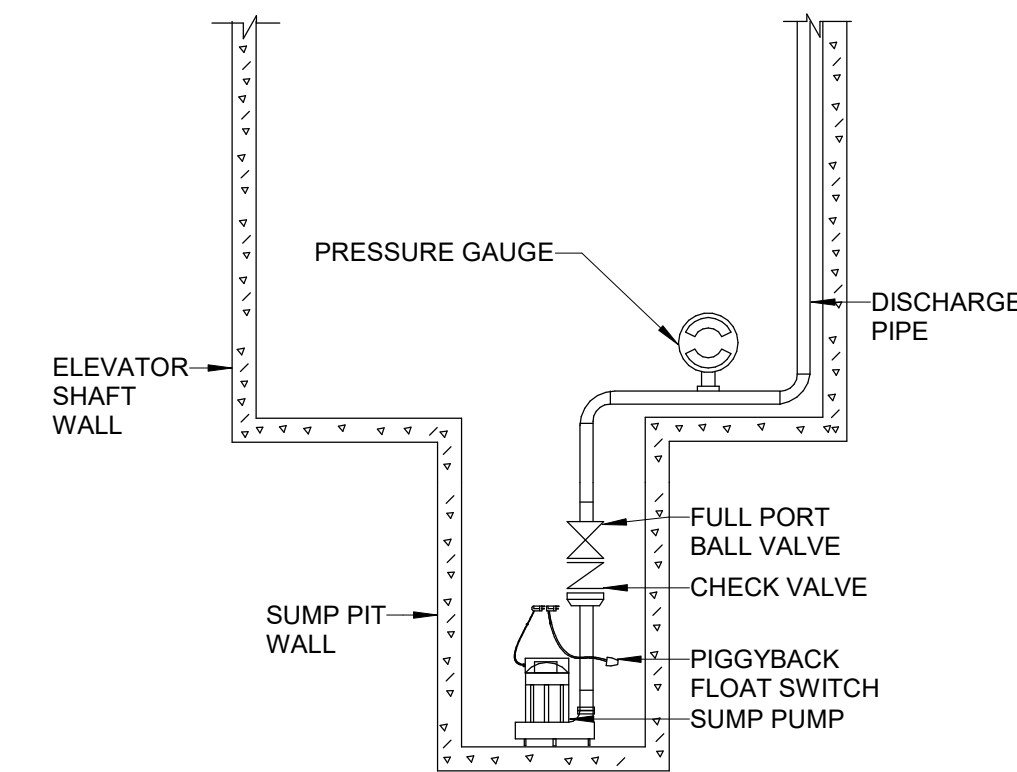
- ### GENERAL NOTES
- ALL OUTSIDE CLEANOUTS SHALL BE BROUGHT TO GRADE AND EMBEDDED IN 18"X18"X6" THICK CONCRETE PAD. (J.R. SMITH 4258 OR EQUAL.)
 - WHEREVER DISSIMILAR METALS ARE CONNECTED ON WATER LINES, A DIELECTRIC NIPPLE SHALL BE USED.
 - ALL HORIZONTAL WATER PIPING IS RUN ABOVE CEILING ON PLAN UNLESS OTHERWISE NOTED.
 - ALL WATER PIPING BELOW SLAB ON GRADE SHALL BE BENT UP AT ENDS SO THAT NO JOINTS OCCUR BELOW FLOOR.
 - COORDINATE ALL PIPE ROUTING TO AVOID CONFLICTS WITH STRUCTURAL, MECHANICAL, AND ELECTRICAL FEATURES OF BUILDING.
 - PLUMBING DRAWINGS ARE DIAGRAMMATIC AND DO NOT SHOW ALL DETAILS OF THE WORK. OBTAIN DIMENSIONS AND PERTINENT INFORMATION FROM ARCHITECTURAL DRAWINGS.
 - ALL HYDRANTS SHALL BE MOUNTED 24" ABOVE FINISH GRADE OR FINISH FLOOR UNLESS OTHERWISE NOTED.
 - INSTALL ALL OUTSIDE VALVES IN CONCRETE OR CAST IRON VALVE BOXES.
 - ALL HORIZONTAL STORM PIPING IS RUN BELOW FLOOR ON PLAN UNLESS OTHERWISE NOTED.
 - PAVEMENT CUTS, BACKFILLING, AND PATCHING SHALL MEET ALL LOCAL REQUIREMENTS.
 - CONTRACTOR TO VERIFY EXACT LOCATION OF ALL MECHANICAL EQUIPMENT PRIOR TO ROUGHING MECHANICAL ROOM FLOOR DRAINS, HOSE BIBBS, ETC.

PLUMBING LEGEND

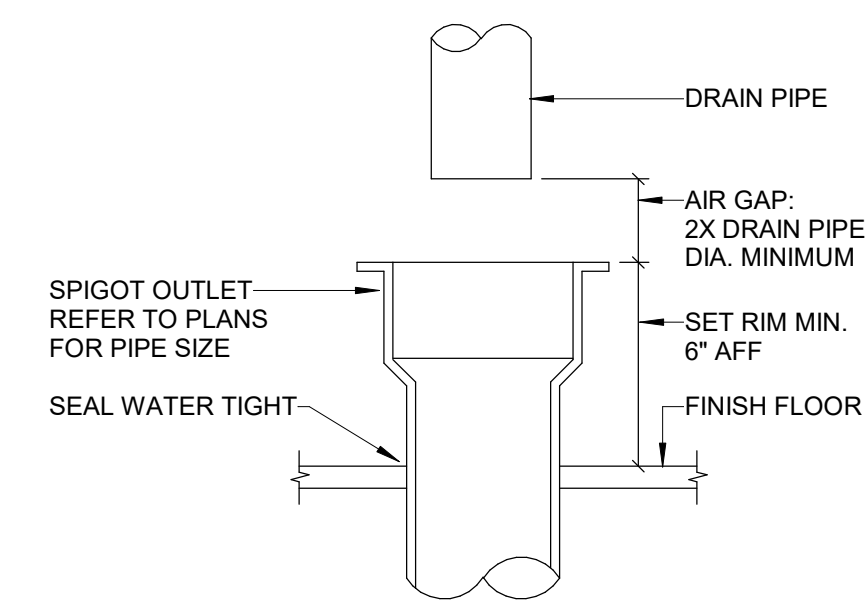
—	COLD WATER LINE	⊙ RD	ROOF DRAIN
— PD —	PUMP DISCHARGE	⊙ TD	TRENCH DRAIN
— S —	STORM LINE	⊙ DD	DECK DRAIN
⊙	BALL VALVE	⊙ YCO	YARD CLEANOUT
⊙	WATER PRESSURE REGULATOR	A.F.F.	ABOVE FINISH FLOOR
⊙	CHECK VALVE	CO	CLEAN OUT
⊙	UNION	CW	COLD WATER
⊙	PIPE TURNING UP	FFE	FINISH FLOOR ELEVATION
⊙	PIPE TURNING DOWN	GPM	GALLONS PER MINUTE
⊙	P-TRAP	HP	HORSE POWER
HB —	HOSE BIBB	INV	INVERT
WCO	WALL CLEANOUT	PD	PUMP DISCHARGE
FCO	FLOOR CLEANOUT	PSI	POUNDS PER SQUARE INCH
#	REVISION NUMBER	PRV	PRESSURE REDUCING VALVE
#	RISER DIAGRAM NUMBER	RL	RAIN LEADER
#	KEYNOTE NUMBER	RPZBF	REDUCED PRESSURE ZONE B.F. PREVENTER
HD	HUB DRAIN		



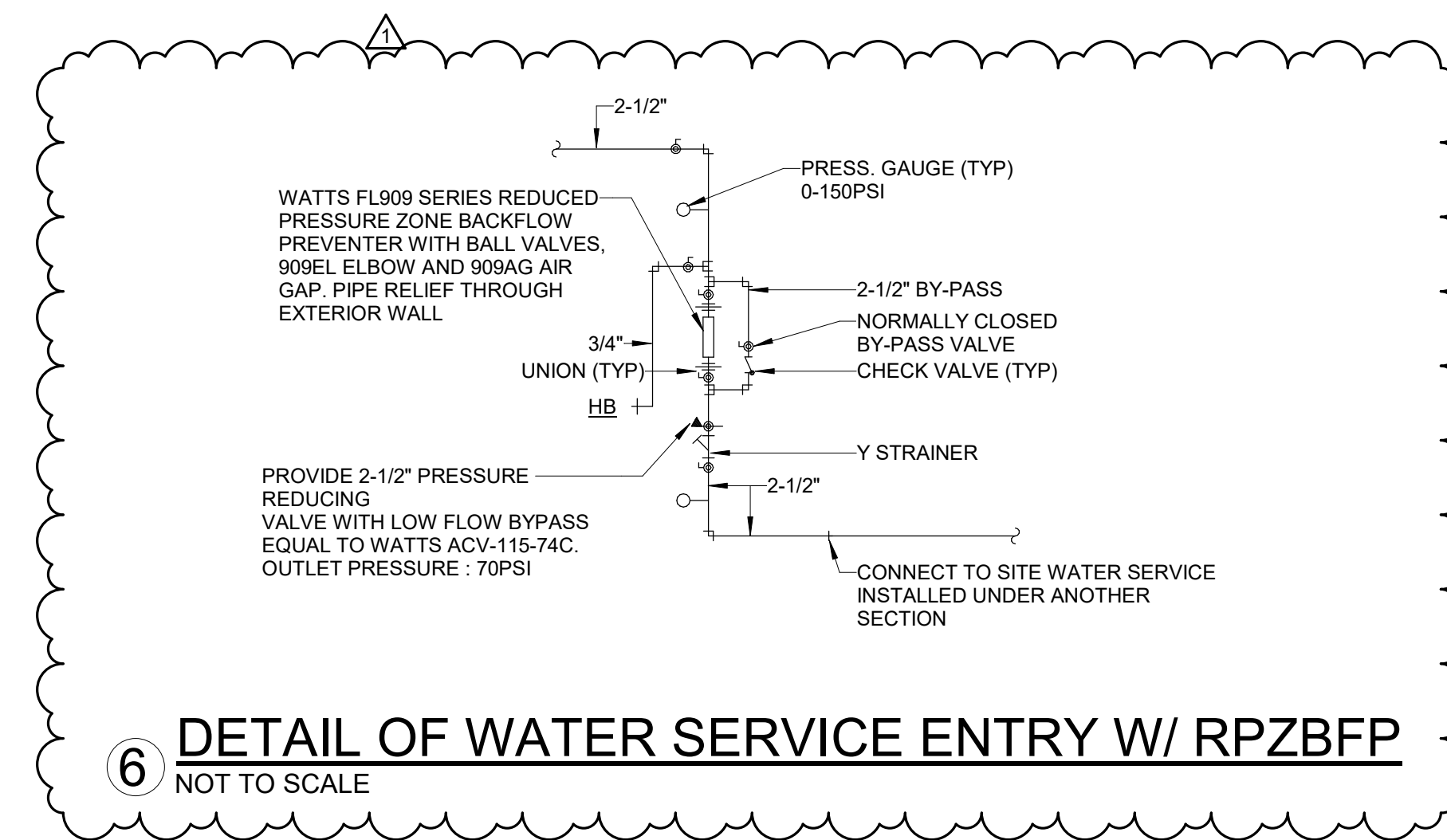
4 **DETAIL OF ADJUSTABLE CLEVIS HANGER**
NOT TO SCALE



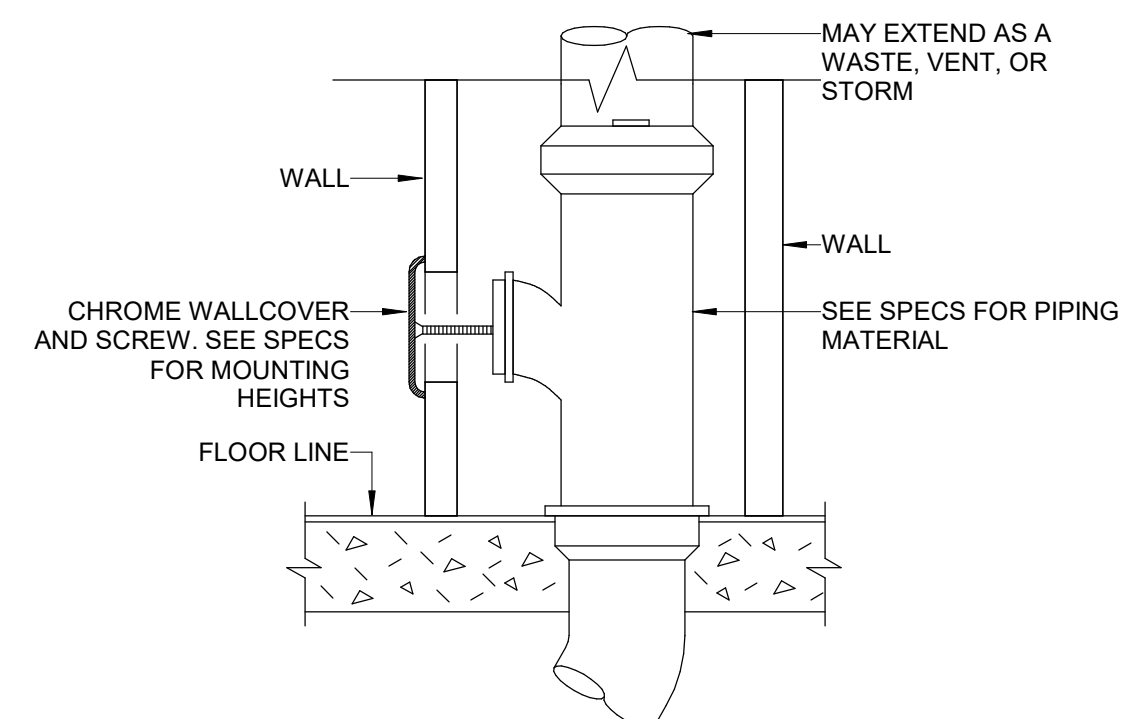
7 **DETAIL OF ELEVATOR SUMP PUMP**
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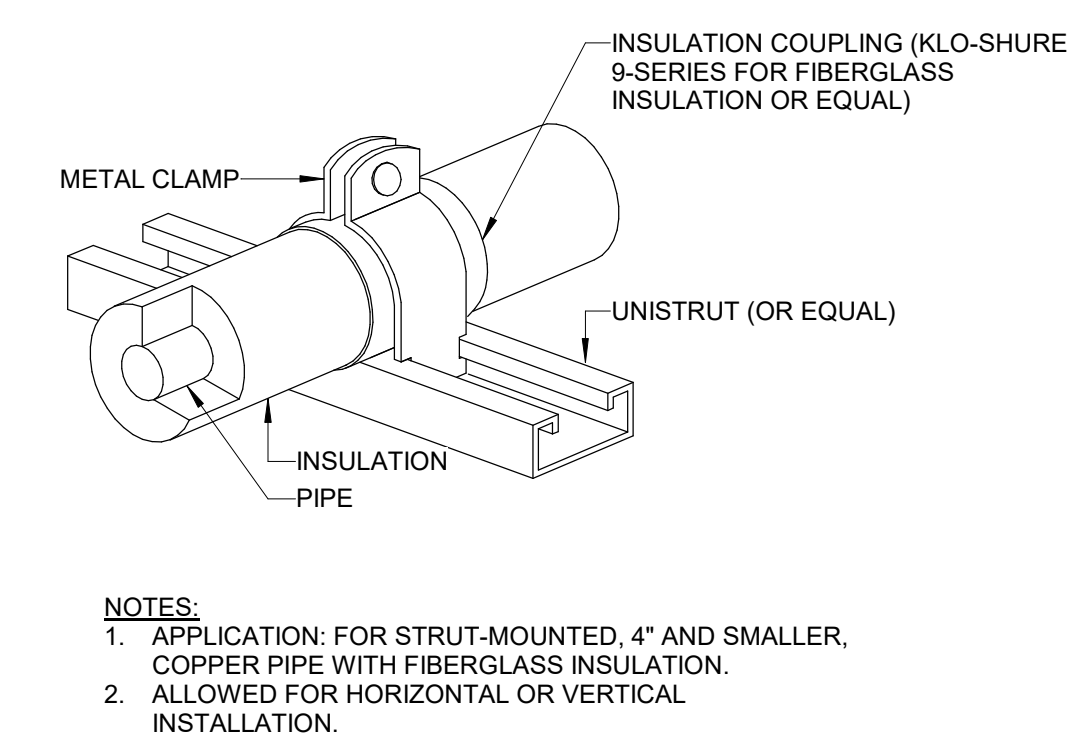
3 **DETAIL OF HUB DRAIN CONNECTION**
NOT TO SCALE



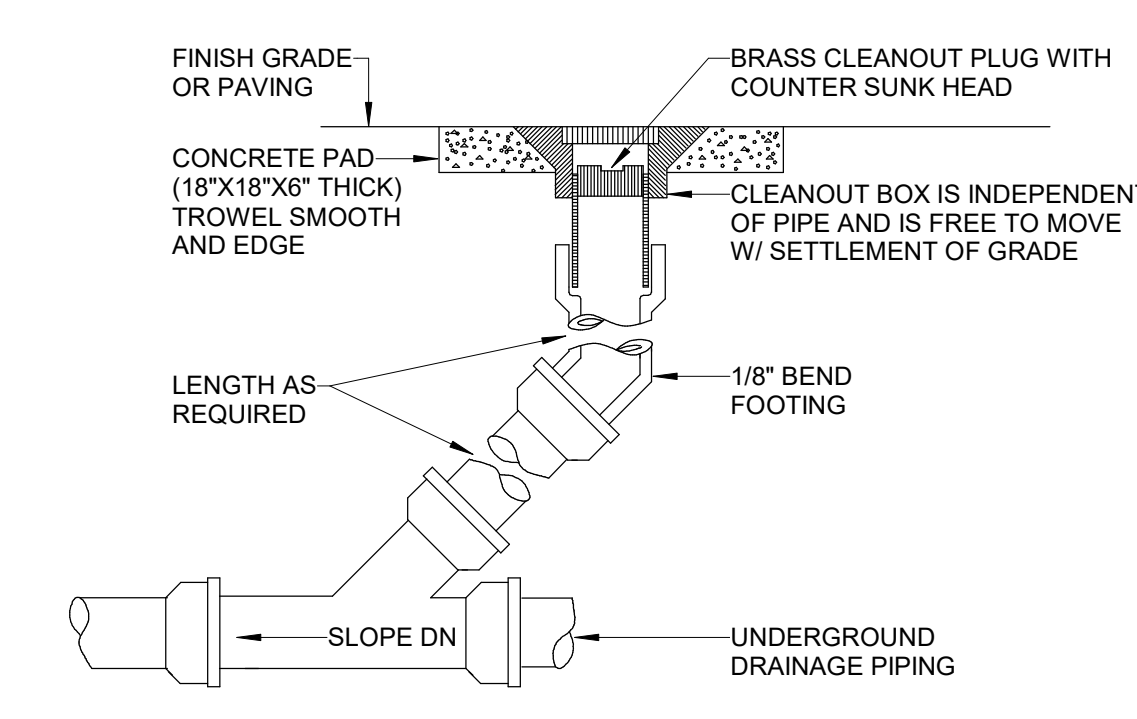
6 **DETAIL OF WATER SERVICE ENTRY W/ RPZBFP**
NOT TO SCALE



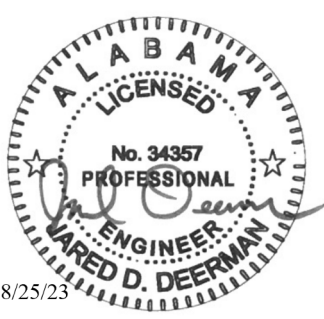
2 **DETAIL OF WALL CLEANOUT**
NOT TO SCALE



5 **STRUT-MOUNTED PIPING SUPPORT INSULATION COUPLING DETAIL**
NOT TO SCALE



1 **DETAIL OF CLEANOUT TO GRADE**
NOT TO SCALE



Evan Terry Associates LLC
Architecture • Accessible Design
One Perimeter Park South Suite 2005
Birmingham, AL 35243 (205) 972-9100

Revisions

1 08/25/23

sheet title

LEGENDS, NOTES, AND SCHEDULES - PLUMBING

job no. **4308**
designed by NEL
checked by CPS
drawn by CPS

sheet no. **114**
of 158
P.01
1 of 8

date August 5, 2023
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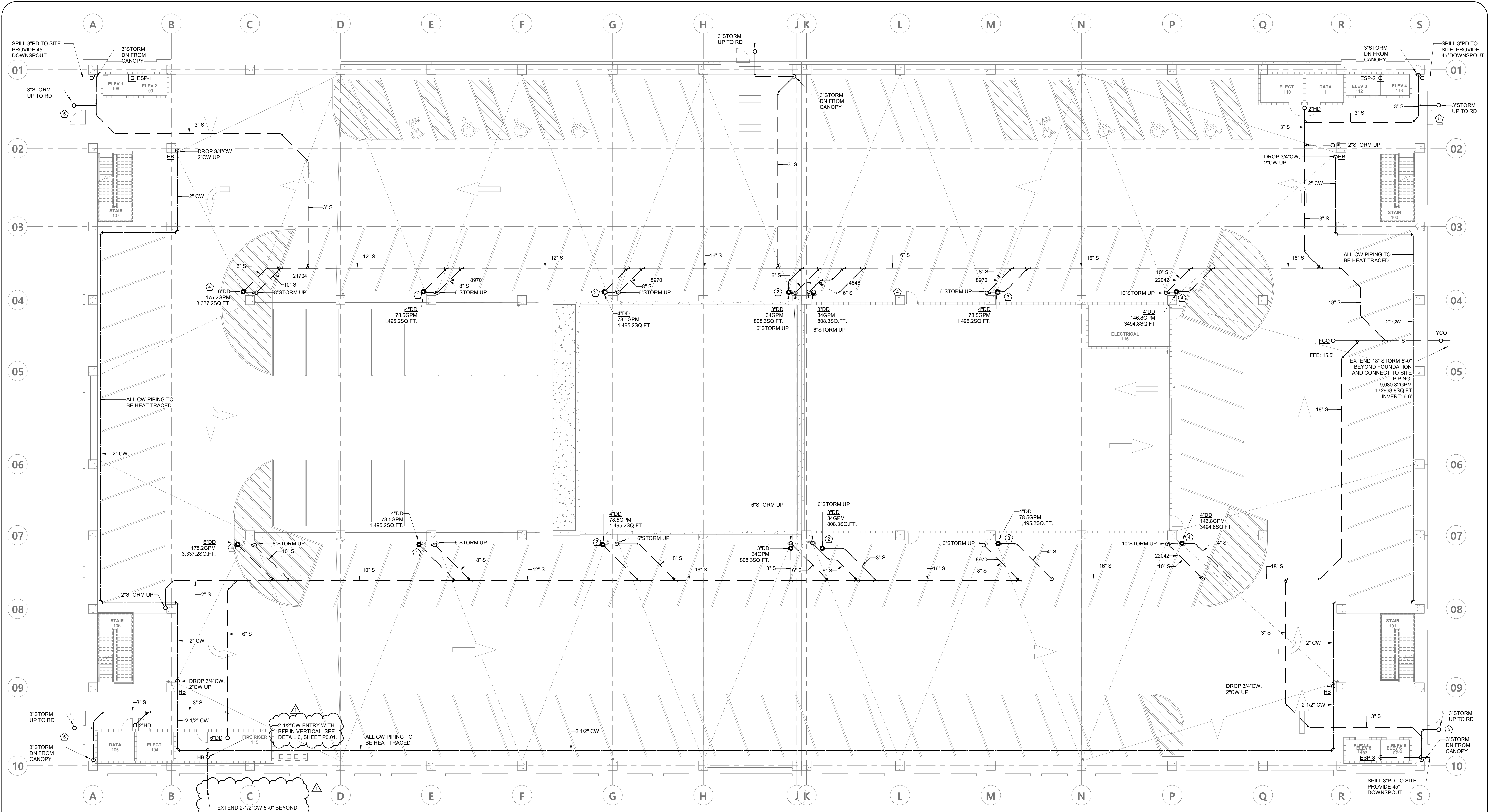


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Suite 103
Birmingham, AL 35209
Phone: (205) 224-0550

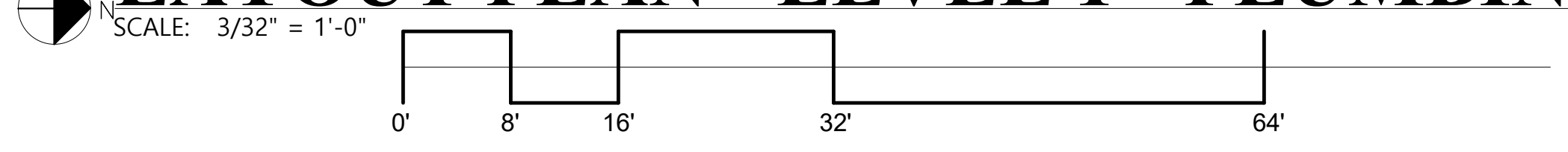
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Mobile, Alabama



LAYOUT PLAN - LEVEL 1 - PLUMBING

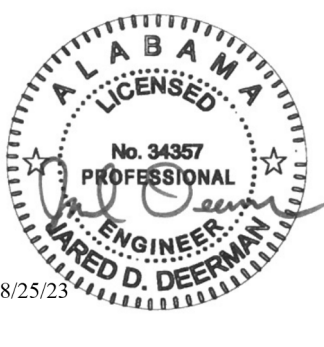


GENERAL NOTES:

- HEAT TRACE ALL DOMESTIC WATER PIPING EXPOSED IN THE PARKING DECK.
- ALL P-TRAPS IN THE STORM SYSTEM REQUIRES A CLEANOUT ON THE SIDE.



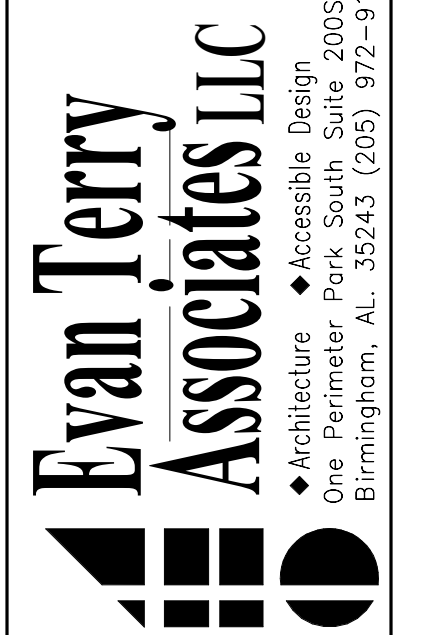
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Suite 103
Birmingham, AL 35209
Phone: (205) 224-0550



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One Perimeter Park South Suite 2005
Birmingham, AL 35243 (205) 972-9100

Revisions	1	08/25/23	4402600101
sheet title	LAYOUT PLAN - LEVEL 1 - OVERALL PLUMBING		
job no.	4308		
drawn by	NEL	checked by	CPS
sheet no.	115 of 158		
date	August 5, 2023		
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Revisions	Revision 1
8-30-23	
1	
sheet title	
LEGEND AND NOTES	
job no.	4308
dwg. by	smt. no.
LOP	
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MEH	
dwg. no.	E0.01
	of 72
date	August, 1 2023
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NOTES

- ALL ELECTRICAL WORK SHALL BE DONE IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE AND LOCAL ORDINANCES. CONTRACTOR SHALL OBTAIN AND PAY FOR ALL NECESSARY PERMITS.
- CONTRACTOR SHALL VISIT THE SITE AND FAMILIARIZE HIMSELF WITH ALL DETAILS OF THE WORK AND ALL EXISTING FIELD CONDITIONS.
- CONTRACTOR SHALL PROVIDE A COMPLETE ELECTRICAL INSTALLATION INCLUDING ALL WORK CUSTOMARILY INCLUDED EVEN IF NOT SPECIFICALLY CALLED OUT.
- THE ELECTRICAL CONTRACTOR SHALL CAREFULLY COORDINATE HIS WORK WITH OTHER CONTRACTORS THROUGH THE GENERAL CONTRACTOR FOR SPACE REQUIREMENTS, ETC.
- CONTRACTOR SHALL VERIFY ALL MECHANICAL EQUIPMENT NAMEPLATE DATA BEFORE ANY WORK IS DONE AND MAKE ANY ADJUSTMENTS IN BREAKER AND WIRE SIZE AS MAY BE REQUIRED.
- SHOULD THE CONTRACTOR FIND DISCREPANCIES OR OMISSIONS IN THE CONTRACT DOCUMENTS OR BE IN DOUBT AS TO INTENT, HE SHALL IMMEDIATELY OBTAIN CLARIFICATION FROM THE ARCHITECT OR ENGINEER.
- THE ELECTRICAL DRAWINGS ARE SCHEMATIC AND ARE NOT INTENDED TO SHOW THE EXACT LOCATION OF CONDUITS, OUTLETS, ETC. THE CONTRACTOR SHALL REFER TO ARCHITECTURAL, MECHANICAL, AND PLUMBING DRAWINGS AND SHALL FIT HIS WORK TO CONFORM WITH THE BUILDING CONSTRUCTION AND WITH THE OTHER TRADES.
- ELECTRICAL CONTRACTOR SHALL VERIFY EXACT HEIGHT OF ALL COUNTER TOPS AND BACK-SPLASHES ON CASEWORK SHOP DRAWINGS, AND CHANGE SPECIFIED MOUNTING HEIGHT OF WALL OUTLETS INDICATED AS REQUIRED SO THAT BOTTOM OF OUTLET BOX IS 2" ABOVE TOP OF BACK-SPLASH OR IF NO BACK-SPLASH IS USED, 4" ABOVE COUNTERTOP.
- DO NOT MOUNT OUTLETS BACK-TO-BACK. PROVIDE MINIMUM 24" SEPARATION IN FIRE RATED WALLS.
- ALL OUTLETS IN EXPOSED CONCRETE BLOCKS SHALL BE ADJUSTED AS REQUIRED TO ALLOW CUTTING OF ONLY ONE BLOCK. MAINTAIN UNIFORM HEIGHTS THROUGHOUT THE BUILDING.
- VERIFY ALL DOOR SWINGS WITH ARCHITECT PRIOR TO ROUGHING LIGHT SWITCHES.
- CONTRACTOR SHALL CHECK ALL LIGHT FIXTURES FOR EXACT TYPE MOUNTING AND SPACE REQUIRED BEFORE ROUGHING IN.
- BRANCH CIRCUITS #12 A.W.G. AND 1/2" CONDUIT (GALVANIZED) MINIMUM. CONDUCTORS SHALL BE 98% CONDUCTIVITY COPPER, SEE SPECIFICATIONS FOR TYPE INSULATION.
- VOLTAGE DROP: FOR 20 AMP CIRCUITS OVER 100 FEET AND LESS THAN 175 FEET, USE #10 CONDUCTORS. FOR 20 AMP CIRCUITS OVER 175 FEET AND LESS THAN 275 FEET, USE #8 CONDUCTORS.
- ALL CONDUITS CROSSING EXPANSION JOINTS SHALL HAVE EXPANSION TYPE FITTINGS.
- THE ATTACHED DRAWINGS WERE DEVELOPED FROM RECORD DRAWINGS AND INFORMATION PROVIDED BY OTHERS WHICH MAY NOT REFLECT ACTUAL FIELD CONDITIONS. THE CONTRACTOR SHALL VERIFY ALL CONDITIONS IN THE FIELD BEFORE PROCEEDING WITH SUBSEQUENT WORK. THE DESIGN TEAM SHALL BE NOTIFIED OF ANY DISCREPANCIES OR CONFLICTS WITH DRAWINGS FOR CLARIFICATION PRIOR TO PROCEEDING WITH WORK.
- FOR ALL SINGLE-PHASE CIRCUITS SHARING A NEUTRAL WITH OTHER SINGLE-PHASE CIRCUITS, CONTRACTOR SHALL INSTALL CIRCUIT BREAKER HANDLE TIES WHICH WILL PROVIDE FOR SIMULTANEOUS DISCONNECTION OF ALL CIRCUIT BREAKERS FOR CIRCUITS WHICH SHARE THE SAME NEUTRAL. HANDLE TIE SHALL NOT PREVENT THE REQUIRED TRIPPING OF A BREAKER.
- QUESTIONS REGARDING THESE DRAWINGS SHALL BE ADDRESSED TO ENGINEER PRIOR TO AWARDING OF CONTRACT. OTHERWISE THE ENGINEER'S INTERPRETATION OF THE MEANING AND INTENT OF DRAWINGS SHALL BE FINAL.

SECURITY SYSTEMS:
SEE SECURITY VENDOR DRAWINGS FOR REQUIREMENTS.

DO NOT SCALE DIMENSIONS FROM DRAWINGS. CONSULT OWNER/ARCHITECT FOR EXACT DIMENSIONAL DATA.

LIGHTNING PROTECTION:
PROVIDE LIGHTNING PROTECTION SYSTEM FOR BUILDING WITH U.L. MASTER "C" LABEL.

SYSTEM	SUBSYSTEM	A/E DESIGNED	OWNER/VENDOR DESIGNED	OWNER FURNISHED	CONTRACTOR FURNISHED	OWNER INSTALLED	CONTRACTOR INSTALLED	NOTES
LIGHTING	FIXTURES	X			X		X	
	LAYOUT	X			X		X	
POWER	DEVICES	X			X		X	
	LAYOUT	X			X		X	
FIRE ALARM	ALL	X			X		X	
DATA/COMM	EQUIPMENT		X	X		X		
	RACEWAYS	X			X		X	
	CABLING		X	X		X		
SECURITY/ACCESS CONTROL	EQUIPMENT		X	X		X		
	RACEWAYS	X			X		X	
	CABLING		X	X		X		
	POWER	X			X		X	

RECEPTACLES

- WALL OUTLET: DUPLEX RECEPTACLE, NEMA 5-20R.
- WALL OUTLET: SINGLE RECEPTACLE, NEMA 5-20R.
- WALL OUTLET: DUPLEX RECEPTACLE, NEMA 5-20R, MOUNT 44" AFF UNLESS OTHERWISE NOTED OR EQUAL.
- WALL OUTLET: SINGLE RECEPTACLE, NEMA 6-30R, MOUNT AT 18" AFF.
- WALL OUTLET: ELECTRIC WATER COOLER DOUBLE DUPLEX RECEPTACLE, GFI TYPE, 20A, 125V, 2P, 3W, NEMA 5-20R. VERIFY EXACT HEIGHT AND LOCATION PRIOR TO INSTALLATION.
- WALL OUTLET: GROUND FAULT INTERRUPTER RECEPTACLE, TERMINAL NEMA 5-15R, MOUNT AT 18" A.F.F. OR AS NOTED.
- WALL OUTLET: DUPLEX RECEPTACLE, WEATHERPROOF, NEMA 5-20R.
- WALL OUTLET: DOUBLE-DUPLEX, NEMA 5-20R., MOUNT 44" AFF.
- WALL OUTLET: DOUBLE-DUPLEX, NEMA 5-20R., MOUNT 18" AFF.

JUNCTION & OUTLET BOXES

- CEILING OUTLET: JUNCTION BOX.
- WALL OUTLET: JUNCTION BOX WITH FLEXIBLE CONNECTION.
- WALL OUTLET: JUNCTION BOX.

LIGHTING (SEE LIGHT FIXTURE SCHEDULE)

- CEILING OUTLET: RECESSED LED LIGHT FIXTURE, AS NOTED, TYPE "A" CIRCUIT #1.
- CEILING OUTLET: RECESSED EMERGENCY LED LIGHT FIXTURE, AS NOTED, TYPE "A" CIRCUIT #1.
- CEILING OUTLET: EXIT LIGHT, SEE LIGHT FIXTURE SCHEDULE.
- CEILING OUTLET: RECESSED LED LIGHT FIXTURE, LUMINAIRE TYPE "A", CIRCUIT #1
- CEILING OUTLET: RECESSED EMERGENCY LED LIGHT FIXTURE, LUMINAIRE TYPE "A", CIRCUIT #1
- CEILING OUTLET: SURFACE MOUNTED LED LIGHT FIXTURE.
- CEILING OUTLET: SURFACE MOUNTED EMERGENCY LED LIGHT FIXTURE.
- WALL OUTLET: WALL MOUNTED EMERGENCY LED LIGHT FIXTURE.
- WALL OUTLET: WALL MOUNTED LED LIGHT FIXTURE.
- POLE MOUNTED FIXTURE: LED LIGHT FIXTURE, TYPE "A", CIRCUIT #1.

LIGHTING CONTROLS

- WALL SWITCH: WIRELESS, DIMMER FOR USE WITH WIRELESS SYSTEM. SEE DETAILS.
- WALL SWITCH: OCCUPANCY SENSOR, DIMMER, LINE VOLTAGE OR 0-10V, AS REQUIRED.
- WALL SWITCH: A.C. TYPE, 1-POLE, 15A, 125/277V.
- WALL SWITCH: SYSTEM ON/OFF, RAISE/LOWER, FOR USE WITH WIRELESS. SEE DETAILS.
- CEILING OCCUPANCY SENSOR, SEE DETAILS.
- CEILING DAYLIGHT SENSOR, SEE DETAILS.

TELE/DATA

- COMBINATION TELEDATA OUTLET: TWO-GANG BOX WITH ONE GANG PLASTER RING WITH 3/4" C. STUBBED TO TBB.
- TELEPHONE BACKBOARD: 4'X8' VERTICAL ORIENTATION, PAINTED ALL SIDES WITH GRAY FIRE RETARDANT PAINT.
- CAMERA OUTLET: TWO-GANG BOX WITH ONE GANG PLASTER RING AND 1" C TO TBB. COORDINATE MOUNTING HEIGHT WITH OWNER.

FIRE ALARM

- FIRE ALARM SYSTEM: MANUAL STATION, MOUNT 4'-0" H.
- FIRE ALARM SYSTEM: ANNUNCIATOR
- FIRE ALARM SYSTEM: SMOKE DETECTOR, SURFACE MOUNTED.
- FIRE ALARM SYSTEM: AUTOMATIC FIRE DETECTOR, HIGH TEMPERATURE, 190 DEG. F. (THERMAL AND RATE OF RISE).
- FIRE ALARM SYSTEM: SMOKE DETECTOR IN A/C DUCT WITH SAMPLING TUBES.
- FIRE ALARM SYSTEM: COMBINATION HORN AND LIGHT, MOUNT 80" A.F.F.
- FIRE ALARM SYSTEM: ALARM SIGNAL LIGHT, MOUNT 80" A.F.F.
- FIRE ALARM SYSTEM: CONTROL PANEL, (SURFACE) (FLUSH) MOUNTED.
- FIRE ALARM SYSTEM: FLOW SWITCH CONNECTION
- FIRE ALARM SYSTEM: SUPERVISORY VALVE CONNECTION
- FIRE ALARM SYSTEM: ALARM SIGNAL LIGHT, CEILING MOUNTED
- FIRE ALARM SYSTEM: NAC PANEL

POWER

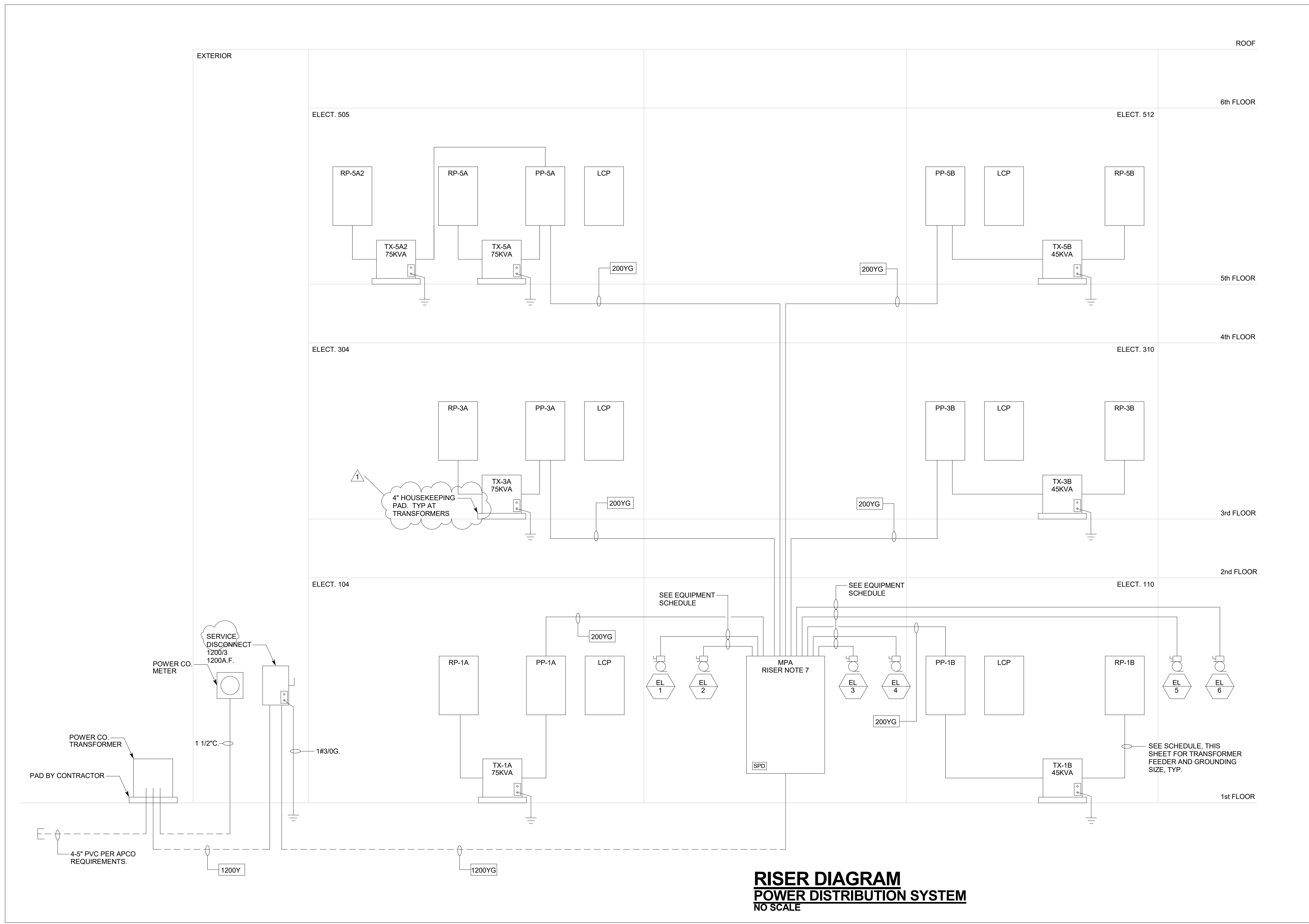
- CEILING EXHAUST FAN.
- NON-FUSED DISCONNECT SWITCH.
- FUSED DISCONNECT SWITCH.
- CIRCUIT BREAKER.
- ELECTRICAL PANEL: SEE SCHEDULE AND SPECIFICATIONS.
- TRANSFORMER
- FUSED DISCONNECT SWITCH WITH CONNECTION TO EQUIPMENT.
- MANUAL MOTOR STARTER THERMAL SWITCH, WALL MOUNT 5'-6" H. OR AT MOTOR AS SHOWN.

ABBREVIATIONS

A	ABOVE COUNTER	NL	NIGHT LIGHT
AFG	ABOVE FINISH GRADE	MCB	MAIN CIRCUIT BREAKER
AFF	ABOVE FINISH FLOOR	MLO	MAIN LUGS ONLY
AIC	AVAILABLE INTERRUPT CURRENT	TBB	TELEPHONE BACK BOARD
AL	ALUMINUM	TYP	TYPICAL
AWG	AMERICAN WIRE GAUGE	UC	UNDER COUNTER
C	CONDUIT RACEWAY	UG	UNDER GROUND
CB	CIRCUIT BREAKER	WAP	WIRELESS ACCESS POINT
CU	COPPER	WP	WEATHERPROOF, NEMA 3R
DISC	DISCONNECT		
EM	EMERGENCY		
EMT	ELECTRICAL METALLIC TUBING		
F	FUSE		
G, GRD	GROUND		
GFI	GROUND FAULT INTERRUPTING		

BRANCH CIRCUITS

- BRANCH CIRCUIT: CONCEALED IN CEILING OR WALL.
- BRANCH CIRCUIT: HOMERUN TO PANELBOARD AND 20A, 1P, BREAKER, UNLESS OTHERWISE NOTED. SHOWN, 2#12-3/4" C. HASHMARKS INDICATE NUMBER OF CONDUCTORS WHEN GREATER THAN 2#12. THE NUMBER IN THE CIRCUIT INDICATES A.W.G. WIRE SIZE WHEN DIFFERENT THAN #12 AWG.
- BRANCH CIRCUIT: CONCEALED IN OR BELOW FLOOR OR UNDERGROUND
- RISER: DOWN
- RISER: UP



**RISER DIAGRAM
POWER DISTRIBUTION SYSTEM
NO SCALE**

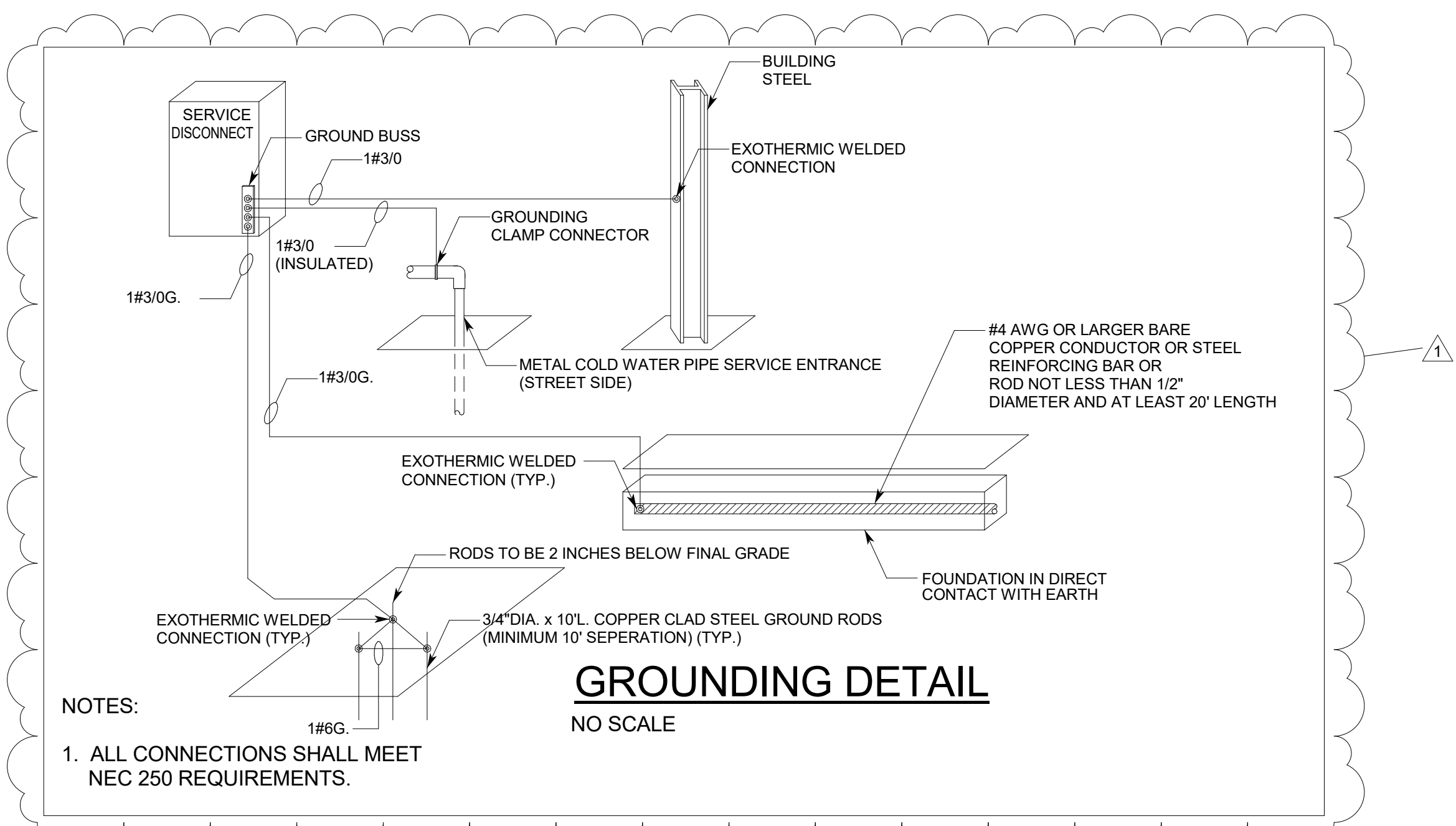
FEEDER SCHEDULE

20DG	3#12 & 1#12G-1/2"C.	150DG	3#1/0 & 1#6G-2"C.
20SG	2#12 & 1#12G-1/2"C.	150YG	4#1/0 & 1#6G-2 1/2"C.
30SG	2#10 & 1#10G-3/4"C.	200YG	4#3/0 & 1#6G-3"C.
60DG	3#6 & 1#10G-1 1/4"C.	250YG	4#250MCM & 1#4G-3"C.
80DG	3#4 & 1#6G-1 1/2"C.	1200Y	4 SETS OF 4#350MCM -3 1/2"C.
		1200YG	4 SETS OF 4#350MCM & 1#3/0G-3 1/2"C.

- SERVICE NOTES:**
- THE SECONDARY SERVICE: 277/480V, 3P, 4W., GROUNDED NEUTRAL, WYE CONNECTED AS SHOWN ON SINGLE LINE DIAGRAM.
 - ARRANGE WITH LOCAL ELECTRICAL SERVICE COMPANY FOR SERVICE TO BE BROUGHT TO BUILDING, AND FOR THE INSTALLATION OF METER. PAY ALL CHARGES (IF ANY) IN CONNECTION THEREWITH, INCLUDING PERMANENT METER DEPOSIT, WHICH DEPOSITS WILL BE REFUNDED TO CONTRACTOR AT TIME OF OWNER'S OCCUPANCY IN THE BUILDING.
 - VERIFY WITH UTILITY COMPANIES INVOLVED THAT LOCATIONS, ARRANGEMENT, POWER COMPANY VOLTAGE, PHASE, METERING REQUIRED, AND CONNECTIONS TO UTILITY SERVICE ARE IN ACCORDANCE WITH THEIR REGULATIONS AND REQUIREMENTS. IF THEIR REQUIREMENTS ARE AT VARIANCE WITH THESE DRAWINGS AND/OR SPECIFICATIONS, CONTRACT SHALL INCLUDE AN ADDITIONAL COST NECESSARY TO MEET THOSE REQUIREMENTS WITHOUT EXTRA COST TO OWNER AFTER BIDS ARE ACCEPTED.
 - OBTAIN FROM UTILITY COMPANY ANY ADDITIONAL CHARGES FOR SERVICE OF TYPE, SIZE, AND LOCATION CALLED FOR. INCLUDE CHARGES IN BID TO BE PAID BY CONTRACTOR TO APPROPRIATE PARTY. PROVIDE PAYMENT OF THESE CHARGES SO AS TO ALLOW LOGICAL PROGRESSION OF CONSTRUCTION AND AVOID DELAY OF COMPLETION.
 - COORDINATE SERVICE WORK WITH POWER COMPANY. FURNISH AND INSTALL ALL SERVICE RELATED ITEMS NOT PROVIDED BY THE POWER COMPANY. PERFORM WORK IN ACCORDANCE WITH THEIR REQUIREMENTS AND RECOMMENDATIONS.

- RISER NOTES:**
- INDUSTRY AVERAGE EQUIPMENT SIZES WERE USED TO DETERMINE FIT AND WORKING CLEARANCES. E.C. IS TO VERIFY FIT AND WORKING CLEARANCES BASED ON ACTUAL EQUIPMENT CONSIDERED.
 - PROTECTIVE DEVICES RATED 1200A & GREATER SHALL HAVE ENERGY REDUCING MAINTENANCE SWITCHING WITH LOCAL STATUS INDICATOR OR ARC-FLASH ENERGY REDUCTION SCHEME/METHOD APPROVED BY ENGINEER.
 - SEE FLOOR PLANS FOR PLACEMENT OF EQUIPMENT.
 - PROVIDE DOUBLE LUGS IN TWO SECTION PANELS.
 - ALL EXTERIOR EQUIPMENT TO BE IN NEMA 3R ENCLOSURES.
 - SEE EQUIPMENT SCHEDULE ON SHEET E0.09 FOR EQUIPMENT FEEDER SIZES.
 - ALL BREAKERS IN 'MPA' SHALL BE LSI TYPE.

- SHORT CIRCUIT, COORDINATION, AND ARC FLASH:**
- ACTUAL AVAILABLE FAULT CURRENT DATA WAS NOT OBTAINED FROM THE POWER COMPANY. E.C. IS TO OBTAIN FAULT CURRENT DATA FROM POWER COMPANY.
 - E.C. TO PROVIDE SHORT CIRCUIT, COORDINATION, AND ARC FLASH STUDIES FOR ALL NEW EQUIPMENT AS WELL AS EXISTING UPSTREAM EQUIPMENT.
 - STUDIES ARE TO START AT UTILITY SOURCE AND/OR GENERATOR AND INCLUDE ALL EXISTING UPSTREAM EQUIPMENT.
 - E.C. IS RESPONSIBLE FOR COLLECTING ALL DATA NECESSARY TO COMPLETE STUDY.
 - STUDIES ARE TO BE PERFORMED USING SKM POWERWARE, EASYPower, OR ETAP SOFTWARE UNDER THE SUPERVISION OF A REGISTERED ENGINEER. ARC FLASH STUDIES SHALL BE CONSISTENT WITH IEEE 1584.
 - PROVIDE PRELIMINARY STUDY REPORT AT TIME OF POWER EQUIPMENT SUBMITTALS. POWER EQUIPMENT SUBMITTALS WILL BE REJECTED WITHOUT PRELIMINARY STUDY.
 - USE RESULTS OF STUDY TO SELECT AIC RATINGS, BREAKER TYPES, ETC. FOR POWER EQUIPMENT PRIOR TO ORDERING EQUIPMENT. MINIMUM AIC RATINGS ARE INDICATED IN PANEL SCHEDULES BASED ON ESTIMATED UTILITY TRANSFORMER SIZE AND AVAILABLE INFORMATION.
 - MARK EQUIPMENT PER BOTH NFPA 70 AND 70E TO INCLUDE, BUT NOT LIMITED TO, ARC FLASH LABELS.
 - PROVIDE FINAL STUDY REPORT AS PART OF CLOSE-OUT DOCUMENTATION (BOTH HARD COPY AND ELECTRONIC PDF FORM).



**GROUNDING DETAIL
NO SCALE**

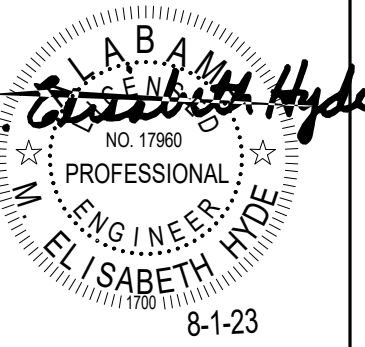
- NOTES:**
- ALL CONNECTIONS SHALL MEET NEC 250 REQUIREMENTS.

TRANSFORMER TABLE - 480V PRIMARY - 208/120V SECONDARY

KVA	FL AMPS	BKR SIZE	FDR	TRANSFORMER GROUNDING ELECTRODE (3)		FL AMPS	BKR SIZE	FDR
				WIRE AWG	CONDUIT IN			
3PH	480V	(1)	(2)	8	3/4	208V	(1)	(2)
15	18	30	30DG	8	3/4	41.7	50	60YG
30	36.1	50	60DG	6	3/4	83.3	100	125YG
45	54.1	70	80DG	6	3/4	124.9	150	150YG
75	90.2	125	150DG	2	3/4	208.2	250	250YG
112.5	135.3	200	200DG	1/0	1	312.3	400	420YG
150	180.4	225	225DG	1/0	1	416.4	500	500YG
225	270.6	350	400DG	2/0	1	625.5	800	840YG

- NOTES:**
- USE DEVICE TYPES INDICATED ON SINGLE LINE DIAGRAM.
 - REFERENCE FEEDER TABLE FOR FEEDER SIZE
 - PROVIDE COPPER GROUNDING ELECTRODE
- DRY-TYPE TRANSFORMER WITH COPPER WINDINGS. PROVIDE NEMA 3R ENCLOSURE FOR ALL EXTERIOR TRANSFORMERS.

**Mobile Civic Center
Parking Facility**
Mobile, Alabama



Evan Terry Associates LLC
Architecture • Accessible Design
One Perimeter Park South Suite 2005
Birmingham, AL 35243 (205) 972-9700

Revisions
Revision 1
8-30-23

sheet title
RISER DIAGRAM

job no. **4308**

des. by: LHZ
chk. by: MEH

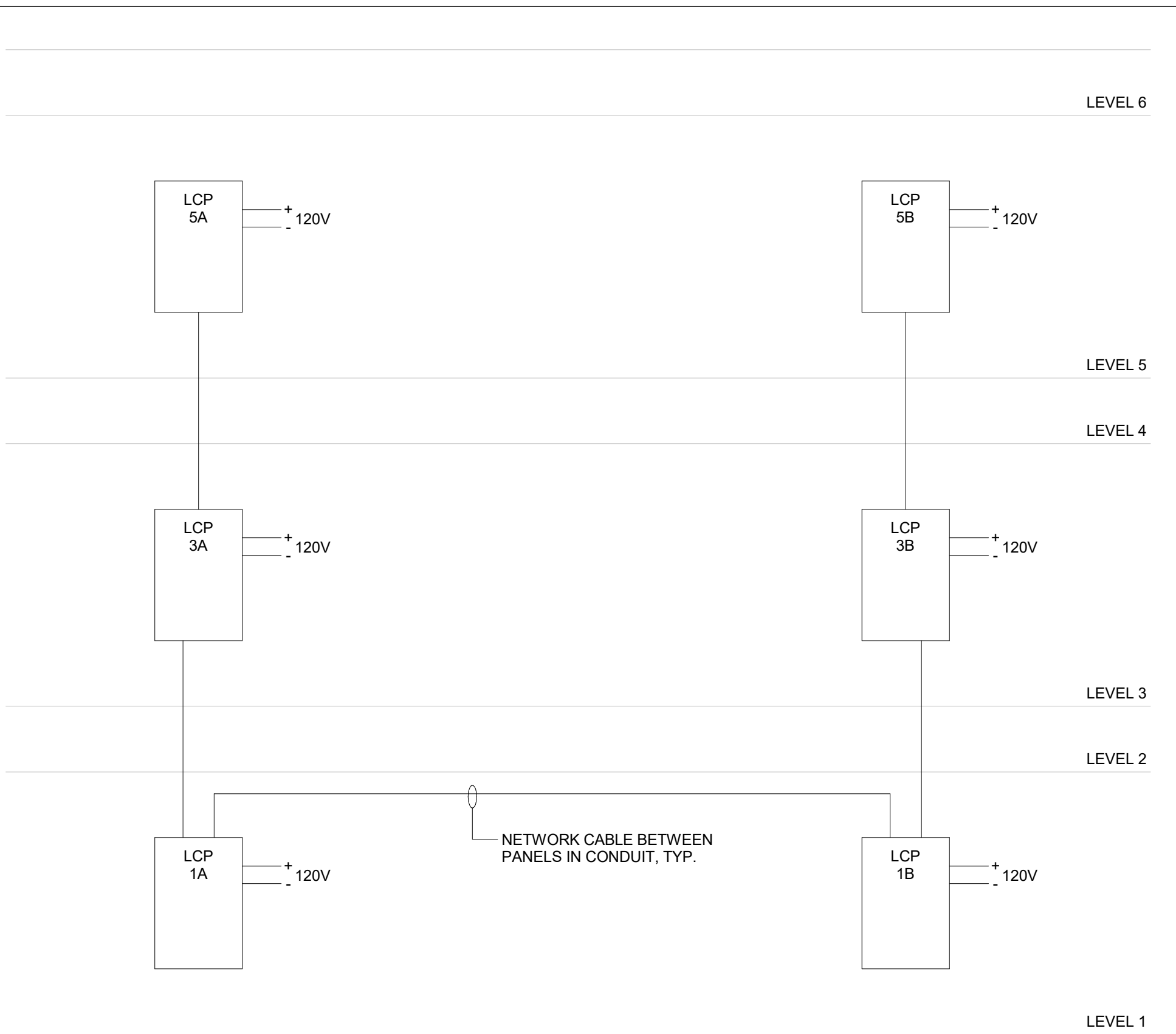
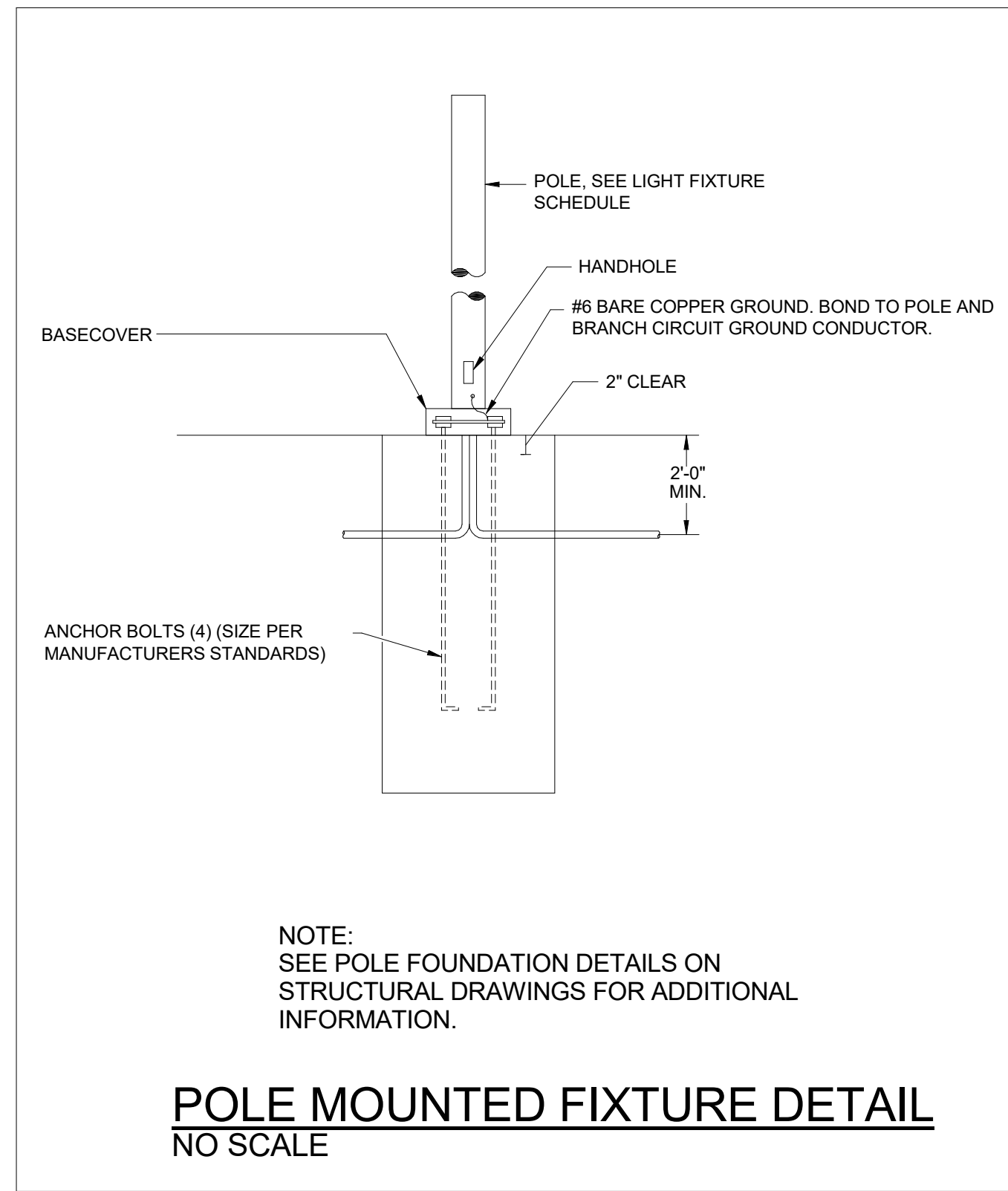
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of 72

date August, 1 2023

HYDE ENGINEERING
3120 8TH AVENUE SOUTH
BIRMINGHAM, ALABAMA 35233
(P) 205 982-0900
(F) 205 982-9911
E-MAIL: LHZ@HYDE-EGR.COM

ENGINEER:
LIZ HYDE

PROJECT #
23047.0



LIGHTING CONTROL RISER DIAGRAM
NO SCALE

LCP LEVEL 1A			
DESCRIPTION	RELAY	PANEL AND CIRCUIT NUMBERS	SCHEDULE
LVL 1 GARAGE PERIMETER	1	PP-1A.#1	C
LVL 1 GARAGE INTERIOR	2	PP-1A.#3	C
LVL 1 GARAGE INTERIOR	3	PP-1A.#5	C
LVL 2 GARAGE PERIMETER	4	PP-1A.#13	C
LVL 2 GARAGE INTERIOR	5	PP-1A.#15	C
LVL 2 GARAGE INTERIOR	6	PP-1A.#17	C
LVL 2 GARAGE ENTRANCE	7	PP-1A.#19	A
LVL 2 BOLLARDS	8	PP-1A.#21	A
SPARE (FUTURE)	9		
SPARE (FUTURE)	10		
SPARE (FUTURE)	11		
SPARE (FUTURE)	12		
SPARE (FUTURE)	13		
SPARE (FUTURE)	14		
SPARE (FUTURE)	15		
SPARE (FUTURE)	16		

LCP LEVEL 1B			
DESCRIPTION	RELAY	PANEL AND CIRCUIT NUMBERS	SCHEDULE
LVL 1 GARAGE ENTRANCE	1	PP-1B.#3	C
LVL 1 GARAGE PERIMETER	2	PP-1B.#7	C
LVL 1 GARAGE INTERIOR	3	PP-1B.#9	C
LVL 2 GARAGE PERIMETER	4	PP-1B.#11	C
LVL 2 GARAGE INTERIOR	5	PP-1B.#13	C
LVL 2 GARAGE INTERIOR	6	PP-1B.#15	C
LVL 2 GARAGE CANOPY	7	PP-1B.#21	A
LVL 1 FACADE CANOPY	8	PP-1B.#4	A
LVL 1 FACADE CANOPY	9	PP-1B.#6	A
LVL 1 EXTERIOR CANOPY	10	PP-1B.#21	A
SPARE (FUTURE)	11		
SPARE (FUTURE)	12		
SPARE (FUTURE)	13		
SPARE (FUTURE)	14		
SPARE (FUTURE)	15		
SPARE (FUTURE)	16		

A. DUSK TO DAWN
B. DUSK TO CLOSE OF BUILDING
C. DAYLIGHT/OCCUPANCY

A. DUSK TO DAWN
B. DUSK TO CLOSE OF BUILDING
C. DAYLIGHT/OCCUPANCY

LCP LEVEL 3A			
DESCRIPTION	RELAY	PANEL AND CIRCUIT NUMBERS	SCHEDULE
LVL 3 GARAGE PERIMETER	1	PP-3A.#1	C
LVL 3 GARAGE INTERIOR	2	PP-3A.#3	C
LVL 3 GARAGE INTERIOR	3	PP-3A.#5	C
LVL 4 GARAGE PERIMETER	4	PP-3A.#9	C
LVL 4 GARAGE INTERIOR	5	PP-3A.#11	C
LVL 4 GARAGE INTERIOR	6	PP-3A.#13	C
SPARE (FUTURE)	7		
SPARE (FUTURE)	8		
SPARE (FUTURE)	9		
SPARE (FUTURE)	10		
SPARE (FUTURE)	11		
SPARE (FUTURE)	12		
SPARE (FUTURE)	13		
SPARE (FUTURE)	14		
SPARE (FUTURE)	15		
SPARE (FUTURE)	16		

LCP LEVEL 3B			
DESCRIPTION	RELAY	PANEL AND CIRCUIT NUMBERS	SCHEDULE
LVL 3 GARAGE ENTRANCE	1	PP-3B.#1	C
LVL 3 GARAGE PERIMETER	2	PP-3B.#3	C
LVL 3 GARAGE INTERIOR	3	PP-3B.#5	C
LVL 4 GARAGE PERIMETER	4	PP-3B.#9	C
LVL 4 GARAGE INTERIOR	5	PP-3B.#11	C
LVL 4 GARAGE INTERIOR	6	PP-3B.#13	C
SPARE (FUTURE)	7		
SPARE (FUTURE)	8		
SPARE (FUTURE)	9		
SPARE (FUTURE)	10		
SPARE (FUTURE)	11		
SPARE (FUTURE)	12		
SPARE (FUTURE)	13		
SPARE (FUTURE)	14		
SPARE (FUTURE)	15		
SPARE (FUTURE)	16		

A. DUSK TO DAWN
B. DUSK TO CLOSE OF BUILDING
C. DAYLIGHT/OCCUPANCY

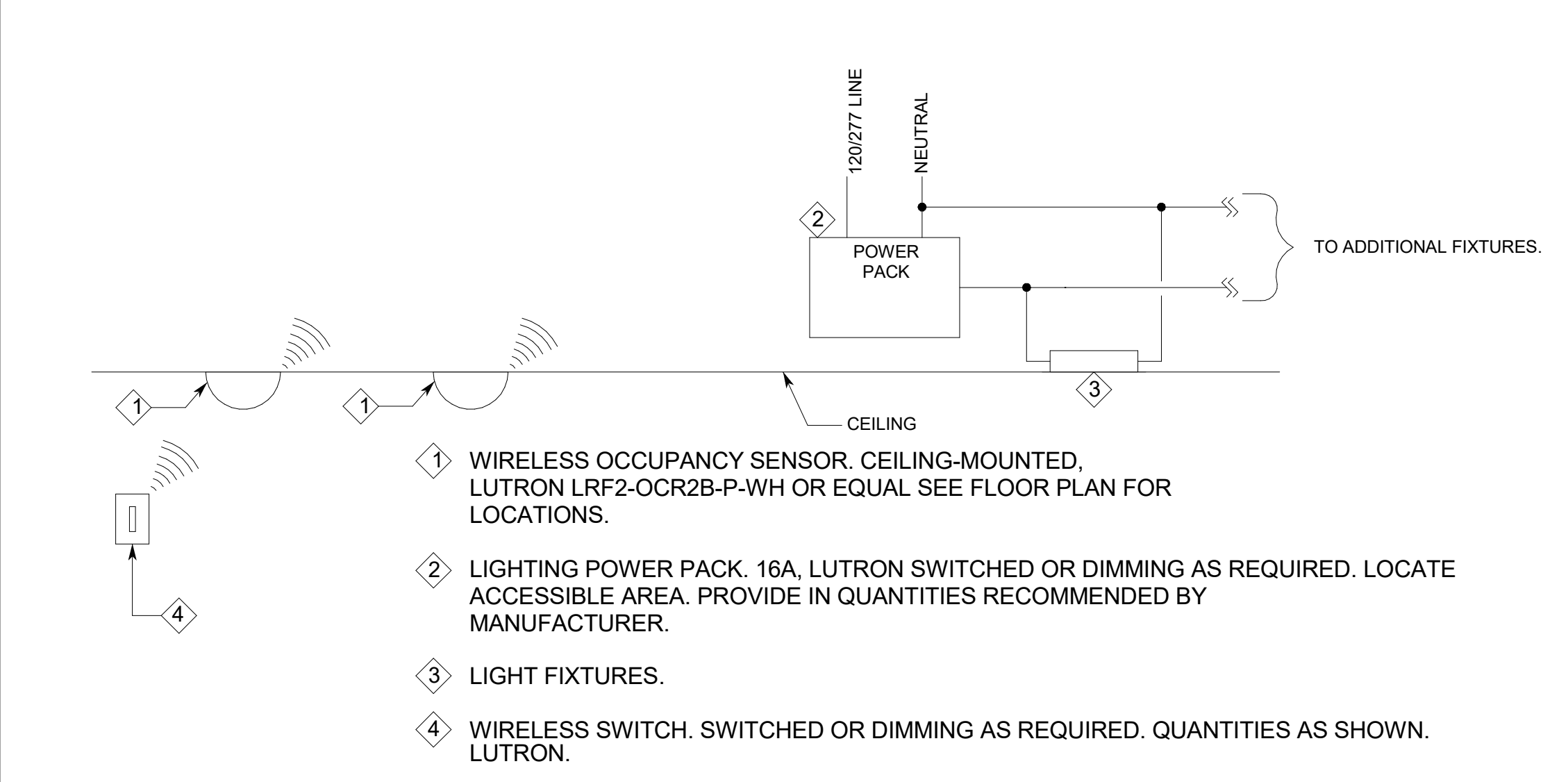
LCP LEVEL 5A			
DESCRIPTION	RELAY	PANEL AND CIRCUIT NUMBERS	SCHEDULE
LVL 5 GARAGE PERIMETER	1	PP-5A.#1	C
LVL 5 GARAGE INTERIOR	2	PP-5A.#3	C
LVL 5 GARAGE INTERIOR	3	PP-5A.#5	C
LVL 6 POLE FIXTURES	4	PP-5A.#9	A
LVL 5 LINEAR STAIR TOWER	5	PP-5A.#2	-
LVL 5 LINEAR STAIR TOWER	6	PP-5A.#4	-
SPARE (FUTURE)	7		
SPARE (FUTURE)	8		
SPARE (FUTURE)	9		
SPARE (FUTURE)	10		
SPARE (FUTURE)	11		
SPARE (FUTURE)	12		
SPARE (FUTURE)	13		
SPARE (FUTURE)	14		
SPARE (FUTURE)	15		
SPARE (FUTURE)	16		

LCP LEVEL 5B			
DESCRIPTION	RELAY	PANEL AND CIRCUIT NUMBERS	SCHEDULE
LVL 5 GARAGE ENTRANCE	1	PP-5B.#1	C
LVL 5 GARAGE PERIMETER	2	PP-5B.#3	C
LVL 5 GARAGE INTERIOR	3	PP-5B.#5	C
LVL 6 POLE FIXTURES	4	PP-5B.#9	A
LVL 6 POLE FIXTURES	5	PP-5B.#11	A
LVL 5 LINEAR STAIR TOWER	6	PP-5B.#2	-
LVL 5 LINEAR STAIR TOWER	7	PP-5B.#4	-
SPARE (FUTURE)	8		
SPARE (FUTURE)	9		
SPARE (FUTURE)	10		
SPARE (FUTURE)	11		
SPARE (FUTURE)	12		
SPARE (FUTURE)	13		
SPARE (FUTURE)	14		
SPARE (FUTURE)	15		
SPARE (FUTURE)	16		

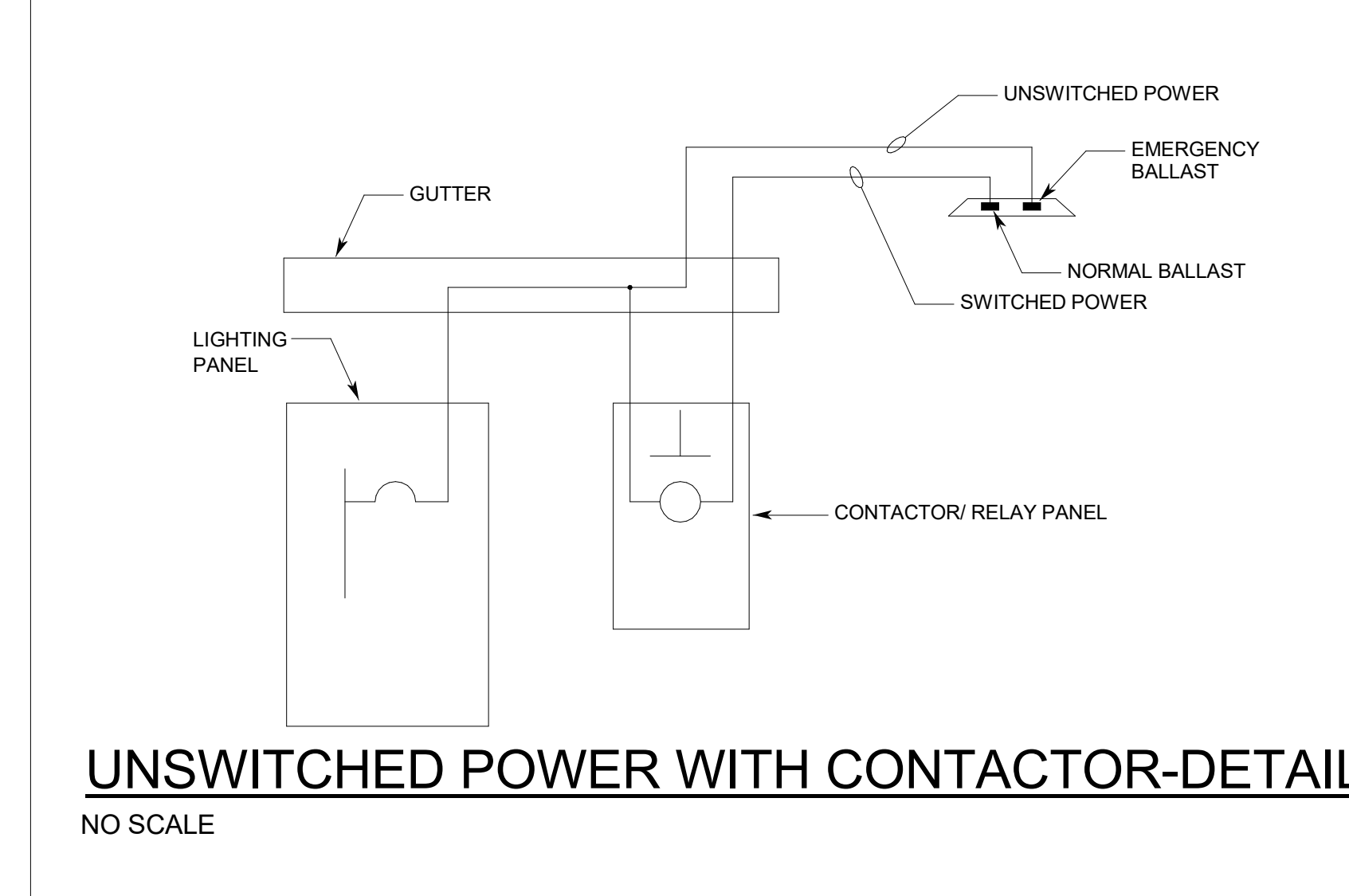
A. DUSK TO DAWN
B. DUSK TO CLOSE OF BUILDING
C. DAYLIGHT/OCCUPANCY

LIGHT FIXTURE SCHEDULE			
MARK	DESCRIPTION	LUMENS/WATTS	MANUFACTURER'S PART NO
LS1 (ELS1)	SURFACE MOUNTED LED, SEALED AND LISTED FOR WET LOCATIONS, 277 VOLT, MOUNT ON UNDERSIDE OF STAIR LANDING AND AT STAIR CANOPY ON ROOF LEVEL, EMERGENCY BALLAST	7500 LM/FT/30W/FT	LUMENWERX #V35EAL-D WET EPOD SW 80 750 40 XX UNV D1 1C EMBO GSM X CC NA
EWA	EXTERIOR WALL MOUNTED FIXTURE, EMERGENCY BATTERY PACK, UL LISTED WET LOCATION, 277V.	6000 LM/55W	EATON #HSWAF 1000 LED E1 T4FT XX CWB
GA (GAE)	LED PARKING GARAGE FIXTURE, 4000K, WIDE DISTRIBUTION, UNIVERSAL VOLTAGE, MOUNT @ 13"5" ON LEVEL 1 AND 8"5" ON ALL OTHER LEVELS, PROVIDE WITH MOUNTING HARDWARE AND INTEGRAL OCCUPANCY/DAYLIGHT SENSOR, UL LISTED DAMP LOCATION (GAE = GA + EMERGENCY BATTERY), 277V.	9500 LM/75 WATTS	COOPER #TT-D5-740-U-WQ-SPB2-(EM)
GB (GBE)	LED PARKING GARAGE FIXTURE, 4000K, WIDE DISTRIBUTION, UNIVERSAL VOLTAGE, MOUNT @ 13"5" ON LEVEL 1 AND 8"5" ON ALL OTHER LEVELS, PROVIDE WITH MOUNTING HARDWARE AND INTEGRAL OCCUPANCY/DAYLIGHT SENSOR, UL LISTED DAMP LOCATION (GBE = GB + EMERGENCY BATTERY), 277V.	9500 LM/75 WATTS	COOPER #TT-D5-740-U-CQ-SPB2-(EM)
LF (ELF)	4' LED STRIP FIXTURE, SURFACE MOUNTED, 3500K, 0-10V, DIMMING, 277V, (ELF = LF + EMERGENCY PACK)	3,150 LM/29W	EATON #45WLED-32SL-LC-UNV-L835-CD-U-(EM)
LPA	LED POLE MOUNTED AREA LIGHT, 2 HEADS MOUNTED AT 180 DEGREES, 4000K, TYPE 5 WIDE DISTRIBUTION, UNV VOLTAGE, MOUNTED ON 25' SQUARE STEEL POLE, WITH DIMMING, 277V.	21,360 LM/153 W	COOPER # (2) PRV-C60-D-UNV-T5-BZ/MTD AT 25' AFG
LRA (ERA)	RECESSED LED DOWNLIGHT, UL LISTED WET LOCATION, 277 VOLT (EMERGENCY BALLAST)	4000 LM/50 W	COOPER LD6C 4090 40 D010 MD 1H (EMBOD)
PL	LED PIT LIGHT, 5000K, WALL MOUNTED, 277V, UL LISTED FOR WET LOCATIONS	4000 LM/30W	METALUX #4V72-LD5-4-DR-UNV-L850-WL-U OR EQUAL BY: COLUMBIA/LITONIA
XA/XB	SURFACE MOUNTED EXIT SIGN, SUITABLE FOR DAMP LOCATIONS, THERMOPLASTIC HOUSING, CHEVRONS AS INDICATED, 277 VOLT, XA=SINGLE FACE, XB=DOUBLE FACE	LED'S INCLUDED	SURE-LITES LPKW 7 3/2 6 WH SD

NOTES:
1. MANUFACTURER'S PART NUMBERS ARE FOR LEVEL OF QUALITY AND PERFORMANCE. PROVIDE ALL OPTIONS AND ACCESSORIES TO MEET INTENT OF DESIGN.
2. 10 DAY PRIOR APPROVAL IS REQUIRED ON ALL FIXTURES NOT SPECIFICALLY CALLED OUT AS "OR EQUAL"
3. COORDINATE FIXTURE COLORS AND LAMP TEMP WITH ARCHITECT PRIOR TO ORDERING.
4. VERIFY CEILING TYPE AND COMPATIBILITY WITH FIXTURES PRIOR TO ORDERING.
5. FUSE FIXTURES IN FIELD.
6. FOR FIXTURES MARKED "BDD", COORDINATE FIXTURE SELECTION WITH ENGINEER/ARCHITECT PRIOR TO SUBMITTAL.

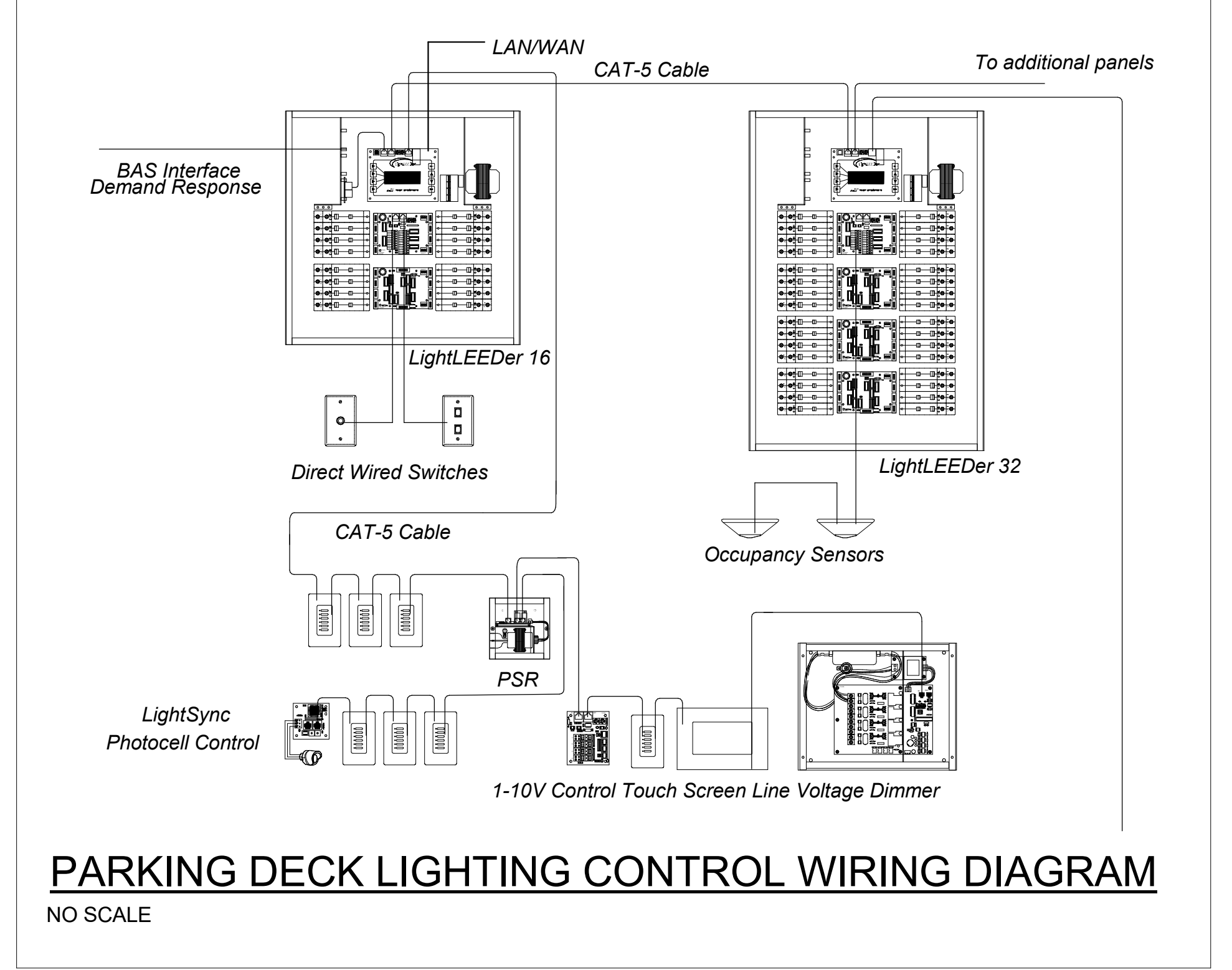


WIRELESS OCCUPANCY SENSOR AND LIGHTING CONTROL DETAIL
NO SCALE



UNSWITCHED POWER WITH CONTACTOR-DETAIL
NO SCALE

- PARKING DECK LIGHTING CONTROL NARRATIVE**
- THE INTENT IS TO PROVIDE A COMPLETE LIGHTING CONTROL SYSTEM FOR THE PARKING DECK INTERIOR AND EXTERIOR LIGHTING. ALL LIGHT FIXTURES SHALL BE DIMMABLE.
 - THE PERIMETER PARKING DECK LIGHT FIXTURES ARE TO BE CONTROLLED SEPARATELY FROM THE INTERIOR PARKING DECK LIGHT FIXTURES WITH THE PERIMETER LIGHTING DIMMED OR SHUT OFF DURING DAYLIGHT THROUGH DAYLIGHTING SENSORS.
 - LIGHTING POWER AT EACH LIGHT FIXTURE SHALL BE AUTOMATICALLY REDUCED BY A MINIMUM OF 30% WHEN THERE IS NO ACTIVITY DETECTED IN A LIGHTING ZONE FOR 20 MINUTES. (ASHRAE 90.1-2013 9.4.1.2)
 - LIGHTING AT ENTRANCE AND EXITS SHALL BE SEPARATELY CONTROLLED AND LIGHTING LEVELS SHALL BE REDUCED BY AT LEAST 50% FROM SUNRISE TO SUNSET.
 - INTERIOR OF STAIRS AND EXIT SIGNAGE SHALL BE CONTINUOUSLY ON.
 - EXTERIOR FLEXIBLE TUBE LIGHTING SHALL BE TIME CONTROLLED AND DIMMABLE.
 - EXTERIOR LED LIGHTING AT CANOPIES AND EXTERIOR OF THE STAIR TOWER SHALL BE TIME CONTROLLED AND DIMMABLE.
 - LIGHTING CONTROLS SHALL BE COMPLIANT WITH ASHRAE 90.1 2013.
 - PROVIDE COMPLETE SHOP DRAWINGS WITH SUBMITTALS.



PARKING DECK LIGHTING CONTROL WIRING DIAGRAM
NO SCALE

- INTERIOR SPACES LIGHTING CONTROLS PERFORMANCE SPEC:**
- LIGHTING CONTROLS ARE TO BE APPROVED PRIOR TO BID.
 - PROVIDE COMPLETE LIGHTING CONTROLS SHOP DRAWINGS PRIOR TO INSTALLATION.

HYDE ENGINEERING
3120 8TH AVENUE SOUTH
BIRMINGHAM, ALABAMA 35203
(P) 205 982-0900
(F) 205 982-9911
E-MAIL: LIZ@HYDE-EGR.COM

ENGINEER: LIZ HYDE
PROJECT # 23047.0



Evan Terry Associates LLC
Architecture • Accessible Design
One Perimeter Park South Suite 2005
Birmingham, AL 35243 (205) 972-9100

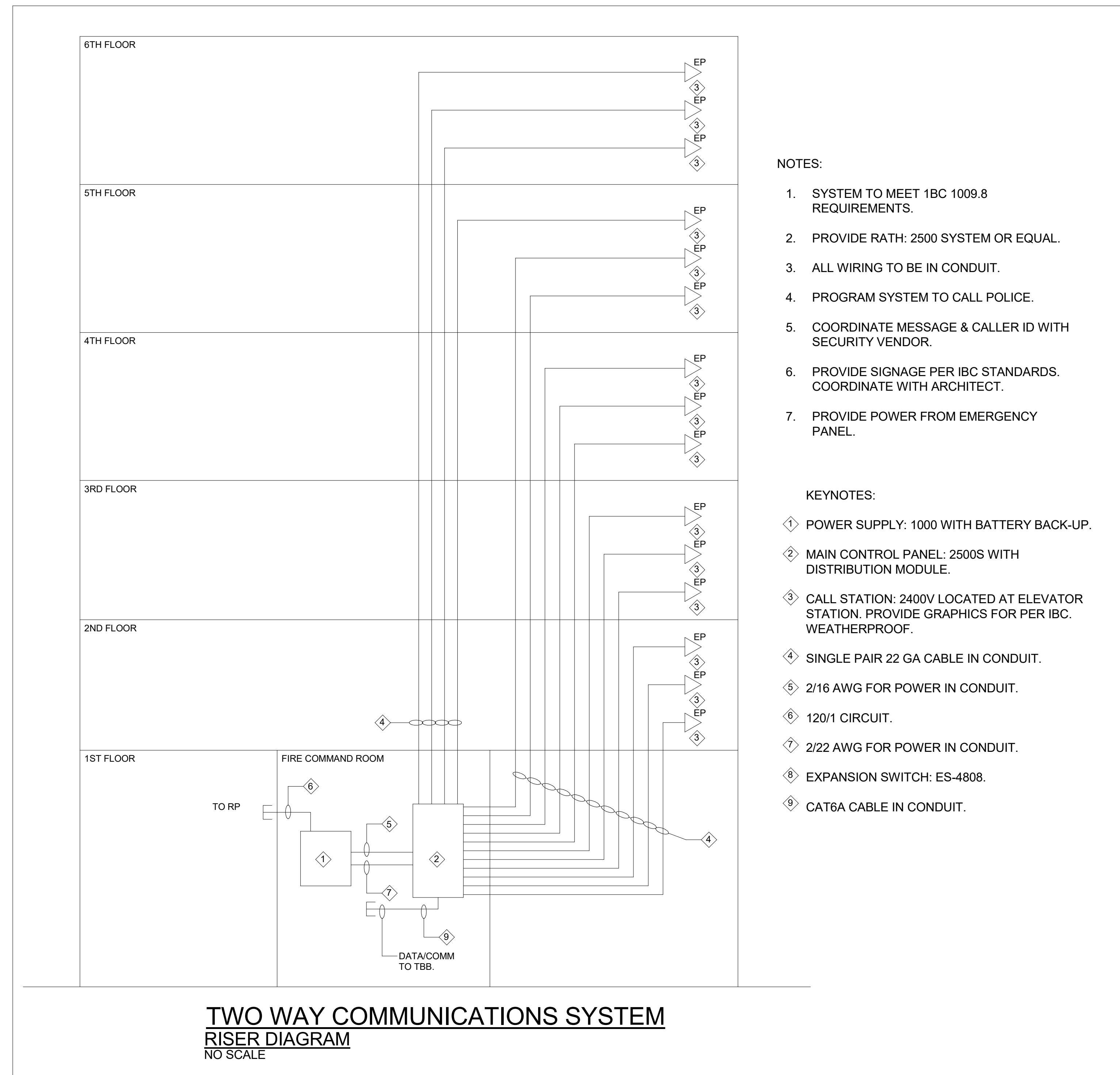
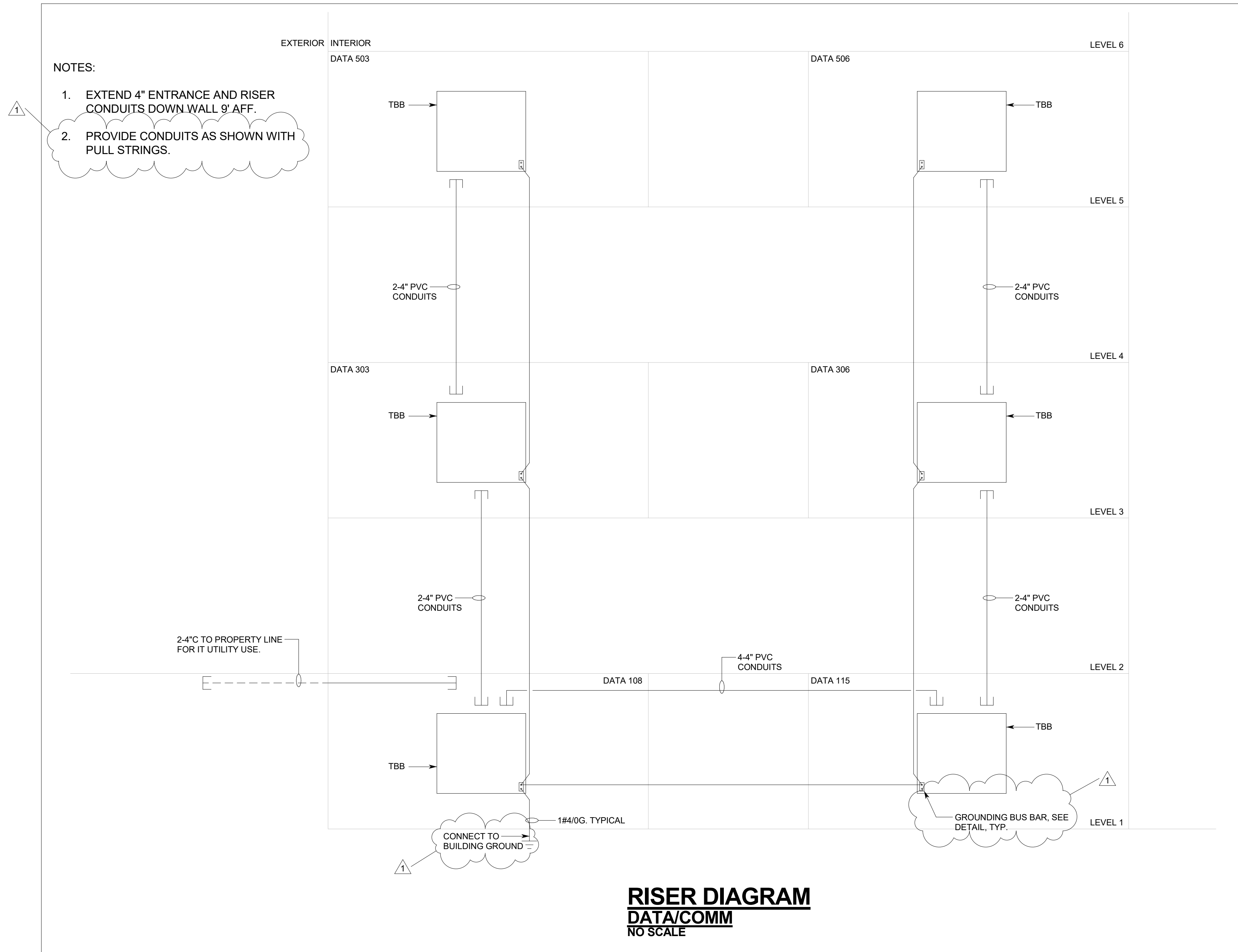
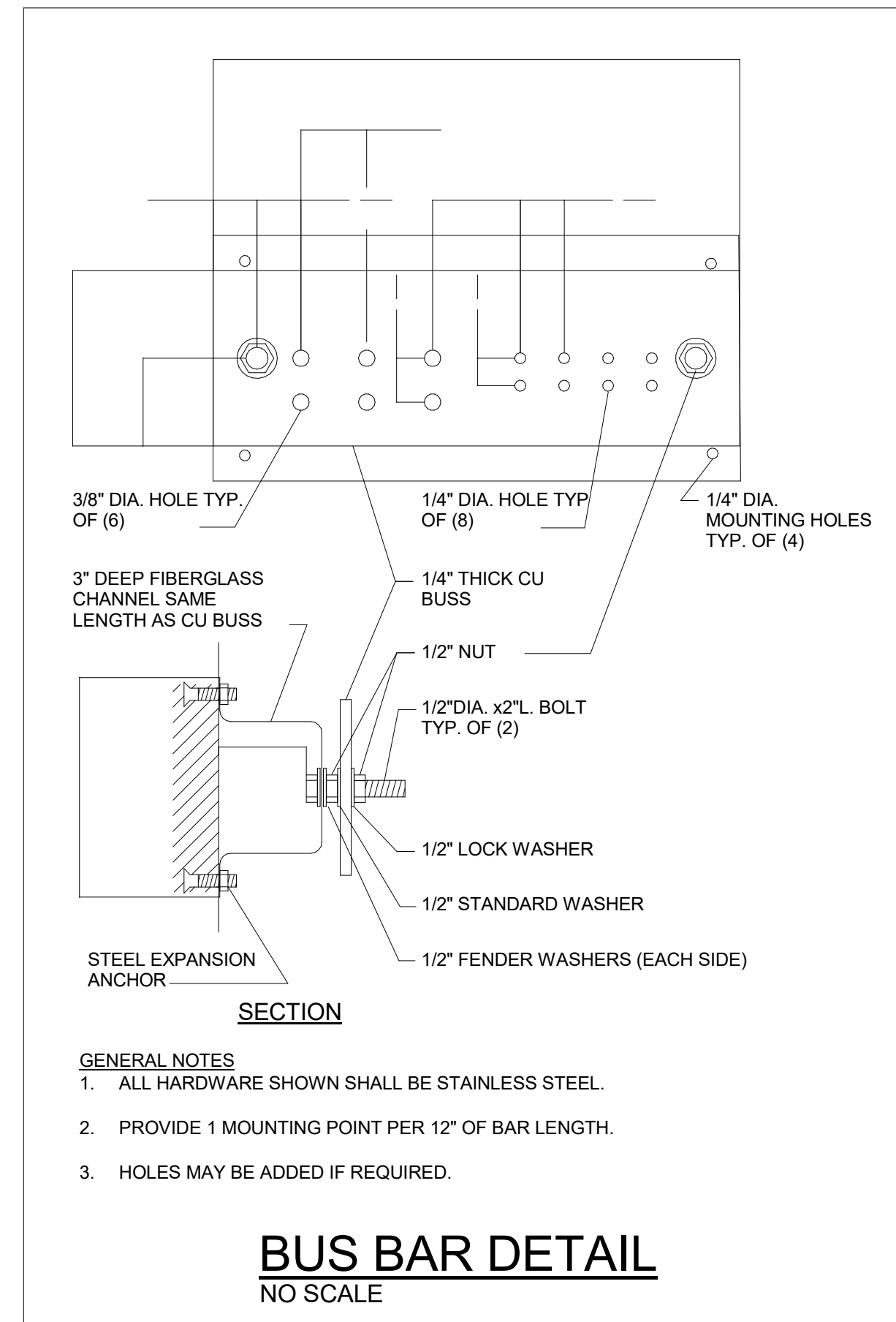
Revisions
Revision 1
8-30-23

sheet title
LIGHT FIXTURE SCHEDULE & DETAILS

job no. **4308**
dwg. by KCP
snt. no. MEH
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date August, 1 2023
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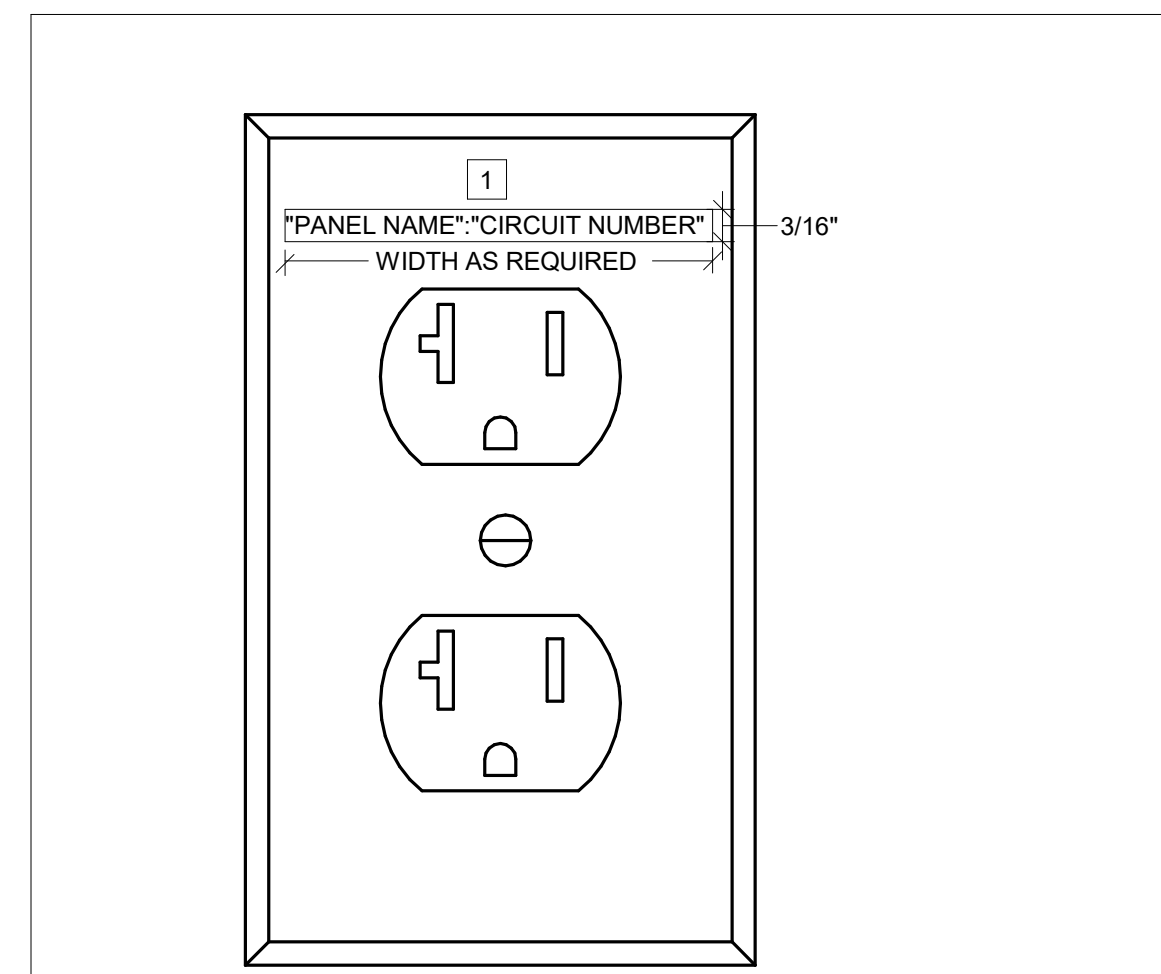
**Mobile Civic Center
Parking Facility**
Mobile, Alabama



Evan Terry Associates LLC
Architecture • Accessible Design
One Perimeter Park South Suite 2005
Birmingham, AL 35243 (205) 972-9100

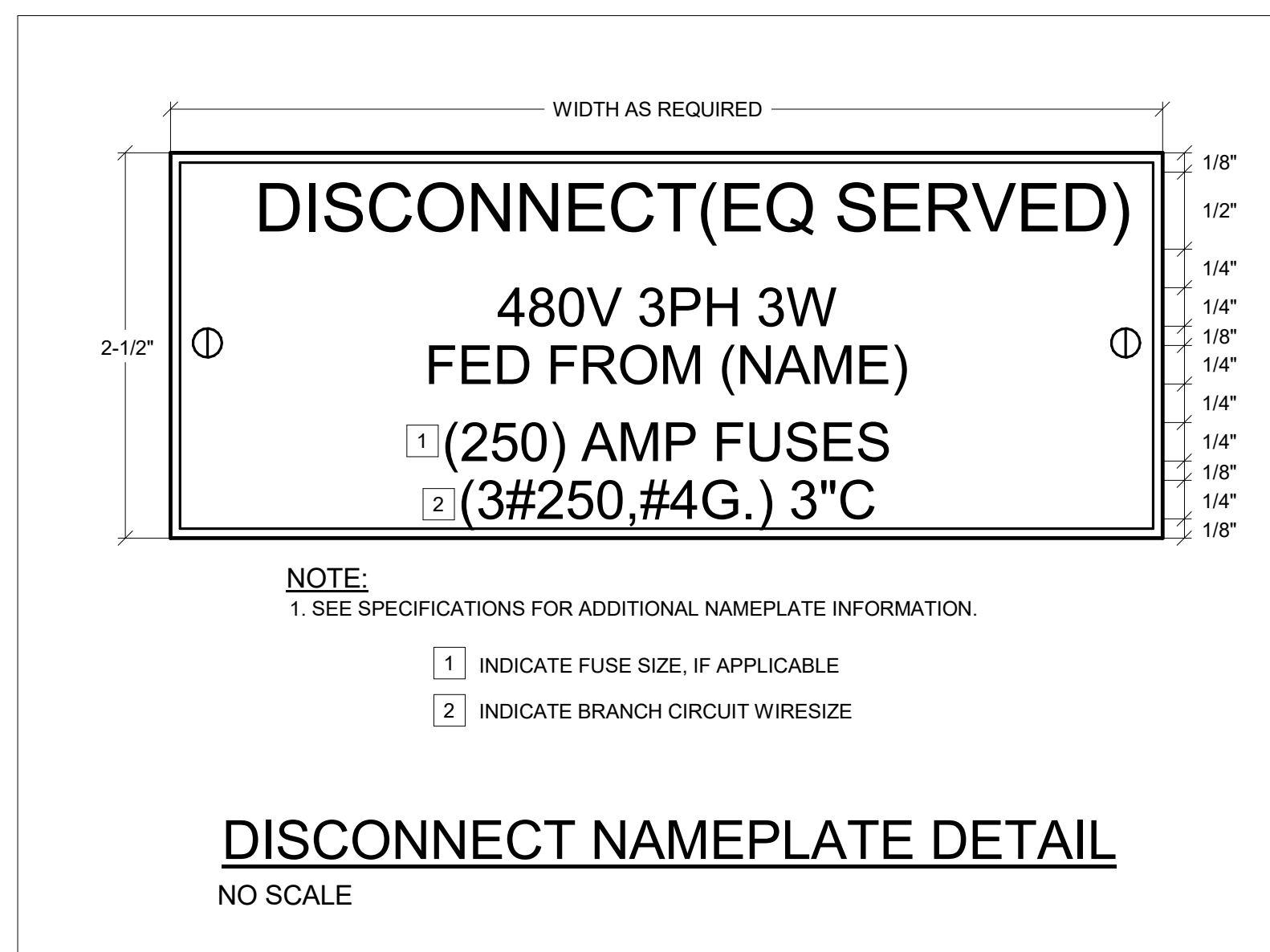
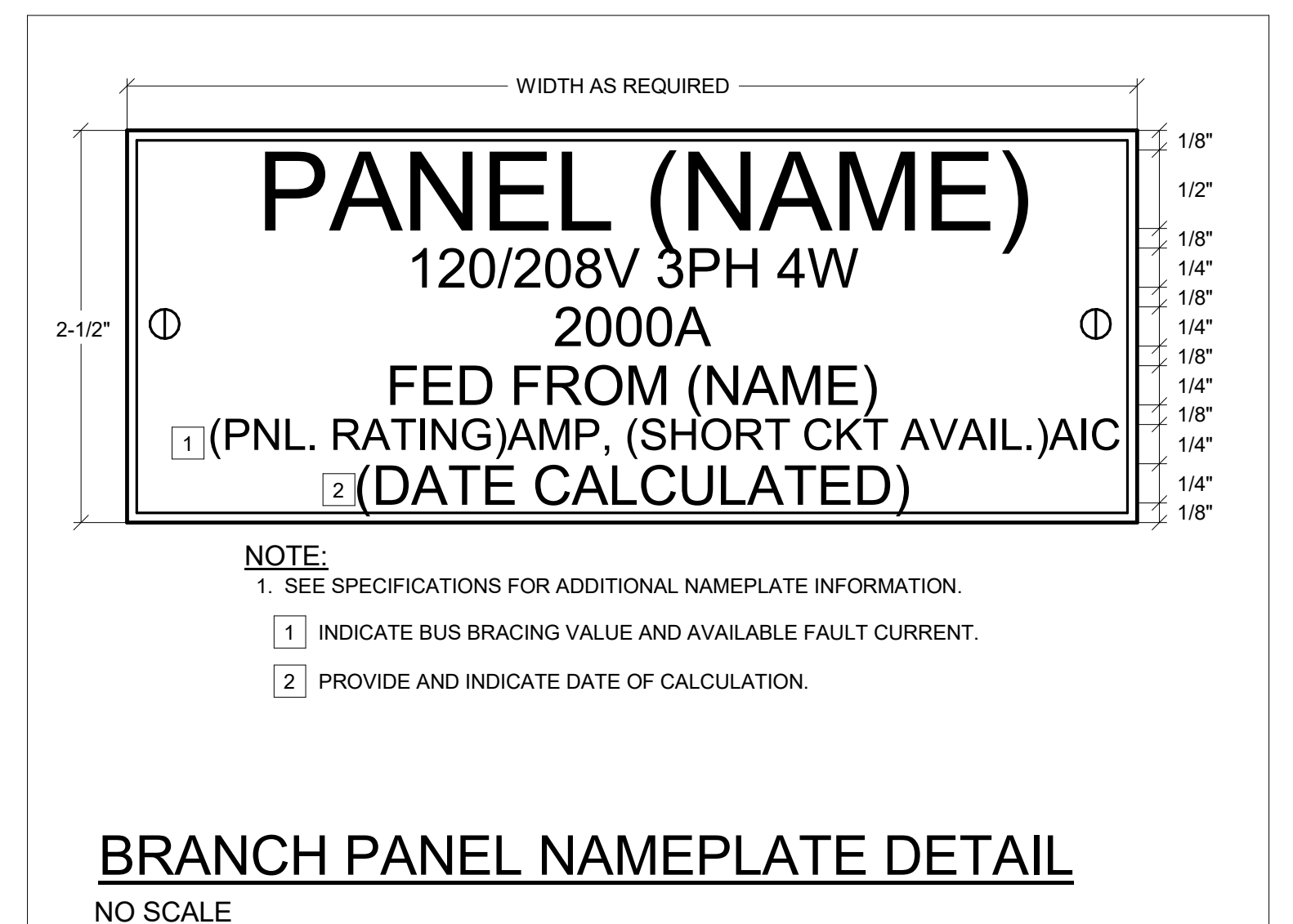
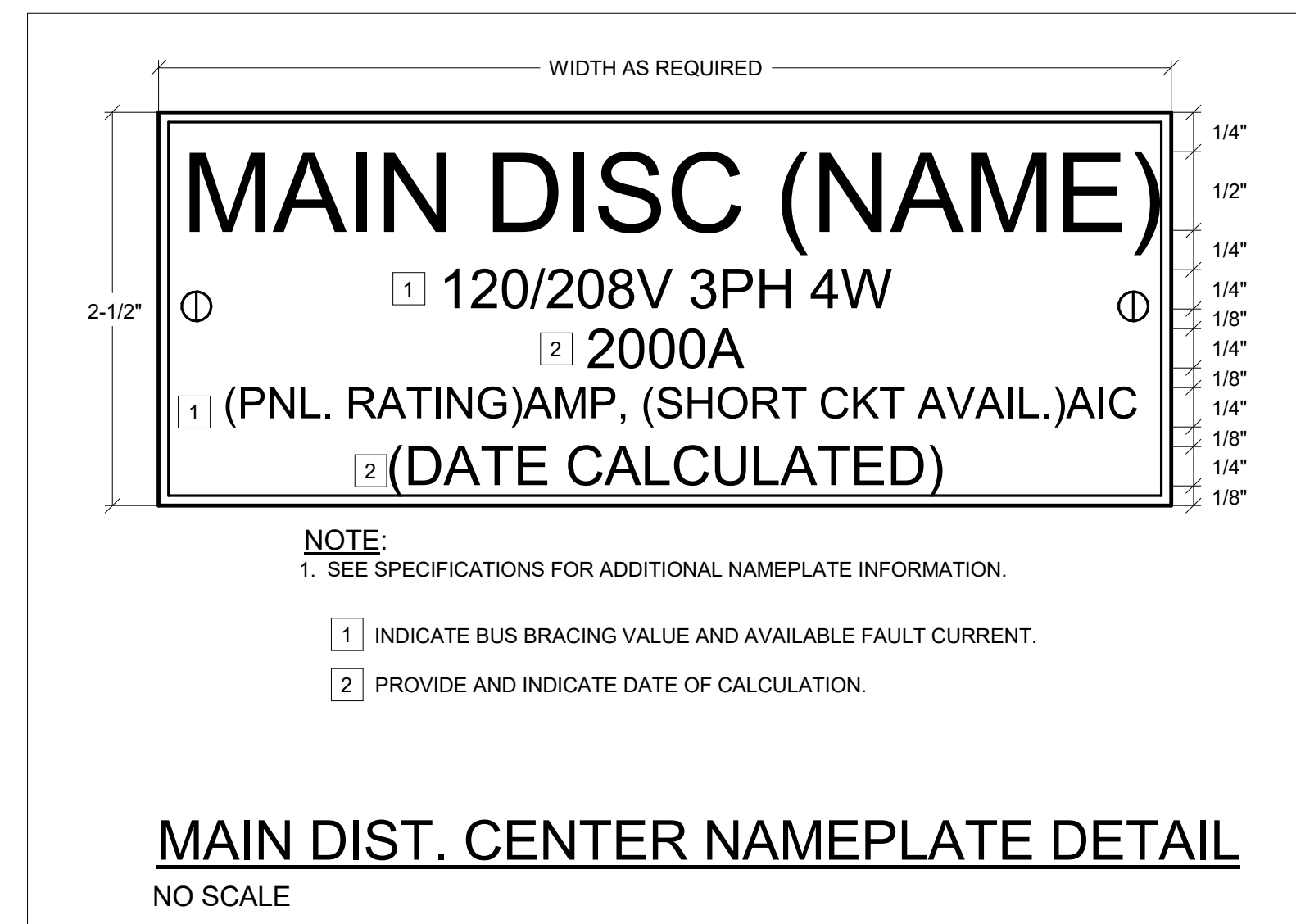
Revisions	Revision 1
8-30-23	
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sheet title	TELE/COMM DETAILS
job no.	4308
des. by	LOP
chk. by	MEH
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ENGINEER:	LIZ HYDE
PROJECT #	23047.0
sheet no.	E0.06
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HYDE ENGINEERING
3120 8TH AVENUE SOUTH
BIRMINGHAM, ALABAMA 35233
(P) 205 982-0900
(F) 205 982-9911
E-MAIL: LIZ@HYDE-EGR.COM



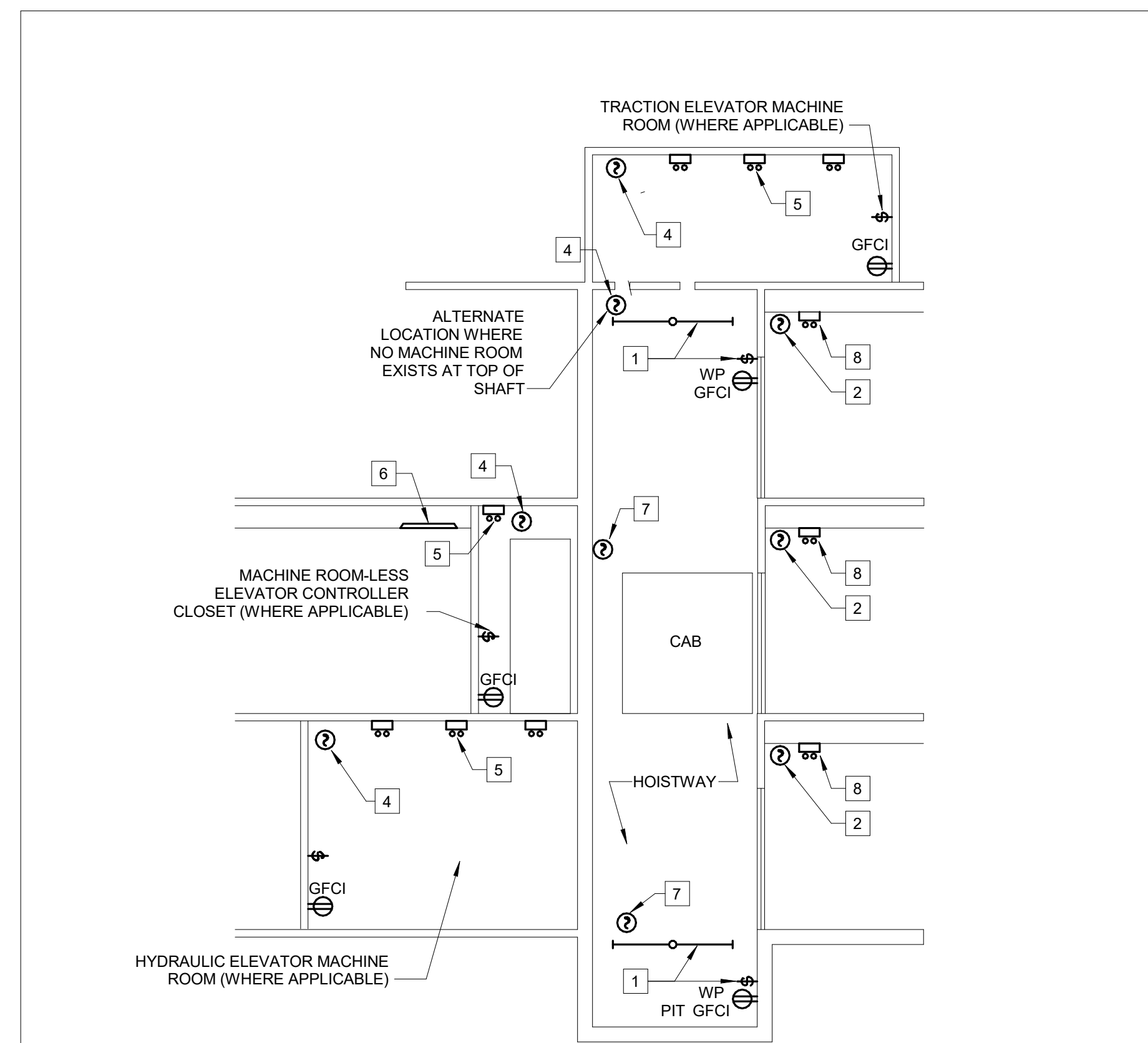
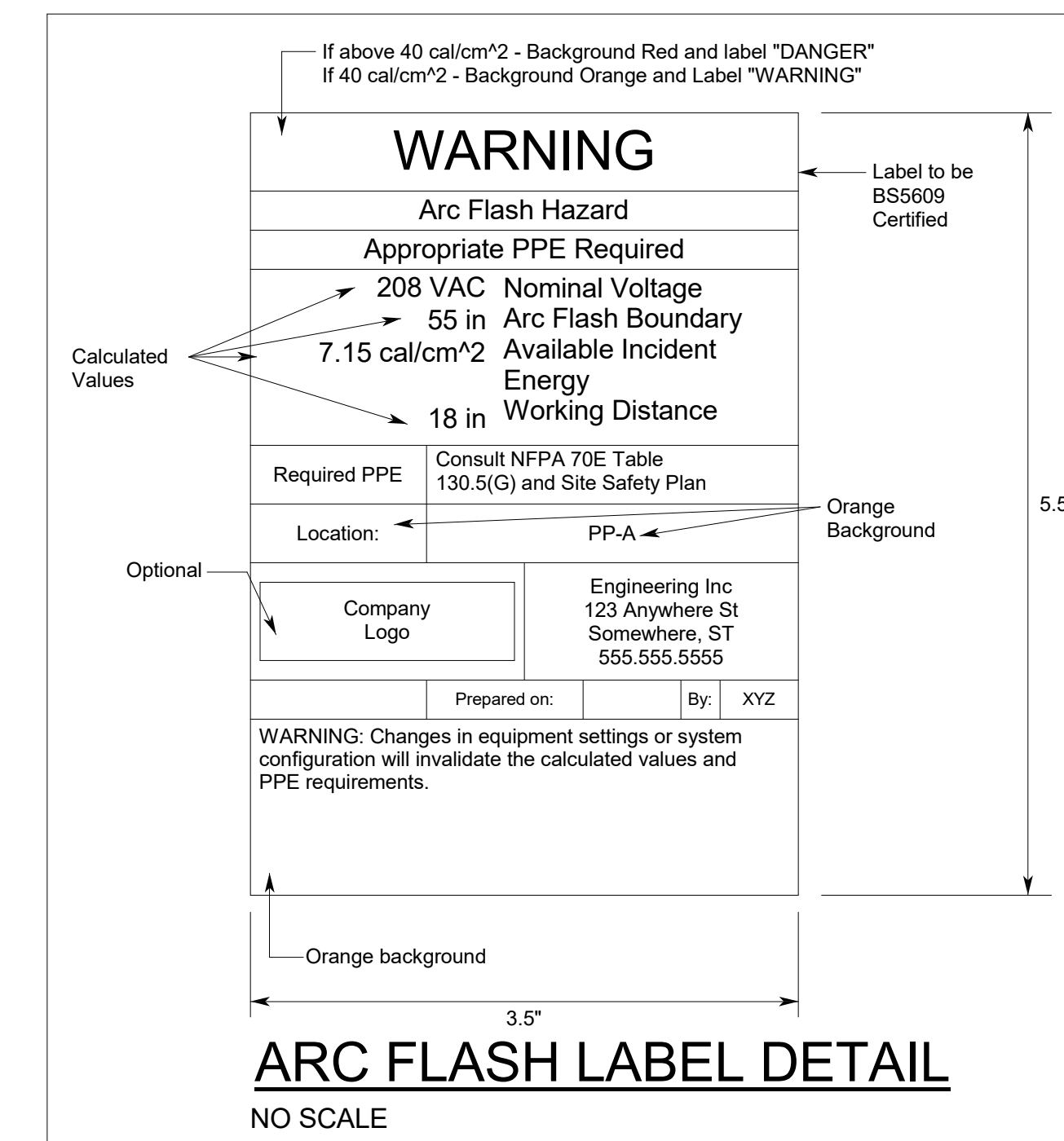
KEYNOTES:
 1 PROVIDE BLACK LETTERING ON CLEAR LABEL FOR NORMAL CIRCUITS AND RED LETTERING ON CLEAR LABEL FOR EMERGENCY/STANDBY CIRCUITS.

RECEPTACLE IDENTIFICATION
 NO SCALE



CONDUIT AND JUNCTION BOX COLOR CODING:
 PAINT A 1\"/>

120/208V SYSTEMS	- SILVER/UNPAINTED
277/480V SYSTEMS	- YELLOW
FIRE ALARM	- RED
DATA/COMM/SECURITY	- BLUE



DETAIL ELEVATOR ELECTRICAL REQUIREMENTS
 NO SCALE

- KEYNOTES:**
- WEATHERPROOF GFCI RECEPTACLE ON DEDICATED [STANDBY] CIRCUIT, FLUORESCENT/LED WET LOCATION LENSED STRIPLIGHTS CONTROLLED BY SPST SWITCH. PROVIDE FIXTURES TO ACHIEVE A MINIMUM OF 10FC IN PIT. TYPICAL AT TOP AND BOTTOM OF HOISTWAY.
 - SMOKE DETECTOR AT ALL LEVELS OF ELEVATOR, LOBBY, AND EQUIPMENT ROOM SMOKE DETECTORS SHALL INITIATE RECALL. TYPICAL.
 - NOT USED.
 - SMOKE DETECTOR FOR FULL COVERAGE PER NFPA, DETECTORS SHALL INITIATE RECALL.
 - PROVIDE STRIPLIGHTS WITH WIREGUARD WITHIN MACHINE AND CONTROL ROOMS, PROVIDE FIXTURES TO ACHIEVE A MINIMUM OF 50FC IN ROOM OR CLOSET. COORDINATE LOCATION OF STRIPLIGHTS WITH ELEVATOR EQUIPMENT.
 - PROVIDE ADDITIONAL FIXTURES OUTSIDE OF CLOSET AS NEEDED TO ACHIEVE 30FC AT FRONT OF CONTROLLER. MATCH FIXTURES TYPICAL OF THIS SPACE.
 - PROVIDE SMOKE DETECTOR FOR SMOKE RELIEF DAMPER OR RELIEF HATCH. HATCH TO RELEASE ON SHAFT DETECTOR ALARM.
 - PROVIDE ADDITIONAL FIXTURES AT ELEVATOR LOBBY AS NEEDED TO ACHIEVE 10FC AT THE ELEVATOR SILL.

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 Parking Facility**
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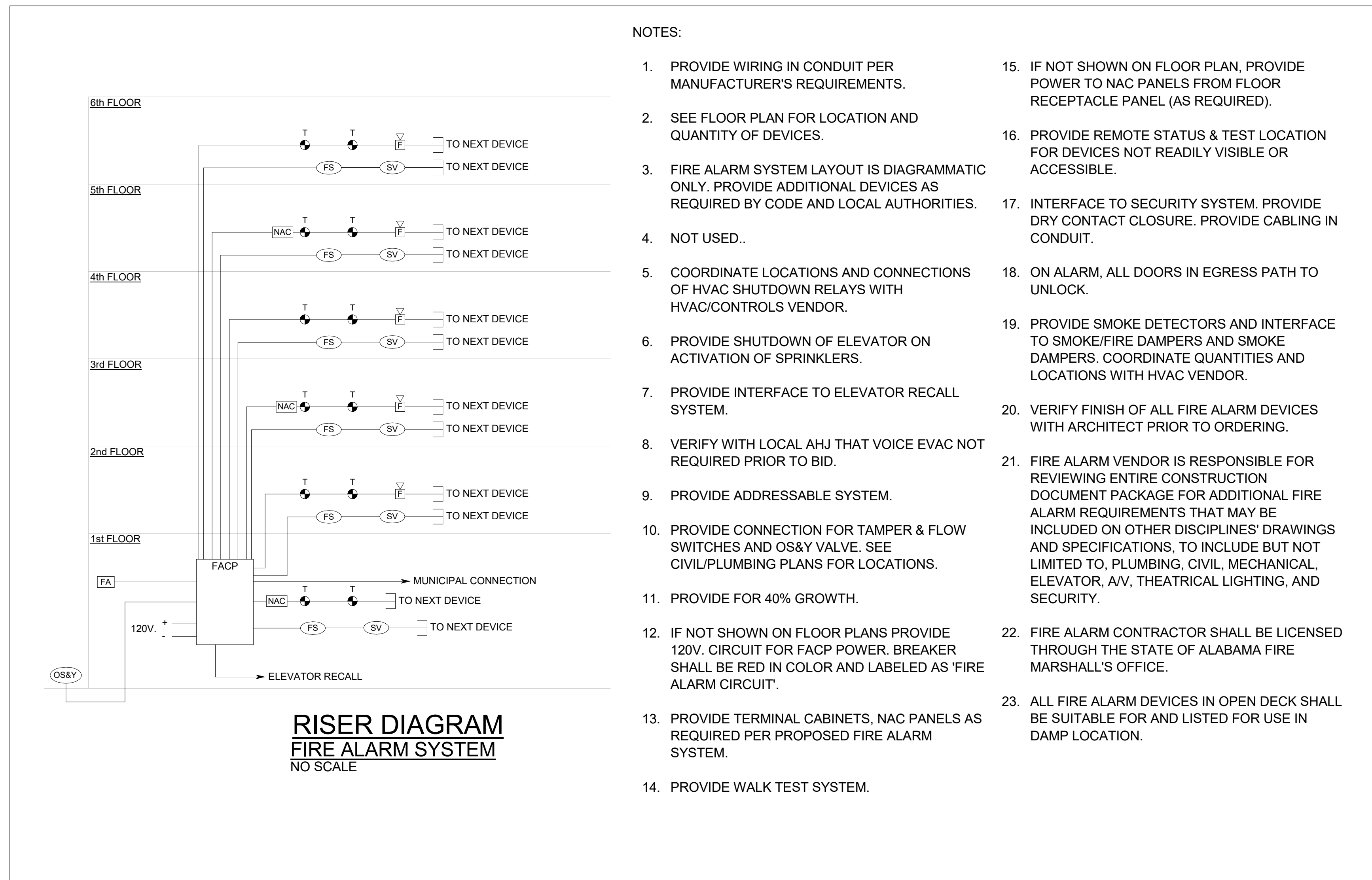


Evan Terry Associates LLC
 Architecture • Accessible Design
 One Perimeter Park South Suite 2005
 Birmingham, AL 35243 (205) 972-9100

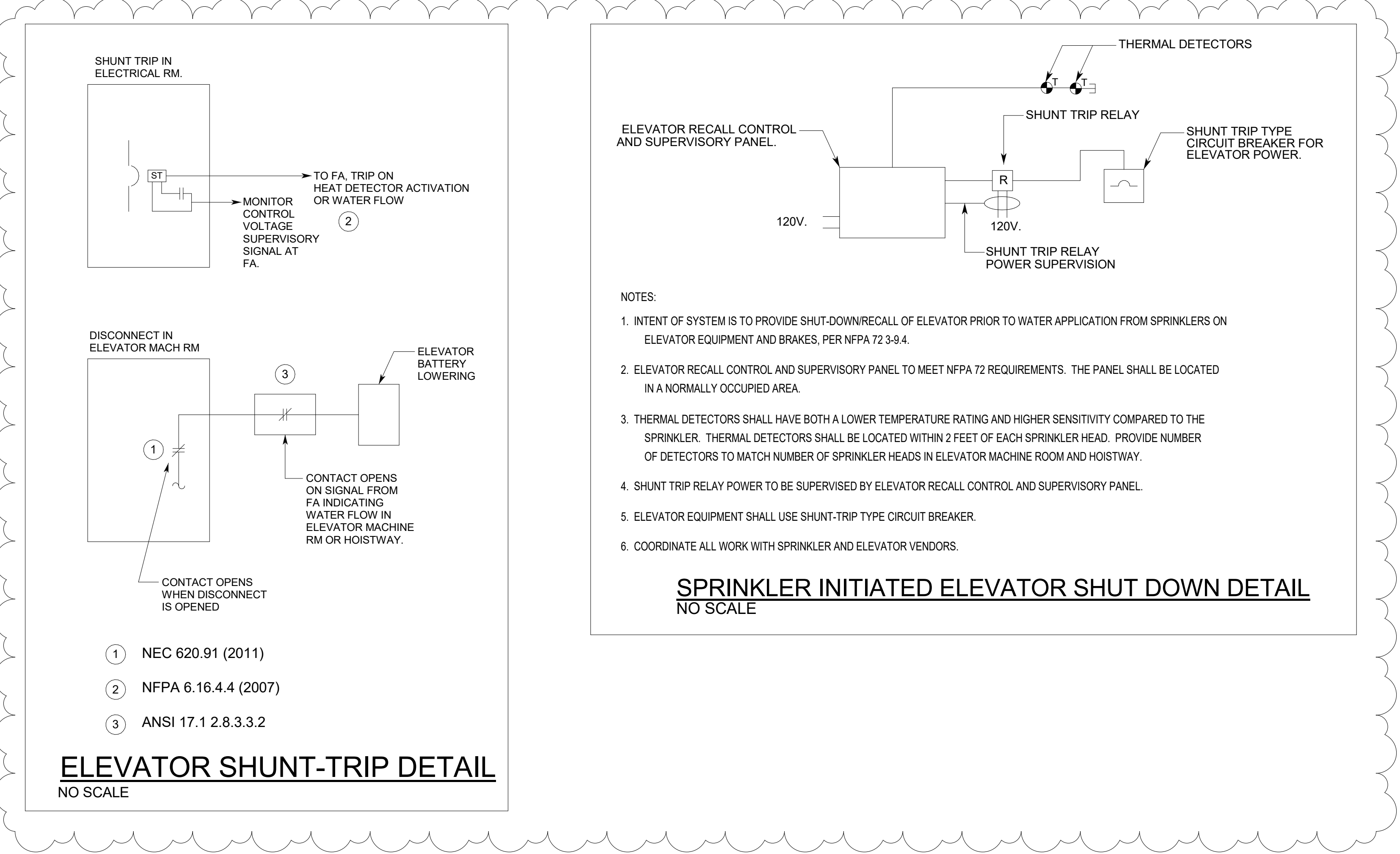
Revisions	Revision 1
8-30-23	
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sheet title	POWER DETAILS
job no.	4308
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HYDE ENGINEERING
 3120 8TH AVENUE SOUTH
 BIRMINGHAM, ALABAMA 35233
 (P) 205 982-0900
 (F) 205 982-9911
 E-MAIL: LIZ@HYDE-EGR.COM

ENGINEER: LIZ HYDE PROJECT # 23047.0



- NOTES:
1. PROVIDE WIRING IN CONDUIT PER MANUFACTURER'S REQUIREMENTS.
 2. SEE FLOOR PLAN FOR LOCATION AND QUANTITY OF DEVICES.
 3. FIRE ALARM SYSTEM LAYOUT IS DIAGRAMMATIC ONLY. PROVIDE ADDITIONAL DEVICES AS REQUIRED BY CODE AND LOCAL AUTHORITIES.
 4. NOT USED.
 5. COORDINATE LOCATIONS AND CONNECTIONS OF HVAC SHUTDOWN RELAYS WITH HVAC/CONTROLS VENDOR.
 6. PROVIDE SHUTDOWN OF ELEVATOR ON ACTIVATION OF SPRINKLERS.
 7. PROVIDE INTERFACE TO ELEVATOR RECALL SYSTEM.
 8. VERIFY WITH LOCAL AHJ THAT VOICE EVAC NOT REQUIRED PRIOR TO BID.
 9. PROVIDE ADDRESSABLE SYSTEM.
 10. PROVIDE CONNECTION FOR TAMPER & FLOW SWITCHES AND OS&Y VALVE. SEE CIVIL/PLUMBING PLANS FOR LOCATIONS.
 11. PROVIDE FOR 40% GROWTH.
 12. IF NOT SHOWN ON FLOOR PLANS PROVIDE 120V. CIRCUIT FOR FACP POWER. BREAKER SHALL BE RED IN COLOR AND LABELED AS 'FIRE ALARM CIRCUIT'.
 13. PROVIDE TERMINAL CABINETS, NAC PANELS AS REQUIRED PER PROPOSED FIRE ALARM SYSTEM.
 14. PROVIDE WALK TEST SYSTEM.
 15. IF NOT SHOWN ON FLOOR PLAN, PROVIDE POWER TO NAC PANELS FROM FLOOR RECEPTACLE PANEL (AS REQUIRED).
 16. PROVIDE REMOTE STATUS & TEST LOCATION FOR DEVICES NOT READILY VISIBLE OR ACCESSIBLE.
 17. INTERFACE TO SECURITY SYSTEM. PROVIDE DRY CONTACT CLOSURE. PROVIDE CABLING IN CONDUIT.
 18. ON ALARM, ALL DOORS IN EGRESS PATH TO UNLOCK.
 19. PROVIDE SMOKE DETECTORS AND INTERFACE TO SMOKE/FIRE DAMPERS AND SMOKE DAMPERS. COORDINATE QUANTITIES AND LOCATIONS WITH HVAC VENDOR.
 20. VERIFY FINISH OF ALL FIRE ALARM DEVICES WITH ARCHITECT PRIOR TO ORDERING.
 21. FIRE ALARM VENDOR IS RESPONSIBLE FOR REVIEWING ENTIRE CONSTRUCTION DOCUMENT PACKAGE FOR ADDITIONAL FIRE ALARM REQUIREMENTS THAT MAY BE INCLUDED ON OTHER DISCIPLINES' DRAWINGS AND SPECIFICATIONS, TO INCLUDE BUT NOT LIMITED TO, PLUMBING, CIVIL, MECHANICAL, ELEVATOR, A/V, THEATRICAL LIGHTING, AND SECURITY.
 22. FIRE ALARM CONTRACTOR SHALL BE LICENSED THROUGH THE STATE OF ALABAMA FIRE MARSHALL'S OFFICE.
 23. ALL FIRE ALARM DEVICES IN OPEN DECK SHALL BE SUITABLE FOR AND LISTED FOR USE IN DAMP LOCATION.



- NOTES:
1. INTENT OF SYSTEM IS TO PROVIDE SHUT-DOWN/RECALL OF ELEVATOR PRIOR TO WATER APPLICATION FROM SPRINKLERS ON ELEVATOR EQUIPMENT AND BRAKES, PER NFPA 72 3-8.4.
 2. ELEVATOR RECALL CONTROL AND SUPERVISORY PANEL TO MEET NFPA 72 REQUIREMENTS. THE PANEL SHALL BE LOCATED IN A NORMALLY OCCUPIED AREA.
 3. THERMAL DETECTORS SHALL HAVE BOTH A LOWER TEMPERATURE RATING AND HIGHER SENSITIVITY COMPARED TO THE SPRINKLER. THERMAL DETECTORS SHALL BE LOCATED WITHIN 2 FEET OF EACH SPRINKLER HEAD. PROVIDE NUMBER OF DETECTORS TO MATCH NUMBER OF SPRINKLER HEADS IN ELEVATOR MACHINE ROOM AND HOISTWAY.
 4. SHUNT TRIP RELAY POWER TO BE SUPERVISED BY ELEVATOR RECALL CONTROL AND SUPERVISORY PANEL.
 5. ELEVATOR EQUIPMENT SHALL USE SHUNT-TRIP TYPE CIRCUIT BREAKER.
 6. COORDINATE ALL WORK WITH SPRINKLER AND ELEVATOR VENDORS.

- ① NEC 620.91 (2011)
 ② NFPA 6.16.4.4 (2007)
 ③ ANSI 17.1 2.8.3.3.2
- ELEVATOR SHUNT-TRIP DETAIL
NO SCALE**



Revisions	Revision 1
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1	
sheet title	FIRE ALARM DETAILS
job no.	4308
desn. by	LOP
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ENGINEER:	LIZ HYDE
PROJECT #	23047.0

HYDE ENGINEERING
 3120 8TH AVENUE SOUTH
 BIRMINGHAM, ALABAMA 35233
 (P) 205 982-0900
 (F) 205 982-9911
 E-MAIL: LIZ@HYDE-EGR.COM

Mobile Civic Center Parking Facility

Mobile, Alabama

EQUIPMENT SCHEDULE

MARK	DESCRIPTION	ELECTRICAL CHARACTERISTICS				PANEL	DISCONNECT SW		FEEDER	REMARKS
		VOLT/PHASE	KW	HP	FLA		SIZE	FUSE		
AC 1	AIR COMPRESSOR	208/1		0.5		RP-1A	30/1	20	20SG	1, 2, 7.
DS 1	MINI SPLIT AIR COND. INDOOR UNIT	208/1				-	SW	-	-	4, 8, 9.
DS 2	MINI SPLIT AIR COND. INDOOR UNIT	208/1				-	SW	-	-	4, 8, 9.
DS 3	MINI SPLIT AIR COND. INDOOR UNIT	208/1				-	SW	-	-	4, 8, 9.
DS 4	MINI SPLIT AIR COND. INDOOR UNIT	208/1				-	SW	-	-	4, 8, 9.
DS 5	MINI SPLIT AIR COND. INDOOR UNIT	208/1				-	SW	-	-	4, 8, 9.
DS 6	MINI SPLIT AIR COND. INDOOR UNIT	208/1				-	SW	-	-	4, 8, 9.
DS 7	MINI SPLIT AIR COND. INDOOR UNIT	208/1				-	SW	-	-	4, 8, 9.
DS 8	MINI SPLIT AIR COND. INDOOR UNIT	208/1				-	SW	-	-	4, 8, 9.
DS 9	MINI SPLIT AIR COND. INDOOR UNIT	208/1				-	SW	-	-	4, 8, 9.
DS 10	MINI SPLIT AIR COND. INDOOR UNIT	208/1				-	SW	-	-	4, 8, 9.
DS 11	MINI SPLIT AIR COND. INDOOR UNIT	208/1				-	SW	-	-	4, 8, 9.
DS 12	MINI SPLIT AIR COND. INDOOR UNIT	208/1				-	SW	-	-	4, 8, 9.
DS 13	MINI SPLIT AIR COND. INDOOR UNIT	208/1				-	SW	-	-	4, 8, 9.
DS 14	MINI SPLIT AIR COND. INDOOR UNIT	208/1				-	SW	-	-	4, 8, 9.
DS 15	MINI SPLIT AIR COND. INDOOR UNIT	208/1				-	SW	-	-	4, 8, 9.
DS 16	MINI SPLIT AIR COND. INDOOR UNIT	208/1				-	SW	-	-	4, 8, 9.
DSHP 1	MINI SPLIT AIR COND. OUTDOOR UNIT	208/1			9.24	RP-1A	30/2	30	30SG	1, 2.
DSHP 2	MINI SPLIT AIR COND. OUTDOOR UNIT	208/1			9.24	RP-1A	30/2	30	30SG	1, 2.
DSHP 3	MINI SPLIT AIR COND. OUTDOOR UNIT	208/1			9.24	RP-1B	30/2	30	30SG	1, 2.
DSHP 4	MINI SPLIT AIR COND. OUTDOOR UNIT	208/1			9.24	RP-1B	30/2	30	30SG	1, 2.
DSHP 5	MINI SPLIT AIR COND. OUTDOOR UNIT	208/1			9.24	RP-3A	30/2	30	30SG	1, 2.
DSHP 6	MINI SPLIT AIR COND. OUTDOOR UNIT	208/1			9.24	RP-3A	30/2	30	30SG	1, 2.
DSHP 7	MINI SPLIT AIR COND. OUTDOOR UNIT	208/1			9.24	RP-3B	30/2	30	30SG	1, 2.
DSHP 8	MINI SPLIT AIR COND. OUTDOOR UNIT	208/1			9.24	RP-3B	30/2	30	30SG	1, 2.
DSHP 9	MINI SPLIT AIR COND. OUTDOOR UNIT	208/1			9.24	RP-5A	30/2	30	30SG	1, 2.
DSHP 10	MINI SPLIT AIR COND. OUTDOOR UNIT	208/1			9.24	RP-5A	30/2	30	30SG	1, 2.
DSHP 11	MINI SPLIT AIR COND. OUTDOOR UNIT	208/1			9.24	RP-5B	30/2	30	30SG	1, 2.
DSHP 12	MINI SPLIT AIR COND. OUTDOOR UNIT	208/1			9.24	RP-5B	30/2	30	30SG	1, 2.
DSHP 13	MINI SPLIT AIR COND. OUTDOOR UNIT	208/1			9.24	RP-5A	30/2	30	30SG	1, 2.
DSHP 14	MINI SPLIT AIR COND. OUTDOOR UNIT	208/1			9.24	RP-5B	30/2	30	30SG	1, 2.
DSHP 15	MINI SPLIT AIR COND. OUTDOOR UNIT	208/1			9.24	RP-5B	30/2	30	30SG	1, 2.
DSHP 16	MINI SPLIT AIR COND. OUTDOOR UNIT	208/1			8	RP-1B	30/2	30	30SG	1, 2.
EL 1	ELEVATOR	480/3			15	MPA	60/3	60	60DG	1, 2, 3, 6.
EL 2	ELEVATOR	480/3			15	MPA	60/3	60	60DG	1, 2, 3, 6.
EL 3	ELEVATOR	480/3			15	MPA	60/3	60	60DG	1, 2, 3, 6.
EL 4	ELEVATOR	480/3			15	MPA	60/3	60	60DG	1, 2, 3, 6.
EL 5	ELEVATOR	480/3			15	MPA	60/3	60	60DG	1, 2, 3, 6.
EL 6	ELEVATOR	480/3			15	MPA	60/3	60	60DG	1, 2, 3, 6.
ESP 1	ELEVATOR SUMP PUMP	120/1			1/2	RP-1A	30/1	20	20SG	1, 2, 5.
ESP 2	ELEVATOR SUMP PUMP	120/1			1/2	RP-1B	30/1	20	20SG	1, 2, 5.
ESP 3	ELEVATOR SUMP PUMP	120/1			1/2	RP-1B	30/1	20	20SG	1, 2, 5.
EUH 1	ELECTRIC HEATER	208/3			5	RP-1B	30/3	20	20DG	1, 2.
EUH 2	ELECTRIC HEATER	208/3			5	RP-1B	30/3	20	20DG	1, 2.
WH 1	ELECTRIC HEATER	120/1			0.375	RP-1B	30/1	20	20SG	1, 2.

- NOTES:
1. VERIFY NAMEPLATE DATA PRIOR TO ROUGH-IN.
 2. PROVIDE REQUIRED WORKING CLEARANCE FOR ALL DISCONNECTS.
 3. ELEVATOR INFORMATION WAS NOT AVAILABLE AT TIME OF DESIGN. CONTRACTOR SHALL COORDINATE THE ELECTRICAL REQUIREMENTS PRIOR TO ROUGH-IN AND ORDERING ELECTRICAL EQUIPMENT.
 4. INDOOR UNIT FED FROM OUTDOOR UNIT. COORDINATE WITH MECHANICAL CONTRACTOR.
 5. PROVIDE WP GFI RECEPTACLE FOR SUMP PUMP. COORDINATE REQUIREMENTS PRIOR TO ROUGH-IN.
 6. PROVIDE AUX CONTACTS AT CIRCUIT BREAKER AS WELL AS DISCONNECTING MEANS FOR BATTERY LOWERING.
 7. PROVIDE FIRE ALARM SUPERVISION FOR AIR COMPRESSOR CIRCUIT.
 8. PROVIDE HR RATED SWITCH - MITSUBISHI TAZ-MS303 OR EQUAL. MOUNT NEXT TO UNIT AND LABEL "AC UNIT". VERIFY REQUIREMENTS WITH MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN OR ORDERING EQUIPMENT.
 9. PROVIDE INTERUNIT WIRING 14/3 IN 3/4". COORDINATE REQUIREMENTS WITH MECHANICAL CONTRACTOR.

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 3120 8TH AVENUE SOUTH
 BIRMINGHAM, ALABAMA 35233
 (P) 205 982-0900
 (F) 205 982-9911
 E-MAIL: LIZ@HYDE-EGR.COM

ENGINEER:
LIZ HYDE

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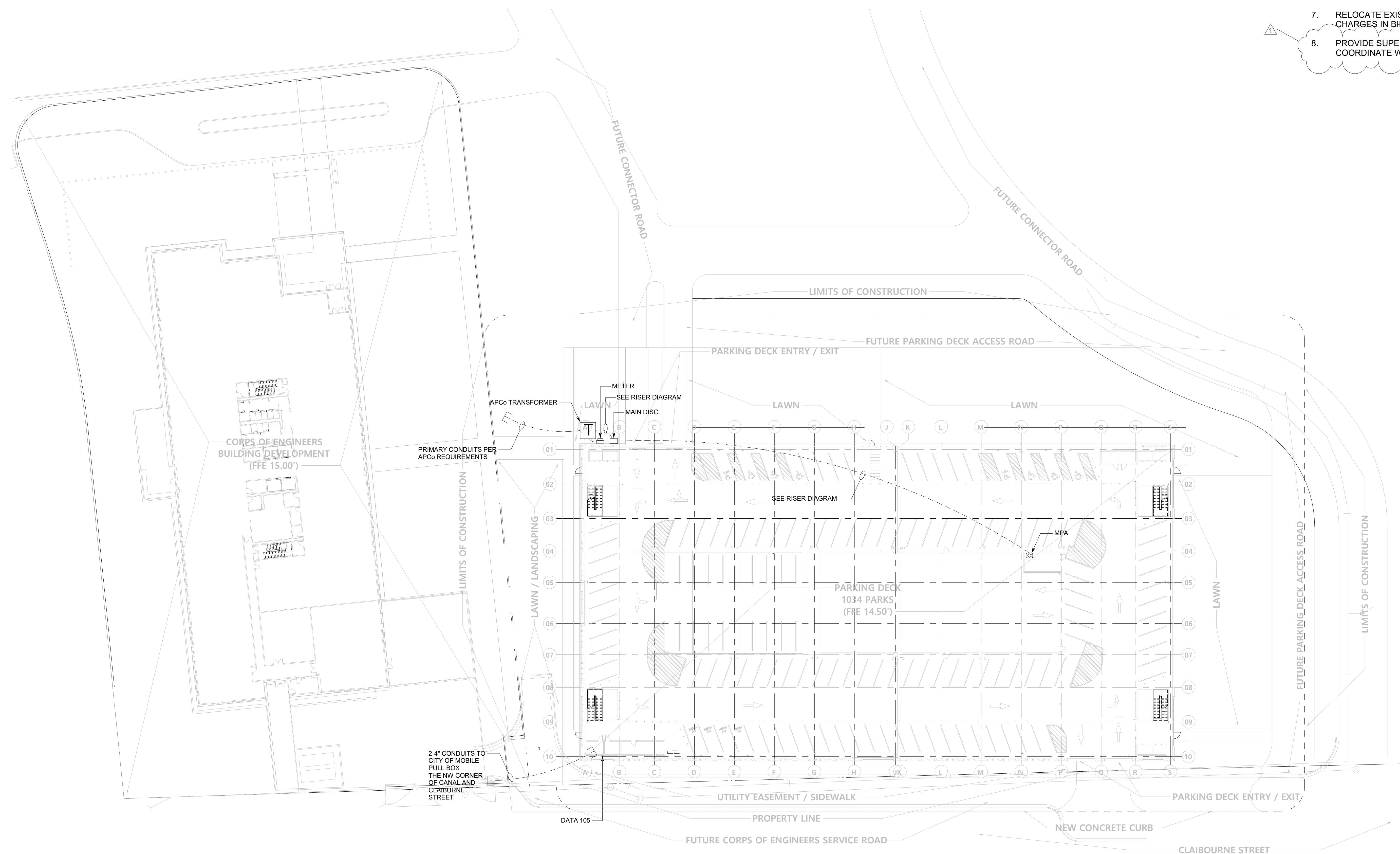
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chk. by	MEH
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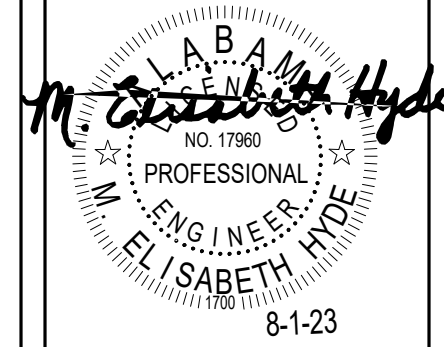
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- NOTES:
- COORDINATE NEW ELECTRICAL SERVICE WITH POWER COMPANY. VERIFY LOCATIONS OF TRANSFORMER & DIRECTION OF PRIMARY FEEDERS. VERIFY NEW POLE LOCATION, CONDUIT REQUIREMENTS (IF ANY), AND METER LOCATIONS PRIOR TO BID. INCLUDE ALL CHARGES IN BID.
 - COORDINATE NEW TELEPHONE SERVICE WITH PHONE COMPANY. PROVIDE CONDUITS PER TELEPHONE COMPANY REQUIREMENTS. INCLUDE ALL PHONE COMPANY CHARGES IN BID. VERIFY LOCATION OF SYSTEM TIE-IN PRIOR TO BID.
 - COORDINATE SIGNAGE REQUIREMENTS WITH VENDOR. ADJUST CIRCUITS AS NECESSARY.
 - COORDINATE NEW CABLE SERVICE WITH CABLE COMPANY. INCLUDE ALL CHARGES IN BID.
 - ALL EXTERIOR LIGHTING & SIGNAGE TO BE CIRCUITED THROUGH PHOTOCELL/TIMECLOCK.
 - COORDINATE LOCATIONS OF FIXTURE POLES WITH EXISTING OVERHEAD UTILITIES. ADJUST POLE LOCATION AS NECESSARY.
 - RELOCATE EXISTING OVERHEAD UTILITIES AS REQUIRED. INCLUDE CHARGES IN BID.
 - PROVIDE SUPERVISION AT EXTERIOR FIRE SYSTEM VALVES. COORDINATE WITH CIVIL.



SITE PLAN - ELECTRICAL

SCALE: 1" = 30'-0"



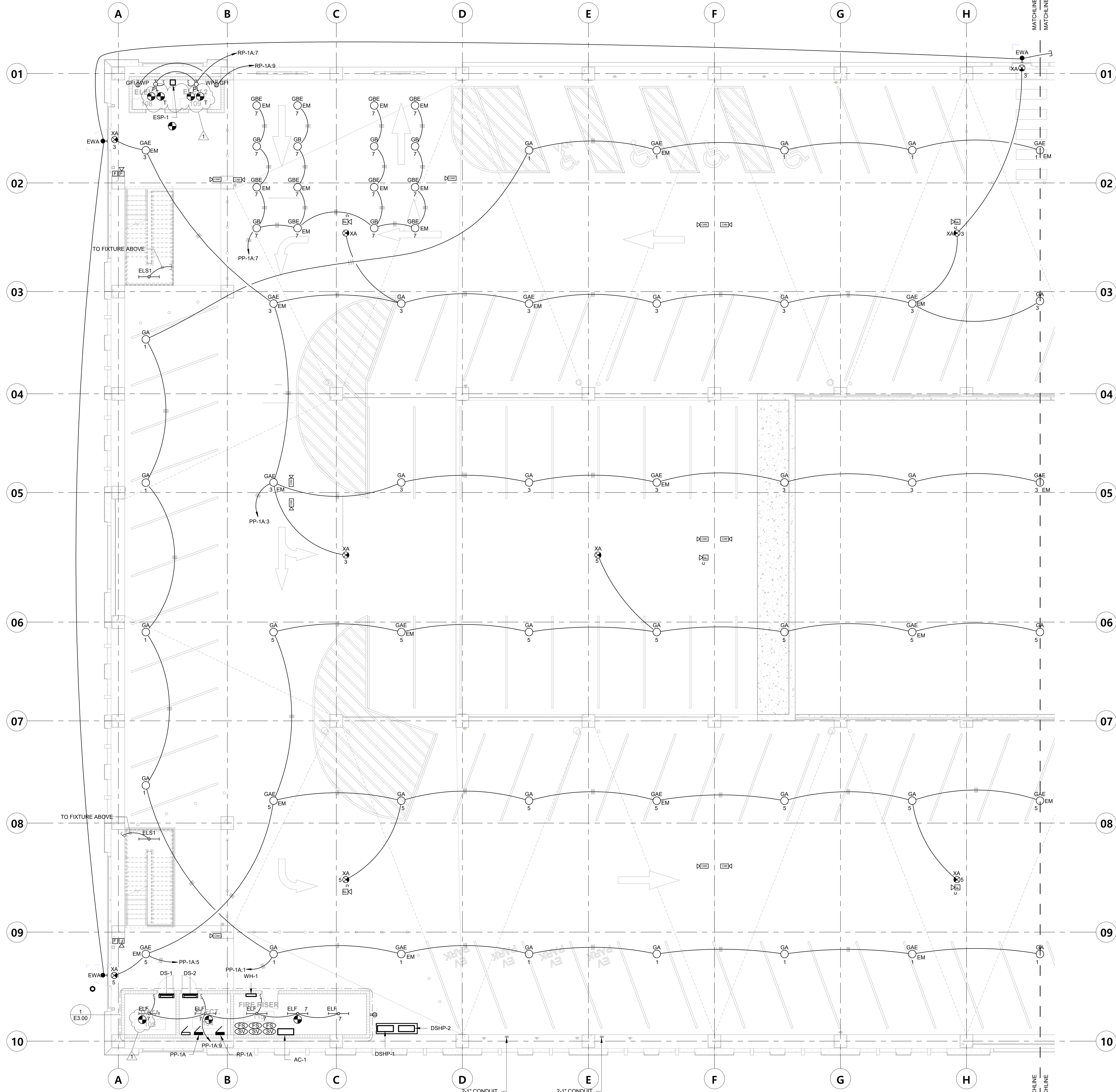
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 BIRMINGHAM, ALABAMA 35233
 (P) 205 982-0900
 (F) 205 982-9911
 E-MAIL: LIZ@HYDE-EGR.COM

ENGINEER: LIZ HYDE PROJECT # 23047.0

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- NOTES:
- SEE SHEET E0.10 FOR EQUIPMENT SCHEDULE.
 - ALL LIGHTING SHALL BE ROUTED THROUGH LIGHTING CONTROL PANEL. SEE DETAILS ON E0.06.
 - PROVIDE UNSWITCHED POWER FOR ALL EM FIXTURES.
 - EXIT SIGNS SHALL BE PLACED SO THAT THEY ARE VISIBLE TO OCCUPANTS. ADJUST LOCATIONS AS REQUIRED AND INCLUDE FOUR (4) ADDITIONAL EXIT SIGNS WITH 50' OF BRANCH CIRCUITING PER LEVEL IN THE BID.
 - FOR EV CHARGER. CONTRACTOR TO PROVIDE ROUGH-IN FROM PANEL TO CHARGER LOCATION. ALABAMA POWER TO WIRE AND INSTALL CHARGER. COORDINATE FINAL LOCATION OF ROUGH-IN AND REQUIREMENTS PRIOR TO INSTALLATION.
 - CONFIRM CAMERA LOCATIONS WITH THE CITY OF MOBILE MENDOR PRIOR TO ROUGH-IN.

LEVEL 1 - PART A - ELECTRICAL

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

2-1" CONDUIT TO RP-1A SEE NOTE 5.

2-1" CONDUIT TO RP-1A SEE NOTE 5.

HYDE ENGINEERING
 3120 8TH AVENUE SOUTH
 BIRMINGHAM, ALABAMA 35233
 (P) 205 982-0900
 (F) 205 982-9911
 E-MAIL: LIZ@HYDE-EGR.COM

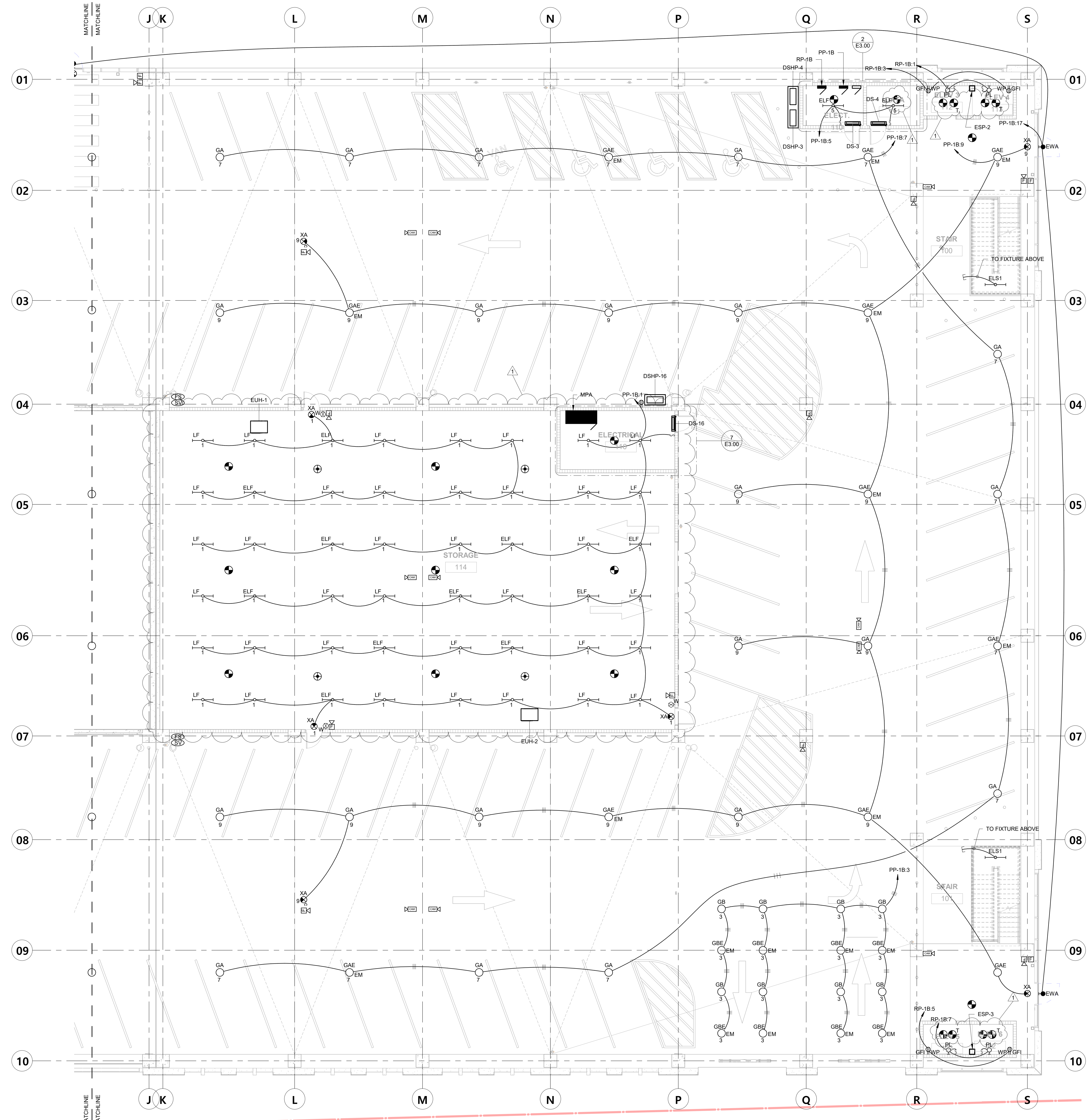
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LEVEL 1 - PART B - ELECTRICAL
 SCALE: 1/8" = 1'-0"

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 BIRMINGHAM, ALABAMA 35233
 (P) 205 982-0900
 (F) 205 982-9911
 E-MAIL: LIZ@HYDE-EGR.COM

ENGINEER:
LIZ HYDE

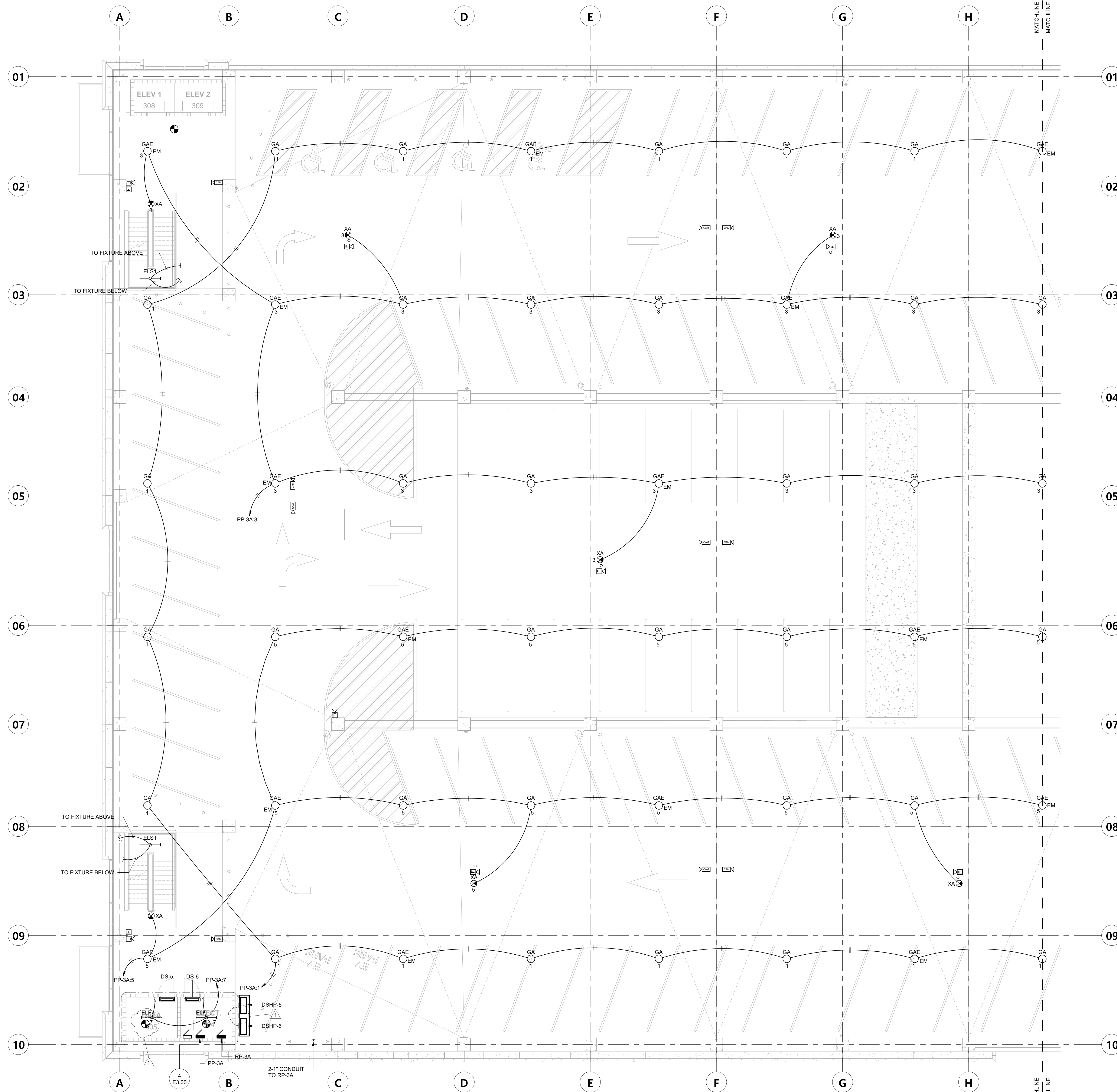
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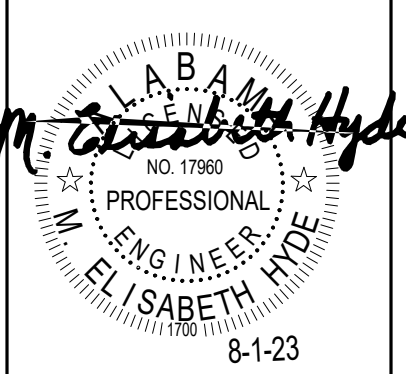


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LEVEL 3 - PART A - ELECTRICAL

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

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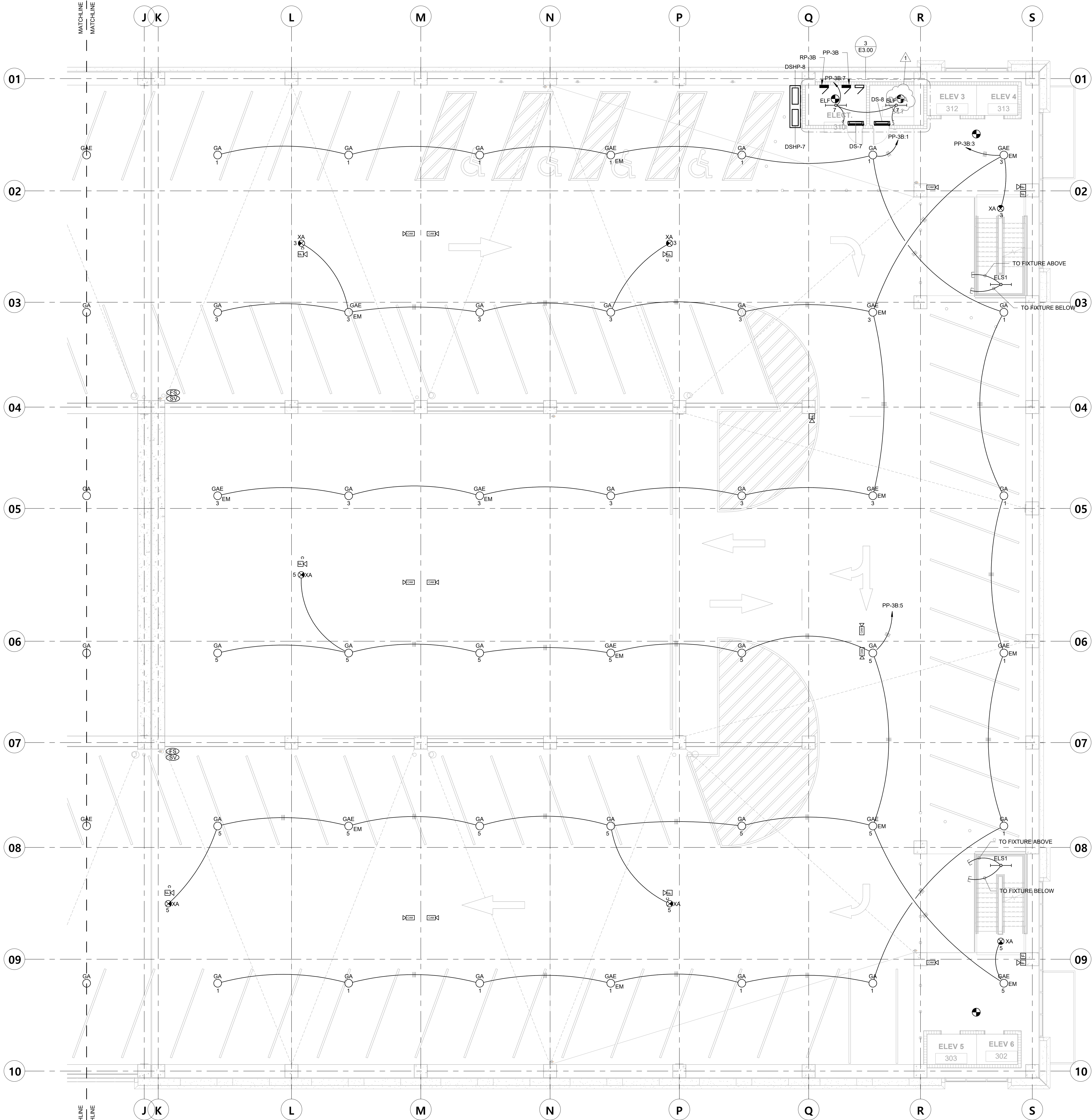


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LEVEL 3 - PART B - ELECTRICAL

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

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 3120 8TH AVENUE SOUTH
 BIRMINGHAM, ALABAMA 35233
 (P) 205 982-0900
 (F) 205 982-9911
 E-MAIL: LIZ@HYDE-EGR.COM

ENGINEER:
LIZ HYDE

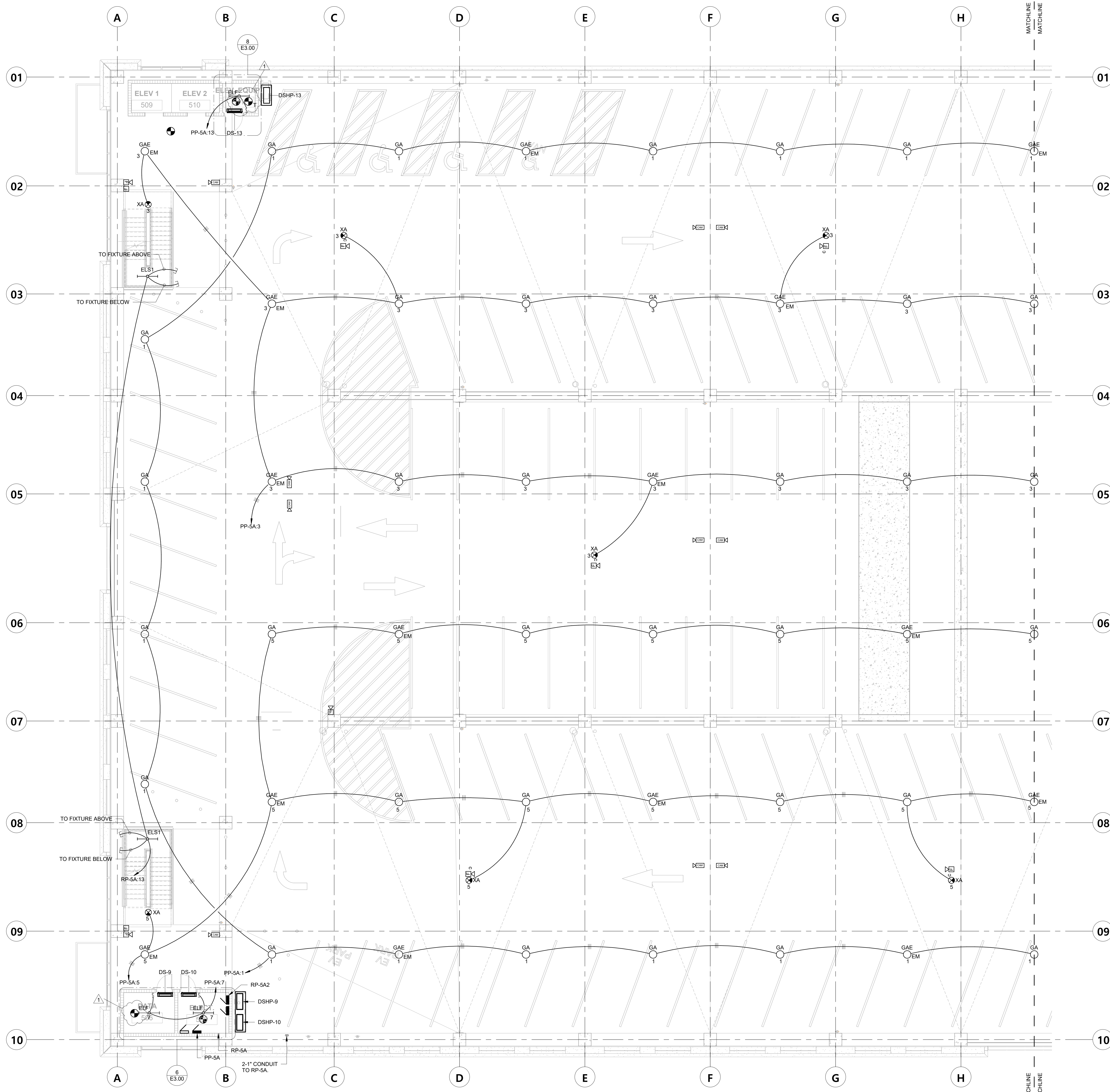
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LEVEL 5 - PART A - ELECTRICAL
 SCALE: 1/8" = 1'-0"

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 BIRMINGHAM, ALABAMA 35233
 (P) 205 982-0900
 (F) 205 982-9911
 E-MAIL: LIZ@HYDE-EGR.COM

ENGINEER:
LIZ HYDE

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Construction Documents

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ELIZABETH M. HYDE
 PROFESSIONAL ENGINEER
 STATE OF ALABAMA
 NO. 17960
 8-1-23

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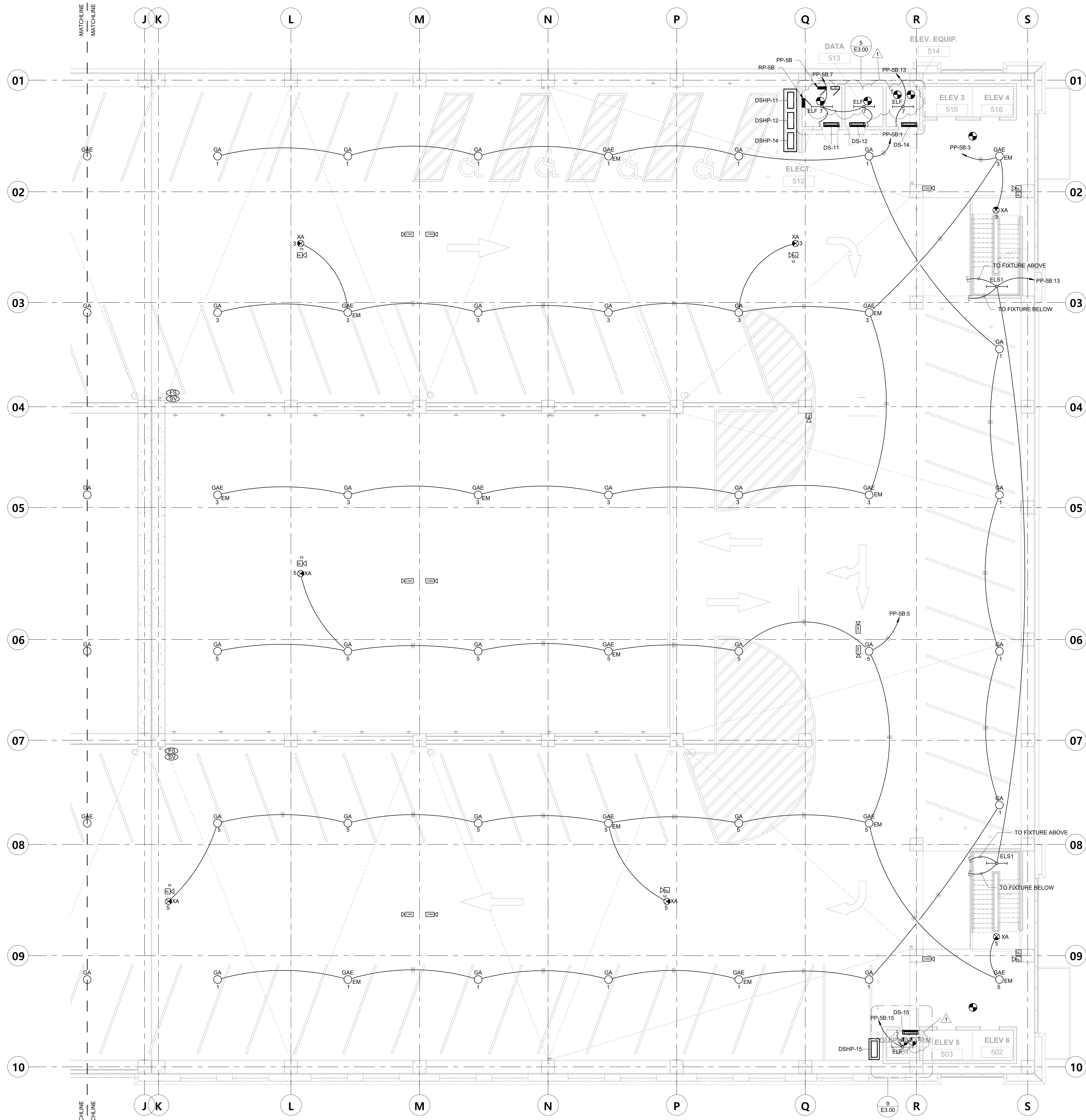
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LEVEL 5 - PART B - ELECTRICAL

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

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 (F) 205 982-9911
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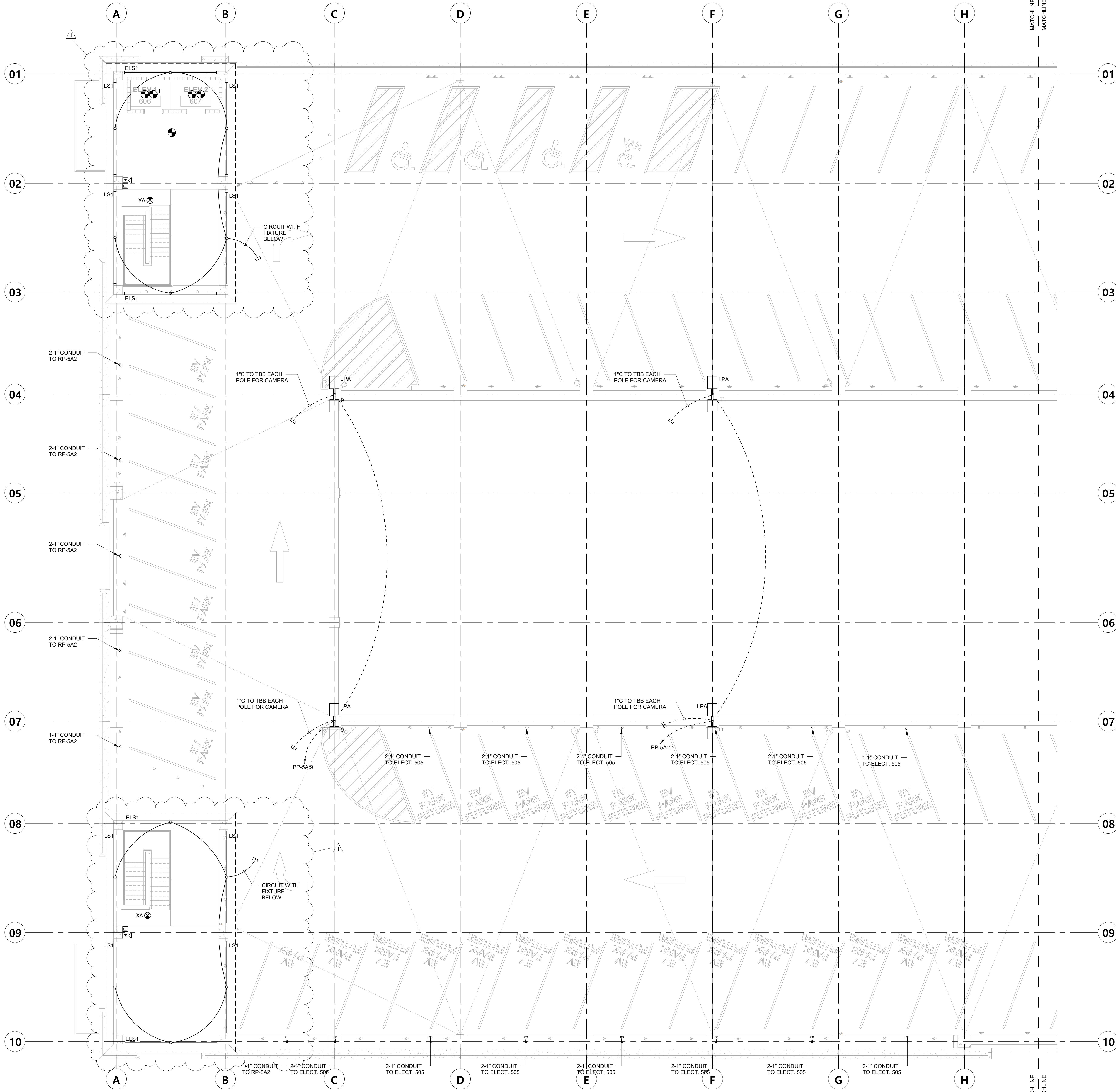
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LEVEL 6 - PART A - ELECTRICAL
 SCALE: 1/8" = 1'-0"

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 (F) 205 982-9911
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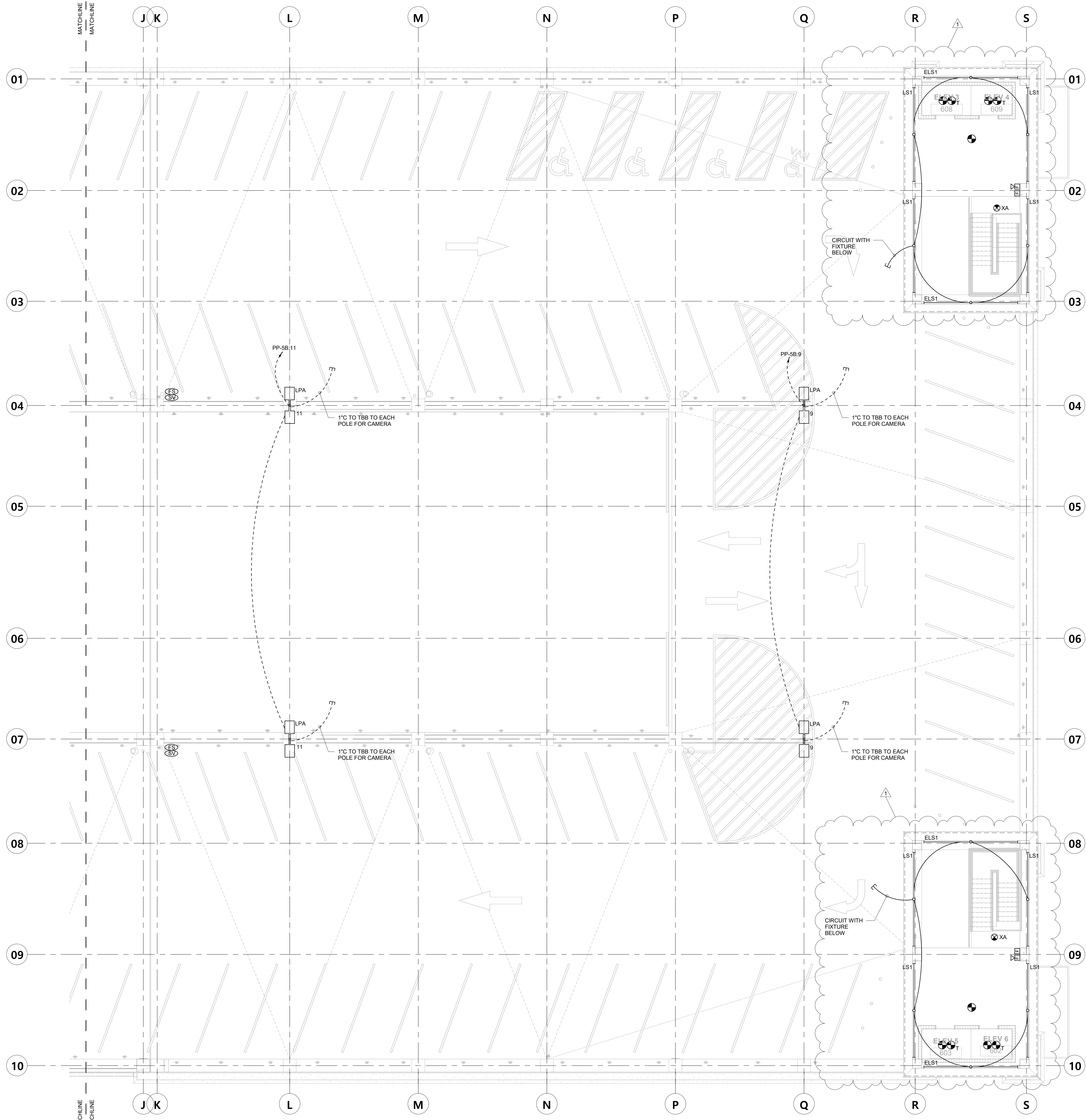
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LEVEL 6 - PART B - ELECTRICAL

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

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 3120 8TH AVENUE SOUTH
 BIRMINGHAM, ALABAMA 35233
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 (F) 205 982-9911
 E-MAIL: LIZ@HYDE-EGR.COM

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LIZ HYDE

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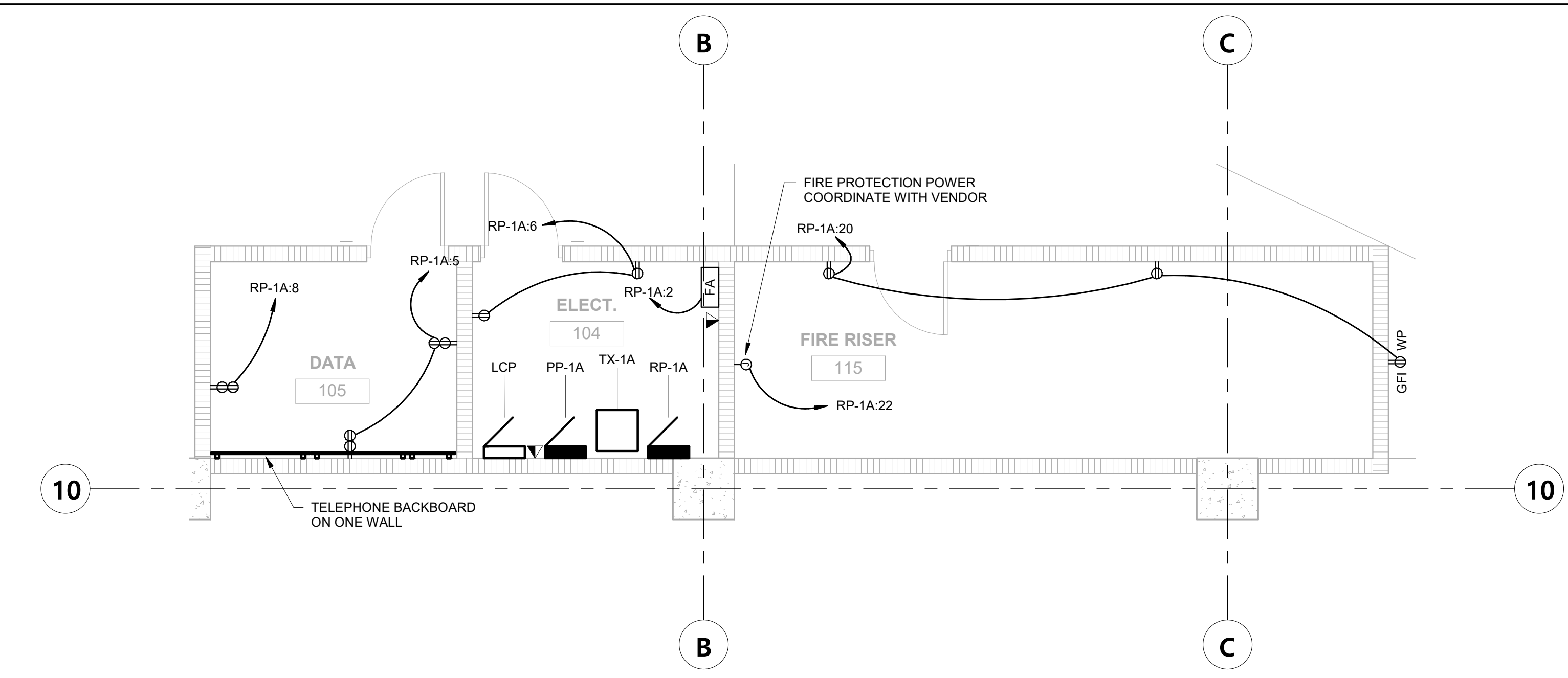
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job no.	4308
des. by	LCZ
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E-MAIL: LIZ@HYDE-EGR.COM

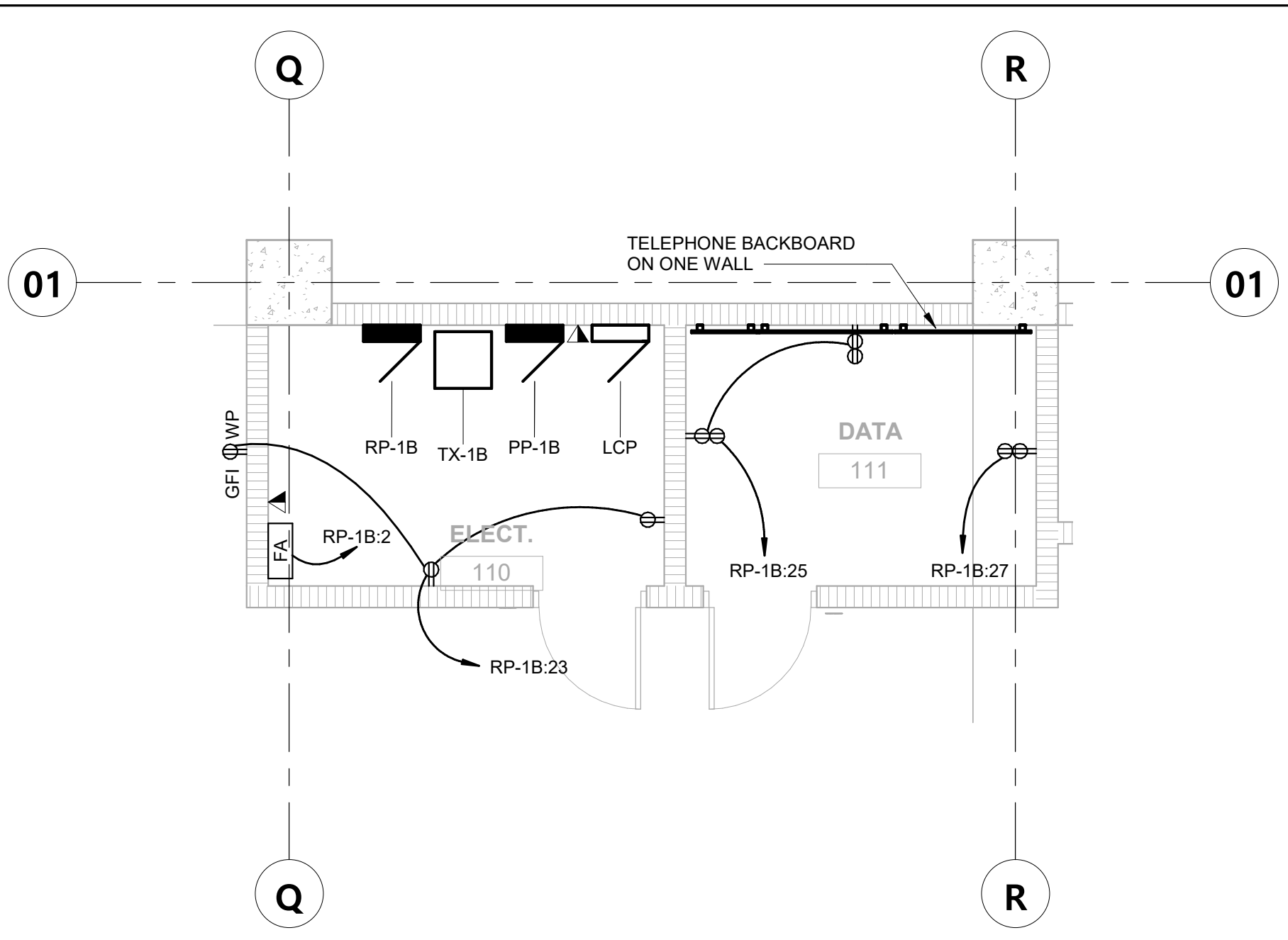
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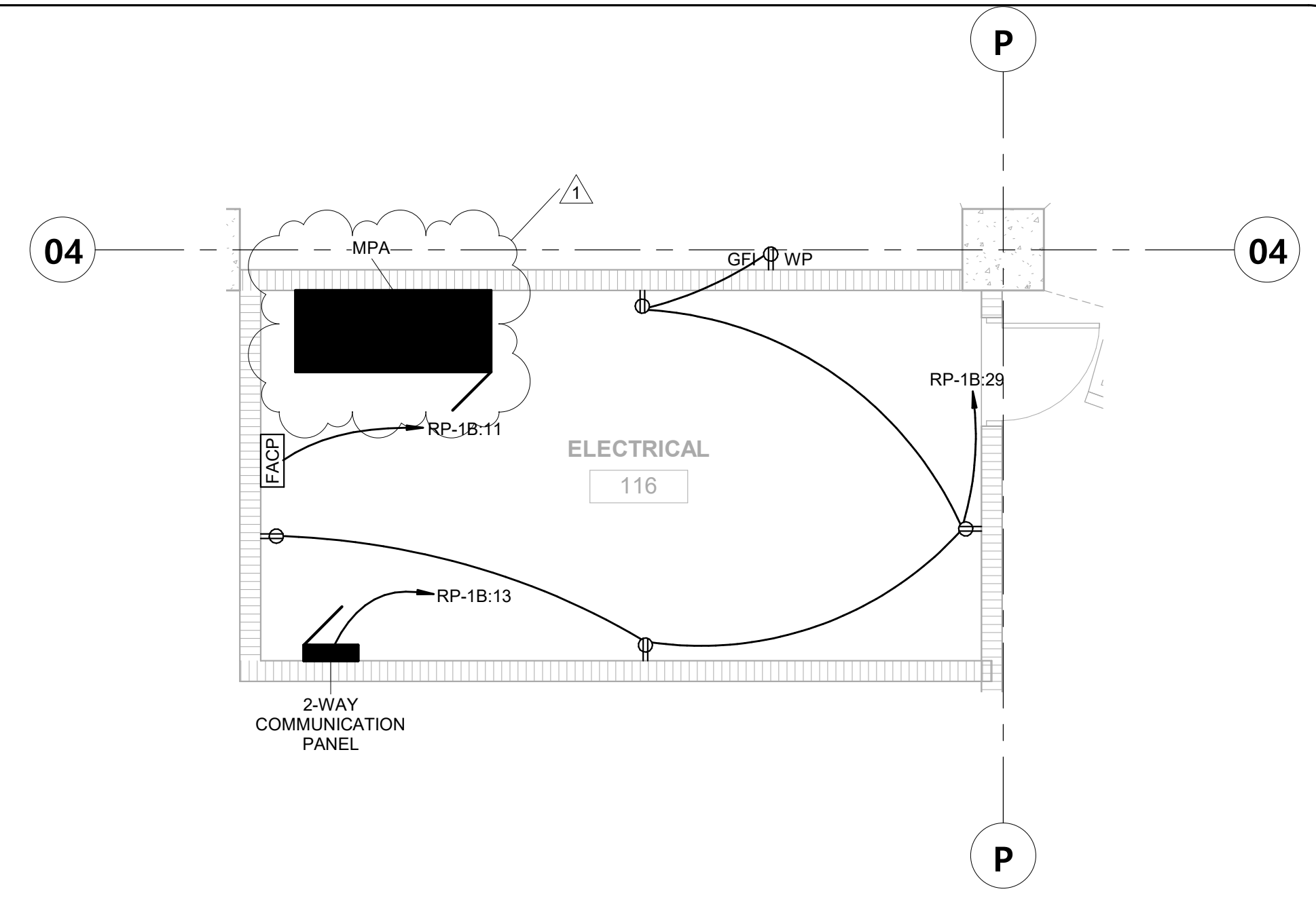
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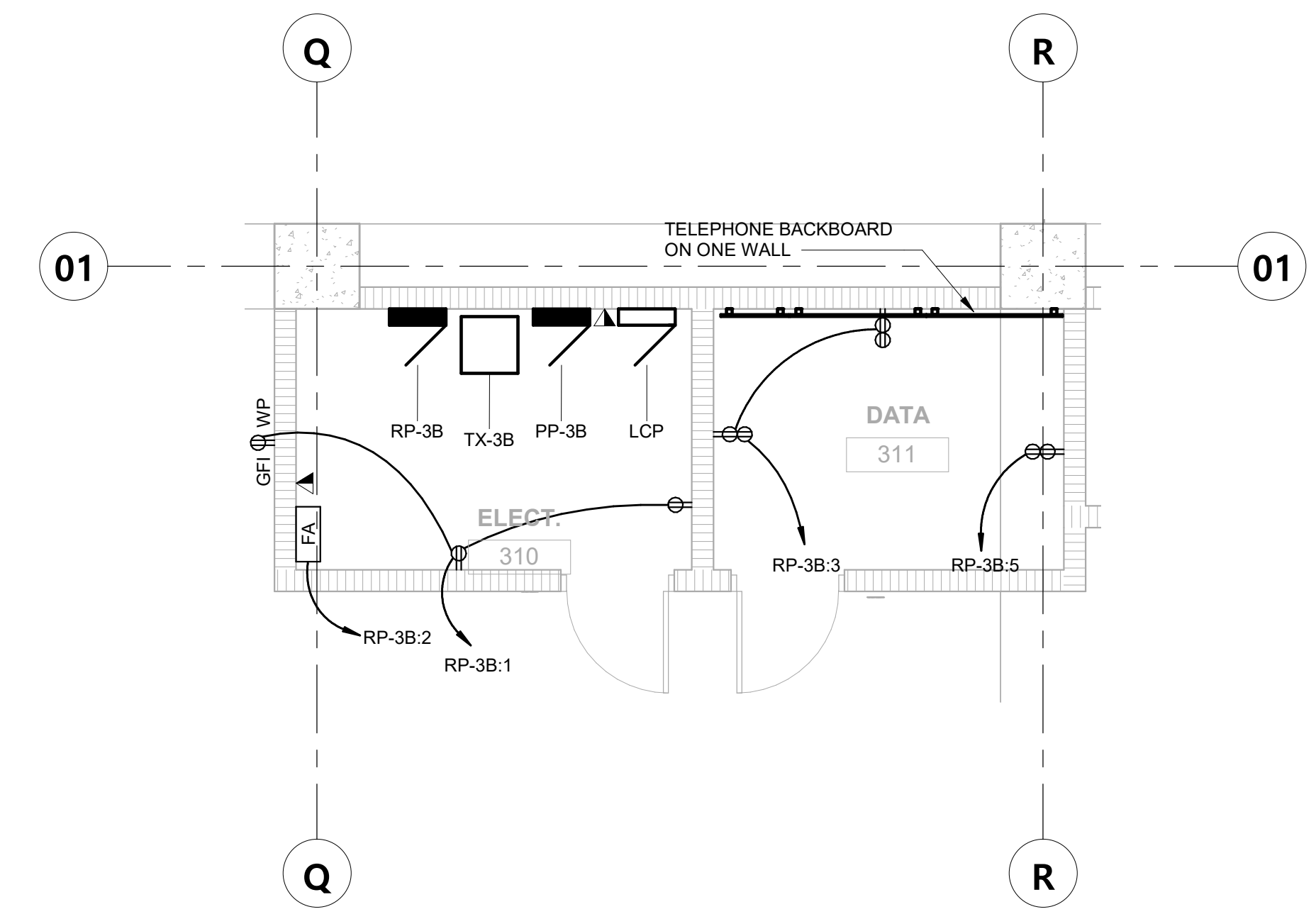
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1/4" = 1'-0"



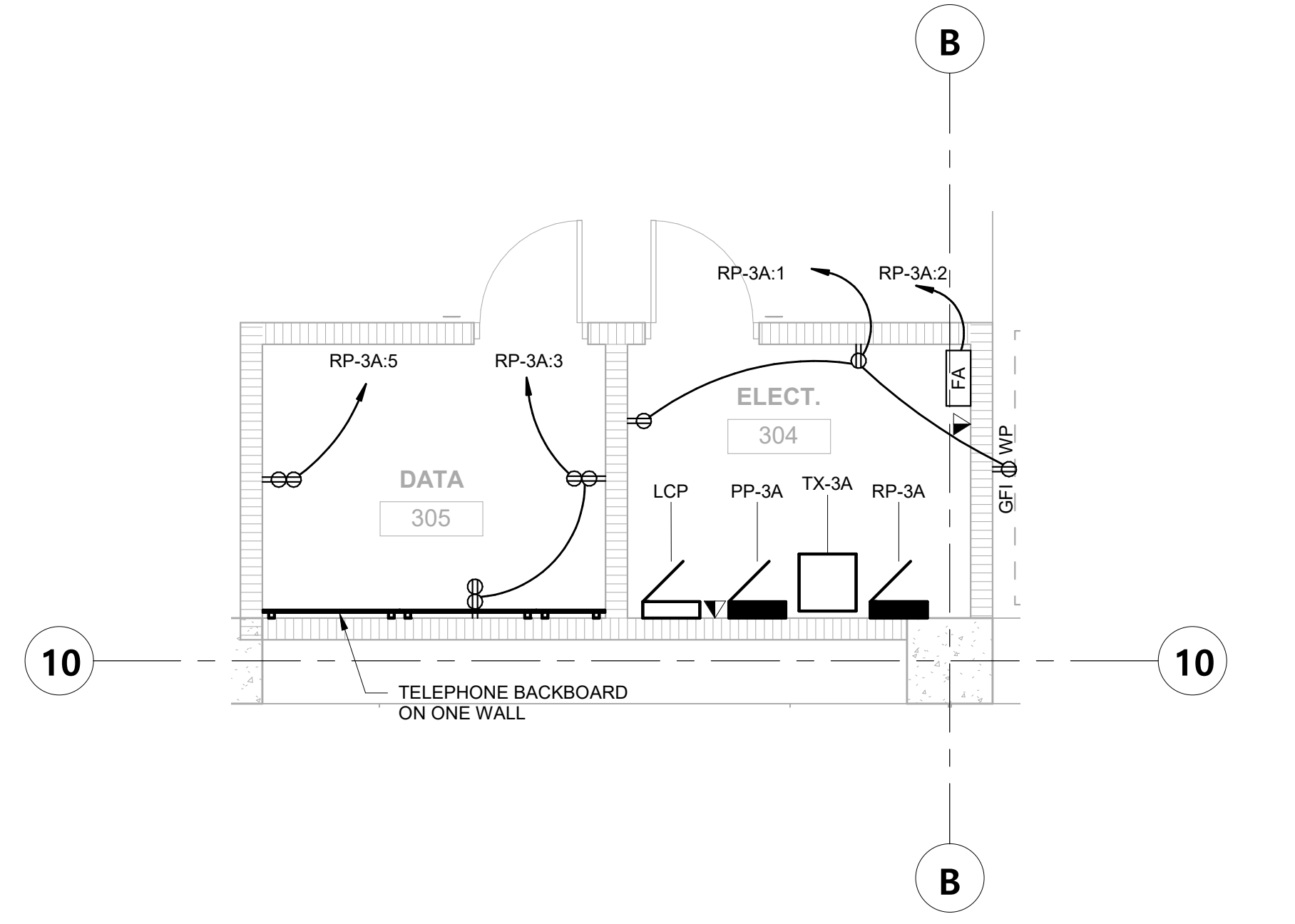
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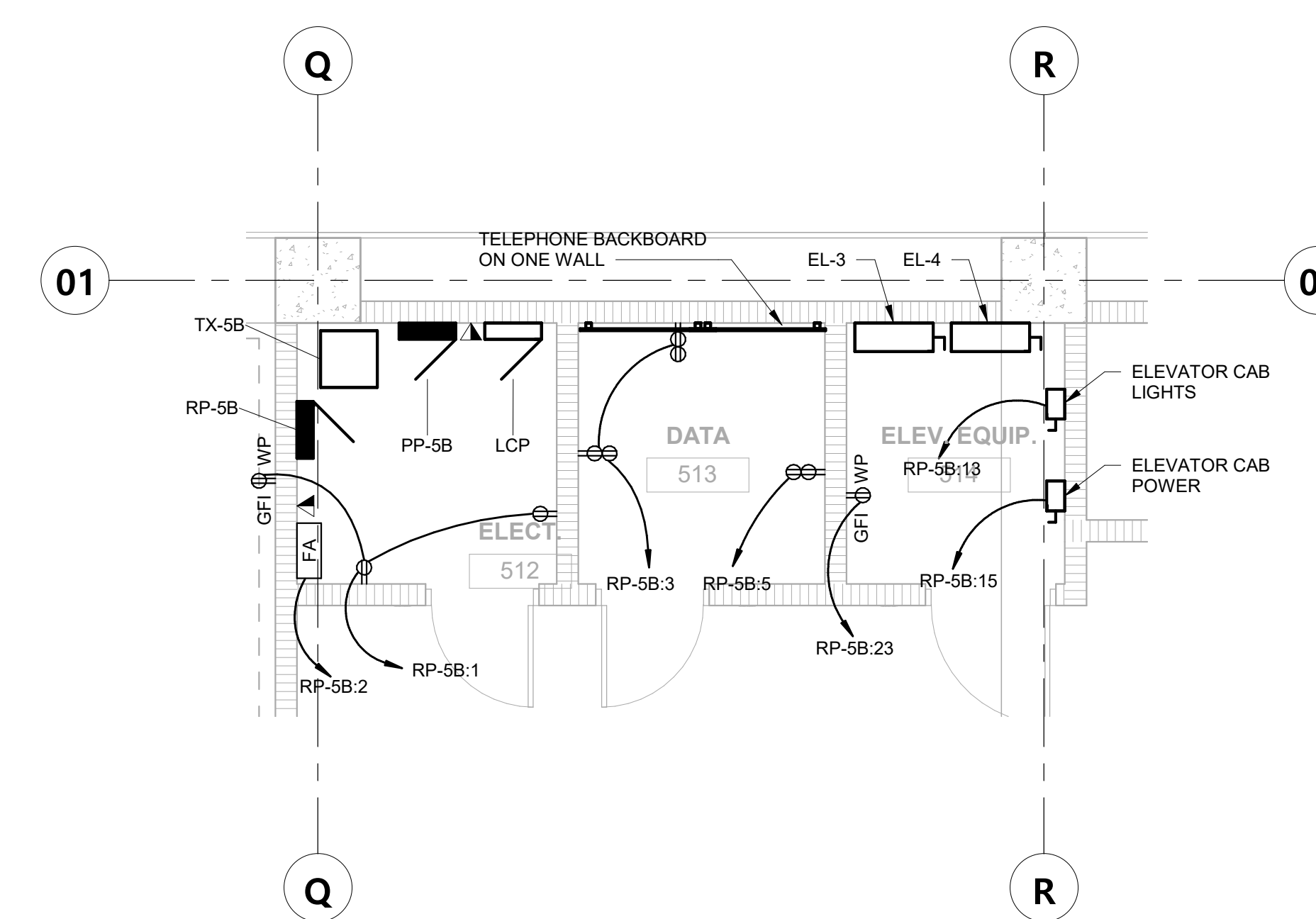
7 LEVEL 1 - ELECTRICAL 116 - ELECTRICAL
1/4" = 1'-0"



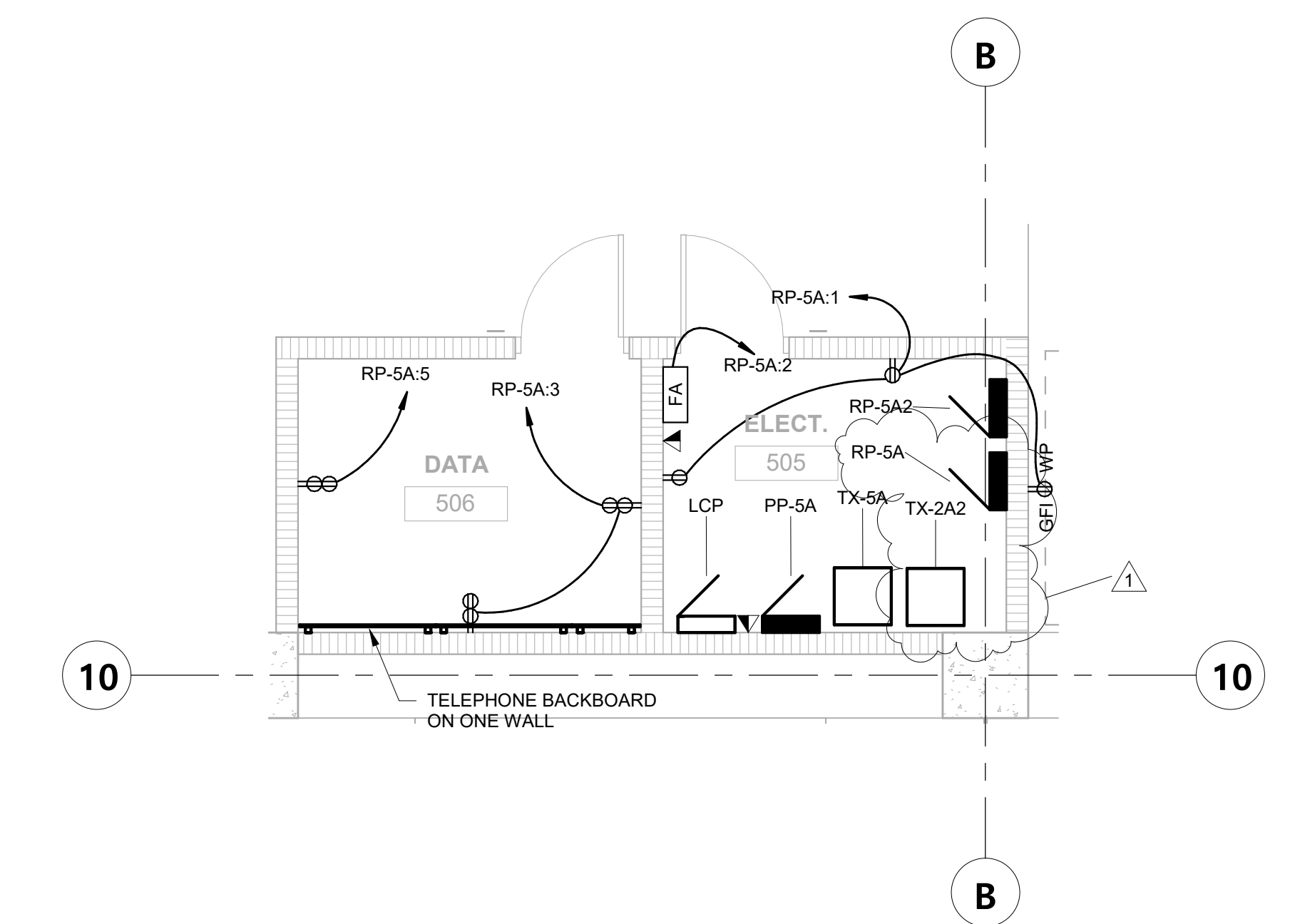
3 LEVEL 3 - DATA 311 & ELECT 310 - ELECTRICAL
1/4" = 1'-0"



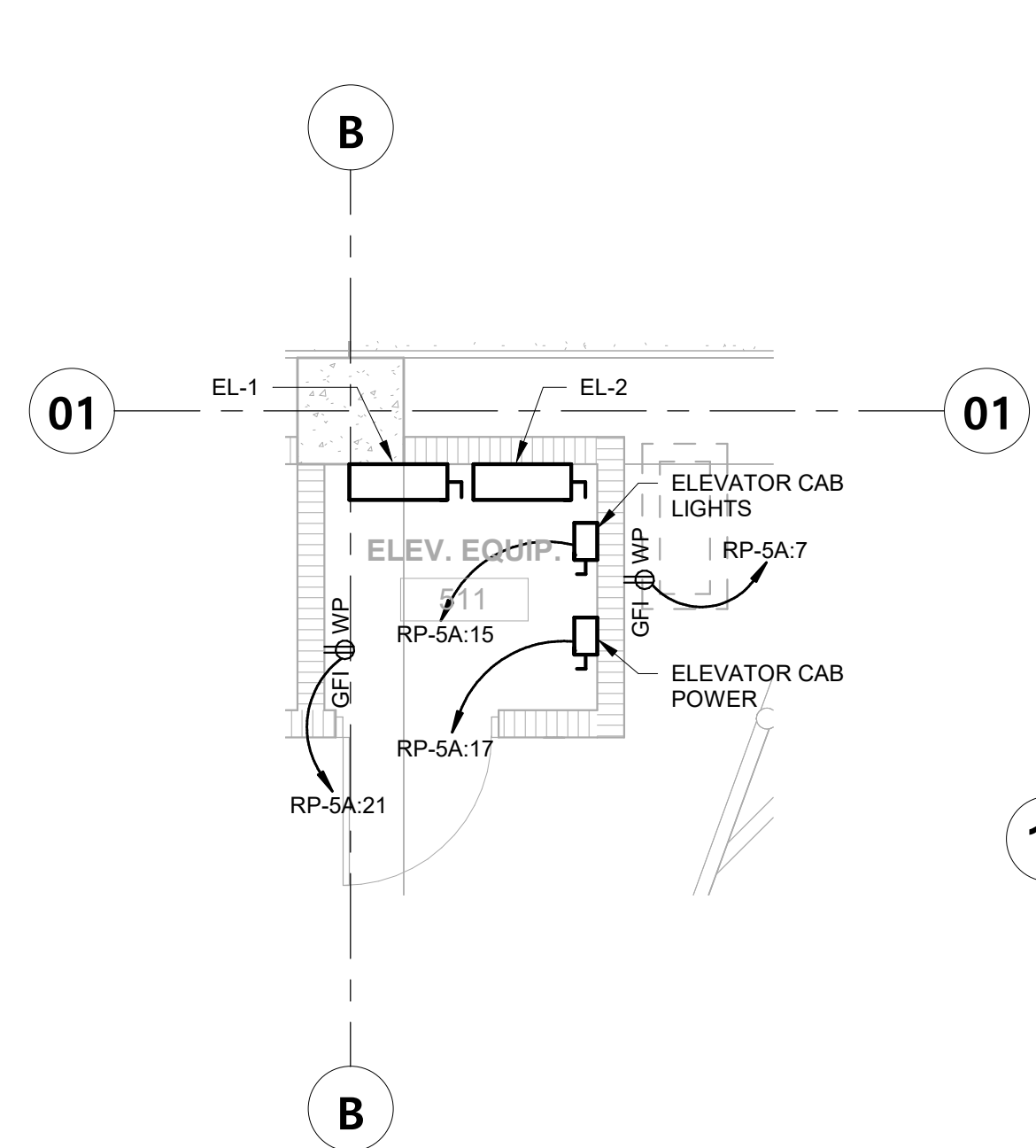
4 LEVEL 3 - DATA 305 & ELECT 304 - ELECTRICAL
1/4" = 1'-0"



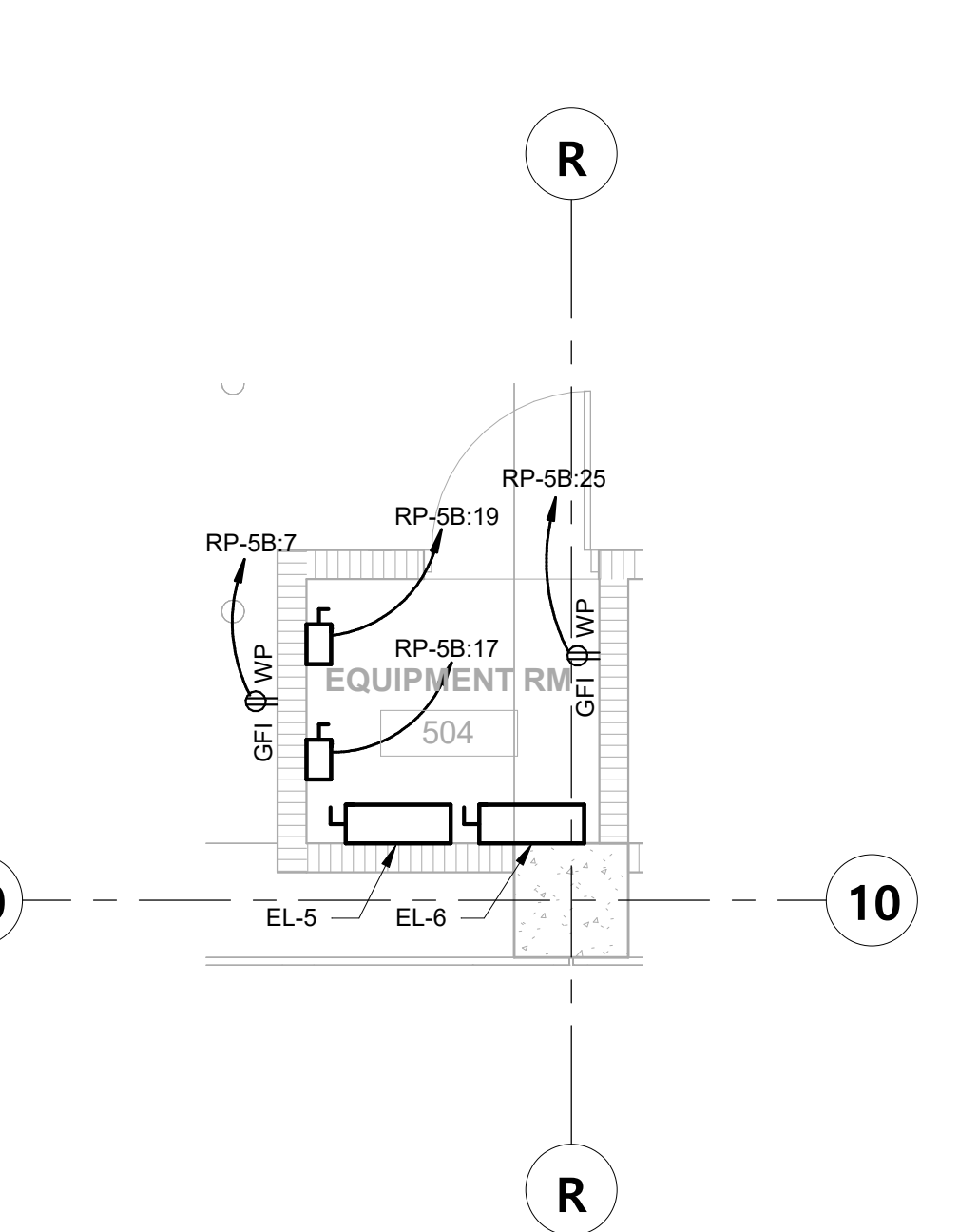
5 LEVEL 5 - DATA 513 & ELECT 512 - ELECTRICAL
1/4" = 1'-0"



6 LEVEL 5 - DATA 506 & ELECT 505 - ELECTRICAL
1/4" = 1'-0"



8 LEVEL 5 - ELEV. EQUIP 511 - ELECTRICAL
1/4" = 1'-0"



9 LEVEL 5 - EQUIPMENT RM 504 - ELECTRICAL
1/4" = 1'-0"