

ADDENDUM NO. 2

DATE OF ISSUANCE:	April 22, 2024
PROJECT:	2024 Addition and Renovations North Harrison Elementary School 1115 W. Whiskey Run Road Ramsey, IN 47166
OWNER:	North Harrison Community Schools
ARCHITECT'S PROJECT NO.:	23-228.001
ORIGINAL BID ISSUE DATE:	April 03, 2024

SCOPE OF WORK

This Addendum includes changes to, or clarifications of, the original Bidding Documents and any previously issued addenda, and shall be included in the Bid. All of these Addendum items form a part of the Contract Documents. The Bidder shall acknowledge receipt of this Addendum in the appropriate space provided on the Bid Form. Failure to do so may result in disqualification of the Bid.

DOCUMENTS INCLUDED IN THIS ADDENDUM

This Addendum includes **(8)** pages of text and the following documents:

- Specification Sections: **00 42 01, 01 21 13**
- Drawings: **AD-2a, S101, S201, A001, A101, A702, A801, A802, P400, E300A, E300B, E300C, E400A, E400B, E400C, E600, E601, UE100**

GENERAL ITEMS

ADD-2 Item No. G-1 - Pre-Bid Meeting

A Pre-Bid Meeting was held on April 16th. A list of those in attendance and a meeting agenda (with notes) have been included.

CHANGES TO SPECIFICATIONS

ADD-2 Item No. S-1 - Proposal Form

Refer to Specification Section: 00 42 01 – Proposal Form: Part 1

Replace with attached revised Proposal Form in its entirety; form revised to add Alternate No. 3.

ADD-2 Item No. S-2 - Construction Scheduling and Phasing

Refer to Specification Section: 01 11 00 – Summary of Work-Single Contract

1.08, Clarifications to Construction Scheduling and Phasing:

- All references to Classroom A1 shall be changed to Classroom A11.
- Phase 1A: Owner will vacate the following rooms by May 3rd to allow demolition work to begin: Classroom A11, Counselor, Leveled Library, and Teacher Prep.
- Phase 1A: Owner will vacate the cafeteria for the summer by May 23rd.
- Phase 1A: Owner will hold summer school for a small number of students from May 28th-June 7th. Students will generally be in areas of the building remote from construction activities, however, public access to the building will need to be coordinated with the Owner during this period.
- Phase 1A: Office staff will be out of the building after June 7th.

ADD-2 Item No. S-3 - Cash Allowance

Refer to Specification Section: 01 21 13 – Cash Allowances

Add attached Section in its entirety; includes an allowance for face brick masonry.

ADD-2 Item No. S-4 - Alternate No. 3

Refer to Specification Section: 01 23 00 – Alternates

Add 1.04 C, as follows:

C. ALTERNATE NO. 3: CAFETERIA LIGHTING

1. Give the amount to be **DEDUCTED** from the Base Bid for the following:
 - a. Deduct ring pendant light fixtures Type 'C' in Cafeteria 133 as shown on Partial First Floor Plan – Lighting - Area B on Drawing E300B.
 - b. Provide and install linear light fixtures Type 'C1' arranged in a square pendant configuration in Cafeteria 133 as shown on Partial First Floor Plan – Lighting – Alternate No. 3 on Drawing E300B.
 - c. Provide all lighting controls and wiring as required for complete installation of fixtures Type 'C1'.
2. Base Bid to include:
 - a. Provide and install 60” diameter ring pendant light fixtures Type 'C' in Cafeteria 133 as shown on Partial First Floor Plan – Lighting - Area B on Drawing E300B.
 - b. Provide all lighting controls and wiring as required for complete installation of fixtures Type 'C'.
 - c. Do not include any costs for the linear light fixtures Type 'C1' in Cafeteria 133 as shown on Partial First Floor Plan – Lighting – Alternate No. 3 on Drawing E300B.

ADD-2 Item No. S-5 - Existing Kitchen Equipment Storage

Refer to Specification Section: 01 53 00 – Temporary Construction

Add 2.01, B.4, as follows:

4. Contractor to provide a storage container for the duration of the project to secure Owner's existing kitchen equipment to be re-installed in the new kitchen. See attached Drawing AD-2A for tentative location and additional requirements.

ADD-2 Item No. S-6 - Brick Allowance

Refer to Specification Section: 04 21 13 – Face Brick Masonry

Add the following 1.01, B:

- B. Refer to Section 01 21 13 - Cash Allowances for brick allowance.

CHANGES TO DRAWINGS

ADD-2 Item No. D-1 - Foundation Plan

Refer to Sheet(s): **S101**

Replace with attached revised Drawing in its entirety; revisions have been clouded for reference.

ADD-2 Item No. D-2 - Foundation Details

Refer to Sheet(s): **S201**

Replace with attached revised Drawing in its entirety; revisions have been clouded for reference.

ADD-2 Item No. D-3 - Architectural Demolition Plan

Refer to Sheet(s): **A001**

Replace with attached revised Drawing in its entirety; revisions have been clouded for reference.

ADD-2 Item No. D-4 - Architectural Floor Plan

Refer to Sheet(s): **A101**

Replace with attached revised Drawing in its entirety; revisions have been clouded for reference.

ADD-2 Item No. D-5 - Structural Lintels

Refer to Sheet(s): **A702**

Replace with attached revised Drawing in its entirety; revisions have been clouded for reference. Details added for lintels at openings through existing walls.

ADD-2 Item No. D-6 - Door Head Details

Refer to Sheet(s): **A801**

Replace with attached revised Drawing in its entirety; revisions have been clouded for reference.

ADD-2 Item No. D-7 - Access Control Riser Diagrams and A.S.F. Details

Refer to Sheet(s): **A802**

Replace with attached revised Drawing in its entirety; revisions have been clouded for reference.

ADD-2 Item No. D-8 - Food Service Demolition Plan

Refer to Sheet(s): **K001**

Keynote K22: Add the following: Remove [2] existing faucets, spray hose assembly, garbage disposal and control panel. Prepare for installation of new faucets, spray hose assembly, garbage disposal and control panel.

ADD-2 Item No. D-9 - Kitchen Equipment Schedule

Refer to Sheet(s): **K102**

Item No. 13 [Refrigerator, 1-Section, Roll-in], Reduce quantity to [1].

Item No. 15 [3-compartment sink – Existing],

Add Item No. 43 [Garbage Disposal & Control Panel] to pre-rinse sink.

Add Item No. 42 [Spray Hose Assembly] to pre-rinse sink.

Item No. 16 [Combi Oven – Existing], Delete ¾" hot water supply

Item No. 16A [Combi Oven], Delete ¾" hot water supply.

Item No. 17 [Tilting Skillet – Existing], Delete reference to "FS" for indirect waste.

Item No. 18 [Tilting Skillet], Add General Note: P.C. to extend IW to FFD.

Item No. 41 [Salad Bar Unit – Existing], Delete reference to "FD"; no floor drain is required.

Item No. 42 [Spray Hose Assembly], Increase quantity to 3.

Item No. 43 [Garbage Disposal & Control Panel], Increase quantity to 6.

Item No. 47 [Pre-Rinse Hose Reel Assembly], Reduce quantity to [1].

ADD-2 Item No. D-10 - Walk-in Cooler/ Freezer

Refer to Sheet(s): **K303**

Revise locations of condensate drain lines. Drain lines will be routed within building at Northeast corner outside Dry Storage room. Combine Cooler and Freezer condensate lines and route down to floor drain. Bumper rails to stop short of corner to allow condensate piping to bypass. No sleeves through exterior wall required. See Plumbing Drawings for floor drain location.

ADD-2 Item No. D-11 - Mechanical Floor Plan – Renovation & Mechanical Schedules

Refer to Sheet(s): **M300 & M500**

Eliminate the electric heater EH-1. An air-door is being provided with the kitchen equipment plans.

ADD-2 Item No. D-12 - Mechanical Floor Plan – Renovation

Refer to Sheet(s): **M300**

In Storage 118 and 119 increase the supply airflow to 75 CFM and add and return grille (R-6A) in each room. Add a transfer opening [tag 2] above the ceiling.

ADD-2 Item No. D-13 - Plumbing Floor Plans

Refer to Sheet(s): **P300 and P301**

1. The plumbing contractor is to reference the kitchen equipment floor plans and schedules for all plumbing requirements. They are to provide plumbing to equipment as required even if not indicated on the plumbing plans.
2. The 1" hot and cold-water lines to the equipment under the hood is to be routed undergrade from the adjacent full height wall next to K-7. The piping is to be routed in 2" PVC piping and using PEX piping undergrade. Transition to copper piping above grade.
3. Provide ball valves at all domestic water takeoffs from the mains.
4. All piping is to be routed down in new walls and offset within the walls, or under counter, to the equipment. Connect to the equipment as required by the kitchen equipment plans.
5. Refer to the kitchen equipment plans for exact equipment numbering. The following items are mis-identified on the plumbing plans but double check against the equipment numbering.
 - a. K-41 is to be K-44.
 - b. K-32 is to be K-49.
 - c. K-33 is to be K-43A.
6. For kitchen equipment Item 43 and 41A provide a water connection and direct drain per the equipment schedule. Confirm locations with the drawings.
7. In utility 135 there is existing hot and cold water piping close to the electrical panels. This piping is to be offset as required to avoid being directly above the electrical panels. Field verify exact extent of work.
8. All new vents shall be routed through the new roof. No penetrations are to be made in the existing roof.
9. Coordinate all requirements for installing the new gas meter with the local utility.

10. Provide a hard sanitary pipe connection for K-33 as required. Route a ½" domestic cold-water connection to the equipment.

ADD-2 Item No. D-14 - Plumbing Riser Diagrams

Refer to Sheet(s): **P400**

The sheet is to be included in the set for the riser diagrams.

ADD-2 Item No. D-15 - Exterior Lighting Controls

Refer to Sheet(s): **E300A**

Circuit exterior lighting fixture "W" to fixture "EB" in Receiving 142. New exterior lighting fixture shall be controlled by existing exterior lighting controls through existing exterior light fixture indicated on plans.

ADD-2 Item No. D-16 - Temporary Lighting for Cafeteria 133 and Lobby 128

Refer to Sheet(s): **E300B**

Provide (5) #CSS-L96-8000LM-MVOLT-40K-80CRI fixtures or equal for temporary lighting at area of removed ceiling until completion of permanent lighting. Field coordinate exact mounting location.

ADD-2 Item No. D-17 - Cafeteria 133 and Lobby 128 Lighting Conduit

Refer to Sheet(s): **E300B**

New lighting fixture "C" in Cafeteria 133 and Lobby 128 to have conduit routed between joists and painted to match the structure.

ADD-2 Item No. D-18 - Cafeteria 133 and Lobby 128 Lighting Layout and Alternate Layout

Refer to Sheet(s): **E300B**

- Refer to sheet for new lighting layout with 60"D ring fixtures instead of 72"D ring fixtures.
- Refer to lighting alternate layout [Alternate #3] using linear fixtures on the sheet indicated.

ADD-2 Item No. D-19 - Clinic Restroom Lighting

Refer to Sheet(s): **E300C**

Updated 2x2 fixture in Clinic RR 122 to be "B1", not "A1".

ADD-2 Item No. D-20 - Updated Kitchen Items

Refer to Sheet(s): **E400A**

- Removed "EH-1" and replaced with 120V connection for fly fan [equipment #48].
- Added (3) kitchen fan circuits along Kitchen 137 east and west walls and Dishwash 136 south wall.
- Added ceiling speaker in Receiving 142.
- Added tagnote 32 for toggle switch on potato peeler.
- Replaced disconnects serving kitchen equipment under kitchen hood with direct connections.

- Disconnect serving kitchen equipment 36 updated to be a 60A disconnect.
- Removed floor box underneath island holding heat sealer.
- Updated labeling scheme for electrical kitchen equipment schedule to match architectural equipment schedule. Updated load information for items 39, 43, 43A, 46 and 48.
- Updated tagnote 26 to be Nema-3R instead of Nema-1 type.
- Updated disconnect tagnote for RTU-1 to be Nema-3R type.
- Added a 30A/240V/3P, NEMA-3R disconnect to the kitchen makeup air unit.
- Updated tagnote 9 to be a 400A/3p breaker instead of 300A/3P.

ADD-2 Item No. D-21 - Updated Cafeteria Items

Refer to Sheet(s): **E400B**

- Noted to provide scrub-proof lids for floor boxes serving cashier units.
- Added notes for temporary serving line services. See plan for further details.

ADD-2 Item No. D-22 - Updated Office Items

Refer to Sheet(s): **E400C**

- Added fire alarm horn and strobe devices to south wall in Work Area 116, north wall of Clinic 121, and north wall of Assistant 104.
- Added speaker with volume control in ceiling of Clinic 121 and Conference 108.
- Added motor switch to all AC units. See plan for locations.
- Added a weatherproof, GFI-type receptacle outside of north wall of Reception 103, circuited to existing panel "CH".
- Updated disconnect tagnote for HP-1 unit to be 60A disconnect with Nema-3R.

ADD-2 Item No. D-23 - Kitchen Hood Equipment Control Schematic Update

Refer to Sheet(s): **E600**

Updated kitchen hood control schematic to separate 208V connections from 480V connections into separate contactors.

ADD-2 Item No. D-24 - Panel Schedule Update for Panel "A"

Refer to Sheet(s): **E600**

Updated load information for panel "A". Panel "A" is now 400A MLO. See sheet for added circuits. GFI-type circuit breakers added where needed. Refer to sheet for items utilizing these breakers.

ADD-2 Item No. D-25 - Luminaire Schedule Updates

Refer to Sheet(s): **E601**

Added alternate #3 fixture, "C1", to luminaire schedule. Updated remarks for fixture type "C". Removed fixture type "H" from project. Updated load information for fixture "W".

ADD-2 Item No. D-26 - Fire Vault Receptacle

Refer to Sheet(s): **UE100**

Added weatherproof, GFI-type duplex receptacle to new fire vault location. Circuit to new panel "A".

ADD-2 Item No. D-27 - Access Controls Cabling

Refer to Sheet(s): **All Sheets**

All access control cabling shall be Belden 658AMJ composite cable or equal. Contact Logan McCarty with "1RTI" for full coordination (lmmccarty@1rti.com).

END OF ADDENDUM.

MEETING ATTENDANCE SIGN-IN SHEET

DATE: April 16, 2024
PROJECT: North Harrison Elementary - 2024 Addition and Renovations
PROJECT NO.: 23-228.001
MEETING PURPOSE: Pre-Bid Meeting

INITIALS	NAME	ORGANIZATION	PHONE NUMBER	EMAIL ADDRESS
	Heather Graninger	TowerPinkster	812.282.9554	heather.graninger@towerpinkster.com
	Amanda Hunsucker	TowerPinkster	812.282.9554	amanda.hunsucker@towerpinkster.com
	Benny Grimes	T&G Construction	812.279.4475	tg-phyllis@att.net
	Jason Newton	Temple & Temple	812.883.6644	jasonn@templeandtemple.com
	Neil Weyer	Weyer Electric	812.367.1650	neil@weyerelectric.com
	Nathan Freed	North Harrison Community Schools	812.347.2407	nfreed@nhcs.k12.in.us
	Andrew Smith	North Harrison Elementary	812.347.2419	asmith@nhcs.k12.in.us

Project: North Harrison ES – 2024 Addition and Renovations
Ramsey, Indiana

Project No.: 23-228.001

Subject: Pre-Bid Meeting

Date: April 16, 2024

Location: North Harrison ES
1115 W. Whiskey Run Rd. NW Ramsey, Indiana

Time: 4:00 p.m.

I. Project Description

II. Bidding Outline

1. Confirmation of Bid Date *(Revised via Addendum No. 1)* & Bid Procedures
 - A) Bid Date: **Monday, April 29, 2024, 1:00 PM** [EASTERN STANDARD TIME]
 - B) Bid Location:

North Harrison Community School Corporation
1260 Highway 64 NW Ramsey, IN 47166
(Bid Opening Location is different than Project Site)
 - C) Submittals with Bids must include [2] copies of the following items:
 - 1) Proposal Form 96
 - a. Acknowledge Addenda issued on Proposal Form
 - b. Acknowledge Contingency Allowance on Proposal Form
 - 2) Financial Statement
 - 3) Bid Bond
 - 4) State Certification
 - D) Schedule of Values and Subcontractor List is NOT required with bid
 - E) Wage Scale - **None Required**
2. Indiana Sales Tax Exemption *(Cannot guarantee other states)*.
3. Explanation of Alternate Bids *(Refer to Section 01 23 00 for full description)*.
 - A) Alternate No. 1: Acoustical Wall Panels
 - B) Alternate No. 2: Intercom System Modifications

III. Scheduling and Coordination

1. Working Conditions & Special Issues
 - A) Phase 1A: Summer Work [May-July 2024]
 - B) Phase 1B: New Main Office & Kitchen [August 2024-TBD]
 - C) Phase 2: Clinic/Office Renovation & Kitchen [Start @Completion of Phase 1B-TBD]

IV. Administrative Issues

1. Post-bid Schedule
 - A) Tentative Board Meeting to Award Contract: April 29, 2024.
 - B) Final Contract Execution and Notice to Proceed will be issued immediately following approval at the Board Meeting.

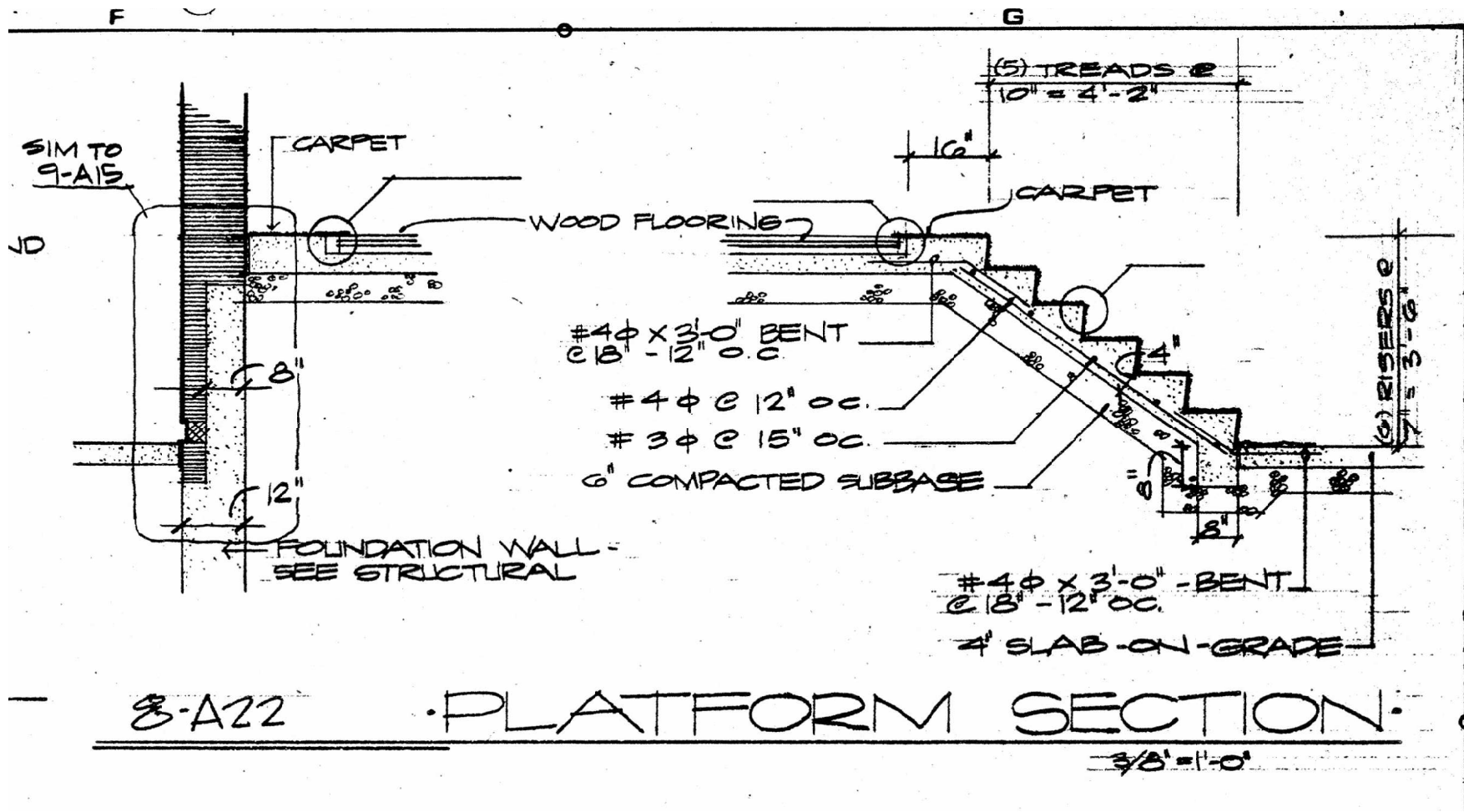
V. Technical Issues

1. Questions/ Discussion

A) Benny Grimes asked if details were available for the raised platform in the Cafeteria. Historic drawing details are attached for Contractor reference. Please note the Architect cannot ensure the accuracy of this information.

B) Contractors can contact Andrew Smith, Principal to coordinate access to the building after normal school hours. asmith@nhcs.k12.in.us 812.347.2419.

2. Existing Conditions Tour



NOTE:
 Detail provided from Fanning-Howey
 Associates, Inc. drawings dated April 21, 1980.

PROPOSAL FORM: PART I
Form 96 (Revised 2013)

CONTRACTOR'S BID FOR PUBLIC WORKS
Prescribed by the State Board of Accounts

CONTRACTORS BID FOR: *2024 ADDITION AND RENOVATIONS
NORTH HARRISON ELEMENTARY
1115 W. WHISKEY RUN RD. NW
RAMSEY, IN 47166*

PART I
(Part I to be completed for all bids)

Date (Month, Day, Year): _____

Governmental Unit (Owner): *NORTH HARRISON COMMUNITY SCHOOL CORPORATION*

County: _____

Bidder (Firm): _____

Address: _____

City, State, Zip: _____

Telephone No.: _____

Fax No.: _____

E-Mail Address: _____

Agent of Bidder:
(if applicable) _____

Pursuant to notices given, the undersigned offers to furnish labor and/or material necessary to complete the public works project of NORTH HARRISON COMMUNITY SCHOOL CORPORATION (Governmental Unit) in accordance with plans and specifications prepared by TowerPinkster and their consultants for the sum of:

BASE BID

Lump Sum _____ \$ _____

The undersigned further agrees to furnish a bond or certified check with this bid for an amount specified in the notice of the letting. If alternative bids apply, the undersigned submits a proposal for each in accordance with the notice.

ADDENDA

Acknowledges receipt of:

Addendum No. _____ () pages	Dated _____
Addendum No. _____ () pages	Dated _____
Addendum No. _____ () pages	Dated _____
Addendum No. _____ () pages	Dated _____

ALTERNATES

The undersigned also proposes to furnish or to omit all labor and materials necessary to complete work as required by the Alternate Bids, as provided in the specifications as follows:

Alternate No. 1:	<i>Acoustical Wall Panels</i>	\$ _____
Alternate No. 2:	<i>Intercom System Modifications</i>	\$ _____
Alternate No. 3:	<i>Cafeteria Lighting</i>	\$ _____

ALLOWANCES

By initialing adjacent to amounts below, bidder acknowledges allowance amounts are included in the forgoing bid:

Contingency Allowance within the **Base Bid** per Section 01 21 13 **\$ 325,000.00** initials _____

COMPLETION OF WORK

Undersigned guarantees, if awarded contract, to complete the Phase 1A and 1B work within _____ () calendar days.

Undersigned guarantees, if awarded contract, to complete the Phase 2 work within _____ () calendar days.

DISCRIMINATION

The Contractor and his subcontractors, if any, shall not discriminate against or intimidate any employee, or applicant for employment, to be employed in the performance of this contract, with respect to any matter directly or indirectly related to employment because of race, religion, color, sex, national origin or ancestry. Breach of this covenant may be regarded as a material breach of the Contract.

CERTIFICATION OF USE OF UNITED STATES STEEL PRODUCTS (if applicable)

I, the undersigned bidder or agent as a contractor on a public works project, understand my statutory obligation to use steel products made in the United States (I.C. 5-16-8-2). I hereby certify that I and all subcontractors employed by me for this project will use U.S. steel products on this project if awarded. I understand that violations hereunder may result in forfeiture of contractual payments.

NON-COLLUSION AFFIDAVIT

The undersigned bidder or agent, being duly sworn on oath, says that he has not, nor has any other member, representative, or agent of the firm, company, corporation or partnership represented by him, entered into any combination, collusion or agreement with any person relative to the price to be bid by anyone at such letting nor to prevent any person from bidding nor to induce anyone to refrain from bidding, and that this bid is made without reference to any other bid and without any agreement, understanding or combination with any other person in reference to such bidding.

He further says that no person or persons, firms, or corporation has, have or will receive directly or indirectly, any rebate, fee, gift, commission or thing of value on account of such sale.

GENERAL CONTRACTOR CERTIFICATION

I hereby certify that we have obtained a complete set of construction documents, including all Drawings, Specifications and Addenda, and have reviewed the jobsite to sufficiently familiarize ourselves with the existing conditions.

Dated at _____ this _____ day of _____, 20__.

(Name of Organization)

BY _____

(Title of Person Signing)

OATH AND AFFIRMATION

I hereby affirm under the penalties for perjury that the facts and information contained in the foregoing bid for public works are true and correct.

Dated at _____ this _____ day of _____, 20__.

(Name of Organization)

BY _____

(Title of Person Signing)

ACKNOWLEDGEMENT

STATE OF _____

COUNTY OF _____

Before me, a Notary Public, personally appeared the above-named _____ and
(Name of Person Signing)
swore that the statements contained in the foregoing document are true and correct.

Subscribed and sworn to before me this _____ day of _____, 20 ____.

Notary Public

My Commission Expires: _____

County of Residence: _____

ACCEPTANCE

The above bid is accepted this _____ day of _____, 20 ____,

subject to the following conditions: _____
_____.

Contracting Authority Members:

END OF SECTION 00 42 01

SECTION 01 21 13 - CASH ALLOWANCES

PART 1 – GENERAL

1.01 REQUIREMENTS INCLUDED

A. Section Includes:

1. Schedule of allowances in Contract Sum for purchase of products, unless installation is also specified.
2. Contractor's costs included in Allowances.
3. Contractor's costs included in Contract Sum.
4. Architect Responsibilities.
5. Contractor's Responsibilities.
6. Correlation with contractor submittals.
7. Adjustment of allowances.

1.02 SCHEDULE OF ALLOWANCES

A. Brick Allowance:

1. Allow a lump sum fee of **\$ 2,500.00** per thousand.
2. To be used for purchase and delivery of material to site.
3. Contractor to furnish brick count in thousands required to complete project.
4. To be included in Base Bid of Contract.
5. Refer to Section 04210 - Face Brick Masonry.

1.03 CONTRACTOR'S COSTS INCLUDED IN ALLOWANCES

- A. Cost of product of Contractor and/or subcontractor, less applicable trade discounts.
- B. Delivery to Site.
- C. Applicable taxes.
- D. Labor for installation, if specified as such.

1.04 CONTRACTOR COSTS INCLUDED IN CONTRACT SUM

- A. Product handling at site, including unloading, uncrating, and storage.
- B. Protection of products from elements and from damage.
- C. Labor for fabrication, installation and finishing, except when installation is specified as part of allowance.
- D. Other expenses required to complete installation.
- E. Contractor's overhead and profit.

1.05 ARCHITECT RESPONSIBILITIES

- A. Consult with Contractor in consideration of products, suppliers and installers, as applicable.
- B. Select products, obtain Owner's written decision and transmit full information to Contractor.
 1. Manufacturer, product, model or catalog number, accessories, attachments, and finishes.
 2. Supplier and installer as applicable.
 3. Cost to contractor, delivered to site and installed as applicable.

1.06 CONTRACTOR RESPONSIBILITIES

- A. Assist Architect in determining suppliers and installers, and obtain applicable proposals when requested.
- B. Make recommendations for Architect's consideration.

- C. Promptly notify Architect of any reasonable objections against supplier or installer.
- D. Upon notification of selection, execute purchase agreement with designated supplier and installer, as applicable, just as with any other subcontractor or supplier on the project.
- E. Arrange for processing of shop drawings, product data, and samples.
- F. Arrange for delivery. Promptly inspect products upon delivery for completeness, damage, and defects.
- G. Install, adjust and finish products.
- H. Provide warranties for products and installation.

1.07 CORRELATION WITH CONTRACTOR SUBMITTALS

- A. Schedule shop drawings, product data, samples, and delivery dates, in Progress Schedule for products selected under allowances.

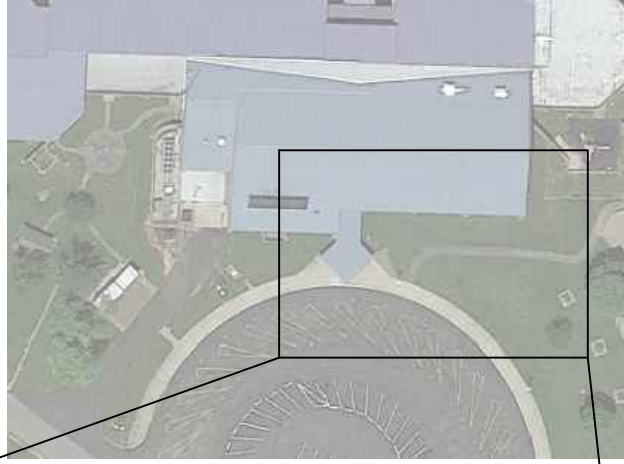
1.08 ADJUSTMENT OF ALLOWANCES

- A. Contractor shall submit proposal to Architect for any proposed change to allowances.
- B. Provide supportive data as required by Architect to substantiate costs of items included in allowances.
- C. All proposals shall be authorized by the Architect prior to execution and recorded in Contractor's as-built drawings and Architect's project record documents.
- D. Adjustment to Allowances will be made by Change Order.
Any unused amounts to be credited back to the Owner.

END OF SECTION 01 21 13

NOTES:

- STONE BASE TO BE PROVIDED FOR TEMPORARY STORAGE CONTAINER.
- INSTALL SEED AND STRAW AFTER STORAGE CONTAINER AND STONE BASE ARE REMOVED.



TowerPinkster

ARCHITECTURE • ENGINEERING • INTERIORS
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 Kalamazoo, Michigan 49007-5928
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 TOWERPINKSTER.COM

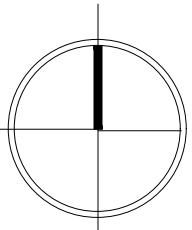
320 Spring St, Suite 100
 New Albany, IN 47150
 812.282.9554 PHONE

Revisions	Drawn	OB
1		
2	Checked By	HG
3		
4	Project No.	2023228.001
5		
6	Date	04/19/2024
Certified By		

NORTH HARRISON COMMUNITY SCHOOLS
 NORTH HARRISON ELEMENTARY SCHOOL
 2024 ADDITIONS AND RENOVATIONS

Sheet
AD-2A

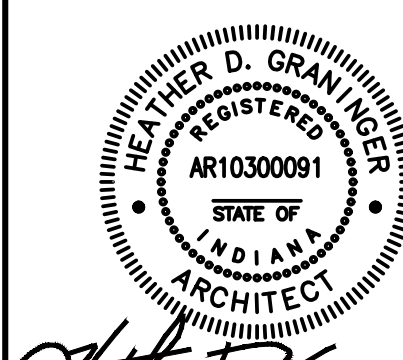
North



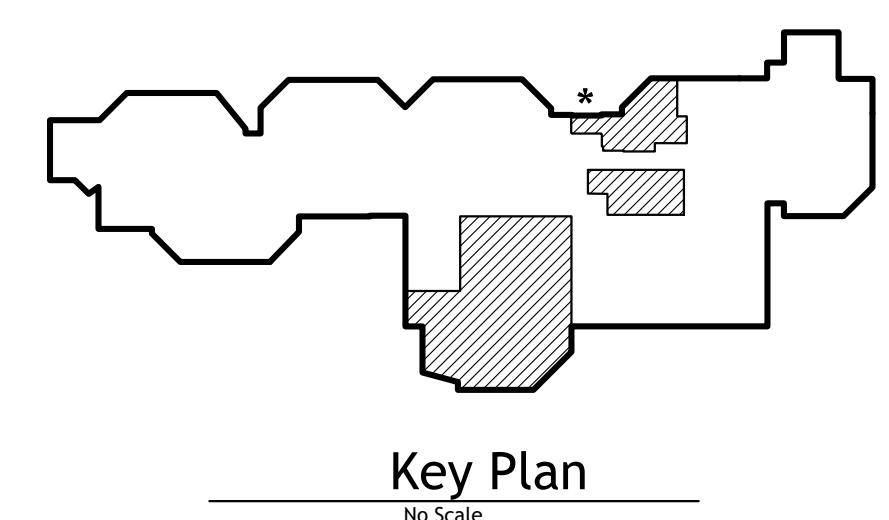
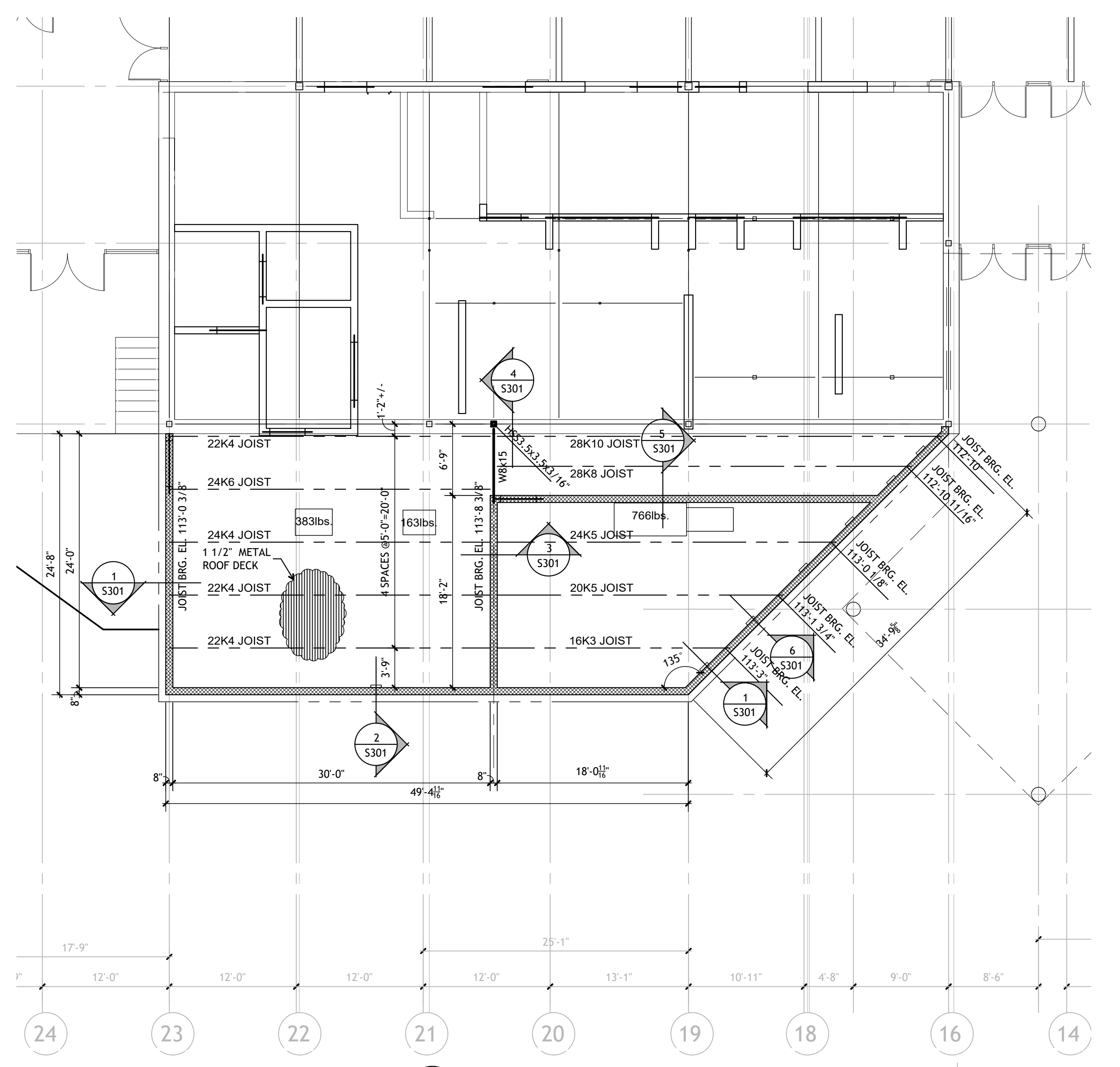
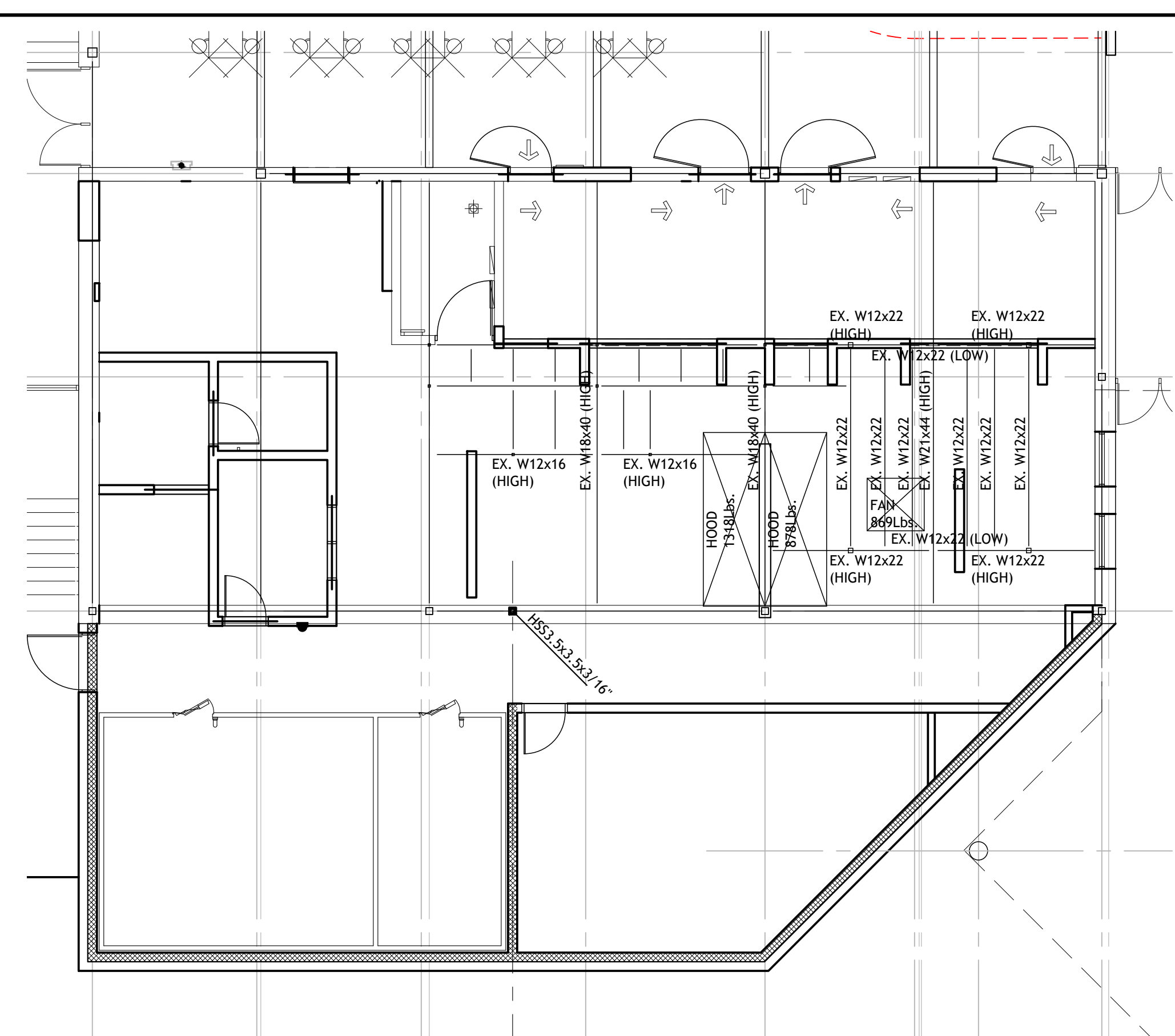
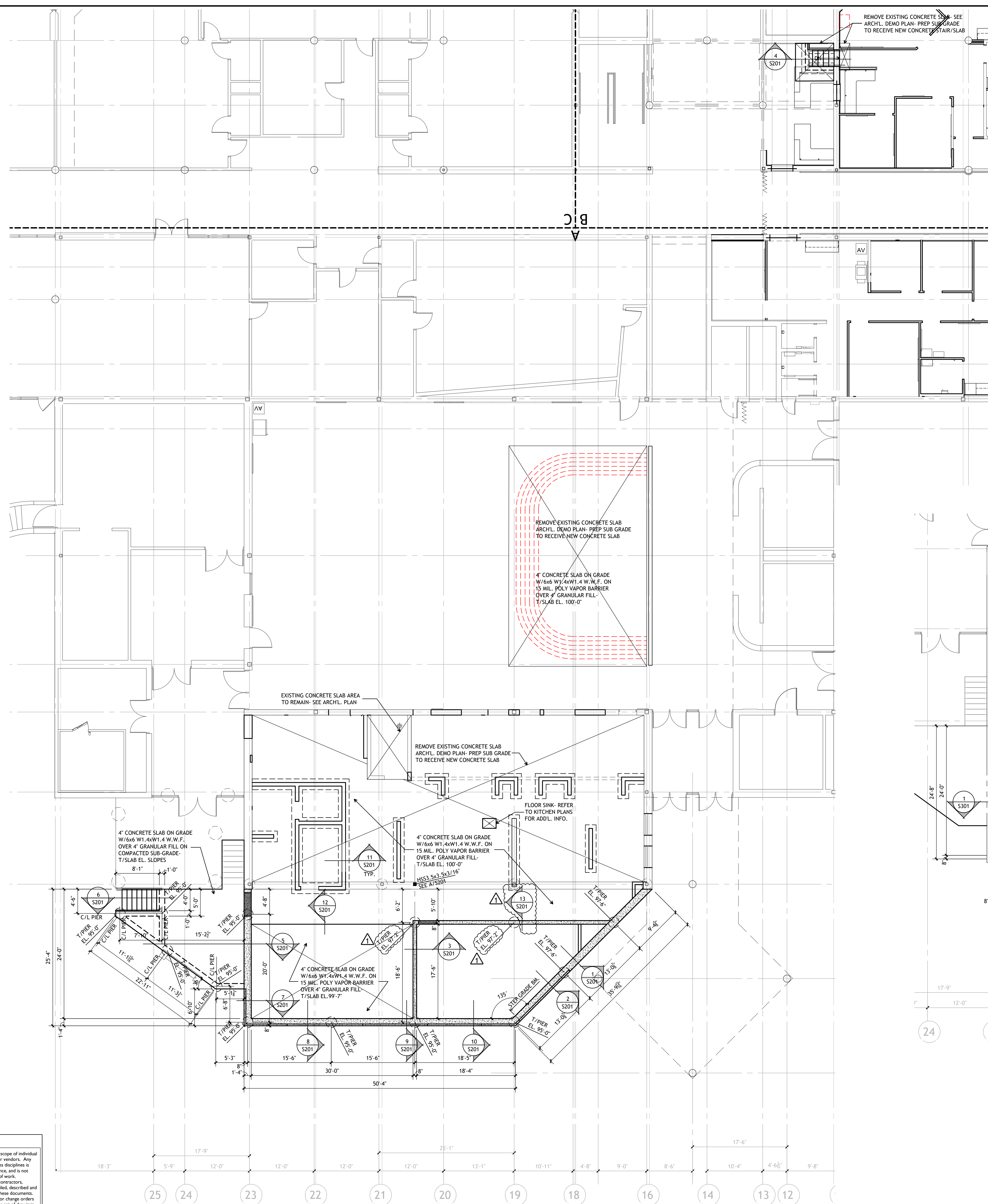
**Temporary Storage
Container Location**

full size plot scale: NTS





ISSUED FOR: Public Bidding Addendum #2
DATE: 04-03-2024 / 04-22-2024

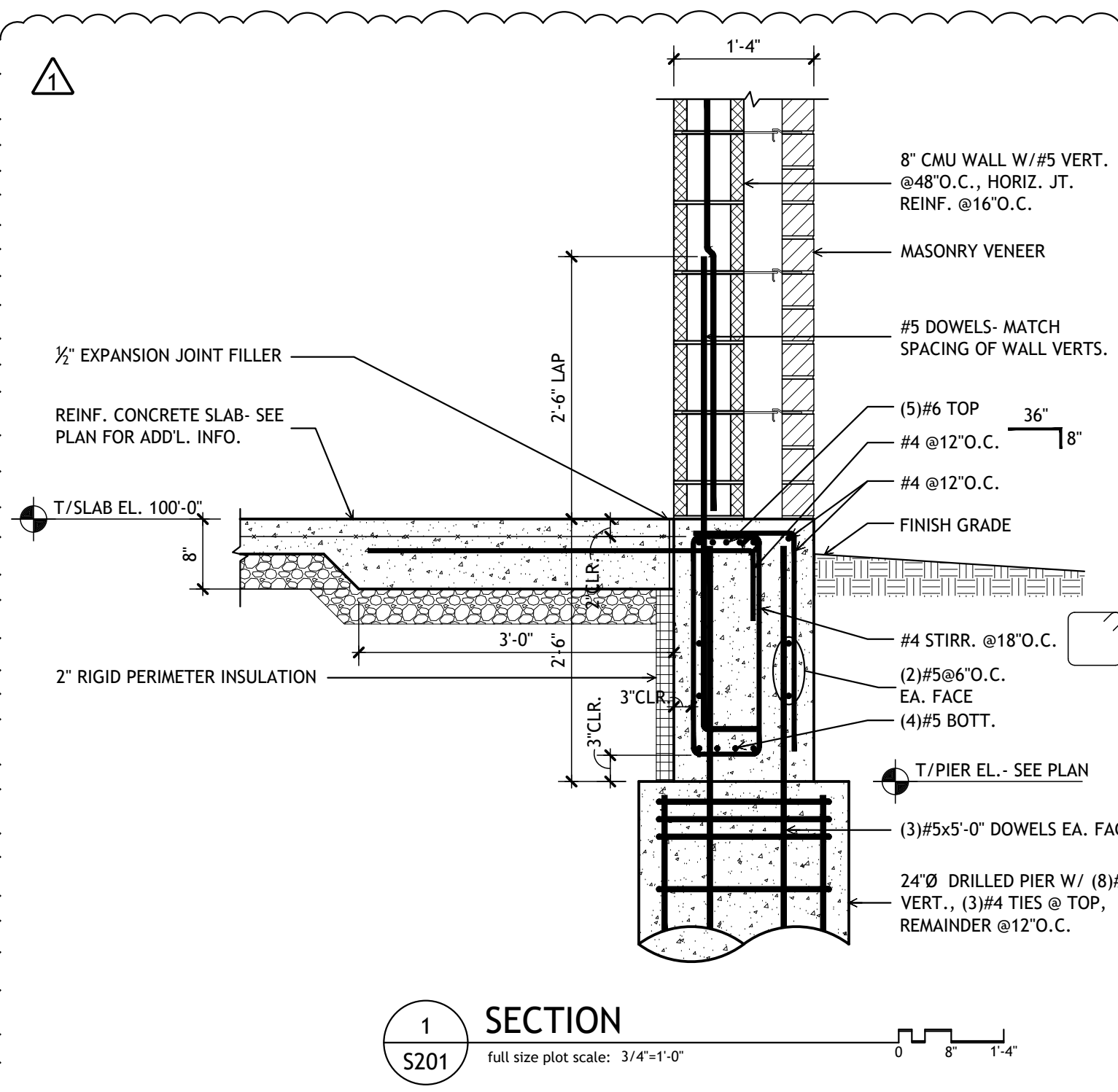
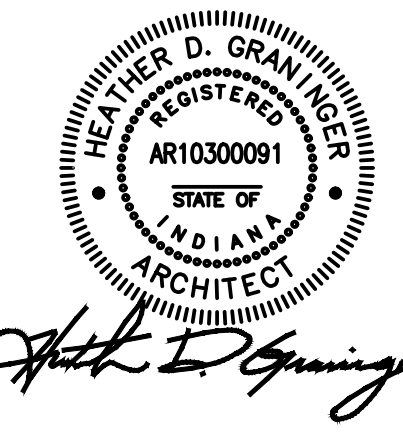


Notice
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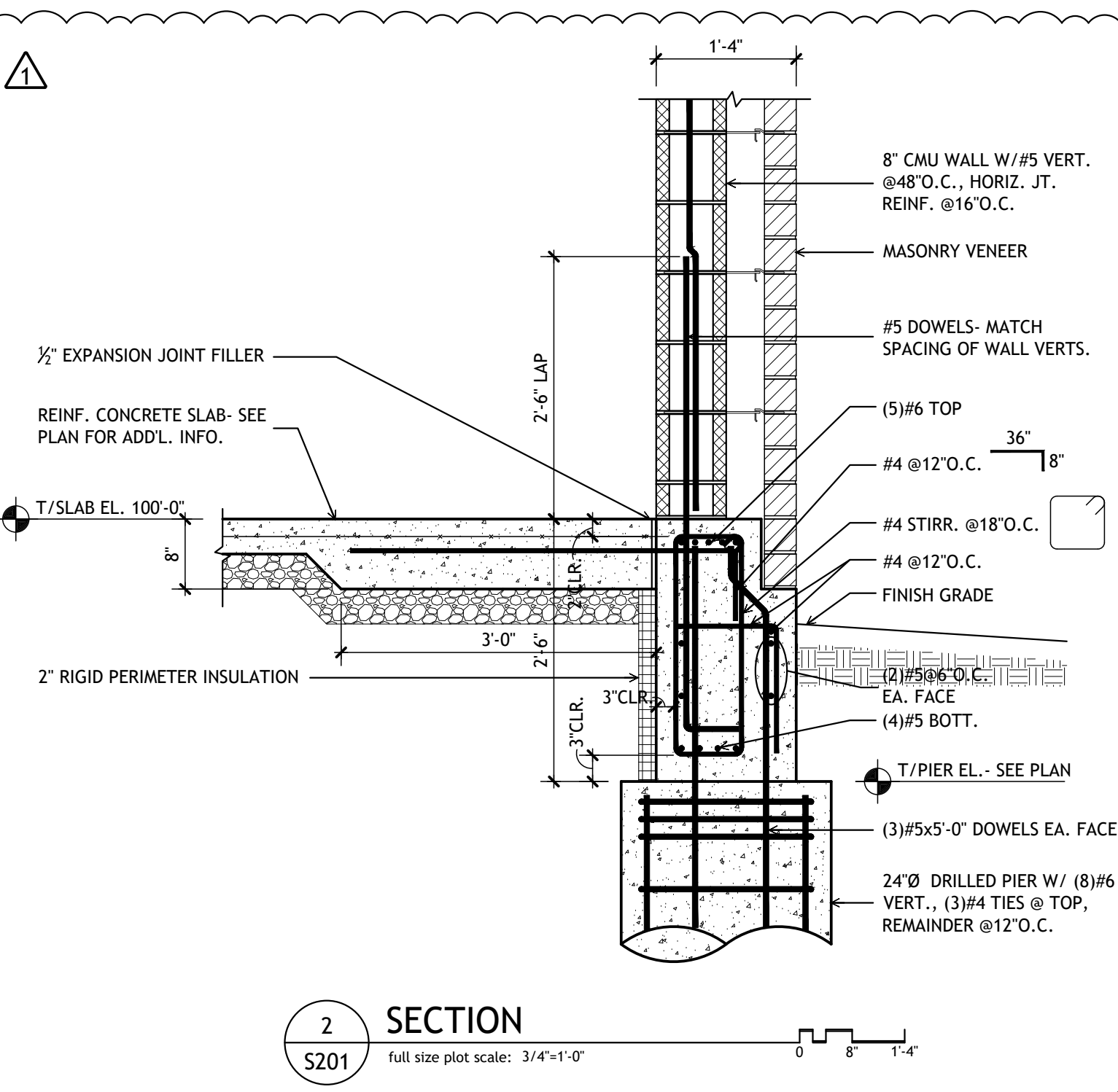
PROJECT TITLE
NORTH HARRISON
ELEMENTARY SCHOOL
2024 ADDITION AND
RENOVATIONS

OWNER
NORTH HARRISON
COMMUNITY SCHOOLS
1115 W WHISKEY RUN RD. NW
RAMSEY, INDIANA 47166

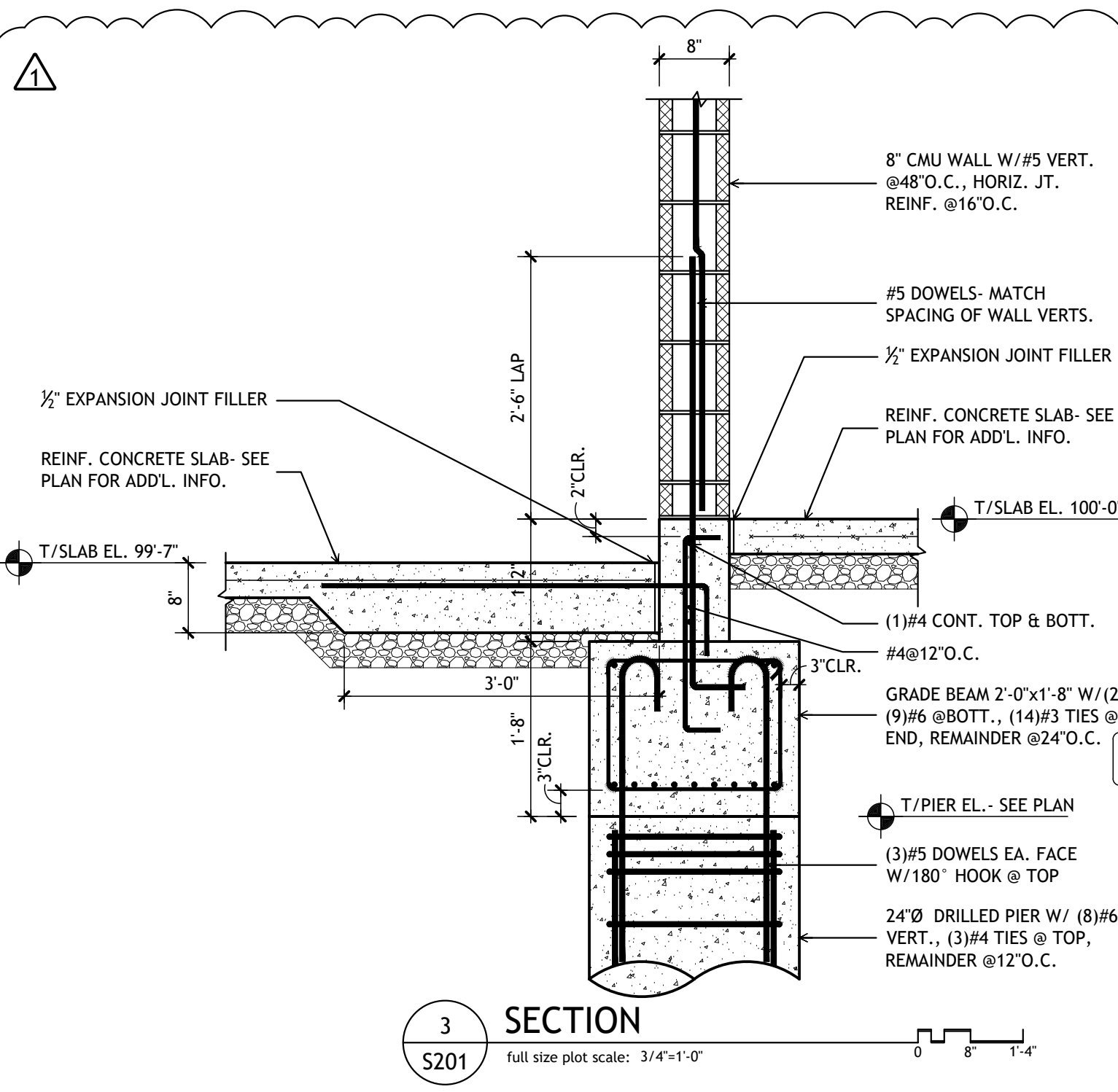
SHEET TITLE
FOUNDATION & ROOF FRAMING PLAN
DATE
APRIL 3, 2024
SHEET NUMBER
S 101
23-228.001



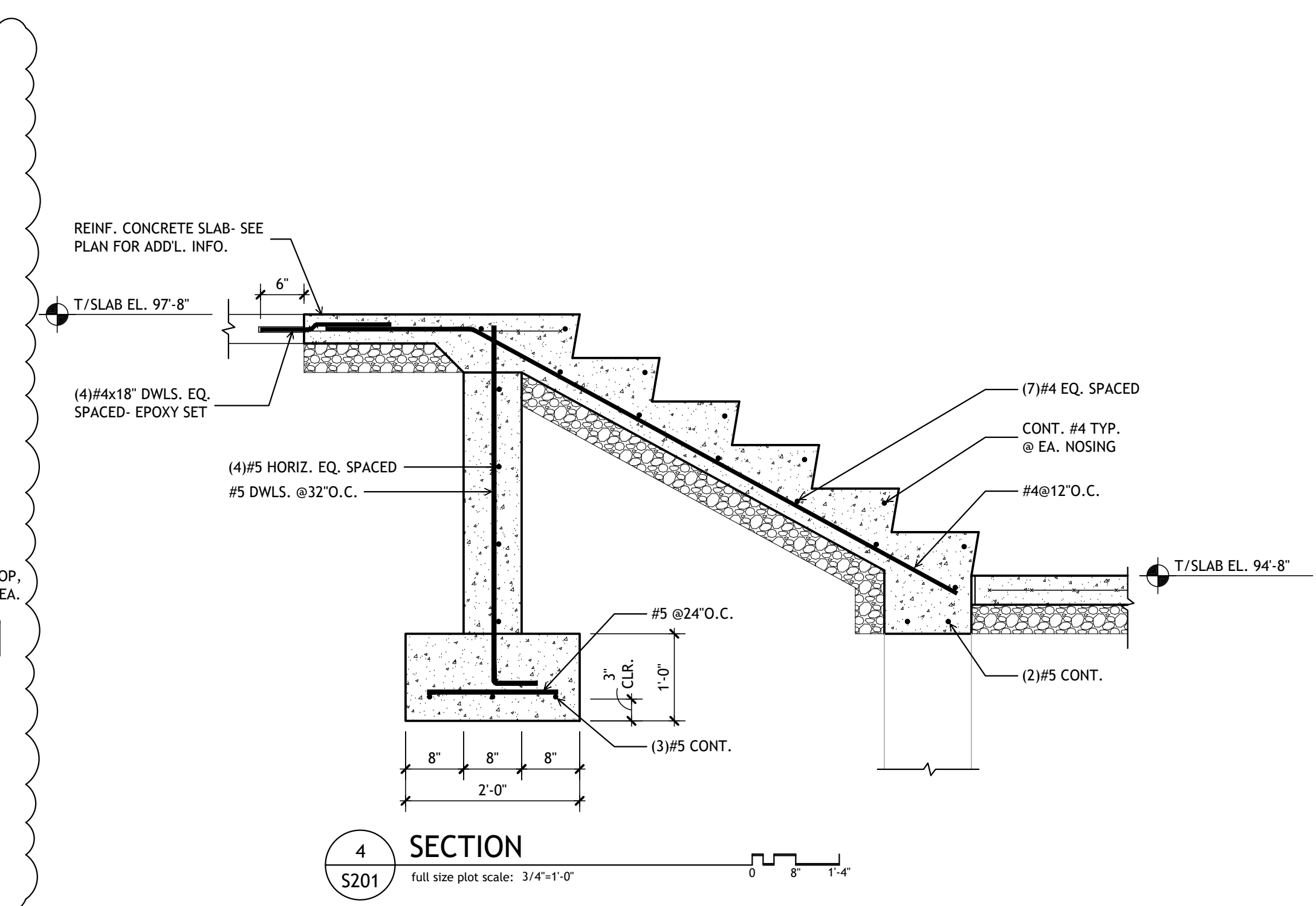
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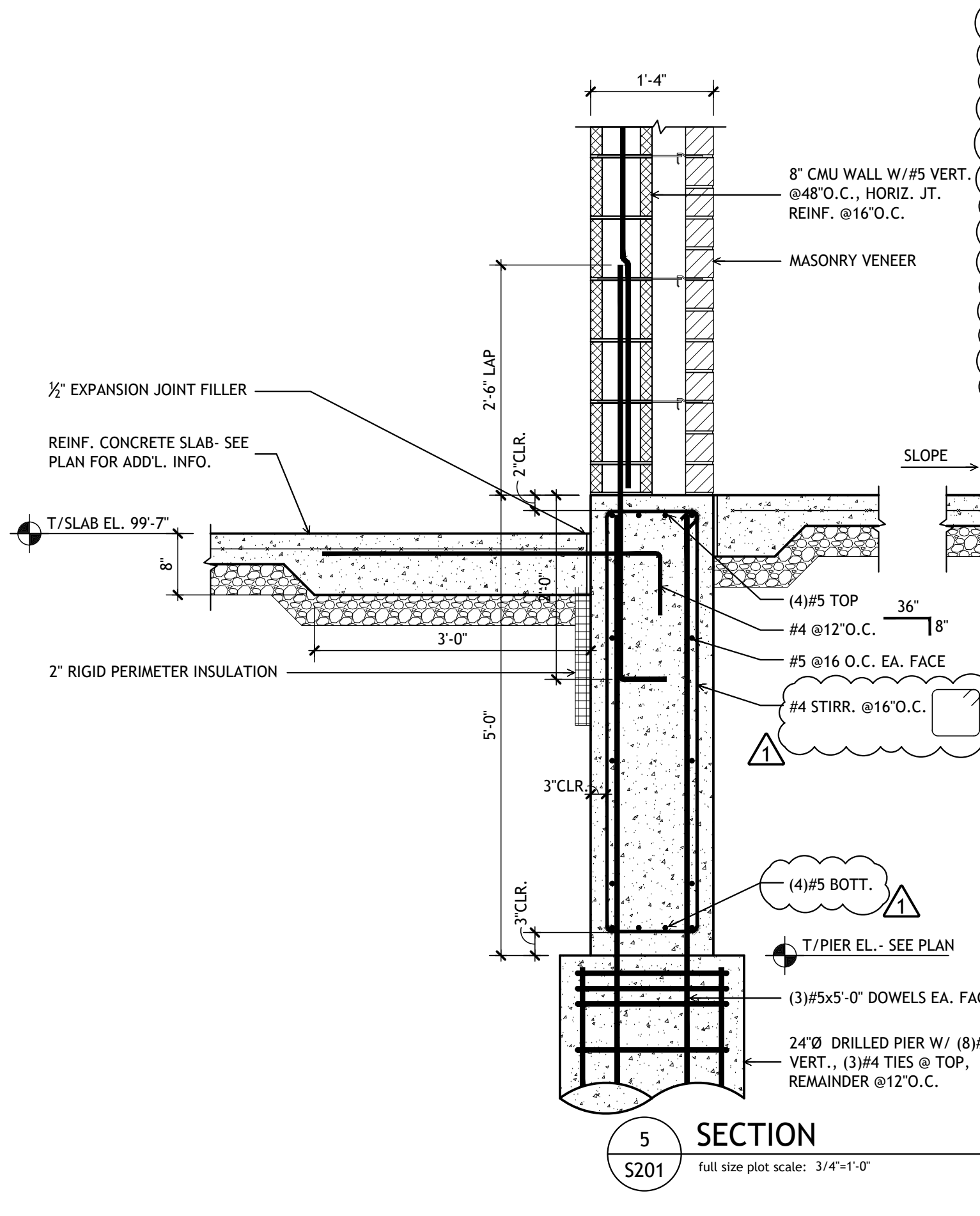
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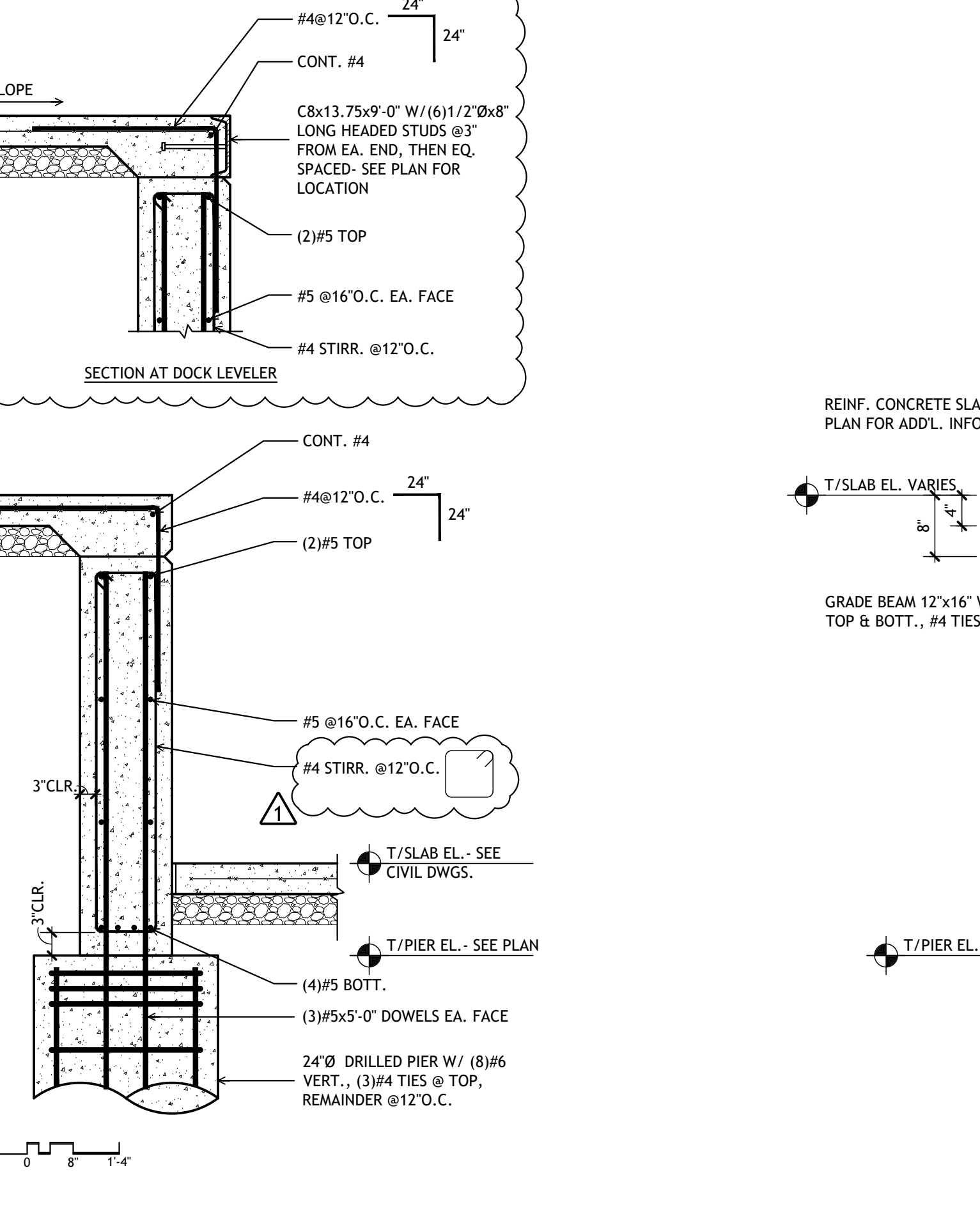
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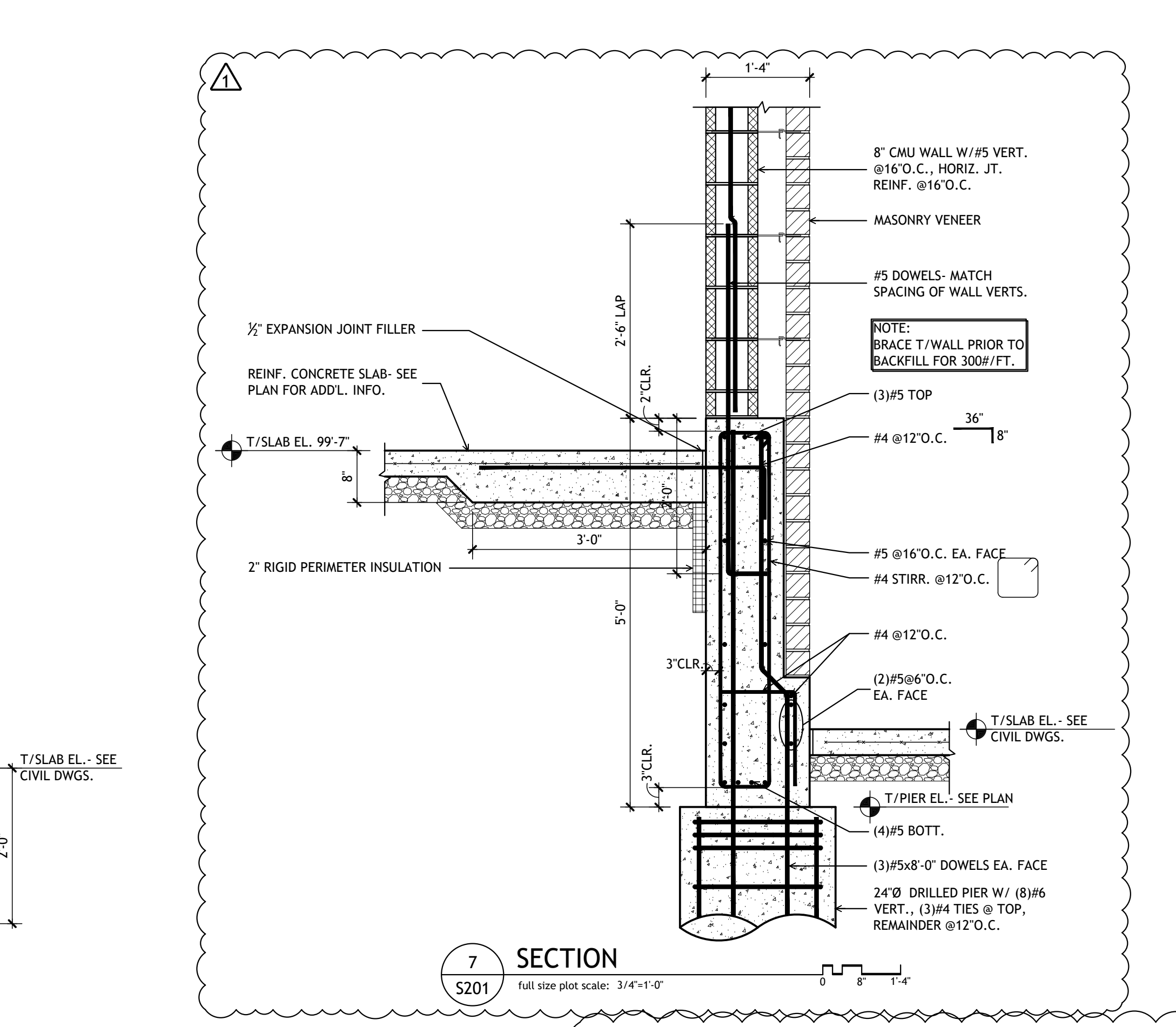
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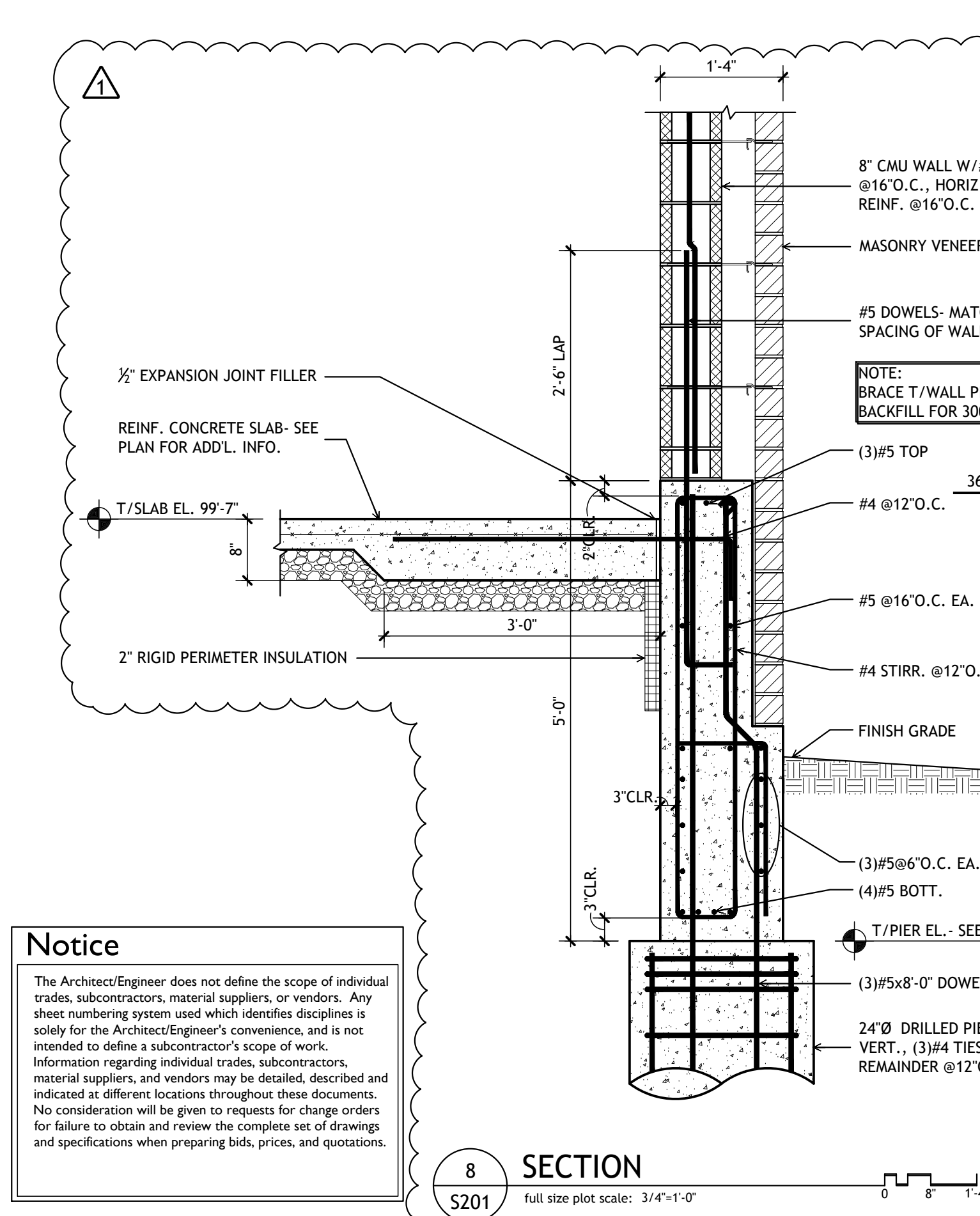
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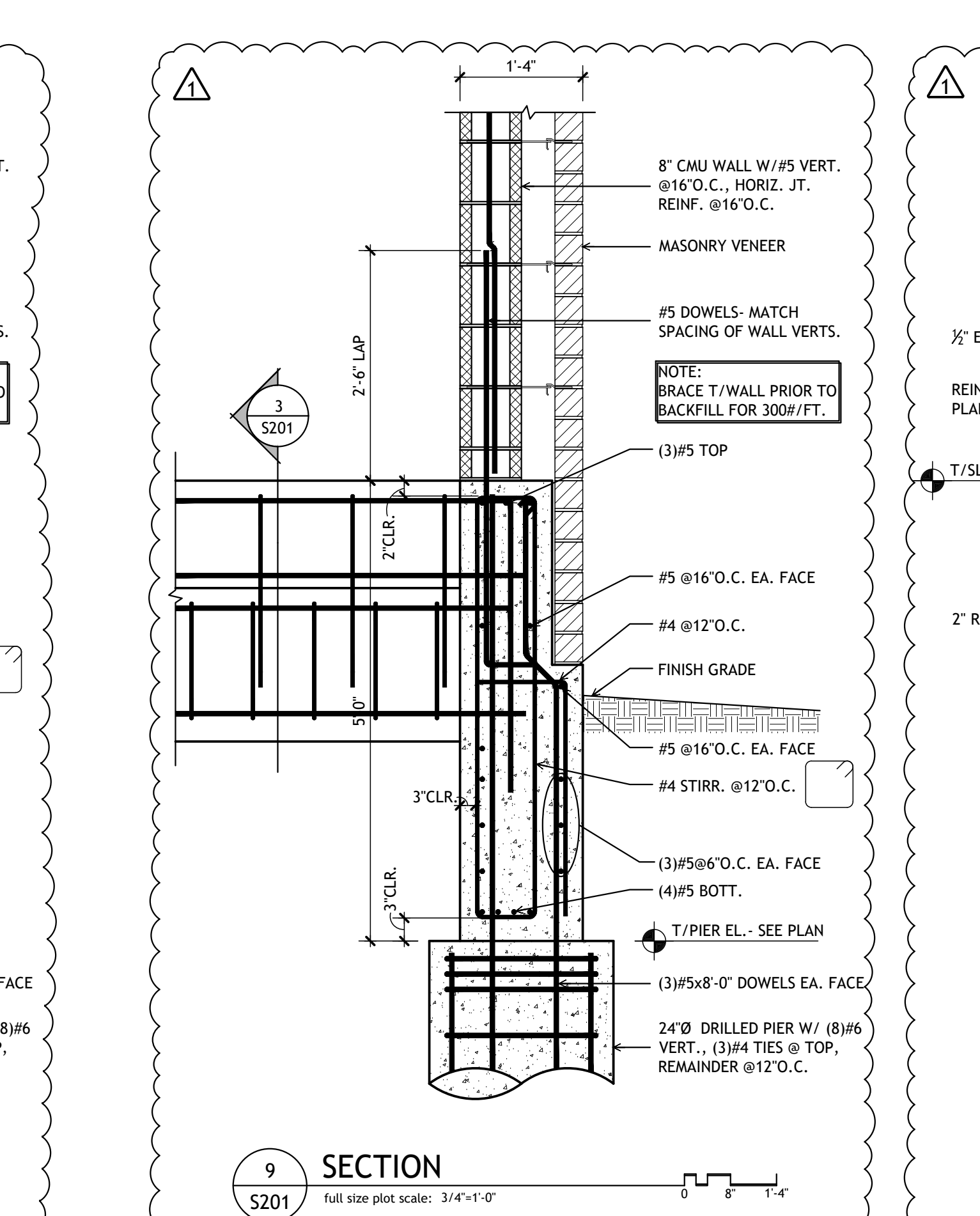
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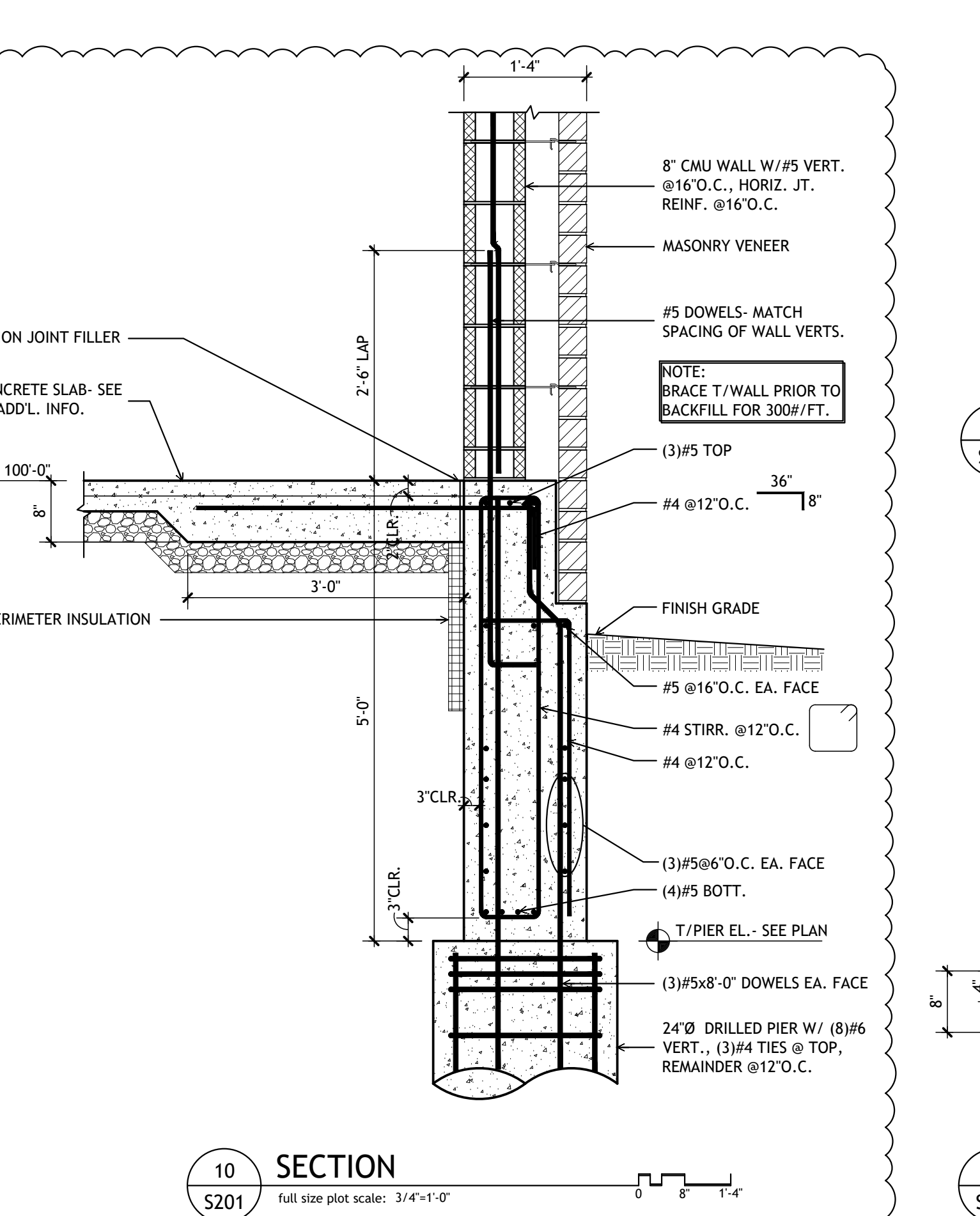
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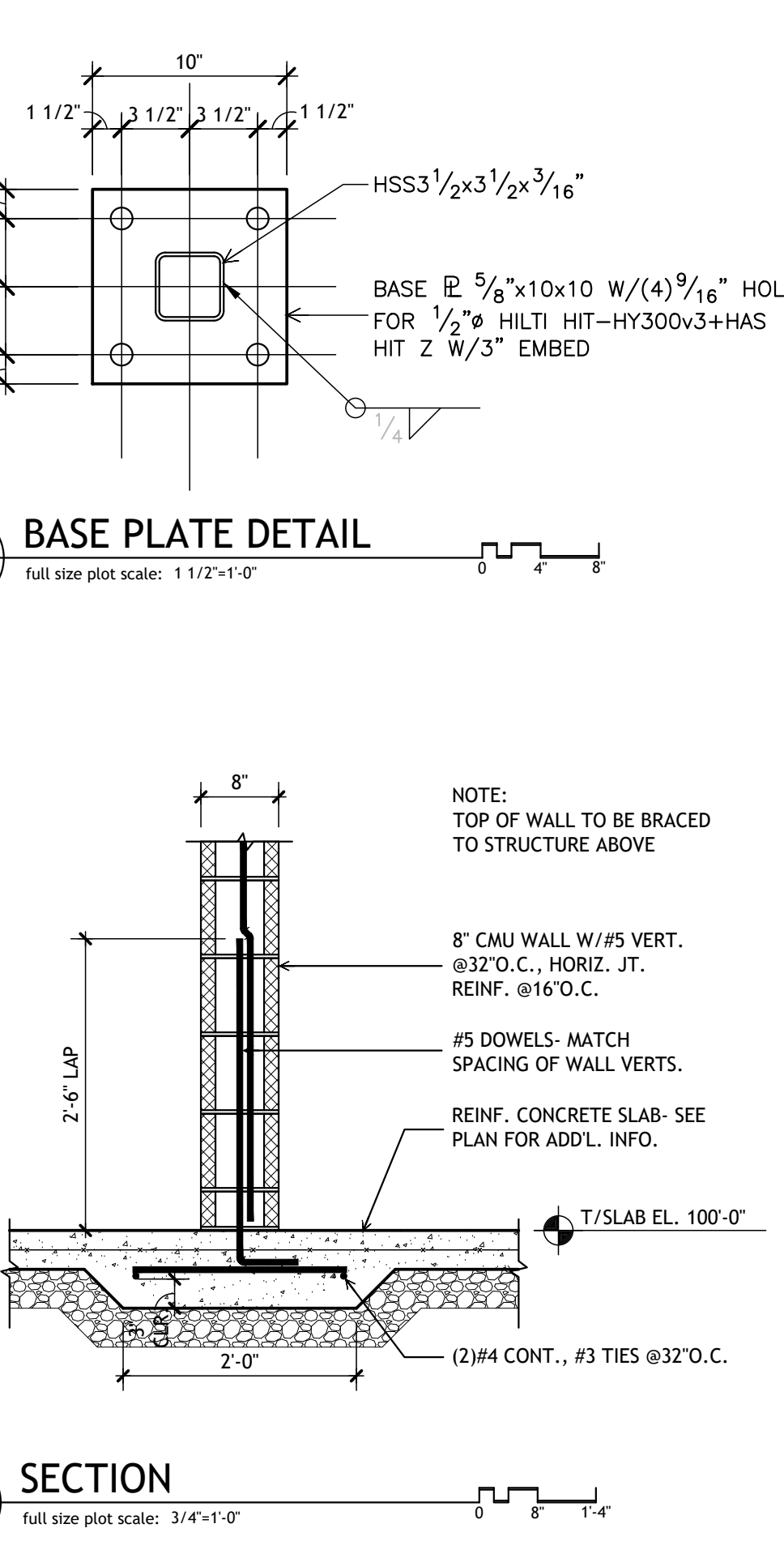
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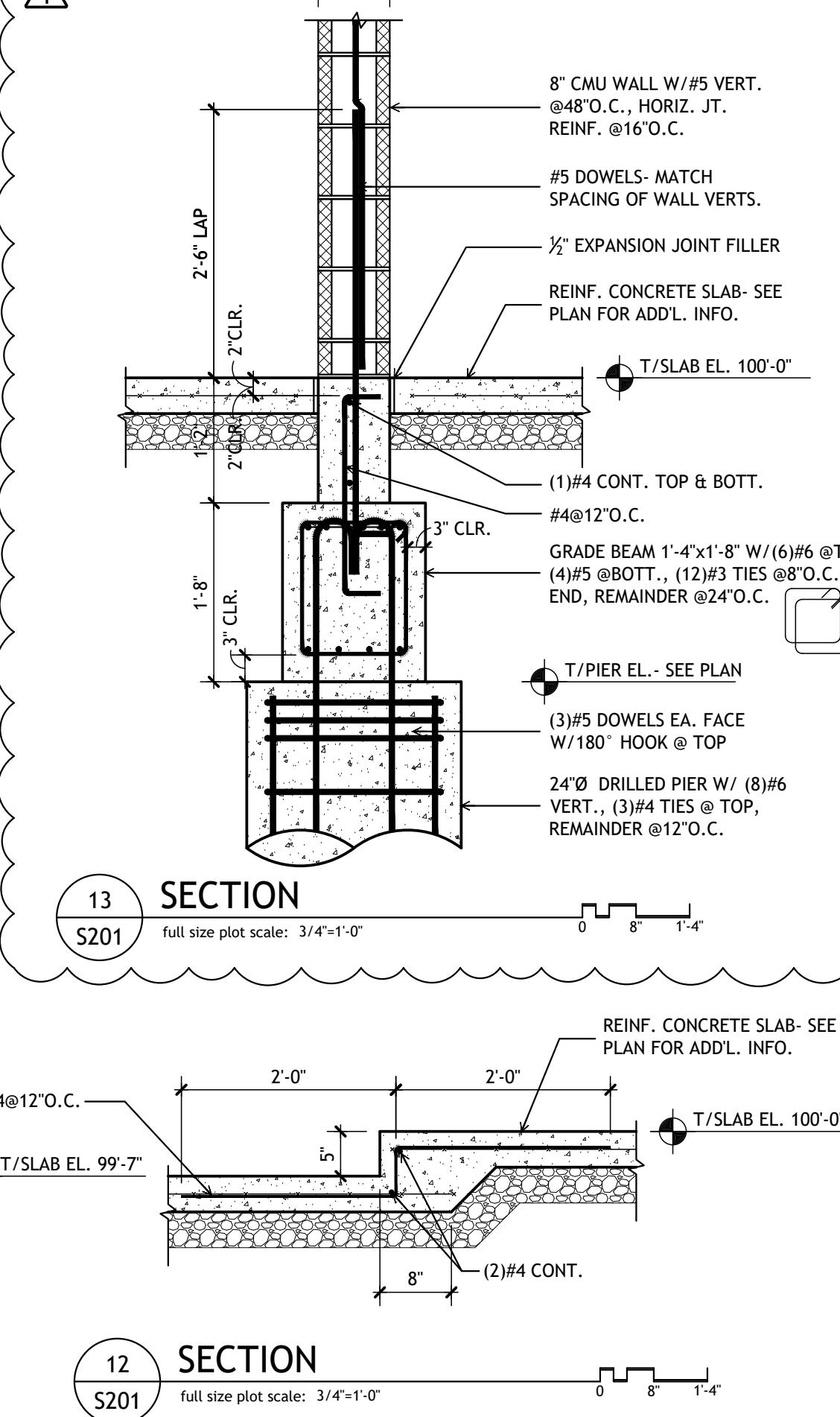
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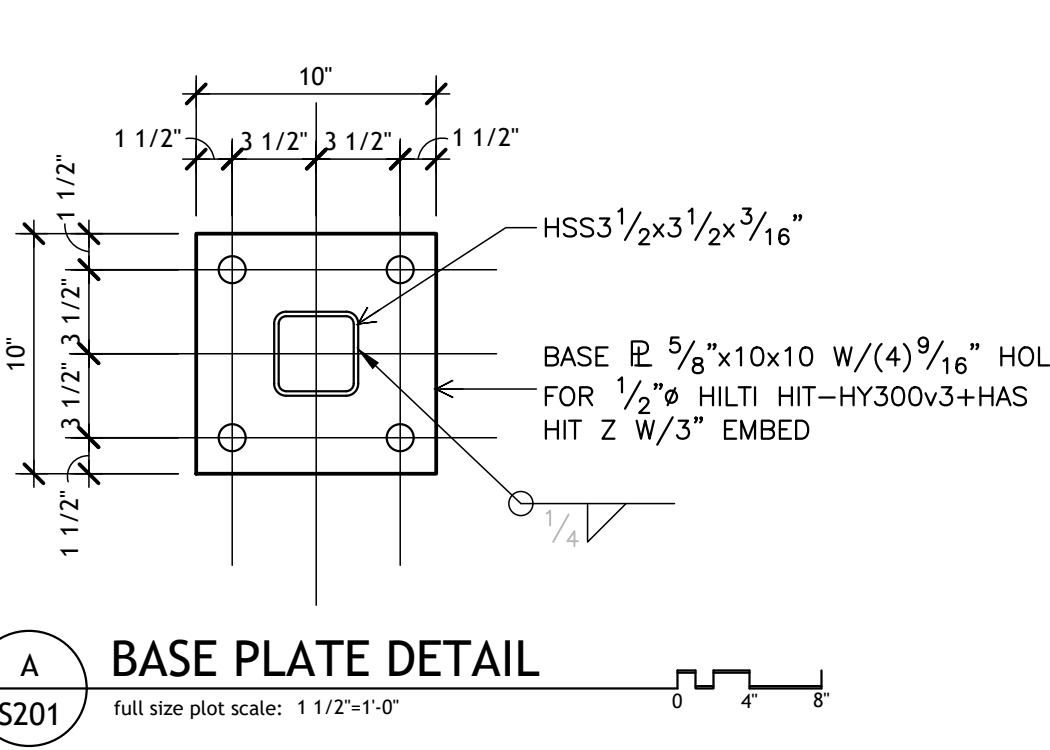


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12 SECTION
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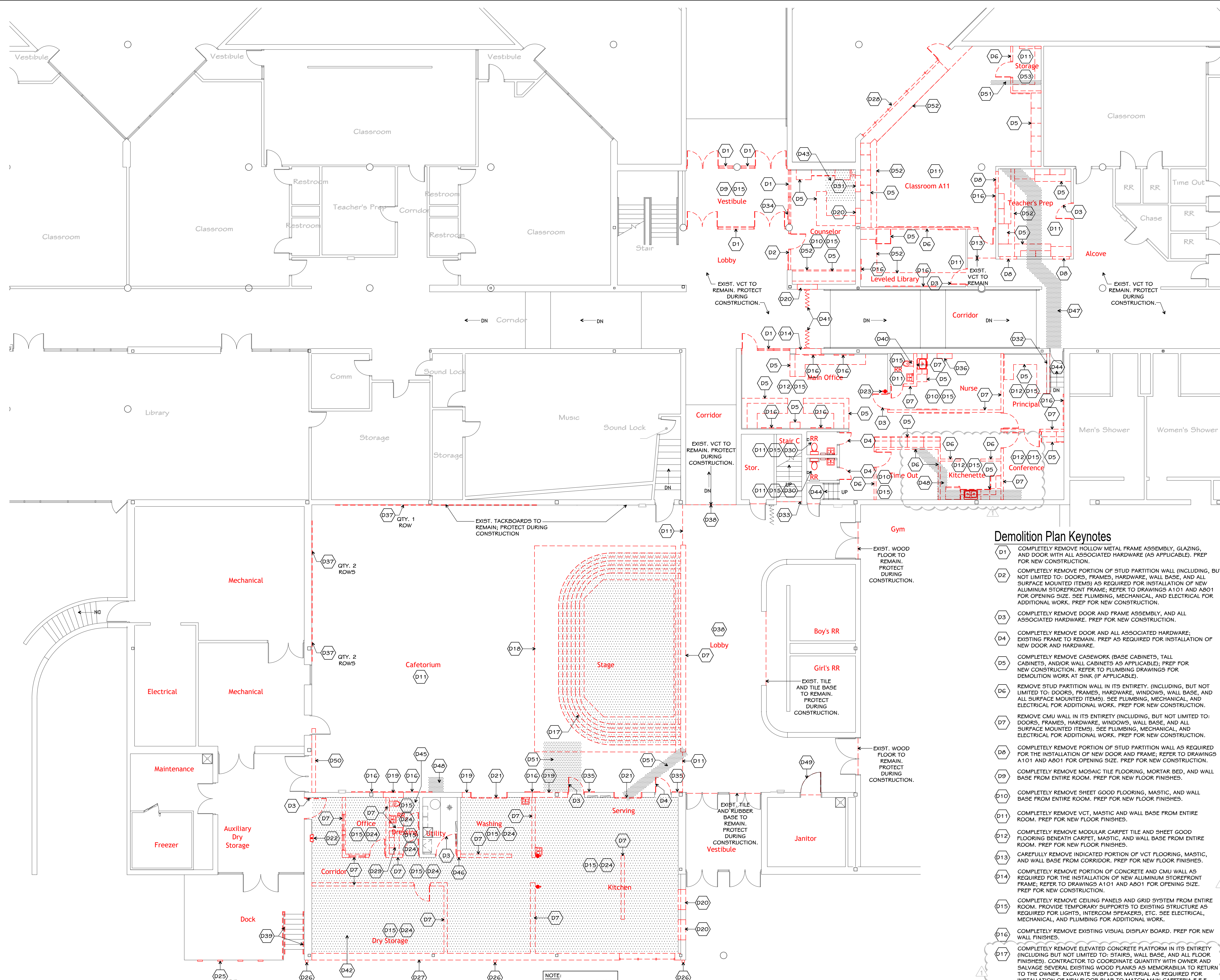


A BASE PLATE DETAIL
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PROJECT TITLE
NORTH HARRISON
ELEMENTARY SCHOOL
2024 ADDITION AND
RENOVATIONS

OWNER
NORTH HARRISON
COMMUNITY SCHOOLS
1115 W WHISKEY RUN RD. NW
RAMSEY, INDIANA 47166

SHEET TITLE
FOUNDATION SECTIONS
DATE
APRIL 3, 2024
SHEET NUMBER
S201
23-228.001



General Demolition Notes

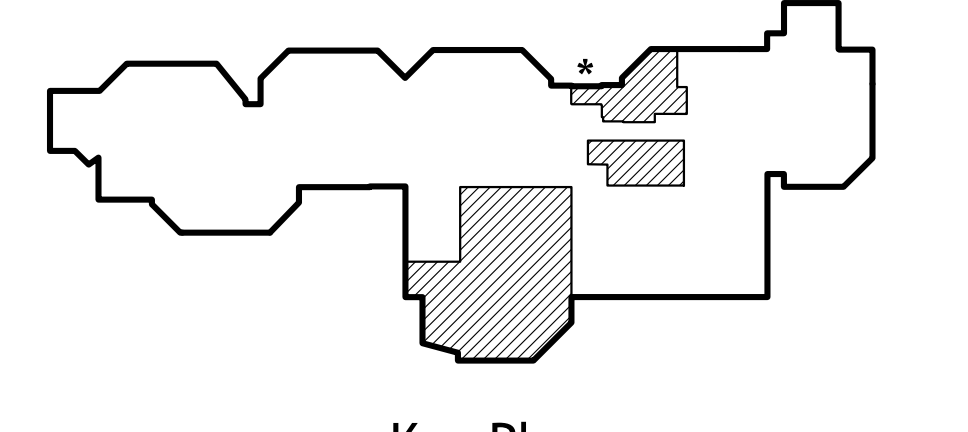
- SEE SPECIFICATIONS SECTION 02 41 19-SELECTIVE DEMOLITION FOR FURTHER REQUIREMENTS OF DEMOLITION WITHIN SCOPE OF WORK.
- OTHER SHEETS WITHIN THIS DRAWING SET REFER TO ITEMS PERTAINING TO SPECIFIC AREAS OF WORK WHICH NEED TO BE REMOVED AND ARE TO BE INCLUDED WITHIN THE ENTIRE SCOPE OF DEMOLITION ON THE PROJECT, INCLUDING BUT NOT LIMITED TO STRUCTURAL, PLUMBING, HVAC, ELECTRICAL AND SITE WORK. CONTRACTOR IS NOT RELIEVED OF HIS/HER RESPONSIBILITY FOR ALL WORK INTENDED FOR FAILURE TO REVIEW ENTIRE DOCUMENT SET FOR WORK REQUIRED.
- COORDINATE ALL DEMOLITION WITH PHASING, ARCHITECT, AND OWNER'S REPRESENTATIVE.
- WHERE WALLS, FINISHES, EQUIPMENT, MATERIALS, OR CONSTRUCTION OF ANY TYPE IS INDICATED TO BE REMOVED, THE CONTRACTOR IS TO PATCH AND REPAIR ALL SURFACES TO REMAIN TO MATCH EXISTING ADJACENT SURFACES IN ALL ASPECTS. REPAIRED AREAS ARE TO BLEND INTO THE ADJACENT SURFACES AND NOT APPEAR TO BE A PATCH.
- CLEAN AND PREP ALL EXISTING WALL SURFACES TO RECEIVE NEW FINISHES. PATCH AND FILL ANY AREAS AS NEEDED DUE TO RENOVATION WORK OR EXISTING CONDITIONS FOR A LIKE-NEW, SMOOTH, FINISHED SURFACE.
- PROVIDE OPENINGS IN WALLS AS REQUIRED TO INSTALL NEW PLUMBING, MECHANICAL, AND ELECTRICAL THROUGHOUT THE PROJECT AS REQUIRED TO ACCOMPLISH THE ENTIRE SCOPE OF WORK. SEE PLUMBING, HVAC, AND ELECTRICAL.
- CONTRACTOR TO PROVIDE AND INSTALL LINTELS AS REQUIRED FOR ALL OPENINGS IN NEW AND EXISTING BUILDING WALLS. REFER TO OTHER SHEETS WITHIN THIS DRAWING SET WHERE OPENINGS MAY BE REQUIRED FOR ANY/all TRADES.
- CONTRACTOR IS RESPONSIBLE FOR PATCHING AND REPAIRING ALL INTERIOR AND EXTERIOR SURFACES DISTURBED BY DEMOLITION OR RENOVATION WORK. ALL ADJACENT SURFACES IN ALL ASPECTS TO LIKE-NEW CONDITION, WHETHER PATCHING IS SPECIFICALLY INDICATED OR NOT.
- RE-FEED ALL DOWNSTREAM ELECTRICAL DEVICES, LIGHTS, ETC. AFFECTED BY ANY DEMOLITION WORK AS REQUIRED.
- CONTACT ARCHITECT AND OWNER IF ANY EXISTING LOW VOLTAGE SYSTEM ITEMS (TECHNOLOGY, SECURITY, CAMERAS, ETC.) NOT INDICATED TO BE REMOVED MAY CONFLICT WITH PROJECT SCOPE OF WORK TO COORDINATE REMOVAL AND/OR RELOCATION.

Demolition Plan Keynotes (Continued)

- D25 REMOVE DOCK BUMPERS.
- D26 METAL GUTTER AND DOWNSPOUTS TO BE REPLACED. PROVIDE PROVISIONS DURING CONSTRUCTION TO TEMPORARILY RE-DIRECT ROOF DRAINAGE AS REQUIRED DURING CONSTRUCTION OF KITCHEN ADDITION. REFER TO DRAWING A301 FOR ADDITIONAL INFORMATION.
- D27 COMPLETELY REMOVE CMU AND BRICK VENEER EXTERIOR WALL AS SHOWN (INCLUDING, BUT NOT LIMITED TO: WINDOWS, WALL BASE, AND ALL SURFACE MOUNTED ITEMS). SEE PLUMBING, MECHANICAL, AND ELECTRICAL FOR ADDITIONAL WORK. PREP FOR NEW CONSTRUCTION.
- D28 COMPLETELY REMOVE HOLLOW METAL FRAME, GLAZING, DOOR AND ALL ASSOCIATED HARDWARE, AND INTEGRATED LOUVERS IN THEIR ENTIRETY. PREP FOR NEW CONSTRUCTION.
- D29 REMOVE CONCRETE BENCH AND LOCKERS ATOP BENCH IN THEIR ENTIRETY.
- D30 CAREFULLY REMOVE ALL RESTROOM ACCESSORIES FOR PREP OF NEW WALL FINISHES. SALVAGE AND REINSTALL.
- D31 COMPLETELY REMOVE PORTION OF CONCRETE AND CMU WALL AS REQUIRED FOR THE INSTALLATION OF NEW WALK THROUGH OPENING AND STAIR. REFER TO DRAWING A101 AND SECTION 1A702 FOR ADDITIONAL INFORMATION. PREP FOR NEW CONSTRUCTION.
- D32 COMPLETELY REMOVE EXISTING PLASTIC LAMINATE WALL CAP IN ITS ENTIRETY. PREP FOR NEW CONSTRUCTION.
- D33 CAREFULLY REMOVE WALL BASE AT FIRST STAIR RISER ONLY. PREP FOR NEW FLOOR FINISHES.
- D34 CAREFULLY REMOVE EXISTING BUILDING PLAQUE AND RETURN TO OWNER.
- D35 CAREFULLY REMOVE EXISTING MENU BOARD. SALVAGE FOR REINSTALLATION. SEE Q101 FOR NEW LOCATIONS.
- D36 CAREFULLY REMOVE WALL MOUNTED NARCOTICS CABINET. SALVAGE FOR REINSTALLATION. SEE Q101 FOR NEW LOCATIONS.
- D37 COMPLETELY REMOVE EXISTING WALL MOUNTED TACK STRIPS
- D38 COMPLETELY REMOVE MODULAR CARPET TILE, MASTIC, AND WALL BASE FROM ENTIRE ROOM. PREP FOR NEW FLOOR FINISHES.
- D39 REMOVE STEEL HANDRAILS AND GUARDRAIL AT DOCK STAIR. PATCH HOLES IN DOCK WITH NON-SHRINK GROUT.
- D40 REMOVE ALL RESTROOM ACCESSORIES FROM ROOM. SALVAGE TOILET PAPER DISPENSER, PAPER TOWEL DISPENSER, AND SOAP DISPENSER AND RETURN TO OWNER.
- D41 CAREFULLY REMOVE ACCORDION SECURITY GATE; SALVAGE FOR REINSTALLATION. REFER TO DRAWING A101 FOR NEW LOCATION.
- D42 COMPLETELY REMOVE FLOOR SLAB FROM INDICATED AREA IN KITCHEN. SAWCUT AROUND EXISTING UTILITY ROOM TO REMAIN AND AT DOOR OPENINGS AS REQUIRED.
- D43 SAWCUT & REMOVE PORTION OF FLOOR SLAB AND EXCAVATE SUBFLOOR MATERIAL AS REQUIRED FOR INSTALLATION OF NEW STAIR. REFER TO SECTION 1A702 AND STRUCTURAL DRAWINGS FOR ADDITIONAL INFORMATION.
- D44 COMPLETELY REMOVE NOSING/RISERS, SHEET GOOD FLOORING FROM LANDING(S), MASTIC, AND WALL BASE FROM STAIR. PREP FOR NEW FLOOR FINISHES.
- D45 REMOVE ALL RESTROOM ACCESSORIES FROM ROOM.
- D46 REMOVE PORTION OF CMU WALL UP TO 10'-0" A.F.F. TO CREATE NEW FINISHED END.
- D47 HATCHED AREA INDICATES APPROXIMATE PATH FOR NEW SANITARY PIPING. REFER TO PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION. CONTRACTOR TO REMOVE WHOLE VCT FLOOR TILES AT AFFECTED AREA, THEN SAWCUT AND REMOVE PORTION OF CONCRETE FLOOR SLAB AS REQUIRED.
- D48 SAWCUT AND REMOVE PORTION OF CONCRETE FLOOR SLAB AS REQUIRED FOR INSTALLATION OF NEW SANITARY PIPING AND FLOOR DRAIN (AS APPLICABLE). REFER TO PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION.
- D49 TEMPORARILY REMOVE EXISTING DOOR. UNDERCUT AS REQUIRED FOR 1/4" MIN. CLEARANCE ABOVE NEW FINISHED FLOOR, AND REHANG. ALL EXISTING DOOR HARDWARE TO REMAIN.
- D50 REMOVE SHEET METAL PIPING ENCLOSURE. SEE MECHANICAL FOR ADDITIONAL WORK.
- D51 SAWCUT AND REMOVE PORTION OF CONCRETE FLOOR SLAB AS REQUIRED FOR INSTALLATION OF NEW UNDERSLAB CONDUITS. REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.
- D52 COMPLETELY REMOVE GYP. BD. AND METAL STUD SOFFIT IN ITS ENTIRETY.
- D53 COMPLETELY REMOVE WALL MOUNTED SHELVING (INCLUDING, BUT NOT LIMITED TO: SHELVES, SUPPORT BRACKETS, AND WALL MOUNTED STANDARDS) FROM ENTIRE ROOM.

Demolition Plan Keynotes

- D1 COMPLETELY REMOVE HOLLOW METAL FRAME ASSEMBLY, GLAZING, AND DOOR WITH ALL ASSOCIATED HARDWARE (AS APPLICABLE). PREP FOR NEW CONSTRUCTION.
- D2 COMPLETELY REMOVE PORTION OF STUD PARTITION WALL (INCLUDING, BUT NOT LIMITED TO: DOORS, FRAMES, HARDWARE, WALL BASE, AND ALL SURFACE MOUNTED ITEMS) AS REQUIRED FOR INSTALLATION OF NEW ALUMINUM STOREFRONT FRAME; REFER TO DRAWINGS A101 AND A801 FOR OPENING SIZE. SEE PLUMBING, MECHANICAL, AND ELECTRICAL FOR ADDITIONAL WORK. PREP FOR NEW CONSTRUCTION.
- D3 COMPLETELY REMOVE DOOR AND FRAME ASSEMBLY, AND ALL ASSOCIATED HARDWARE. PREP FOR NEW CONSTRUCTION.
- D4 COMPLETELY REMOVE DOOR AND ALL ASSOCIATED HARDWARE, EXISTING FRAME TO REMAIN. PREP AS REQUIRED FOR INSTALLATION OF NEW DOOR AND HARDWARE.
- D5 COMPLETELY REMOVE CASEWORK (BASE CABINETS, TALL CABINETS, AND/OR WALL CABINETS AS APPLICABLE); PREP FOR NEW CONSTRUCTION. REFER TO PLUMBING DRAWINGS FOR DEMOLITION WORK AT SINK (IF APPLICABLE).
- D6 REMOVE STUD PARTITION WALL IN ITS ENTIRETY (INCLUDING, BUT NOT LIMITED TO: DOORS, FRAMES, HARDWARE, WINDOWS, WALL BASE, AND ALL SURFACE MOUNTED ITEMS). SEE PLUMBING, MECHANICAL, AND ELECTRICAL FOR ADDITIONAL WORK. PREP FOR NEW CONSTRUCTION.
- D7 REMOVE CMU WALL IN ITS ENTIRETY (INCLUDING, BUT NOT LIMITED TO: DOORS, FRAMES, HARDWARE, WINDOWS, WALL BASE, AND ALL SURFACE MOUNTED ITEMS). SEE PLUMBING, MECHANICAL, AND ELECTRICAL FOR ADDITIONAL WORK. PREP FOR NEW CONSTRUCTION.
- D8 COMPLETELY REMOVE PORTION OF STUD PARTITION WALL AS REQUIRED FOR THE INSTALLATION OF NEW DOOR AND FRAME; REFER TO DRAWINGS A101 AND A801 FOR OPENING SIZE. PREP FOR NEW CONSTRUCTION.
- D9 COMPLETELY REMOVE MOSAIC TILE FLOORING, MORTAR BED, AND WALL BASE FROM ENTIRE ROOM. PREP FOR NEW FLOOR FINISHES.
- D10 COMPLETELY REMOVE SHEET GOOD FLOORING, MASTIC, AND WALL BASE FROM ENTIRE ROOM. PREP FOR NEW FLOOR FINISHES.
- D11 COMPLETELY REMOVE VCT, MASTIC AND WALL BASE FROM ENTIRE ROOM. PREP FOR NEW FLOOR FINISHES.
- D12 COMPLETELY REMOVE MODULAR CARPET TILE AND SHEET GOOD FLOORING BENEATH CARPET, MASTIC, AND WALL BASE FROM ENTIRE ROOM. PREP FOR NEW FLOOR FINISHES.
- D13 CAREFULLY REMOVE INDICATED PORTION OF VCT FLOORING, MASTIC, AND WALL BASE FROM CORRIDOR. PREP FOR NEW FLOOR FINISHES.
- D14 COMPLETELY REMOVE PORTION OF CONCRETE AND CMU WALL AS REQUIRED FOR THE INSTALLATION OF NEW ALUMINUM STOREFRONT FRAME; REFER TO DRAWINGS A101 AND A801 FOR OPENING SIZE. PREP FOR NEW CONSTRUCTION.
- D15 COMPLETELY REMOVE CEILING PANELS AND GRID SYSTEM FROM ENTIRE ROOM. PROVIDE TEMPORARY SUPPORTS TO EXISTING STRUCTURE AS REQUIRED FOR LIGHTS, INTERCOM SPEAKERS, ETC. SEE ELECTRICAL, MECHANICAL, AND PLUMBING FOR ADDITIONAL WORK.
- D16 COMPLETELY REMOVE EXISTING VISUAL DISPLAY BOARD. PREP FOR NEW WALL FINISHES.
- D17 COMPLETELY REMOVE ELEVATED CONCRETE PLATFORM IN ITS ENTIRETY (INCLUDING BUT NOT LIMITED TO: STAIRS, WALL BASE, AND ALL FLOOR FINISHES). CONTRACTOR TO COORDINATE QUANTITY WITH OWNER AND SALVAGE SEVERAL EXISTING WOOD PLANKS AS MEMORABILIA TO RETURN TO THE OWNER. EXCAVATE SUBFLOOR MATERIAL AS REQUIRED FOR INSTALLATION OF NEW FLOOR SLAB TO MATCH MAIN CAFETERIA F.F.E.
- D18 COMPLETELY REMOVE MULTI-TIER SUSPENDED ACOUSTICAL CEILING SYSTEM (INCLUDING, BUT NOT LIMITED TO: GRID, PANELS, AND ASSOCIATED INTERMEDIATE STRUCTURAL SUPPORT MEMBERS (IF PROVIDED EXCLUSIVELY TO SUPPORT THE REMOVED CEILING SYSTEM)). SEE ELECTRICAL FOR ADDITIONAL WORK.
- D19 COMPLETELY REMOVE PORTION OF CMU WALL AS REQUIRED FOR THE INSTALLATION OF NEW DOOR AND FRAME; REFER TO DRAWINGS A101 AND A801 FOR OPENING SIZE. PREP FOR NEW CONSTRUCTION.
- D20 COMPLETELY REMOVE PORTION OF CONCRETE AND/OR CMU WALL AS REQUIRED FOR THE INSTALLATION OF NEW WINDOW; REFER TO DRAWINGS A101 AND A801 FOR OPENING SIZE. PREP FOR NEW CONSTRUCTION.
- D21 COMPLETELY REMOVE OVERHEAD COILING DOOR, FRAME/TRACK ASSEMBLY, AND HOOD ENCLOSURE IN THEIR ENTIRETY. PREP FOR NEW CONSTRUCTION.
- D22 COMPLETELY REMOVE SEMI-RECESSED FIRE EXTINGUISHER CABINET.
- D23 CAREFULLY REMOVE EXISTING WALL MOUNTED FIRE EXTINGUISHER; SALVAGE AND REINSTALL. SEE EQUIPMENT PLAN FOR NEW LOCATION.
- D24 REMOVE ALL WALL BASE AND ADHESIVE FROM ENTIRE ROOM. PREP FOR NEW WALL FINISHES.



Key Plan
No Scale

NOTE: THIS DRAWING IS INTENDED TO BE PLOTTED IN COLOR. IF THIS NOTE DOES NOT APPEAR IN COLOR, IT IS PLOTTED INCORRECTLY. DISCARD AND OBTAIN AN ACCURATE DRAWING

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NOTE: CONTRACTOR TO CAREFULLY REMOVE AND SALVAGE EXISTING BRICK VENEER OF A SUFFICIENT QUANTITY AS REQUIRED TO INFILL OPENINGS AT REMOVED DOOR & FRAME IN VESTIBULE 145 AND EXTERIOR LOUVERS. REFER TO A101 DRAWING FOR LOCATIONS. REMAINDER OF BRICK TO BE DISPOSED OFFSITE.

NOTE: REFER TO DRAWING K001 FOR DEMOLITION OF EQUIPMENT WITHIN THE KITCHEN.

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Architecture - Engineering - Interiors
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ARCHITECT D. GRANT PINKSTER
ART10300091
STATE OF INDIANA
REGISTERED ARCHITECT

ISSUED FOR _____ DATE _____
Public Bidding Addendum No. 2 04-03-2024 04-22-2024

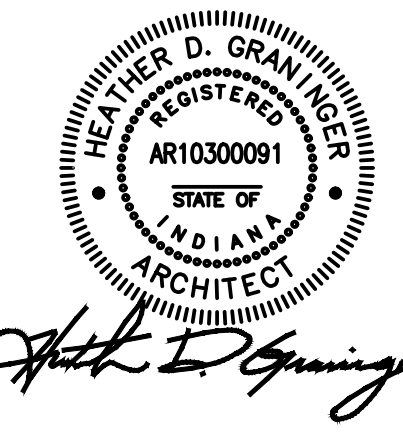
PROJECT TITLE
NORTH HARRISON ELEMENTARY SCHOOL
2024 ADDITION AND RENOVATIONS

OWNER
NORTH HARRISON COMMUNITY SCHOOLS
1115 W WHISKEY RUN RD. NW
RAMSEY, INDIANA 47166

SHEET TITLE
ARCHITECTURAL DEMOLITION PLAN

DATE
APRIL 3, 2024

SHEET NUMBER
A 001
23-228.001



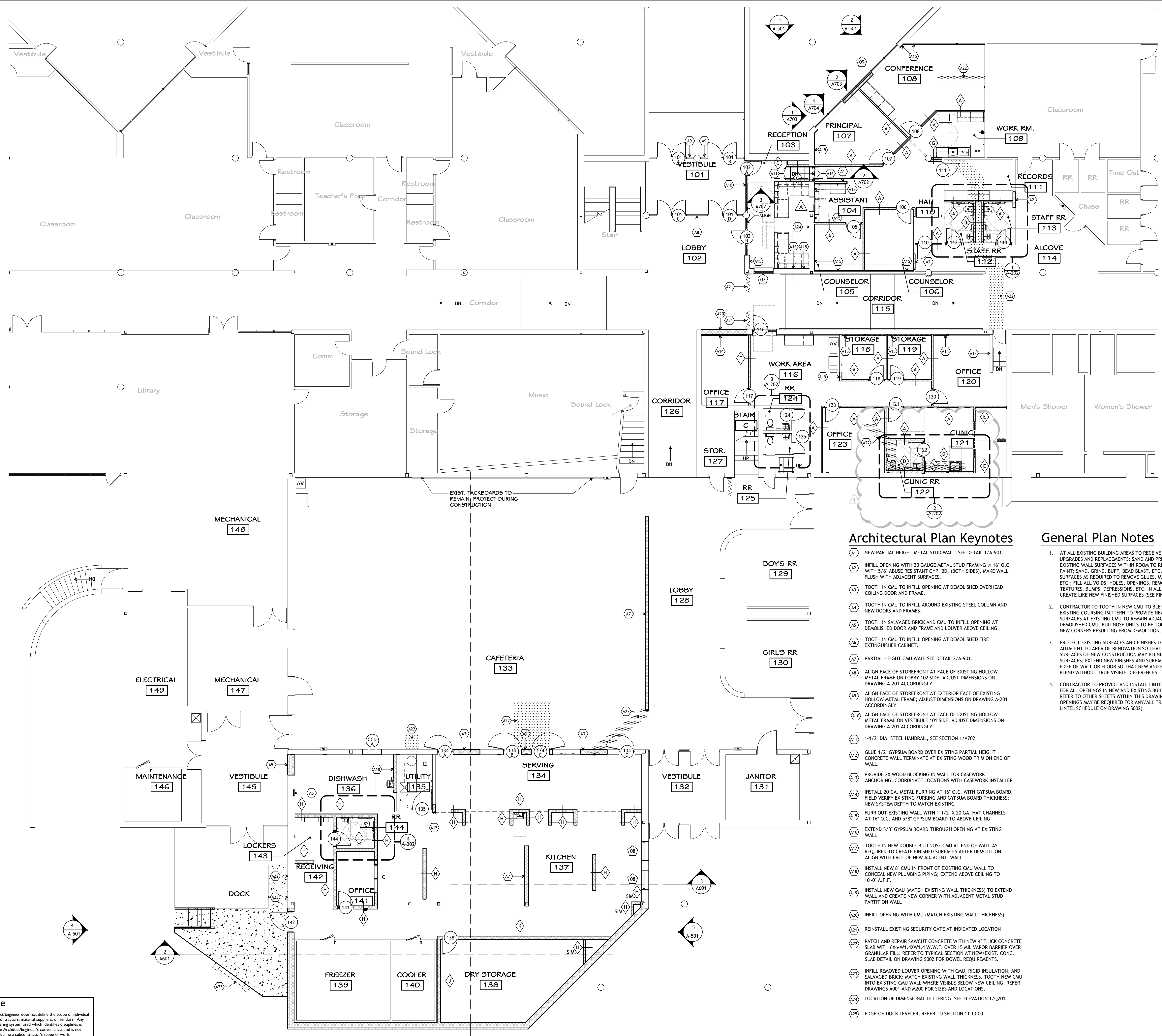
ISSUED FOR: Public Bidding Addendum No. 2
DATE: 04-03-2024 / 04-22-2024

PROJECT TITLE
**NORTH HARRISON
ELEMENTARY SCHOOL**
2024 ADDITION AND
RENOVATIONS

OWNER
**NORTH HARRISON
COMMUNITY SCHOOLS**
1115 W WHISKEY RUN RD. NW
RAMSEY, INDIANA 47166

SHEET TITLE
ARCHITECTURAL PLAN

DATE
APRIL 3, 2024
SHEET NUMBER
A 101
23-228.001



Architectural Plan Keynotes

- A1 NEW PARTIAL HEIGHT METAL STUD WALL. SEE DETAIL 1/A-901.
- A2 INFILL OPENING WITH 20 GAUGE METAL STUD FRAMING @ 16" O.C. WITH 5/8" ABUSE RESISTANT GYP. BD. (BOTH SIDES). MAKE WALL SURFACES AS REQUIRED TO REMOVE GLUES, MASTICS, CURBINGS, ETC.; FILL ALL VOIDS, HOLES, OPENINGS, REMOVE ALL TEXTURES, BUMPS, DEPRESSIONS, ETC. IN ALL SURFACES TO CREATE LIKE NEW FINISHED SURFACES (SEE FINISH PLANS).
- A3 TOOTH IN CMU TO INFILL OPENING AT DEMOLISHED OVERHEAD COILING DOOR AND FRAME.
- A4 TOOTH IN CMU TO INFILL AROUND EXISTING STEEL COLUMN AND NEW DOORS AND FRAMES.
- A5 TOOTH IN SALVAGED BRICK AND CMU TO INFILL OPENING AT DEMOLISHED DOOR AND FRAME AND LOUVER ABOVE CEILING.
- A6 TOOTH IN CMU TO INFILL OPENING AT DEMOLISHED FIRE EXTINGUISHER CABINET.
- A7 PARTIAL HEIGHT CMU WALL SEE DETAIL 2/A-901.
- A8 ALIGN FACE OF STOREFRONT AT FACE OF EXISTING HOLLOW METAL FRAME ON LOBBY 102 SIDE; ADJUST DIMENSIONS ON DRAWING A-201 ACCORDINGLY.
- A9 ALIGN FACE OF STOREFRONT AT EXTERIOR FACE OF EXISTING HOLLOW METAL FRAME; ADJUST DIMENSIONS ON DRAWING A-201 ACCORDINGLY.
- A10 ALIGN FACE OF STOREFRONT AT FACE OF EXISTING HOLLOW METAL FRAME ON VESTIBULE 101 SIDE; ADJUST DIMENSIONS ON DRAWING A-201 ACCORDINGLY.
- A11 1-1/2" DIA. STEEL HANDRAIL, SEE SECTION 1/A702
- A12 GLUE 1/2" GYPSUM BOARD OVER EXISTING PARTIAL HEIGHT CONCRETE WALL TERMINATE AT EXISTING WOOD TRIM ON END OF WALL.
- A13 PROVIDE 2X WOOD BLOCKING IN WALL FOR CASEWORK ANCHORING; COORDINATE LOCATIONS WITH CASEWORK INSTALLER
- A14 INSTALL 20 GA. METAL FURRING AT 16" O.C. WITH GYPSUM BOARD. FIELD VERIFY EXISTING FURRING AND GYPSUM BOARD THICKNESS; NEW SYSTEM DEPTH TO MATCH EXISTING
- A15 FURR OUT EXISTING WALL WITH 1-1/2" X 20 GA. HAT CHANNELS AT 16" O.C. AND 5/8" GYPSUM BOARD TO ABOVE CEILING
- A16 EXTEND 5/8" GYPSUM BOARD THROUGH OPENING AT EXISTING WALL
- A17 TOOTH IN NEW DOUBLE BULLNOSE CMU AT END OF WALL AS REQUIRED TO CREATE FINISHED SURFACES AFTER DEMOLITION. ALIGN WITH FACE OF NEW ADJACENT WALL
- A18 INSTALL NEW 8" CMU IN FRONT OF EXISTING CMU WALL TO CONICAL NEW PLUMBING PIPING; EXTEND ABOVE CEILING TO 10'-0" A.F.F.
- A19 INSTALL NEW CMU (MATCH EXISTING WALL THICKNESS) TO EXTEND WALL AND CREATE NEW CORNER WITH ADJACENT METAL STUD PARTITION WALL
- A20 INFILL OPENING WITH CMU (MATCH EXISTING WALL THICKNESS)
- A21 REINSTALL EXISTING SECURITY GATE AT INDICATED LOCATION
- A22 PATCH AND REPAIR SAWCUT CONCRETE WITH NEW 4" THICK CONCRETE SLAB WITH 6X6-W1.4XW1.4 W.W.F. OVER 15 MIL VAPOR BARRIER OVER GRANULAR FILL. REFER TO TYPICAL SECTION AT NEW/EXIST. CONC. SLAB DETAIL ON DRAWING 5002 FOR DOWEL REQUIREMENTS.
- A23 INFILL REMOVED LOUVER OPENING WITH CMU, RIGID INSULATION, AND SALVAGED BRICK; MATCH EXISTING WALL THICKNESS. TOOTH NEW CMU INTO EXISTING CMU WALL WHERE VISIBLE BELOW NEW CEILING. REFER DRAWINGS A001 AND A200 FOR SIZES AND LOCATIONS.
- A24 LOCATION OF DIMENSIONAL LETTERING. SEE ELEVATION 1/Q201.
- A25 EDGE-OF-DOCK LEVELER, REFER TO SECTION 11 13.00.

General Plan Notes

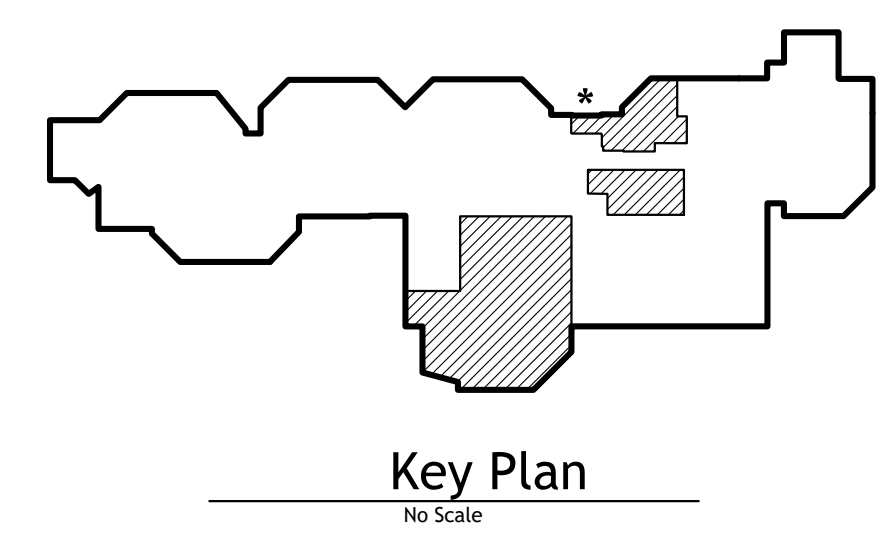
1. AT ALL EXISTING BUILDING AREAS TO RECEIVE MAJOR FINISHES UPGRADES AND REPLACEMENTS: SAND AND PREP SMOOTH ALL EXISTING WALL SURFACES WITHIN ROOM TO RECEIVE NEW FINISH PAINT; SAND, GRIND, BUFF, BEAD BLAST, ETC. ALL FLOOR SURFACES AS REQUIRED TO REMOVE GLUES, MASTICS, CURBINGS, ETC.; FILL ALL VOIDS, HOLES, OPENINGS, REMOVE ALL TEXTURES, BUMPS, DEPRESSIONS, ETC. IN ALL SURFACES TO CREATE LIKE NEW FINISHED SURFACES (SEE FINISH PLANS).
2. CONTRACTOR TO TOOTH IN NEW CMU TO BLEND IN WITH EXISTING COURSING PATTERN TO PROVIDE NEW FINISHED SURFACES AT EXISTING CMU TO REMAIN ADJACENT TO DEMOLISHED CMU. BULLNOSE UNITS TO BE TOOTHED IN AT ALL NEW CORNERS RESULTING FROM DEMOLITION.
3. PROTECT EXISTING SURFACES AND FINISHES TO REMAIN ADJACENT TO AREA OF RENOVATION SO THAT NEW FINISHES AND SURFACES OF NEW CONSTRUCTION MAY BLEND INTO EXISTING SURFACES; EXTEND NEW FINISHES AND SURFACES TO CORNER OR EDGE OF WALL OR FLOOR SO THAT NEW AND EXISTING MAY BLEND WITHOUT TRUE VISIBLE DIFFERENCES.
4. CONTRACTOR TO PROVIDE AND INSTALL LINTELS AS REQUIRED FOR ALL OPENINGS IN NEW AND EXISTING BUILDING WALLS. REFER TO OTHER SHEETS WITHIN THIS DRAWING SET WHERE OPENINGS MAY BE REQUIRED FOR ANY/ALL TRADES. (SEE MISC. LINTEL SCHEDULE ON DRAWING 5002)

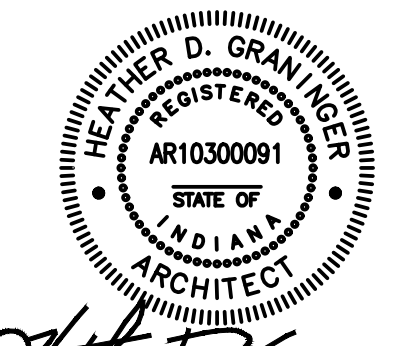
Symbol Legend

- XX DOOR IDENTIFICATION- (SEE DOOR SCHEDULE ON SHEET A-801)
- XX ALUMINUM FRAME IDENTIFICATION- (SEE ELEVATIONS ON SHEET A-801)
- X HOLLOW METAL FRAME IDENTIFICATION- (SEE ELEVATIONS ON SHEET A-801)
- △ SLIDING WINDOW IDENTIFICATION- (SEE ELEVATIONS ON SHEET A-801)
- X PLAN KEYNOTE- (SEE NOTES INDICATED ON EACH SHEET)
- ◇ PARTITION WALL TYPE- (ALL WALLS NOT INDICATED AS PARTITIONS ARE FULL HEIGHT BEARING WALLS; SEE SECTIONS FOR CONDITIONS (SEE DETAILS ON SHEET A-901))
- X ENLARGED PLAN MARKER- (ABOVE - DETAIL NUMBER BELOW - SHEET REFERENCE)
- X COLUMN CENTERLINE
- △ BUILDING LINE
- ◇ SECTION CUT MARKER- (ABOVE - DETAIL NUMBER BELOW - SHEET REFERENCE)
- X ELEVATION MARKER- (ABOVE - DETAIL NUMBER BELOW - SHEET REFERENCE)
- X ELEVATION MARKER- (LETTER - DETAIL REFERENCE CENTER - SHEET REFERENCE)
- XXXXXXXXX ROOM IDENTIFICATION- (ABOVE - ROOM NAME BELOW - ARCHITECTURAL ROOM NUMBER)
- X-XXX

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ARCHITECTURAL PLAN
1/8" = 1'-0"





ISSUED FOR DATE
Public Bidding Addendum No. 2 04-03-2024
04-22-2024

PROJECT TITLE
**NORTH HARRISON
ELEMENTARY SCHOOL**

OWNER
**NORTH HARRISON
COMMUNITY SCHOOLS**

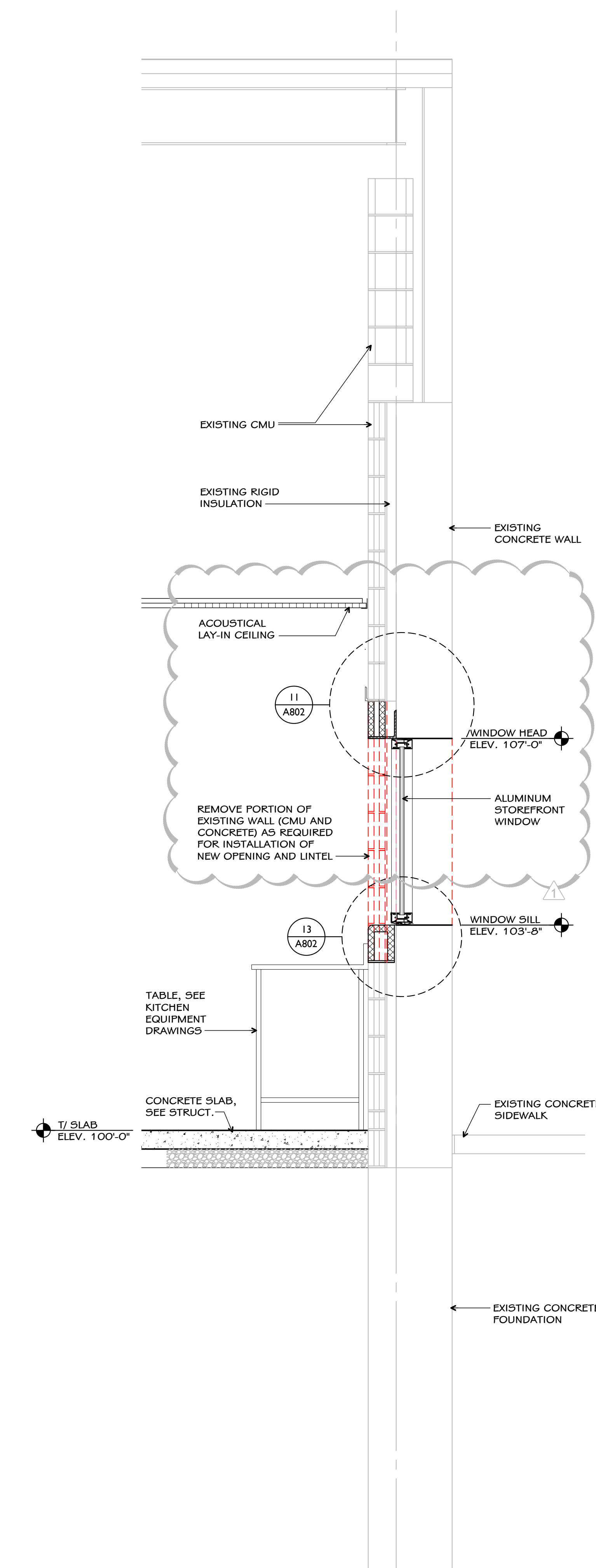
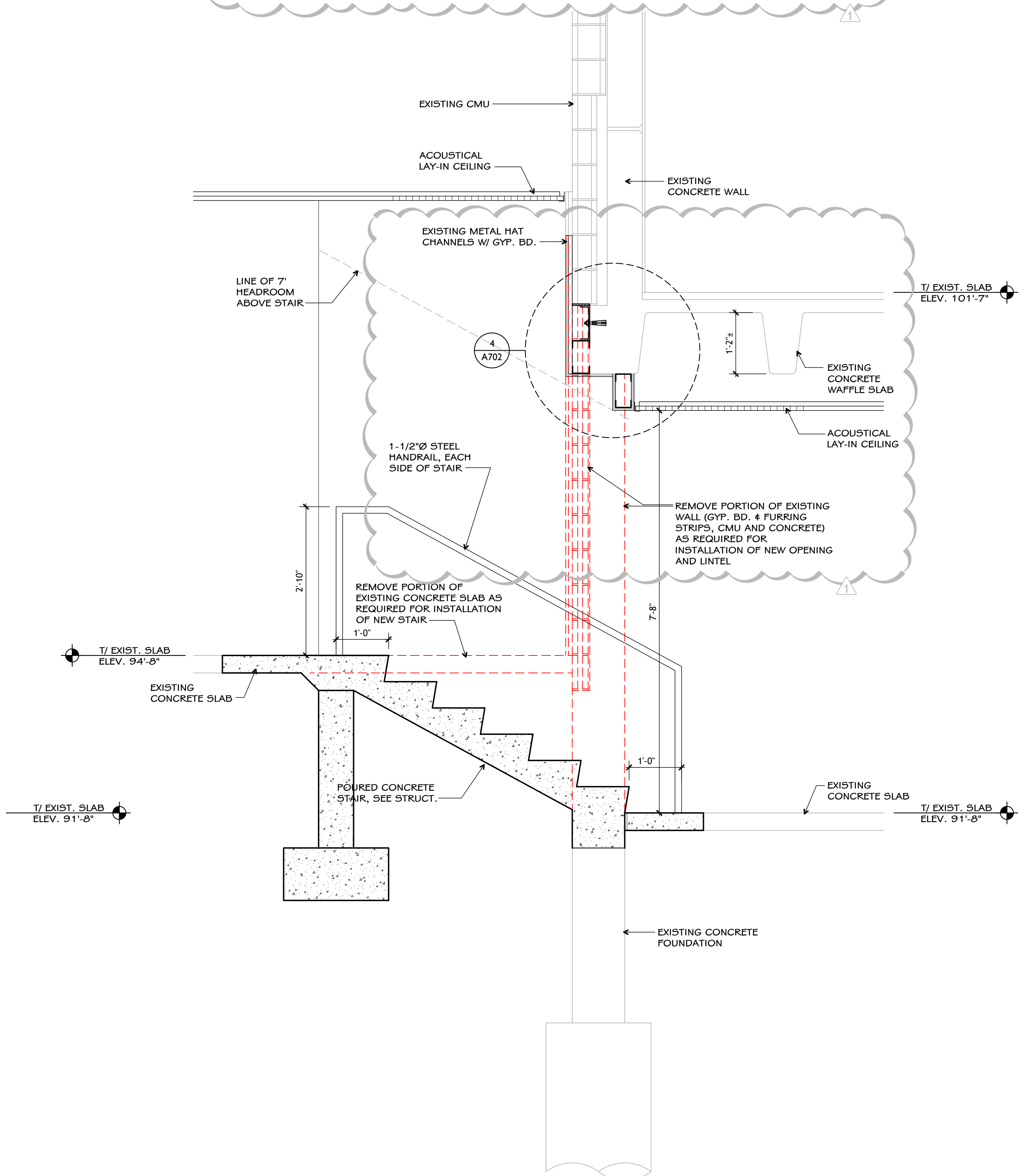
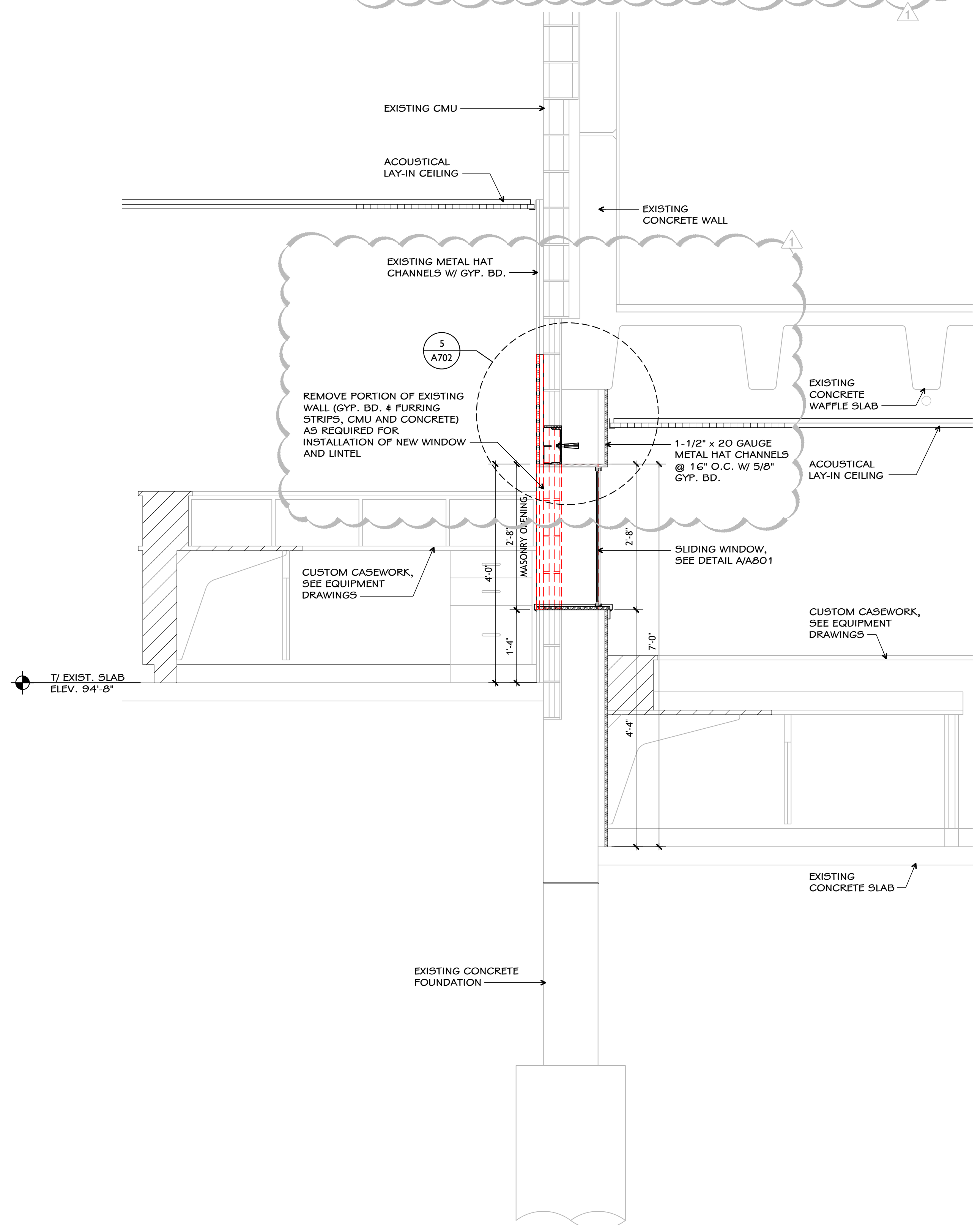
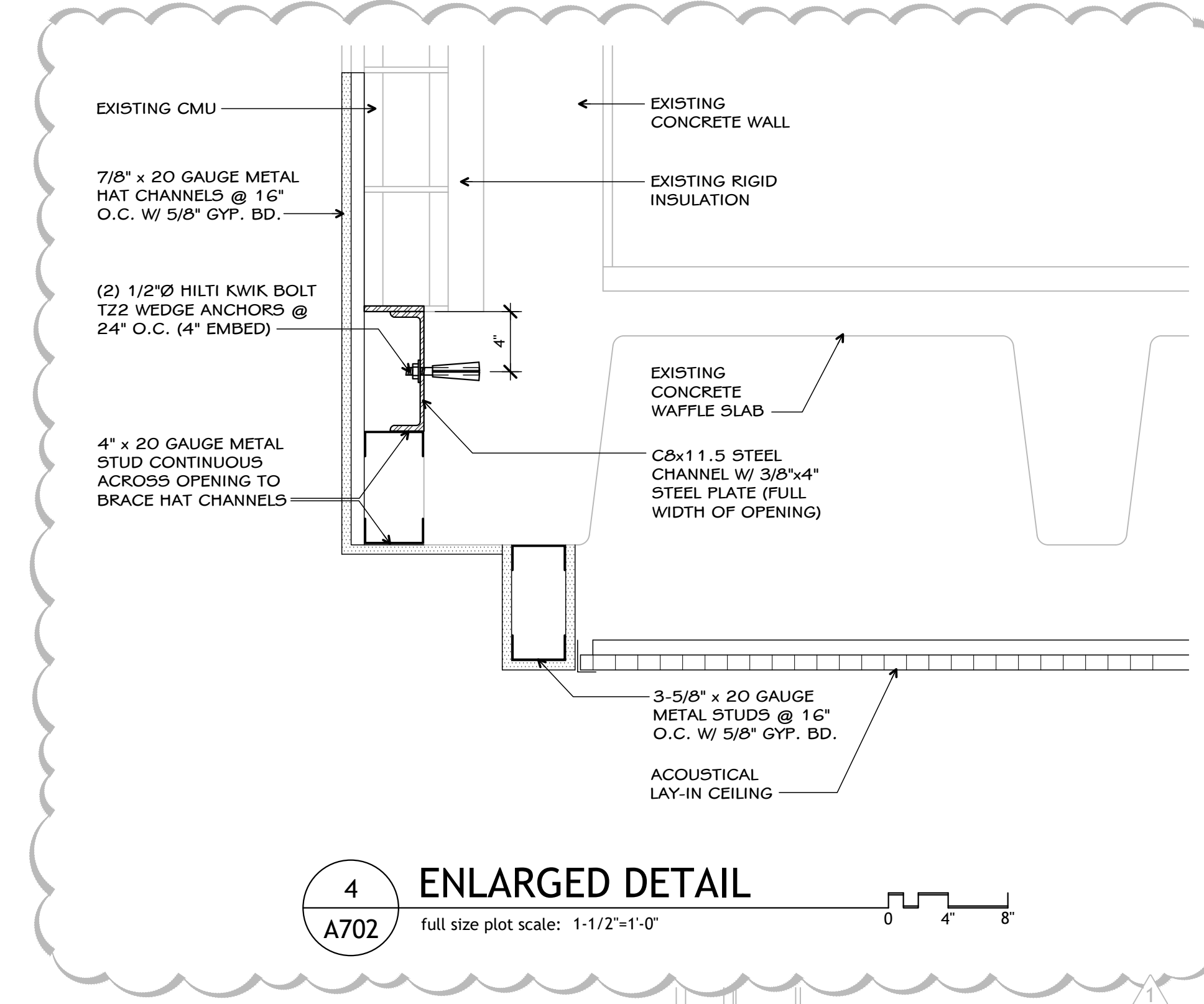
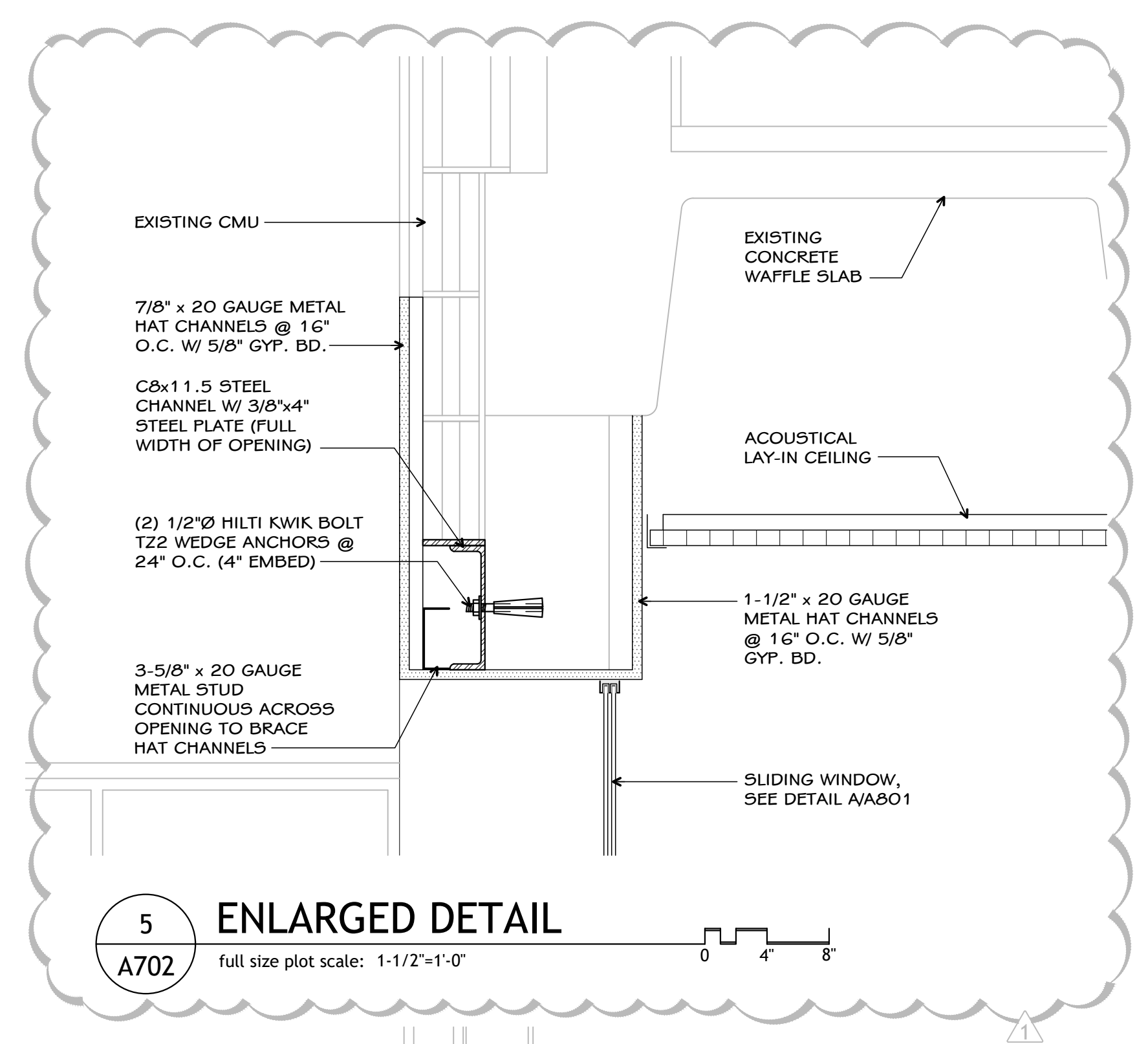
SHEET TITLE
WALL SECTIONS

2024 ADDITION AND
RENOVATIONS

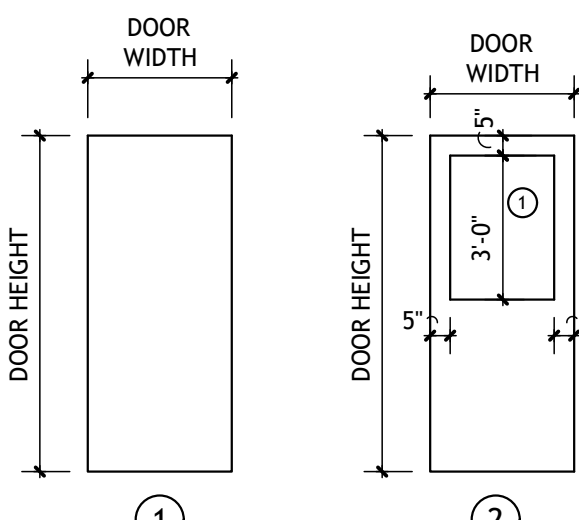
1115 W WHISKEY RUN RD. NW
RAMSEY, INDIANA 47166

DATE
APRIL 3, 2024

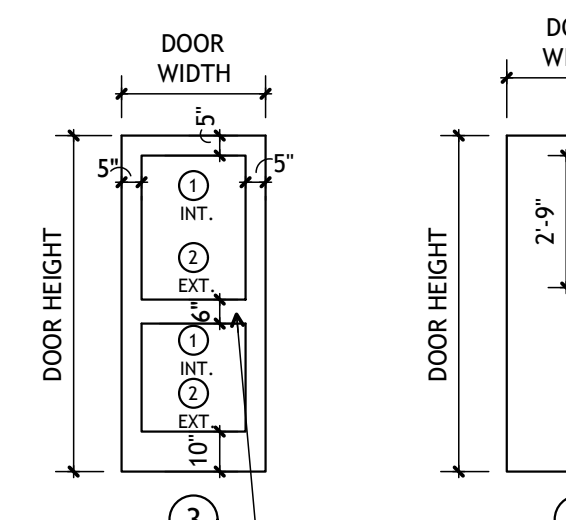
SHEET NUMBER
A 702
23-228.001



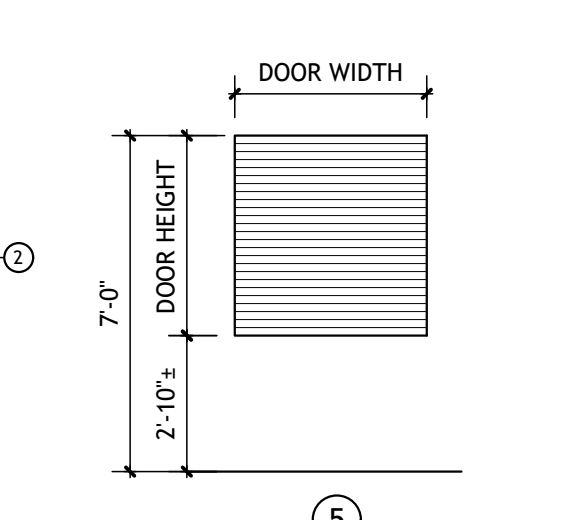
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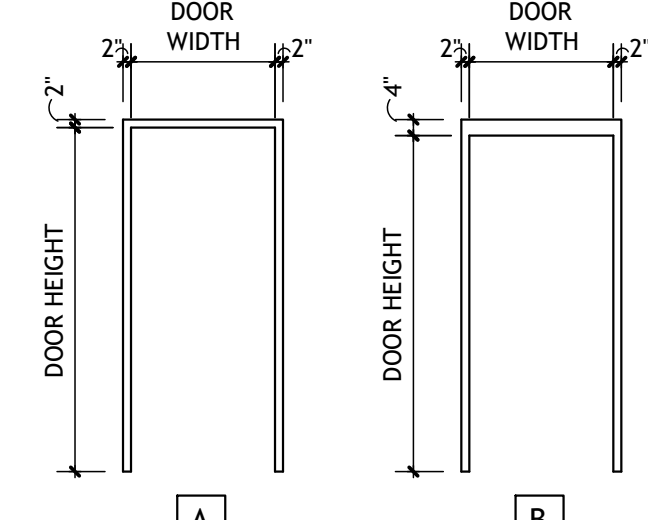
Door Elevation 1
SCALE: 1/4" = 1'-0"



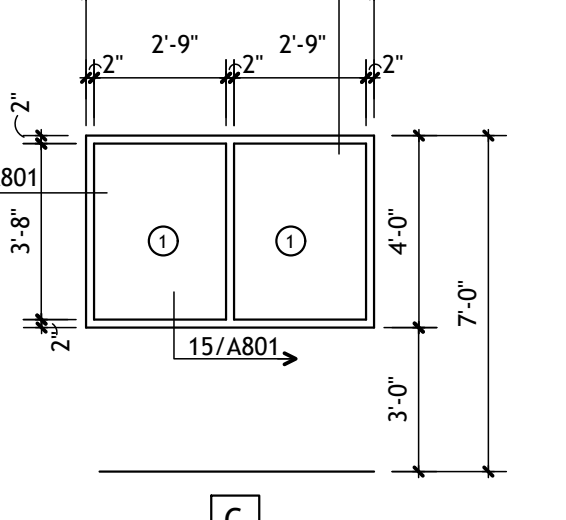
Door Elevation 2
SCALE: 1/4" = 1'-0"



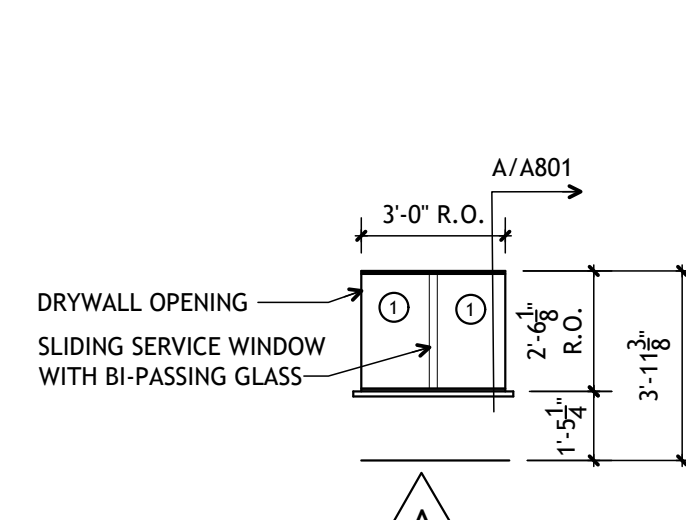
Door Elevation 3
SCALE: 1/4" = 1'-0"



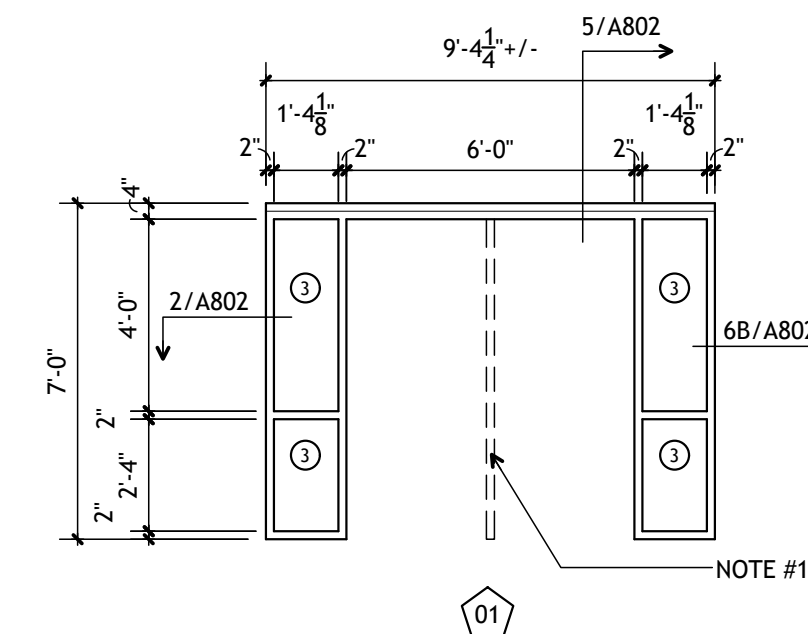
Hollow Metal Frame Elevation A
SCALE: 1/4" = 1'-0"



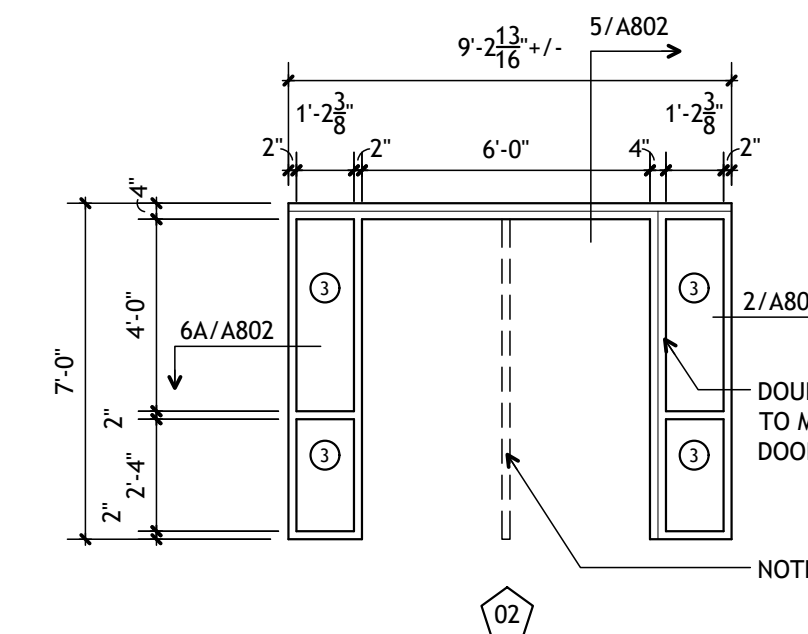
Hollow Metal Frame Elevation B
SCALE: 1/4" = 1'-0"



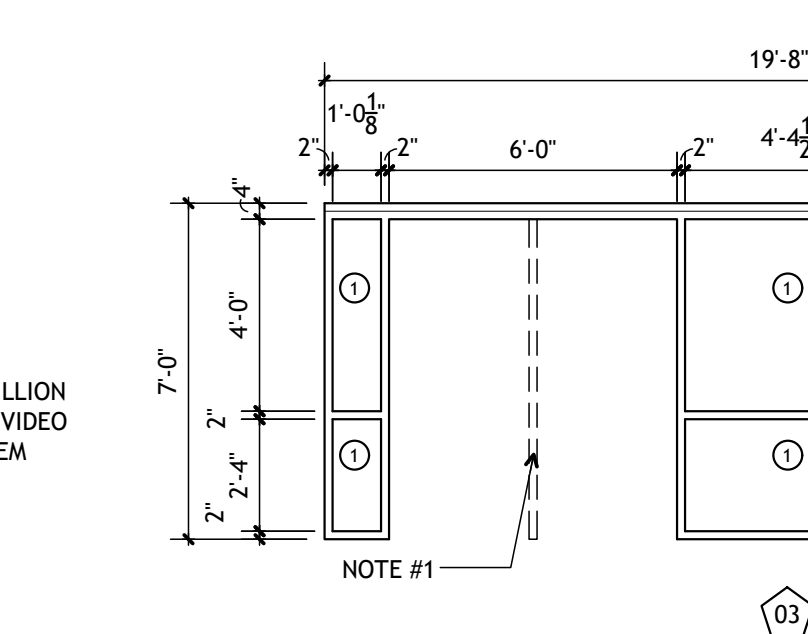
Sliding Window Elevation A
SCALE: 1/4" = 1'-0"



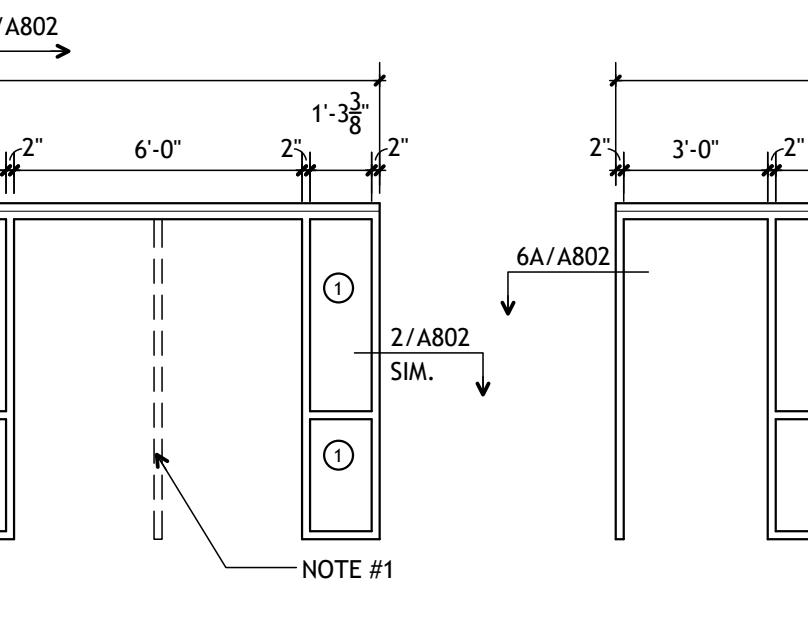
Aluminum Storefront Frame Elevation 01
SCALE: 1/4" = 1'-0"



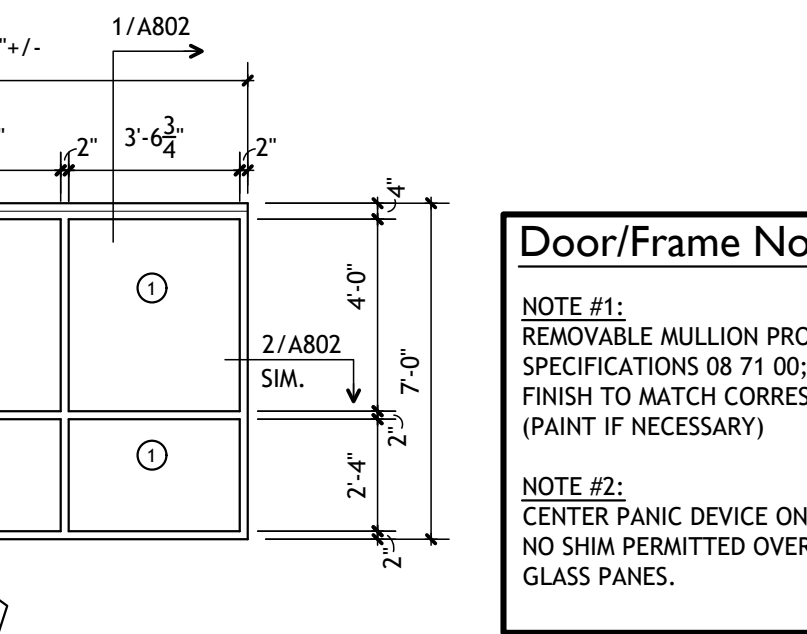
Aluminum Storefront Frame Elevation 02
SCALE: 1/4" = 1'-0"



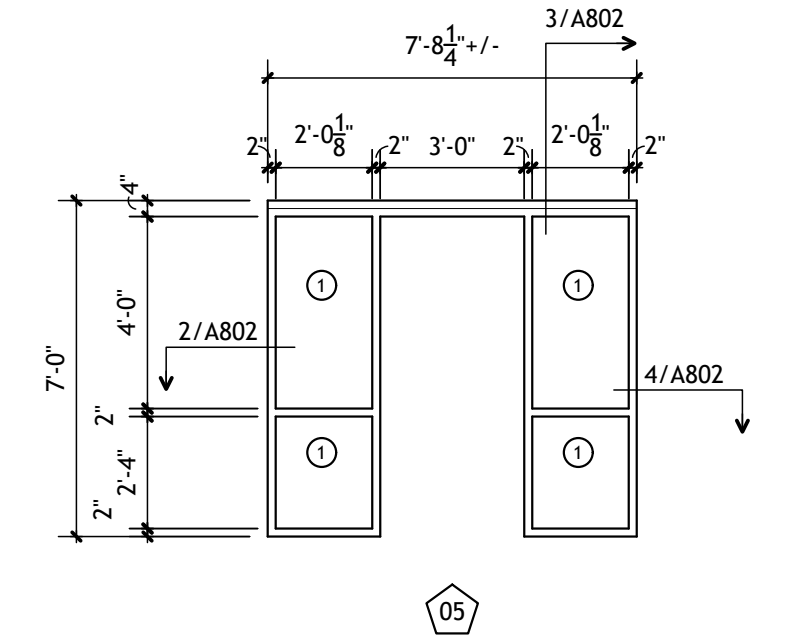
Aluminum Storefront Frame Elevation 03
SCALE: 1/4" = 1'-0"



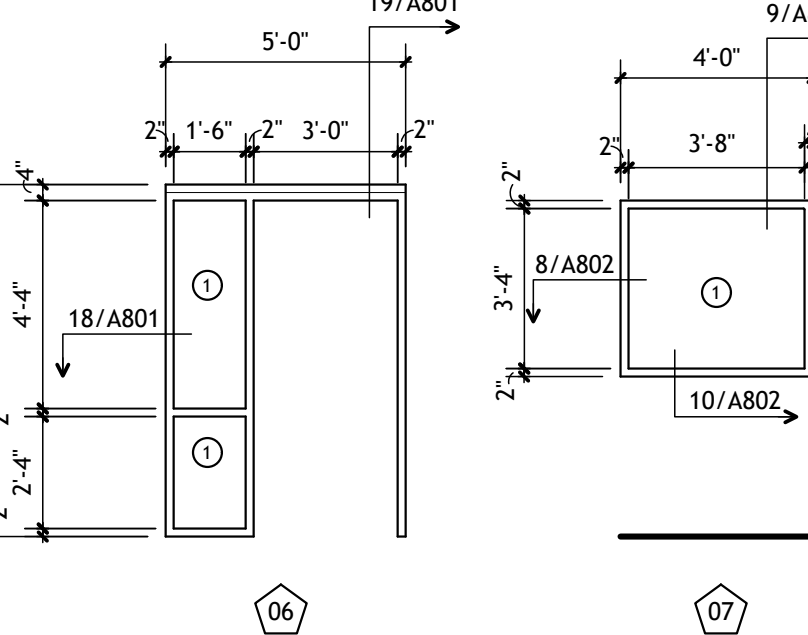
Aluminum Storefront Frame Elevation 04
SCALE: 1/4" = 1'-0"



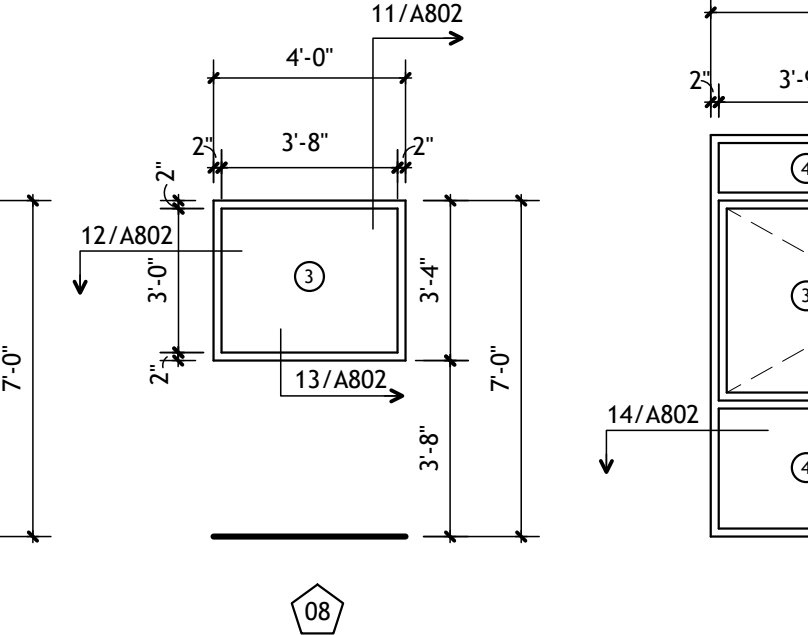
Aluminum Storefront Frame Elevation 05
SCALE: 1/4" = 1'-0"



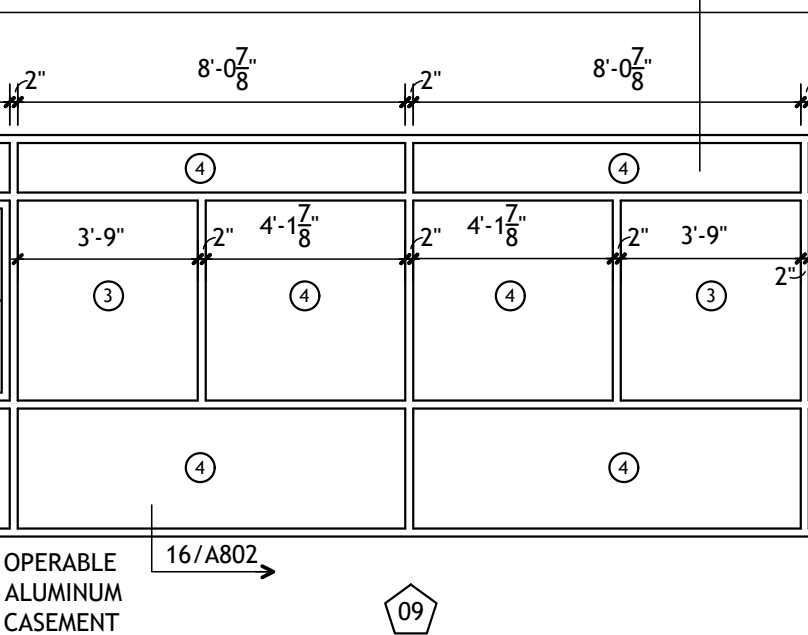
Aluminum Storefront Frame Elevation 06
SCALE: 1/4" = 1'-0"



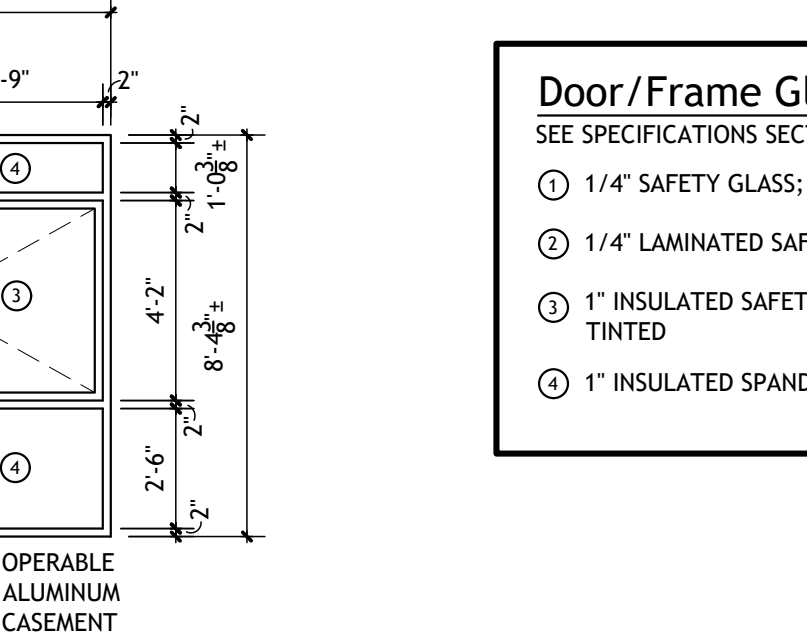
Aluminum Storefront Frame Elevation 07
SCALE: 1/4" = 1'-0"



Aluminum Storefront Frame Elevation 08
SCALE: 1/4" = 1'-0"



Aluminum Storefront Frame Elevation 09
SCALE: 1/4" = 1'-0"



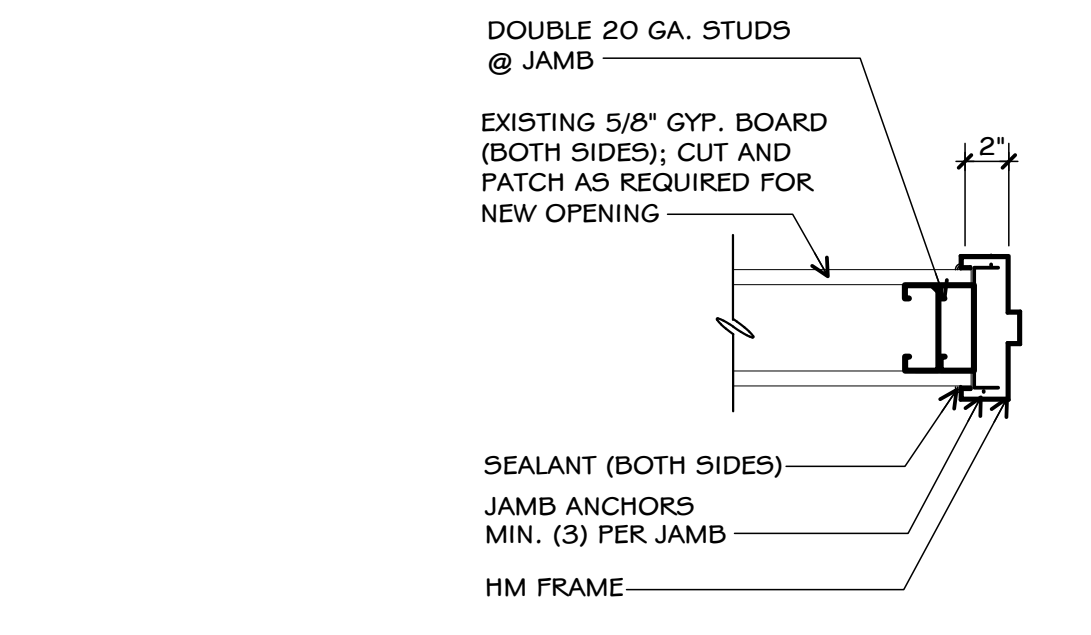
Aluminum Storefront Frame Elevation 10
SCALE: 1/4" = 1'-0"

Door and Frame Schedule													
IDEN.	DOORS				FRAMES				H.W.R. SET #	REMARKS			
	SIZE (W X H X T)	MATERIAL	RATED	ELEV.	MATERIAL	HEAD	JAMB	LABEL					
101 A (PAIR)	3'-0" X 6'-8" X 1-3/4"	ALUMINUM		3	ALUMINUM	5/A802	2 G 6B/A802		01	1			
101 B (PAIR)	3'-0" X 6'-8" X 1-3/4"	ALUMINUM		3	ALUMINUM	5/A802	2 G 6A/A802		02	2	R1		
101 C (PAIR)	3'-0" X 6'-8" X 1-3/4"	ALUMINUM		3	ALUMINUM	7/A802	2/A802		03	6			
101 D (PAIR)	3'-0" X 6'-8" X 1-3/4"	ALUMINUM		3	ALUMINUM	7/A802	2/A802		03	4	R1		
103 A	3'-0" X 6'-8" X 1-3/4"	ALUMINUM		3	ALUMINUM	1/A802	2 G 6A/A802		04	7			
103 B	3'-0" X 6'-8" X 1-3/4"	ALUMINUM		3	ALUMINUM	3/A802	2 G 4/A802		05	8			
105	3'-0" X 6'-8" X 1-3/4"	S.C. WOOD		2	H. METAL	1/A801	2/A801		A	9			
106	3'-0" X 6'-8" X 1-3/4"	S.C. WOOD		2	H. METAL	1/A801	2/A801		A	10			
107	3'-0" X 6'-8" X 1-3/4"	S.C. WOOD		2	H. METAL	1/A801	2/A801		A	9			
108	3'-0" X 6'-8" X 1-3/4"	S.C. WOOD		2	H. METAL	1/A801	2/A801		A	11			
110	3'-0" X 6'-8" X 1-3/4"	S.C. WOOD		2	H. METAL	1/A801	2/A801		A	5	R1		
111	3'-0" X 6'-8" X 1-3/4"	S.C. WOOD		1	H. METAL	5/A801	6/A801		A	12			
112	3'-0" X 6'-8" X 1-3/4"	S.C. WOOD		1	H. METAL	5/A801	6/A801		A	13			
113	3'-0" X 6'-8" X 1-3/4"	S.C. WOOD		1	H. METAL	5/A801	6/A801		A	13			
116	3'-0" X 7'-0" X 1-3/4"	ALUMINUM		3	ALUMINUM	19/A801	18/A801		06	8			
117	3'-0" X 7'-0" X 1-3/4"	S.C. WOOD		2	H. METAL	1/A801	2/A801		A	9			
118	3'-0" X 7'-0" X 1-3/4"	S.C. WOOD		2	H. METAL	1/A801	2/A801		A	9			
119	3'-0" X 7'-0" X 1-3/4"	S.C. WOOD		2	H. METAL	1/A801	2/A801		A	9			
120	3'-0" X 7'-0" X 1-3/4"	S.C. WOOD		2	H. METAL	1/A801	2/A801		A	9			
121	3'-0" X 7'-0" X 1-3/4"	S.C. WOOD		2	H. METAL	1/A801	2/A801		A	12			
122	3'-0" X 7'-0" X 1-3/4"	S.C. WOOD		1	H. METAL	1/A801	2/A801		A	13			
123	3'-0" X 7'-0" X 1-3/4"	S.C. WOOD		2	H. METAL	1/A801	2/A801		A	9			
124	2'-4" X 7'-0" X 1-3/4"	S.C. WOOD		1	EX. H. METAL					13			
125	2'-4" X 7'-0" X 1-3/4"	S.C. WOOD		1	EX. H. METAL					13			
134 A	3'-0" X 6'-8" X 1-3/4"	S.C. WOOD		1	H. METAL	7/A801	8/A801		B	12			
134 B	3'-0" X 6'-8" X 1-3/4"	S.C. WOOD		1	H. METAL	7/A801	8/A801		B	12			
134 C	3'-0" X 6'-8" X 1-3/4"	S.C. WOOD		1	H. METAL	7/A801	8/A801		B	12			
134 D	3'-0" X 6'-8" X 1-3/4"	S.C. WOOD		1	EX. H. METAL					12			
135	4'-0" X 6'-8" X 1-3/4"	S.C. WOOD		1	H. METAL	9/A801	10A8B/A801		B	15			
138	3'-0" X 6'-8" X 1-3/4"	S.C. WOOD		1	H. METAL	3/A801	4/A801		B	16			
141	3'-0" X 6'-8" X 1-3/4"	S.C. WOOD		2	H. METAL	3/A801	4/A801		B	17			
142	4'-0" X 6'-8" X 1-3/4"	INS. METAL		4	H. METAL	11/A801	12/A801		B	3	R1, R2		
144	3'-0" X 6'-8" X 1-3/4"	S.C. WOOD		1	H. METAL	3/A801	4/A801		B	13			

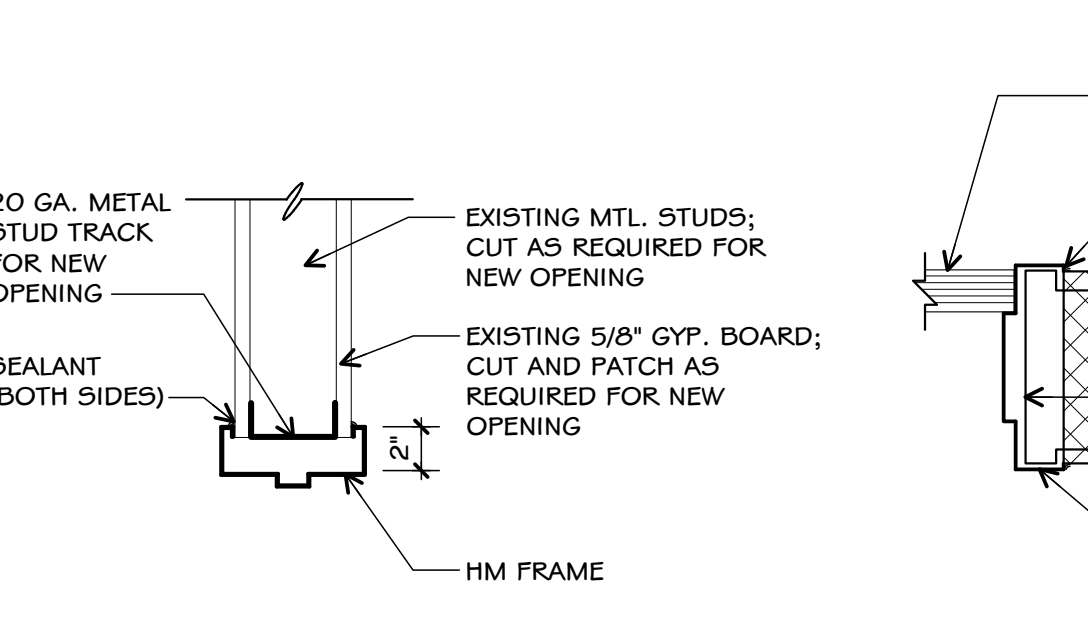
REMARKS NOTES:
R1. DOORS CONTAIN ACCESS CONTROL PROVISIONS. SEE A-802 FOR DOOR ACCESS RISER DIAGRAMS AND ELECTRICAL DRAWINGS FOR ADDITIONAL REQUIREMENTS.
R2. DOOR AND FRAME TO BE CONSTRUCTED USING GALVANEALD SHEETS.

Coiling Counter Door Schedule									
IDEN.	SIZE (W X H)	ELEV.	OPERATION	HEAD	JAMB	INSULATED	RATED	H.W.R. SET #	REMARKS
CCD A	4'-0" X 4'-2" +/- R.O.	5	MANUAL	17/A801	16/A801	NO	NO		VERIFY R.O. HEIGHT W/ KITCHEN EQPM. SUPPLIER

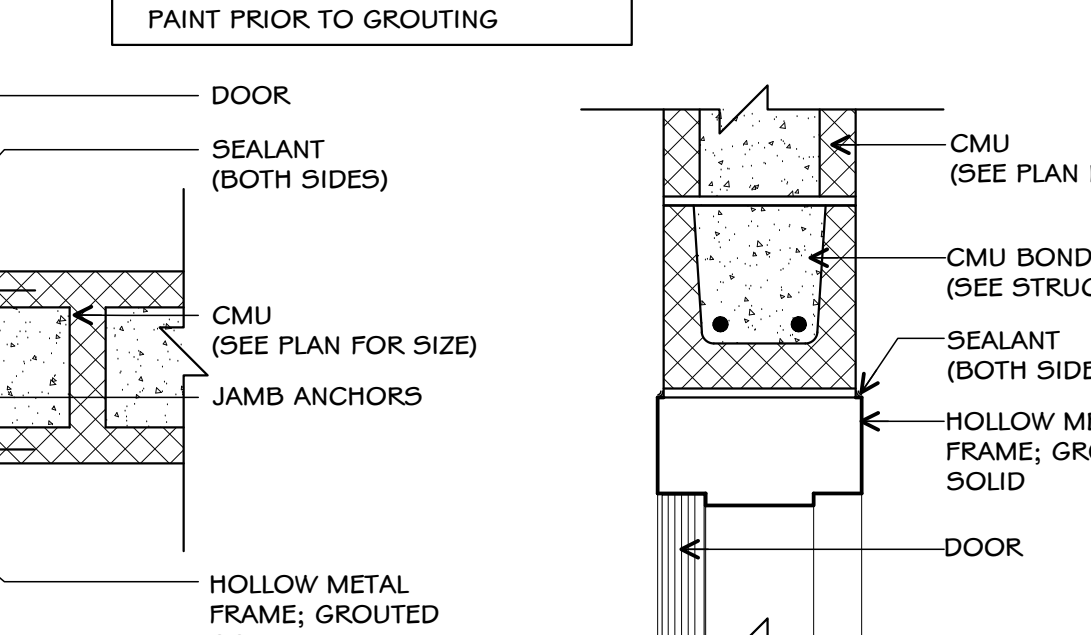
SEE SECTION 08 33 13.01 - COILING COUNTER DOOR FOR ADDITIONAL REQUIREMENTS.



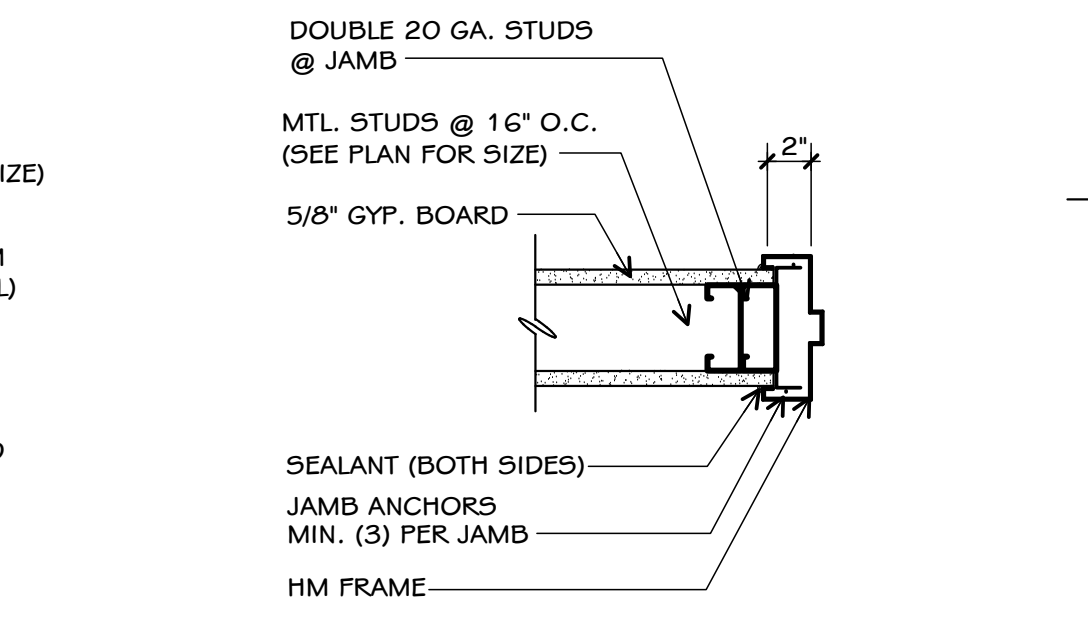
H.M. Door-Jamb 6
SCALE: 1-1/2" = 1'-0"



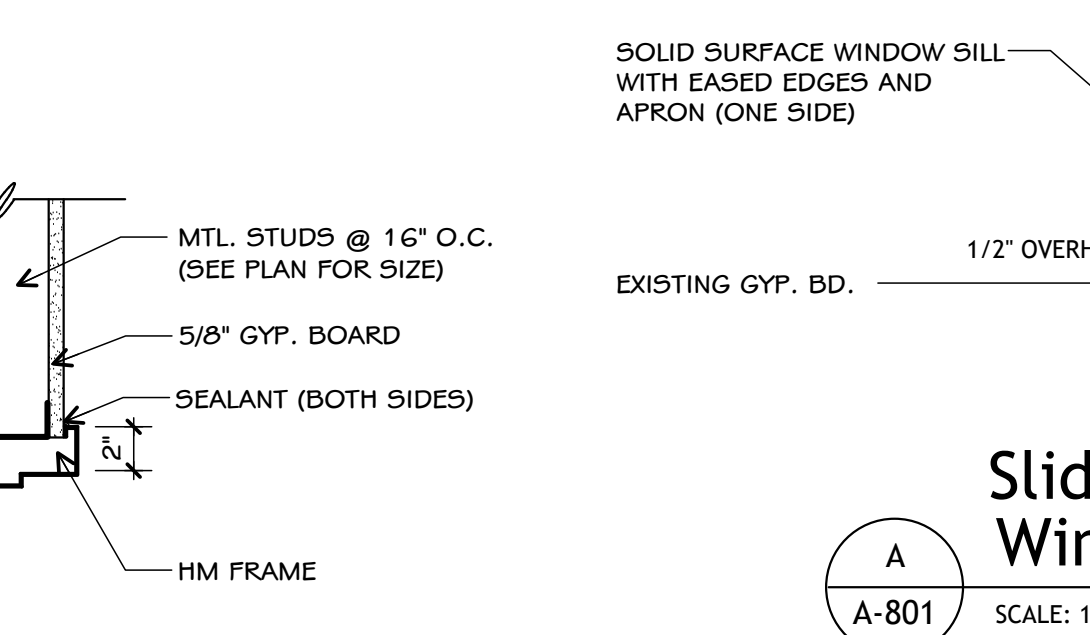
H.M. Door-Head 5
SCALE: 1-1/2" = 1'-0"



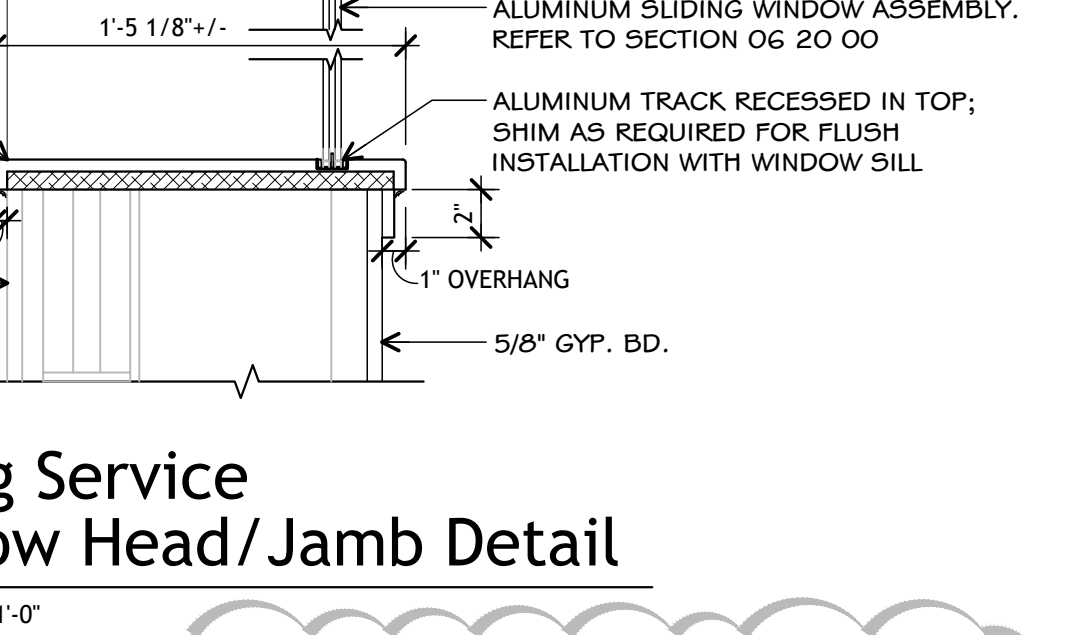
H.M. Door-Jamb 4
SCALE: 1-1/2" = 1'-0"



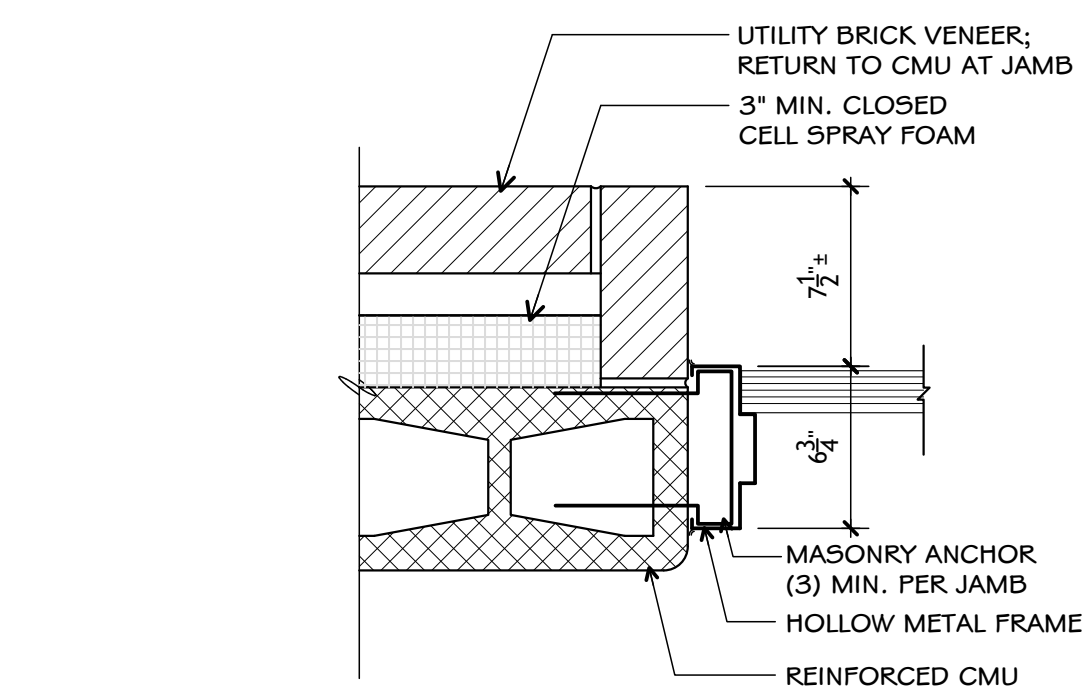
H.M. Door-Head 3
SCALE: 1-1/2" = 1'-0"



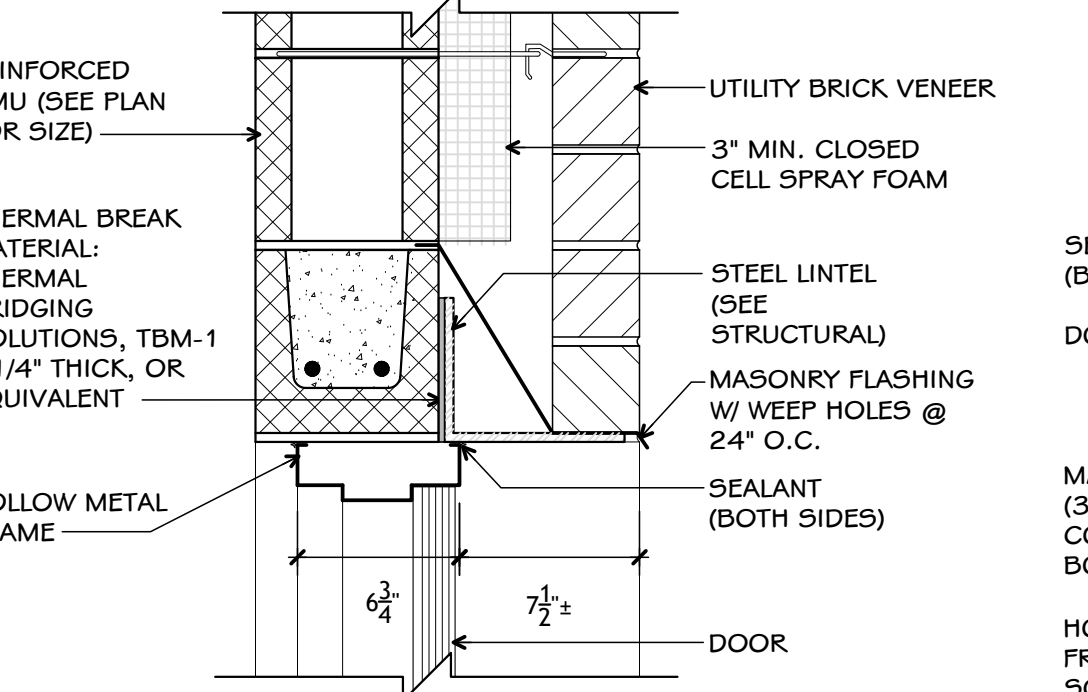
H.M. Door-Jamb 2
SCALE: 1-1/2" = 1'-0"



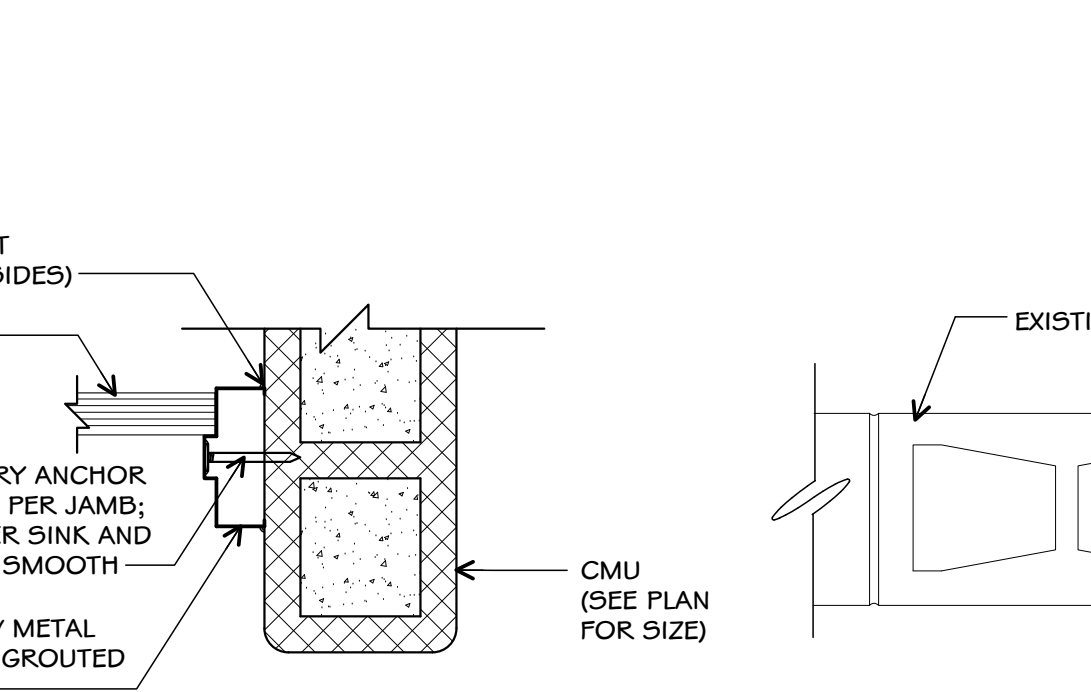
H.M. Door-Head 1
SCALE: 1-1/2" = 1'-0"



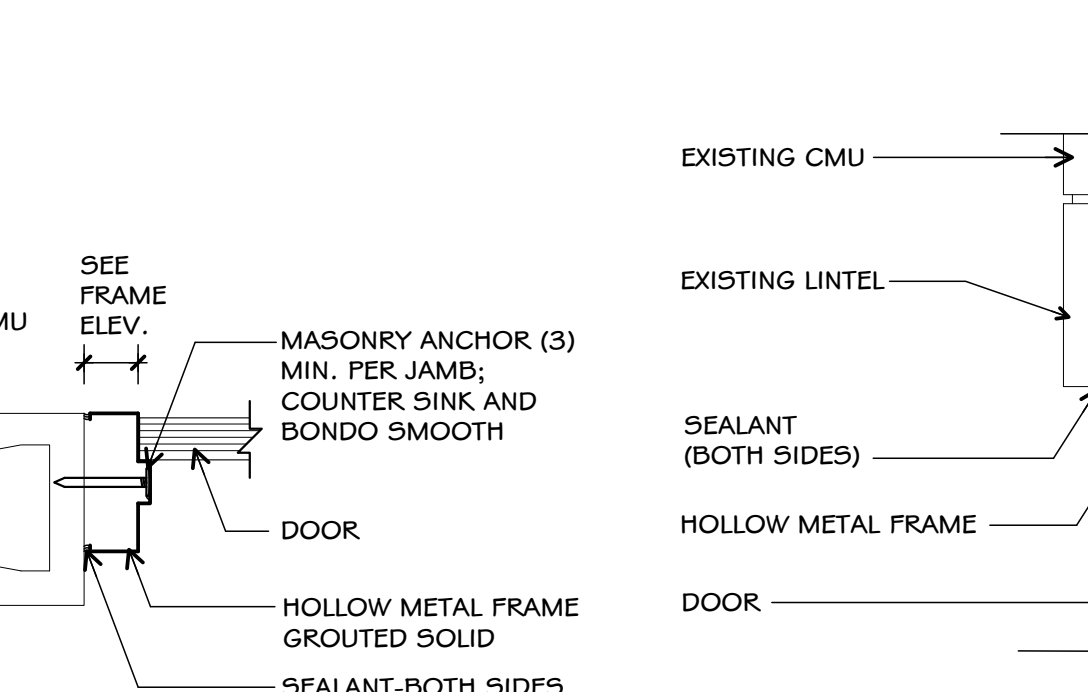
H.M. Door-Jamb 12
SCALE: 1-1/2" = 1'-0"



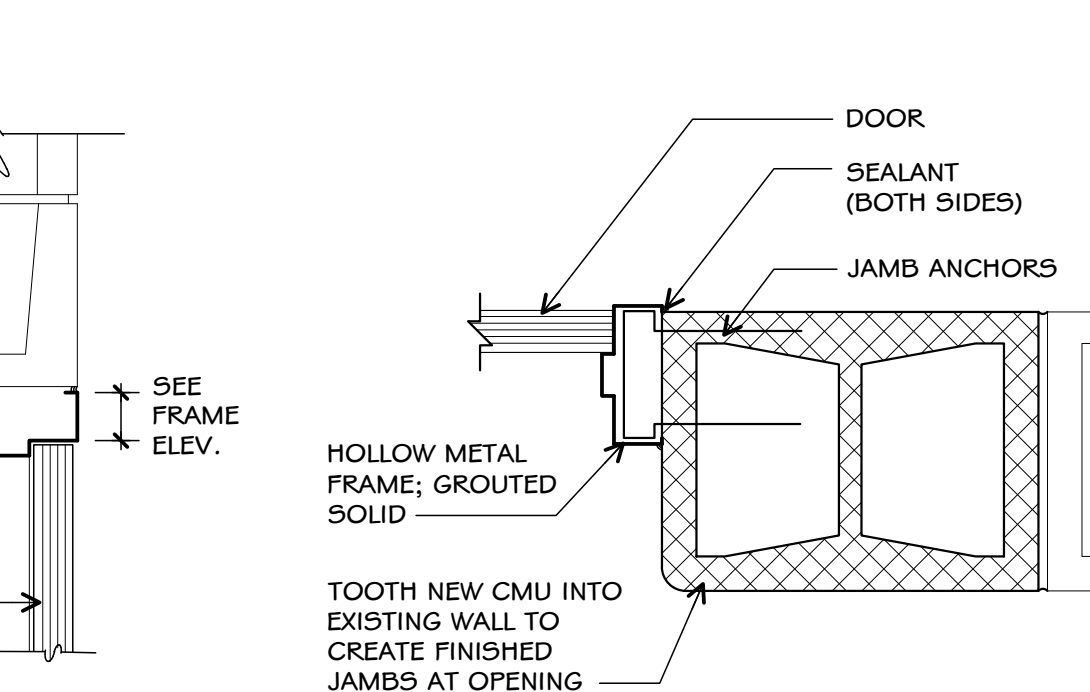
H.M. Door-Head 11
SCALE: 1-1/2" = 1'-0"



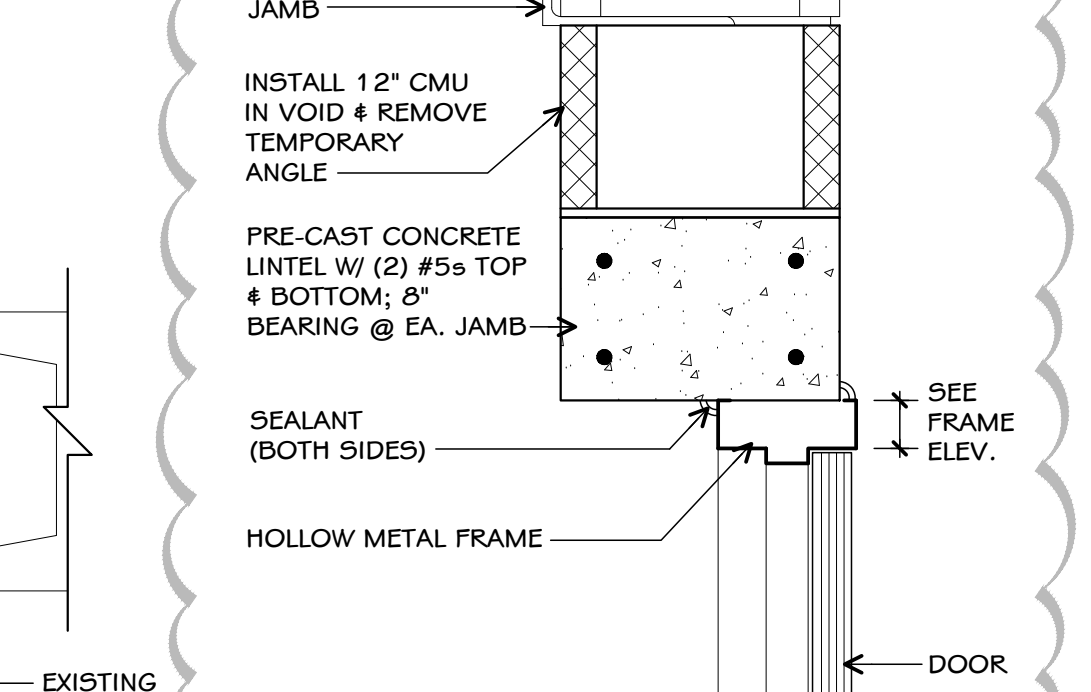
H.M. Door-Jamb 10B
SCALE: 1-1/2" = 1'-0"



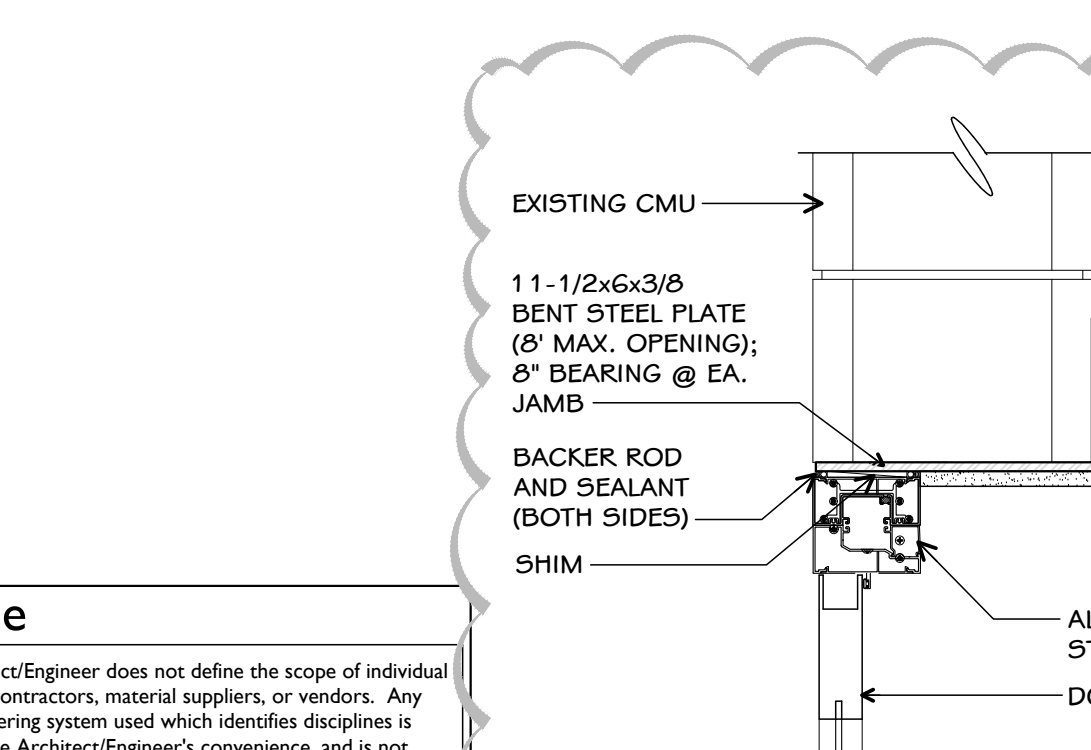
H.M. Door-Head 10A
SCALE: 1-1/2" = 1'-0"



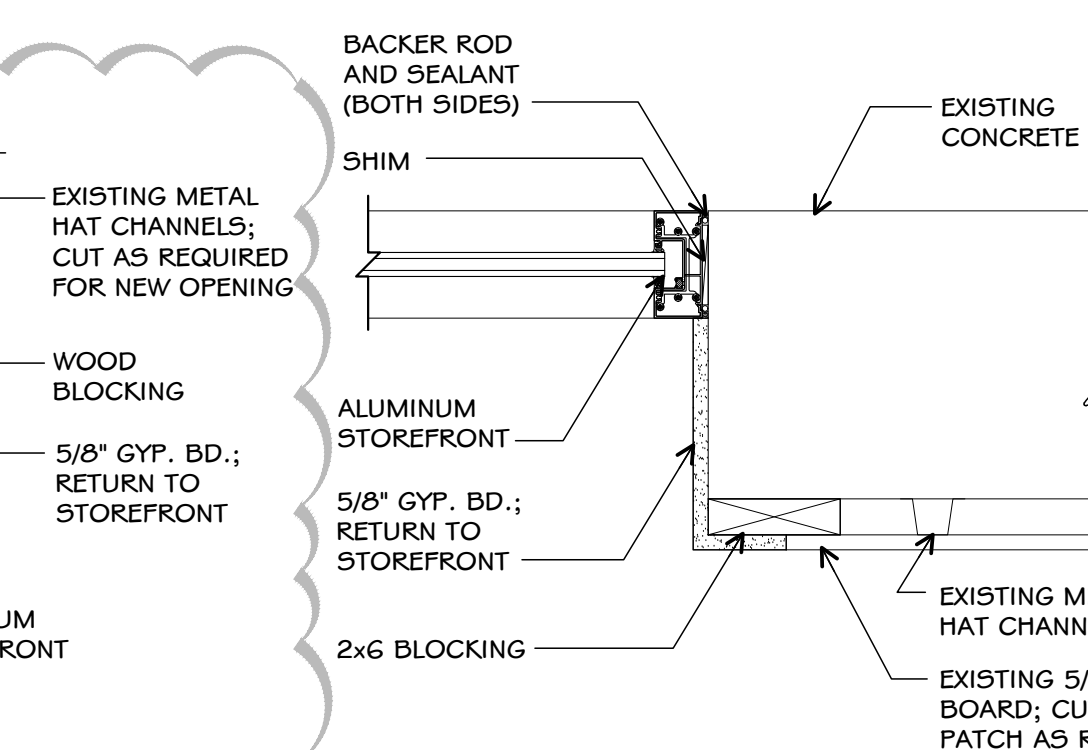
H.M. Door-Head 9
SCALE: 1-1/2" = 1'-0"



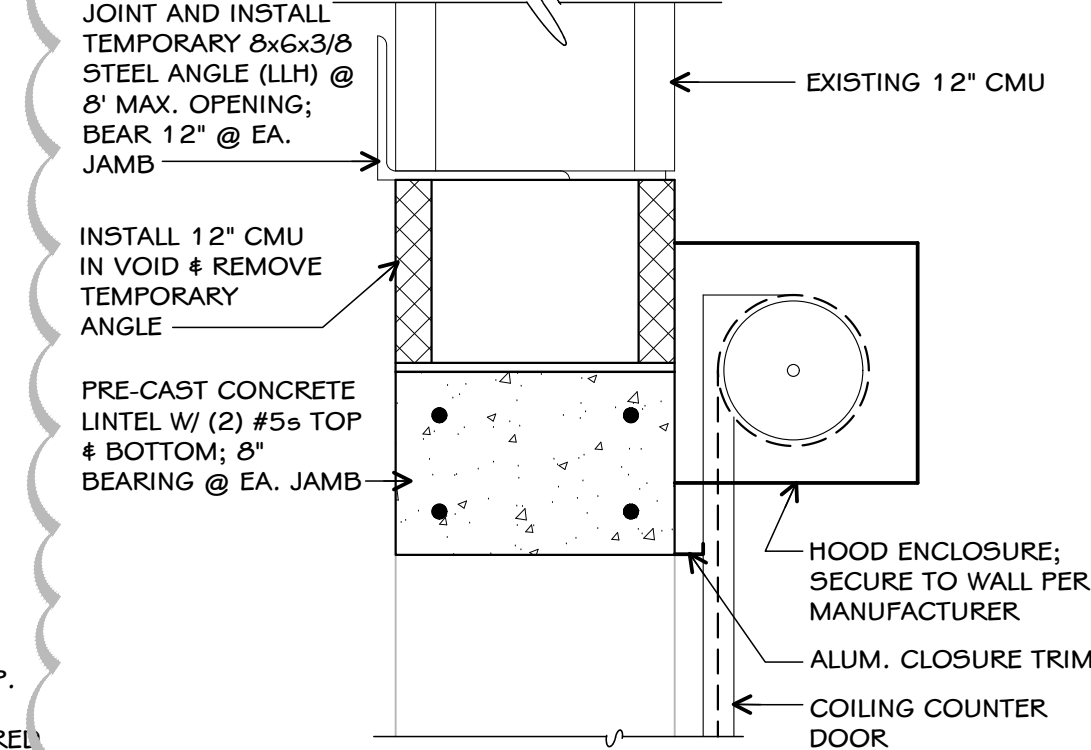
H.M. Door-Head 7
SCALE: 1-1/2" = 1'-0"



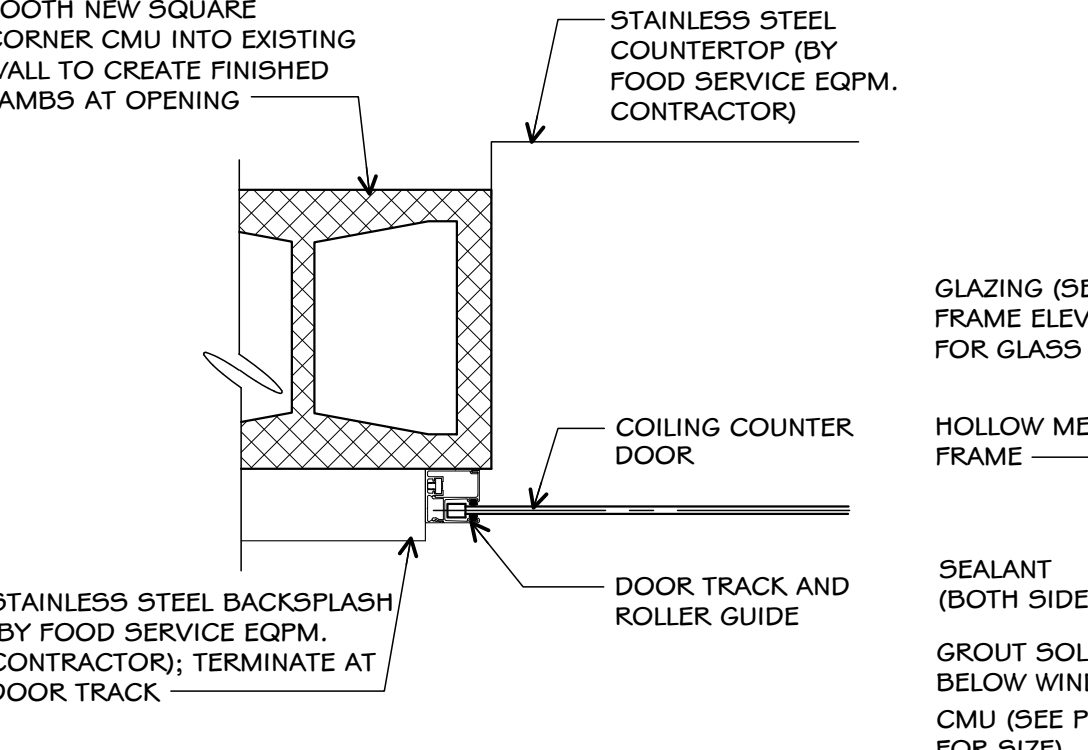
A.S.F. Door-Head 19
SCALE: 1-1/2" = 1'-0"



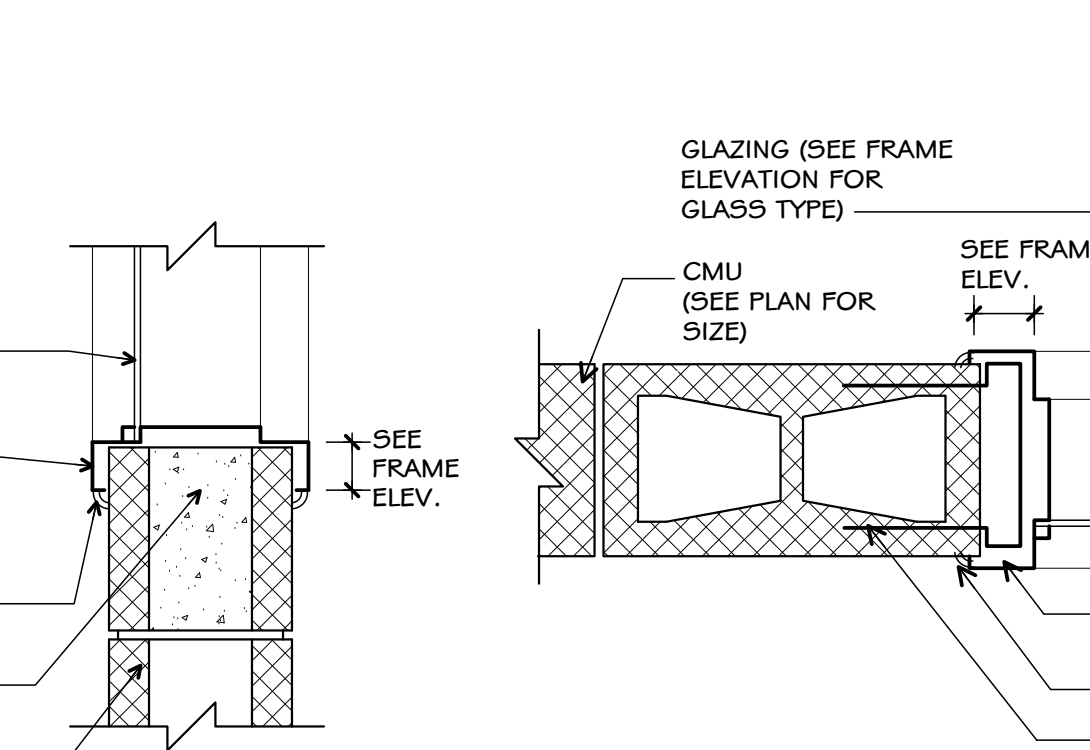
A.S.F. Door-Head 18
SCALE: 1-1/2" = 1'-0"



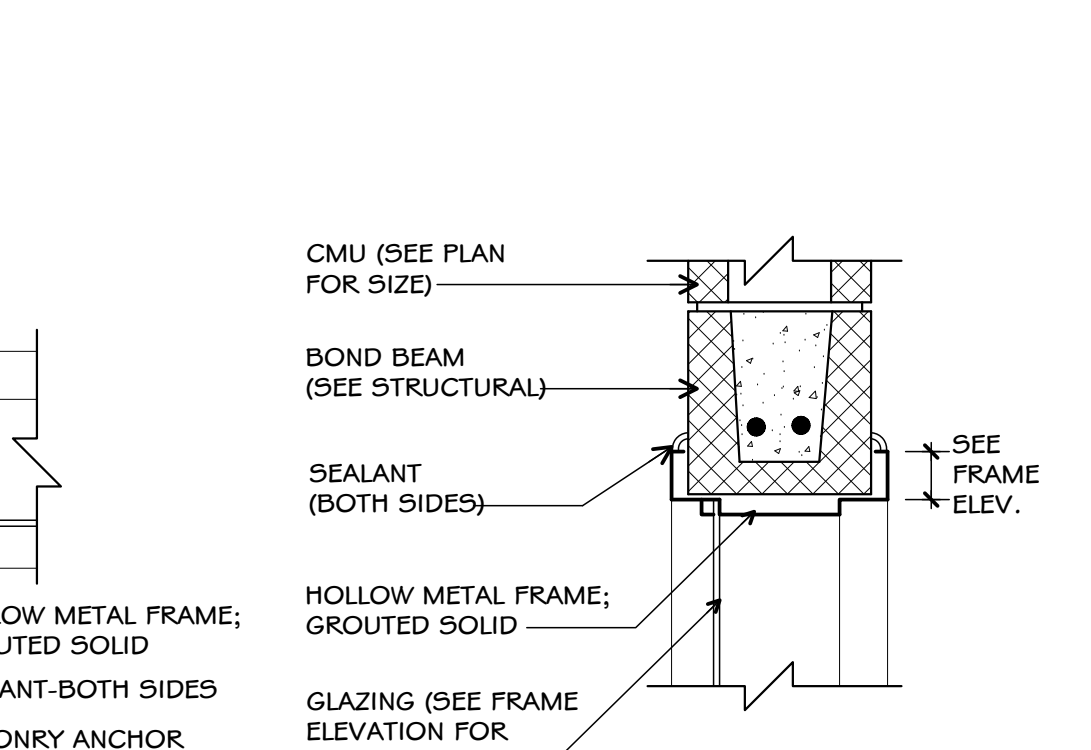
Coiling Counter Door - Head 17
SCALE: 1-1/2" = 1'-0"



Coiling Counter Door - Jamb 16
SCALE: 1-1/2" = 1'-0"



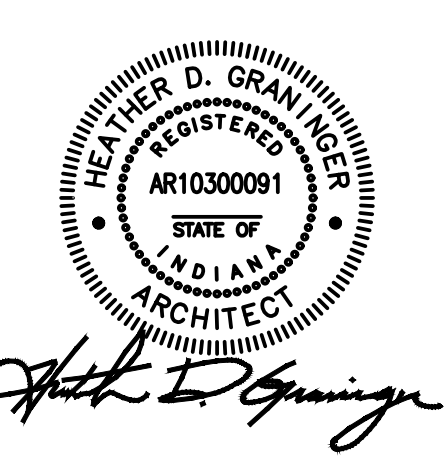
H.M. Window-Sill 15
SCALE: 1-1/2" = 1'-0"



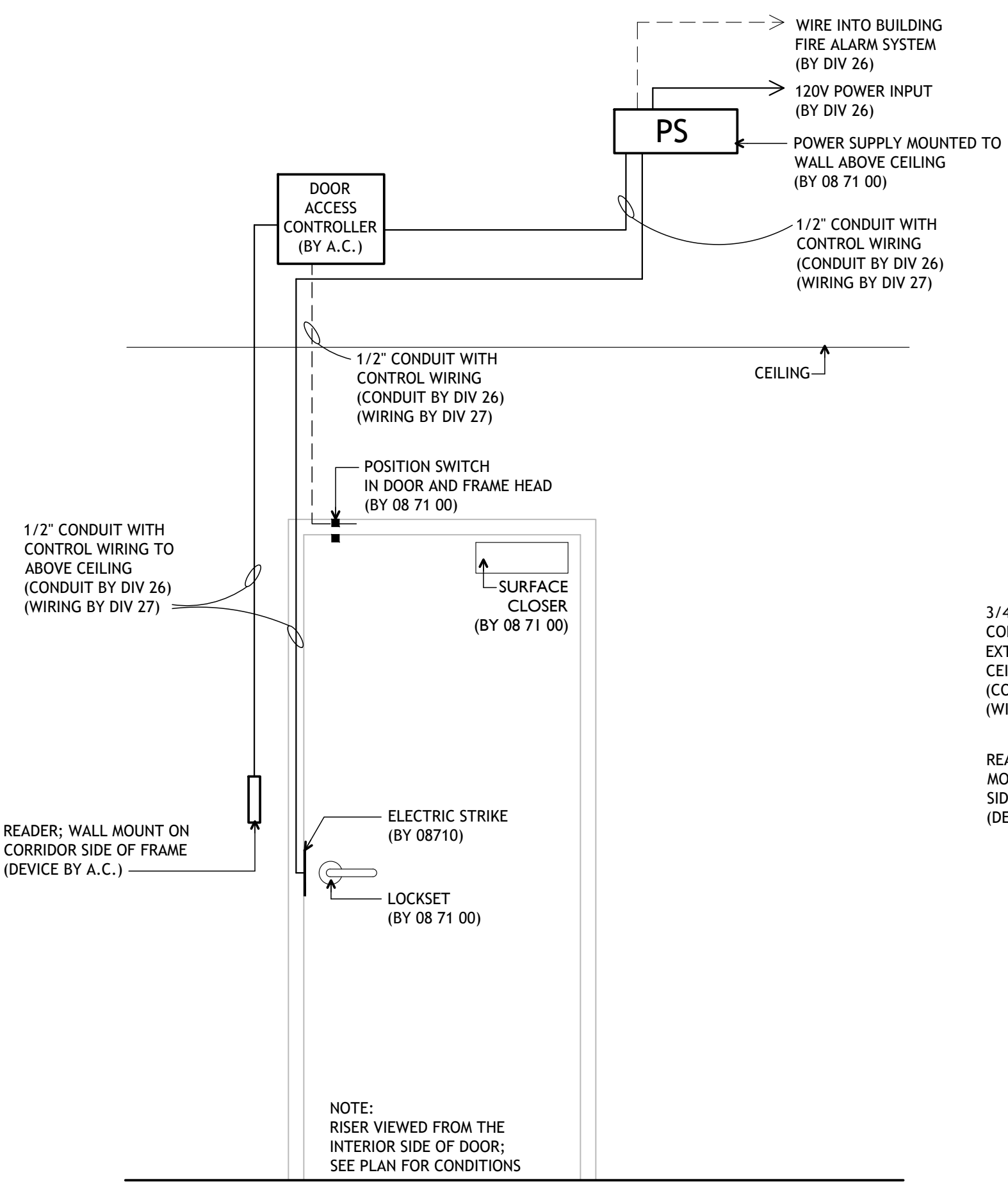
H.M. Window-Jamb 14
SCALE: 1-1/2" = 1'-0"

H.M. Window-Head 13
SCALE: 1-1/2" = 1'-0"

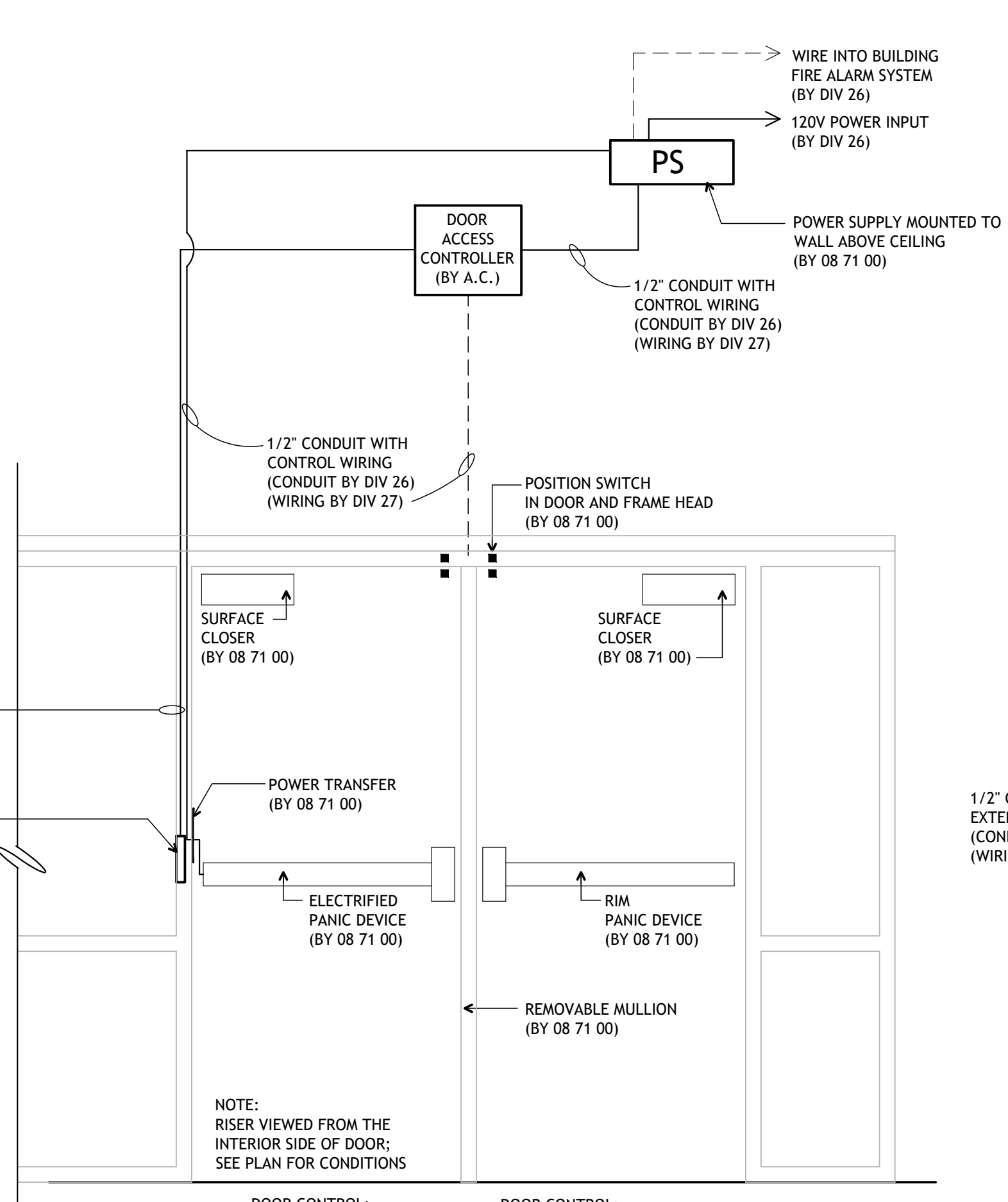
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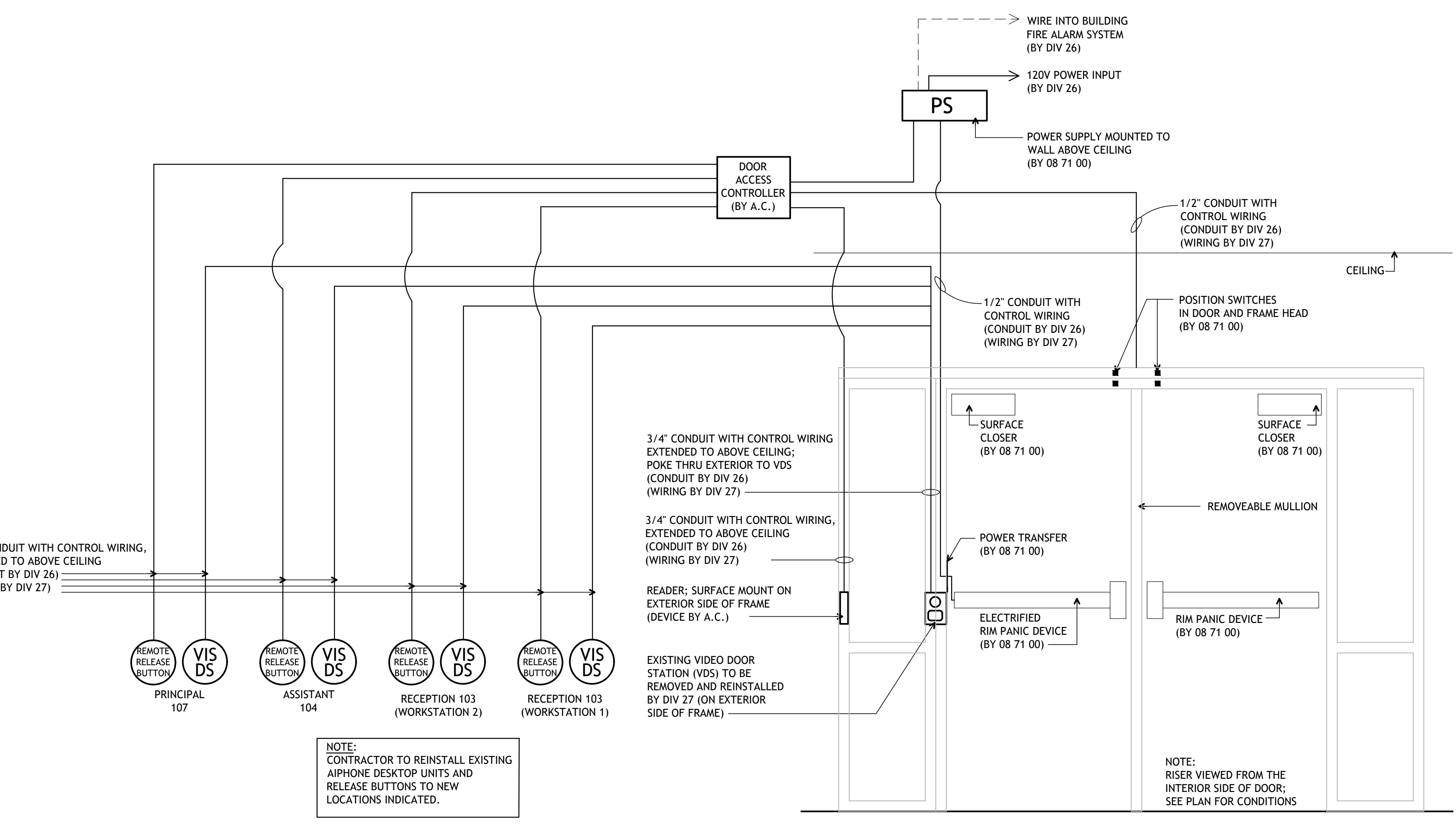
ISSUED FOR DATE
Public Bidding Addendum No. 2 04-03-2024
04-22-2024



Door Access Riser Diagram - Door 110 & Door 142
SCALE: NOT TO SCALE



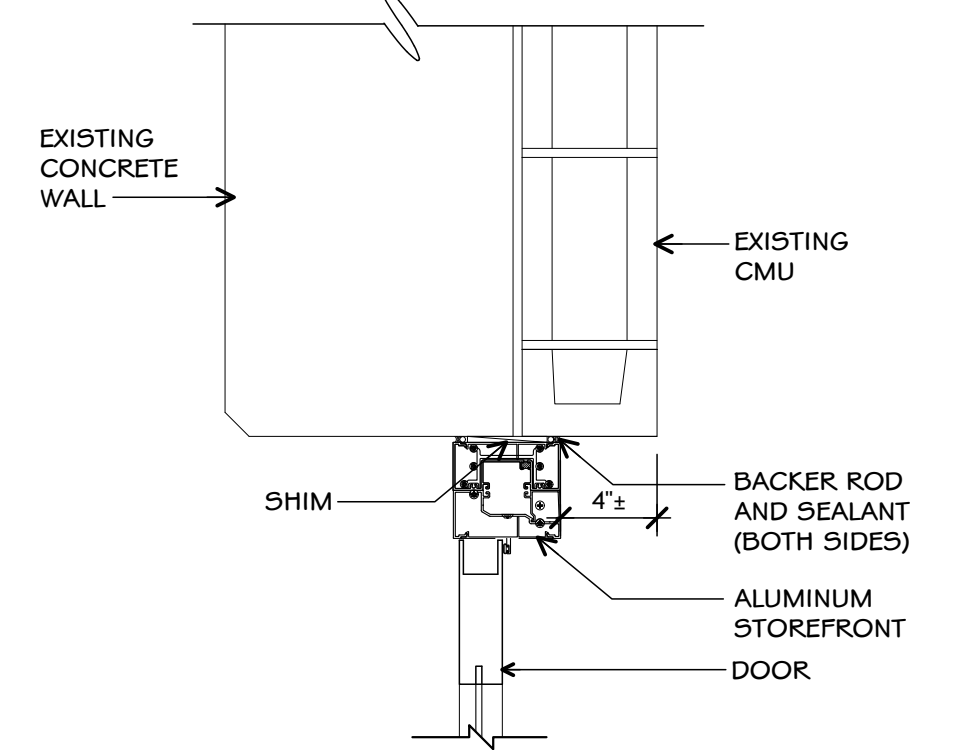
Door Access Riser Diagram - 101D
SCALE: NOT TO SCALE



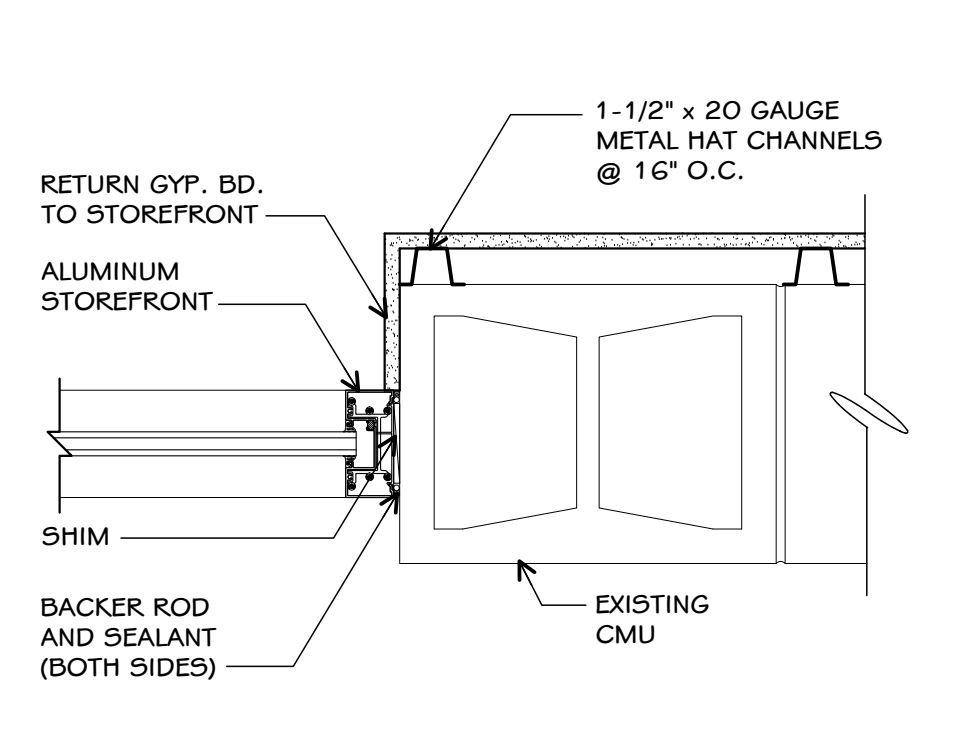
Door Access Riser Diagram - Door 101B
SCALE: NOT TO SCALE

Access Control/Electrical Coordination Notes

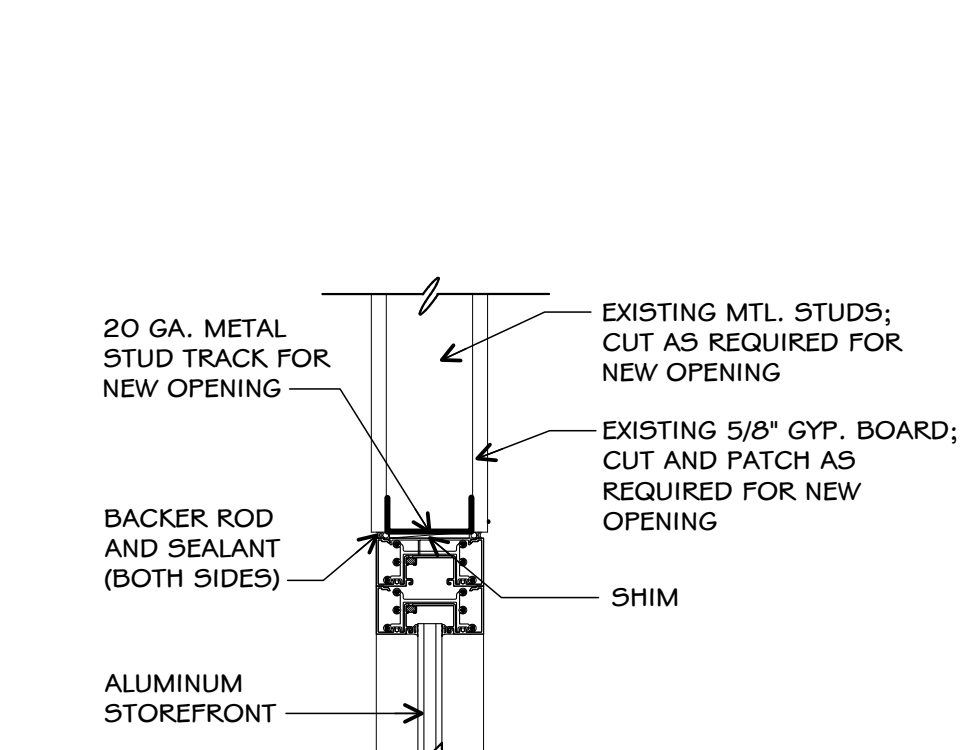
- ALL LOCATIONS OF ALL COMPONENTS ARE TO BE COORDINATED BETWEEN THE ELECTRICAL CONTRACTOR AND THE OWNER'S ACCESS CONTROL CONTRACTOR.
- ELECTRICAL CONTRACTOR AND OWNER'S ACCESS CONTROL CONTRACTOR ARE TO WORK TOGETHER AND IN CONJUNCTION WITH THE OWNER, ARCHITECT AND THEIR TECHNOLOGY STAFF TO COORDINATE THE LOCATIONS, ROUGH-INS AND REQUIREMENTS OF ALL COMPONENTS SHOWN HEREIN.
- WORK REQUIRED BETWEEN DIV. 26 AND DIV. 27 IS SHOWN ON BOTH THE ELECTRICAL DRAWINGS AND THE DOOR RISER DIAGRAM DRAWINGS; SEE BOTH DOOR RISER DIAGRAM DRAWINGS AND ELECTRICAL DRAWINGS FOR ROUGH-INS, TYPICAL DETAILS, WIRING REQUIREMENTS, TERMINATIONS AND ADDITIONAL INFORMATION AND REQUIREMENTS.
- ITEMS ON THESE DRAWINGS ARE REFERRED TO IN A GENERIC FORM FOR TYPE OF PRODUCT TO BE USED (I.E., CAT CABLE, COAX CABLE, PHONE, ETC.). SEE SPECIFICATIONS FOR EXPLICIT PRODUCT SELECTIONS.
- DISTANCE FOR RUNS OF TECHNOLOGY CABLE FROM THE TERMINATION TO THE ULTIMATE DEVICE LOCATION, INCLUDING UPS AND DOWNS, SHALL BE NO LONGER THAN 300'. IF ANY RUN APPEARS TO BE OUTSIDE THIS THRESHOLD, CONSULT THE ARCHITECT DURING BIDDING FOR DISCUSSION ON POSSIBLE ALTERNATE ROUTING OR OTHER POSSIBLE ALTERNATIVES AND SOLUTIONS.
- IN GENERAL, ALL TECHNOLOGY WIRING NOT PLACED WITHIN CONDUIT SHALL BE RUN IN CABLE TRAYS OR SUPPORTED BY WIRING RINGS.
- IN GENERAL, ALL CABLING SHALL BE INSTALLED CONCEALED FROM VIEW (WITHIN WALLS, ABOVE CEILING, ETC.).
- A.C. = OWNER'S ACCESS CONTROL CONTRACTOR (SEPARATE CONTRACT).
DIV 26 = ELECTRICAL.
DIV 27 = TECHNOLOGY.
- SEE ELECTRICAL POWER PLANS AND SYSTEMS PLANS FOR ADDITIONAL SCOPE OF WORK REQUIRED OF THE A.C. AND DIV. 27 FOR WIRING, CONNECTIONS, TERMINATIONS, ETC. REQUIRED THROUGHOUT FOR ITEMS REGARDING DATA, A/V, CONTROLS, ETC.
- ALL ACCESS CONTROL WIRING THROUGHOUT THE ENTIRE BUILDING SHALL BE TERMINATED AT SINGLE LOCATION: STOR. 127 (SEE LOCATION ON DRAWING A101)



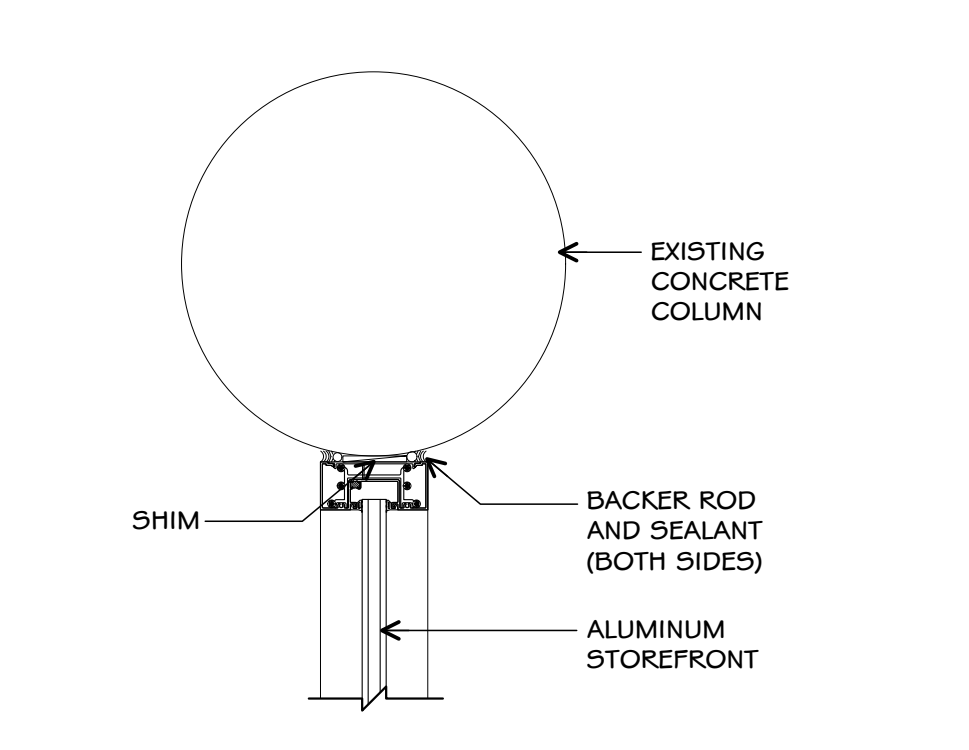
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SCALE: 1-1/2" = 1'-0"



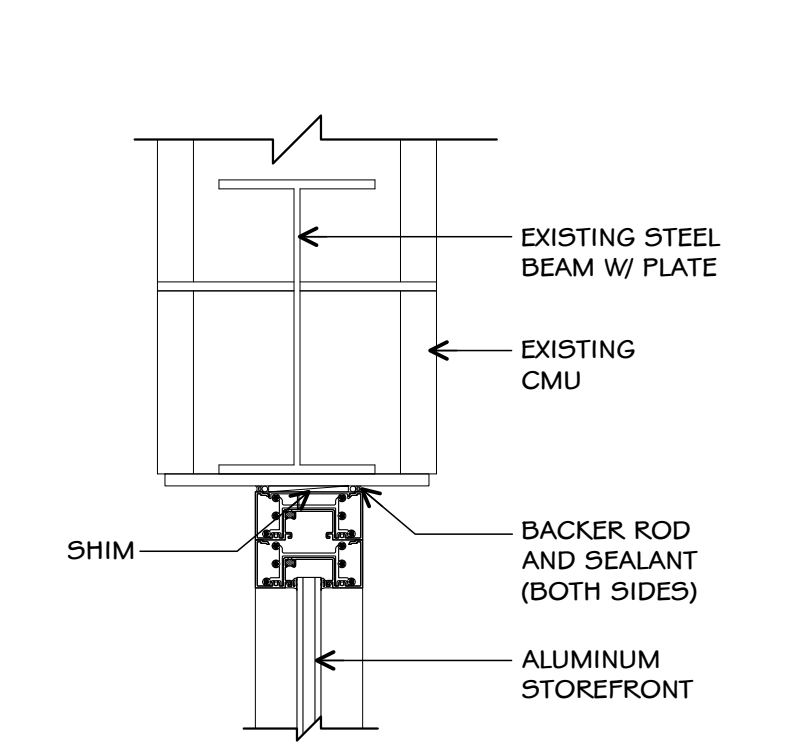
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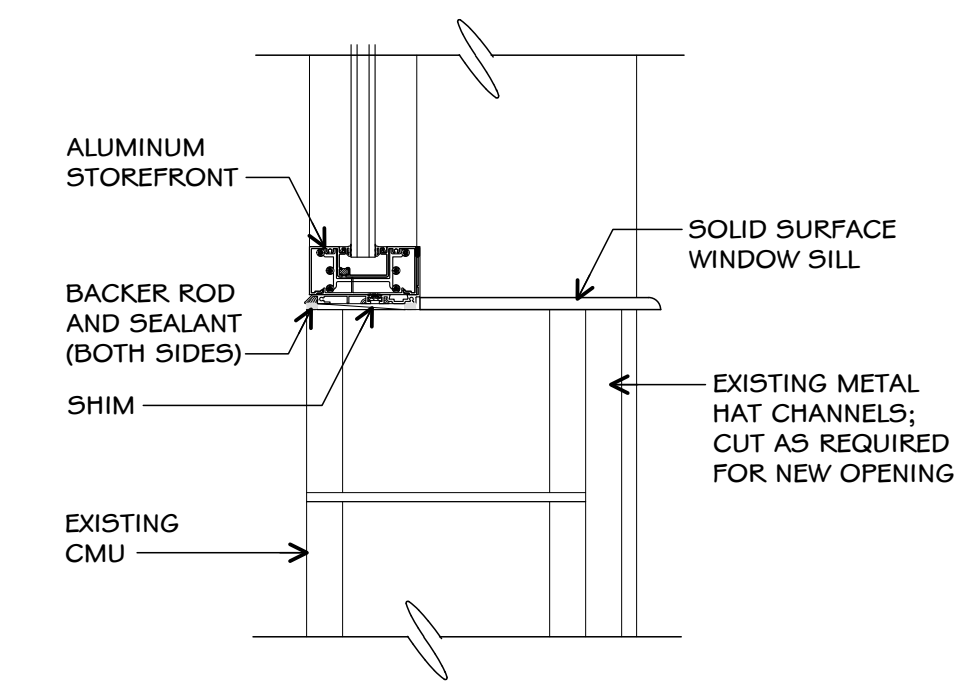
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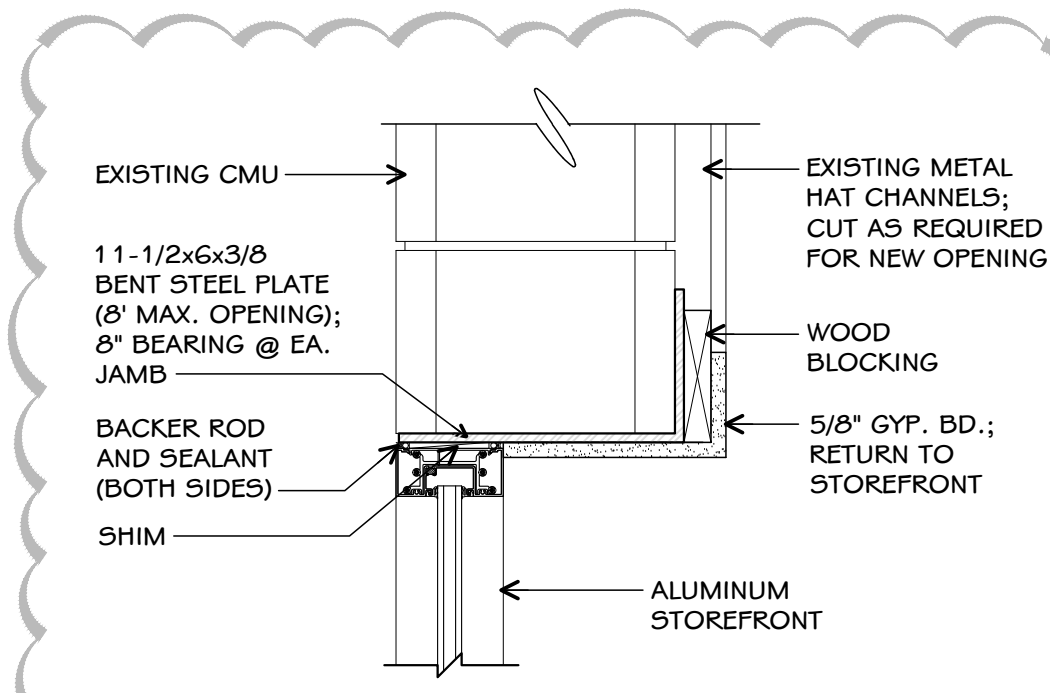
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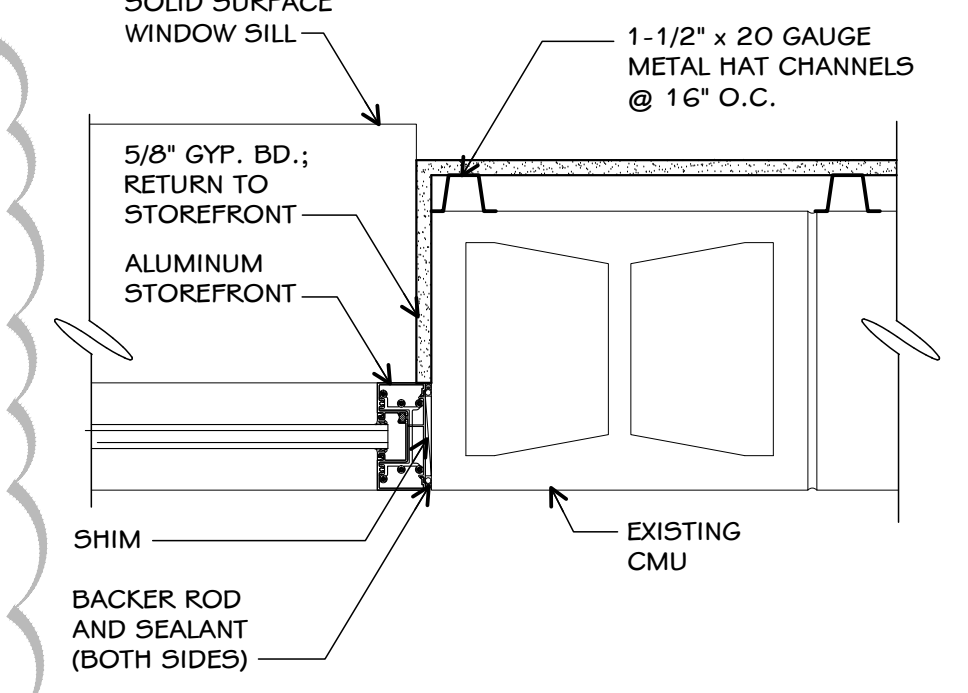
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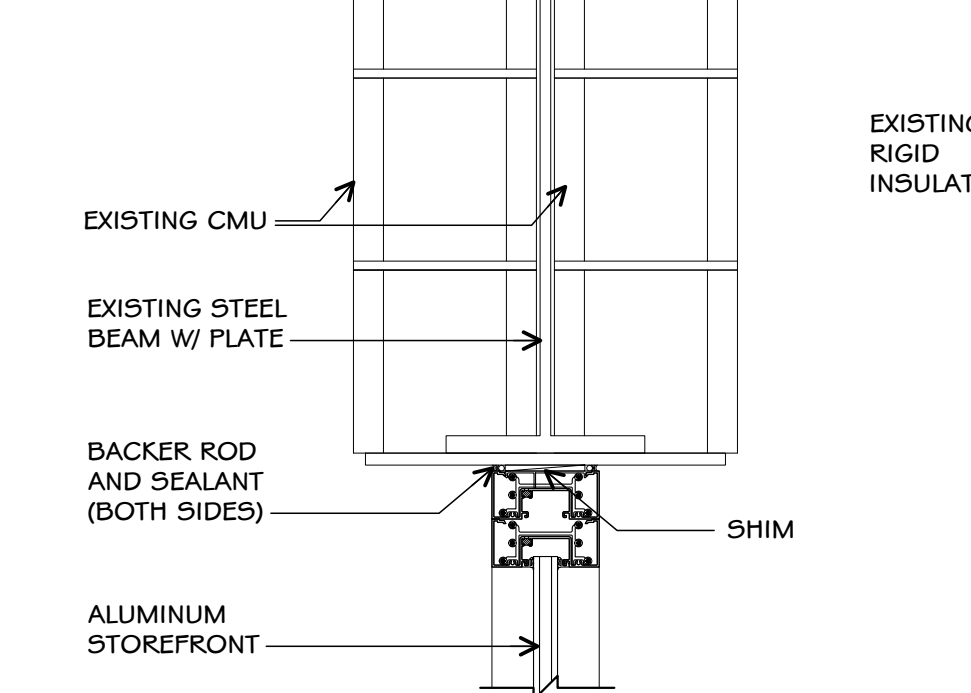
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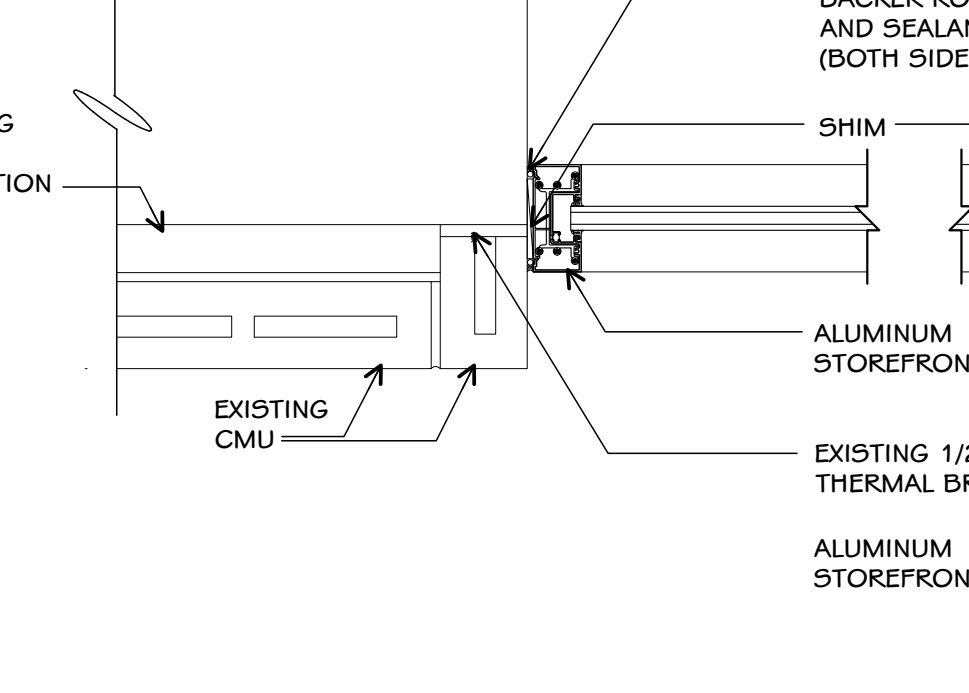
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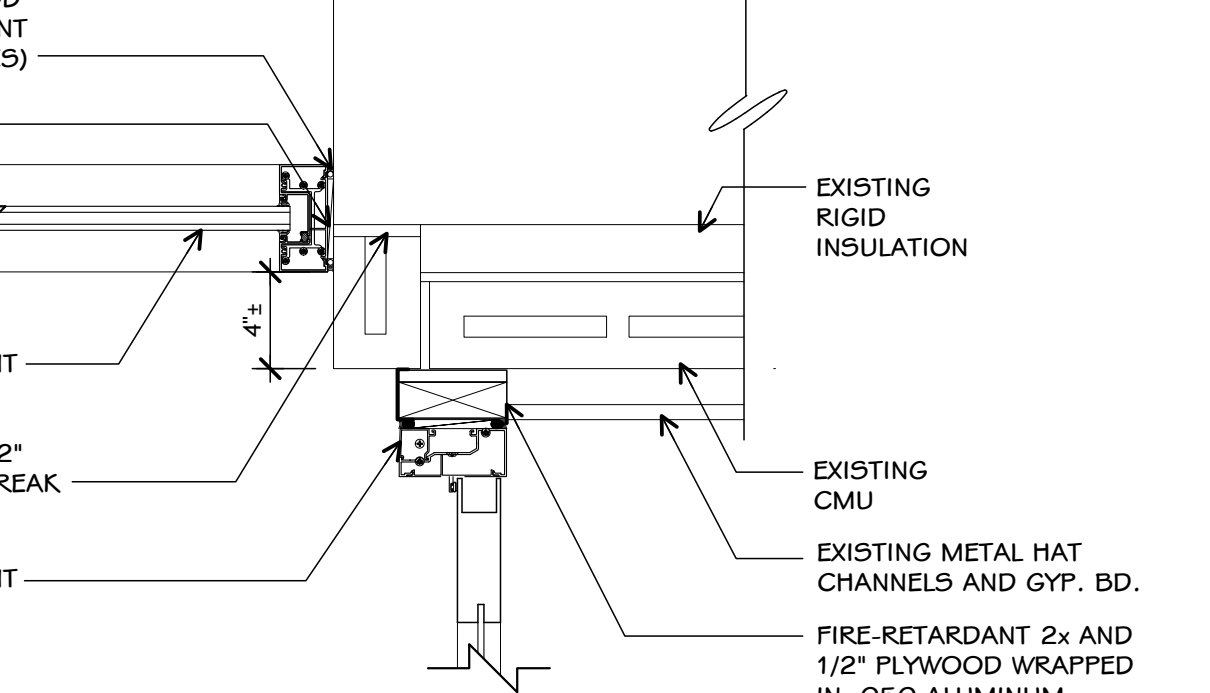
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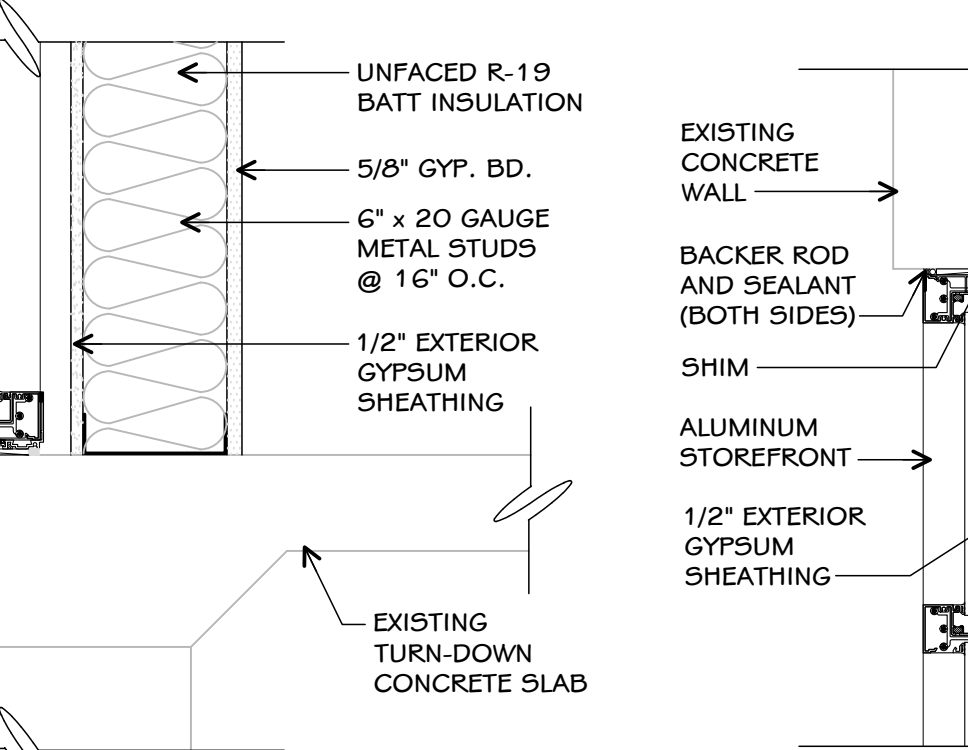
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SCALE: 1-1/2" = 1'-0"



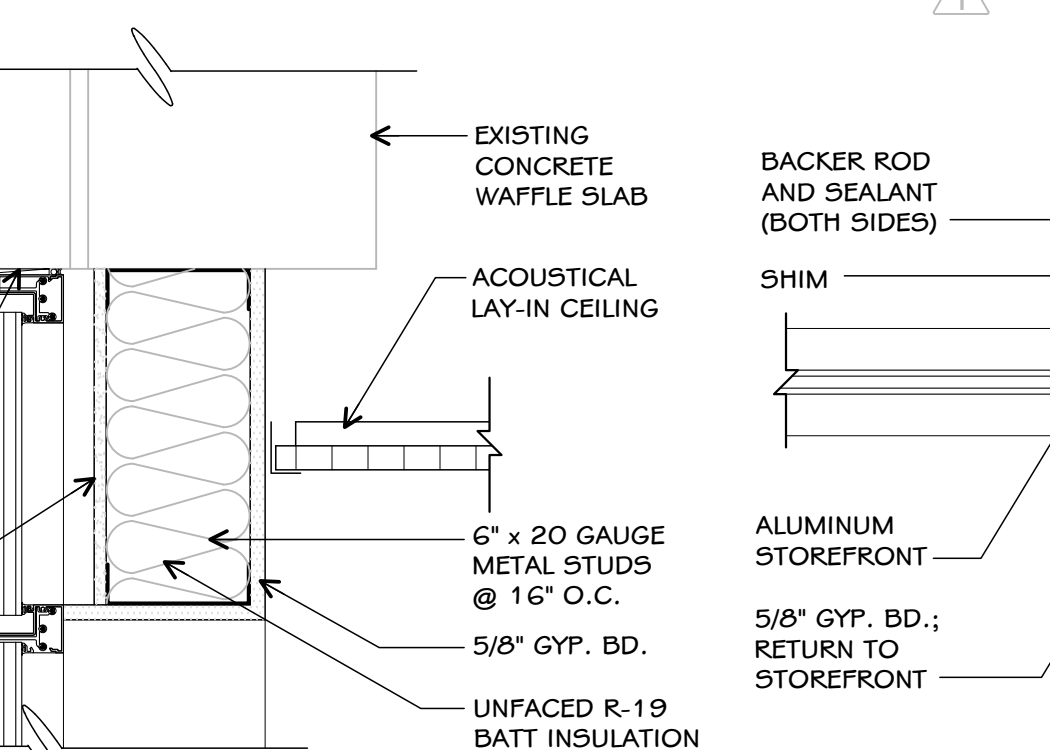
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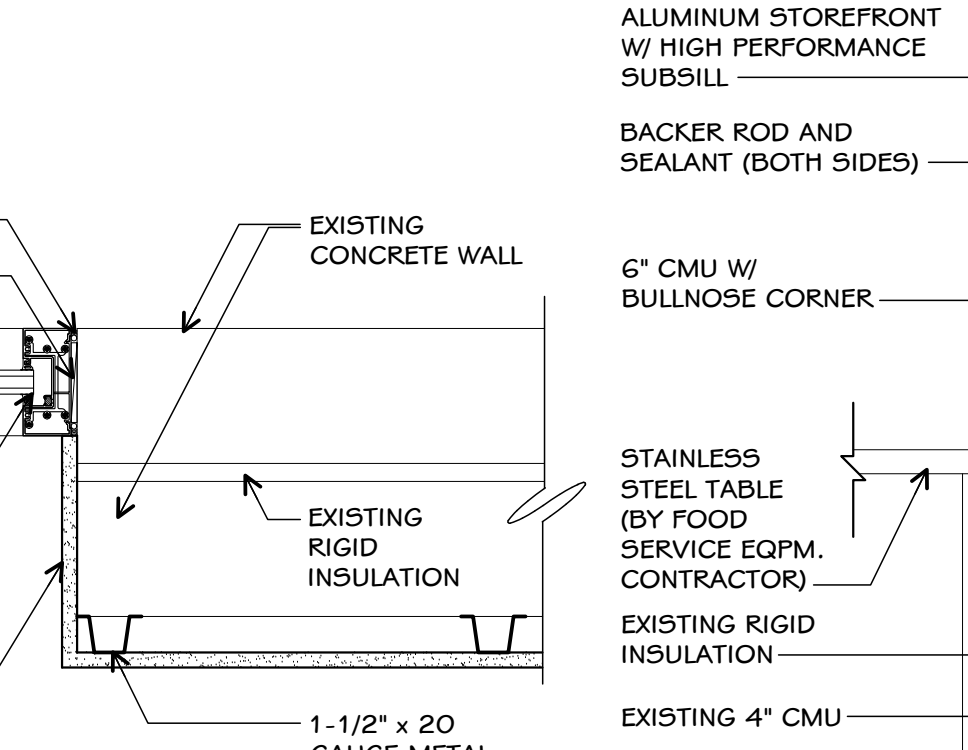
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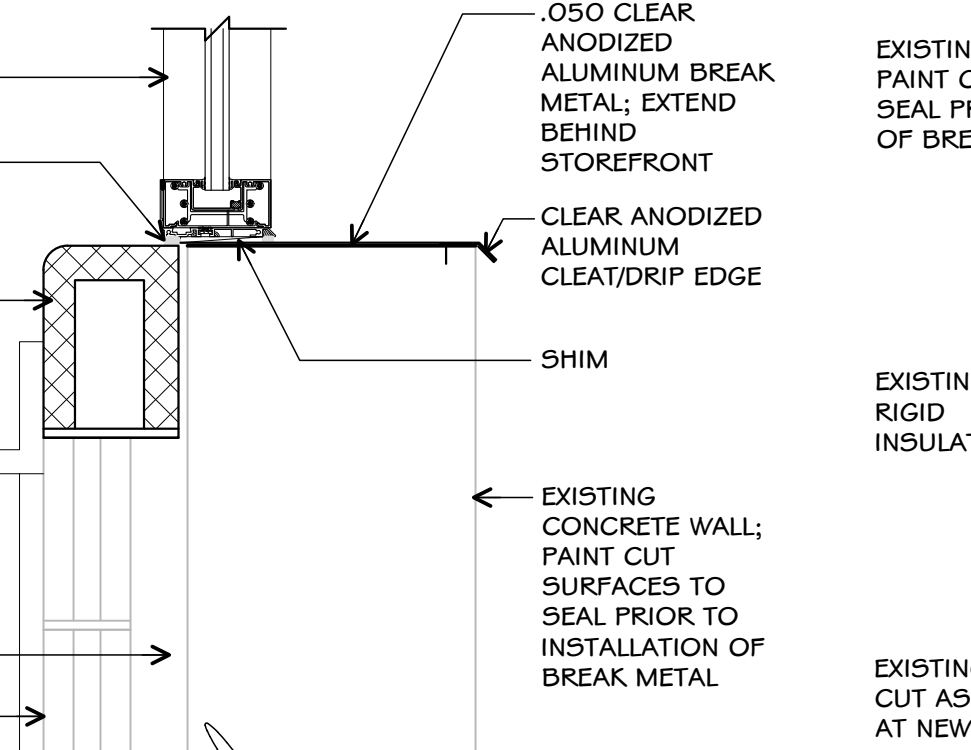
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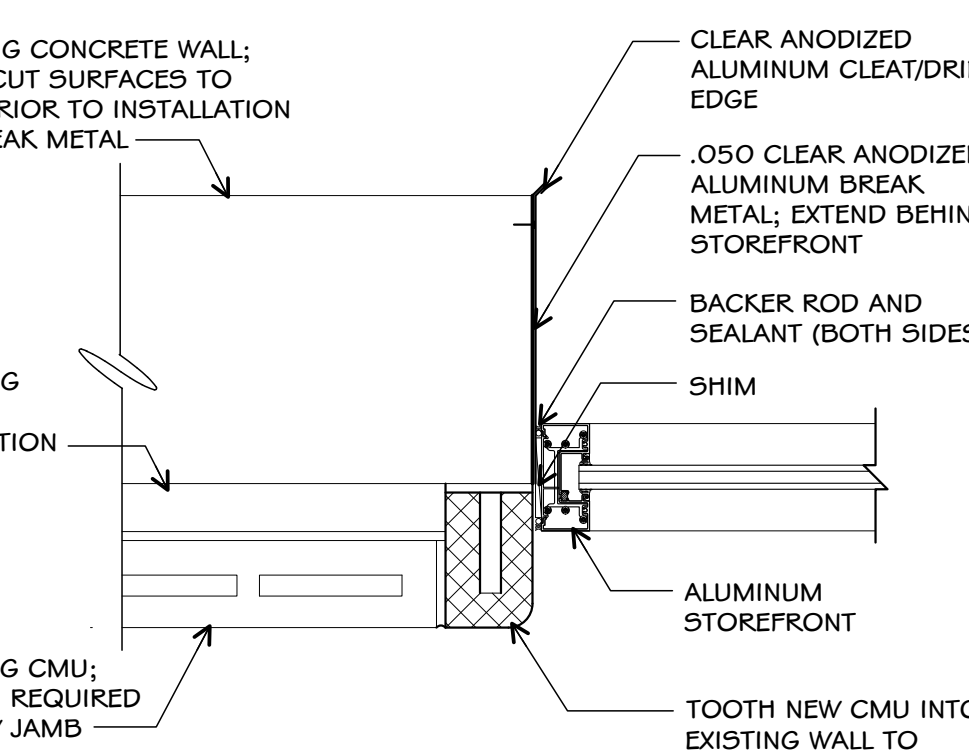
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SCALE: 1-1/2" = 1'-0"



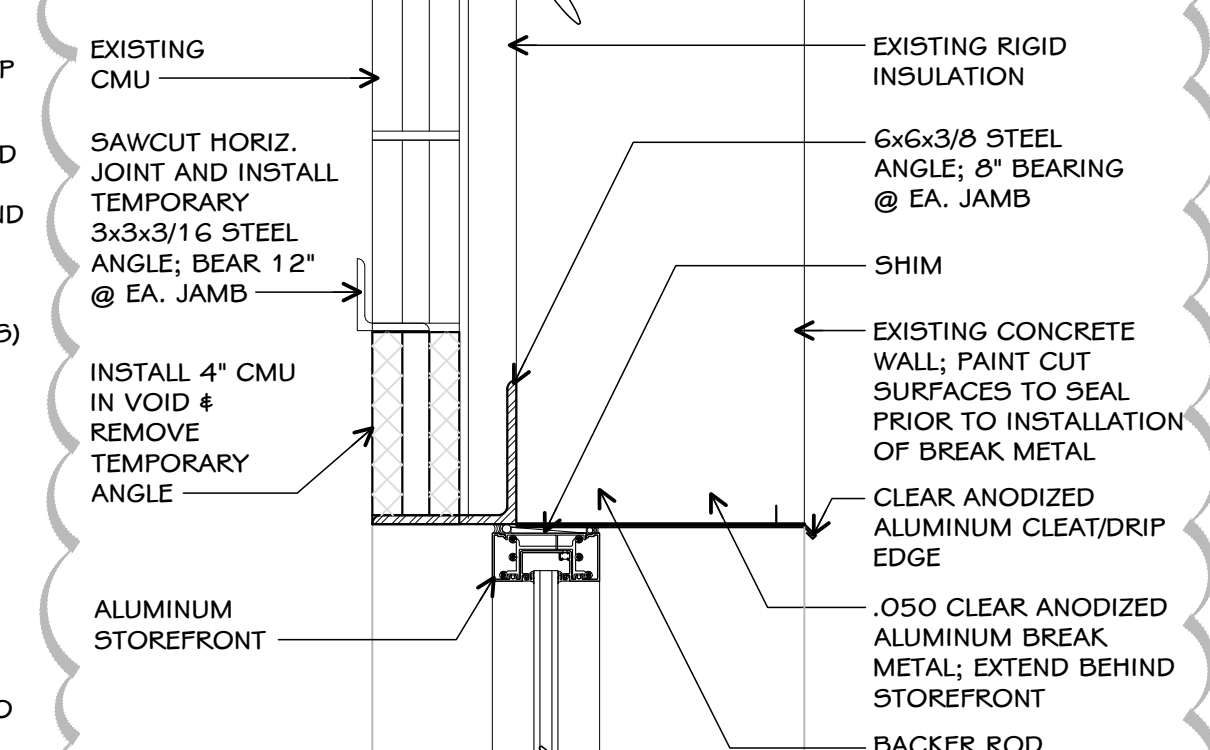
14 A.S.F.-Jamb
SCALE: 1-1/2" = 1'-0"



13 A.S.F. Window-Sill
SCALE: 1-1/2" = 1'-0"



12 A.S.F. Window-Jamb
SCALE: 1-1/2" = 1'-0"



11 A.S.F. Window-Head
SCALE: 1-1/2" = 1'-0"

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PROJECT TITLE
**NORTH HARRISON
ELEMENTARY SCHOOL**

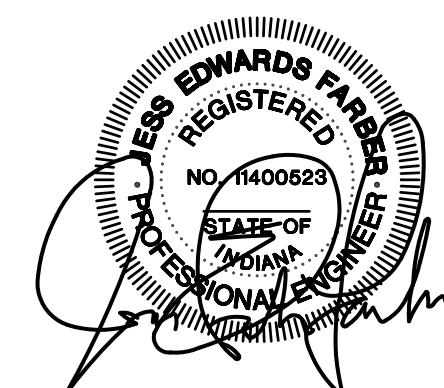
OWNER
**NORTH HARRISON
COMMUNITY SCHOOLS**

DATE
APRIL 3, 2024

SHEET NUMBER
A 802
23-228.001

2024 ADDITION AND
RENOVATIONS

1115 W WHISKEY RUN RD. NW
RAMSEY, INDIANA 47166



ISSUED FOR	DATE
Public Bidding	04-03-2024
Addendum 1	04-12-2024
Addendum 2	04-22-2024

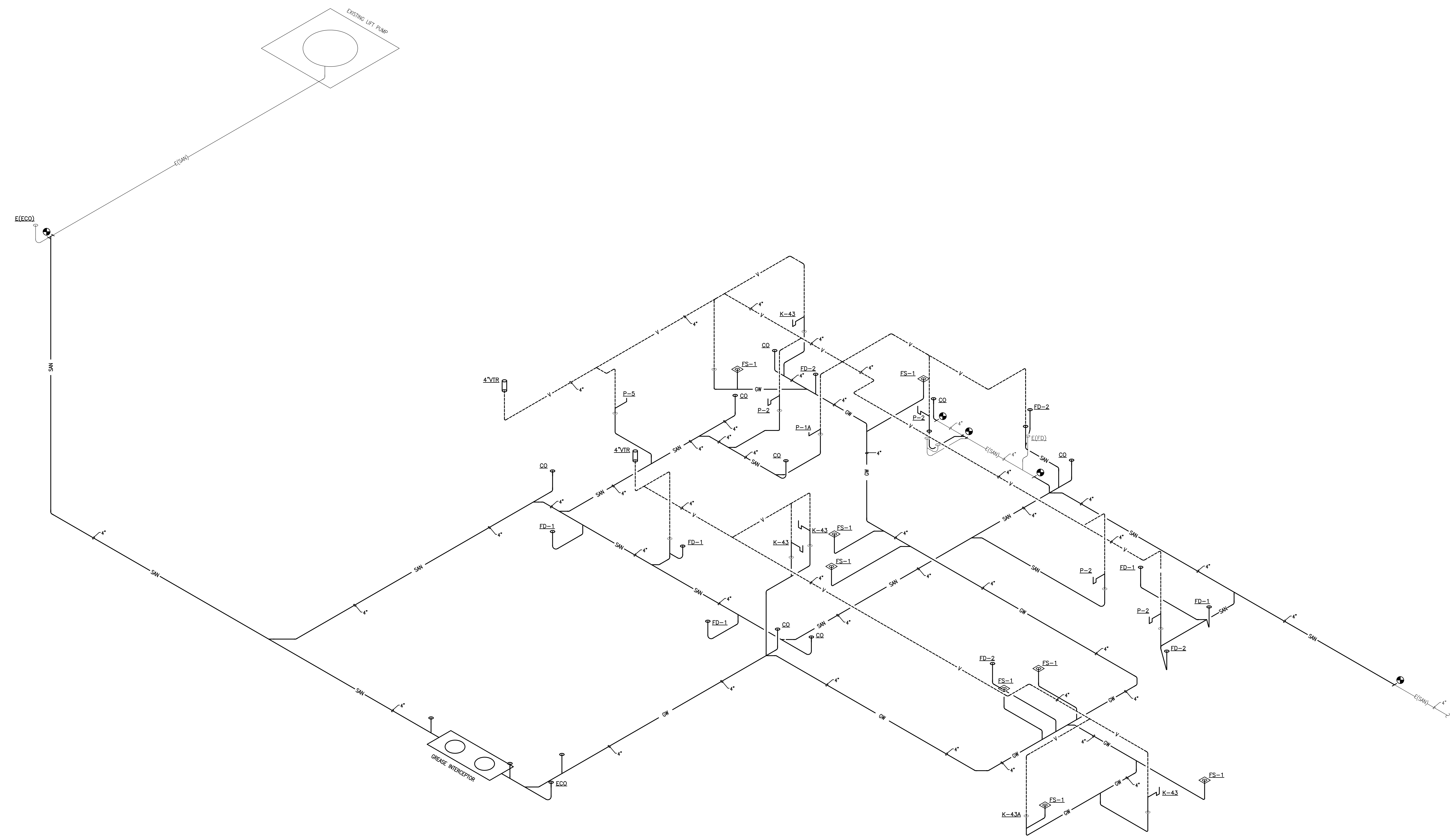
PROJECT TITLE
NORTH HARRISON
ELEMENTARY SCHOOL
2024 ADDITIONS AND
RENOVATIONS

OWNER
NORTH HARRISON
COMMUNITY SCHOOLS
1115 W WHISKEY RUN RD. NW
RAMSEY, IN 47166

SHEET NUMBER
P400

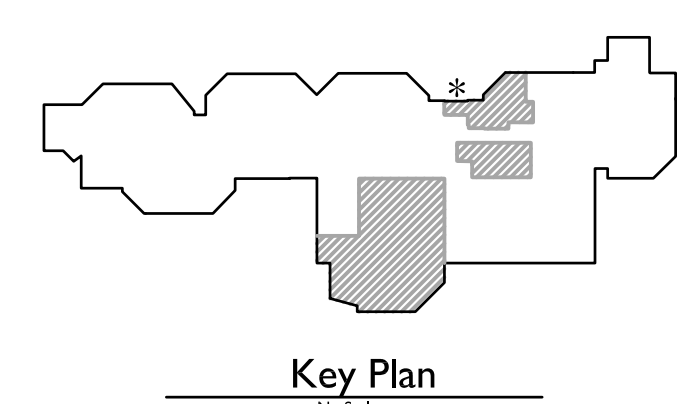
DATE
APRIL 3, 2024

PROJECT TITLE
PLUMBING KITCHEN RISER

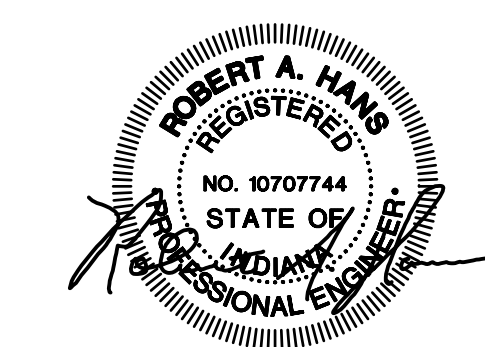


PLUMBING KITCHEN RISER
Scale: 1/4" = 1'0"

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ISSUED FOR	DATE
Public Bidding	04-03-2024
Addendum No. 1	04-12-2024
Addendum No. 2	04-22-2024

PROJECT TITLE
NORTH HARRISON
ELEMENTARY SCHOOL
2024 ADDITIONS AND
RENOVATIONS

OWNER
NORTH HARRISON
COMMUNITY SCHOOLS
1115 W WHISKEY RUN RD. NW
RAMSEY, IN 47166

SHEET TITLE
PARTIAL FIRST FLOOR PLAN -
LIGHTING - AREA A

SHEET NUMBER
E300A

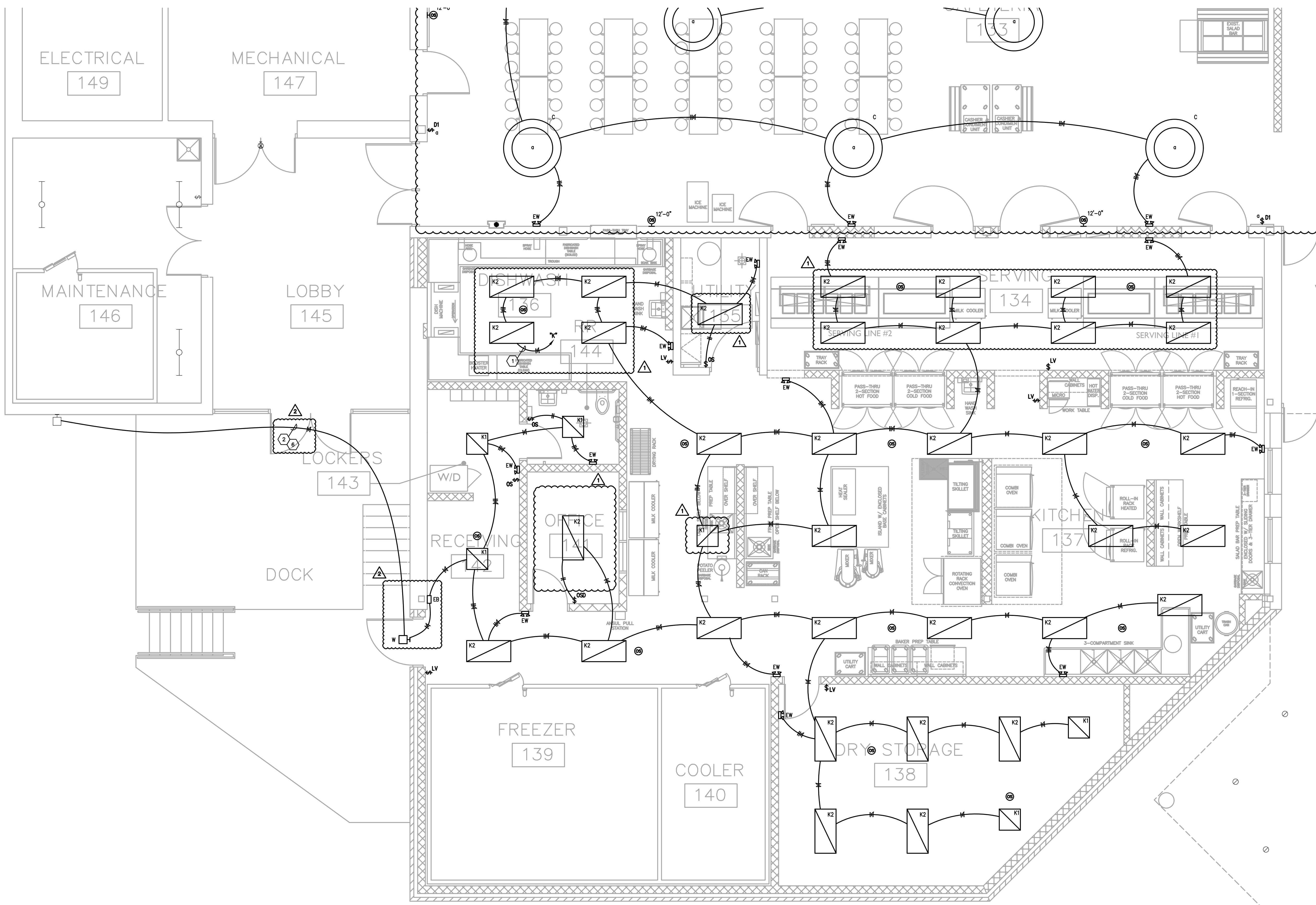
DATE
APRIL 3, 2024

GENERAL NEW WORK NOTES (LIGHTING):

- A. THE CONTRACTOR SHALL MAINTAIN THE CONTINUITY OF EXISTING CIRCUITS THAT CONTAIN DEVICES OR EQUIPMENT THAT ARE TO REMAIN. WHEN DEMOLITION OF AN ELECTRICAL DEVICE (OR CIRCUIT) IS INDICATED ON THE DRAWINGS, THE CONTRACTOR SHALL INSURE THAT OTHER DEVICES OR EQUIPMENT "UPSTREAM" OR "DOWNSTREAM" ON THE CIRCUITS SHALL REMAIN IN "PUSH-OUT" WORKING ORDER. "LEFT-OVER" CIRCUIT BREAKERS SHALL REMAIN AND BE LABELED AS SPARES IN THEIR PANELS. PROVIDE NEW TYPED DIRECTIONS FOR ALL PANELS AFFECTED.
- B. REFER TO THE ARCHITECT'S REFLECTED CEILING PLANS FOR EXACT LOCATIONS OF ALL CEILING MOUNTED LIGHT FIXTURES ETC. REFER ALSO TO THE ARCHITECT'S CASEWORK DETAILS AND ROOM ELEVATIONS FOR EXACT LOCATIONS AND MOUNTING HEIGHTS OF LIGHT FIXTURES. ETC. NOTIFY THE ENGINEER OF DISCREPANCY BETWEEN BOTH FOR RULING.
- C. ALL NEW WIRING SHALL BE #12 WITH A #12 INSULATED GROUND WIRE (I.O.N.). CONDUIT SHALL BE 3/4" MINIMUM.
- D. CONTRACTOR SHALL FOLLOW BRANCH CIRCUITING LAY-OUT, AS INDICATED ON THE FLOOR PLANS, WITH A MAXIMUM OF THREE (3) BRANCH CIRCUITS PER HOMERUN. EACH BRANCH CIRCUIT SHALL BE PROVIDED WITH A DEDICATED NEUTRAL CONDUCTOR. DEDICATED NEUTRAL CONDUCTORS SHALL BE CONSIDERED CURRENT CARRYING. IF ADDITIONAL CONDUCTORS ARE RAN IN THE SAME CONDUIT WITH THOSE INDICATED, CONTRACTOR SHALL DERATE ALL CURRENT CARRYING CONDUCTORS PER N.E.C. #310.15(B)(2), AND UPSIZE CONDUIT AS REQUIRED PER N.E.C. #300.17 AND ANNEX C. MULTIPLE BRANCH CIRCUITS AS DEFINED IN N.E.C. #100 / 210.4 (CIRCUITS SHARING A COMMON NEUTRAL CONDUCTOR) SHALL NOT BE PERMITTED.
- E. PROVIDE TEMPORARY EMERGENCY EXIT LIGHTS AT CONSTRUCTION BARRIERS AS REQUIRED. THE CONTRACTOR SHALL USE THE EXISTING CORRIDOR LIGHT FIXTURES FOR TEMPORARY LIGHTING WHERE POSSIBLE.
- F. IDENTIFY THE PANEL AND CIRCUIT NUMBER FOR ALL RECEPTALS, SWITCHES, ETC. IN AREA OF CONSTRUCTION. ALSO, MARK INSIDES OF ALL JUNCTION BOX COVERS WITH PANEL AND CIRCUIT NUMBER.
- G. CUT AND PATCH EXISTING WALL ABOVE/BELOW PANELS AS REQUIRED FOR INSTALLATION OF NEW CIRCUIT HOMERUNS. FIELD TO EXISTING REQUIREMENTS.
- H. CONTRACTOR SHALL ATTEMPT TO "FISH" ALL NEW CABLING/ CIRCUITS AS INDICATED WITHIN CONDUIT INSIDE EXISTING WALLS. IF DETERMINED TO NOT BE POSSIBLE (E.G. SLUSH FILLED CONCRETE BLOCK EXISTING WALLS), CONTRACTOR SHALL THEN ROUTE SURFACE-MOUNTED WIRING (OR APPROVED EQUAL) PAINTED TO MATCH ADJACENT SURFACES WHERE IT IS NECESSARY FOR NEW CABLING RUNS. SECURELY MOUNT TWO-HOLE STRIPS ON 2"-C" CENTERS IN WALL/CEILING CORNERS AND "OUT OF SITE" AS MUCH AS POSSIBLE. SIZE WIRE/MOLD TO SUIT CABLING AS REQUIRED. SEE DETAIL.
- I. ALL CEILING MOUNTED DEVICES SHALL BE SUPPORTED FROM STRUCTURAL JOISTS ONLY. NO DEVICES SHALL BE SUPPORTED FROM BUILT TEES.
- J. CONTRACTOR SHALL KEEP RECORDS OF ALL CIRCUIT POLE NUMBERS FOR ALL NEW CIRCUITS TO EXISTING PANELBOARDS OR AS BUILT DOCUMENTS.
- K. CONTRACTOR SHALL INDICATE ALL EMERGENCY TRANSFER DEVICE "ET" INSTALLATION LOCATIONS ON AS BUILT SET OF PLANS. REFER TO DETAIL FOR LOCATION AND LABELING REQUIREMENTS.
- L. IN ROOMS WHERE EXISTING LIGHTING IS BEING REPLACED, EXISTING RECEPTACLE BRANCH CIRCUITS MAY BE UTILIZING SAME RACEWAY AND CIRCUIT. EXISTING BRANCH CIRCUITS SERVING RECEPTACLES SHALL REMAIN AND OLD SWITCHING BE REMOVED. LIGHTING BRANCH CIRCUITS AND RACEWAYS ARE TO BE COMPLETELY NEW UNLESS OTHERWISE INDICATED.
- M. ALL OCCUPANCY AND VACANCY SENSORS IN ROOM SHALL BE CONNECTED TO WORK AS ONE CONTROLLER FOR ENTIRE ROOM. DETECTION OF OCCUPANCY BY ONE SENSOR SHALL ENABLE ALL LIGHTS IN THE ROOM TO OPERATE (TYPICAL).
- N. CONTRACTOR SHALL MINIMIZE BEAM CROSSINGS IN CLASSROOMS AT EXPOSED BEAMS. WHERE BEAM IS EXPOSED ROUTE IN SURFACE 3/4" EXIT IN A NEAT, ORDERLY FASHION GROUPED WITH OTHER RACEWAY CROSSINGS. EXIT TO BE PAINTED TO MATCH ADJACENT SURFACES.
- O. PROVIDE ALL EXIT SIGNS WITH AN UNSWITCHED EMERGENCY HOT CONDUCTOR FOR CONSTANT ILLUMINATION.
- P. PROVIDE ALL EMERGENCY LIGHTING TRANSFER DEVICES (ET) WITH AN UNSWITCHED NORMAL POWER CONDUCTOR FROM LIGHTING CIRCUIT SERVING THE SAME AREA AS THE EMERGENCY FIXTURES ASSOCIATED WITH THE TRANSFER DEVICE.
- Q. CLASSROOM LIGHTING AND PROJECTOR LOCATIONS TO BE COORDINATED SUCH THAT LIGHTING DOORS DO NOT INTERFERE WITH PROJECTOR LOCATIONS. EC SHALL COORDINATE WITH GC AND CEILING GRID INSTALLER PRIOR TO ROUGH-IN FOR FINAL LAYOUT.
- R. WHERE #MC IS INDICATED, LIGHTING IS TO BE CONTROLLED BY CONTROLLABLE BREAKER PANEL.
- S. IN CORRIDORS, STAIRS, LOBBIES, AND OTHER COMMON AREAS, CONTRACTOR SHALL AVOID ROUTING SURFACE MOUNTED RACEWAYS ALONG WALLS. PENETRATE WALL FROM SPACE OPPOSITE OF COMMON AREAS WHERE POSSIBLE. WHERE HORIZONTAL SURFACE MOUNTED RACEWAYS ARE UTILIZED, CONTRACTOR SHALL NOT MOUNT BELOW CEILING PLANE.
- T. CIRCUITING IS DIAGNOSTIC. PROVIDE AS REQUIRED FOR COMPLETE AND OPERATIONAL SYSTEM.
- U. WHERE EXISTING RECESSED EXIT SIGNS AND LIGHT FIXTURES ARE REMOVED COMPLETE FROM HARD SURFACES THAT WILL REMAIN EXPOSED, CONTRACTOR SHALL PROVIDE STEEL COVER PLATE CONCEAL ENTIRE EXISTING OPENING. BACKPLATE SHALL BE PRE-FINISHED AND FIELD PAINTED TO MATCH ADJACENT FINISHES WHERE FINISHED AND STAINLESS STEEL WHERE MOUNTED ON EXPOSED CONCRETE.
- V. MC CABLING MAY BE USED FOR LIGHT FIXTURE CONNECTIONS WITHIN ROOMS. WHERE LOW VOLTAGE DIMMING/CONTROLS ARE REQUIRED TO BE ROUTED TO THE LIGHT FIXTURES, THE CONTRACTOR SHALL ROUTE WIRING IN EMT INTO ROOMS TO WITHIN 4" OF FIXTURES. MC CABLING MAY BE USED TO CONNECT BETWEEN FIXTURES THAT ARE A MAXIMUM OF 8' APART ON CENTERS. MC CABLING SHALL BE SUPPORTED FROM STRUCTURE AND SHALL NOT BE SUPPORTED FROM NEW OR EXISTING CEILING ASSEMBLIES. THE CONTRACTOR SHALL PROVIDE LINK-STRIP SPANNING STRUCTURAL MEMBERS WHERE REQUIRED FOR SUPPORT OF ALL RACEWAYS AND WIRING. THIS NOTE SHALL ONLY APPLY TO LIGHTING CIRCUITS.

TAGGED NOTES :

1. ROUTE # OF #12 CONDUCTORS AND #12 GROUND IN 3/4" CONDUIT TO NEW/EXIST 200/1P BREAKER IN EXISTING PANEL INDICATED.
2. CONNECT NEW LIGHTING FIXTURES TO EXISTING CIRCUIT. PROVIDE # OF #12 CONDUCTORS AND #12 GROUND AS INDICATED.
3. EXISTING LIGHT FIXTURE INDICATED TO BE REMOVED AND REINSTALLED IN EXISTING CEILING. RECONNECT TO EXISTING CIRCUIT SERVING FIXTURE.
4. NEW LIGHTING FIXTURES IN SPACE INDICATED SHALL ROUTE CONDUIT IN JOIST SPACE. CONDUIT SHALL BE PAINTED TO MATCH STRUCTURE.
5. PROVIDE (5) #12-196-8000M-4VOLT-40K-BOOR FIXTURES OR EQUAL FOR TEMPORARY LIGHTING UNTIL COMPLETION OF PERMANENT LIGHTING. FIELD COORDINATE EXACT MOUNTING LOCATION.
6. NEW EXTERIOR LIGHTING CONTROL FIXTURE TO BE CONTROLLED BY EXISTING EXTERIOR LIGHTING CONTROLS THROUGH EXISTING FIXTURE INDICATED.



PARTIAL FIRST FLOOR PLAN - LIGHTING - AREA A

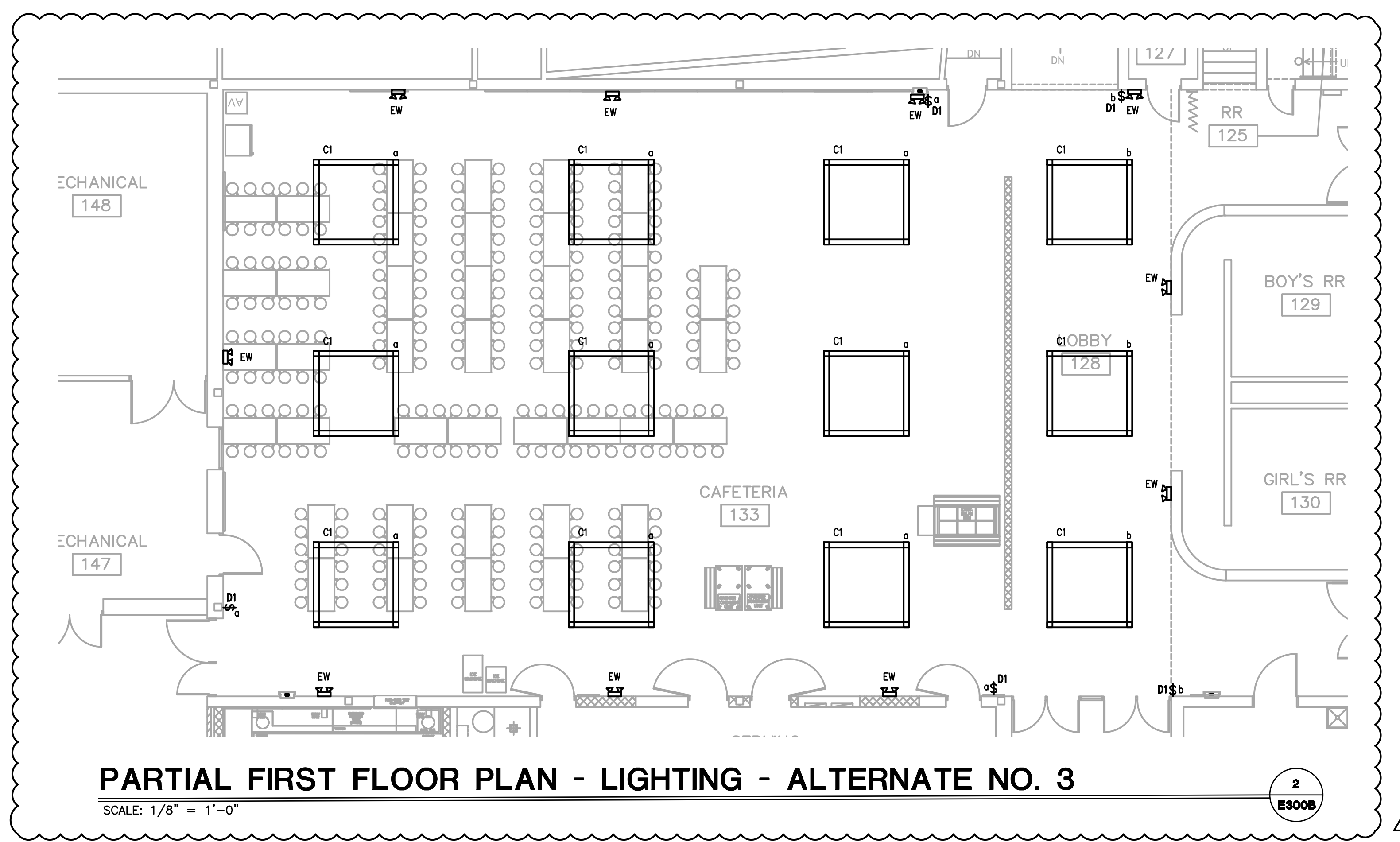
SCALE: 1/4" = 1'-0"

1
ES00A

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Key Plan

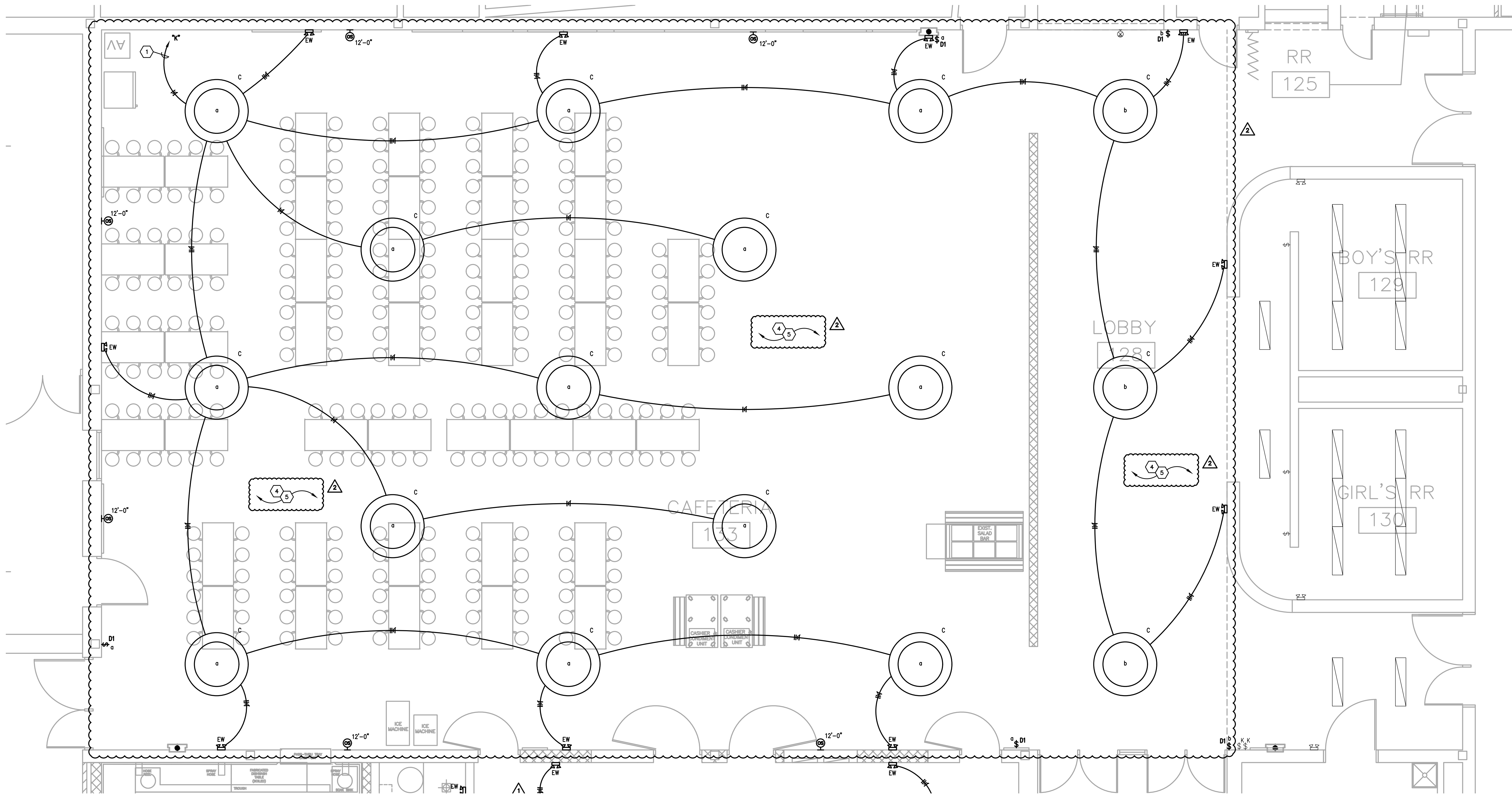
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PARTIAL FIRST FLOOR PLAN - LIGHTING - ALTERNATE NO. 3

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

2
E300B



PARTIAL FIRST FLOOR PLAN - LIGHTING - AREA B

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

1
E300B

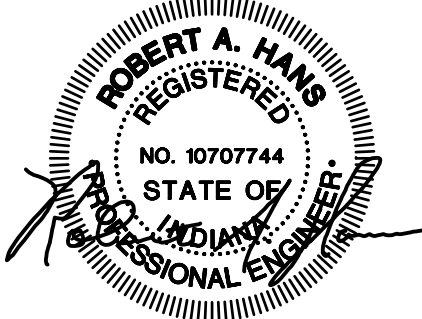
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- B. REFER TO THE ARCHITECT'S REFLECTED CEILING PLANS FOR EXACT LOCATIONS OF ALL CEILING MOUNTED LIGHT FIXTURES, ETC. REFER ALSO TO THE ARCHITECT'S CASEWORK DETAILS AND ROOM ELEVATIONS FOR EXACT LOCATIONS AND MOUNTING HEIGHTS OF LIGHT FIXTURES, ETC. NOTIFY THE ENGINEER OF DISCREPANCY BETWEEN BOTH FOR RULING.
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- G. CUT AND PATCH EXISTING WALL ABOVE/BELOW PANELS AS REQUIRED FOR INSTALLATION OF NEW CIRCUIT HOMERUNS. FIELD EXIST EXACT REQUIREMENTS. PAINT TO MATCH.
- H. CONTRACTOR SHALL ATTEMPT TO "FISH" ALL NEW CABLING/ CIRCUITS AS INDICATED WITHIN CONDUIT INSIDE EXISTING WALLS. IF DETERMINED TO NOT BE POSSIBLE (E.G. SLUSH FILLED CONCRETE BLOCK EXISTING WALLS), CONTRACTOR SHALL THEN ROUTE SURFACE MOUNTED WIRING (OR APPROVED EQUAL) PAINTED TO MATCH ADJACENT SURFACES WHERE IT IS NECESSARY FOR NEW CABLING RUNS. SECRETLY MOUNT TWO-HOLE STRIPS ON 2'-0" CENTERS IN WALL/CEILING CORNERS AND "OUT OF SITE" AS MUCH AS POSSIBLE. SIZE WIREMOLD TO SUIT CABLING AS REQUIRED. SEE DETAIL.
- I. ALL CEILING MOUNTED DEVICES SHALL BE SUPPORTED FROM STRUCTURAL JOISTS ONLY. NO DEVICES SHALL BE SUPPORTED FROM BUILT TEES.
- J. CONTRACTOR SHALL KEEP RECORD OF ALL CIRCUIT POLE NUMBERS FOR ALL NEW CIRCUITS TO EXISTING PANELBOARDS OR AS BUILT DOCUMENTS.
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- S. IN CORRIDORS, STAIRS, LOBBIES, AND OTHER COMMON AREAS, CONTRACTOR SHALL AVOID ROUTING SURFACE MOUNTED RACEWAYS ALONG WALLS. PENETRATE WALL FROM SPACE OPPOSITE OF COMMON AREAS WHERE POSSIBLE. WHERE HORIZONTAL SURFACE MOUNTED RACEWAYS ARE UTILIZED, CONTRACTOR SHALL NOT MOUNT BELOW CEILING PLANE.
- T. CIRCUITING IS DIAGRAMMATIC. PROVIDE AS REQUIRED FOR COMPLETE AND OPERATIONAL SYSTEM.
- U. WHERE EXISTING RECESSED EXIT SIGNS AND LIGHT FIXTURES ARE REMOVED COMPLETE FROM HARD SURFACES THAT WILL REMAIN EXPOSED, CONTRACTOR SHALL PROVIDE STEEL COVER PLATE CONCEAL ENTIRE EXISTING OPENING. BACKPLATE SHALL BE PRE-FINISHED AND FIELD PAINTED TO MATCH ADJACENT FINISHES WHERE FINISHED AND STAINLESS STEEL WHERE MOUNTED ON EXPOSED CONCRETE.
- V. MC CABLING MAY BE USED FOR LIGHT FIXTURE CONNECTIONS WITHIN ROOMS. WHERE LOW VOLTAGE DIMMING/CONTROLS ARE REQUIRED TO BE ROUTED TO THE LIGHT FIXTURES, THE CONTRACTOR SHALL USE MC CABLING WITH ADDITIONAL 16/2 THIN CABLING RATED FOR BODY. THE CONTRACTOR SHALL ROUTE WIRING IN EXIT INTO ROOMS TO WITHIN 6" OF FIXTURES. MC CABLING MAY BE USED TO CONNECT BETWEEN FIXTURES THAT ARE A MAXIMUM OF 8' APART ON CENTERS. MC CABLING SHALL BE SUPPORTED FROM STRUCTURE AND SHALL NOT BE SUPPORTED FROM NEW OR EXISTING CEILING ASSEMBLIES. THE CONTRACTOR SHALL PROVIDE UN-STRUT SPANNING STRUCTURAL MEMBERS WHERE REQUIRED FOR SUPPORT OF ALL RACEWAYS AND WIRING. THIS NOTE SHALL ONLY APPLY TO LIGHTING CIRCUITS.

TAGGED NOTES:

1. ROUTE # OF #12 CONDUCTORS AND #12 GROUND IN 3/4" CONDUIT TO NEW/EXIST 200/1P BREAKER IN EXISTING PANEL INDICATED.
2. CONNECT NEW LIGHTING FIXTURES TO EXISTING CIRCUIT. PROVIDE # OF #12 CONDUCTORS AND #12 GROUND AS INDICATED.
3. EXISTING LIGHT FIXTURE INDICATED TO BE REMOVED AND REINSTALLED IN EXISTING CEILING. RECONNECT TO EXISTING CIRCUIT SERVING FIXTURE.
4. NEW LIGHTING FIXTURES IN SPACE INDICATED SHALL ROUTE CONDUIT IN JOIST SPACE. CONDUIT SHALL BE PAINTED TO MATCH STRUCTURE.
5. PROVIDE (3) #12-196-8000LM-40K-80CRI FIXTURES OR EQUAL FOR TEMPORARY LIGHTING UNTIL COMPLETION OF PERMANENT LIGHTING. FIELD COORDINATE EXACT MOUNTING LOCATION.
6. NEW EXTERIOR LIGHTING CONTROL FIXTURE TO BE CONTROLLED BY EXISTING EXTERIOR LIGHTING CONTROLS THROUGH EXISTING FIXTURE INDICATED.



ISSUED FOR	DATE
Public Bidding	04-03-2024
Addendum No. 1	04-12-2024
Addendum No. 2	04-22-2024

PROJECT TITLE
**NORTH HARRISON
ELEMENTARY SCHOOL**
2024 ADDITIONS AND
RENOVATIONS

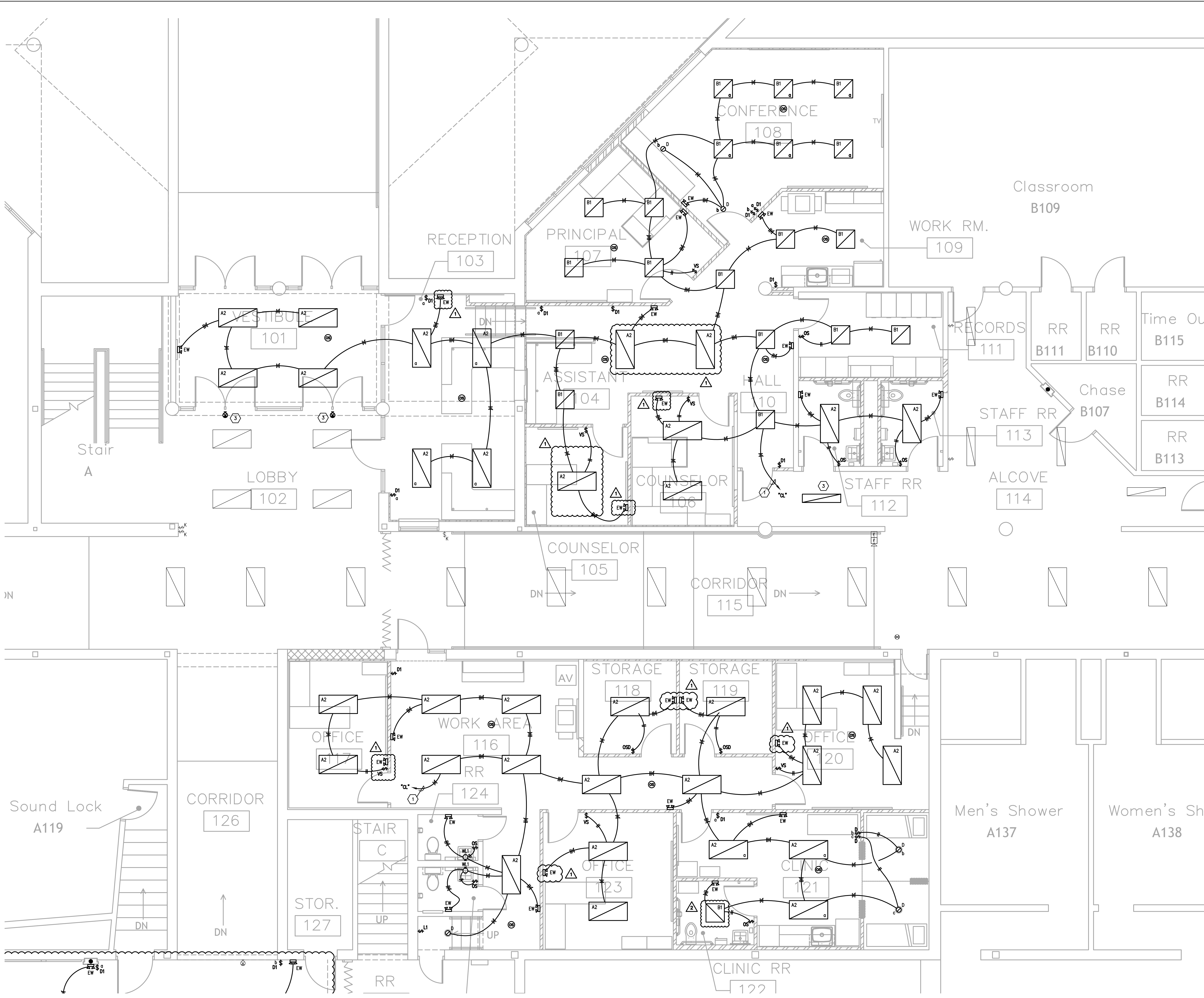
OWNER
**NORTH HARRISON
COMMUNITY SCHOOLS**
1115 W WHISKEY RUN RD, NW
RAMSEY, IN 47166

SHEET NUMBER
E300B
DATE
APRIL 3, 2024

Key Plan

CMTA
A L. L. BECKETT Company
10411 Meeting Street,
Prospect, Kentucky 40059
502.326.3065 F.502.326.2691
www.cmta.com

SHEET TITLE
**PARTIAL FIRST FLOOR PLAN -
LIGHTING - AREA B**



GENERAL NEW WORK NOTES (LIGHTING):

- A. THE CONTRACTOR SHALL MAINTAIN THE CONTINUITY OF EXISTING CIRCUITS THAT CONTAIN DEVICES OR EQUIPMENT THAT ARE TO REMAIN. WHEN DEMOLITION OF AN ELECTRICAL DEVICE (OR CIRCUIT) IS INDICATED ON THE DRAWINGS, THE CONTRACTOR SHALL INSURE THAT OTHER DEVICES OR EQUIPMENT "UPSTREAM" OR "DOWNSTREAM" ON THE CIRCUITS SHALL REMAIN IN "PRE-DEMOLITION" WORKING ORDER. "LEFT-OVER" CIRCUIT BREAKERS SHALL REMAIN AND BE LABELED AS SPARES IN THEIR PANELS. PROVIDE NEW TYPED DIRECTORIES FOR ALL PANELS AFFECTED.
- B. REFER TO THE ARCHITECT'S REFLECTED CEILING PLANS FOR EXACT LOCATIONS OF ALL CEILING MOUNTED LIGHT FIXTURES ETC. REFER ALSO TO THE ARCHITECT'S CASEWORK DETAILS AND ROOM ELEVATIONS FOR EXACT LOCATIONS AND MOUNTING HEIGHTS OF LIGHT FIXTURES. ETC. NOTIFY THE ENGINEER OF DISCREPANCY BETWEEN BOTH FOR RULING.
- C. ALL NEW WIRING SHALL BE #12 WITH A #12 INSULATED GROUND WIRE (I.O.N.). CONDUIT SHALL BE 3/4" MINIMUM.
- D. CONTRACTOR SHALL FOLLOW BRANCH CIRCUITING LAY-OUT, AS INDICATED ON THE FLOOR PLANS, WITH A MAXIMUM OF THREE (3) BRANCH CIRCUITS PER HOMERUN. EACH BRANCH CIRCUIT SHALL BE PROVIDED WITH A DEDICATED NEUTRAL CONDUCTOR. DEDICATED NEUTRAL CONDUCTORS SHALL BE CONSIDERED CURRENT CARRYING. IF ADDITIONAL CONDUCTORS ARE RUN IN THE SAME CONDUIT WITH THOSE INDICATED, CONTRACTOR SHALL DERATE ALL CURRENT CARRYING CONDUCTORS PER N.E.C. #310.15(B)(2), AND UPSIZE CONDUIT AS REQUIRED PER N.E.C. #300.17 AND ANNEX C. MULTIPLE BRANCH CIRCUITS AS DEFINED IN N.E.C. #100 / 210.4 (CIRCUITS SHARING A COMMON NEUTRAL CONDUCTOR) SHALL NOT BE PERMITTED.
- E. PROVIDE TEMPORARY EMERGENCY EXIT LIGHTS AT CONSTRUCTION BARRIERS AS REQUIRED. THE CONTRACTOR SHALL USE THE EXISTING CORRIDOR LIGHT FIXTURES FOR TEMPORARY LIGHTING WHERE POSSIBLE.
- F. IDENTIFY THE PANEL AND CIRCUIT NUMBER FOR ALL RECEPTACLES, SWITCHES, ETC. IN AREA OF CONSTRUCTION. ALSO, MARK INSIDES OF ALL JUNCTION BOX COVERS WITH PANEL AND CIRCUIT NUMBER.
- G. CUT AND PATCH EXISTING WALL ABOVE/BELOW PANELS AS REQUIRED FOR INSTALLATION OF NEW CIRCUIT HOMERUNS. FIELD VERTICALLY TO EXACT FINISH PAINT TO MATCH EXISTING.
- H. CONTRACTOR SHALL ATTEMPT TO "FISH" ALL NEW CABLING/ CIRCUITS AS INDICATED WITHIN CONDUIT INSIDE EXISTING WALLS. IF DETERMINED TO NOT BE POSSIBLE (E.G. SLUSH FILLED CONCRETE BLOCK EXISTING WALLS), CONTRACTOR SHALL THEN ROUTE SURFACE-MOUNTED WIRING (OR APPROVED EQUAL) PAINTED TO MATCH ADJACENT SURFACES WHERE IT IS NECESSARY FOR NEW CABLING PLANS. SECURELY MOUNT TWO-HOLE STRAPS ON 2"-C" CENTERS IN WALL/CEILING CORNERS AND "OUT OF SITE" AS MUCH AS POSSIBLE. SIZE WIRING TO SUIT CABLING AS REQUIRED. SEE DETAIL.
- I. ALL CEILING MOUNTED DEVICES SHALL BE SUPPORTED FROM STRUCTURAL JOISTS ONLY. NO DEVICES SHALL BE SUPPORTED FROM BUILT TEES.
- J. CONTRACTOR SHALL KEEP RECORD OF ALL CIRCUIT POLE NUMBERS FOR ALL NEW CIRCUITS TO EXISTING PANELBOARDS OR AS BUILT DOCUMENTS.
- K. CONTRACTOR SHALL INDICATE ALL EMERGENCY TRANSFER DEVICE "ET" INSTALLATION LOCATIONS ON AS BUILT SET OF PLANS. REFER TO DETAIL FOR LOCATION AND LABELING REQUIREMENTS.
- L. IN ROOMS WHERE EXISTING LIGHTING IS BEING REPLACED, EXISTING RECEPTACLE BRANCH CIRCUITS MAY BE UTILIZING SAME RACEWAY AND CIRCUIT. EXISTING BRANCH CIRCUITS SERVING RECEPTACLES SHALL REMAIN AND OLD SWITCHING BE REMOVED. LIGHTING BRANCH CIRCUITS AND RACEWAYS SHALL BE COMPLETED IN NEW UNLESS OTHERWISE INDICATED.
- M. ALL OCCUPANCY AND VACANCY SENSORS IN ROOM SHALL BE CONNECTED TO WORK AS ONE CONTROLLER FOR ENTIRE ROOM. DETECTION OF OCCUPANCY BY ONE SENSOR SHALL ENABLE ALL LIGHTS IN THE ROOM TO OPERATE (TYPICAL).
- N. CONTRACTOR SHALL MINIMIZE BEAM CROSSINGS IN CLASSROOMS AT EXPOSED BEAMS, WHERE BEAM IS EXPOSED ROUTE IN SURFACE 3/4" EXT IN A NEAT, ORDERLY FASHION GROUPED WITH OTHER RACEWAY CROSSINGS. EXT TO BE PAINTED TO MATCH ADJACENT SURFACES.
- O. PROVIDE ALL EXIT SIGNS WITH AN UNSWITCHED EMERGENCY HOT CONDUCTOR FOR CONSTANT ILLUMINATION.
- P. PROVIDE ALL EMERGENCY LIGHTING TRANSFER DEVICES (ET) WITH AN UNSWITCHED NORMAL POWER CONDUCTOR FROM LIGHTING CIRCUIT SERVING THE SAME AREA AS THE EMERGENCY FIXTURES ASSOCIATED WITH THE TRANSFER DEVICE.
- Q. CLASSROOM LIGHTING AND PROJECTOR LOCATIONS TO BE COORDINATED SUCH THAT LIGHTING DOORS DO NOT INTERFERE WITH PROJECTOR LOCATIONS. EC SHALL COORDINATE WITH GC AND CEILING GRID INSTALLER PRIOR TO ROUGH-IN FOR FINAL LAYOUT.
- R. WHERE #MC IS INDICATED, LIGHTING IS TO BE CONTROLLED BY CONTROLLABLE BREAKER PANEL.
- S. IN CORRIDORS, STAIRS, LOBBIES, AND OTHER COMMON AREAS, CONTRACTOR SHALL AVOID ROUTING SURFACE MOUNTED RACEWAYS ALONG WALLS. PENETRATE WALL FROM SPACE OPPOSITE OF COMMON AREAS WHERE POSSIBLE. WHERE HORIZONTAL SURFACE MOUNTED RACEWAYS ARE UTILIZED, CONTRACTOR SHALL NOT MOUNT BELOW CEILING PLANE.
- T. CIRCUITING IS DIAGRAMMATIC. PROVIDE AS REQUIRED FOR COMPLETE AND OPERATIONAL SYSTEM.
- U. WHERE EXISTING RECESSED EXIT SIGNS AND LIGHT FIXTURES ARE REMOVED COMPLETE FROM HARD SURFACES THAT WILL REMAIN EXPOSED, CONTRACTOR SHALL PROVIDE STEEL COVER PLATE CONCEAL ENTIRE EXISTING OPENING. BACKPLATE SHALL BE PRE-FINISHED AND FIELD PAINTED TO MATCH ADJACENT FINISHES WHERE FINISHED AND STAINLESS STEEL WHERE MOUNTED ON EXPOSED CONCRETE.
- V. MC CABLING MAY BE USED FOR LIGHT FIXTURE CONNECTIONS WITHIN ROOMS. WHERE LOW VOLTAGE DIMMING/CONTROLS ARE REQUIRED TO BE ROUTED TO THE LIGHT FIXTURES, THE CONTRACTOR SHALL ROUTE WIRING IN EMT INTO ROOMS TO WITHIN 4" OF FIXTURES. MC CABLING MAY BE USED TO CONNECT BETWEEN FIXTURES THAT ARE A MAXIMUM OF 8' APART ON CENTERS. MC CABLING SHALL BE SUPPORTED FROM STRUCTURE AND SHALL NOT BE SUPPORTED FROM NEW OR EXISTING CEILING ASSEMBLIES. THE CONTRACTOR SHALL PROVIDE UN-STRUT SPANNING STRUCTURAL MEMBERS WHERE REQUIRED FOR SUPPORT OF ALL RACEWAYS AND WIRING. THIS NOTE SHALL ONLY APPLY TO LIGHTING CIRCUITS.

TAGGED NOTES :

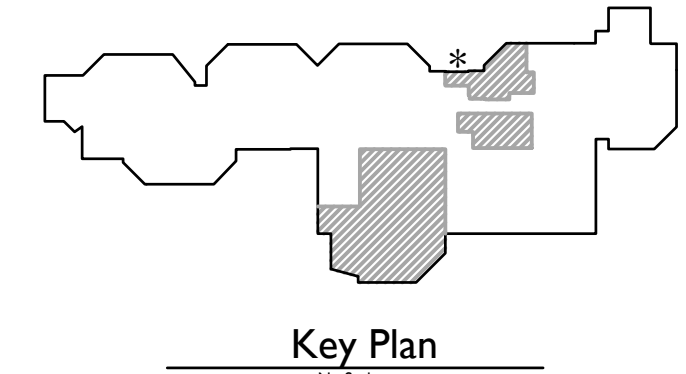
1. ROUTE # OF #12 CONDUCTORS AND #12 GROUND IN 3/4" CONDUIT TO NEW/EXIST 200/1P BREAKER IN EXISTING PANEL INDICATED.
2. CONNECT NEW LIGHTING FIXTURES TO EXISTING CIRCUIT. PROVIDE # OF #12 CONDUCTORS AND #12 GROUND AS INDICATED.
3. EXISTING LIGHT FIXTURE INDICATED TO BE REMOVED AND REINSTALLED IN EXISTING CEILING. RECONNECT TO EXISTING CIRCUIT SERVING FIXTURE.
4. NEW LIGHTING FIXTURES IN SPACE INDICATED SHALL ROUTE CONDUIT IN JOIST SPACE. CONDUIT SHALL BE PAINTED TO MATCH STRUCTURE.
5. PROVIDE (3) #12-196-8000M-4VOLT-40K-BOOR FIXTURES OR EQUAL FOR TEMPORARY LIGHTING UNTIL COMPLETION OF PERMANENT LIGHTING. FIELD COORDINATE EXACT MOUNTING LOCATION.
6. NEW EXTERIOR LIGHTING CONTROL FIXTURE TO BE CONTROLLED BY EXISTING EXTERIOR LIGHTING CONTROLS THROUGH EXISTING FIXTURE INDICATED.

Notice
 The Architect/Engineer does not define the scope of individual trades, subcontractors, material suppliers, or vendors. Any sheet numbering system used which identifies disciplines is solely for the Architect/Engineer's convenience, and is not intended to define a subcontractor's scope of work. Information regarding individual trades, subcontractors, material suppliers, and vendors may be detailed, described and indicated at different locations throughout these documents. No consideration will be given to requests for change orders for failure to obtain and review the complete set of drawings and specifications when preparing bids, prices, and quotations.

PARTIAL FIRST FLOOR PLAN - LIGHTING - AREA C

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

1
 E300C



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SHEET TITLE
PARTIAL FIRST FLOOR PLAN - LIGHTING - AREA C

SHEET NUMBER
E300C

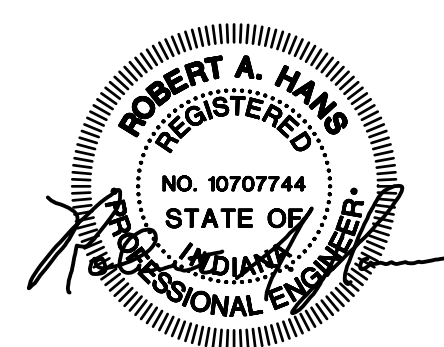
OWNER
NORTH HARRISON COMMUNITY SCHOOLS

PROJECT TITLE
NORTH HARRISON ELEMENTARY SCHOOL

2024 ADDITIONS AND RENOVATIONS

ISSUED FOR
 Public Bidding
 Addendum No. 1
 Addendum No. 2

DATE
 04-03-2024
 04-12-2024
 04-22-2024



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 Architecture - Engineering - Interiors
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ISSUED FOR DATE
Public Bidding Addendum No. 1 04-03-2024
Addendum No. 2 04-12-2024

PROJECT TITLE
NORTH HARRISON
ELEMENTARY SCHOOL

OWNER
NORTH HARRISON
COMMUNITY SCHOOLS

1115 W WHISKEY RUN RD. NW
RAMSEY, IN 47166

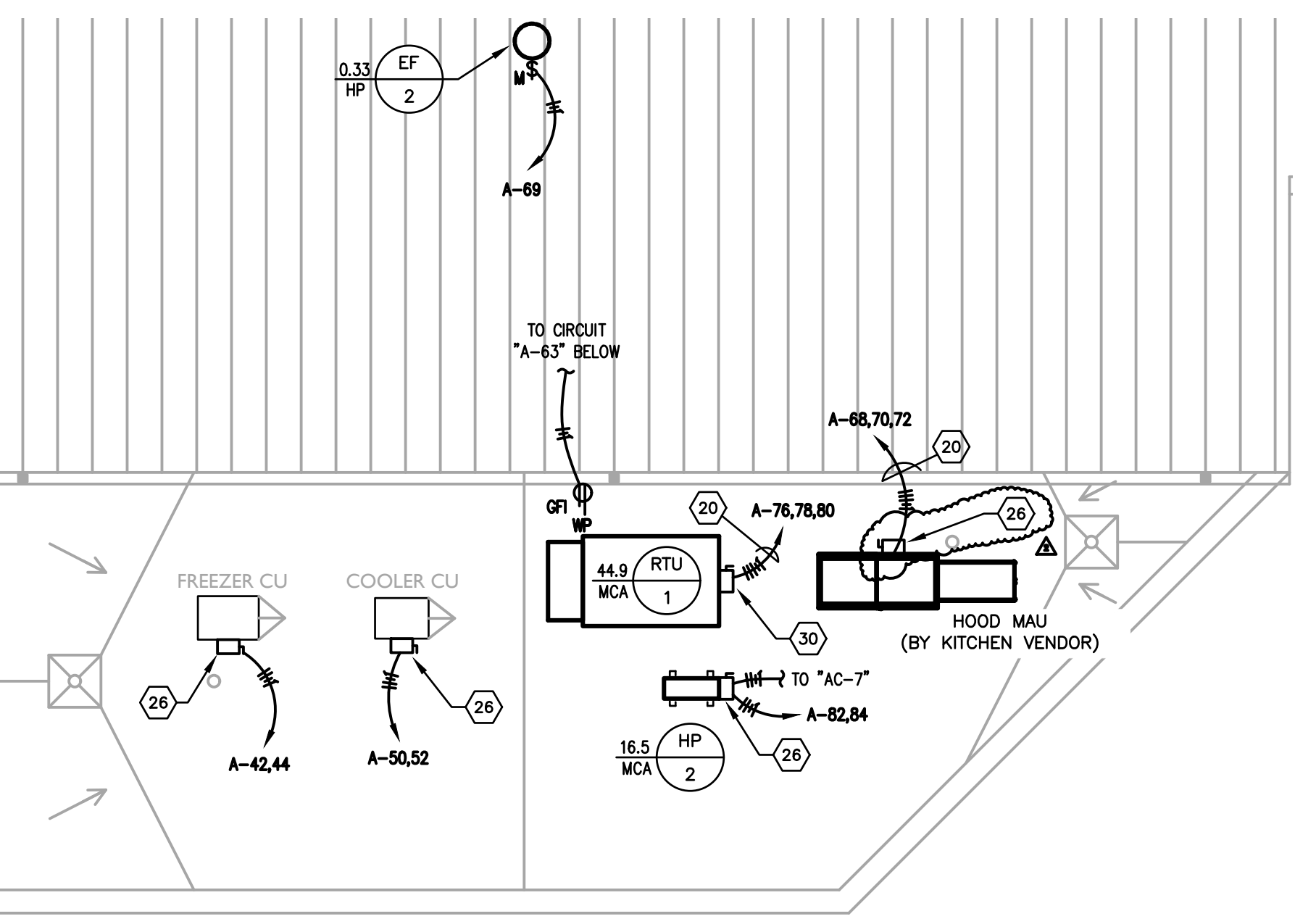
2024 ADDITIONS AND
RENOVATIONS

SHEET NUMBER
PARTIAL FIRST FLOOR PLAN -
POWER/SYSTEMS - AREA A
DATE
APRIL 3, 2024
E400A

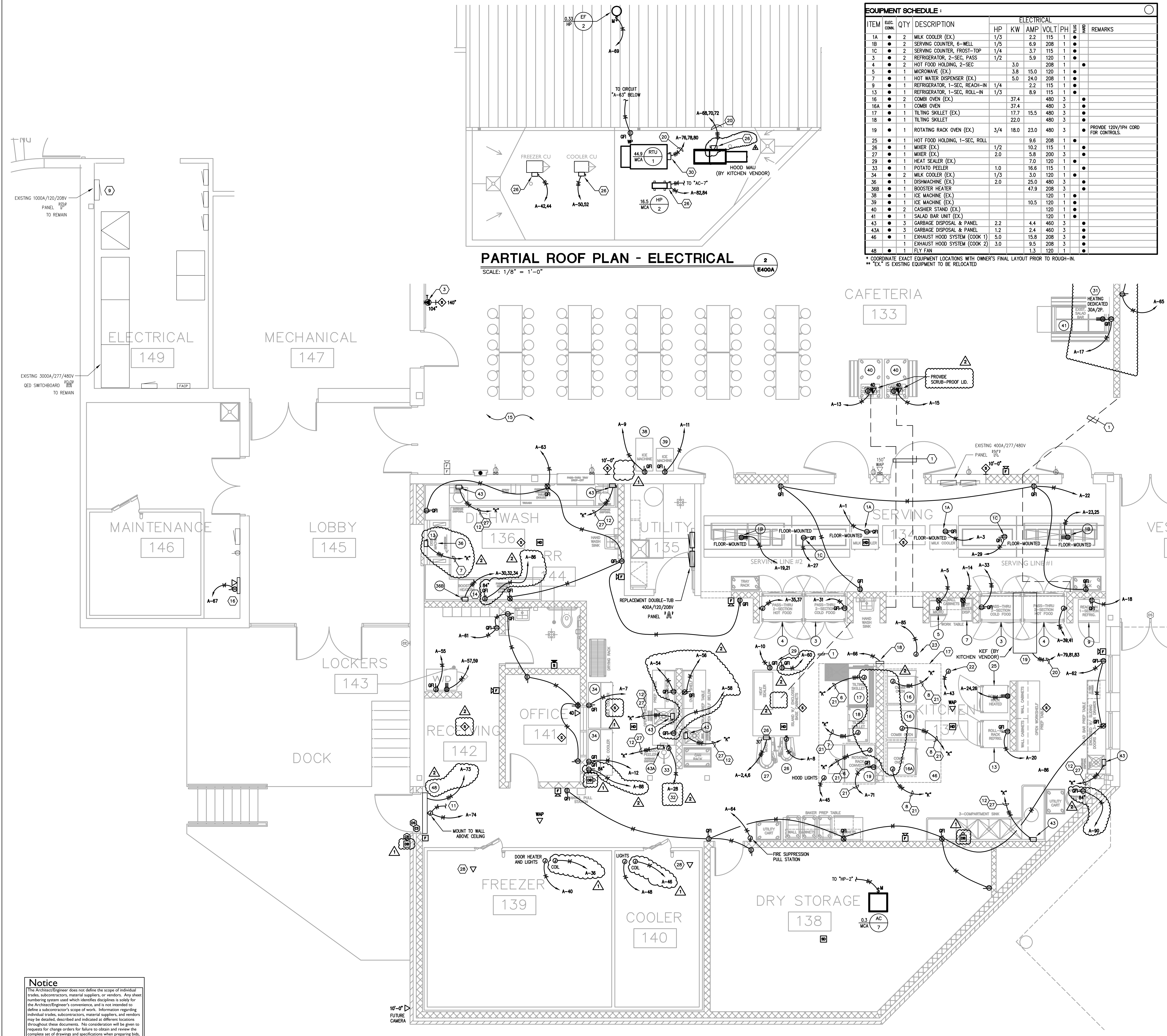
EQUIPMENT SCHEDULE :

ITEM	QTY	DESCRIPTION	HP	KW	AMP	VOLT	PH	REMARKS
1A	2	MILK COOLER (EX.)	1/3	2.2	115	1		
1B	2	SERVING COUNTER, 6-WELL	1/5	6.9	208	1		
1C	2	SERVING COUNTER, FROST-TOP	1/4	3.7	115	1		
3	2	REFRIGERATOR, 2-SEC. PASS	1/2	5.9	120	1		
4	2	HOT FOOD HOLDING, 2-SEC		3.0	208	1		
5	1	MICROWAVE (EX.)		3.8	15.0	120	1	
7	1	HOT WATER DISPENSER (EX.)		5.0	24.0	208	1	
9	1	REFRIGERATOR, 1-SEC. REACH-IN	1/4	2.2	115	1		
13	1	REFRIGERATOR, 1-SEC. ROLL-IN	1/3	8.9	115	1		
16	2	COMBI OVEN (EX.)		37.4	480	3		
16A	1	COMBI OVEN		37.4	480	3		
17	1	TILTING SKILLET (EX.)		17.7	15.5	480	3	
18	1	TILTING SKILLET		22.0	480	3		
19	1	ROTATING RACK OVEN (EX.)	3/4	18.0	23.0	480	3	PROVIDE 120V/1PH CORD FOR CONTROLS.
25	1	HOT FOOD HOLDING, 1-SEC. ROLL		9.6	208	1		
26	1	MIXER (EX.)	1/2	10.2	115	1		
27	1	MIXER	2.0	5.8	200	3		
29	1	HEAT SEALER (EX.)		7.0	120	1		
33	1	POTATO PEELER	1.0	16.6	115	1		
34	2	MILK COOLER (EX.)	1/3	3.0	120	1		
36	1	DISHMACHINE (EX.)	2.0	25.0	480	3		
36B	1	BOOSTER HEATER		47.9	208	3		
38	1	ICE MACHINE (EX.)			120	1		
39	1	ICE MACHINE		10.5	120	1		
40	2	CASHER STAND (EX.)			120	1		
41	1	SALAD BAR UNIT (EX.)			120	1		
43	3	GARBAGE DISPOSAL & PANEL	2.2	4.4	460	3		
43A	3	GARBAGE DISPOSAL & PANEL	1.2	2.4	460	3		
46	1	EXHAUST HOOD SYSTEM (COOK 1)	5.0	15.8	208	3		
46	1	EXHAUST HOOD SYSTEM (COOK 2)	3.0	9.5	208	3		
48	1	FLY FAN		1.3	120	1		

* COORDINATE EXACT EQUIPMENT LOCATIONS WITH OWNER'S FINAL LAYOUT PRIOR TO ROUGH-IN.
** "EX." IS EXISTING EQUIPMENT TO BE RELOCATED.



PARTIAL ROOF PLAN - ELECTRICAL
SCALE: 1/8" = 1'-0"
2
E400A



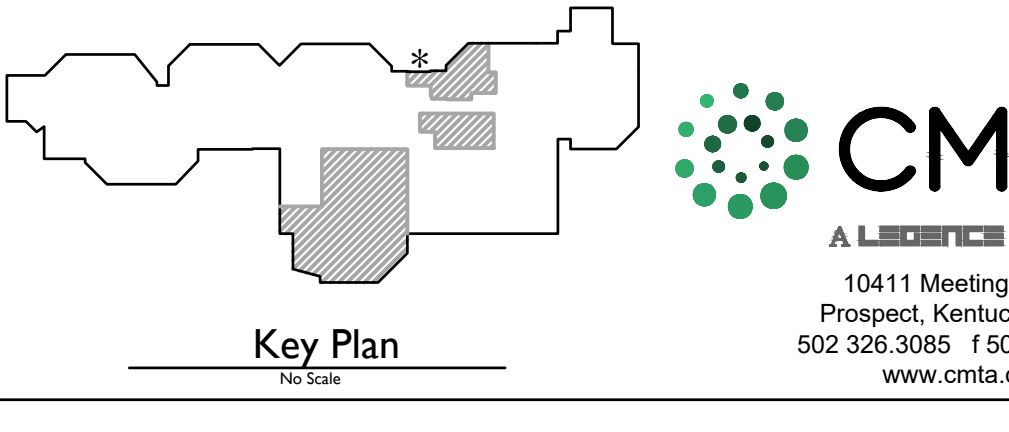
PARTIAL FIRST FLOOR PLAN - POWER/SYSTEMS - AREA A
SCALE: 1/4" = 1'-0"
1
E400A

GENERAL NEW WORK NOTES (POWER/SYSTEMS) :

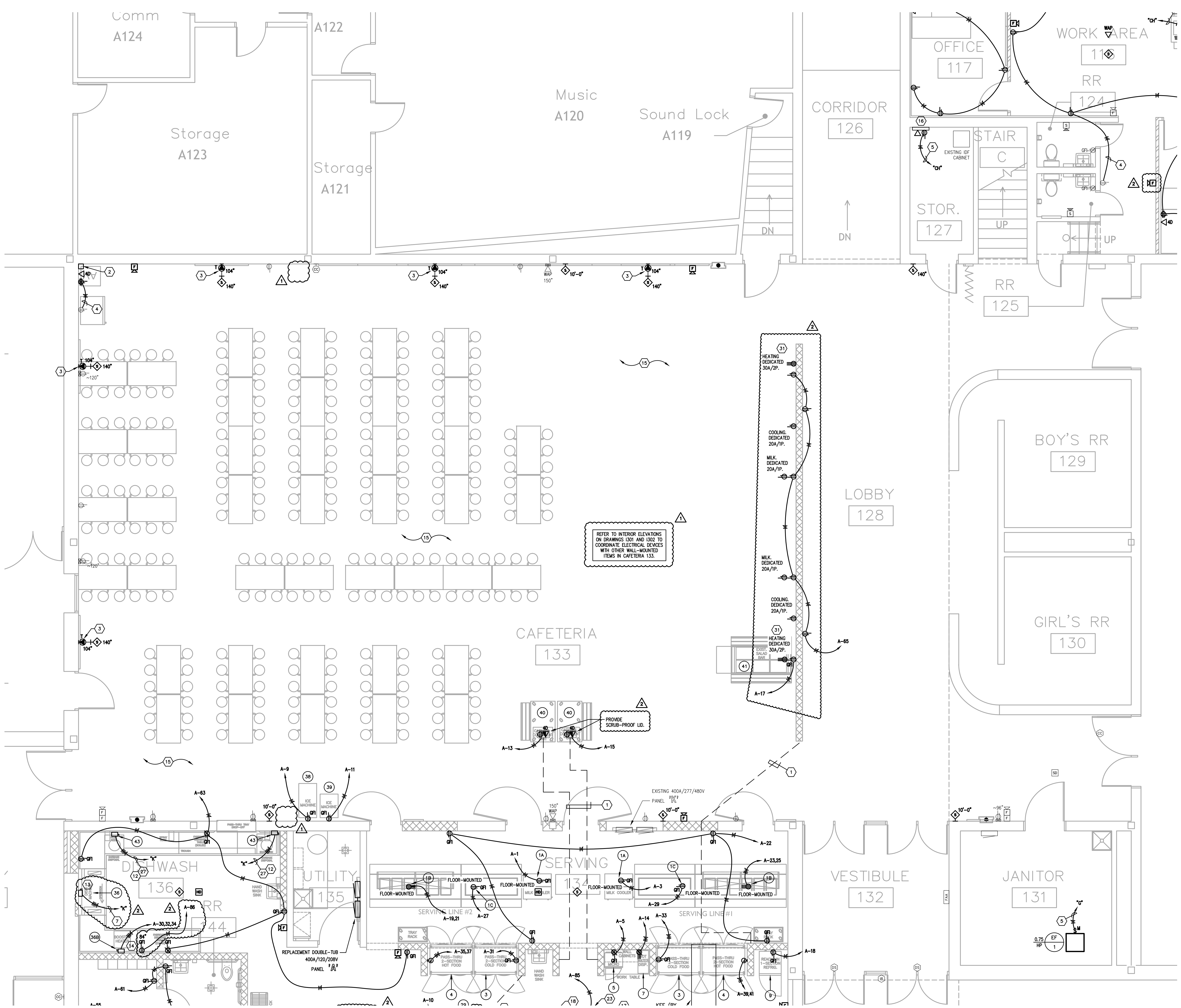
- REFER TO THE ARCHITECT'S REFLECTED CEILING PLANS, ELEVATIONS, AND CASEWORK DETAILS FOR EXACT LOCATIONS OF ALL WALL AND CEILING MOUNTED ELECTRICAL DEVICES.
- CONTRACTOR SHALL FOLLOW BRANCH CIRCUITING LAY-OUT, AS INDICATED ON THE FLOOR PLANS, WITH A MAXIMUM OF THREE (3) BRANCH CIRCUITS PER HOMERUN. EACH BRANCH CIRCUIT SHALL BE PROVIDED WITH A DEDICATED NEUTRAL CONDUCTOR. DEDICATED NEUTRAL CONDUCTORS SHALL BE CONSIDERED CURRENT CARRYING. IF ADDITIONAL CONDUCTORS ARE RUN IN THE SAME CONDUIT WITH THOSE INDICATED, CONTRACTOR SHALL DERATE ALL CURRENT CARRYING CONDUCTORS PER NEC 310.15(B)(3), AND UPSEIZ CONDUIT AS REQUIRED PER NEC 300.17 AND ANNEX C. MULTIPLE BRANCH CIRCUITS AS DEFINED IN NEC 100 / 210.4 (CIRCUITS SHARING A COMMON NEUTRAL CONDUCTOR) SHALL NOT BE PERMITTED.
- IDENTIFY THE PANEL AND CIRCUIT NUMBER FOR ALL RECEPTACLES, SWITCHES, ETC. IN AREA OF CONSTRUCTION. MARK SIDES OF ALL DEVICE BOXES WITH PANEL AND CIRCUIT NUMBER.
- RECEPTACLES THAT ARE CONTROLLED BY AN AUTOMATIC MEANS SUCH AS OCCUPANCY SENSOR OR ENERGY MANAGEMENT SYSTEM SHALL BE MARKED IN ACCORDANCE WITH NEC 406.3(E).
- LOCATIONS OF ELECTRICAL CONNECTIONS AND LOCAL DISCONNECTS SHALL BE COORDINATED WITH MECHANICAL AND PLUMBING CONTRACTORS TO ENSURE ACCESS AND WORKING CLEARANCE IS MAINTAINED PER NEC. NOTIFY OTHER TRADES OF REQUIRED CLEARANCE AREAS TO AVOID ROUTING OF OTHER SYSTEMS IN THESE AREAS. DO NOT INSTALL ELECTRICAL EQUIPMENT OVER EQUIPMENT NAMEPLATES OR ACCESS PANELS OR THROUGH ACCESS/MAINTENANCE CLEARANCES OF EQUIPMENT BY OTHER TRADES.
- NO CONDUIT SHALL BE INSTALLED UNDERGROUND, EXCEPT FOR DISTRIBUTION EQUIPMENT FEEDERS, UNLESS REQUIRED FOR THE APPLICATION (FLOOR BOSES, ISLANDS, ETC.) OR SPECIFICALLY INDICATED AS SUCH IN CONSTRUCTION DOCUMENTS. NO CONDUIT SHALL BE INSTALLED WITH CONCRETE SLABS.
- REFER TO "SYSTEM INSTALLATION MATRIX" (ON SYSTEMS LEGEND SHEET) AND SPECIFICATIONS FOR CONTRACTOR REQUIREMENTS OF EACH SYSTEM.
- THE CONTRACTOR SHALL ROUTE ALL "SYSTEM CONDUIT SUB-UPS" TO THE NEAREST CORRIDOR CABLING PATH (SEE "STUB-UP" DETAILS). REFER TO CABLING PATH INSTALLATION DETAIL FOR ADDITIONAL REQUIREMENTS.
- CONTRACTOR SHALL PAINT ALL SYSTEMS CONDUIT SUB-UPS LIGHT BLUE FOR SYSTEMS CABLING INTO THE CORRIDOR CABLING PATH. PROVIDE PULL STRINGS IN ALL NEW CONDUIT RUNS FOR SYSTEM CABLING INSTALLATION.
- ALL RECEPTACLES SHOWN AS EXISTING TO REMAIN SHALL BE REPLACED IN PLACE WITH NEW TAMPER RESISTANT DEVICE. EXISTING WIRING SHALL BE REUSED UNLESS NOTED OTHERWISE.

TAGGED NOTES :

- CUT AND PATCH FLOOR FOR NEW RACEWAYS TO FLOOR BOSES. ROUTE CONCEALED IN NEW WALL INFILL.
- PROVIDE 6"x6" BOX FOR TERMINATION OF CAFETERIA T.V. CONDUITS. ROUTE SURFACE CONDUITS IN STORAGE A123 AND STUB THRU WALL INTO CAFETERIA. FIELD VERIFY EXACT ROUTES.
- PROVIDE ADDITIONAL SINGLE-GANG BOX AND 1-1/4" CONDUIT TO A.V. RACK IN CAFETERIA.
- CONNECT NEW ELECTRICAL DEVICES IN CIRCUIT TO EXISTING CIRCUIT INDICATED. PROVIDE # OF #12 CONDUCTORS AND #12 GROUND IN 3/4" CONDUIT TO NEW/SPARE 20A/1P BREAKER(S) IN EXISTING PANEL INDICATED.
- PROVIDE # OF #12 CONDUCTORS AND #12 GROUND IN 3/4" CONDUIT TO NEW/SPARE 20A/1P BREAKER(S) IN EXISTING PANEL INDICATED.
- PROVIDE # OF #10 CONDUCTORS AND #10 GROUND IN 3/4" CONDUIT TO NEW/SPARE 30A/3P BREAKER(S) IN EXISTING PANEL INDICATED.
- PROVIDE # OF #8 CONDUCTORS AND #10 GROUND IN 3/4" CONDUIT TO NEW/SPARE 40A/3P BREAKER(S) IN EXISTING PANEL INDICATED.
- PROVIDE # OF #6 CONDUCTORS AND #10 GROUND IN 1" CONDUIT TO NEW/SPARE 60A/3P BREAKER(S) IN EXISTING PANEL INDICATED.
- PROVIDE NEW 400A/3P CIRCUIT BREAKER IN EXISTING DISTRIBUTION PANEL INDICATED FOR REPLACEMENT PANEL "A". REMOVE EXISTING SPARE BREAKERS AS REQUIRED TO CREATE SPACE. FIELD VERIFY EXACT CONDITIONS.
- PROVIDE # OF #8 CONDUCTORS AND #10 GROUND IN 3/4" CONDUIT TO NEW/SPARE 40A/2P BREAKER(S) IN EXISTING PANEL INDICATED.
- WIRE NEW DOOR POWER SUPPLY INTO BUILDING FIRE ALARM SYSTEM.
- PROVIDE 30A/600V/3P FUSIBLE DISCONNECT IN NEMA-1 ENCLOSURE. FUSED AT EQUIPMENT NAMEPLATE. COORDINATE EXACT LOCATION WITH ALL TRADES PRIOR TO ROUGH-IN.
- PROVIDE 60A/600V/3P FUSIBLE DISCONNECT IN NEMA-1 ENCLOSURE. FUSED AT EQUIPMENT NAMEPLATE. COORDINATE EXACT LOCATION WITH ALL TRADES PRIOR TO ROUGH-IN.
- PROVIDE 60A/240V/3P FUSIBLE DISCONNECT IN NEMA-1 ENCLOSURE. FUSED AT EQUIPMENT NAMEPLATE. COORDINATE EXACT LOCATION WITH ALL TRADES PRIOR TO ROUGH-IN.
- ALL NEW SURFACE RACEWAY REQUIRED FOR DEVICE INSTALLATION IN THE CAFETERIA SHALL BE CHARACTERIZED BY CHAOTIC PATTERNING AND POKE THROUGH FROM BEHIND WHEREVER POSSIBLE TO AVOID SURFACE WIRING IN THE CAFETERIA. WHERE SURFACE WIRING IS INSTALLED IN ANY FINISHED SPACE, WIRING SHALL BE USED AND PAINTED TO MATCH ADJACENT SURFACES. FIELD VERIFY EXACT CONDITIONS.
- PROVIDE POWER AND NETWORK DATA DROP TO HVAC CONTROL PANEL. PROVIDE 120V CONNECTION AND DATA BOXES AS REQUIRED. COORDINATE EXACT REQUIREMENTS WITH MECHANICAL CONTRACTOR.
- PROVIDE ALL NECESSARY CONNECTIONS FROM EXISTING FIRE ALARM SIGNALING LOOP TO FIRE SUPPRESSION SYSTEM.
- HOOD CONTROL PANEL. COORDINATE EXACT MOUNTING LOCATION WITH ALL TRADES PRIOR TO ROUGH-IN. REFER TO VENDOR DRAWINGS FOR FURTHER REQUIREMENTS.
- KITCHEN EXHAUST FAN TO BE MOUNTED TO PLATFORM ABOVE CEILING. REFER TO VENDOR DRAWINGS FOR FURTHER REQUIREMENTS.
- PROVIDE RACEWAY AND WIRING FOR CONTROL CONNECTION FROM HOOD CONTROL PANEL. AS REQUIRED BY KITCHEN HOOD INSTALLATION DRAWINGS.
- ROUTE CIRCUIT INDICATED THROUGH KITCHEN HOOD CONTROL. CONTRACTOR FOR EMERGENCY SHUTDOWN. REFER TO KITCHEN HOOD CONTROL SCHEMATIC FOR ADDITIONAL REQUIREMENTS.
- PROVIDE CONTRACTOR FOR HOOD EQUIPMENT EMERGENCY SHUTDOWN. MOUNT ABOVE CEILING AT ACCESSIBLE LOCATION. REFER TO KITCHEN HOOD CONTROL SCHEMATIC FOR ADDITIONAL REQUIREMENTS.
- PROVIDE ROUGH-IN, CONDUIT, AND WIRING FOR HOOD FIRE SUPPRESSION ACTIVATION STATION. COORDINATE EXACT REQUIREMENTS WITH KITCHEN VENDOR SHOP DRAWINGS.
- PROVIDE # OF #12 CONDUCTORS AND #12 GROUND IN 3/4" CONDUIT TO NEW/SPARE 20A/2P BREAKER IN EXISTING PANEL INDICATED.
- EXISTING INTERCOM SYSTEM SHALL REMAIN AT LOCATED INDICATED AS PART OF BASE BID. CONTRACTOR SHALL REMOVE EXISTING DEVICES AND CABLING WHERE INDICATED ON PLANS AND REPLACE WITH NEW AS PART OF BASE BID. CONTRACTOR SHALL PROVIDE NEW CABLING BACK TO EXISTING INTERCOM RACK WITH LENGTH TO BE EXTENDED TO THE RACK LOCATED IN STORAGE 127 AS PART OF FUTURE INTERCOM UPGRADE. ALTERNATE PRIOR SHALL REMOVE ALL NEW INTERCOM SCOPE FOR A BUILDING-WIDE INTERCOM UPGRADE. THAT WOULD BE PART OF A SEPARATE CONTRACT. ALL DEMOLITION SCOPE WOULD REMAIN IN THIS CONTRACT.
- PROVIDE 30A/240V/3P FUSIBLE DISCONNECT IN NEMA-3R ENCLOSURE. FUSED AT EQUIPMENT NAMEPLATE. COORDINATE EXACT LOCATION WITH ALL TRADES PRIOR TO ROUGH-IN.
- PROVIDE # OF #12 CONDUCTORS AND #12 GROUND IN 3/4" CONDUIT TO NEW/SPARE 20A/3P BREAKER IN EXISTING PANEL INDICATED.
- PROVIDE NETWORK DROP TO WALK-IN EQUIPMENT FOR TEMPERATURE MONITORING. COORDINATE EXACT LOCATION WITH VENDOR.
- EXISTING INTERCOM SYSTEM HANDSET RELOCATED TO NEW RECEPTION DESK AS INDICATED AS PART OF INTERCOM SYSTEM ALTERNATE. PROVIDE CONNECTIONS THROUGH DESK AS REQUIRED.
- PROVIDE 60A/240V/3P FUSIBLE DISCONNECT IN NEMA-3R ENCLOSURE. FUSED AT EQUIPMENT NAMEPLATE. COORDINATE EXACT LOCATION WITH ALL TRADES PRIOR TO ROUGH-IN.
- PROVIDE TEMPORARY SERVING LINE CONNECTIONS AT LOCATIONS INDICATED FOR TEMPORARY USE OF EXISTING SERVING LINE EQUIPMENT AT WALL INDICATED. COORDINATE EXACT LOCATIONS WITH OWNER PRIOR TO ROUGH-IN. REMOVE DEVICES AND REPLACE WITH 120V RECEPTACLES UPON COMPLETION. PROVIDE TEMPORARY CONNECTIONS FROM EXISTING AND REPLACEMENT PANEL "A" AS PHASING REQUIRES.
- PROVIDE ON/OFF TOGGLE SWITCH AT POTATO PEELER. COORDINATE EXACT LOCATION WITH OWNER PRIOR TO ROUGH-IN.



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GENERAL NEW WORK NOTES (POWER/SYSTEMS) :

- A. REFER TO THE ARCHITECT'S REFLECTED CEILING PLANS, ELEVATIONS, AND CASWORK DETAILS FOR EXACT LOCATIONS OF ALL WALL AND CEILING MOUNTED ELECTRICAL DEVICES.
- B. CONTRACTOR SHALL FOLLOW BRANCH CIRCUITING LAY-OUT, AS INDICATED ON THE FLOOR PLANS WITH A MAXIMUM OF THREE (3) BRANCH CIRCUITS PER HOMERUN. EACH BRANCH CIRCUIT SHALL BE PROVIDED WITH A DEDICATED NEUTRAL CONDUCTOR. DEDICATED NEUTRAL CONDUCTORS SHALL BE CONSIDERED CURRENT CARRYING. IF ADDITIONAL CONDUCTORS ARE RUN IN THE SAME CONDUIT WITH THOSE INDICATED, CONTRACTOR SHALL DERATE ALL CURRENT CARRYING CONDUCTORS PER NEC 310.15(B)(3), AND USE CONDUIT AS REQUIRED PER NEC 300.17 AND ANNEX C. MULTIWIRE BRANCH CIRCUITS AS DEFINED IN NEC 100 / 210.4 (CIRCUITS SHARING A COMMON NEUTRAL CONDUCTOR) SHALL NOT BE PERMITTED.
- C. IDENTIFY THE PANEL AND CIRCUIT NUMBER FOR ALL RECEPTACLES, SWITCHES, ETC. IN AREA OF CONSTRUCTION. MARK INDICES OF ALL DEVICES WITH PANEL AND CIRCUIT NUMBER.
- D. RECEPTACLES THAT ARE CONTROLLED BY AN AUTOMATIC MEANS SUCH AS OCCUPANCY SENSOR OR ENERGY MANAGEMENT SYSTEM SHALL BE MARKED IN ACCORDANCE WITH NEC 406.3(E).
- E. LOCATIONS OF ELECTRICAL CONNECTIONS AND LOCAL DISCONNECTS SHALL BE COORDINATED WITH MECHANICAL AND PLUMBING CONTRACTORS TO ENSURE ACCESS AND WORKING CLEARANCE IS MAINTAINED PER NEC. NOTIFY OTHER TRADES OF REQUIRED CLEARANCE AREAS TO AVOID ROUTING OF OTHER SYSTEMS IN THESE AREAS. DO NOT INSTALL ELECTRICAL EQUIPMENT OVER EQUIPMENT NAMEPLATES OR ACCESS PANELS OR THROUGH ACCESS/MAINTENANCE CLEARANCES OF EQUIPMENT BY OTHER TRADES.
- F. NO CONDUIT SHALL BE INSTALLED UNDERGROUND, EXCEPT FOR DISTRIBUTION EQUIPMENT FEEDERS, UNLESS REQUIRED FOR THE APPLICATION (FLOOR BOXES, ISLANDS, ETC.) OR SPECIFICALLY INDICATED AS SUCH IN CONSTRUCTION DOCUMENTS. NO CONDUIT SHALL BE INSTALLED WITHIN CONCRETE SLABS.
- G. REFER TO "SYSTEM INSTALLATION MATRIX" (ON SYSTEMS LEGEND SHEET) AND SPECIFICATIONS FOR CONTRACTOR REQUIREMENTS OF EACH SYSTEM.
- H. THE CONTRACTOR SHALL ROUTE ALL "SYSTEM CONDUIT STUB-UPS" TO THE NEAREST CORRIDOR CABLING TRAY (SEE "STUB-UP" DETAILS). REFER TO CABLING PATH INSTALLATION DETAIL FOR ADDITIONAL REQUIREMENTS.
- I. CONTRACTOR SHALL PAINT ALL SYSTEMS CONDUIT STUB-UPS LIGHT BLUE FOR SYSTEMS CABLING INTO THE CORRIDOR CABLING PATH. PROVIDE PULL STRINGS IN ALL NEW CONDUIT RUNS FOR SYSTEM CABLING INSTALLATION.
- J. ALL RECEPTACLES SHOWN AS EXISTING TO REMAIN SHALL BE REPLACED IN PLACE WITH NEW TAMPER RESISTANT DEVICE. EXISTING WIRING SHALL BE REUSED UNLESS NOTED OTHERWISE.

TAGGED NOTES :

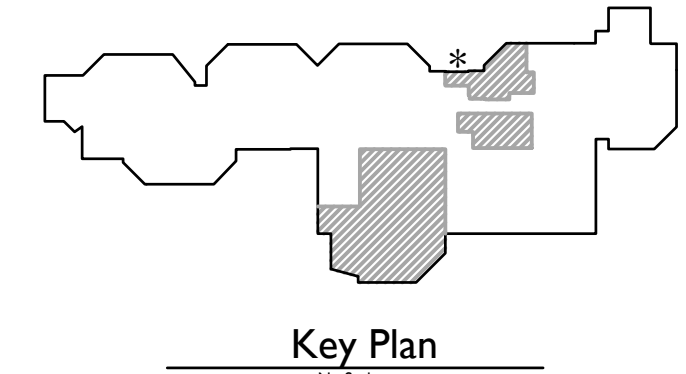
1. CUT AND PATCH FLOOR FOR NEW RACEWAYS TO FLOOR BOXES. ROUTE CONCEALED IN NEW WALL INELL.
2. PROVIDE 6" x 4" BOX FOR TERMINATION OF CAFETERIA T.V. CONDUITS. ROUTE SURFACE CONDUITS IN STORAGE A123 AND STUB THRU WALL INTO CAFETERIA. FIELD VERIFY EXACT ROUTES.
3. PROVIDE ADDITIONAL SINGLE-GANG BOX AND 1-1/4" CONDUIT TO A.V. RACK IN CAFETERIA.
4. CONNECT NEW ELECTRICAL DEVICES IN CIRCUIT TO EXISTING CIRCUIT INDICATED. PROVIDE # OF #12 CONDUCTORS AND #12 GROUND AS INDICATED.
5. PROVIDE # OF #12 CONDUCTORS AND #12 GROUND IN 3/4" CONDUIT TO NEW/SPARE 20A/1P BREAKER(S) IN EXISTING PANEL INDICATED.
6. PROVIDE # OF #10 CONDUCTORS AND #10 GROUND IN 3/4" CONDUIT TO NEW/SPARE 30A/3P BREAKER(S) IN EXISTING PANEL INDICATED.
7. PROVIDE # OF #8 CONDUCTORS AND #10 GROUND IN 3/4" CONDUIT TO NEW/SPARE 40A/3P BREAKER(S) IN EXISTING PANEL INDICATED.
8. PROVIDE # OF #6 CONDUCTORS AND #10 GROUND IN 1" CONDUIT TO NEW/SPARE 60A/3P BREAKER(S) IN EXISTING PANEL INDICATED.
9. PROVIDE NEW 400A/3P CIRCUIT BREAKER IN EXISTING DISTRIBUTION PANEL INDICATED FOR REPLACEMENT PANEL "A". REMOVE EXISTING SPARE BREAKERS AS REQUIRED TO CREATE SPACE. FIELD VERIFY EXACT CONDITIONS.
10. PROVIDE # OF #8 CONDUCTORS AND #10 GROUND IN 3/4" CONDUIT TO NEW/SPARE 40A/2P BREAKER(S) IN EXISTING PANEL INDICATED.
11. WIRE NEW DOOR POWER SUPPLY INTO BUILDING FIRE ALARM SYSTEM.
12. PROVIDE 30A/600V/3P FUSIBLE DISCONNECT IN NEMA-1 ENCLOSURE FUSED AT EQUIPMENT NAMEPLATE. COORDINATE EXACT LOCATION WITH ALL TRADES PRIOR TO ROUGH-IN.
13. PROVIDE 60A/600V/3P FUSIBLE DISCONNECT IN NEMA-1 ENCLOSURE FUSED AT EQUIPMENT NAMEPLATE. COORDINATE EXACT LOCATION WITH ALL TRADES PRIOR TO ROUGH-IN.
14. PROVIDE 60A/240V/3P FUSIBLE DISCONNECT IN NEMA-1 ENCLOSURE FUSED AT EQUIPMENT NAMEPLATE. COORDINATE EXACT LOCATION WITH ALL TRADES PRIOR TO ROUGH-IN.
15. ALL NEW SURFACE RACEWAY REQUIRED FOR DEVICE INSTALLATION IN THE CAFETERIA SHALL BE ROUTED ON BACKSIDE OF CAFETERIA WALL AND POKED THROUGH FROM BEHIND WHEREVER POSSIBLE TO AVOID SURFACE WIREWAY IN THE CAFETERIA. WHERE SURFACE WIREWAY IS INSTALLED IN ANY FINISHED SPACE, WIREMOLD SHALL BE USED AND PAINTED TO MATCH ADJACENT SURFACES. FIELD VERIFY EXACT CONDITIONS.
16. PROVIDE POWER AND NETWORK DATA DROP TO HVAC CONTROL PANEL. PROVIDE 120V CONNECTION AND DATA BOXES AS REQUIRED. COORDINATE EXACT REQUIREMENTS WITH MECHANICAL CONTRACTOR.
17. PROVIDE ALL NECESSARY CONNECTIONS FROM EXISTING FIRE ALARM SIGNALING LOOP TO FIRE SUPPRESSION SYSTEM.
18. HOOD CONTROL PANEL. COORDINATE EXACT MOUNTING LOCATION WITH ALL TRADES PRIOR TO ROUGH-IN. REFER TO VENDOR DRAWINGS FOR FURTHER REQUIREMENTS.
19. KITCHEN EXHAUST FAN TO BE MOUNTED TO PLATFORM ABOVE CEILING. REFER TO VENDOR DRAWINGS FOR FURTHER REQUIREMENTS.
20. PROVIDE RACEWAY AND WIRING FOR CONTROL CONNECTION FROM HOOD CONTROL PANEL AS REQUIRED BY KITCHEN HOOD INSTALLATION DRAWINGS.
21. ROUTE CIRCUIT INDICATED THROUGH KITCHEN HOOD CONTROL CONTRACTOR FOR EMERGENCY SHUTDOWN. REFER TO KITCHEN HOOD CONTROL SCHEMATIC FOR ADDITIONAL REQUIREMENTS.
22. PROVIDE CONTRACTOR FOR HOOD EQUIPMENT EMERGENCY SHUTDOWN. MOUNT ABOVE CEILING AT ACCESSIBLE LOCATION. REFER TO KITCHEN HOOD CONTROL SCHEMATIC FOR ADDITIONAL REQUIREMENTS.
23. PROVIDE ROUGH-IN, CONDUIT, AND WIRING FOR HOOD FIRE SUPPRESSION ACTIVATION STATION. COORDINATE EXACT REQUIREMENTS WITH KITCHEN VENDOR SHOP DRAWINGS.
24. PROVIDE # OF #12 CONDUCTORS AND #12 GROUND IN 3/4" CONDUIT TO NEW/SPARE 20A/2P BREAKER IN EXISTING PANEL INDICATED.
25. EXISTING INTERCOM SYSTEM SHALL REMAIN AT LOCATED INDICATED AS PART OF BASE BID. CONTRACTOR SHALL REMOVE EXISTING DEVICES AND CABLING WIRING INDICATED ON PLANS AND REPLACE WITH NEW AS PART OF BASE BID. CONTRACTOR SHALL PROVIDE NEW CABLING BACK TO EXISTING INTERCOM RACK WITH LENGTH TO BE EXTENDED TO UP RACK LOCATED IN STORAGE 127 AS PART OF FUTURE INTERCOM UPGRADE. ALTERNATE PRICE SHALL REMOVE ALL NEW INTERCOM SCOPED FOR A BUILDING-WIDE INTERCOM UPGRADE THAT WOULD BE PART OF A SEPARATE CONTRACT. ALL DEMOLITION SCOPE WOULD REMAIN IN THIS CONTRACT.
26. PROVIDE 30A/240V/3P FUSIBLE DISCONNECT IN NEMA-3R ENCLOSURE FUSED AT EQUIPMENT NAMEPLATE. COORDINATE EXACT LOCATION WITH ALL TRADES PRIOR TO ROUGH-IN.
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29. EXISTING INTERCOM SYSTEM HANDSET RELOCATED TO NEW RECEPTION DESK AS INDICATED AS PART OF INTERCOM SYSTEM ALTERNATE. PROVIDE CONNECTIONS THROUGH RECEPTION DESK AS REQUIRED.
30. PROVIDE 60A/240V/3P FUSIBLE DISCONNECT IN NEMA-3R ENCLOSURE FUSED AT EQUIPMENT NAMEPLATE. COORDINATE EXACT LOCATION WITH ALL TRADES PRIOR TO ROUGH-IN.
31. PROVIDE TEMPORARY SERVING LINE CONNECTIONS AT LOCATIONS INDICATED FOR TEMPORARY USE OF EXISTING SERVING LINE EQUIPMENT AT WALL INDICATED. COORDINATE EXACT LOCATIONS WITH OWNER PRIOR TO ROUGH-IN. REMOVE DEVICES AND REPLACE WITH 120V RECEPTACLES UPON COMPLETION. PROVIDE TEMPORARY CONNECTIONS FROM EXISTING AND REPLACEMENT PANEL "A" AS PHASING REQUIRES.
32. PROVIDE ON/OFF TOGGLE SWITCH AT POTATO PEELER. COORDINATE EXACT LOCATION WITH OWNER PRIOR TO ROUGH-IN.

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PARTIAL FIRST FLOOR PLAN - POWER/SYSTEMS - AREA B

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

1
E400B



CMTA
 A L.L. COMPANY
 10411 Meeting Street,
 Prospect, Kentucky 40059
 502.326.3065 f.502.326.2691
 www.cmta.com

SHEET TITLE
 PARTIAL FIRST FLOOR PLAN -
 POWER/SYSTEMS - AREA B

SHEET NUMBER
E400B

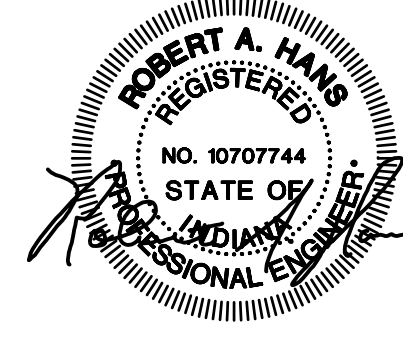
OWNER
 NORTH HARRISON
 COMMUNITY SCHOOLS

PROJECT TITLE
 NORTH HARRISON
 ELEMENTARY SCHOOL

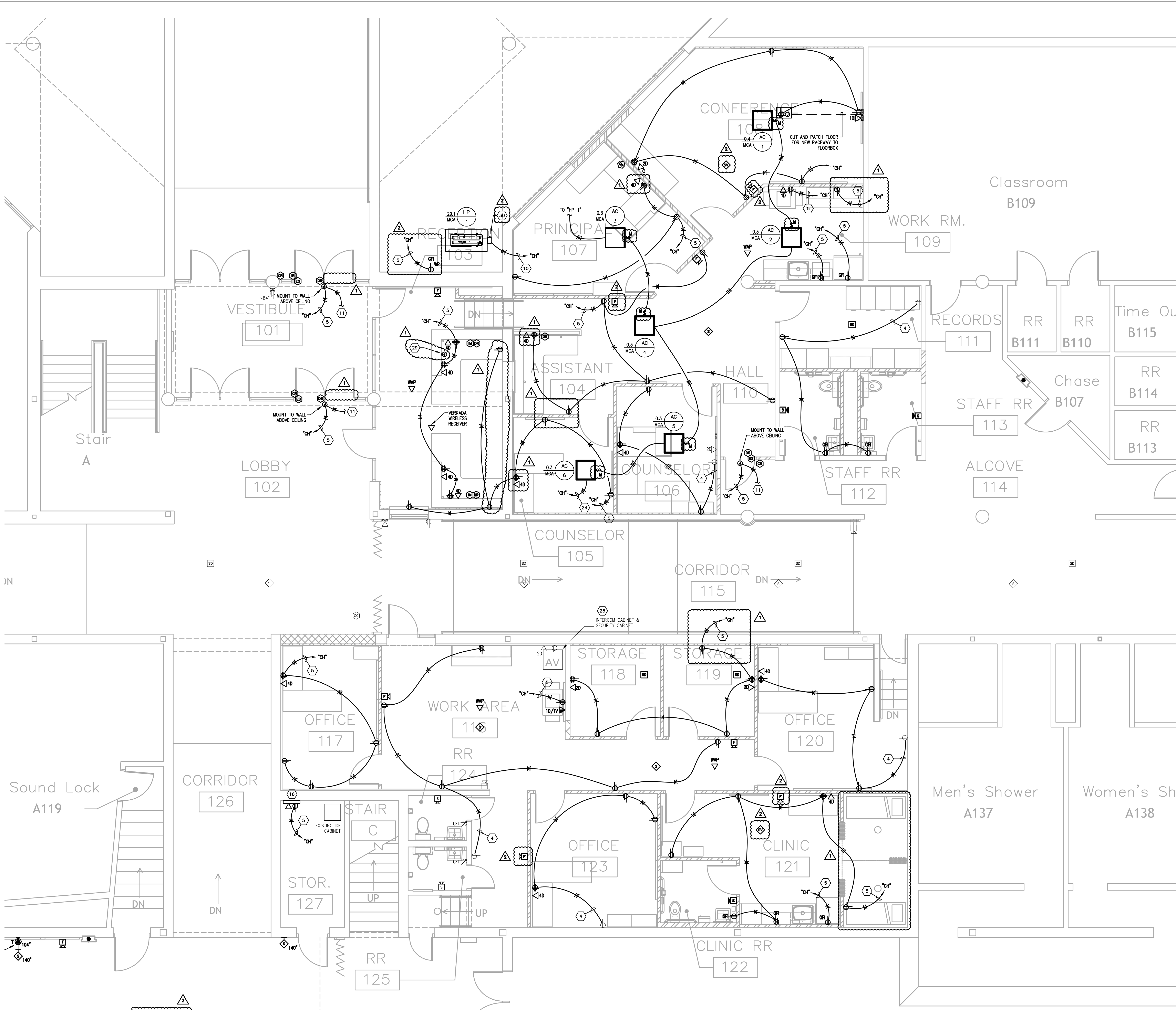
2024 ADDITIONS AND
 RENOVATIONS

ISSUED FOR
 Public Bidding
 Addendum No. 1
 Addendum No. 2

DATE
 04-03-2024
 04-12-2024
 04-22-2024



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 Architecture - Engineering - Interiors
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PARTIAL FIRST FLOOR PLAN - POWER/SYSTEMS - AREA C

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

1
E400C

Key Plan

CMTA
 A L.L. BECKETT Company
 10411 Meeting Street,
 Prospect, Kentucky 40059
 502.326.3065 F.502.326.2691
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TowerPinkster
 Architecture - Engineering - Interiors
 REGISTERED PROFESSIONAL ENGINEER
 NO. 1070744
 STATE OF KENTUCKY
 SPECIALTY: ELECTRICAL

ISSUED FOR
 Public Bidding Addendum No. 1
 Addendum No. 2

DATE
 04-03-2024
 04-12-2024
 04-22-2024

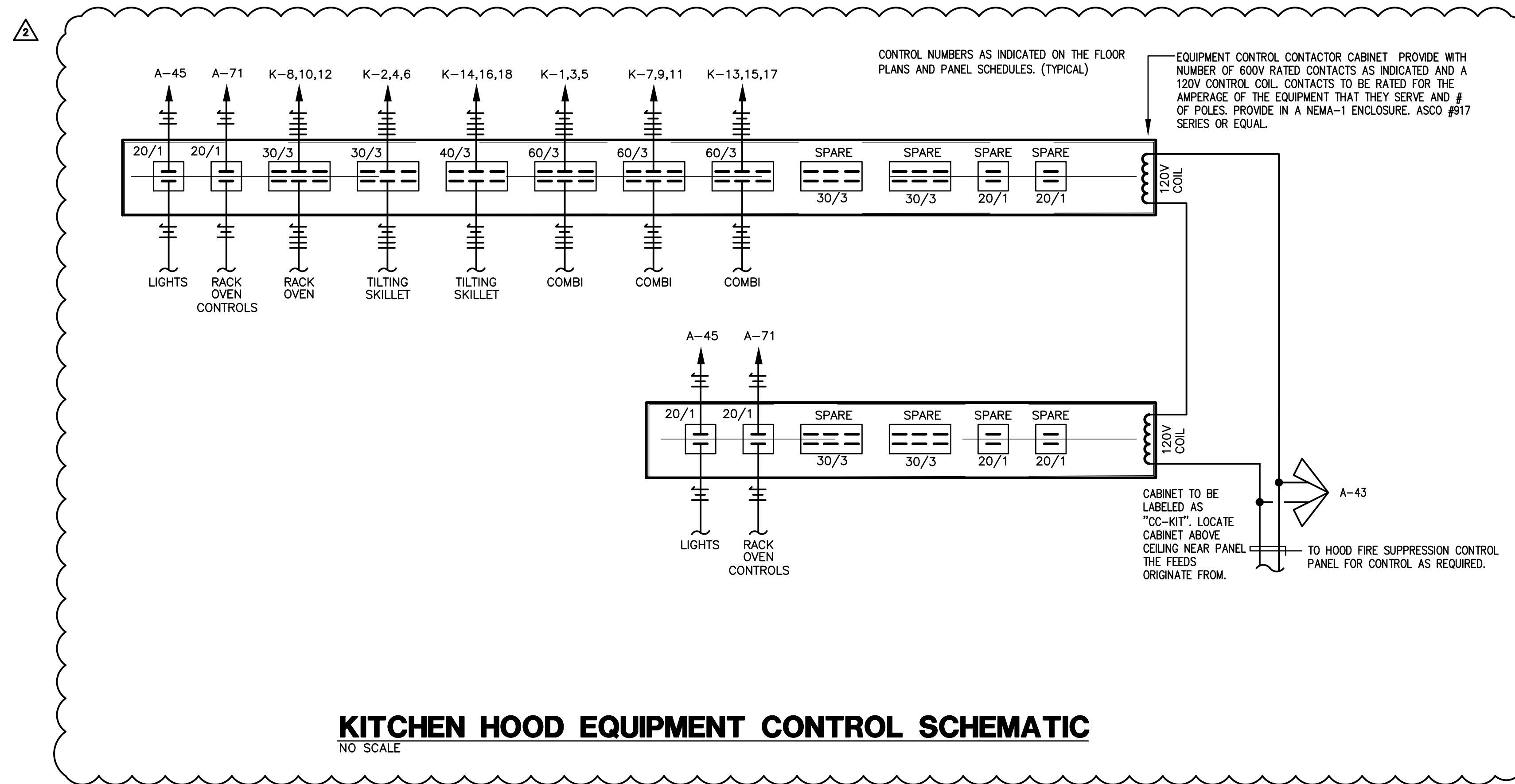
PROJECT TITLE
 NORTH HARRISON
 ELEMENTARY SCHOOL
 2024 ADDITIONS AND
 RENOVATIONS

OWNER
 NORTH HARRISON
 COMMUNITY SCHOOLS
 1115 W WHISKEY RUN RD. NW
 RAMSEY, IN 47166

SHEET TITLE
 PARTIAL FIRST FLOOR PLAN -
 POWER/SYSTEMS - AREA C

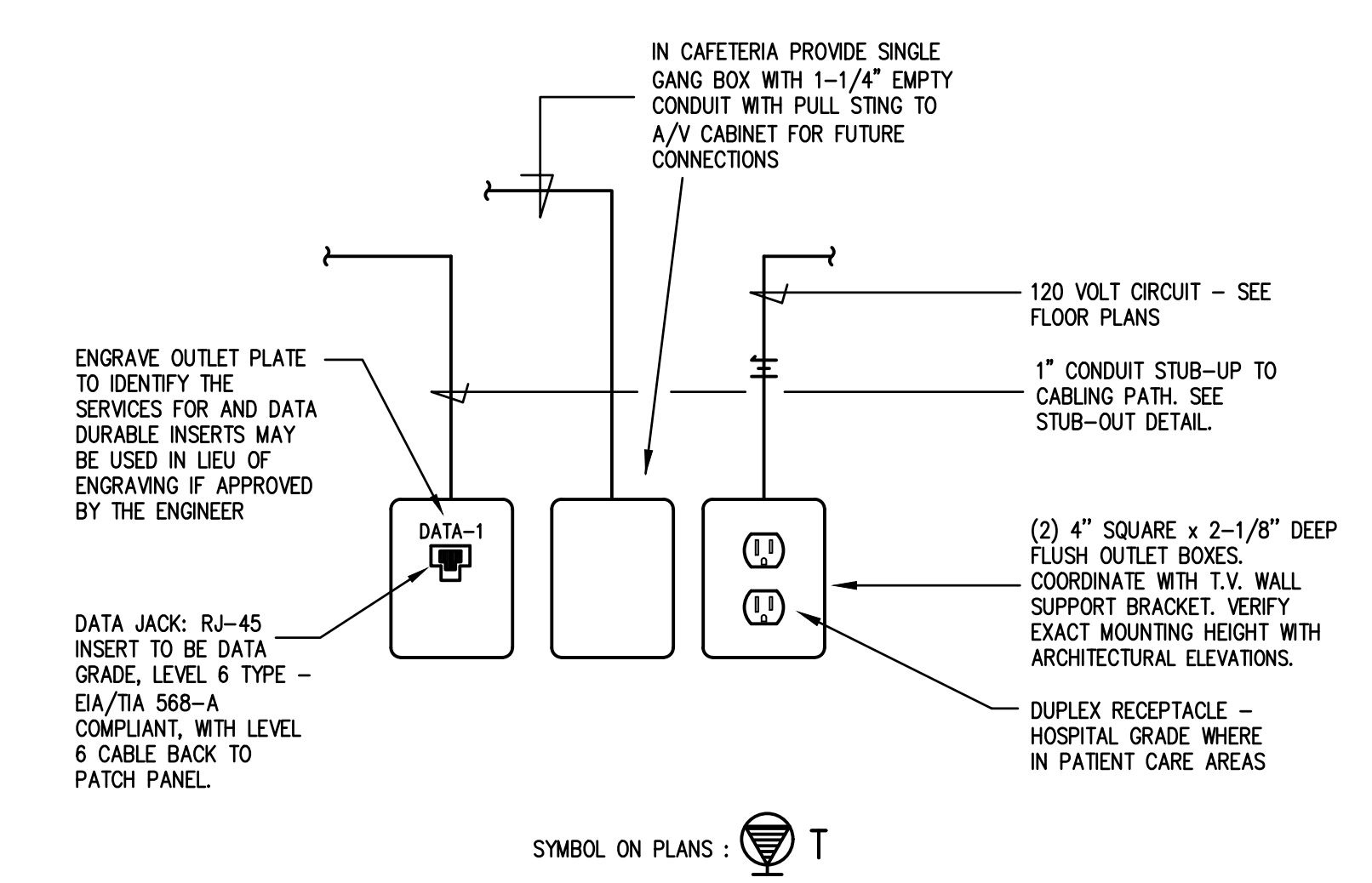
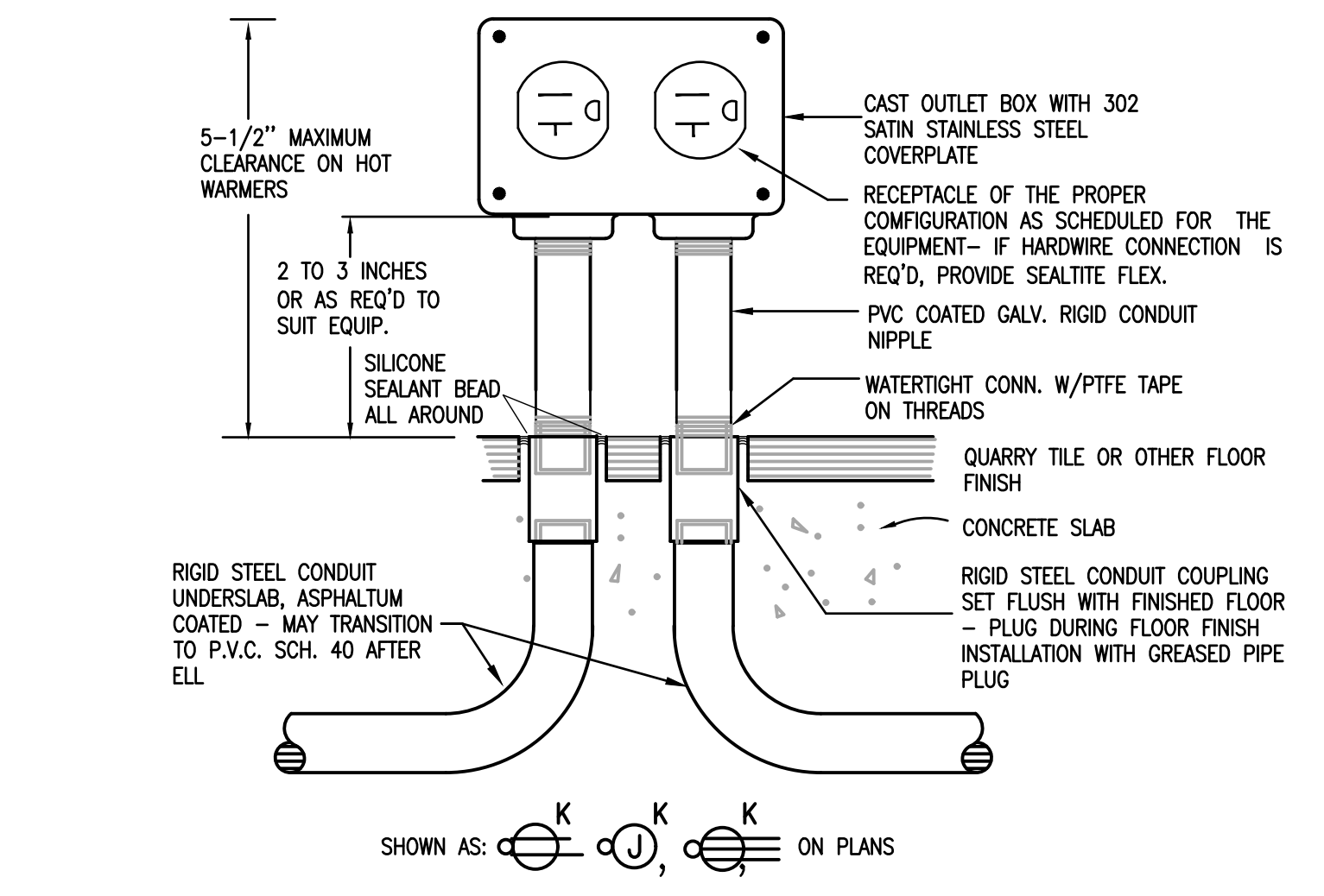
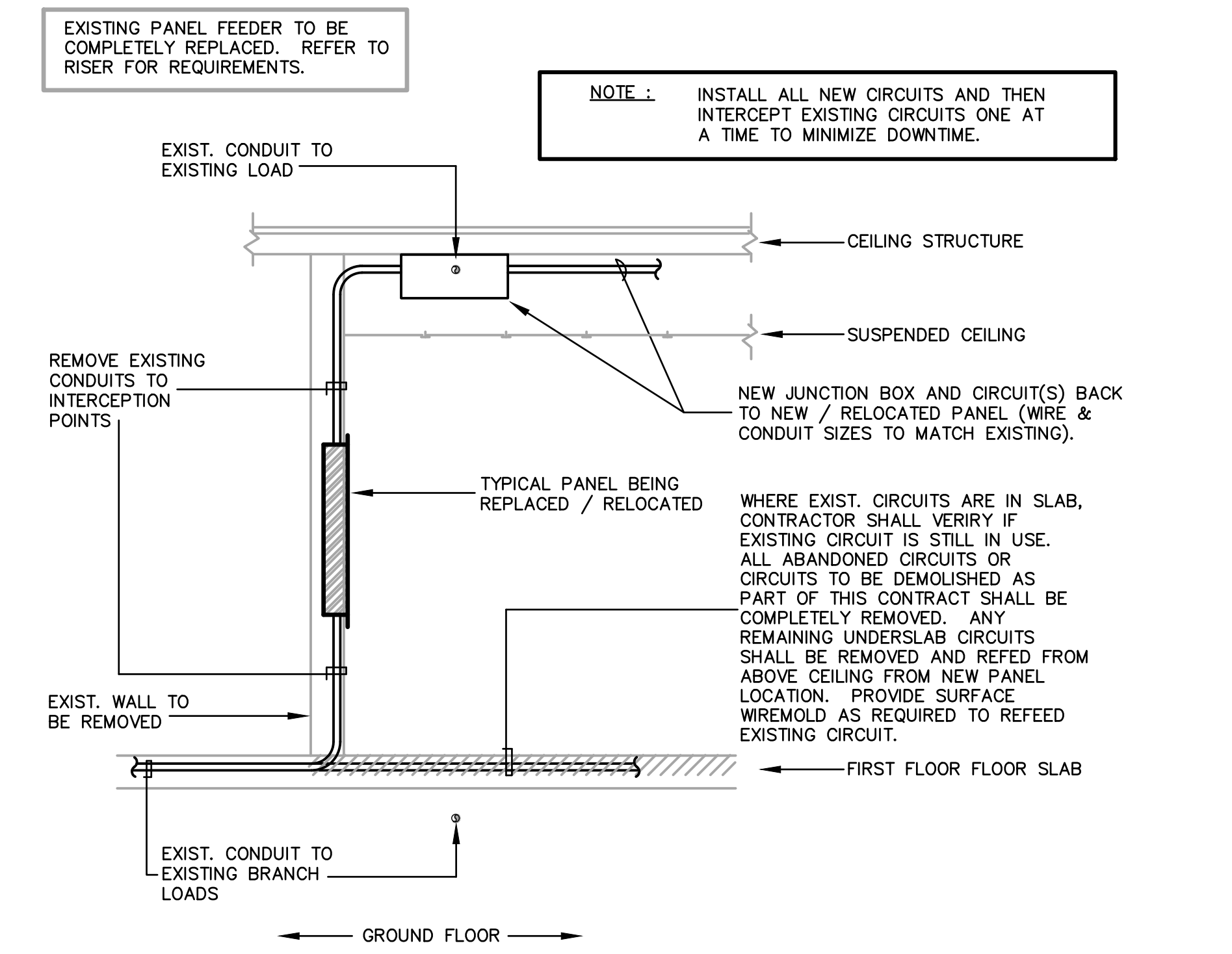
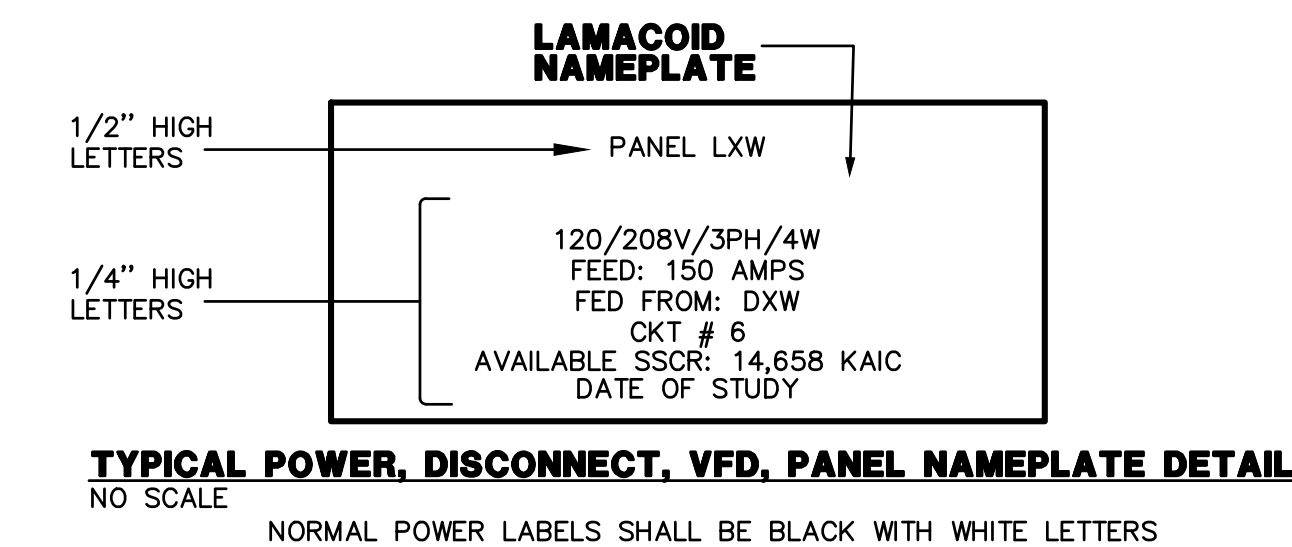
SHEET NUMBER
 E400C

DATE
 APRIL 3, 2024



PANELBOARD AND WIRING SCHEDULE

PANELBOARD	LOAD			DESIGNATION	WIRE	BKR	CKT	WIRE	DESIGNATION	LOAD			CON	NO
	A	B	C							A	B	C		
12 3/4"	0.3			MILK COOLER (EXISTING)	12 201 1			2 201 12	MIXER (EXISTING)	0.7			3/4"	12
12 3/4"	0.3			MILK COOLER (EXISTING)	12 201 3			4 GR		0.7				
10 3/4"		3.8		MICROWAVE (EXISTING)	10 301 5			6			0.7			
12 3/4"	0.3			MILK COOLER (EXISTING)	12 201 7			8 201 12	MIXER (EXISTING)	1.2			3/4"	12
12 3/4"	1.6			ICE MACHINE (EXISTING)	12 201 9			10 201 12	HEAT SEALER (EXISTING)	0.8			3/4"	12
12 3/4"		1.6		ICE MACHINE (EXISTING)	12 201 11			12 201 12	MILK COOLER (EXISTING)		0.3		3/4"	12
12 3/4"	1.6			CASHER STAND (EXISTING)	12 201 13			14 302 10	HOT WATER DISPENSER (EXIST.)	2.5			3/4"	10
12 3/4"	1.6			CASHER STAND (EXISTING)	12 201 15			16 GR		2.5				
12 3/4"		1.6		SALAD BAR UNIT (EXISTING)	12 201 17			18 201 12	REFRIG. 1-SECTION REACH-IN		0.3		3/4"	12
12 3/4"	0.7			SERVING COUNTER 6-WELL	12 202 19			20 201 12	REFRIG. 1-SECTION ROLL-IN	1.1			3/4"	12
12 3/4"		0.7		SERVING COUNTER 6-WELL	12 202 21			22 201 12	KITCHEN RCPs		0.7		3/4"	12
12 3/4"		0.7		SERVING COUNTER 6-WELL	12 202 23			24 202 12	HOT FOOD HOLDING 1-SECTION		1.0		3/4"	12
12 3/4"		0.7		SERVING COUNTER 6-WELL	12 202 25			26 GR		1.0				
12 3/4"		0.4		SERVING COUNTER FROST TOP	12 201 27			28 301 10	POTATO PEELER W DISPOSAL		2.0		3/4"	10
12 3/4"		0.4		SERVING COUNTER FROST TOP	12 201 29			30 603 6	BOOSTER HEATER		0.8		1"	8
12 3/4"	0.7			REFRIG. 2-SECTION PASS-THRU	12 201 31			32 GR		0.8				
12 3/4"	0.7			REFRIG. 2-SECTION PASS-THRU	12 201 33			34 GR		0.8				
12 3/4"		1.5		HOT FOOD HOLDING 2-SECTION	12 202 35			36 201 12	FREZZER - BLOWER COOL		0.9		3/4"	12
12 3/4"		1.5		HOT FOOD HOLDING 2-SECTION	12 202 37			38 201 12	SPARE					
12 3/4"	1.5			HOT FOOD HOLDING 2-SECTION	12 202 39			40 201 12	FREZZER - DOOR HEATER LIGHTS		0.6		3/4"	12
12 3/4"		1.5		HOT FOOD HOLDING 2-SECTION	12 202 41			42 302 10	FREZZER - COMPRESSOR (ROOF)		2.1		3/4"	10
12 3/4"	0.5			HOOD CONTACTOR	12 201 43			44		2.1				
12 3/4"	0.5			HOOD LIGHTS	12 201 45			46 201 12	COOLER - BLOWER COOL		0.9		3/4"	12
				SPARE	201 47			48 201 12	COOLER - LIGHTS		0.1		3/4"	12
				SPARE	201 49			50 302 10	COOLER - COMPRESSOR (ROOF)		2.1			10
				SPARE	201 51			52		2.1				
				SPARE	201 53			54 201 12	KITCHEN RCP		1.0		3/4"	12
12 3/4"	2.0			WASHER	12 201 55			56 201 12	KITCHEN RCP		1.0		3/4"	12
12 3/4"	2.5			DRYER	10 302 57			58 201 12	KITCHEN RCP		1.0		3/4"	12
		2.5			10 302 59			60 201 12	KITCHEN RCP		1.0		3/4"	12
12 3/4"	1.1			KITCHEN RCPs	12 201 61			62 201 12	KITCHEN RCPs		1.3		3/4"	12
12 3/4"	0.9			KITCHEN RCPs	12 201 63			64 201 12	FIRE SUPPRESSION RALL STATION		0.5		3/4"	12
12 3/4"		0.9		CAFETERIA RCPs	12 201 65			66 201 12	HOOD CONTROL PANEL		0.5		3/4"	12
12 3/4"	0.5			TOP - MAINTENANCE 146	12 201 67			68 203 12	MAKE-UP AIR UNIT		1.1		3/4"	12
12 3/4"	0.9			EF-2 (ON ROOF)	12 201 69			70		1.1				
12 3/4"		0.5		BACK OVEN CONTROLS	12 201 71			72		1.1				
12 3/4"	1.0			FLY FAN (GFI BREAKER)	12 201 73			74 201 12	POWER SUPPLY (DOOR 142)		0.5		3/4"	12
				SPARE	201 75			76 503 8	RTU-1 (ON ROOF)		4.3		3/4"	10
				SPARE	201 77			78		4.3				
10 3/4"	1.9			KITCHEN EXHAUST FAN	10 303 79			80		4.3				
		1.9			10 303 81			82 352 8	HR-2 (ON ROOF)		1.4		3/4"	10
		1.9			10 303 83			84		1.4				
12 3/4"	0.0			HOOD CONTACTOR CABINET	12 201 85			86 201 12	KITCHEN FAN		0.5		3/4"	12
				SPARE	201 87			88 201 12	KITCHEN FAN		0.5		3/4"	12
				SPARE	201 89			90 201 12	KITCHEN FAN		0.5		3/4"	12
				SPARE	201 91			92 201 10	FIRE VAULT		0.2		3/4"	10
				SPARE	201 93			94 201 12	SPARE					
				SPARE	201 95			96 201 12	SPARE					
				SPARE	201 97			98 201 12	SPARE					
				SPARE	201 99			100 201 12	SPARE					
				SPARE	201 101			102 201 12	SPARE					
				SPARE	201 103			104 201 12	SPARE					
				SPARE	201 105			106 201 12	SPARE					
				SPARE	201 108			108 201 12	SPARE					
	12.7	13.5	16.9	SUB-TOTAL					KVA		25.2	24.9	20.9	
									KVA		37.9	38.4	37.8	114.1



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Key Plan

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Architecture - Engineering - Interiors

ROBERT A. HANKS REGISTERED PROFESSIONAL ENGINEER
NO. 10707744
STATE OF KENTUCKY

ISSUED FOR: Public Bidding Addendum No. 1 Addendum No. 2
DATE: 04-03-2024 04-12-2024 04-22-2024

PROJECT TITLE: NORTH HARRISON ELEMENTARY SCHOOL
OWNER: NORTH HARRISON COMMUNITY SCHOOLS
2024 ADDITIONS AND RENOVATIONS
1115 W WHISKEY RUN RD. NW RAMSEY, IN 47166

SHEET TITLE: ELECTRICAL DETAILS
SHEET NUMBER: E600
DATE: APRIL 3, 2024

LIGHT FIXTURE SCHEDULE :

TYPE	DESCRIPTION	MODEL	LAMPS	REMARKS	VOLTAGE
A2	RECESSED LAY-IN 2'x4' DIMMABLE LED FLAT PANEL WITH ALUMINUM HOUSING, POLYCARBONATE LENS	TOS #88-24-50-35 HUBBELL EQUAL COOPER EQUAL LITHONIA "CPANL" EQUAL	8250 LUMENS @50 INPUT WATTS	0-10V DIMMABLE DRIVER WITH LESS THAN 10% THD BALLAST.	UNV
B1	SAME AS "A2" EXCEPT WITH 2'x2' HOUSING	TOS #88-22-40-35 HUBBELL EQUAL COOPER EQUAL LITHONIA "CPANL" EQUAL	4400 LUMENS @40 INPUT WATTS	0-10V DIMMABLE DRIVER WITH LESS THAN 10% THD BALLAST.	UNV
C	PENDANT LED RING FIXTURE	SP # AP11987-1228W-120/277V-4000K-80-DM1-H10-F800-MA-M802 OR EQUAL	23,088 LUMENS @226 INPUT WATTS	PROVIDE AIRCRAFT CABLING AS REQUIRED TO MOUNT EACH FIXTURE AT 24"-0" AFF. PROVIDE MOUNTING HARDWARE FROM EXPOSED STRUCTURE ABOVE. PROVIDE UNISTRUT AS REQUIRED.	UNV
C1	PENDANT INDIRECT/DIRECT PATTERN LINEAR LED FIXTURE	MARK # SAPIDMP-SPP-32FT-490C-80CRI-40K-800UMF-180CRI-140K-1300UMF-SC1-MINI-FL-3C-MVOLT OR EQUAL	DIRECT: 791LM/F @ 6.33W/F INDIRECT: 325LM/F @ 1.95W/F	PROVIDE AIRCRAFT CABLING AS REQUIRED TO MOUNT EACH FIXTURE AT 24"-0" AFF. PROVIDE MOUNTING HARDWARE FROM EXPOSED STRUCTURE ABOVE. PROVIDE UNISTRUT AS REQUIRED.	UNV
D	4" RECESSED CAN LIGHT FIXTURE	HALO # H04-20-D010-HM4-12-840-41-MD-C OR EQUAL	2000 LUMENS @22 INPUT WATTS		UNV
EW	20W EMERGENCY REMOTE BATTERY WITH SELF-DIAGNOSTICS	SURE-LITES # INV20-NC-S-5D OR EQUAL			UNV
K1	2'x2' LAY-IN LED TROFFER WITH FLAT WHITE EXTRUDED ALUMINUM DOOR FRAME, WITH NEOPRENE GASKETING AND INVERTED A12.125 LENS	LITHONIA #26TL2 40L RW A12125 G21 LP835 GLR ABC LATC COOPER EQUAL LIGHTOLIER EQUAL	4000 LUMENS @35 INPUT WATTS	0-10V DIMMABLE DRIVER TO 1%	UNV
K2	2'x4' LAY-IN LED TROFFER WITH FLAT WHITE EXTRUDED ALUMINUM DOOR FRAME, WITH NEOPRENE GASKETING AND INVERTED A12.125 LENS	LITHONIA #26TL4 72L RW A12125 G21 LP835 GLR ABC LATC COOPER EQUAL LIGHTOLIER EQUAL	7200 LUMENS @53 INPUT WATTS	0-10V DIMMABLE DRIVER TO 1%	UNV
X1	UNIVERSAL MOUNT EXIT SIGN, INTEGRAL BATTERY	LITHONIA # L0C-W-R-ELN COOPER EQUAL LIGHTOLIER EQUAL HUBBELL EQUAL	LED		UNV
EB	125W REMOTE EMERGENCY BATTERY INVERTER	ISOLITE #ESMINI 125 LC MB COOPER EQUAL LIGHTOLIER EQUAL HUBBELL EQUAL	166 INPUT WATTS	COORDINATE LOCATION WITH EQUIPMENT TO ALLOW ACCESS FOR MAINTENANCE AND TESTING.	UNV
WL1	LED VANITY LIGHT WITH EXTRUDED ALUMINUM HOUSING AND ACRYLIC DIFFUSER	BROWNLEE LIGHTING #FLOW-RD-MINI-1260-BN-X-H08-BN-40K COOPER EQUAL LIGHTOLIER EQUAL	750 LUMENS @8 INPUT WATTS		UNV
W	EXTERIOR WALL MOUNT LED FIXTURE WITH DIE CAST ALUMINUM HOUSING, IMPACT-RESISTANT TEMPERED GLASS LENS WITH MULTIPLE LIGHT ENGINES	LITHONIA #WST LED P3 40K VW MVOLT SF COOPER EQUAL LIGHTOLIER EQUAL	6689 LUMENS @50 INPUT WATTS	FIXTURE SHALL HAVE FULL CUTOFF. FIXTURE SHALL BE MOUNTED AT 10"-0" AFF UNLESS NOTED OTHERWISE. FINISH SHALL BE BLACK.	UNV

LIGHTING CONTROLS SEQUENCE OF OPERATIONS:

- DAYLIGHT PHOTOCELL OPERATION: DEVICE SHALL BE SET TO MAINTAIN DESIGNED ARTIFICIAL ILLUMINATION LEVEL IN EACH ZONE/AREA.
- ALL LUMINAIRES WITHIN A DAYLIGHT ZONE SHALL BE SEPARATELY CONTROLLED FROM THE REST OF THE GENERAL LIGHTING IN THE SPACE. THESE LUMINAIRES SHALL BE CONTROLLED USING AUTOMATIC DAYLIGHT HARVESTING CONTROLS. THE DAYLIGHT HARVESTING CONTROLS SHALL PROVIDE SMOOTH AND CONTINUOUS DIMMING. DIMMING SHALL BE INITIATED WHEN TOTAL ILLUMINATION (COMBINED DAYLIGHT AND ELECTRIC LIGHTING) REACHES 150% OF THE MAINTAINED DESIGN ILLUMINANCE PROVIDED BY THE ELECTRIC LIGHTING ONLY.
- VACANCY SENSOR OPERATION: DEVICE SHALL BE MANUAL ON AND AUTOMATIC OFF. LIGHTING TO TURN OFF AFTER 20 MINUTES OF NO OCCUPANCY.
- OCCUPANCY SENSOR OPERATION: DEVICE SHALL BE AUTOMATIC ON AND AUTOMATIC OFF. LIGHTING TO TURN OFF AFTER 15 MINUTES OF NO OCCUPANCY.
- VACANCY SENSOR WITH DIMMING CONTROLS: PROVIDE 70% OF LIGHT IN ZONE WHEN WALL SWITCH IS ACTIVATED. OCCUPANT SHALL BE ABLE TO ADJUST FROM 0% TO 100% ON WITH RAISE/LOWER BUTTONS.
- OCCUPANCY SENSOR WITH DIMMING CONTROLS: PROVIDE 70% OF LIGHT IN ZONE WHEN OCCUPANCY SENSOR IS ACTIVATED. OCCUPANT SHALL BE ABLE TO ADJUST FROM 0% TO 100% ON WITH RAISE/LOWER BUTTONS.
- OCCUPANCY SENSOR CONTROL ZONES WITHOUT MANUAL OR DIGITAL SWITCHING SHALL BE CONTROLLED BY OCCUPANCY SENSORS ONLY.
- INTERIOR LIGHTING RELAY CABINET(S) WITH OCCUPANCY SENSOR OVERRIDES.
- TEMPERATURE CONTROLS CONTRACTOR SHALL INTERFACE WITH BUILDING AUTOMATION SYSTEM. H.A. OCCUPIED AND UNOCCUPIED SCHEDULES VIA THE BUILDING AUTOMATION SYSTEM TIME CLOCK AND USER SCHEDULES.
- OCCUPIED MODE: ALL RELAYS SHALL CLOSE. INTERIOR LIGHT FIXTURES "ON".
- DURING OCCUPIED MODE, OCCUPANTS SHALL BE ABLE TO CONTROL LIGHT FIXTURES FROM LOCAL SWITCHES AND DIMMERS.
- UNOCCUPIED MODE: ALL RELAYS SHALL OPEN AND TURN ALL INTERIOR LIGHT FIXTURES "OFF".
- EXIT SIGNS, EMERGENCY LIGHTING CHARGING, SENSING CIRCUITS AND NIGHT LIGHTS SHALL REMAIN "ON". BYPASS RELAYS.
- WHEN AN OCCUPANCY SENSOR IS INITIATED, LIGHTS IN CONTROL ZONE ASSOCIATED WITH OCCUPANCY SENSOR TURN "ON" FOR 20 MINUTES.
- EXTERIOR LIGHTING CONTACTOR CABINET(S).
- EXTERIOR LIGHTING INCLUDES BUILDING MOUNTED LIGHTING.
- EXTERIOR LIGHTING SHALL BE CONTROLLED VIA BUILDING AUTOMATION SYSTEM.
- EXTERIOR SCHEDULE SHALL BE VIA THE BUILDING AUTOMATION SYSTEM TIME CLOCK AND PHOTOCELL.
- INTERIOR LIGHTING SEQUENCE OF OPERATION:
- INTERIOR LIGHTING SHALL BE CONTROLLED VIA STAND-ALONE OCCUPANCY SENSORS.
- OCCUPANCY SENSORS SHALL BE INTO HAS AS INDICATED BY DETAILS.
- REFER TO COMMON AREA LIGHTING CONTROL ZONE DIAGRAMS. ZONES HAVE BEEN GIVEN A DESIGNATION FOR CLARITY. OCCUPANCY SENSORS IN EACH ZONE SHALL BE TIED TOGETHER AND SHALL CONTROL LIGHT FIXTURES WITHIN EACH ZONE VIA POWER PACKS.
- AREAS SUCH AS CLASSROOMS, STORAGE ROOMS, CONFERENCE ROOMS, OFFICES, ETC. HAVE BEEN INDICATED ON LIGHTING CONTROL ZONE DIAGRAM FOR CLARITY. OCCUPANCY SENSORS IN THESE AREAS SHALL BE TIED TOGETHER AND CONTROL LIGHTING IN RESPECTIVE AREA/ROOM.

GENERAL LIGHTING CONTROL NOTES:

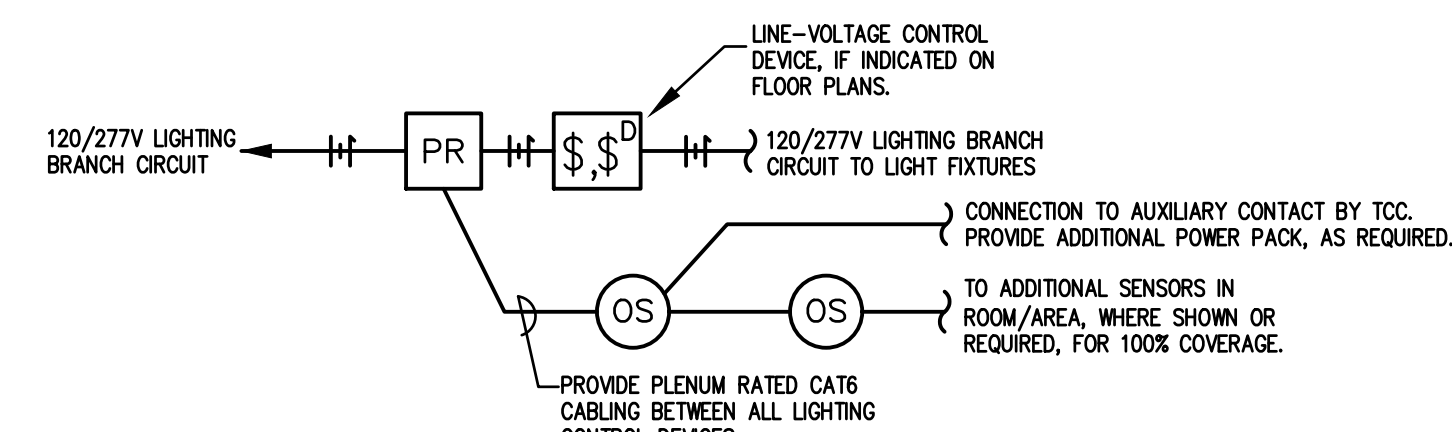
- PROVIDE \square AND \square FOR NON-DIMMABLE ZONES.
- PROVIDE \square AND \square WHEN CONTROLLING EMERGENCY LIGHTING BRANCH CIRCUIT.
- VERIFY ALL WIRING REQUIREMENTS WITH MANUFACTURER OF LIGHTING CONTROL DEVICES PRIOR TO ROUGH-IN. THIS SCHEMATIC DIAGRAM IS MEANT TO BE ILLUSTRATIVE ONLY.
- LIGHTING CONTROL SYSTEM SHALL COMPLY WITH ENERGY CODE.
- LIGHTING CONTROL DEVICES SHALL BE SENSOR SWITCH (DLIGHT), WATTSTOPPER (DLM) OR COOPER CONTROLS. ALL DEVICES SHALL BE FURNISHED BY ONE MANUFACTURER.
- ALL LIGHTING CONTROL DEVICES SHALL BE STAND-ALONE. SYSTEMS THAT REQUIRE HEAD-END SOFTWARE ARE NOT ACCEPTABLE.
- CEILING SENSORS AND PHOTOCELLS SHALL NOT BE SUPPORTED BY THE CEILING TILES. PROVIDE MOUNTING BRACKET TO SUPPORT SENSORS AND PHOTOCELLS FROM THE CEILING GRID.
- ALL POWER PACKS AND RELAYS SHALL BE CONCEALED, READILY ACCESSIBLE AND LOCATED ABOVE AN ACCESSIBLE CEILING.
- ALL OCCUPANCY AND VACANCY SENSORS SHALL BE DUAL-TECHNOLOGY TYPE.
- PROVIDE J-HOOKS ON 2' CENTERS ABOVE ACCESSIBLE CEILING FOR ALL LOW-VOLTAGE CABLING. J-HOOK INSTALLATION SHALL NOT INTERFERE WITH REMOVAL OF CEILING TILES. ADD SHALL BE ROUTED PARALLEL AND PERPENDICULAR TO THE AREAS WALLS. PROVIDE CABLING IN CONDUIT IF CEILING IS OPEN OR ABOVE INACCESSIBLE CEILING.
- PROVIDE AN EXTRA 1' OF COILED-UP, LOW-VOLTAGE CONTROL WIRING ABOVE ALL CEILING MOUNTED OCCUPANCY/VACANCY SENSOR AND PHOTOCELLS.
- ALL DIGITAL WALL STATIONS SHALL HAVE CUSTOM ENGRAVED BUTTONS. EXACT ENGRAVING SHALL BE COORDINATED DURING SHOP DRAWING REVIEW.
- ALL CONTROL STATIONS SHALL HAVE FACTORY ENGRAVED BUTTON FACES.
- WHERE MULTIPLE CIRCUITS SERVE ONE ZONE, PROVIDE ADDITIONAL POWER PACKS AS REQUIRED TO CONTROL ALL CIRCUITS IN ZONE TOGETHER. PROVIDE ALL ACCESSORIES, DEVICES AND CABLING FOR OPERATION AS DESCRIBED.
- ALL 0-10V WIRING AND CATEGORY CABLING SHALL BE PROVIDED BY THE ELECTRICAL CONTRACTOR FOR A COMPLETE AND OPERATIONAL SYSTEM.
- THE INTERFACE CONNECTION FROM THE POWER PACKS AUXILIARY RELAYS TO THE BUILDING AUTOMATION SYSTEM SHALL BE PROVIDED BY THE TEMPERATURE CONTROLS CONTRACTOR (TCC).
- PROVIDE REMOTE TEST SWITCHES FOR EMERGENCY RELAY CONTROLLERS "ER" AND/OR "ET" LOCATED ABOVE ACCESSIBLE CEILING. TEST SWITCH SHALL BE LOCATED WITHIN THE AREA THAT THE "ER" IS SERVING. COORDINATE EXACT LOCATION WITH ARCHITECT AND ENGINEER PRIOR TO ROUGH-IN.
- ADJUST SENSOR LOCATION AND SENSITIVITY LEVELS TO MINIMIZE NUISANCE TRIPPING AND FALSE OFF'S.
- SET AUTOMATIC OFF INTERVAL AT 20 MINUTES.
- POWER PACKS LOCATED IN GYMNASIUMS AND AREAS SUBJECT TO DAMAGE SHALL BE INSTALLED IN A NEMA 1 METAL ENCLOSURE.
- SUBMIT FULL SIZE MANUFACTURER SHOP DRAWINGS, WITH BILL OF MATERIALS, INDICATING ALL DEVICE LOCATIONS, OCCUPANCY/VACANCY SENSOR COVERAGE PATTERNS AND RISER DIAGRAMS. PROVIDE ADDITIONAL OCCUPANCY SENSORS, AS REQUIRED, FOR 100% COVERAGE.
- CONTRACTOR SHALL VERIFY ALL ROOM NAMES AND NUMBERS USED FOR LABELING IS IN ACCORDANCE WITH FINAL DESIGNATIONS CHOSEN BY THE OWNER AND ARCHITECT.
- EXACT LOCATION OF ALL DEVICES SHALL BE INDICATED ON RECORD/AS-BUILT DRAWINGS.
- EXTRA MATERIALS: PROVIDE TWO (2) OF EACH LIGHTING CONTROL DEVICE UTILIZED. EXTRA MATERIALS SHALL BE HANDLED OVER TO THE OWNER AT SUBSTANTIAL COMPLETION.
- FURNISH ALL REQUIRED CONTROL WIRING AND ALL COMPONENTS NECESSARY FOR A COMPLETE AND OPERATIONAL SYSTEM.
- COORDINATE ALL DEVICE BACK BOX SIZES, LOCATIONS, MOUNTING HEIGHTS, ETC. WITH MANUFACTURER RECOMMENDATIONS AND WIRING DIAGRAM PRIOR TO CONSTRUCTION.

LIGHTING CONTROL LEGEND

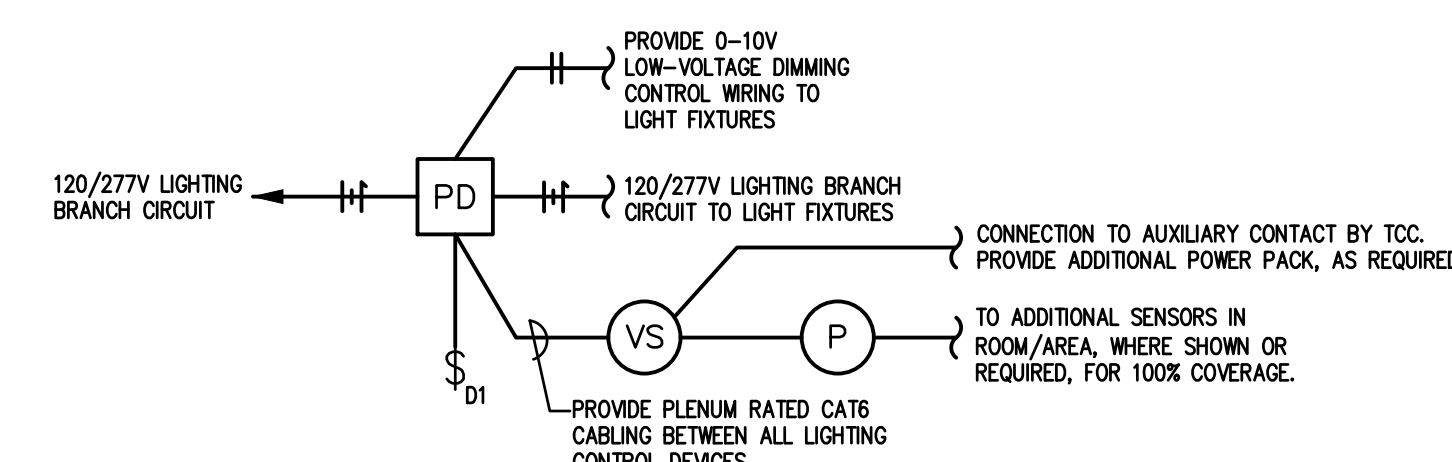
LIGHT SWITCH, SPST, GENERAL PURPOSE	SEE SPECS.	\$
LIGHT SWITCH, 3-WAY	SEE SPECS.	\$3
FULL RANGE SLIDE DIMMER WITH ON/OFF BUTTON, 277VAC RATED	LEVITON	WATTSTOPPER
DIGITAL WALL SWITCH, ON/OFF, SINGLE ZONE	SENSOR SWITCH HFSM-DX	WATTSTOPPER LMSW-101
DIGITAL ON/OFF WALL SWITCH WITH DIMMING, SINGLE ZONE	SENSOR SWITCH HFSM-DX	WATTSTOPPER LMSW-101
OCCUPANCY SENSOR WALL SWITCH, DUAL TECHNOLOGY, SINGLE POLE, (800W AT 120VAC, 1200W AT 277VAC)	SENSOR SWITCH WSX P01	WATTSTOPPER DSW-301
VACANCY SENSOR WALL SWITCH, DUAL TECHNOLOGY, SINGLE POLE, (800W AT 120VAC, 1200W AT 277VAC)	SENSOR SWITCH WSX P01	WATTSTOPPER DSW-301
OCCUPANCY SENSOR WALL SWITCH WITH 0-10V DIMMING, DUAL TECHNOLOGY, SINGLE POLE	SENSOR SWITCH WSX P01	WATTSTOPPER DSW-311
CEILING MOUNTED EXTENDED RANGE DUAL-TECHNOLOGY OCCUPANCY SENSOR, WITH AUXILIARY RELAY FOR CONNECTION TO BAS BY TCC.	SENSOR SWITCH H0M P01 9 R/B AR	WATTSTOPPER LMDC-100
CEILING MOUNTED EXTENDED RANGE DUAL-TECHNOLOGY VACANCY SENSOR, WITH AUXILIARY RELAY FOR CONNECTION TO BAS BY TCC.	SENSOR SWITCH H0M P01 9 R/B AR	WATTSTOPPER LMDC-100

LIGHTING CONTROL LEGEND NOTES:

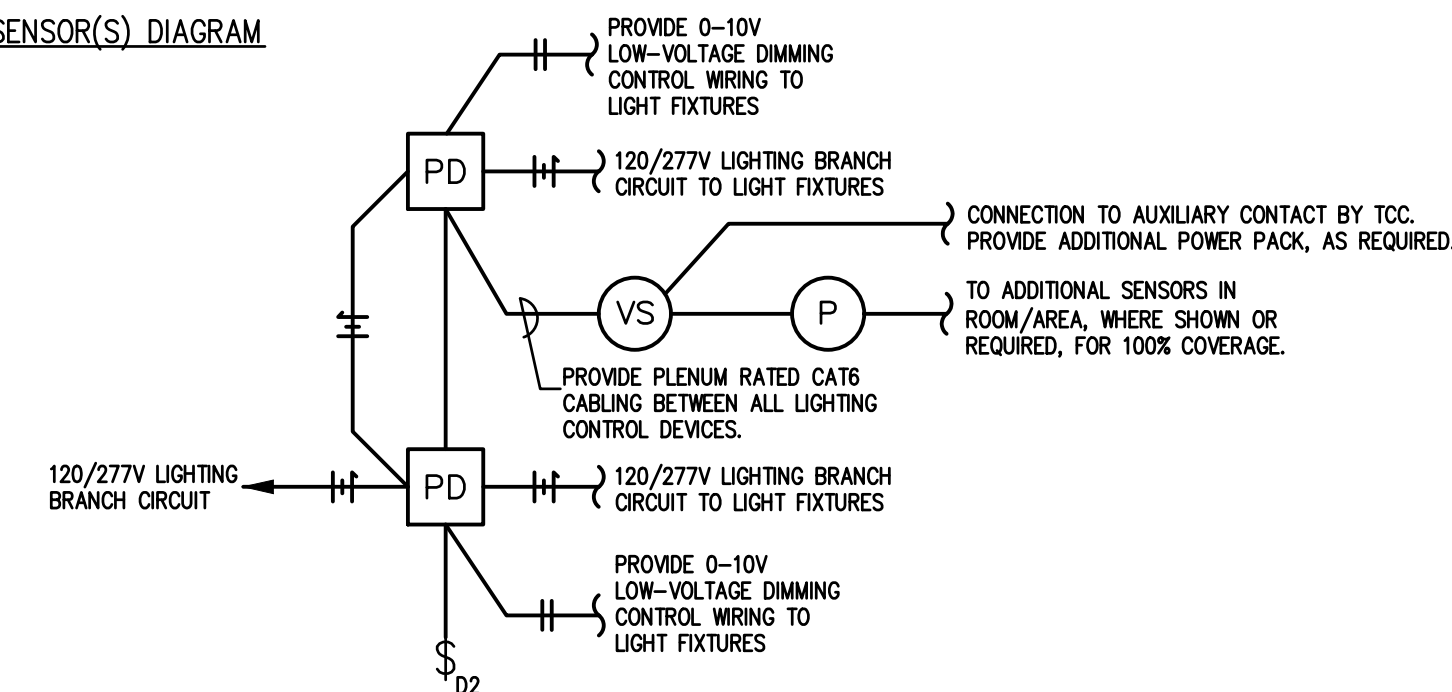
- OCCUPANCY SENSORS SHALL BE PROGRAMMED AS AUTOMATIC ON, AUTOMATIC OFF.
- VACANCY SENSORS SHALL BE PROGRAMMED AS MANUAL ON, AUTOMATIC OFF.
- OR EQUAL BY WATTSTOPPER OR COOPER CONTROLS.
- SENSOR AUTOMATIC OFF TIME INTERVAL TO BE SET AT 20 MIN.
- ADJUST SENSOR LOCATION AND SENSITIVITY LEVELS TO MINIMIZE NUISANCE TRIPPING AND FALSE OFF'S.
- ALL DEVICES SHALL BE LOCATED IN ACCESSIBLE LOCATIONS APPROVED BY ENGINEERS.
- REFER TO SPECIFICATION FOR DEVICE FINISHES.



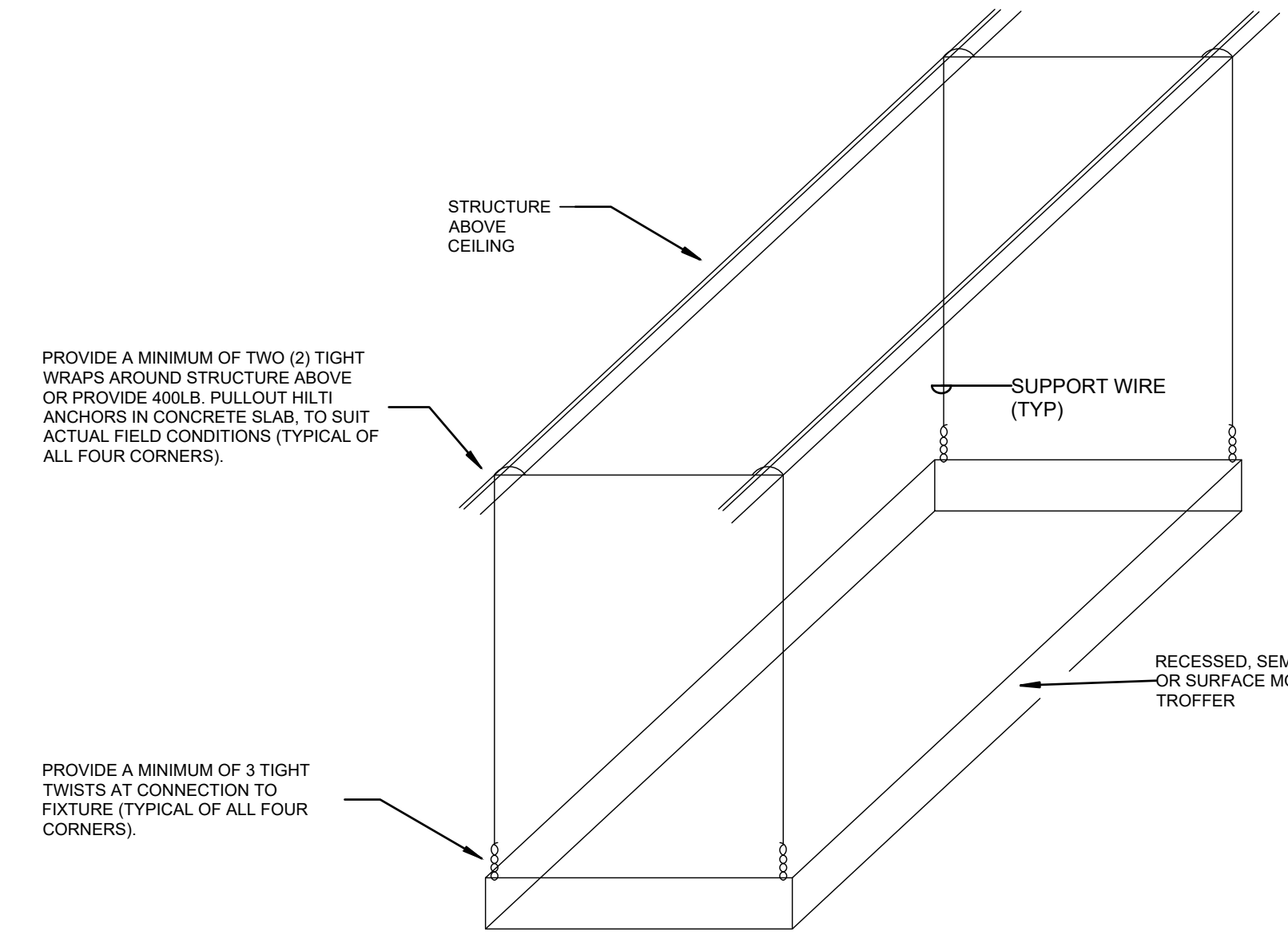
SINGLE-ZONE CEILING MOUNTED OCCUPANCY SENSOR(S) DIAGRAM



SINGLE-ZONE CEILING MOUNTED VACANCY SENSOR(S) WITH DIMMING DIAGRAM



DUAL-ZONE CEILING MOUNTED VACANCY SENSOR(S) WITH DIMMING DIAGRAM

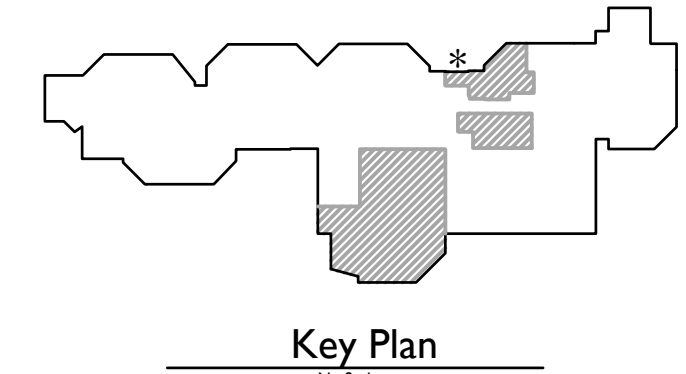


GENERAL TROFFER SUPPORT DETAIL NOTES:
 1. SUPPORT WIRES SHALL BE GALVANIZED REGULAR COATING, SOFT TEMPER, 0.1055 INCHES IN DIAMETER (10 GAGE).
 2. ALTERNATELY, CONTRACTOR MAY SUPPORT FIXTURES WITH SINGLE WIRE FROM ALL FOUR CORNERS OF FIXTURE PER SPECIFICATIONS WITH NUMBER OF TWISTS AT FIXTURE AND NUMBER OF WRAPS AROUND STRUCTURE INDICATED IN THIS DETAIL.

1 STAND-ALONE LIGHTING CONTROL DETAILS
 SCALE: NONE

2 TROFFER SUPPORT DETAIL
 SCALE: NONE

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 COMMUNITY SCHOOLS

PROJECT TITLE
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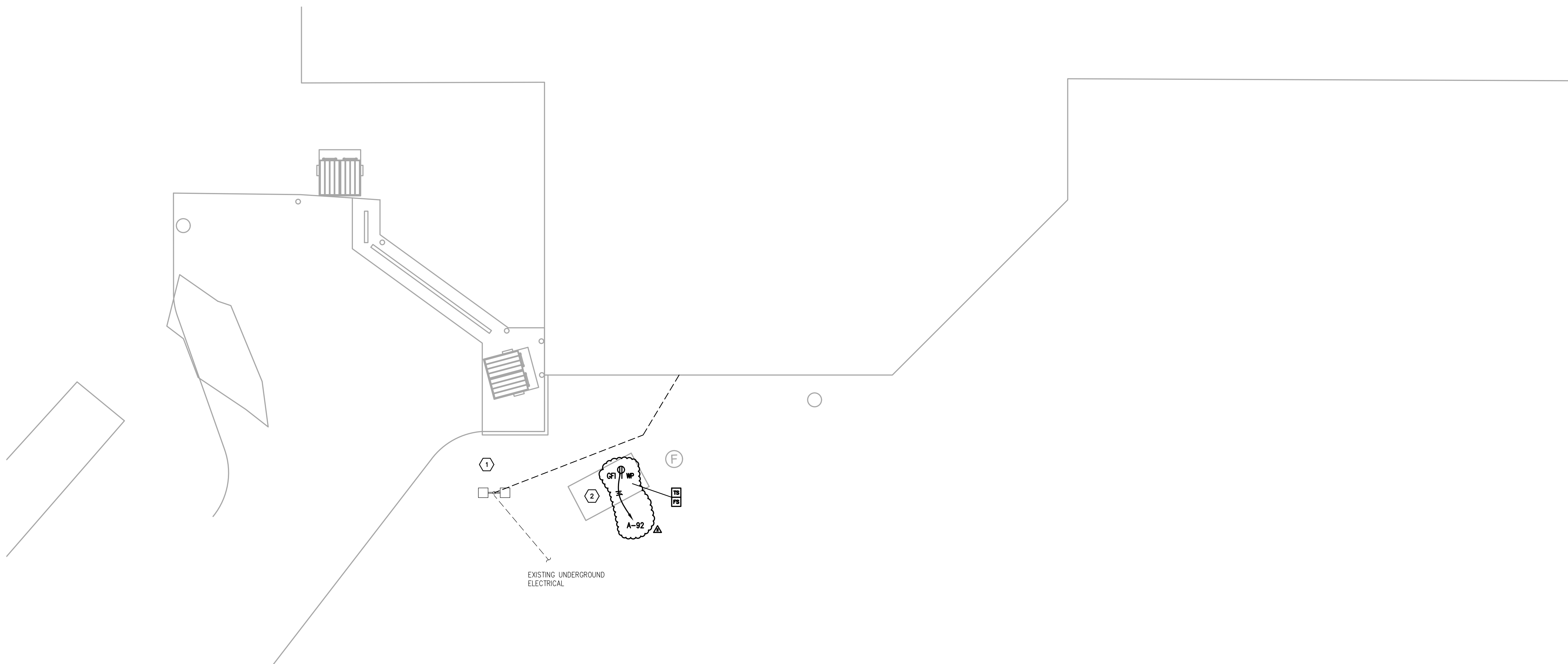
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 Architecture - Engineering - Interiors
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PARTIAL SITE PLAN - ELECTRICAL DEMOLITION

SCALE: 1/16" = 1'-0"

1
UE100



PARTIAL SITE PLAN - NEW ELECTRICAL

SCALE: 1/16" = 1'-0"

2
UE100

GENERAL SITE WORK NOTES :

- A. DO NOT SCALE FROM MECHANICAL AND ELECTRICAL DRAWINGS. FIELD VERIFY REQUIRED DIMENSIONS AND COORDINATE WITH CIVIL DRAWINGS AND SURVEYS.
- B. REFER ALSO TO ALL OTHER PLANS AND THE SPECIFICATION, BUT ESPECIALLY TO: THE SITE SURVEY, THE ARCHITECTURAL SITE PLAN, THE SITE GRADING PLAN, THE PLANTING PLAN (WHERE AVAILABLE), FOUNDATION PLANS, APPROPRIATE MECHANICAL & ELECTRICAL FLOOR PLANS FOR SERVICE CONTINUATIONS, THE SITE UTILITY PLAN - MECHANICAL & ELECTRICAL. WHERE THERE ARE CONFLICTS AMONG THESE PLANS AND/OR RELATED SPECIFICATIONS, ADVISE THESE ENGINEERS AT LEAST TEN DAYS PRIOR TO SUBMISSION OF BIDS.
- C. ALL FEES AND ANY OTHER COSTS TO UTILITY COMPANIES, MUNICIPALITIES, INSPECTORS, REVIEWING AGENCIES, ETC. ARE TO BE INCLUDED AS A PART OF THIS CONTRACT.
- D. FEDERAL, STATE, LOCAL, MUNICIPALITY AND UTILITY COMPANY CODES, RULES, REGULATIONS AND REQUIREMENTS APPLY UNLESS EXCEEDED BY THIS DESIGN.
- E. WHEN INTERRUPTION OF AN EXISTING UTILITY OR SERVICE IS PLANNED OR OCCURS ACCIDENTALLY, THE CONTRACTOR(S) SHALL WORK CONTINUOUSLY AS NEEDED TO RESTORE SAME PROVIDING PREMIUM TIME AS NEEDED AT NO INCREASE IN THE CONTRACT PRICE.
- F. LOCATIONS, DEPTHS, MATERIAL TYPES, ELEVATIONS, ETC. OF ALL APPURTENANCES, LINES, BUILDINGS, ETC. INDICATED ON THESE DRAWINGS WERE TAKEN FROM VARIOUS SOURCES, ARE DIAGNOSTIC ONLY AND ARE SUBJECT TO SUBSTANTIAL VARIATION FROM EXISTING CONDITIONS. EXISTING UTILITIES LOCATIONS MAY VARY. CONSEQUENTLY ALL CONTRACTORS SHALL EXERCISE EXTREME CARE IN THE COURSE OF THEIR WORK SO AS TO ENSURE THAT THEY DO NOT INTERRUPT ANY EXISTING SERVICE. FOR SAFETY PURPOSES, PAY PARTICULAR ATTENTION TO THIS PRECAUTION RELATIVE TO NATURAL GAS AND ELECTRICAL LINES. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH ALL FEDERAL, STATE, AND/OR LOCAL RULES, REGULATIONS, STANDARDS AND SAFETY REQUIREMENTS.
- G. PROVIDE LONG RADIUS ELBOWS FOR UNDERGROUND CONDUIT BENDS. WHERE SERVING A UTILITY OWNED TRANSFORMER, THE UTILITY STANDARDS SHALL TAKE PRECEDENCE.
- H. UTILITIES SHALL BE INSTALLED IN ACCORDANCE WITH THE APPLICABLE MUNICIPALITY OR UTILITY COMPANY STANDARDS. IN ALL CASES, THE MOST STRINGENT REQUIREMENT SHALL APPLY. IF ANY VARIATION OCCURS, CONSULT THE ENGINEER. CONTRACTOR SHALL VISIT THE SITE AND FIELD VERIFY THE ROUTING OF ALL UTILITIES NEW AND EXISTING PRIOR TO SUBMISSION OF BIDS. SUBMISSION OF A BID PROPOSAL INDICATES THAT THE CONTRACTOR IS FULLY AWARE OF ALL OBSTRUCTIONS AND WILL INSTALL ALL OF THE NEW UTILITIES WITHOUT REQUESTS FOR ANY ADDITIONAL CHANGES.
- I. PROVIDE GALVANIZED RIGID CONDUIT FOR EXTERIOR UNDERGROUND INSTALLATIONS TO ABOVE GRADE. EXTEND CONDUIT A MINIMUM OF 4' ABOVE GRADE.
- J. CONTRACTOR SHALL PERFORM A SMOKE TEST ON ALL CONDUITS INSTALLED ON SITE AND SHALL TAKE ALL NECESSARY CORRECTIVE ACTION IF NOT FOUND IN COMPLIANCE WITH FACILITY STANDARDS.
- K. CONTRACTOR SHALL CONTACT ENGINEER FOR INSPECTION OF TRENCHES PRIOR TO INSTALLATION OF CONDUITS OR RACEWAYS. PROVIDE PHOTOS UPON REQUEST.
- L. CONTRACTOR SHALL CUT AND PATCH ALL PAVEMENT, CURBING, ETC. AS REQUIRED FOR WORK. CONTRACTOR SHALL REPAIR ALL LANDSCAPING THAT IS DAMAGED FOR WORK. FINISH GRADE, SEED AND STRAW ALL DISTURBED GREEN SPACES. ALL PATCH AND REPAIR WORK SHALL BE IN ACCORDANCE WITH BOTH CIVIL AND LANDSCAPE DRAWINGS AND SPECIFICATIONS.

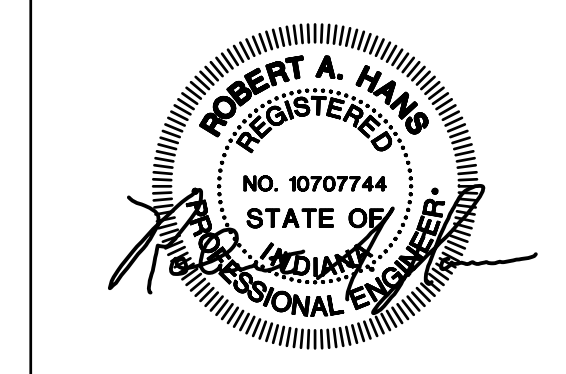
TAGGED NOTES :

1. REMOVE EXISTING UNDERGROUND ELECTRICAL CONNECTIONS TO SITE LIGHT POLE AS SHOWN TO ACCOMMODATE BUILDING ADDITION, ROUTE NEW ELECTRICAL FEED FOR SITE LIGHT POLE AS REQUIRED AND RECONNECT TO EXISTING CIRCUIT.
2. RECONNECT EXISTING FIRE ALARM CONNECTIONS FOR FIRE SUPPRESSION SYSTEM VAULT AT NEW LOCATION INDICATED. FIELD VERIFY EXACT CONDITIONS PRIOR TO CONSTRUCTION.

Notice
The Architect/Engineer does not define the scope of individual trades, subcontractors, material suppliers, or vendors. Any sheet numbering system used which identifies disciplines is solely for the Architect/Engineer's convenience, and is not intended to define a subcontractor's scope of work. Information regarding individual trades, subcontractors, material suppliers, and vendors may be detailed, described and indicated at different locations throughout these documents. No consideration will be given to requests for change orders for failure to obtain and review the complete set of drawings and specifications when preparing bids, prices, and quotations.

Key Plan

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ISSUED FOR	DATE
Public Bidding	04-03-2024
Addendum No. 1	04-12-2024
Addendum No. 2	04-22-2024

PROJECT TITLE
NORTH HARRISON
ELEMENTARY SCHOOL
2024 ADDITIONS AND
RENOVATIONS

OWNER
NORTH HARRISON
COMMUNITY SCHOOLS
1115 W WHISKEY RUN RD. NW
RAMSEY, IN 47166

SHEET TITLE
ELECTRICAL SITE PLAN

SHEET NUMBER
UE100

DATE
APRIL 3, 2024