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SE/Coady 2

ARCHITECTS

addendum

No.	02	**Project:**	WCFPD Station 1
Date:	September 19, 2025	**Project No:**	025-2125

This Addendum forms a part of the bidding and contract documents and modifies the contract documents, dated September 5, 2025. Bidders are to acknowledge receipt of this Addendum on your submitted Bid. Failure to acknowledge receipt of addendum may subject Bidder to disqualification. This Addendum is hereby made part of the Bid Documents and shall be included in the Contract.

The requirements contained in the Bidding Documents shall apply to the Addendum. The work called in this Addendum shall be the same as set forth in the applicable portions of the Bid Documents unless specified in this Addendum. All incidental work necessitated by this Addendum as required to properly complete the Work shall be included in the Bids even though not specifically stated in the Addendum.

Modifications to Project Manual:

1) Division 0 /Procurement and Contracting Requirements
   a. Revision to Cover
   b. Revisions to section 00 22 13.1 A701-2018 Instructions to Bidders
2) Division 1/ Section 011000 Summary
   a. Revision to section
3) Division 1/Section 012300 Alternates
   a. Revisions to section.
4) Division 1/Section 012500.01 – Substitution Request Form
   a. Revision to form
5) Division 6/ Section 066116 Solid Surfacing Wall Panel
   a. Replace section.
6) Division 7/Section 074600 Siding
   a. Revisions to section.
7) Division 8 / Section 085200 – Wood Windows
   a. Revisions to section.

Modifications to Construction Drawings:

1) Sheet G001 – TITLE SHEET WITH CODE REVIEW
   a. REVISE the sheet index to include new Sheet M301.
2) Sheet A101 – PARTIAL FLOOR PLAN – WEST.
   a. REVISE dimensions at north offices.
   b. ADD Floor Plan Keyed Notes 53 and 54.

c. REVISE Keyed Note 45.
d. ADDED / REMOVED Keyed notes from plan.
e. ADD shower curtain and rod at all shower locations.
f. REMOVE (1) TV from Dayroom 162.

3) Sheet A102 – PARTIAL FLOOR PLAN – EAST
   a. ADD Floor Plan Keyed Notes 53 and 54.
   a. REVISE Keyed Note 45. New note to indicate location of shower caddie.
   b. REMOVE plastic laminate restroom wall cabinet cubbies and modify partition type at those locations.
   c. MODIFIED partition types at several locations.
   d. MODIFIED and ADDED Keyed Notes on the floor plans.
   e. ADD missing night stands to Bunk Room 1 – 149.
   f. ADD shower curtain and rod at all shower locations.
   g. REMOVE the TV on the North end of the DAY Room wall.
4) Sheet A121 – PARTIAL REFLECTED CEILING PLAN – WEST
   a. REVISE the height of the Meeting Room 123 acoustic tile ceiling to 10'-0" and the height of the perimeter soffits to 9'-6".
   b. ADD Keyed Note C10 regarding attic insulation. ADD dashed line on plan indicating location of insulation on face of CMU walls.
5) Sheet A122 – PARTIAL REFLECTED CEILING PLAN – WEST
   a. ADD Keyed Note C10 regarding attic insulation. ADD dashed line on plan indicating location of insulation on face of CMU walls.
6) Sheet A141 – PARTIAL ROOF PLAN – WEST
   a. ADD additional Ice and water guard locations.
   b. ADD Keyed Notes R13, R14, R15, R16, R17.
   c. ADD roof top mechanical equipment and note.
   d. ADD detail 3/A141 and reference to detail on roof plan.
7) Sheet A201 – EXTERIOR ELEVATIONS
   a. ADD Keyed Note E27.
   b. ADJUSTED location of several Keyed Notes so that they are visible.
   c. ADD control joint location.
8) Sheet A202 – EXTERIOR ELEVATIONS
   a. ADD Keyed Note E27.
   b. HID several elevation tags to eliminate overlap.
9) Sheet A203 – EXTERIOR ELEVATIONS
   a. ADD Keyed Note E27.
   b. ADJUSTED location of several Keyed Notes so that they are visible.
10) Sheet A221 – INTERIOR ELEVATIONS
   a. MODIFIED Transaction Window in Elevation 1/A221 and 6/A221.
   b. ADD Keyed Notes E71, E72, E73.
   c. MODIFIED / ADDED Keyed Notes to elevations.
   d. ADD missing dimensions to elevations
   e. REVISE / ADD Countertop material in 22/A221 and 23/A221.
   f. MODIFY Keyed Notes E28, E36, E47, E49 and E69.
11) Sheet A222 – INTERIOR ELEVATIONS
   a. ADD Keyed Notes E71, E72, E73.
   b. ADD Keyed Notes to elevations.
   c. MODIFY Keyed Note E69. Remove plastic laminate cubbies from restrooms.
   d. REVISE several of the interior finishes.

    e. MODIFY Keyed Notes E28, E36, E47 and E49.
12) Sheet A223 – INTERIOR ELEVATIONS
    a. ADD Keyed Notes E71, E72, E73.
    b. ADD Keyed Notes to elevations.
    c. MODIFY Keyed Notes E28, E36, E47 and E49
13) Sheet A302 – BUILDING SECTIONS
    a. REVISE Step flashing in Building Section 1/A302.
14) Sheet A321
    a. REVISE wall section 3/321.
15) Sheet A322
    a. REVISE wall sections 2/322 and 4/322.
16) Sheet A323
    a. REVISE wall sections 3/A323, 4/A323/ and 5/A323
17) Sheet A501 – PLAN DETAILS
    a. REVISE dumpster surround wall cap to be “Cast Stone”.
    b. REVISE dumpster surround split face block to match building split face material.
    c. REVISE dumpster gate material in 13/A501.
18) Sheet A541
    a. REVISE section detail 5/A541
19) Sheet A542
    a. REVISE section details 2/A542, ,3/A542, 9/A542, 10/A542,
20) Sheet A601 – DOOR HARDWARE
    a. REVISE Door 100B height in the door schedule.
    b. REVISE door hardware groups.
    c. ADD vertical mullion to door frame F4.
21) Sheet A602 – PARITION TYPES AND WINDOW TYPES
    a. REVISE top of partition details.
    b. ADD general note regarding taping joints in drywall in concealed spaces.
22) Sheet A603 – PARTIAL EQUIPMENT PLAN (WEST) AND SCHEDULE
    a. REVISE location of hose reel to coordinate with Plumbing documents.
23) Sheet A961 – PARTIAL ROOM FINISH PLAN (WEST) AND LEGEND
    a. ADD finish tags to rooms where they are missing.
    b. ADD Keyed Notes F7, F8 and F9.
    c. REVISE HPL-3 to be for countertops
24) Sheet A962 – PARTIAL ROOM FINISH PLAN (EAST) AND LEGEND
    a. ADD finish tags to rooms where they are missing.
    b. ADD Keyed Notes F7, F8 and F9.
    c. REVISE HPL-3 to be for countertops
25) Sheet S200 - FOUNDATION PLAN
    a. UPDATE slab note and add footing dimensions.
26) Sheet S210 – FOUNDATION DETAILS
    a. ADD Section F2A.
    b. UPDATE Detail F4.
    c. ADD Typ. Minus Rock Under Slab/Footing Detail.
27) Sheet S300 – ROOF FRAMING PLAN
    a. ADD framing notes #5 and #6.
    b. ADD two headers.
    c. UPDATE framing dimensions.

28) Sheet S300A – SHEAR WALL PLAN
    a. UPDATE shear wall schedule.
29) Sheet S310 – ROOF FRAMING DETAILS
    a. UPDATE Details S1, S1A and S2.
30) Sheet S311 – ROOF FRAMING DETAILS
    a. UPDATE Detail S10.
31) Sheet S312 – FRAMING AND STANDARD CMU DETAILS
    a. UPDATE Typ. Lintel to CMU/Column Connection, Typ. Lintel @ Overhead Doors and Typ. Hose Wheel Details.
32) Sheet S410 – STORM SHELTER FRAMING DETAILS
    a. ADD Horizontal/Vertical Protection Plate for 8" dia. Sq. opening.
    b. UPDATE Typical Hardened Space Masonry Opening Reinforcement w/ No Steel Header Detail.
33) Sheet S510 – HOSE TOWER STAIR/MEZZANINE FRAMING DETAILS
    a. UPDATE Details ST5 and ST6.
34) Sheet P100 – UNDERFLOOR PLAN – PLUMBING
    a. ADD 2" waste and vent piping for shower in TLT. 132A.
    b. REVISE TD-1 from a 4 foot long drain to a 3 foot long drain and adjust location so that TD-1 access hatch is located between the gear extractor and the dryer for access.
35) Sheet P200 – FIRST FLOOR PLAN – PLUMBING
    a. ADD FD-2 and SH-1 callouts with associated vent piping and cold water and hot water piping to shower in TLT. 132A.
    b. REVISE plan to graphically show EWC-1 in Corridor 128.
    c. ADD WB-1 behind refrigerator with associated cold water piping in Meeting Room 123.
    d. REVISE plan to graphically show EWC-1 in Weight Room 156.
36) Sheet P500 – SCHEDULES
    a. REVISE drain schedule to change TD-1 from a 4 foot long drain to a 3 foot long drain and change model from TT-4 to TT-3.
    b. REVISE BFP-1 location to "Sprinkler Riser / Storage 124" on Backflow Preventer Schedule.
    c. REVISE Plumbing Fixture Schedule to add "Type" to SH-1 as "Shower (ADA Adaptable)".
    d. REVISE Plumbing Fixture Schedule to add "ADA" to the specification of L-2.
    e. REVISE SK-2 on Plumbing Fixture Schedule from drop in type to be an undermount type. Revised specifications text and model accordingly.
37) Sheet P602 – ISOMETRIC DIAGRAMS – ADMINISTRATION
    a. ADD shower SH-1 with associated cold and hot water piping in ISO Water Decon 132 & TLT 132A.
    b. ADD shower SH-1 and floor drain FD-2 with associated waste and vent piping in ISO DWV Decon 132 & TLT 132A.
    c. ADJUST TD-1 for new shorter fixture in ISO DWV Decon 132 & TLT 132A.
38) Sheet M200 – FIRST FLOOR PLAN – MECHANICAL
    a. NOTED return air transfer openings by G.C. in full height partitions.
    b. ADD fire dampers FD-1 and FD-2.
    c. ADJUSTED location of louver L-4 in Hose Tower 133.
    d. REVISED air device type for Elec 161.
39) Sheet M201 – ROOF PLAN – MECHANICAL

a. ADD attic ventilation fans.
b. ADJUSTED location of louver L-5 in Hose Tower 133.

40) Sheet M300 – FIRST FLOOR PLAN – MECHANICAL PIPING
    a. RELOCATED ODU-1 from grade to roof.
    b. RELOCATED CU-1 from grade to roof.
41) Sheet M301 – ROOF PLAN – MECHANICAL PIPING
    a. ADD sheet in it's entirety.
42) Sheet M401 – SPECIFICATIONS
    a. ADD fire damper details.
43) Sheet M500 – SCHEDULES
    a. REVISE Air Device Schedule to add air device type S2.
    b. ADD Fire Damper Schedule.
    c. REVISE Exhaust Fan Schedule to add attic ventilation fans.
44) Sheet E100 – SITE PLAN
    a. REVISE primary power routing to correspond with Ameren design.
45) Sheet E201 – FLOOR PLAN
    a. ADD power to storm shelter louvers.
    b. ADD power to various TV locations.
    c. REVISE heaters in garage to be powered from EM panel.
    d. REVISE Design Build Scope to be Low Voltage Scope and revised scope of work.
46) Sheet E301 – CEILING PLAN
    a. RELOCATED ceiling fans in app bay and deleted one.
    b. REVISED lighting fixtures in storm shelter and electrical room.
47) Sheet E500 – ELECTRICAL SCHEDULES
    a. REVISED electrical schedules accordingly.
    b. ADD pole height to site lighting fixtures.

End of Addendum

Project Manual For:

Wright City Fire Protection District

Station 1

396 W 2nd St N
Wright City, Missouri 63390

Identification:

Design/Builder:

LCS, LLC
1024 Cool Springs Industrial Drive
O'Fallon, MO 63366
Ph: 636.294.6245

Architect:

SE/Coady Architects, LLC
861 North Madison Street
Rockford, Illinois 61107
Ph: 815.316.8776

Civil Engineer:

Engenuity
16305 Swingley Ridge Road
Suite 100
Chesterfield, MO 61017
Ph: 314.819.9189

Structural Engineer:

Crockett Engineering Consultants
1000 W Nifong Blvd., Bldg. 1
Columbia, MO 65203
Ph: 573.447.0292

MP Design/Builder:

Jarrell Mechanical Contractors
4208 Rider Trail North
Earth City, MO 63045
Ph: 314.291.0100

Electrical Design/Builder:

Engenuity
16305 Swingley Ridge Road
Suite 100
Chesterfield, MO 61017
Ph: 314.819.9189

Issue For Bid / Permit Set
SE/Coady Architects Project No: 025-2125
September 05, 2025

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AIA® Document A701™ – 2018

Instructions to Bidders

for the following Project:
(Name, location, and detailed description)

«Wright City Fire Protection District»
«Station 1 »
«Wright City, Missouri»

THE OWNER:
(Name, legal status, address, and other information)

«Wright City Fire Protection District »« »
«396 W 2nd St N. »
«Wright City, MO 63390 »
« »

THE ARCHITECT:
(Name, legal status, address, and other information)

«SE/Coady Architects, LLC »« »
«861 N. Madison St. »
«Rockford, IL 61107 »
« »

TABLE OF ARTICLES

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6 POST-BID INFORMATION

7 PERFORMANCE BOND AND PAYMENT BOND

8 ENUMERATION OF THE PROPOSED CONTRACT DOCUMENTS

ADDITIONS AND DELETIONS: The author of this document has added information needed for its completion. The author may also have revised the text of the original AIA standard form. An *Additions and Deletions Report* that notes added information as well as revisions to the standard form text is available from the author and should be reviewed.

This document has important legal consequences. Consultation with an attorney is encouraged with respect to its completion or modification.

FEDERAL, STATE, AND LOCAL LAWS MAY IMPOSE REQUIREMENTS ON PUBLIC PROCUREMENT CONTRACTS. CONSULT LOCAL AUTHORITIES OR AN ATTORNEY TO VERIFY REQUIREMENTS APPLICABLE TO THIS PROCUREMENT BEFORE COMPLETING THIS FORM.

It is intended that AIA Document G612™–2017, Owner's Instructions to the Architect, Parts A and B will be completed prior to using this document.

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ARTICLE 1 DEFINITIONS

§ 1.1 Bidding Documents include the Bidding Requirements and the Proposed Contract Documents. The Bidding Requirements consist of the advertisement or invitation to bid, Instructions to Bidders, supplementary instructions to bidders, the bid form, and any other bidding forms. The Proposed Contract Documents consist of the unexecuted form of Agreement between the Owner and Contractor and that Agreement's Exhibits, Conditions of the Contract (General, Supplementary and other Conditions), Drawings, Specifications, all Addenda, and all other documents enumerated in Article 8 of these Instructions.

§ 1.2 Definitions set forth in the General Conditions of the Contract for Construction, or in other Proposed Contract Documents apply to the Bidding Documents.

§ 1.3 Addenda are written or graphic instruments issued by the Architect, which, by additions, deletions, clarifications, or corrections, modify or interpret the Bidding Documents.

§ 1.4 A Bid is a complete and properly executed proposal to do the Work for the sums stipulated therein, submitted in accordance with the Bidding Documents.

§ 1.5 The Base Bid is the sum stated in the Bid for which the Bidder offers to perform the Work described in the Bidding Documents, to which Work may be added or deleted by sums stated in Alternate Bids.

§ 1.6 An Alternate Bid (or Alternate) is an amount stated in the Bid to be added to or deducted from, or that does not change, the Base Bid if the corresponding change in the Work, as described in the Bidding Documents, is accepted.

§ 1.7 A Unit Price is an amount stated in the Bid as a price per unit of measurement for materials, equipment, or services, or a portion of the Work, as described in the Bidding Documents.

§ 1.8 A Bidder is a person or entity who submits a Bid and who meets the requirements set forth in the Bidding Documents.

§ 1.9 A Sub-bidder is a person or entity who submits a bid to a Bidder for materials, equipment, or labor for a portion of the Work.

ARTICLE 2 BIDDER'S REPRESENTATIONS

§ 2.1 By submitting a Bid, the Bidder represents that:

- **.1** the Bidder has read and understands the Bidding Documents;
- **.2** the Bidder understands how the Bidding Documents relate to other portions of the Project, if any, being bid concurrently or presently under construction;
- **.3** the Bid complies with the Bidding Documents;
- **.4** the Bidder has visited the site, become familiar with local conditions under which the Work is to be performed, and has correlated the Bidder's observations with the requirements of the Proposed Contract Documents;
- **.5** the Bid is based upon the materials, equipment, and systems required by the Bidding Documents without exception; and
- **.6** the Bidder has read and understands the provisions for liquidated damages, if any, set forth in the form of Agreement between the Owner and Contractor.

ARTICLE 3 BIDDING DOCUMENTS

§ 3.1 Distribution

§ 3.1.1 Bidders shall obtain complete Bidding Documents, as indicated below, from the issuing office designated in the advertisement or invitation to bid, for the deposit sum, if any, stated therein.
(Indicate how, such as by email, website, host site/platform, paper copy, or other method Bidders shall obtain Bidding Documents.)

« »

§ 3.1.2 Any required deposit shall be refunded to Bidders who submit a bona fide Bid and return the paper Bidding Documents in good condition within ten days after receipt of Bids. The cost to replace missing or damaged paper

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documents will be deducted from the deposit. A Bidder receiving a Contract award may retain the paper Bidding Documents, and the Bidder's deposit will be refunded.

§ 3.1.3 Bidding Documents will not be issued directly to Sub-bidders unless specifically offered in the advertisement or invitation to bid, or in supplementary instructions to bidders.

§ 3.1.4 Bidders shall use complete Bidding Documents in preparing Bids. Neither the Owner nor Architect assumes responsibility for errors or misinterpretations resulting from the use of incomplete Bidding Documents.

§ 3.1.5 The Bidding Documents will be available for the sole purpose of obtaining Bids on the Work. No license or grant of use is conferred by distribution of the Bidding Documents.

§ 3.2 Modification or Interpretation of Bidding Documents

§ 3.2.1 The Bidder shall carefully study the Bidding Documents, shall examine the site and local conditions, and shall notify the Architect of errors, inconsistencies, or ambiguities discovered and request clarification or interpretation pursuant to Section 3.2.2.

§ 3.2.2 Requests for clarification or interpretation of the Bidding Documents shall be submitted by the Bidder in writing and shall be received by the Architect at least seven days prior to the date for receipt of Bids.
(Indicate how, such as by email, website, host site/platform, paper copy, or other method Bidders shall submit requests for clarification and interpretation.)

« »

§ 3.2.3 Modifications and interpretations of the Bidding Documents shall be made by Addendum. Modifications and interpretations of the Bidding Documents made in any other manner shall not be binding, and Bidders shall not rely upon them.

§ 3.3 Substitutions

§ 3.3.1 The materials, products, and equipment described in the Bidding Documents establish a standard of required function, dimension, appearance, and quality to be met by any proposed substitution.

§ 3.3.2 Substitution Process

§ 3.3.2.1 Written requests for substitutions shall be received by the Architect at least ten days prior to the date for receipt of Bids. Requests shall be submitted in the same manner as that established for submitting clarifications and interpretations in Section 3.2.2.

§ 3.3.2.2 Bidders shall submit substitution requests on a Substitution Request Form if one is provided in the Bidding Documents.

§ 3.3.2.3 If a Substitution Request Form is not provided, requests shall include (1) the name of the material or equipment specified in the Bidding Documents; (2) the reason for the requested substitution; (3) a complete description of the proposed substitution including the name of the material or equipment proposed as the substitute, performance and test data, and relevant drawings; and (4) any other information necessary for an evaluation. The request shall include a statement setting forth changes in other materials, equipment, or other portions of the Work, including changes in the work of other contracts or the impact on any Project Certifications (such as LEED), that will result from incorporation of the proposed substitution.

§ 3.3.3 The burden of proof of the merit of the proposed substitution is upon the proposer. The Architect's decision of approval or disapproval of a proposed substitution shall be final.

§ 3.3.4 If the Architect approves a proposed substitution prior to receipt of Bids, such approval shall be set forth in an Addendum. Approvals made in any other manner shall not be binding, and Bidders shall not rely upon them.

§ 3.3.5 No substitutions will be considered after the Contract award unless specifically provided for in the Contract Documents.

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§ 3.4 Addenda

§ 3.4.1 Addenda will be transmitted to Bidders known by the issuing office to have received complete Bidding Documents.

(Indicate how, such as by email, website, host site/platform, paper copy, or other method Addenda will be transmitted.)

« »

§ 3.4.2 Addenda will be available where Bidding Documents are on file.

§ 3.4.3 Addenda will be issued no later than four days prior to the date for receipt of Bids, except an Addendum withdrawing the request for Bids or one which includes postponement of the date for receipt of Bids.

§ 3.4.4 Prior to submitting a Bid, each Bidder shall ascertain that the Bidder has received all Addenda issued, and the Bidder shall acknowledge their receipt in the Bid.

ARTICLE 4 BIDDING PROCEDURES

§ 4.1 Preparation of Bids

§ 4.1.1 Bids shall be submitted on the forms included with or identified in the Bidding Documents.

§ 4.1.2 All blanks on the bid form shall be legibly executed. Paper bid forms shall be executed in a non-erasable medium.

§ 4.1.3 Sums shall be expressed in both words and numbers, unless noted otherwise on the bid form. In case of discrepancy, the amount entered in words shall govern.

§ 4.1.4 Edits to entries made on paper bid forms must be initialed by the signer of the Bid.

§ 4.1.5 All requested Alternates shall be bid. If no change in the Base Bid is required, enter "No Change" or as required by the bid form.

§ 4.1.6 Where two or more Bids for designated portions of the Work have been requested, the Bidder may, without forfeiture of the bid security, state the Bidder's refusal to accept award of less than the combination of Bids stipulated by the Bidder. The Bidder shall neither make additional stipulations on the bid form nor qualify the Bid in any other manner.

§ 4.1.7 Each copy of the Bid shall state the legal name and legal status of the Bidder. As part of the documentation submitted with the Bid, the Bidder shall provide evidence of its legal authority to perform the Work in the jurisdiction where the Project is located. Each copy of the Bid shall be signed by the person or persons legally authorized to bind the Bidder to a contract. A Bid by a corporation shall further name the state of incorporation and have the corporate seal affixed. A Bid submitted by an agent shall have a current power of attorney attached, certifying the agent's authority to bind the Bidder.

§ 4.1.8 A Bidder shall incur all costs associated with the preparation of its Bid.

§ 4.2 Bid Security

§ 4.2.1 Each Bid shall be accompanied by the following bid security:

(Insert the form and amount of bid security.)

« »

§ 4.2.2 The Bidder pledges to enter into a Contract with the Owner on the terms stated in the Bid and shall, if required, furnish bonds covering the faithful performance of the Contract and payment of all obligations arising thereunder. Should the Bidder refuse to enter into such Contract or fail to furnish such bonds if required, the amount of the bid security shall be forfeited to the Owner as liquidated damages, not as a penalty. In the event the Owner fails to comply with Section 6.2, the amount of the bid security shall not be forfeited to the Owner.

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§ 4.2.3 If a surety bond is required as bid security, it shall be written on AIA Document A310™, Bid Bond, unless otherwise provided in the Bidding Documents. The attorney-in-fact who executes the bond on behalf of the surety shall affix to the bond a certified and current copy of an acceptable power of attorney. The Bidder shall provide surety bonds from a company or companies lawfully authorized to issue surety bonds in the jurisdiction where the Project is located.

§ 4.2.4 The Owner will have the right to retain the bid security of Bidders to whom an award is being considered until (a) the Contract has been executed and bonds, if required, have been furnished; (b) the specified time has elapsed so that Bids may be withdrawn; or (c) all Bids have been rejected. However, if no Contract has been awarded or a Bidder has not been notified of the acceptance of its Bid, a Bidder may, beginning« »days after the opening of Bids, withdraw its Bid and request the return of its bid security.

§ 4.3 Submission of Bids

§ 4.3.1 A Bidder shall submit its Bid as indicated below:
(Indicate how, such as by website, host site/platform, paper copy, or other method Bidders shall submit their Bid.)

« »

§ 4.3.2 Paper copies of the Bid, the bid security, and any other documents required to be submitted with the Bid shall be enclosed in a sealed opaque envelope. The envelope shall be addressed to the party receiving the Bids and shall be identified with the Project name, the Bidder's name and address, and, if applicable, the designated portion of the Work for which the Bid is submitted. If the Bid is sent by mail, the sealed envelope shall be enclosed in a separate mailing envelope with the notation "SEALED BID ENCLOSED" on the face thereof.

§ 4.3.3 Bids shall be submitted by the date and time and at the place indicated in the invitation to bid. Bids submitted after the date and time for receipt of Bids, or at an incorrect place, will not be accepted.

§ 4.3.4 The Bidder shall assume full responsibility for timely delivery at the location designated for receipt of Bids.

§ 4.3.5 A Bid submitted by any method other than as provided in this Section 4.3 will not be accepted.

§ 4.4 Modification or Withdrawal of Bid

§ 4.4.1 Prior to the date and time designated for receipt of Bids, a Bidder may submit a new Bid to replace a Bid previously submitted, or withdraw its Bid entirely, by notice to the party designated to receive the Bids. Such notice shall be received and duly recorded by the receiving party on or before the date and time set for receipt of Bids. The receiving party shall verify that replaced or withdrawn Bids are removed from the other submitted Bids and not considered. Notice of submission of a replacement Bid or withdrawal of a Bid shall be worded so as not to reveal the amount of the original Bid.

§ 4.4.2 Withdrawn Bids may be resubmitted up to the date and time designated for the receipt of Bids in the same format as that established in Section 4.3, provided they fully conform with these Instructions to Bidders. Bid security shall be in an amount sufficient for the Bid as resubmitted.

§ 4.4.3 After the date and time designated for receipt of Bids, a Bidder who discovers that it made a clerical error in its Bid shall notify the Architect of such error within two days, or pursuant to a timeframe specified by the law of the jurisdiction where the Project is located, requesting withdrawal of its Bid. Upon providing evidence of such error to the reasonable satisfaction of the Architect, the Bid shall be withdrawn and not resubmitted. If a Bid is withdrawn pursuant to this Section 4.4.3, the bid security will be attended to as follows:
(State the terms and conditions, such as Bid rank, for returning or retaining the bid security.)

« »

ARTICLE 5 CONSIDERATION OF BIDS

§ 5.1 Opening of Bids

If stipulated in an advertisement or invitation to bid, or when otherwise required by law, Bids properly identified and received within the specified time limits will be publicly opened and read aloud. A summary of the Bids may be made available to Bidders.

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§ 5.2 Rejection of Bids
Unless otherwise prohibited by law, the Owner shall have the right to reject any or all Bids.

§ 5.3 Acceptance of Bid (Award)
§ 5.3.1 It is the intent of the Owner to award a Contract to the lowest responsive and responsible Bidder, provided the Bid has been submitted in accordance with the requirements of the Bidding Documents. Unless otherwise prohibited by law, the Owner shall have the right to waive informalities and irregularities in a Bid received and to accept the Bid which, in the Owner's judgment, is in the Owner's best interests.

§ 5.3.2 Unless otherwise prohibited by law, the Owner shall have the right to accept Alternates in any order or combination, unless otherwise specifically provided in the Bidding Documents, and to determine the lowest responsive and responsible Bidder on the basis of the sum of the Base Bid and Alternates accepted.

ARTICLE 6 POST-BID INFORMATION
§ 6.1 Contractor's Qualification Statement
Bidders to whom award of a Contract is under consideration shall submit to the Architect, upon request and within the timeframe specified by the Architect, a properly executed AIA Document A305™, Contractor's Qualification Statement, unless such a Statement has been previously required and submitted for this Bid.

§ 6.2 Owner's Financial Capability
A Bidder to whom award of a Contract is under consideration may request in writing, fourteen days prior to the expiration of the time for withdrawal of Bids, that the Owner furnish to the Bidder reasonable evidence that financial arrangements have been made to fulfill the Owner's obligations under the Contract. The Owner shall then furnish such reasonable evidence to the Bidder no later than seven days prior to the expiration of the time for withdrawal of Bids. Unless such reasonable evidence is furnished within the allotted time, the Bidder will not be required to execute the Agreement between the Owner and Contractor.

§ 6.3 Submittals
§ 6.3.1 After notification of selection for the award of the Contract, the Bidder shall, as soon as practicable or as stipulated in the Bidding Documents, submit in writing to the Owner through the Architect:

.1 a designation of the Work to be performed with the Bidder's own forces;

.2 names of the principal products and systems proposed for the Work and the manufacturers and suppliers of each; and

.3 names of persons or entities (including those who are to furnish materials or equipment fabricated to a special design) proposed for the principal portions of the Work.

§ 6.3.2 The Bidder will be required to establish to the satisfaction of the Architect and Owner the reliability and responsibility of the persons or entities proposed to furnish and perform the Work described in the Bidding Documents.

§ 6.3.3 Prior to the execution of the Contract, the Architect will notify the Bidder if either the Owner or Architect, after due investigation, has reasonable objection to a person or entity proposed by the Bidder. If the Owner or Architect has reasonable objection to a proposed person or entity, the Bidder may, at the Bidder's option, withdraw the Bid or submit an acceptable substitute person or entity. The Bidder may also submit any required adjustment in the Base Bid or Alternate Bid to account for the difference in cost occasioned by such substitution. The Owner may accept the adjusted bid price or disqualify the Bidder. In the event of either withdrawal or disqualification, bid security will not be forfeited.

§ 6.3.4 Persons and entities proposed by the Bidder and to whom the Owner and Architect have made no reasonable objection must be used on the Work for which they were proposed and shall not be changed except with the written consent of the Owner and Architect.

ARTICLE 7 PERFORMANCE BOND AND PAYMENT BOND
§ 7.1 Bond Requirements
§ 7.1.1 If stipulated in the Bidding Documents, the Bidder shall furnish bonds covering the faithful performance of the Contract and payment of all obligations arising thereunder.

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§ 7.1.2 If the furnishing of such bonds is stipulated in the Bidding Documents, the cost shall be included in the Bid. If the furnishing of such bonds is required after receipt of bids and before execution of the Contract, the cost of such bonds shall be added to the Bid in determining the Contract Sum.

§ 7.1.3 The Bidder shall provide surety bonds from a company or companies lawfully authorized to issue surety bonds in the jurisdiction where the Project is located.

§ 7.1.4 Unless otherwise indicated below, the Penal Sum of the Payment and Performance Bonds shall be the amount of the Contract Sum.
(If Payment or Performance Bonds are to be in an amount other than 100% of the Contract Sum, indicate the dollar amount or percentage of the Contract Sum.)

« »

§ 7.2 Time of Delivery and Form of Bonds
§ 7.2.1 The Bidder shall deliver the required bonds to the Owner not later than three days following the date of execution of the Contract. If the Work is to commence sooner in response to a letter of intent, the Bidder shall, prior to commencement of the Work, submit evidence satisfactory to the Owner that such bonds will be furnished and delivered in accordance with this Section 7.2.1.

§ 7.2.2 Unless otherwise provided, the bonds shall be written on AIA Document A312, Performance Bond and Payment Bond.

§ 7.2.3 The bonds shall be dated on or after the date of the Contract.

§ 7.2.4 The Bidder shall require the attorney-in-fact who executes the required bonds on behalf of the surety to affix to the bond a certified and current copy of the power of attorney.

ARTICLE 8 ENUMERATION OF THE PROPOSED CONTRACT DOCUMENTS

§ 8.1 Copies of the proposed Contract Documents have been made available to the Bidder and consist of the following documents:

.1 AIA Document A101™–2017, Standard Form of Agreement Between Owner and Contractor, unless otherwise stated below.
(Insert the complete AIA Document number, including year, and Document title.)

« »

.2 AIA Document A101™–2017, Exhibit A, Insurance and Bonds, unless otherwise stated below.
(Insert the complete AIA Document number, including year, and Document title.)

« »

.3 AIA Document A201™–2017, General Conditions of the Contract for Construction, unless otherwise stated below.
(Insert the complete AIA Document number, including year, and Document title.)

« »

.4 AIA Document E203™–2013, Building Information Modeling and Digital Data Exhibit, dated as indicated below:
(Insert the date of the E203-2013.)

« »

.5 Drawings

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Number	Title	Date

.6 Specifications

Section	Title	Date	Pages

.7 Addenda:

Number	Date	Pages

.8 Other Exhibits:
(Check all boxes that apply and include appropriate information identifying the exhibit where required.)

[« »] AIA Document E204™–2017, Sustainable Projects Exhibit, dated as indicated below:
(Insert the date of the E204-2017.)

« »

[« »] The Sustainability Plan:

Title	Date	Pages

[« »] Supplementary and other Conditions of the Contract:

Document	Title	Date	Pages

.9 Other documents listed below:
(List here any additional documents that are intended to form part of the Proposed Contract Documents.)

« »

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SECTION 011000 - SUMMARY

PART 1 - GENERAL

1.1 SUMMARY

A. Section Includes:

1. Project information.
2. Work covered by Contract Documents.
3. Work under separate contracts.
4. Access to site.
5. Coordination with occupants.
6. Work restrictions.
7. Specification and drawing conventions.
8. Miscellaneous provisions.

B. Related Requirements:

1. Section 015000 "Temporary Facilities and Controls" for limitations and procedures governing temporary use of Tenant's facilities.

1.2 PROJECT INFORMATION

A. Project Identification: **Wright City Fire Protection District Station 1/Admin**

1. Project Locations:
   a. Station 1/Admin:
      60 Bell Road
      Wright City, MO 63390

B. Owner: Wright City Fire Protection District

C. Design/Builder: LCS, LLC
   1024 Cool Springs Industrial Drive
   O'Fallon, MO 63366

D. Architect: SE/Coady Architects, LLC
   861 N. Madison St.
   Rockford, IL 61107

1.3 WORK COVERED BY CONTRACT DOCUMENTS

A. The Work of Project is defined by the Contract Documents and consists of the following:

1. Project consists of one new Fire Station.

B. Type of Contract.

1. Project will be constructed under a single prime contract.

1.4 WORK UNDER SEPARATE CONTRACTS

A. General: Cooperate fully with separate contractors so work on those contracts may be carried out smoothly, without interfering with or delaying work under this Contract or other contracts. Coordinate the Work of this Contract with work performed under separate contracts.

B. Concurrent Work: Owner will award separate contract(s) for the following construction operations at Project site. Those operations will be conducted simultaneously with work under this Contract.

1. Equipment Contract: To provide and install new equipment.

2. Telephone / Data / Security Contract: To provide and install new telephone system, data wiring, and building security system, etc.

C. Subsequent Work: Owner will award separate contract(s) for the following additional work to be performed at site following Substantial Completion. Completion of that work will depend on successful completion of preparatory work under this Contract.

1. Furniture Contract: To provide and install furniture.

1.5 ACCESS TO SITE

A. General: Contractor shall have full use of Project site for construction operations during construction period. Contractor's use of Project site is limited only by Owner's right to perform work or to retain other contractors on portions of Project.

B. Use of Site: Limit use of Project site to areas within the Contract limits indicated. Do not disturb portions of Project site beyond areas in which the Work is indicated.

1. Limits: Confine construction operations to areas indicated on Contract Drawings.
2. Driveways, Walkways and Entrances: Keep driveways loading areas, and entrances serving premises clear and available to Tenant, Tenant's employees, and emergency vehicles at all times. Do not use these areas for parking or storage of materials.

a. Schedule deliveries to minimize use of driveways and entrances by construction operations.
b. Schedule deliveries to minimize space and time requirements for storage of materials and equipment on-site.

1.6 COORDINATION WITH OCCUPANTS

A. Owner Limited Occupancy of Completed Areas of Construction: Owner reserves the right to occupy and to place and install equipment in completed portions of the Work, prior to Substantial Completion of the Work, provided such occupancy does not interfere with

completion of the Work. Such placement of equipment and limited occupancy shall not constitute acceptance of the total Work.

1. Architect will prepare a Certificate of Substantial Completion for each specific portion of the Work to be occupied prior to Owner acceptance of the completed Work.
2. Obtain a Certificate of Occupancy from authorities having jurisdiction before limited Owner occupancy.
3. Before limited Owner occupancy, mechanical and electrical systems shall be fully operational, and required tests and inspections shall be successfully completed. On occupancy, Owner will operate and maintain mechanical and electrical systems serving occupied portions of Work.
4. On occupancy, Owner will assume responsibility for maintenance and custodial service for occupied portions of Work.

1.7 WORK RESTRICTIONS

A. Work Restrictions, General: Comply with restrictions on construction operations.

1. Comply with limitations on use of public streets and with other requirements of authorities having jurisdiction.

B. On-Site Work Hours: Limit work to normal business working hours of 7:00 a.m. to 5:00 p.m. Monday through Friday, unless otherwise indicated.

C. Nonsmoking Building: Smoking is not permitted within the building or within 25 feet (8 m) of entrances, operable windows, or outdoor-air intakes.

D. Controlled Substances: Use of tobacco products and other controlled substances on Project site is not permitted.

1.8 SPECIFICATION AND DRAWING CONVENTIONS

A. Specification Content: The Specifications use certain conventions for the style of language and the intended meaning of certain terms, words, and phrases when used in particular situations. These conventions are as follows:

1. Imperative mood and streamlined language are generally used in the Specifications. The words "shall," "shall be," or "shall comply with," depending on the context, are implied where a colon (:) is used within a sentence or phrase.
2. Specification requirements are to be performed by Contractor unless specifically stated otherwise.

B. Division 01 General Requirements: Requirements of Sections in Division 01 apply to the Work of all Sections in the Specifications.

C. Drawing Coordination: Requirements for materials and products identified on Drawings are described in detail in the Specifications. One or more of the following are used on Drawings to identify materials and products:

1. Terminology: Materials and products are identified by the typical generic terms used in the individual Specifications Sections.
2. Abbreviations: Materials and products are identified by abbreviations scheduled on Drawings.
3. Keynoting: Materials and products are identified by reference keynotes referencing Specification Section numbers found in this Project Manual.

PART 2 - PRODUCTS (Not Used)

PART 3 - EXECUTION (Not Used)

END OF SECTION 011000

SECTION 012300 - ALTERNATES

PART 1 - GENERAL

1.1 SUMMARY

A. Section includes administrative and procedural requirements for alternates.

1.2 DEFINITIONS

A. Alternate: An amount proposed by bidders and stated on the Bid Form for certain work defined in the bidding requirements that may be added to or deducted from the base bid amount if Owner decides to accept a corresponding change either in the amount of construction to be completed or in the products, materials, equipment, systems, or installation methods described in the Contract Documents.

1. Alternates described in this Section are part of the Work only if enumerated in the Agreement.
2. The cost or credit for each alternate is the net addition to or deduction from the Contract Sum to incorporate alternate into the Work. No other adjustments are made to the Contract Sum.

1.3 PROCEDURES

A. Coordination: Revise or adjust affected adjacent work as necessary to completely integrate work of the alternate into Project.

1. Include as part of each alternate, miscellaneous devices, accessory objects, and similar items incidental to or required for a complete installation whether or not indicated as part of alternate.

B. Notification: Immediately following award of the Contract, notify each party involved, in writing, of the status of each alternate. Indicate if alternates have been accepted, rejected, or deferred for later consideration. Include a complete description of negotiated revisions to alternates.

C. Execute accepted alternates under the same conditions as other work of the Contract.

D. Schedule: A schedule of alternates is included at the end of this Section. Specification Sections referenced in schedule contain requirements for materials necessary to achieve the work described under each alternate.

1.4 ACCEPTANCE OF ALTERNATES

A. Alternates quoted on Bid Forms will be reviewed and accepted or rejected at Owner's option. Accepted Alternates will be identified in the Owner-Contractor Agreement.

B. Alternates quoted on Bid Forms will be reviewed and accepted or rejected at Owner's option. Accepted Alternates will be identified in the Owner-Contractor Agreement.

PART 2 - PRODUCTS (Not Used)

PART 3 - EXECUTION

3.1 SCHEDULE OF ALTERNATES

A. Alternate No. 1 - Covered parking
    a. This alternate is to include but is not limited to the following scopes of work:
        i. Concrete foundations and related reinforcing
        ii. Pre-Engineered carport structure and related design to include signed and sealed design documents by a licensed and registered engineer in the State of Missouri.
        iii. Lighting mounted below the carport structure
        iv. Block heater power located at each pier location.
B. Alternate No. 2 - Building soil remediation
    a. This alternate is to include but is not limited to the following scopes of work:
        i. Remediate to a minimum depth of 3’ below finish floor and 2’ below bearing of the foundation/grade beams and to a 5’ horizontal distance beyond the footprint of the new structure. 1” minus rock material is to be used as the engineered fill for these remediation considerations.
C. Alternate No. 3 - Pavement soil remediation
    a. This alternate is to include but is not limited to the following scopes of work:
        i. Remediate to a minimum depth of 1’ below finish grade of pavement. 1” minus rock material is to be used as the engineered fill for these remediation considerations.
D. Alternate No. 4 - App bay pavement snow melt system
    a. This alternate is to include but is not limited to the following scopes of work:
        i. Provide 10'-0" wide section with snowmelt at both the North and South sides of the app bay. Provide RAYCHEM (nVent), electro melt self regulating heating cable. Provide controller inside App bay. Coordinate and provide all electrical Connections required to panel 'NP'.
E. Alternate No. 5 - Mechanical systems to traditional split systems rather than VRF
    a. This alternate is to include but is not limited to the following scopes of work:
        i. Provide deductive pricing that switches the specified VRF mechanical systems to traditional single zone split systems.
F. Alternate No. 6 - Pavement joint sealants
    a. This alternate is to include but is not limited to the following scopes of work:
        i. Provide pavement joint sealants at all construction and contraction joints within the pavement areas. Product to be **Vulkem 45SSL** Single-Component Semi-Self Leveling Polyurethane Sealant or equivalent.
G. Alternate No. 7 - Generator to cover entire building.
    a. This alternate is to include but is not limited to the following scopes of work:

i. Provide alternate for full building backup with 800a service entrance rated transfer switch and 250kw generator. Transfer circuits from panel EL1 to EP1 and EP2 respectively.
ii. ATSL would no longer be required.

H. Alternate No. 8 - App Bay floor to receive epoxy floor system
   a. This alternate is to include but is not limited to the following scopes of work:
      i. Provide credit for specified sealed concrete.
      ii. Install quartz epoxy system by Tnemac or equal as per specification section 096723.02.

I. Alternate No. 9 - RGB LED lighting for app bay wall lights to be programmed with soffit lights.
   a. This alternate is to include but is not limited to the following scopes of work:
      i. Fixture type 'F1' changes to type 'F1A' to be controlled via Casambi (app based lighting controller).

J. Alternate No. 10 - Design Build - Site irrigation system.
   a. This alternate is to include but is not limited to the following scopes of work:
      i. Complete site coverage of all grass and landscaped areas.
      ii. Backflow preventer and cage to be included.
      iii. Controller to be located at the same location on the South wall of the admin building at the Southwest corner.
      iv. Site utility contractor to provide a 10ft lateral from domestic line for irrigation meter.

K. Alternate No. 11 - Kitchen countertops to be Quartz ILO Solid Surface
   a. This alternate is to include but is not limited to the following scopes of work:
      i. At living quarters kitchen only, change the specified Solid Surface countertops to be Quartz. Manufacturer to be Cambria or equal. Provide a cost for each level of pricing offered by the manufacturer.

L. Alternate No. 12 - Tinting Windows.
   a. This alternate is to include but is not limited to the following scopes of work:
      i. Price Factory applied colors as outlined below.
         1. Midnight gray
         2. Bronze
         3. Gray
         4. Solar cool bronze
         5. Solar cool gray

M. Alternate No. 13 - Flooring in Meeting Room
   a. This alternate is to include but is not limited to the following scopes of work:
      i. ILO installing the specified LVT within the meeting room, supply and install carpet tile. Use allowance provided for carpet tile.

N. Alternate No. 14 - Sod ILO Seed/Straw
   a. This alternate is to include but is not limited to the following scopes of work:
      i. Credit all grass areas called to be seeded and strawed
      ii. Add sod to all specified grass areas.

O. Alternate No. 15 – Insulated roof deck panel
   a. This alternate is to include but is not limited to the following scopes of work:
      i. Credit supply and install of specified B Decking at App Bay Roof.
      ii. Credit supply and install of specified roof insulation at App Bay Roof.
      iii. Add supply and install of OneDek Insulated Roof Deck Panel.

P. Alternate No. 16 – Landscape Irrigation
    a. This alternate is to include but is not limited to the following scopes of work:
        i. Supply and install an irrigation system for the landscaping.

END OF SECTION 012300

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Rockford, Illinois 61107

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SE/Coady 2

ARCHITECTS

substitution request form

From: _____ Name of Company

_____ Contact

_____ Street Address

_____ City and State

_____ Phone Number

Project: Wright City Fire Protection District - Station 1 / Admin

1. Specification Section of product specified_____

2. Proposed Substitution
   a. Name and Model No.:_____
   b. Manufacturer:
      Name:_____
      Address:_____
      Phone:_____
   c. Attach applicable performance/test data, referenced standards and installation instructions.
   d. Attach a color chart, if applicable

3. Manufacturer's Reputation: Provide evidence of reputation for prompt delivery and servicing of products.

4. Comparison: Attach an itemized comparison of the proposed substitution with the product specified.

5. Previous Installation: Provide a list of projects (3 minimum and within a 100 mile radius) on which the proposed substitution was used. Include name, address, date of project installation, and owner contact information.

6. Changes in Work: Attached data relating to changes required in other work to permit use of proposed substitution and changes required in the construction schedule.

7. Cost Data: Attach accurate cost data on proposed substitution in comparison with product specified.

8. In making request for substitution, Contractor represents that:
    a. He has examined the Drawings and Specifications, and has determined that, to the best of his knowledge, the proposed substitution is appropriate for the use intended in the Drawings and Specifications.
    b. He will provide the same warranty for substitution as for product or method specified.
    c. He will coordinate installation of accepted substitution into Work, making such changes as may be required for Work to be complete in all respects.
    d. He waives all claims for additional costs related to substitution, which consequently become apparent.
    e. Cost data is complete and includes all related costs under his Contract, including affected Work by other trades.

Supplier or Sub-Contractor:

Name:

Signature:

Date:

Contractor:

Name:

Signature:

Date:

SE/ Coady Architects, LLC

Name:

Signature:

Date:

☐ Approved ☐ Approved As Noted ☐ Rejected

SECTION 066116 - SOLID SURFACING WALL PANELS

PART 1 - GENERAL

1.01 SECTION INCLUDES

A. Wall cladding panels (surrounds) for wet locations.

B. Moldings.

C. Adhesives and sealants.

1.02 RELATED REQUIREMENTS

A. Section 01 3000 - Submittals.

B. Section 06 1000 - Rough Carpentry.

C. Section 09 2900 - Gypsum Board.

1.03 REFERENCES

A. Reference Standards:

1. ASTM C 834: Standard Specification for Latex Sealants.
2. ASTM C 920: Standard Specification for Elastomeric Joint Sealants.
3. ASTM D 256: Standard Test Methods for Determining the Izod Pendulum Impact Resistance of Plastics.
4. ASTM D 570: Standard Test Method for Water Absorption of Plastics.
5. ASTM D 696: Standard Test Method for Coefficient of Linear Thermal Expansion of Plastics Between -30°C and 30°C with a Vitreous Silica Dilatometer.
6. ASTM D 792: Standard Test Methods for Density and Specific Gravity (Relative Density) of Plastics by Displacement.
7. ASTM D 2583: Standard Test Method for Indentation Hardness of Rigid Plastics by Means of a Barcol Impressor.
8. ASTM E 84: Standard Test Method for Surface Burning Characteristics of Building Materials.
9. ASTM G 21: Standard Practice for Determining Resistance of Synthetic Polymeric Materials to Fungi.
10. ASTM G 22: Standard Practice for Determining Resistance of Plastics to Bacteria.
11. ASTM G 155: Standard Practice for Operating Xenon Arc Light Apparatus for Exposure of Non-Metallic Materials.
12. NEMA LD-3: High Pressure Decorative Laminates.
13. SCAQMD Rule 1168: Adhesive and Sealant Applications.
14. UL 2818: GREENGUARD Certification Program for Chemical Emissions for Building Materials, Finishes and Furnishings.

1.04 SUBMITTALS

A. Submit under provisions of Section 01 3000 - Submittals.

B. Product Data:

1. Submit product data for each specified product. Include manufacturer's technical data sheets and published instruction instructions.
2. Submit Material Safety Data Sheets (MSDS) for adhesives and sealants.

C. Shop Drawings:

1. Submit fully dimensioned shop drawings showing wall panel layouts, joinery, terminating conditions, substrate construction, and cutouts and holes. Include elevations, section details, and large scale details.

D. Samples:

1. Submit selection and verification samples for each color, pattern, and finish required.

E. Quality Assurance Submittals:

1. Test Reports: Submit certified test reports showing compliance with specified performance characteristics and physical properties, if required.
2. Warranty: Specimen copy of specified warranty.

F. Maintenance Data: Submit manufacturer's published maintenance manual with closeout submittals.

1.05 REGULATORY REQUIREMENTS

A. Adhesives, Sealants, and Sealant Primers:

1. SCAQMD (South Coast Air Quality Management District) Rule 1168 for VOC content.

1.06 QUALITY ASSURANCE

A. Qualifications:

1. Fabricator Qualifications: Minimum of three years documented experience in fabricating solid surfacing wall panels similar in scope and complexity of this Project. Currently certified by the manufacturer as an acceptable fabricator.
2. Installer Qualifications: Minimum of three years documented installation experience for projects similar in scope and complexity to this Project, and currently certified by the manufacturer as an acceptable Installer.
3. Maintain mock-up during construction for fabrication and installation comparison. If required, remove and legally dispose of mock-up when no longer required.
4. Incorporation: If permitted by Architect, mock-up may be incorporated into as part of the completed Work.

1.07 DELIVERY, STORAGE, AND HANDLING

A. Storage and Protection: Store materials protected from exposure to harmful weather conditions, at temperature and humidity conditions recommended by manufacturer. Store sheet materials flat on pallets or similar rack-type storage to preclude damage.

1.08 PROJECT CONDITIONS

A. Field Measurements: Verify actual measurements and openings by field measurements before fabrication; show recorded measurements on shop drawings. Coordinate field measurements and fabrication schedule with construction progress to avoid construction delays.

B. Adhesive: Acclimatize adhesives to occupancy room temperatures with maximum temperature not to exceed 75 deg F.

1.09 WARRANTY

A. Manufacturer's Limited Warranty: Provide manufacturer's standard 10 Year Commercial Limited Warranty against defects in solid surface sheet materials.

PART 2 - PRODUCTS

2.01 MANUFACTURER

A. Basis of Design: Corian.

2.02 SOLID SURFACING SHEET MATERIAL

A. Acceptable Product: "Corian Solid Surface."

B. Composition: Acrylic resins, fire-retardant mineral fillers, and proprietary coloring agents. Through-the-body color for full thickness of sheet material.

C. Material Thickness: 1/4 inch, nominal.

D. Physical Characteristics:

1. Thermal Expansion Coefficient: 1.5 x 10^{-5} in./in.^{o}F; ASTM D 696.
2. Hardness (Barcol Impressor): 62; ASTM D 2583.
3. Impact Resistance: 78 in. drop with no fracture; NEMA LD-3, Method 3.8.
4. Izod Impact: 0.24 (ft-lb.)/in.; ASTM D 256, Method A.
5. Light Resistance - Xenon: No effect; NEMA LD-3, Method 3.3.
6. Stain Resistance: Pass; ANSI Z 124.3, modified.
7. Wear and Cleanability: Pass; ANSI Z 124.3.
8. Fungi Resistance: Pass; ASTM G 21.
9. Bacterial Resistance: Pass; ASTM G 22.
10. Boiling Water Resistance: No effect; NEMA LD-3, Method 3.5.
11. High Temperature Resistance: No effect; NEMA LD-3, Method 3.6.
12. Weatherability: Delta E less than 5; ASTM G 155.
13. Moisture Absorption: Less than 0.25 percent; ASTM D 570, long term.
14. Specific Gravity: 1.78 gram/cm^3; ASTM D 792.

15. Approximate Weight: 2.2 lb./ft^2.
16. Surface Burning Characteristics: Class II and Class B; ASTM E 84.

E. Color, Pattern, and Finish Design: Selected from manufacturer's standard offerings.

2.03 ACCESSORY MATERIALS

A. Solid Surfacing Moldings: Same material as wall cladding panels. Types as **selected from manufacturer's standard offerings**.

2.04 CUSTOM FABRICATIONS

A. Accessories:

a. Recessed shower caddy.

- Swanstone RS02215.010 Solid Surface Single Shower Shelf, 4.3" D x 15" W x 22" H, White

B. Seam Adhesive: Methacrylate-based adhesive for chemically bonding solid surfacing seams. Color complementary to solid surfacing panels. UL 2818 GREENGUARD Gold certified and complies with SCAQMD Rule 1168.

1. Product: Manufacturer's standard.

C. Elastomeric Sealant: Mildew-resistant silicone sealant for filling gaps between wall panels and at terminating substrates at tubs, showers, and similar wet environment applications. Complies with ASTM C 920, Type S (single component), Grade NS (nonsag).

1. Product: Acceptable to wall panels manufacturer.
2. Color: **Selected from sealant manufacturer's standard offerings**.

D. Siliconized Acrylic Sealant: Siliconized acrylic latex sealant. For general applications to fill gaps between wall panels and at terminating substrates. Complies with ASTM C 834, Type OP, Grade NF, and SCAQMD Rule 1168.

3. Product: Acceptable to wall panels manufacturer.
4. Color: **Selected from sealant manufacturer's standard offerings**.

E. Construction Adhesive: Wall panels manufacturer's recommended silicone-based construction adhesive for attachment of wall panels to supporting substrates, attachment of moldings, and other applications according to manufacturer's published installation instructions.

2.05 FABRICATION

A. Fabricate components in shop, to greatest extent practicable, in sizes and shapes indicated according to approved shop drawings and manufacturer's published fabrication requirements.

B. Form joint seams between solid surfacing components with specified seam adhesive.

Completed joints inconspicuous in appearance and without voids.

C. Provide holes and cutouts indicated on approved shop drawings. Rout cutouts and complete by sanding all edges smooth.

PART 3 - EXECUTION

3.01 EXAMINATION

A. Examine substrates and conditions that could adversely affect the work of this Section.

B. Substrates must be sound, flat, smooth, and free from dust or other surface contaminants.

C. Commencement of work will constitute acceptance of substrates and conditions to receive the work.

3.02 WALL CLADDING PANELS INSTALLATION

A. Install wall cladding panels plumb, level, and true according to approved shop drawings and manufacturer's published installation instructions. Shim as required during installation process. Use woodworking and specialized fabrication tools acceptable to manufacturer.

B. Rout all wall cladding panels to size; sawcuts are not permissible. Cutouts must also be routed with eased edges.

C. Provide eased panel edges where specified silicone sealant is required to fill gap between panels.

D. Attach wall cladding panels to substrate with specified construction adhesive. Apply construction adhesive as 1/4 inch beads in locations and spacing according to manufacturer's published installation instructions. Provide temporary bracing until adhesive has to set to proper strength. Promptly remove excess adhesive.

E. Form wall cladding joint seams for multiple panels with specified seam adhesive. Seams in locations shown on approved shop drawings and acceptable to manufacturer. Promptly remove excess adhesive.

F. Provide specified silicone sealant to fill gaps in the following locations and as required by manufacturer:

1. Wall panel joints indicated to receive silicone sealant.
2. At inside corners.
3. Between finished floor and ceiling for full height wall cladding.
4. Not greater than 12 feet on center for any wall cladding length or height.

G. Wall-mounted accessories must be completed supported by substrate wall framing, not wall cladding panels.

H. Install solid surfacing moldings with specified construction adhesive. Promptly remove excess adhesive.

3.03 WET WALL CLADDING PANELS INSTALLATION

A. Install wall cladding panels plumb, level, and true according to approved shop drawings and manufacturer's published installation instructions. Use woodworking and specialized fabrication tools acceptable to manufacturer.

B. Rout all wall cladding panels to size; sawcuts are not permissible. Cutouts must also be routed.

C. Provide eased panel edges where specified silicone sealant is required to fill gap between panels.

D. Attach wall cladding panels to substrate with specified construction adhesive. Apply construction adhesive as 1/4 inch beads in locations and spacing according to manufacturer's published installation instructions. Promptly remove excess adhesive.

E. Form wall cladding joint seams for multiple panels with specified joint adhesive. Seams in locations shown on approved shop drawings and acceptable to manufacturer. Promptly remove excess adhesive.

F. Provide specified silicone sealant to fill gaps in the following locations and as required by manufacturer:

1. Wall panel joints indicated to receive silicone sealant.
2. At inside corners.
3. At interface with tub or shower pan.
4. At interface with tiled shower base.
5. Between finished floor and ceiling for full height wall cladding.
6. Not greater than 12 feet on center for any wall cladding length or height.

G. Wall-mounted accessories must be completed supported by substrate wall framing, not wall cladding panels.

H. Install solid surfacing moldings with specified construction adhesive. Promptly remove excess adhesive.

3.04 WALL PANEL REPAIRS

A. If permissible to Architect, minor surface marring may be repaired according to manufacturer's published installation instructions.

B. Remove and replace wall panel components that are damaged and cannot be satisfactorily repaired.

3.05 CLEANING AND PROTECTION

A. Clean solid surfacing components according to manufacturer's published maintenance instructions. Completely remove excess adhesives and sealants from finished surfaces.

B. Protect completed work from damage during remainder of construction period.

END OF SECTION 06 6116

SECTION 074600 - SIDING

PART 1 - GENERAL

1.1 SUMMARY

A. Section includes fiber-cement siding.

B. Section includes aluminum soffit.

1.2 SUBMITTALS

A. Product Data: For each type of product indicated.

B. Samples: For siding including related accessories.

C. Product certificates.

D. Product test reports.

E. Research/evaluation reports.

F. Maintenance data.

G. Warranty: Sample of special warranty.

1.3 QUALITY ASSURANCE

A. Labeling: Provide fiber-cement siding that is tested and labeled according to ASTM C 1186 by a qualified testing agency acceptable to authorities having jurisdiction.

B. Source Limitations: Obtain **each type, color, texture, and pattern of** siding, including related accessories, from single source from single manufacturer.

C. Preinstallation Conference: Conduct conference at **Project site**.

1.4 WARRANTY

A. Special Warranty: Standard form in which manufacturer agrees to repair or replace siding that fail(s) in materials or workmanship within specified warranty period.

1. Warranty Period: 10 years from date of Substantial Completion.

PART 2 - PRODUCTS

2.1 FIBER-CEMENT SIDING

A. General: ASTM C 1186, Type A, Grade II, fiber-cement board, noncombustible when tested according to ASTM E 136; with a flame-spread index of 25 or less when tested according to ASTM E 84.

1. Basis-of-Design Product: Subject to compliance with requirements, provide Hardie Plank Siding or comparable product by one of the following:
   a. James Hardie.

2. Horizontal Pattern: Boards **6-1/4 to 6-1/2 inches** wide in **plain** style.

   a. Texture: **Smooth**.

3. Factory Finished: As selected by Architect from Manufacturer's full range.

2.2 ACCESSORIES

A. Siding Accessories, General: Provide starter strips, edge trim, outside and inside corner caps, and other items as recommended by siding manufacturer for building configuration.

1. Provide accessories made from same material as adjacent siding unless otherwise indicated.

B. Aluminum Accessories: Where aluminum accessories are indicated, provide accessories complying with AAMA 1402.

1. Texture: **Smooth**.
2. Nominal Thickness: **0.024 inch**.
3. Finish: Manufacturer's standard .

C. Flashing: Provide aluminum flashing complying with Division 07 Section "Sheet Metal Flashing and Trim" at window and door heads and where indicated.

1. Finish for Aluminum Flashing: High-performance organic finish, same color as siding .

D. Fasteners:

1. For fastening to wood, use siding nails of sufficient length to penetrate a minimum of 1 inch into substrate.

E. Soffit:
1. CetainTeed; Vented and Solid Aluminum soffit panels.
   a. Color: As selected by Architect from manufacturer's full range of industry colors.

PART 3 - EXECUTION

3.1 EXAMINATION

A. Examine substrates for compliance with requirements for installation tolerances and other conditions affecting performance of siding and related accessories.

B. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 INSTALLATION

A. General: Comply with siding manufacturer's written installation instructions applicable to products and applications indicated unless more stringent requirements apply.

1. Do not install damaged components.
2. Center nails in elongated nailing slots without binding siding to allow for thermal movement.

B. Install aluminum siding and related accessories according to AAMA 1402.

1. Install fasteners no more than **24 inches** o.c.

C. Install fiber-cement siding and related accessories.

1. Install fasteners no more than **24 inches** o.c.

D. Install joint sealants as specified in Division 07 Section "Joint Sealants" and to produce weathertight installation.

3.3 ADJUSTING AND CLEANING

A. Remove damaged, improperly installed, or otherwise defective materials and replace with new materials complying with specified requirements.

B. Clean finished surfaces according to manufacturer's written instructions and maintain in a clean condition during construction.

END OF SECTION 074600

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SECTION 085200 - WOOD WINDOWS

PART 1 - GENERAL

1.1 SUMMARY

A. Section includes wood windows.

1.2 PREINSTALLATION MEETINGS

A. Preinstallation Conference: Conduct conference at **Project site**.

1.3 ACTION SUBMITTALS

A. Product Data: For each type of product.

B. Shop Drawings: Include plans, elevations, sections, hardware, accessories, insect screens, operational clearances, and details of installation, including anchor, flashing, and sealant installation.

C. Samples: For each exposed product and for each color specified.

1.4 INFORMATIONAL SUBMITTALS

A. Product test reports.

B. Sample warranties.

1.5 WARRANTY

A. Manufacturer's Warranty: Manufacturer agrees to repair or replace wood windows that fail in materials or workmanship within specified warranty period.

1. Warranty Period:

a. Window: **10** years from date of Substantial Completion.
b. Glazing Units: **10** years from date of Substantial Completion.

PART 2 - PRODUCTS

2.1 WINDOW PERFORMANCE REQUIREMENTS

A. Thermal Transmittance: NFRC 100 maximum whole-window U-factor: Refer to drawings.

B. Solar Heat-Gain Coefficient (SHGC): NFRC 200 maximum whole-window SHGC: Refer to drawings.

2.2 WOOD WINDOWS

A. Fiberglass-Clad Wood Windows:

1. Manufacturers: Subject to compliance with requirements, provide products by the following, or approved equal:

a. Marvin, “Elevate” Collection.
b. Pella, “Lifestyle Series”.

B. Operating Types: **As indicated on Drawings**.

C. Frames and Sashes: Fine-grained wood lumber complying with AAMA/WDMA/CSA 101/I.S.2/A440; kiln dried to a moisture content of not more than 12 percent at time of fabrication; free of visible finger joints, blue stain, knots, pitch pockets, and surface checks larger than 1/32 inch deep by 2 inches wide; water-repellent preservative treated.

1. Exterior Finish: **Fiberglass-clad**.

a. Finish: **Manufacturer's standard finish**.
b. Exposed Unfinished Wood Surfaces: Match existing (coordinate with OFPD).

c. Color: **As selected by Architect from manufacturer's full range**

d. Interior Finish: .
e. Color: **As selected by Architect from manufacturer's full range**.

D. Glass: Clear annealed glass, ASTM C1036, Type 1, Class 1, q3.

1. Kind: Fully tempered.

E. Insulating-Glass Units: ASTM E2190.

1. Glass: ASTM C1036, Type 1, Class 1, q3.

a. Tint: **Clear**..
b. Kind: Fully tempered.

2. Low-E Coating: Provide windows meeting the requirements of the 2021 St Charles County Energy Conservation Code.

F. Glazing System: **Manufacturer's standard factory-glazing system that produces weathertight seal**.

G. Hardware, General: Provide manufacturer's standard corrosion-resistant hardware sized to accommodate sash weight and dimensions.

1. Exposed Hardware Color and Finish: Match existing (coordinate with NMPD).

H. Hung Window Hardware:

1. Counterbalancing Mechanism: AAMA 902.
2. Locks and Latches: Operated from the inside only.
3. Tilt Hardware: Releasing tilt latch allows sash to pivot about horizontal axis.

I. Weather Stripping: Provide full-perimeter weather stripping for each operable sash unless otherwise indicated.

J. Fasteners: Noncorrosive and compatible with window members, trim, hardware, anchors, and other components.

1. Exposed Fasteners: Do not use exposed fasteners to greatest extent possible. For application of hardware, use fasteners that match finish hardware being fastened.

2.3 ACCESSORIES

2.4 INSECT SCREENS

A. General: Fabricate insect screens to integrate with window frame. Provide screen for each operable exterior sash. Screen wickets are not permitted.

1. Type and Location: **Full, outside for double-hung** sashes.

B. Aluminum Frames: Complying with SMA 1004 or SMA 1201.

1. Finish for Interior Screens: Baked-on organic coating in **color selected by Architect from manufacturer's full range**.
2. Finish for Exterior Screens: **Baked-on organic coating in color selected by Architect from manufacturer's full range**.

C. Glass-Fiber Mesh Fabric: mesh of PVC-coated, glass-fiber threads; woven and fused to form a fabric mesh resistant to corrosion, shrinkage, stretch, impact damage, and weather deterioration. Comply with ASTM D3656/D3656M.

1. Mesh Color: **Manufacturer's standard**.

2.5 FABRICATION

A. Fabricate wood windows in sizes indicated. Include a complete system for installing and anchoring windows.

B. Glaze wood windows in the factory.

C. Weather strip each operable sash to provide weathertight installation.

D. Complete fabrication, assembly, finishing, hardware application, and other work in the factory to greatest extent possible. Disassemble components only as necessary for shipment and installation. Allow for scribing, trimming, and fitting at Project site.

PART 3 - EXECUTION

3.1 INSTALLATION

A. Comply with manufacturer's written instructions for installing windows, hardware, accessories, and other components. For installation procedures and requirements not addressed in manufacturer's written instructions, comply with installation requirements in ASTM E2112.

B. Install windows level, plumb, square, true to line, without distortion, anchored securely in place to structural support, and in proper relation to wall flashing and other adjacent construction to produce weathertight construction.

C. Adjust operating sashes and hardware for a tight fit at contact points and weather stripping for smooth operation and weathertight closure.

D. Clean exposed surfaces immediately after installing windows. Remove excess sealants, glazing materials, dirt, and other substances.

E. Remove and replace sashes if glass has been broken, chipped, cracked, abraded, or damaged during construction period.

END OF SECTION 085200

A New Project For:

Wright City Fire Protection District - Station 1

60 Bell Road

Wright City, Missouri



- **LCS, LLC**
  Design/Builder
- **Engenuity**
  Civil Engineering
- **Engenuity**
  Electrical Engineer
- **SE/Coady Architects, LLC**
  Architects
- **Jarrell Mechanical Contractors**
  MP Design/Builder
- **Crockett Engineering Consultants**
  Structural Engineers

PLAN REVIEW INFORMATION

CODE INFORMATION:

- 2015 ICC BUILDING CODES WITH WRIGHT CITY BUILDING CODE SUPPLEMENTALS
- 2015 ICC INTERNATIONAL EXISTING BUILDING CODE WITH WITH WRIGHT CITY BUILDING CODE SUPPLEMENTALS
- 2015 ICC INTERNATIONAL FIRE CODE WITH WRIGHT CITY BUILDING CODE SUPPLEMENTALS
- 2015 ICC INTERNATIONAL MECHANICAL CODE WITH WRIGHT CITY BUILDING CODE SUPPLEMENTALS
- 2015 ICC INTERNATIONAL PLUMBING CODE WITH WRIGHT CITY BUILDING CODE SUPPLEMENTALS
- 2015 NATIONAL ELECTRICAL CODE WITH WRIGHT CITY BUILDING CODE SUPPLEMENTALS
- 2015 ICC INTERNATIONAL ENERGY CONSERVATION CODE WITH WRIGHT CITY BUILDING CODE SUPPLEMENTALS
- 2015 ADA STANDARDS FOR ACCESSIBILITY DESIGN
- 2012 NFPA 101

NAME OF PROJECT: WCFPD - WRIGHT CITY FIRE PROTECTION DISTRICT - STATION 1
STREET ADDRESS: 60 BELL ROAD WRIGHT CITY, MISSOURI

1. TYPE OF PROJECT: FIRE STATION

   TOTAL BUILDING SQUARE FOOTAGE: 19,229 S.F.

   OCCUPANCY:
   LIVING QUARTERS - 6,886 S.F. - R-2 OCCUPANCY
   APPARATUS BAY - 5,965 S.F. - S-1 OCCUPANCY
   ADMIN. AREA: 4,701 S.F. - B OCCUPANCY
   ADMIN. AREA MEETING ROOM: 1,677 S.F. - A-3 OCCUPANCY

2. HEIGHT / AREA (CHAPTER 5):

   USE GROUP: MIXED USE NON-SEPARATED OCCUPANCIES: R-2 RESIDENTIAL / S-1 STORAGE / B-BUSINESS / A-3 ASSEME
   TYPE OF CONSTRUCTION: VB

   ALLOWABLE AREA: (TYPE VB / SPRINKLERED)
   R-2: 28,000 S.F. / 3 STORIES
   S-1: 36,000 S.F. / 3 STORIES
   B: 36,000 S.F. / 3 STORIES
   A-3: 24,000 S.F. / 2 STORIES

3. FIRE SUPPRESSION (CHAPTER 9):
   THROUGHOUT (OCCUPANCY REQUIREMENT) (903.2.1 THROUGH 903.2.11): GROUP R - REQUIRED THROUGHOUT BUILDING
   THROUGHOUT (BUILDING AREA OR HEIGHT INCREASE) (504.3 AND 506.3): N/A

4. INCIDENTAL ACCESSORY OCCUPANCIES (TABLE 509)
   FURNACE ROOM WITH SINGLE PIECE OF EQUIP. . 400 K BTUH INPUT: N/A
   BOILER ROOM WITH SINGLE PIECE OF EQUIP. . 15 PSI & 10 HP: N/A
   LAUNDRY ROOMS OVER 100 SQUARE FEET: AUTOMATIC SPRINKLER SYSTEM PROVIDED
   OTHER THAN AMBULATORY CARE FACILITIES OR GROUP I-2 OCCUPANCIES, WASTE AND LINEN COLLECTION ROOMS OVER 100 S.F.: N/A
   STATIONARY STORAGE BATTERY SYSTEMS HAVING A LIQUID ELECTROLYTE CAPACITY OF MORE THAN 50 GALLONS FOR FLOODED LEAD-ACID, NICKEL CADMIUM OR VRLA, OR MORE THAN 1000 POUNDS FOR LITHIUM-ION AND LITHIUM METAL POLYMER USED FOR FACILITY STANDBY POWER, EMERGENCY POWER OR UNINTERRUPTED POWER SUPPLIES: N/A

5. MIXED USE OPTIONS: (SPECIFY ONE)
   NON-SEPARATED USES (508.3) ALLOWABLE AREA/HEIGHT CONTROLLED BY MOST RESTRICTIVE USE: R-2 / S-1 / B / A-3

6. TABLE 601 - FIRE RATINGS OF STRUCTURAL FRAME:
   STRUCTURAL FRAME INCLUDING COLUMNS, GIRDERS AND TRUSSES: 0
   BEARING WALLS
   EXTERIOR: 0 HR
   INTERIOR: 0 HR
   NON-BEARING WALLS
   EXTERIOR: 0 HR
   INTERIOR: 0 HR
   FLOOR CONSTRUCTION INCLUDING SUPPORTING BEAMS AND JOISTS: N/A
   ROOF CONSTRUCTION INCLUDING SUPPORTING BEAMS AND JOISTS: N/A
   SEE SECTION 704 FOR REQUIREMENTS FOR PROTECTION OF STRUCTURAL MEMBERS

7. TABLE 602- FIRE RATING OF EXTERIOR WALLS BASED UPON SEPARATION DISTANCE:

	(<5')	(5'TO<10')	(10'TO<30')	(30' OR MORE)
LOAD BRG.	N/A	N/A	0 HR	N/A
NON-LOAD BRG.	N/A	N/A	0 HR	N/A

8. OTHER FIRE RESISTIVE ASSEMBLIES:
   FIRE PARTITIONS (708):
   SEPARATION WALLS AS REQUIRED BY SECTION 420.2 FOR GROUPS I-1, R-1, R-2 AND R-3
   (708.1): 1/2 HOUR RATING SEPARATING R-2 SLEEPING UNITS AND WALLS SEPARATING SLEEPING UNITS FROM OTHER OCCUPANCIES CONTIGUOUS TO THEM IN THE SAME BUILDING.
   CORRIDOR WALLS AS REQUIRED BY SECTION 1020.1 (708.1): (R OCCUPANCY 1/2 HR IF OCCUPANT LOAD GREATER THAN 10 - N/A - ACTUAL OCCUPANT LOAD = 6 PER SHIFT)

9. OPENINGS, PENETRATIONS AND JOINTS:

   PENETRATIONS (714) BY METAL CONDUITS AND PIPE, PLASTIC PIPE, DUCTWORK:
   VERTICAL AND HORIZONTAL FIRE RESISTANCE RATED ASSEMBLIES (714.3 AND 714.4):
   SAME AS ASSEMBLY RATING.
   NON-FIRE RESISTANCE RATED ASSEMBLIES (CONNECTING >2 STORIES) (714.5):
   SAME AS SHAFT ENCLOSURE.

   JOINTS (715) WHERE WALLS MEET WALLS, WALLS MEET FLOORS OR WALLS MEET ROOF ASSEMBLIES TESTED IN ACCORDANCE WITH UL 2079: SAME AS ASSEMBLY RATING.

OPENINGS (716) ASSEMBLY TYPE	ASSEMBLY RATING	OPENING RATING
DOORS AND SHUTTERS	N/A	N/A
FIRE WALL/FIRE BARRIER>1 HR	N/A	N/A
SHAFT/EXIT ENCLOSURE	N/A	N/A
HORIZONTAL EXITS IN FIRE WALLS	N/A	N/A
1 HR FIRE BARRIERS	1 HR	1 HR
OTHER FIRE BARRIERS	N/A	N/A
FIRE PARTITIONS: CORRIDOR WALLS	.5	1/3
OTHER FIRE PARTITIONS	.5	1/3
SMOKE BARRIERS	N/A	N/A
EXTERIOR WALLS	N/A	N/A

10. DRAFTSTOPPING IN ATTICS:

    718.4.2 / 718.4.3 - NOT REQUIRED IN BUILDINGS EQUIPPED WITH AN AUTOMATIC SPRINKLER SYSTEM IN ACCORDANCE WITH 903.3.1.1.

INTERIOR FINISHES (T803.11):

	SPRINKLERED	UNSPRINKLERED
VERTICAL EXITS AND EXIT PASSAGEWAYS	CLASS B	N/A
EXIT ACCESS CORRIDORS AND OTHER EXITWAYS	CLASS B	N/A
ROOMS/ENCLOSED SPACES	CLASS C	N/A

11. FIRE ALARM AND DETECTION SYSTEMS (907):

	REQUIRED	NOT REQUIRED	PROVIDED
MANUAL FIRE ALARM			X
AUTOMATIC FIRE DETECTION			X
SINGLE/MULTIPLE STATION			

12. OCCUPANT LOAD (1004):
    R-2 = 6,886/200 = 35 PEOPLE (ACTUAL 6 PER SHIFT)
    S-1 = 5,965/300 = 20 PEOPLE
    B= 4,701/100 = 47 PEOPLE
    A-3= 1,677 / 15 = 112 PEOPLE
    TOTAL: 214 PEOPLE CALCULATED / 6 PER SHIFT ACTUAL LIVING QUARTERS

13. EGRESS WIDTH (PER FLOOR):

		DOORS	TOTAL @ LEVEL OF EXIT DISCHARGE
CALCULATED (1005.1):	LIVING QUARTERS	(.2) x35=7 in	108 in PROVIDED
	APP BAY	(.2) x 20=4 in	108 in PROVIDED
	BUSINESS/ASSEMBLY	(.2) x 159=32 in	108 in PROVIDED

14. NUMBER OF EXITS:
    SPACES WITH 1 EXIT (T1006.2.1) : N/A

15. STORIES WITH ONE EXIT (1006.3.2(2)) # OF STORIES: N/A # OF OCC'S.: N/A TRAVEL DIST.: N/A
    >1 EXIT REQUIRED (1006.2.1): OCCUPANT LOAD: 214 NUMBER OF EXITS REQUIRED: 2
    NUMBER OF EXITS PROVIDED: 8

15. EXIT TRAVEL DISTANCE (1017):
    ACTUAL: 138'
    ALLOWED (T1017.2): 250' (with a sprinkler system)

16. ATTIC AND UNDERFLOOR VENTILATION (1203.2 AND 1203.3): YES
    AREA(S) OF ATTIC IN ADMIN: 6,981 s.f. VENTILATION NFA: YES
    AREA(S) OF ATTIC IN LIVING QUARTERS : 6886 s.f. VENTILATION NFA: YES

17. ROOF COVERING CLASS (1505): CLASS C.

18. RESTROOMS: TOTAL ACTUAL OCCUPANTS = 6 PER SHIFT / 12 TOTAL AT SHIFT CHANGE

    TYPE OF BUILDING:

	MIN. # REQUIRED FIXTURES MALE	FEMALE	ACTUAL NUMBER OF FIXTURES MALE	FEMALE	UNISEX	
WATER CLOSETS:						
R-2	1/10	1/10	N/A	N/A	1	6 @ SLEEPING ROOMS/ 1 UNISEX RESTROOM
S-1	1/100	1/100	N/A	N/A	1	1 UNISEX RESTROOM
B	1/25	1/25	N/A	N/A	2	2 UNISEX RESTROOMS
A-3	1/125	1/65	1	1		
LAVATORIES:						
R-2	1/10	1/10	N/A	N/A	1	6 @ SLEEPING ROOMS 1 UNISEX RESTROOM
S-1	1/100	1/100	N/A	N/A	1	1 UNISEX RESTROOM
B	1/40	1/40	N/A	N/A	2	2 UNISEX RESTROOMS
A-3	1/200	1/200	1	1		

    SERVICE SINK: 1 REQ'D. 1 PROVIDED

    DRINKING FOUNTAINS: REQUIRED: 1 ACTUAL: 1 WATER BUBBLERS PROVIDED

2015 ICC INTERNATIONAL ENERGY CONSERVATION CODE:
- NOTE: PRESCRIPTIVE PATH WAS FOLLOWED TO COMPLY WITH THE 2015 INTERNATIONAL ENERGY CONSERVATION CODE

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S311	ROOF FRAMING DETAILS
S312	ROOF FRAMING DETAILS
S400	STORM SHELTER PLAN
S410	STORM SHELTER DETAILS
S500	STAIR / MEZZANINE FRAMING PLAN
S510	STAIR / MEZZANINE FRAMING PLAN
7-PLUMBING	
P100	UNDERFLOOR PLAN - PLUMBING
P200	FIRST FLOOR PLAN - PLUMBING
P201	ROOF PLAN - PLUMBING
P400	DETAILS
P500	SCHEDULES
P600	ISOMETRIC DIAGRAMS - LIVING QUARTERS
P601	ISOMETRIC DIAGRAMS - LIVING QUARTERS
P602	ISOMETRIC DIAGRAMS - ADMINISTRATION
8-MECHANICAL	
M200	FIRST FLOOR PLAN - MECHANICAL
M201	ROOF PLAN - MECHANICAL
M300	FIRST FLOOR PLAN - MECHANICAL PIPING
M301	ROOF PLAN - MECHANICAL PIPING
M400	DETAILS
M401	SPECIFICATIONS
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9-ELECTRICAL	
E000	ELECTRICAL SYMBOLS AND ABBREVIATIONS
E100	SITE PLAN
E101	SITE PHOTOMETRIC
E201	FLOOR PLAN
E202	ROOF PLAN
E301	CEILING PLAN
E500	ELECTRICAL SCHEDULES
E501	ELECTRICAL RISER DIAGRAM & DETAILS

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1	2025-09-15	ADD. NO. 1
2	2025-09-19	ADD NO. 2

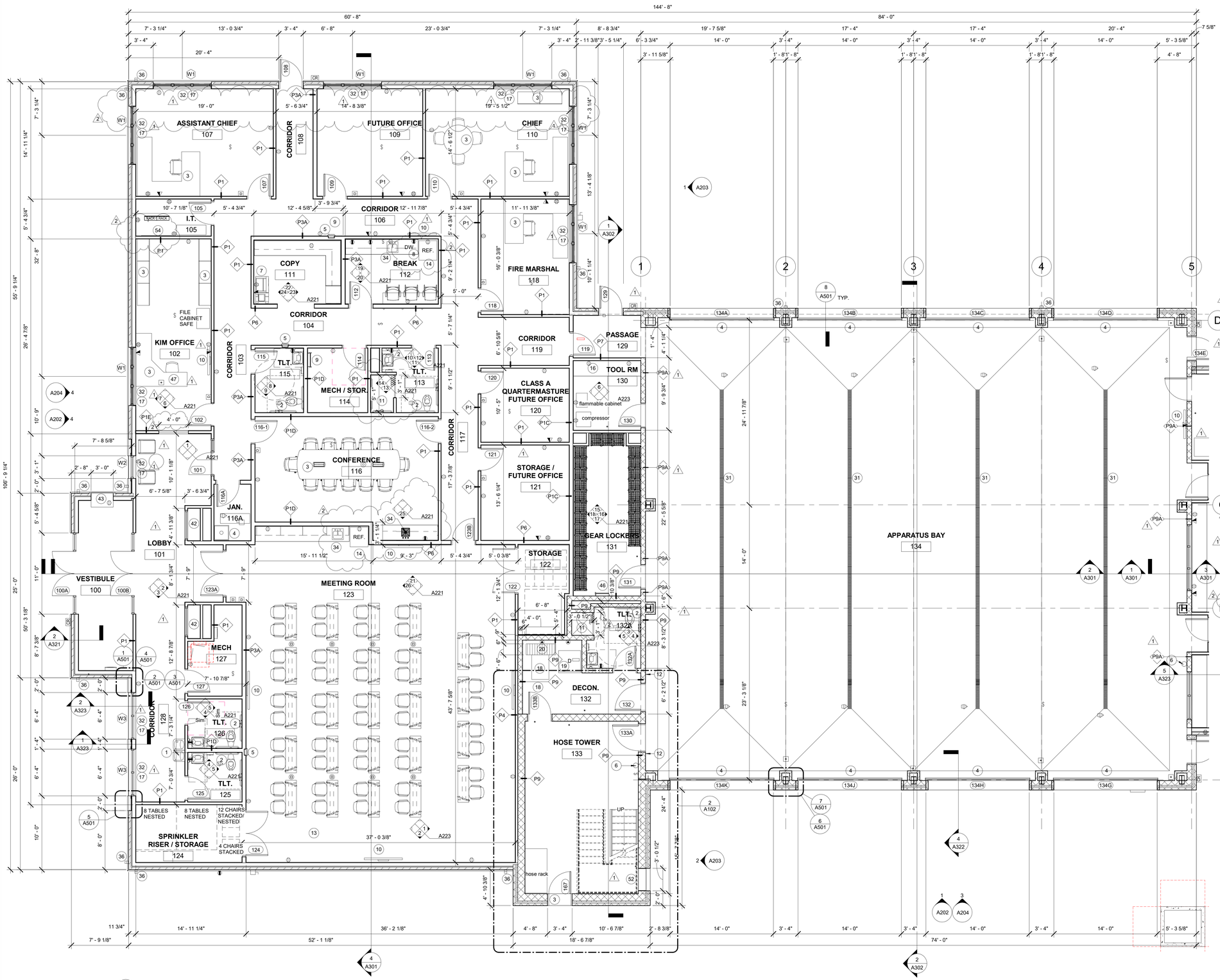
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TITLE SHEET WITH CODE REVIEW

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Checked By:	Checker
Commission:	025-2125
Date:	2025-09-05

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1 A101 PARTIAL FLOOR PLAN - WEST
3/16" = 1'-0"

FLOOR PLAN GENERAL NOTES

1. ALL WORK SHALL BE DONE IN ACCORDANCE WITH ALL FEDERAL, STATE AND LOCAL CODES, LAWS, AND REGULATIONS.
2. REFER TO CIVIL, STRUCTURAL, MECHANICAL, ELECTRICAL, PLUMBING AND FIRE PROTECTION DOCUMENTS FOR ADDITIONAL INFORMATION.
3. INTERIOR WALL DIMENSIONS ARE FROM FACE OF GYPSUM BOARD.
4. REFER TO ROOM FINISH SCHEDULE, DOOR SCHEDULE AND WALL TYPES FOR ADDITIONAL INFORMATION.
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2	ACCESSIBLE WATER CLOSET. REFER TO PLUMBING DOCUMENTS.
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2	2025-09-19	ADD NO. 2

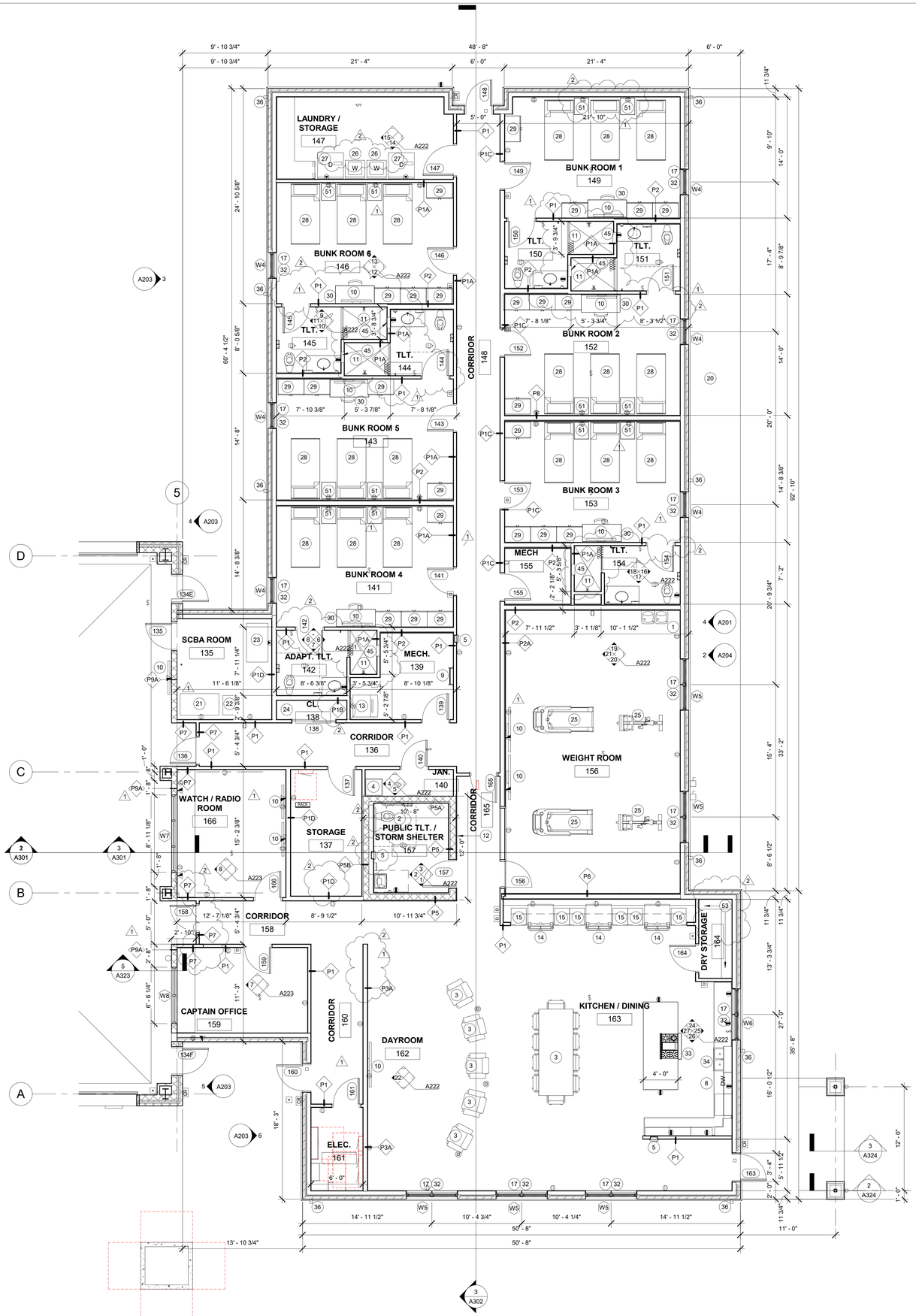
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PARTIAL FLOOR PLAN - WEST

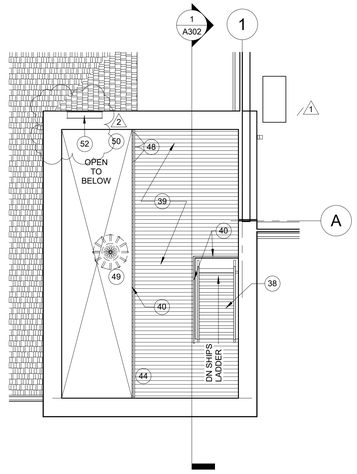
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Checked By:	DGC
Commission:	025-2125
Date:	2025-09-05

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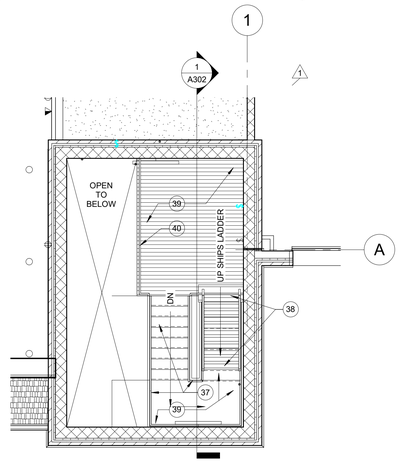
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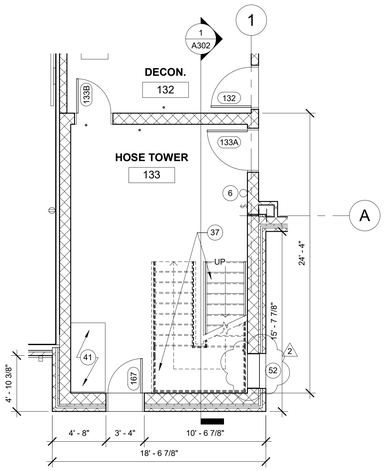
1 A102 PARTIAL FLOOR PLAN - EAST
3/16" = 1'-0"



4 A102 HOSE TOWER UPPER LEVEL
3/16" = 1'-0"



3 A102 HOSE TOWER MEZZ
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2 A102 HOSE TOWER FLOOR PLAN
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Sheet Info:

PARTIAL FLOOR PLAN - EAST

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Commission:	025-2125
Date:	2025-09-05

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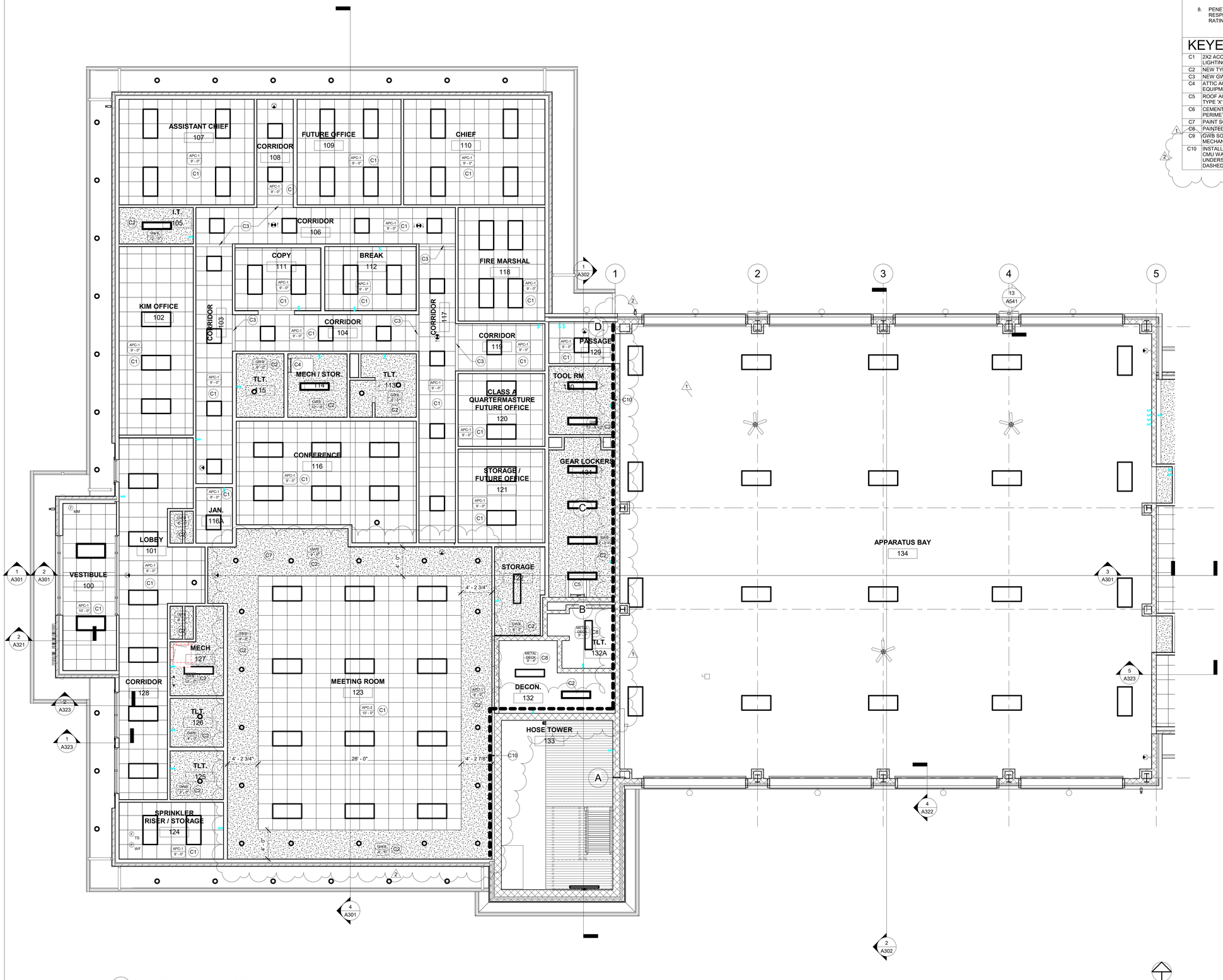
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REFLECTED CEILING GENERAL NOTES

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KEYED NOTES - REFLECTED CEILING PLAN

C1	2X2 ACOUSTIC PANEL CEILING TILES/GRID SYSTEM. REFER TO HVAC AND ELECTRICAL DOCUMENTS FOR LIGHTING AND DIFFUSER LOCATIONS.
C2	NEW TYPE "X" GWB CEILING (PAINTED).
C3	NEW GWB BULKHEAD (PAINTED). BOTTOM OF BULKHEAD TO BE 1" BELOW LOWEST ADJACENT CEILING.
C4	ATTIC ACCESS HATCH AND LADDER. PROVIDE PLYWOOD WALKWAY IN ATTIC TO ACCESS MECHANICAL EQUIPMENT. COORDINATE WITH MEP.
C5	ROOF ACCESS LADDER AND ROOF HATHC ABOVE. PROVIDE 2X6 WALLS ON SIDES OF OPENING WITH 5/8" TYPE 'X' GWB AND R-20 BATT INSULATION TO UNDERSIDE OF ROOF DECK.
C6	CEMENT BOARD SOFFIT PANELS OVER 7/16" ZIP SHEATHING. PROVIDE CEMENT BOARD TRIM AT SOFFIT PERIMETER AND AT PANEL EDGES. PAINT.
C7	PAINT SOFFIT PT-4.
C8	PAINTED METAL DECK.
C9	GWB SOFFIT AND FRAMING FOR SUPPORT OF EXHAUST HOOD. COORDINATE REQUIREMENTS WITH MECHANICAL.
C10	INSTALL MINIMUM R-10 CONTINUOUS INSULATION / 2" FOMULAR NGX 150 INSULATION ADHERED TO FACE OF CMU WALL W/ POLYSTYRENE COMPATIBLE ADHESIVE. IN ATTIC SPACE FROM TRUSS BEARING ELEVATION TO UNDERSIDE OF ROOF DECK TO COMPLETE CONTINUOUS THERMAL ENVELOPE. (LOCATION INDICATED BY DASHED LINE.) TAPE ALL JOINTS.



1 A121 REFLECTED CEILING PLAN - WEST
3/16" = 1'-0"

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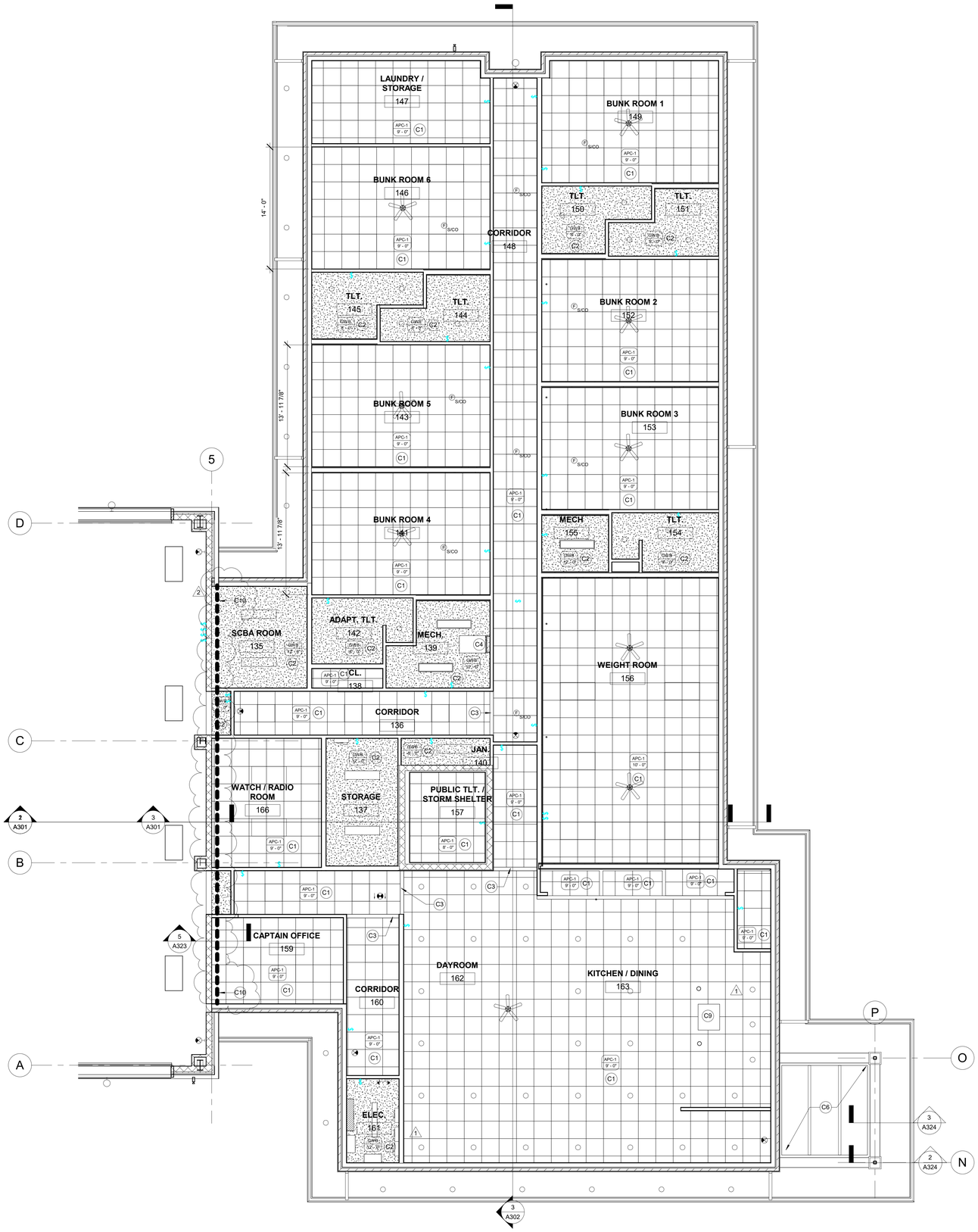
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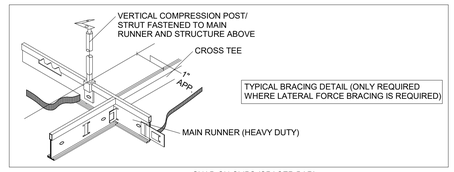
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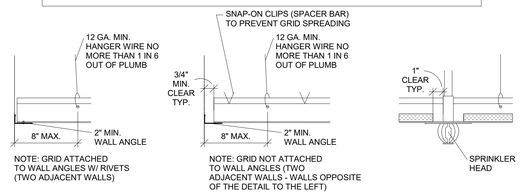
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8. PENETRATIONS THROUGH NEW FIRE RATED WALLS SHALL BE FIRESTOPPED BY THE RESPECTIVE TRADE CONTRACTOR. PROVIDE A FIRESTOPPING MATERIAL EQUAL TO THE FIRE RATING OF THE WALL, FLOOR, CEILING OR ROOF BEING PENETRATED.

KEYED NOTES - REFLECTED CEILING PLAN

C1	2X2 ACOUSTIC PANEL CEILING TILES/GRID SYSTEM. REFER TO HVAC AND ELECTRICAL DOCUMENTS FOR LIGHTING AND DIFFUSER LOCATIONS.
C2	NEW TYPE "X" GWB CEILING (PAINTED).
C3	NEW GWB BULKHEAD (PAINTED). BOTTOM OF BULKHEAD TO BE 1" BELOW LOWEST ADJACENT CEILING.
C4	ATTIC ACCESS HATCH AND LADDER. PROVIDE PLYWOOD WALKWAY IN ATTIC TO ACCESS MECHANICAL EQUIPMENT. COORDINATE WITH MEP.
C5	ROOF ACCESS LADDER AND ROOF HATHC ABOVE. PROVIDE 2X6 WALLS ON SIDES OF OPENING WITH 5/8" TYPE 'X' GWB AND R-20 BATT INSULATION TO UNDERSIDE OF ROOF DECK.
C6	CEMENT BOARD SOFFIT PANELS OVER 7/16" ZIP SHEATHING. PROVIDE CEMENT BOARD TRIM AT SOFFIT PERIMETER AND AT PANEL EDGES. PAINT.
C7	PAINT SOFFIT PT-4.
C8	PAINTED METAL DECK.
C9	GWB SOFFIT AND FRAMING FOR SUPPORT OF EXHAUST HOOD. COORDINATE REQUIREMENTS WITH MECHANICAL.
C10	INSTALL MINIMUM R-10 CONTINUOUS INSULATION / 2" FOMULAR NGX 150 INSULATION ADHERED TO FACE OF CMU WALL W/ POLYSTYRENE COMPATIBLE ADHESIVE. IN ATTIC SPACE FROM TRUSS BEARING ELEVATION TO UNDERSIDE OF ROOF DECK TO COMPLETE CONTINUOUS THERMAL ENVELOPE. (LOCATION INDICATED BY DASHED LINE.) TAPE ALL JOINTS.





NOTE: GRID ATTACHED TO WALL ANGLES W/ RIVETS (TWO ADJACENT WALLS)

NOTE: GRID NOT ATTACHED TO WALL ANGLES (TWO ADJACENT WALLS - WALLS OPPOSITE OF THE DETAIL TO THE LEFT)

NOTES (SEISMIC DESIGN CATEGORY D CEILINGS):

1. ALL GRID TO BE HEAVY DUTY.
2. ALL VERTICAL HANGER WIRES TO BE STRAIGHT, 12 GA. MINIMUM AT A MAXIMUM OF 4'-0" O.C.
3. VERTICAL HANGER WIRES MUST BE SHARPLY BENT AND WRAPPED WITH THREE TURNS IN 3" OR LESS (FOR FIELD TIED CONNECTIONS).
4. HANGER WIRES MAY NOT ATTACH TO OR BEND AROUND INTERFERING EQUIPMENT. USE TRAPEZES TO AVOID OBSTACLES.
5. LATERAL FORCE BRACING IS ONLY REQUIRED FOR CEILINGS GREATER THAN 1,000 SF.
   A. INSTALL 4-WAY DIAGONAL 12 GA. WIRE BRACING & VERTICAL STRUT EVERY 12'-0" O.C. MAXIMUM EACH WAY ON MAIN RUNNERS, 2" MAXIMUM FROM CROSS TEES, AND WITHIN 6'-0" OF WALLS. WIRES ARE NOT SHOWN HERE FOR CLARITY. POST IS MADE UP OF 3/4" STEEL TUBING WITH .049" WALL THICKNESS. MAXIMUM UNSUPPORTED LENGTH IS 5'-2". IF MORE THAN 5'-2" IS REQUIRED, NOTIFY ARCHITECT. POST TO HAVE SPRING AND CONNECTION FITTINGS AT TOP AND BOTTOM. (RIGID BRACING TO LIMIT DEFLECTION TO 1/4" UNDER SEISMIC ACTION). INSTALL ACCORDING TO MANUFACTURER'S DIRECTIONS. POST ASSEMBLIES ARE AVAILABLE FROM DONN CORPORATION.
   B. LATERAL FORCE BRACING CONNECTION STRENGTH MUST BE A MINIMUM OF 250 LBS.

NOTE: COMPLY WITH CISCA RECOMMENDATIONS AND IBC/ASTM/ASCE REQUIREMENTS FOR SEISMIC DESIGN CATEGORY D.

NOTE: PROVIDE SEISMIC BRACING FOR LIGHT FIXTURES TO MEET CODE.

2 A122 CEILING SUSPENSION DETAIL - TYPICAL.
1/8" = 1'-0"

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Revisions:

No:	Date:	Description:
1	2025-09-15	ADD. NO. 1
2	2025-09-19	ADD NO. 2

Sheet Info:

PARTIAL REFLECTED CEILING PLAN - EAST

Drawn By:	SE/Coady
Checked By:	DGC
Commission:	025-2125
Date:	2025-09-05

A122

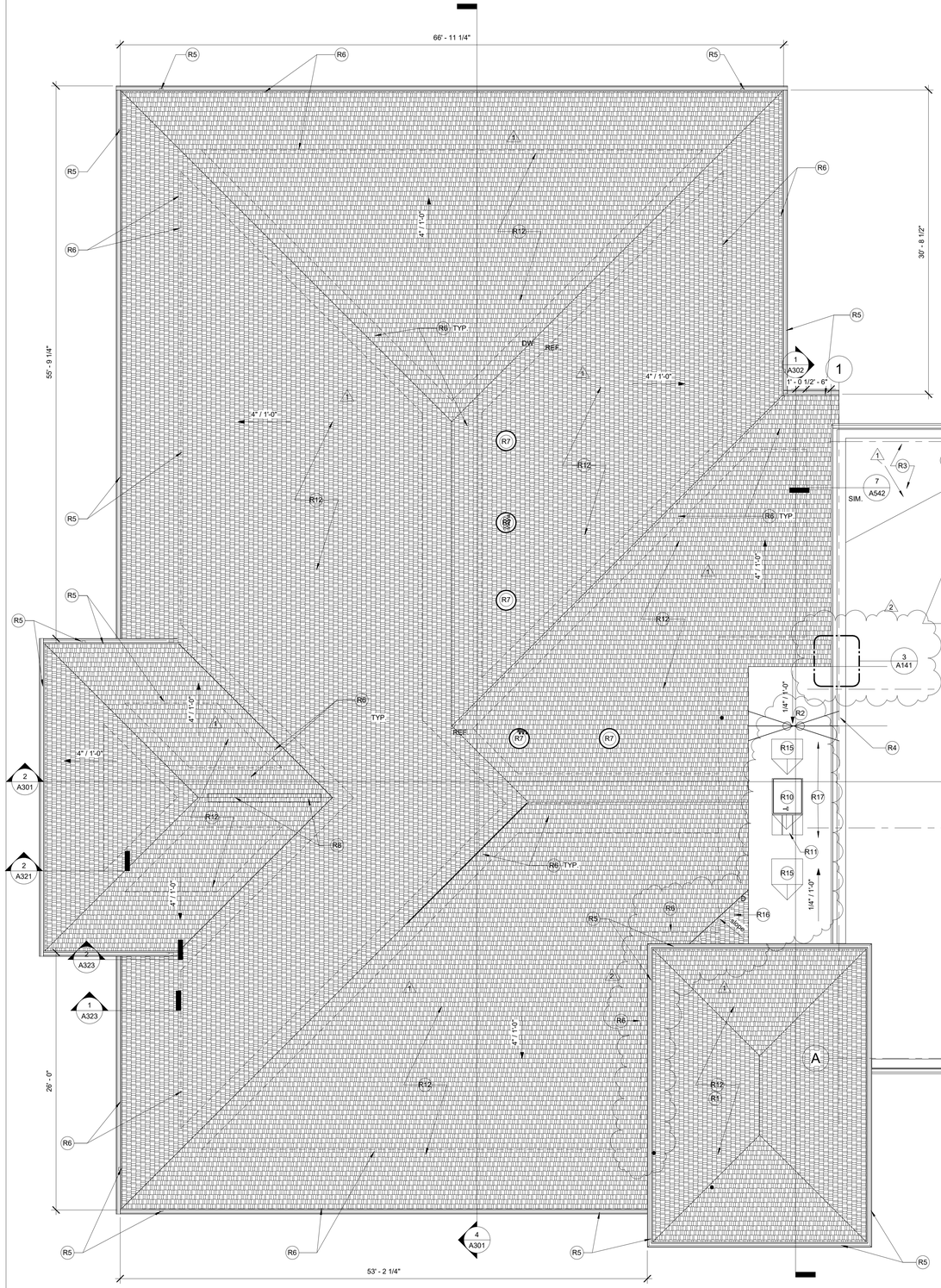
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ROOF PLAN GENERAL NOTES

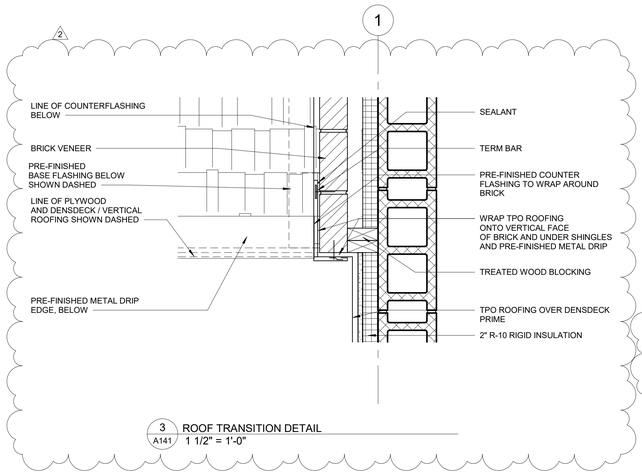
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KEYED NOTES - ROOF PLAN

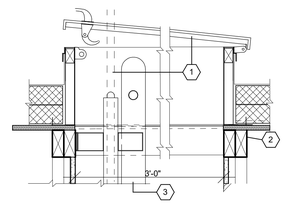
R1	60 MIL. FULLY ADHERED TPO ROOFING MEMBRANE OVER 2 LAYERS OF R-15 POLYISO INSULATION (BOTTOM LAYER MECHANICALLY FASTENED, TOP LAYER ADHERED - STAGGER JOINTS) OVER 6 MIL VAPOR BARRIER OVER 1/4" ROOF BOARD OVER METAL DECK OVER SLOPED ROOF STRUCTURE. REFER TO STRUCTURAL AND MEP DOCUMENTS.
R2	ROOF DRAIN AND OVERFLOW. ROOF DRAIN DROP TO BE ROUTED TO STORM SEWER PIPING. OVERFLOW DRAIN DROP TO BE PIPED TO SHEEPS TONGUE THAT SPILLS ON SITE. REFER TO PLUMBING AND CIVIL DOCUMENTS.
R3	POLYISO INSULATION ROOF CRICKET OVER BASE ROOF INSULATION (1/2" PER 1'-0" CRICKET SLOPE).
R4	PREFINISHED ALUMINUM COPING.
R5	PREFINISHED ALUMINUM GUTTER AND DOWNSPOUTS.
R6	ICE & WATER GUARD. EXTEND FROM EDGE OF EAVE AND RAKE TO MINIMUM 24" BEYOND INSIDE FACE OF EXTERIOR WALL LINE AND 36" FROM RIDGE & 18" ON EACH SIDE OF HIP/VALLEY.
R7	POWER ROOF VENTILATOR. SEE VENTILATION NOTES THIS SHEET.
R8	RIDGE VENT. SEE VENTILATION NOTES THIS SHEET.
R9	SCUPPER AND CONDUCTOR HEAD. REFER TO DETAIL _____
R10	ROOF HATCH. REFER TO 2/141
R11	ROOF WALK PADS. TYPICAL.
R12	ROOF CONSTRUCTION: ASPHALT SHINGLES, 30# ROOFING FELT, 5/8" EXTERIOR GRADE PLYWOOD, PRE-ENGINEERED ROOF TRUSSES.
R13	GRAVITY INTAKE HOOD. REFER TO MECHANICAL DOCUMENTS.
R14	FLUE. REFER TO MECHANICAL DOCUMENTS.
R15	CONDENSING UNIT. REFER TO MECHANICAL DOCUMENTS. PROVIDE CRICKET AS REQUIRED.
R16	PROVIDE CRICKET TO SLOPE AWAY FROM TOWER WALL.
R17	60 MIL. FULLY ADHERED TPO ROOFING MEMBRANE OVER TAPERED R-15 POLYISO INSULATION OVER FLAT ROOF STRUCTURE. SLOPE TO ROOF DRAIN. PROVIDE CRICKETS AS REQUIRED. REFER TO STRUCTURAL AND MEP DOCUMENTS.



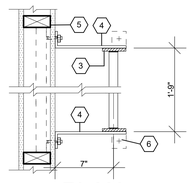
1 ROOF PLAN - WEST
A141 3/16" = 1'-0"



3 ROOF TRANSITION DETAIL
A141 1 1/2" = 1'-0"



SECTION



PLAN

KEYED NOTES:

1. ROOF SCUTTLE - 2'-6" X 3'-0" ROOF HATCH WITH "LADDER-UP" SAFETY POST MODEL S-20 BY BILCO CO. OR EQUAL. SECURE SCUTTLE TO ROOF FRAMING WITH THRU BOLTS ACCORDING TO MANUFACTURER'S DIRECTIONS. HINGE PINS ARE TO BE WELDED NON-REMOVABLE.
2. REFER TO STRUCTURAL DOCUMENTS FOR GIRDER TRUSS FRAMING AT PERIMETER OF OPENING
3. 2 1/2" X 3/8" FLAT STEEL BAR SIDE RAILS, AND 1" DIA. STEEL RUNGS PUNCHED INTO RAILS 12" CENTERS AND WELDED RAILS TO BE CAPABLE OF WITHSTANDING 300 LB. LOAD.
4. PROVIDE 2 1/2" X 3/8" THICK FLAT BENT STEEL BRACKETS AT MAX. 4'-0" CENTERS. WELD TO SIDE RAILS. ANCHOR TOP TO GIRDER TRUSS FRAMING.
5. AT WOOD STUD WALL, PROVIDE 1 1/2" C.R. STEEL REINFORCING CHANNELS WITH WELDED 3/8" THRU BOLTS TO RECEIVE BRACKETS. ANCHOR TO STUDS W/ STELL ANGLE MOUNTING BRACKETS.
6. PROVIDE 2 1/2" X 2 1/2" X 3/8" WELDED CLIP ANGLES SECURED TO CONCRETE FLOOR WITH 1/2" X 2 3/4" WEDGE "RED HEAD" OR "MOLLY" ANCHOR BOLTS.

2 ROOF ACCESS LADDER AND HATCH DETAILS
A141 1 1/2" = 1'-0"

ATTIC VENTILATION REQUIREMENTS:

WEST ROOF:
7984 S.F. UNDER VENTILATED ROOF
7984/150 = 53.23 S.F. x 144 = 7,665 SQ. IN.
7665 / 2 = 3,833 SQ. IN HIGH / 3,833 SQ. IN LOW

PROVIDE (5) ATLAS HIGHPOINT POWER VENT HT OR EQUAL (COLOR TO BE SELECTED) W/ AUTOMATIC THERMOSTAT / HUMIDISTAT PROVIDE VENTED ALUMINUM SOFFIT..ONE HIGHPOINT POWER VENT HT CAN EXHAUST 1170 CFM.
7984 S.F. x .7 = 5,589 CFM
5,589 CFM / 1170 CFM = 4.8 VENTS REQUIRED.
5 VENTS X 1170 CFM = 5,850 CFM / 150 = 39 S.F. X 144 = 5,616 SQ. IN.

LOW INTAKE VENTILATION REQUIRED
PROVIDE VENTED ALUMINUM SOFFIT
PROVIDE A MINIMUM OF 5,616 SQ. IN. OF INTAKE AIRFLOW IN SOFFIT.
233 L.F. x 3 WIIDE = 699 S.F. OF SOFFIT:
5,616 SQ. IN OF VENTILATION REQUIRED
5,616 SQ. IN. OF VENTILATION REQUIRED / 699 OF SOFFIT AREA = 8.03 NET FREE AIR PER SQ. FT REQUIRED

VESTIBULE:
202 S.F./150 = 1.35 S.F. x 144 SQ. IN. = 195 SQ. IN.
195/2 = 98 SQ. IN HIGH / 98 SQ. IN LOW

HIGH EXHAUST VENTILATION REQUIRED: 98 SQ. IN
GAF RIDGE VENTS OR EQUAL: 13 LF X 9 SQ. IN = (117 SQ. IN)

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PARTIAL ROOF PLAN - WEST

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Commission:	025-2125
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A141

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EXTERIOR ELEVATION GENERAL NOTES

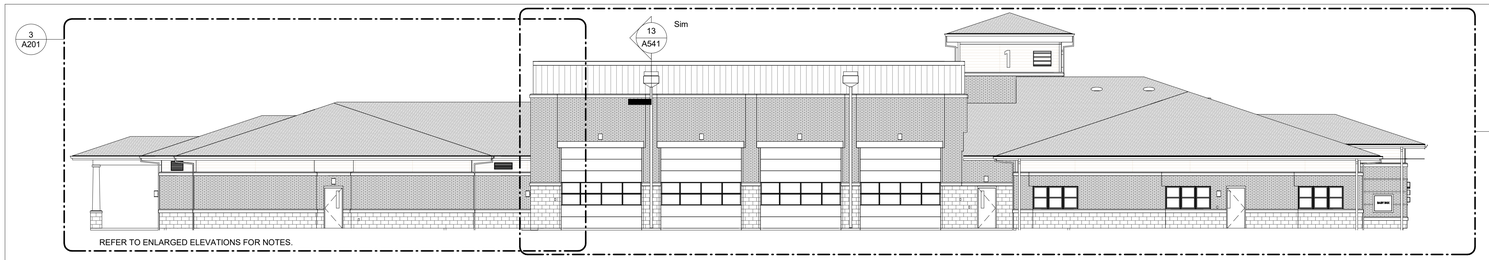
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KEYED NOTES - EXTERIOR ELEVATIONS

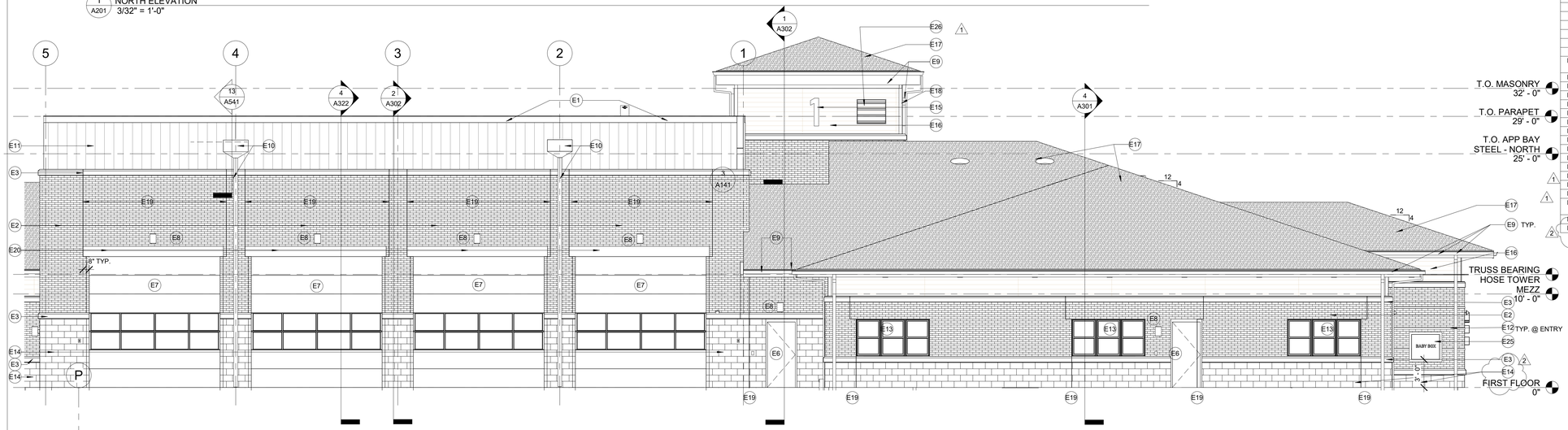
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E2	FACE BRICK. (BRICK 1)
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E5	ALUMINUM STOREFRONT ENTRANCE. REFER TO DOOR FRAME TYPES, SHEET A601.
E6	INSULATED HOLLOW METAL ENTRANCE DOOR. REFER TO FLOOR PLAN AND DOOR SCHEDULE.
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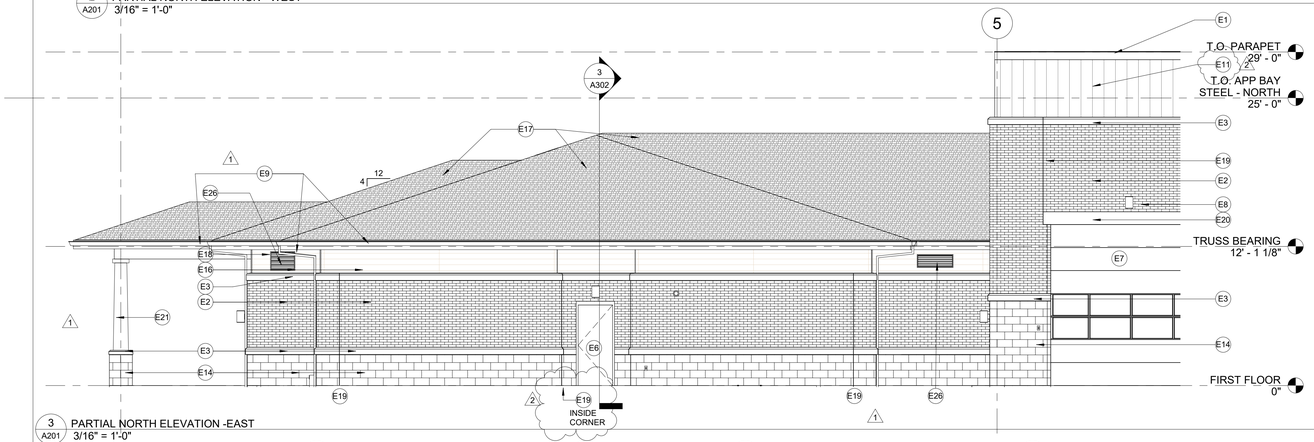
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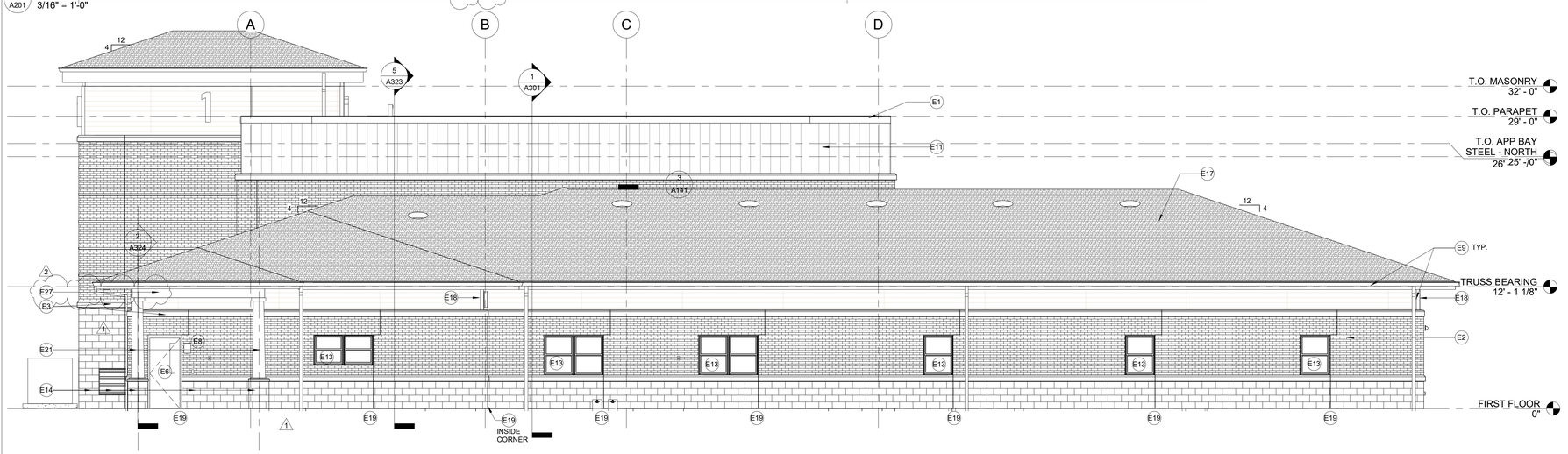
1 A201 NORTH ELEVATION
3/32" = 1'-0"



2 A201 PARTIAL NORTH ELEVATION - WEST
3/16" = 1'-0"



3 A201 PARTIAL NORTH ELEVATION -EAST
3/16" = 1'-0"



4 A201 EAST ELEVATION
3/16" = 1'-0"

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Revisions:

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1	2025-09-15	ADD. NO. 1
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Sheet Info:

EXTERIOR ELEVATIONS

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Checked By:	Checker
Commission:	025-2125
Date:	2025-09-05

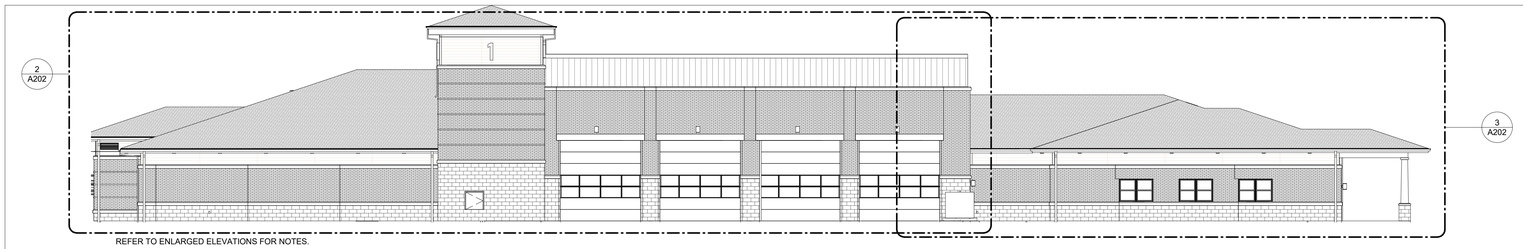
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EXTERIOR ELEVATION GENERAL NOTES

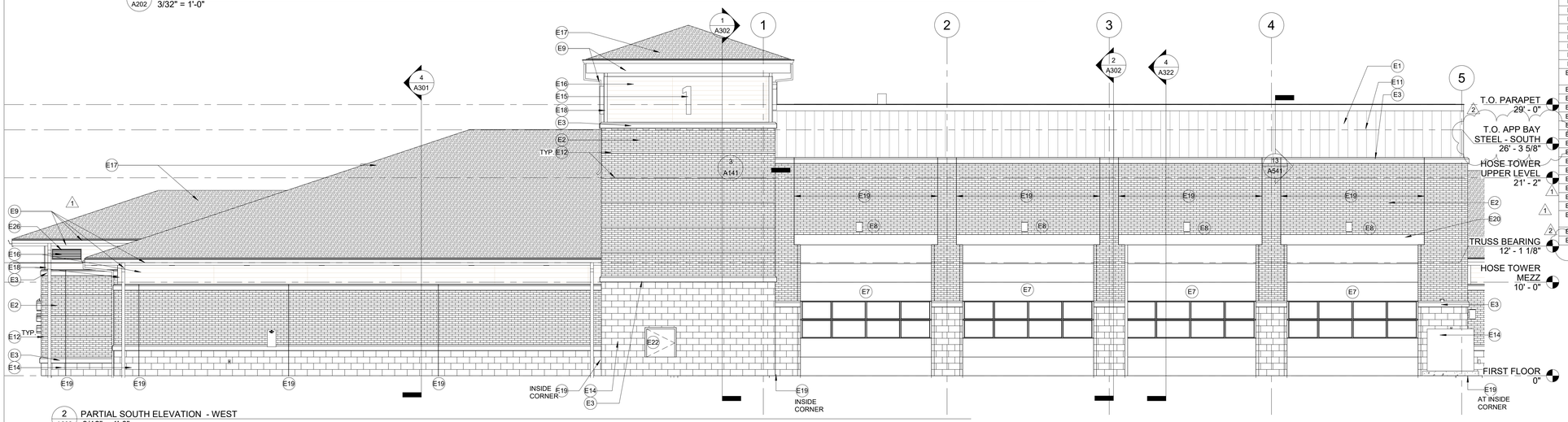
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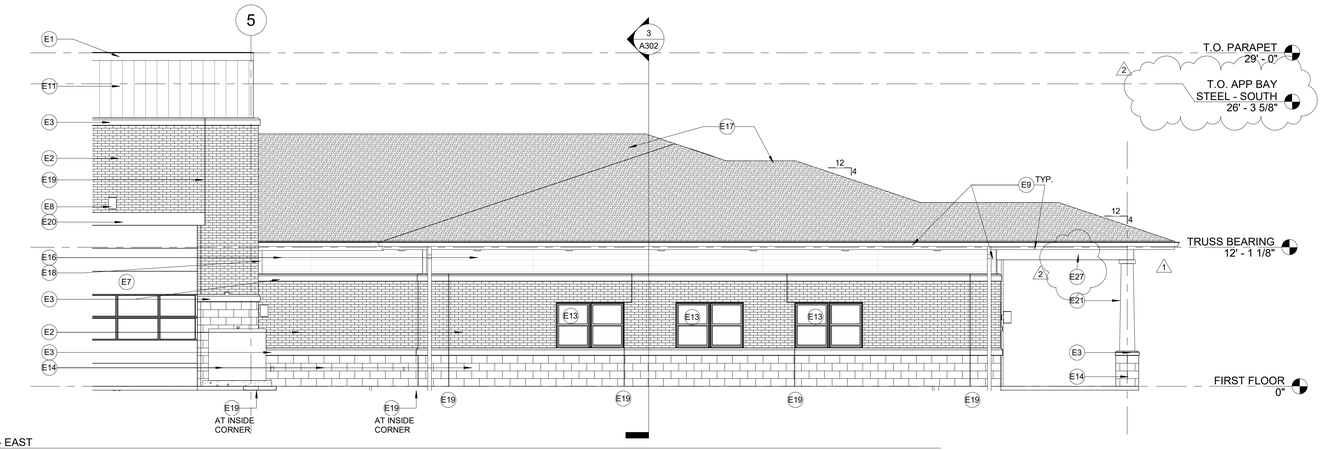
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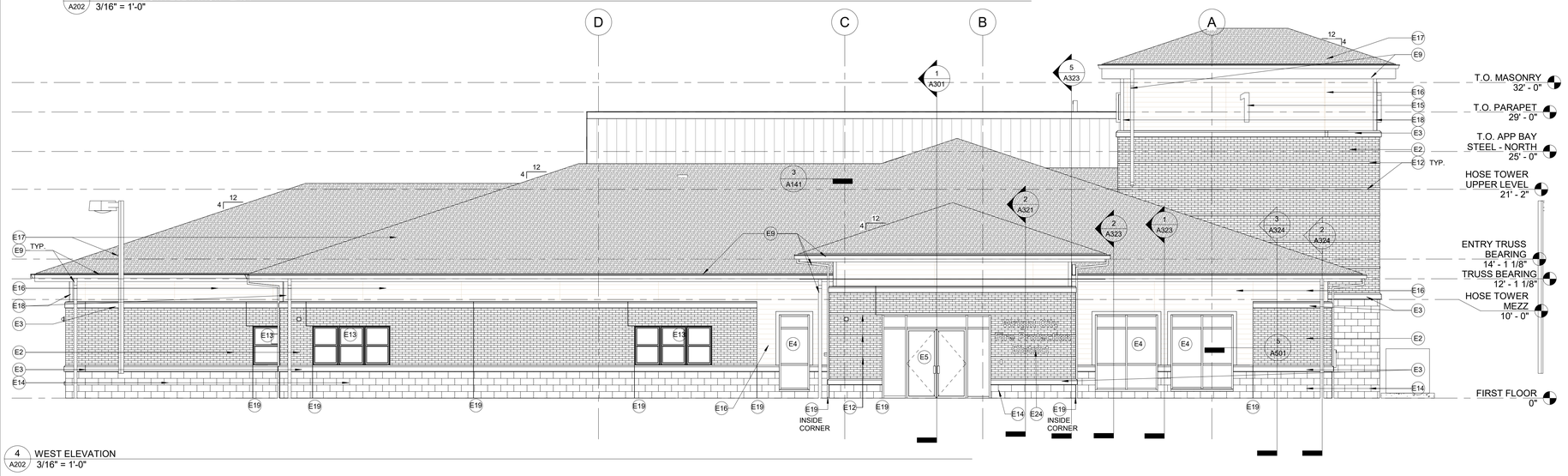
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3/32" = 1'-0"



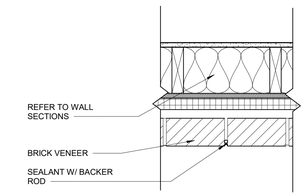
2 A202 PARTIAL SOUTH ELEVATION - WEST
3/16" = 1'-0"



3 A202 PARTIAL SOUTH ELEVATION - EAST
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4 A202 WEST ELEVATION
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5 A202 TYP. CONTROL JOINT DETAIL
1 1/2" = 1'-0"

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A202

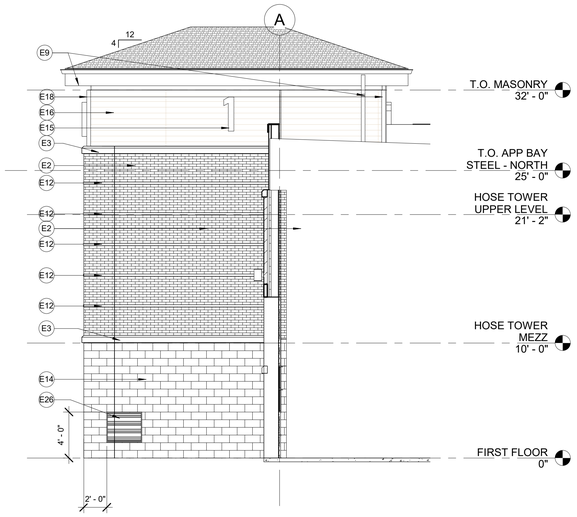
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EXTERIOR ELEVATION GENERAL NOTES

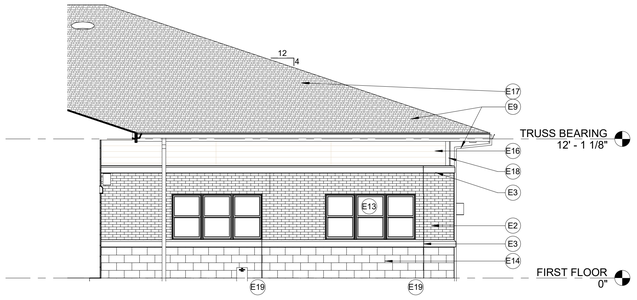
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2. REFER TO STRUCTURAL, MECHANICAL, ELECTRICAL, PLUMBING AND CIVIL DOCUMENTS FOR ADDITIONAL INFORMATION.
3. EXTERIOR WALL DIMENSIONS ARE FROM FACE OF FOUNDATION/SHEATHING.
4. THE PAINTING CONTRACTOR SHALL BE RESPONSIBLE FOR ALL FINAL PAINT AND TOUCH UP WORK WHICH SHALL BE COMPLETED AFTER THE INSTALLATION OF ALL EQUIPMENT.
5. EACH CONTRACTOR SHALL FOLLOW THE PROGRESS OF THE WORK TO ASSURE THE ACCESSIBILITY AND SAFETY OF EQUIPMENT AND SYSTEMS AND TO PROVIDE FOR THE TIMELY INSTALLATION OF EQUIPMENT, PIPING, ETC.
6. CONTRACTOR TO COORDINATE WITH THE OWNER FOR THE INSTALLATION OF EQUIPMENT SUPPLIED UNDER A SEPARATE CONTRACTS.

KEYED NOTES - EXTERIOR ELEVATIONS

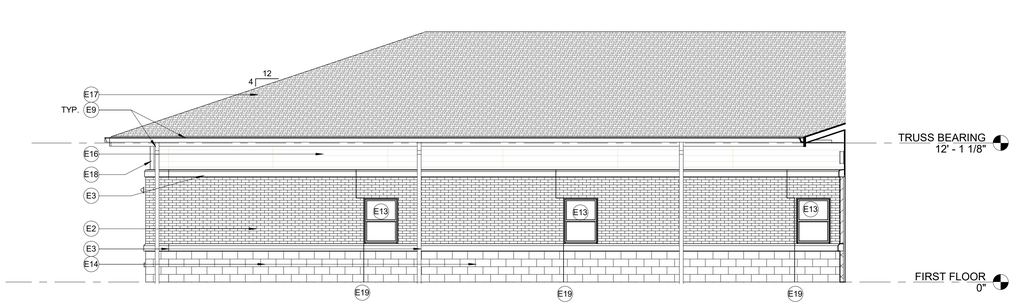
E1	PREFINISHED ALUMINUM COPING.
E2	FACE BRICK. (BRICK 1)
E3	CAST STONE SILL.
E4	ALUMINUM STOREFRONT WINDOW. REFER TO WINDOW TYPES, SHEET A601.
E5	ALUMINUM STOREFRONT ENTRANCE. REFER TO DOOR FRAME TYPES, SHEET A601.
E6	INSULATED HOLLOW METAL ENTRANCE DOOR. REFER TO FLOOR PLAN AND DOOR SCHEDULE.
E7	INSULATED OVERHEAD DOOR. REFER TO DOOR SCHEDULE.
E8	WALL MOUNTED LIGHT FIXTURE. REFER TO ELECTRICAL DOCUMENTS.
E9	PREFINISHED ALUMINUM GUTTER AND DOWNSPOUTS. REFER TO ROOF PLAN FOR SIZES.
E10	PREFINISHED SCUPPER WITH OVERFLOW AND DOWNSPOUT. REFER TO ROOF PLAN AND CIVIL DOCUMENTS.
E11	PREFINISHED INSULATED METAL WALL PANELS.
E12	PROJECTED BRICK - (BRICK 2)
E13	WINDOW. REFER TO FLOOR PLAN AND WINDOW TYPES.
E14	SPLIT FACE CMU.
E15	BACK LIT SIGNAGED. REFER TO SIGNAGE ALLOWANCE.
E16	HORIZONTAL LAP SIDING.
E17	ASPHALT SHINGLES. REFER TO ROOF PLAN.
E18	SIDING CORNER TRIM. TYP.
E19	MASONRY CONTROL JOINT.
E20	CAST STONE LINTEL AT OVERHEAD DOORS.
E21	PREFABRICATED COLUMN. REFER TO SECTIONS AND DETAILS.
E22	STORM SHELTER EMERGENCY ESCAPE DOOR. REFER TO DOOR SCHEDULE.
E23	PRE-FINISHED STEPPED FLASHING.
E24	SIGNAGE. REFER TO SIGNAGE ALLLOWANCE.
E25	BABY BOX. REFER TO EQUIPMENT SCHEDULE. VERIFY ROUGH OPENING REQUIREMENTS. REFER TO STRUCTURAL FOR LINTEL / HEADER REQUIREMENTS AND ELECTRICAL DOCUMENTS.
E26	LOUVER. REFER TO MECHANICAL DOCUMENTS.
E27	SMOOTH CEMENT BOARD PANEL BEAM ENCLOSURE.



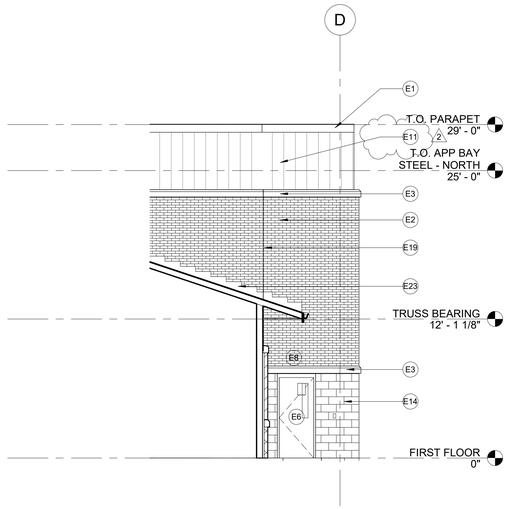
2 A203 EAST ELEVATION - PARTIAL AT HOSE TOWER
3/16" = 1'-0"



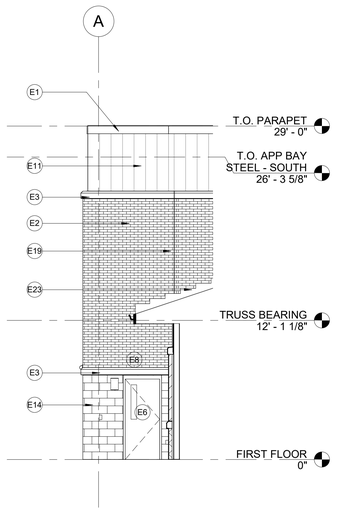
1 A203 EAST ELEVATION - PARTIAL
3/16" = 1'-0"



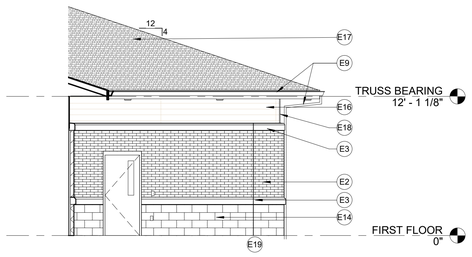
3 A203 WEST ELEVATION - PARTIAL AT LIVING QUARTERS
3/16" = 1'-0"



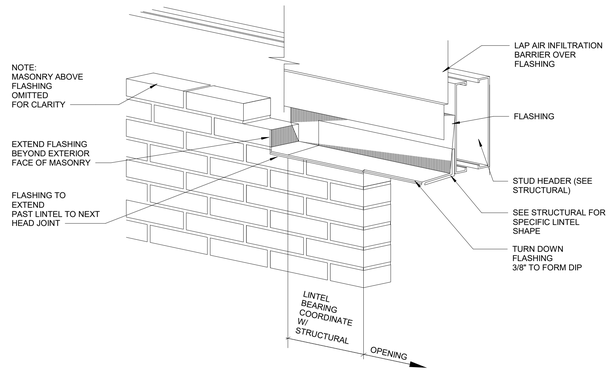
4 A203 EAST ELEVATION - PARTIAL AT APP. BAY
3/16" = 1'-0"



5 A203 EAST ELEVATION - PARTIAL AT APP. BAY 2
3/16" = 1'-0"



6 A203 WEST ELEVATION - PARTIAL AT LIVING QUARTERS
3/16" = 1'-0"



7 A203 LINTEL FLASHING DETAIL
1 1/2" = 1'-0"

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Revisions:

No:	Date:	Description:
1	2025-09-15	ADD. NO. 1
2	2025-09-19	ADD NO. 2

Sheet Info:

EXTERIOR ELEVATIONS

Drawn By:	Author
Checked By:	Checker
Commission:	025-2125
Date:	2025-09-05

A203

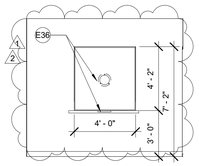
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INTERIOR ELEVATION GENERAL NOTES

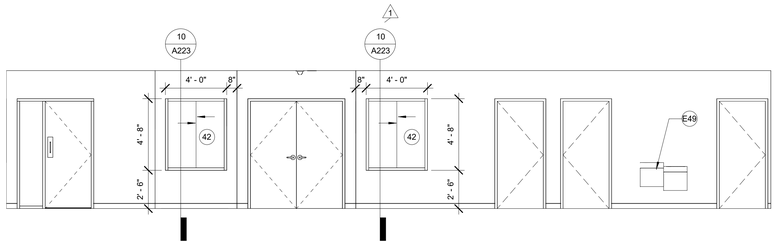
1. ALL WORK SHALL BE DONE IN ACCORDANCE WITH ALL FEDERAL, STATE AND LOCAL CODES, LAWS AND REGULATIONS.
2. CONTRACTOR TO FIELD VERIFY ALL DIMENSIONS PRIOR TO ANY FABRICATION OF MILLWORK. ANY DISCREPANCIES ARE TO BE REPORTED TO THE ARCHITECT.
3. ALL MILLWORK TO BE AWI "CUSTOM" GRADE.
4. ALL BASE/WALL CABINETS TO HAVE PLASTIC LAMINATE FINISH UNLESS NOTED OTHERWISE. REFER TO ROOM FINISH SCHEDULE FOR COUNTERTOP FINISH.
5. ALL FILE CABINETS ARE TO ACCOMMODATE FILE SIZE HANGING FILES. HANGING FILE RACK IS TO BE BUILT-IN.
6. ALL OUTSIDE CORNERS OF COUNTERTOPS TO HAVE A 2" RADIUS.
7. ALL BASE CABINETS AND KNEE SPACES TO HAVE VINYL BASE. PROVIDE SOLID BACKING AS REQUIRED.
8. ALL BASE CABINETS TO HAVE ONE ADJUSTABLE SHELF AND ALL WALL CABINETS TO HAVE TWO ADJUSTABLE SHELVES UNLESS NOTED OTHERWISE.
9. ALL CABINETS TO HAVE 4" WIRE PULLS.
10. PROVIDE A 3" DIA. GROMMET WITH PLASTIC INSERT AT EACH WORK SPACE / KNEE SPACE.
11. ALL OWNER PROVIDED ACCESSORIES ARE TO BE INSTALLED BY THE CONTRACTOR.
12. THE CONTRACTOR SHALL PROVIDE FIRE RETARDANT WOOD OR HEAVY GAUGE SHEET METAL BLOCKING FOR THE INSTALLATION OF ALL MILLWORK, TOILET ACCESSORIES, HANDRAILS, ETC. AS REQUIRED.
13. PROVIDE MOLDED VINYL PIPE COVERS ON ALL EXPOSED PLUMBING AT WALL SINKS.
14. ALL COUNTERTOP SUPPORT BRACKETS TO BE PAINTED TO MATCH THE WALL COLOR UNLESS OTHERWISE NOTED.
15. OWNER PROVIDED SOAP DISPENSERS ARE TO BE INSTALLED BY THE CONTRACTOR. PROVIDE A SOAP DISPENSER AND PAPER TOWEL DISPENSER AT ALL SINKS. OTHER OWNER PROVIDED, CONTRACTOR INSTALLED ITEMS INCLUDE SHARPS CONTAINERS, PURELL DISPENSERS AND OTOSCOPES.
16. ALL COUNTERTOPS ARE TO HAVE SELF EDGE WITH COVER BACKSPLASH/ENDSPLASH.
17. REFER TO SHEET A561 FOR CASEWORK DETAILS.
18. ALL CABINET DOORS AND DRAWERS TO BE "SOFT CLOSE".

INTERIOR ELEVATION KEYED NOTES

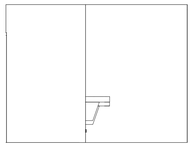
E1		PLASTIC LAMINATE WALL CABINETS.
E2		PLASTIC LAMINATE BASE CABINETS.
E3	1	DISHWASHER. REFER TO EQUIPMENT SCHEDULE.
E4		SOLID SURFACE COUNTERTOP/BACKSPLASH WITH UNDERMOUNT SINK REFER. TO PLUMBING DOCUMENTS.
E5		RANGE. REFER TO EQUIPMENT SCHEDULE.
E6		SOLID SURFACE COUNTERTOP.
E7		FINISHED END.
E8		REFRIGERATOR. REFER TO EQUIPMENT SCHEDULE.
E9		MICROWAVE SHELF
E10		MULTIFUNCTION DEVICE. N.I.C.
E11		INSTALL WALL BLOCKING FOR FUTRE ADA SHOWER HEAD/SLID BAR.
E12		INSTALL WALL BLOCKING FOR FUTURE INSTALLATION OF GRAB BAR. REFER TO ADA TOILET ____ ELELVATIONS FOR ACCESSIBLE GRAB BAR LENGTH/LOCATION.
E13		SHOWER HEAD AND CONTROL. REFER TO PLUMBING DOCUMENTS.
E14		18" DEEP SOLID SURFACE COUNTER.
E15		SINK APRON. REFER TO DETAIL 27/A221.
E16		FILLER PANEL. TYPICAL
E17		18" GRAB BAR. BOBRICK B6806.99 OR EQUAL.
E18		42" GRAB BAR. BOBRICK B6806.99 OR EQUAL.
E19		36" GRAB BAR. BOBRICK B6806.99 OR EQUAL.
E20		ACCESSIBLE WATER CLOSET. REFER TO PLUMBING DOCUMENTS.
E21		TOILET PAPER DISPENSER - BOBRICK B-6867 OR EQUAL.
E22		MIRROR - 24" X 36" BOBRICK B165 OR EQUAL
E23		SOAP DISPENSER - GLOBAL INDUSTRIAL GOJO FMX-12 (5150-06) OR EQUAL.
E24	1	SURFACE MOUNTED ACCESSIBLE HEIGHT PAPER TOWEL DISPENSER. BOBRICK B262 OR EQUAL.
E25		SOLID SURFACE COUNTERTOP WITH UNDERMOUNT BOWL REFER TO 12/A223 AND PLUMBING DOCUMENTS.
E26		30" GRAB BAR. BOBRICK B6806.99 OR EQUAL. CENTER ON SHOWER WALL.
E27	1	PROVIDE BLOCKING FOR FUTURE ACCESSIBLE SHOWER CONTROLS/HEAD ASSEMBLY. REFER TO PLUMBING DOCUMENTS.
E28	2	SOLID SURFACE WALL PANELS IN SHOWER (ALL WALLS). PROVIDE (1) SWAN RS02215.010 OR EQUAL (WHITE) RECESSED SHOWER CADDY IN EACH SHOWER. COORDINATE FINAL LOCATION.
E29		48" GRAB BAR. BOBRICK B6806.99 OR EQUAL. CENTER ON WALL.
E30		ACCESSIBLE WALL HUNG SINK. REFER TO PLUMBING DOCUMENTS.
E31		INSULATING PIPE COVERINGS
E32		STAINLESS STEEL COUNTERTOP.
E33		SOLID SURFACE COUNTERTOP.
E34		TV. PROVIDE BLOCKING FOR MOUNT. VERIFY FINAL LOCATION WITH OWNER.
E35	2 1	PLASTIC LAMINATE FINISHED END PANEL.
E36		BULLET RESISTANT HOLE AND BACKER TRANSACTION WINDOW WITH NON-RATED SLIP TUBE FRAME LINED WITH LEVEL 3 FIBERGLASS AND RATED CURRENCY TRAY.
E38		WASHER. REFER TO EQUIPMENT SCHEDULE.
E39		DRYER. REFER TO EQUIPMENT SCHEDULE.
E40		WATER CLOSET. REFER TO PLUMBING DOCUMENTS.
E41		PROVIDE BLOCKING FOR ACCESSIBLE SHOWER CONTROLS/HEAD ASSEMBLY. REFER TO PLUMBING DOCUMENTS.
E43	2	INSTALL WALL BLOCKING FOR FUTURE INSTALLATION OF GRAB BARS.
E47		RAKKS 18"X18" EH COUNTER SUPPORT BRACKET FOR COUNTERTOPS 18"-25" AND EH1212 FOR COUNTERTOPS UP TO 18" OR APPROVED EQUAL. (OFF-WHITE)
E48	2	SOLID SURFACE COUNTERTOP WITH UNDERMOUNT BOWL AND PLASTIC LAMINATE APRON. REFER TO 4/A222. (ROUGH IN TO ACCOMMODATE FUTRE ADA COMPLIANT SINK).
E49		ELECTRIC WATER COOLER WITH BOTTLE FILLER. REFER TO PLUMBING DOCUMENTS.
E50		METAL BASE CABINETS (36" WIDE) - GLOBAL INDUSTRIAL WB269873GY OR EQUAL.
E53		24" DEEP LAMINATE CABINET WITH 5 ADJUSTABLE SHELVES.
E54		SOLID SURFACE WINDOW SILL AT ALL WINDOWS. (1 " THICK. EXTEND 1/2" BEYOND WINDOW JAMB.)
E55		CUSTOM BUILT 24" DEEP LAMINATE WARDROBE CABINET WITH SHELF, CLOTHES ROD AND 2 DRAWERS. ALL EXPOSED SURFACES TO BE PLASTIC LAMINATE. INTERIOR TO BE WHITE MELAMINE. REFER TO CASEWORK DETALS AND EQUIPMENT PLAN.1 WARDROBE CABINETS TO BE LOCKABLE. 1
E56		REFRIGERATOR. REFER TO EQUIPMENT SCHEDULE.
E57		ARCHITECTURAL WOOD BASE AND WALL CABINETS.
E59		PLASTIC LAMINATE COUNTERTOP.
E60		CUSTOM BUILT22.5" DEEP PLASTIC LAMINATE NIGHT STAND TO MATCH WARDROBES.
E61		SEMI-RECESSED FIRE EXTINGUISHER CABINET AND FIRE EXTINGUISHER.
E62		GEAR LOCKER. REFER TO EQUIPMENT SCHEDULE. 1
E63		BED. REFER TO EQUIPMENT PLAN.
E64		PLASTIC LAMINATE PANTRY CABINETS.
E65		MOP SINK.
E66		ROOF ACCESSS LADDER.
E67		PROVIDE END PANEL TO ALLOW FOR REMOVABLE SINK BASE CABINET. EXTEND FLOORING INTO FUTURE KNEE SPACE. FINISH WALLS AND SIDE PANELS IN FUTURE KNEE SPACE. COUNTERTOP TO BE ADJUSTABLE TO 34" IN THE FUTURE.
E68	1 2	PROVIDE END PANEL TO ALLOW FOR REMOVABLE BASE CABINET. EXTEND FLOORING INTO FUTURE KNEE SPACE. FINISH WALLS AND SIDE PANELS IN FUTURE KNEE SPACE. COUNTERTOP TO BE ADJUSTABLE TO 34" IN THE FUTURE.
E69		NOT USED.
E70		ROBE / COAT HOOK. PROVIDE BLOCKING AS REQUIRED. BOBRICK B6827 OR EQUAL. TYPICAL AT ALL SHOWER LOCATIONS.
E71		INSTALL FRP ON WALLS UP TO 4'-0" AFF AT WALLS ADJACENT TO MOP BASIN. EXTEND 18" BEYOND FRONT FACE OF MOP BASIN.
E72		GYSPUM WALL BOARD SOFFIT WITH RANGE HOOD BELOW. COORDINATE SIZE OF SOFFIT WITH HOOD. REFER TO MECHANICAL DOCUMENTS.
E73		SHOWER ROD AND CURTAIN. TYPICAL AT ALL SHOWERS.



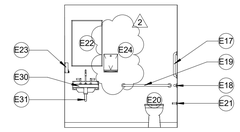
1 A221 LOBBY 101 - NORTH VIEW
1/4" = 1'-0"



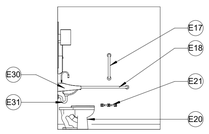
2 A221 LOBBY 101 - EAST VIEW
1/4" = 1'-0"



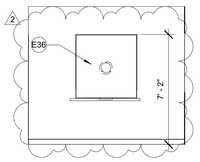
3 A221 LOBBY 101 - VIEW SOUTH
1/4" = 1'-0"



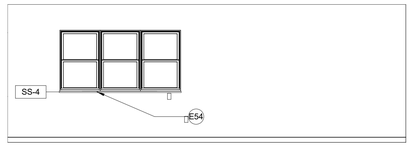
4 A221 TOILET 125 - NORTH VIEW
1/4" = 1'-0"



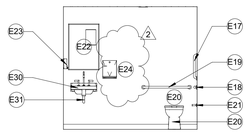
5 A221 TOILET 125 - EAST VIEW
1/4" = 1'-0"



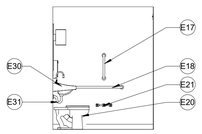
6 A221 KIM OFFICE 102 - SOUTH VIEW
1/4" = 1'-0"



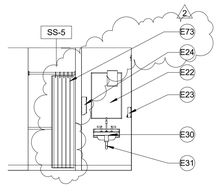
7 A221 KIM OFFICE 102 - WEST VIEW
1/4" = 1'-0"



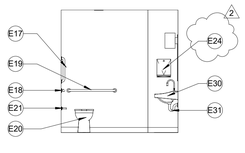
8 A221 TOILET 115 - EAST VIEW
1/4" = 1'-0"



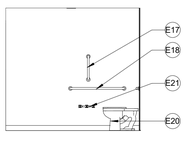
9 A221 TOILET 115 - SOUTH VIEW
1/4" = 1'-0"



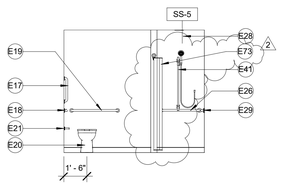
10 A221 TOILET 113 - WEST VIEW
1/4" = 1'-0"



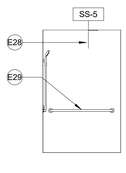
11 A221 TOILET 113 - SOUTH VIEW
1/4" = 1'-0"



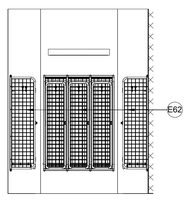
12 A221 TOILET 113 - EAST VIEW
1/4" = 1'-0"



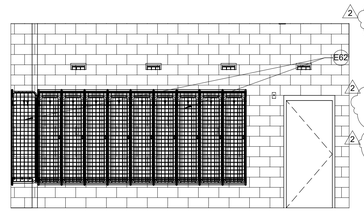
13 A221 TOILET 113 SHOWER - SOUTH VIEW
1/4" = 1'-0"



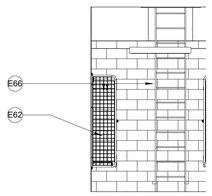
14 A221 TOILET 113 SHOWER - WEST VIEW
1/4" = 1'-0"



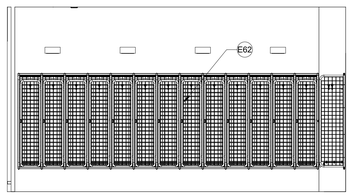
15 A221 GEAR LOCKERS 131 - NORTH VIEW
1/4" = 1'-0"



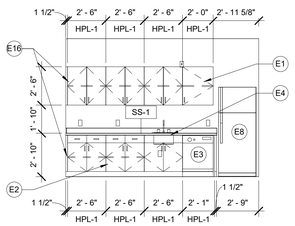
16 A221 GEAR LOCKERS 131 - EAST VIEW
1/4" = 1'-0"



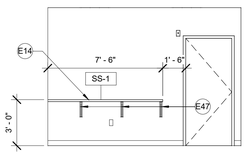
17 A221 GEAR LOCKERS 131 - SOUTH VIEW
1/4" = 1'-0"



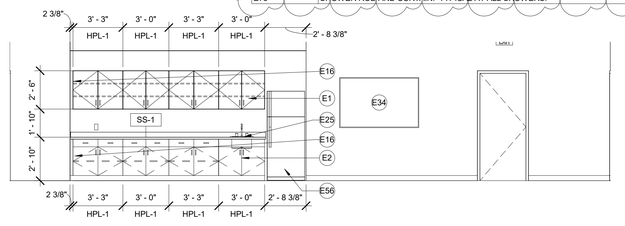
18 A221 GEAR LOCKERS 131- WEST VIEW
1/4" = 1'-0"



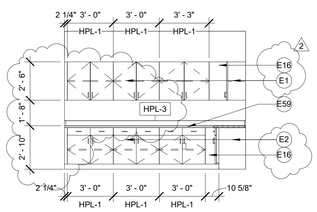
19 A221 BREAK 112 - NORTH VIEW
1/4" = 1'-0"



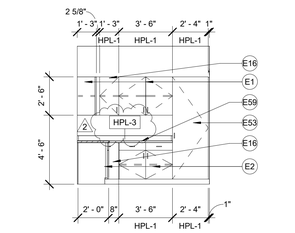
20 A221 BREAK 112 - SOUTH VIEW
1/4" = 1'-0"



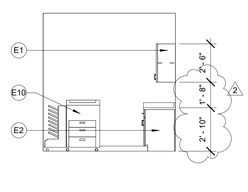
21 A221 MEETING ROOM 123 - NORTH VIEW
1/4" = 1'-0"



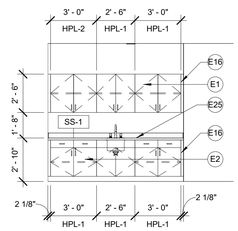
22 A221 COPY 111 - NORTH VIEW
1/4" = 1'-0"



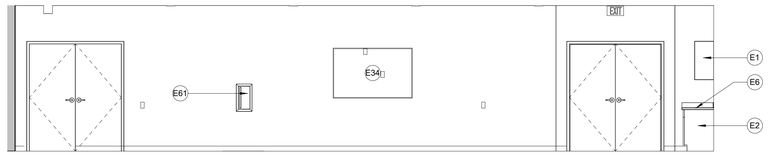
23 A221 COPY 111 - EAST VIEW
1/4" = 1'-0"



24 A221 COPY 111 - WEST VIEW
1/4" = 1'-0"



25 A221 CONFERENCE 116 - SOUTH VIEW
1/4" = 1'-0"



26 A221 MEETING ROOM 123 - WEST VIEW
1/4" = 1'-0"

9/19/2025 2:45:25 PM

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WCFPD Station 1
Wright City Fire Protection District
60 Bell Road
Wright City, MO 63390

Revisions:

No:	Date:	Description:
1	2025-09-15	ADD. NO. 1
2	2025-09-19	ADD NO. 2

Sheet Info:

INTERIOR ELEVATIONS

Drawn By:	SE/Coady
Checked By:	DGC
Commission:	025-2125
Date:	2025-09-05

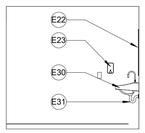
A221

INTERIOR ELEVATION GENERAL NOTES

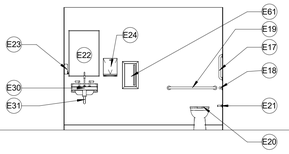
1. ALL WORK SHALL BE DONE IN ACCORDANCE WITH ALL FEDERAL, STATE AND LOCAL CODES, LAWS AND REGULATIONS.
2. CONTRACTOR TO FIELD VERIFY ALL DIMENSIONS PRIOR TO ANY FABRICATION OF MILLWORK. ANY DISCREPANCIES ARE TO BE REPORTED TO THE ARCHITECT.
3. ALL MILLWORK TO BE AWI "CUSTOM" GRADE.
4. ALL BASE/WALL CABINETS TO HAVE PLASTIC LAMINATE FINISH UNLESS NOTED OTHERWISE. REFER TO ROOM FINISH SCHEDULE FOR COUNTERTOP FINISH.
5. ALL FILE CABINETS ARE TO ACCOMMODATE FILE SIZE HANGING FILES. HANGING FILE RACK IS TO BE BUILT-IN.
6. ALL OUTSIDE CORNERS OF COUNTERTOPS TO HAVE A 2" RADIUS.
7. ALL BASE CABINETS AND KNEE SPACES TO HAVE VINYL BASE. PROVIDE SOLID BACKING AS REQUIRED.
8. ALL BASE CABINETS TO HAVE ONE ADJUSTABLE SHELF AND ALL WALL CABINETS TO HAVE TWO ADJUSTABLE SHELVES UNLESS NOTED OTHERWISE.
9. ALL CABINETS TO HAVE 4" WIRE PULLS.
10. PROVIDE A 3" DIA. GROMMET WITH PLASTIC INSERT AT EACH WORK SPACE / KNEE SPACE.
11. ALL OWNER PROVIDED ACCESSORIES ARE TO BE INSTALLED BY THE CONTRACTOR.
12. THE CONTRACTOR SHALL PROVIDE FIRE RETARDANT WOOD OR HEAVY GAUGE SHEET METAL BLOCKING FOR THE INSTALLATION OF ALL MILLWORK, TOILET ACCESSORIES, HANDRAILS, ETC. AS REQUIRED.
13. PROVIDE MOLDED VINYL PIPE COVERS ON ALL EXPOSED PLUMBING AT WALL SINKS.
14. ALL COUNTERTOP SUPPORT BRACKETS TO BE PAINTED TO MATCH THE WALL COLOR UNLESS OTHERWISE NOTED.
15. OWNER PROVIDED SOAP DISPENSERS ARE TO BE INSTALLED BY THE CONTRACTOR. PROVIDE A SOAP DISPENSER AND PAPER TOWEL DISPENSER AT ALL SINKS. OTHER OWNER PROVIDED, CONTRACTOR INSTALLED ITEMS INCLUDE SHARPS CONTAINERS, PURELL DISPENSERS AND OTOSCOPES.
16. ALL COUNTERTOPS ARE TO HAVE SELF EDGE WITH COVER BACKSPLASH/ENDSPLASH.
17. REFER TO SHEET A561 FOR CASEWORK DETAILS.
18. ALL CABINET DOORS AND DRAWERS TO BE "SOFT CLOSE".

INTERIOR ELEVATION KEYED NOTES

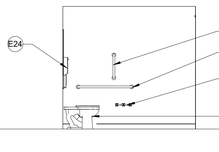
E1		PLASTIC LAMINATE WALL CABINETS.
E2		PLASTIC LAMINATE BASE CABINETS.
E3	1	DISHWASHER. REFER TO EQUIPMENT SCHEDULE.
E4		SOLID SURFACE COUNTERTOP/BACKSPLASH WITH UNDERMOUNT SINK REFER. TO PLUMBING DOCUMENTS.
E5		RANGE. REFER TO EQUIPMENT SCHEDULE.
E6		SOLID SURFACE COUNTERTOP.
E7		FINISHED END.
E8		REFRIGERATOR. REFER TO EQUIPMENT SCHEDULE.
E9		MICROWAVE SHELF
E10		MULTIFUNCTION DEVICE. N.I.C.
E11		INSTALL WALL BLOCKING FOR FUTRE ADA SHOWER HEAD/SLID BAR.
E12		INSTALL WALL BLOCKING FOR FUTURE INSTALLATION OF GRAB BAR. REFER TO ADA TOILET ___ ELELVATIONS FOR ACCESSIBLE GRAB BAR LENGTH/LOCATION.
E13		SHOWER HEAD AND CONTROL. REFER TO PLUMBING DOCUMENTS.
E14		18" DEEP SOLID SURFACE COUNTER.
E15		SINK APRON. REFER TO DETAIL 27/A221.
E16		FILLER PANEL. TYPICAL
E17		18" GRAB BAR. BOBRICK B6806.99 OR EQUAL.
E18		42" GRAB BAR. BOBRICK B6806.99 OR EQUAL.
E19		36" GRAB BAR. BOBRICK B6806.99 OR EQUAL.
E20		ACCESSIBLE WATER CLOSET. REFER TO PLUMBING DOCUMENTS.
E21		TOILET PAPER DISPENSER - BOBRICK B-6867 OR EQUAL.
E22		MIRROR - 24" X 36" BOBRICK B165 OR EQUAL.
E23		SOAP DISPENSER - GLOBAL INDUSTRIAL GOJO FMX-12 (5150-06) OR EQUAL.
E24		SURFACE MOUNTED ACCESSIBLE HEIGHT PAPER TOWEL DISPENSER. BOBRICK B262 OR EQUAL.
E25		SOLID SURFACE COUNTERTOP WITH UNDERMOUNT BOWL REFER TO 12/A223 AND PLUMBING DOCUMENTS.
E26		30" GRAB BAR. BOBRICK B6806.99 OR EQUAL. CENTER ON SHOWER WALL.
E27	1	PROVIDE BLOCKING FOR FUTURE ACCESSIBLE SHOWER CONTROLS/HEAD ASSEMBLY. REFER TO PLUMBING DOCUMENTS.
E28	2	SOLID SURFACE WALL PANELS IN SHOWER (ALL WALLS). PROVIDE (1) SWAN RS02215.010 OR EQUAL (WHITE) RECESSED SHOWER CADDY IN EACH SHOWER. COORDINATE FINAL LOCATION.
E29		48" GRAB BAR. BOBRICK B6806.99 OR EQUAL. CENTER ON WALL.
E30		ACCESSIBLE WALL HUNG SINK. REFER TO PLUMBING DOCUMENTS.
E31		INSULATING PIPE COVERINGS
E32		STAINLESS STEEL COUNTERTOP.
E33		SOLID SURFACE COUNTERTOP.
E34		TV. PROVIDE BLOCKING FOR MOUNT. VERIFY FINAL LOCATION WITH OWNER.
E35	1	PLASTIC LAMINATE FINISHED END PANEL.
E36	2	BULLET RESISTANT HOLE AND BACKER TRANSACTION WINDOW WITH NON-RATED SLIP TUBE FRAME LINED WITH LEVEL 3 FIBERGLASS AND RATED CURRENCY TRAY.
E38		WASHER. REFER TO EQUIPMENT SCHEDULE.
E39		DRYER. REFER TO EQUIPMENT SCHEDULE.
E40		WATER CLOSET. REFER TO PLUMBING DOCUMENTS.
E41		PROVIDE BLOCKING FOR ACCESSIBLE SHOWER CONTROLS/HEAD ASSEMBLY. REFER TO PLUMBING DOCUMENTS.
E43	2	INSTALL WALL BLOCKING FOR FUTURE INSTALLATION OF GRAB BARS.
E47		RAKKS 18"X18" EH COUNTER SUPPORT BRACKET FOR COUNTERTOPS 18"-25" AND EH1212 FOR COUNTERTOPS UP TO 18" OR APPROVED EQUAL. (OFF-WHITE)
E48	2	SOLID SURFACE COUNTERTOP WITH UNDERMOUNT BOWL AND PLASTIC LAMINATE APRON. REFER TO 4/A222. (ROUGH IN TO ACCOMMODATE FUTRE ADA COMPLIANT SINK)
E49		ELECTRIC WATER COOLER WITH BOTTLE FILLER. REFER TO PLUMBING DOCUMENTS.
E50		METAL BASE CABINETS (36" WIDE). GLOBAL INDUSTRIAL WB269873GY OR EQUAL.
E53		24" DEEP LAMINATE CABINET WITH 5 ADJUSTABLE SHELVES.
E54		SOLID SURFACE WINDOW SILL AT ALL WINDOWS. (1 " THICK. EXTEND 1/2" BEYOND WINDOW JAMB.)
E55		CUSTOM BUILT 24" DEEP LAMINATE WARDROBE CABINET WITH SHELF, CLOTHES ROD AND 2 DRAWERS. ALL EXPOSED SURFACES TO BE PLASTIC LAMINATE. INTERIOR TO BE WHITE MELAMINE. REFER TO CASEWORK DETALS AND EQUIPMENT PLAN. 1 WARDROBE CABINETS TO BE LOCKABLE.
E56		REFRIGERATOR. REFER TO EQUIPMENT SCHEDULE.
E57		ARCHITECTURAL WOOD BASE AND WALL CABINETS.
E59		PLASTIC LAMINATE COUNTERTOP.
E60		CUSTOM BUILT22.5" DEEP PLASTIC LAMINATE NIGHT STAND TO MATCH WARDROBES.
E61		SEMI-RECESSED FIRE EXTINGUISHER CABINET AND FIRE EXTINGUISHER.
E62		GEAR LOCKER. REFER TO EQUIPMENT SCHEDULE. 1
E63		BED. REFER TO EQUIPMENT PLAN.
E64		PLASTIC LAMINATE PANTRY CABINETS.
E65		MOP SINK.
E66		ROOF ACCESSS LADDER.
E67		PROVIDE END PANEL TO ALLOW FOR REMOVABLE SINK BASE CABINET. EXTEND FLOORING INTO FUTURE KNEE SPACE. FINISH WALLS AND SIDE PANELS IN FUTURE KNEE SPACE. COUNTERTOP TO BE ADJUSTABLE TO 34" IN THE FUTURE.
E68	1	PROVIDE END PANEL TO ALLOW FOR REMOVABLE BASE CABINET. EXTEND FLOORING INTO FUTURE KNEE SPACE. FINISH WALLS AND SIDE PANELS IN FUTURE KNEE SPACE. COUNTERTOP TO BE ADJUSTABLE TO 34" IN THE FUTURE.
E69		NOT USED.
E70		ROBE / COAT HOOK. PROVIDE BLOCKING AS REQUIRED. BOBRICK B6827 OR EQUAL. TYPICAL AT ALL SHOWER LOCATIONS.
E71		INSTALL FRP ON WALLS UP TO 4'-0" AFF AT WALLS ADJACENT TO MOP BASIN. EXTEND 18" BEYOND FRONT FACE OF MOP BASIN.
E72		GYSPUM WALL BOARD SOFFIT WITH RANGE HOOD BELOW. COORDINATE SIZE OF SOFFIT WITH HOOD. REFER TO MECHANICAL DOCUMENTS.
E73		SHOWER ROD AND CURTAIN. TYPICAL AT ALL SHOWERS.



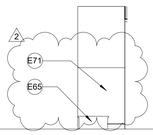
1 A222 STORM SHELTER 157 - SOUTH VIEW
1/4" = 1'-0"



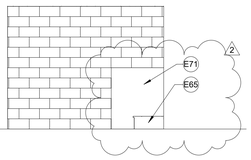
2 A222 STORM SHELTER 157 - WEST VIEW
1/4" = 1'-0"



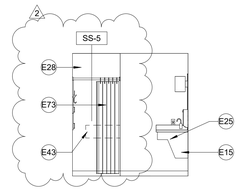
3 A222 STORM SHELTER 158 - NORTH VIEW
1/4" = 1'-0"



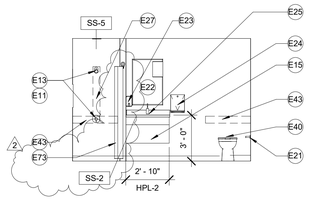
4 A222 JANITOR 140 - WEST WALL
1/4" = 1'-0"



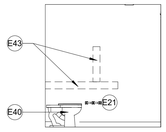
5 A222 JANITOR 140 - SOUTH VIEW
1/4" = 1'-0"



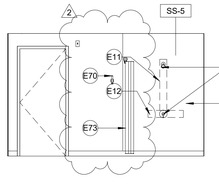
6 A222 ADAPT TOILET 142 - EAST VIEW
1/4" = 1'-0"



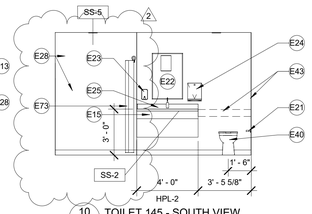
7 A222 ADAPT TOILET 142 - SOUTH VIEW
1/4" = 1'-0"



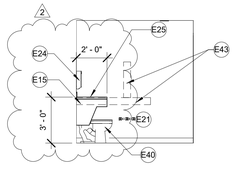
8 A222 ADAPT TOILET 142 - WEST VIEW
1/4" = 1'-0"



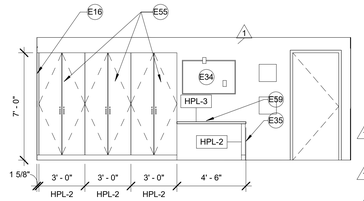
9 A222 TOILET 145 - NORTH VIEW
1/4" = 1'-0"



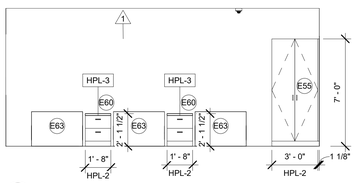
10 A222 TOILET 145 - SOUTH VIEW
1/4" = 1'-0"



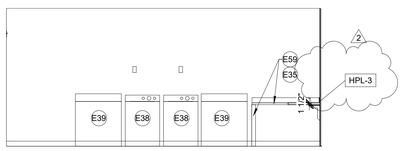
11 A222 TOILET 145 - WEST VIEW
1/4" = 1'-0"



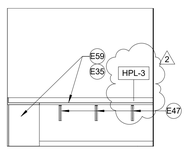
12 A222 BUNK ROOM 146 - SOUTH VIEW
1/4" = 1'-0"



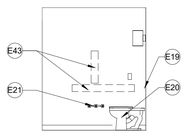
13 A222 BUNK ROOM 146 - NORTH VIEW
1/4" = 1'-0"



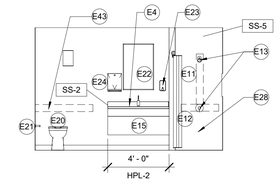
14 A222 LAUNDRY/STORAGE 147 - SOUTH VIEW
1/4" = 1'-0"



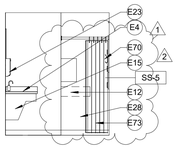
15 A222 LAUNDRY / STORAGE 147 - WEST VIEW
1/4" = 1'-0"



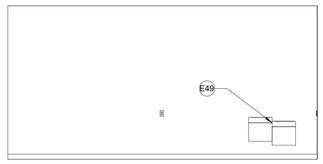
16 A222 TOILET 154 - EAST VIEW
1/4" = 1'-0"



17 A222 TOILET 154 - SOUTH VIEW
1/4" = 1'-0"



18 A222 TOILET 154 - WEST VIEW
1/4" = 1'-0"



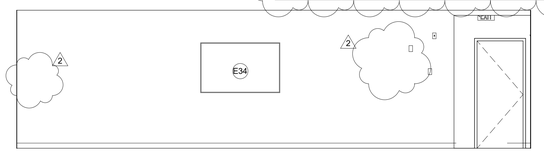
19 A222 WEIGHT ROOM 156 - NORTH VIEW
1/4" = 1'-0"



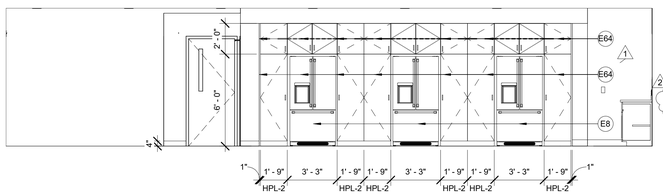
20 A222 WEIGHT ROOM 156 - SOUTH VIEW
1/4" = 1'-0"



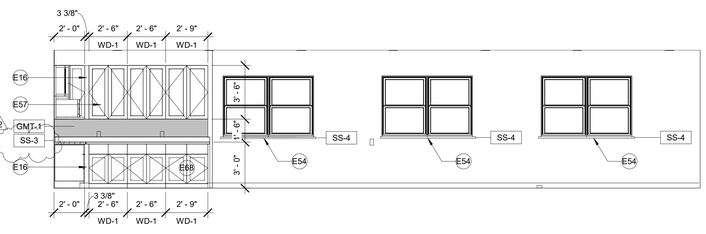
21 A222 WEIGHT ROOM 156 - WEST VIEW
1/4" = 1'-0"



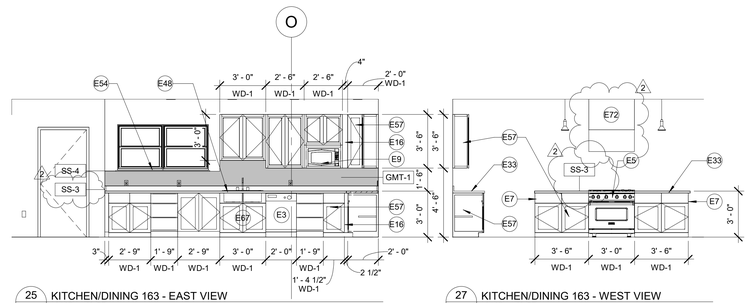
22 A222 DAYROOM 162 - WEST VIEW
1/4" = 1'-0"



24 A222 KITCHEN/DINING 163 - NORTH VIEW
1/4" = 1'-0"



26 A222 KITCHEN/DINING 163 - SOUTH VIEW
1/4" = 1'-0"



25 A222 KITCHEN/DINING 163 - EAST VIEW
1/4" = 1'-0"

27 A222 KITCHEN/DINING 163 - WEST VIEW
1/4" = 1'-0"

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Wright City, MO 63390

Revisions:

No:	Date:	Description:
1	2025-09-15	ADD. NO. 1
2	2025-09-19	ADD NO. 2

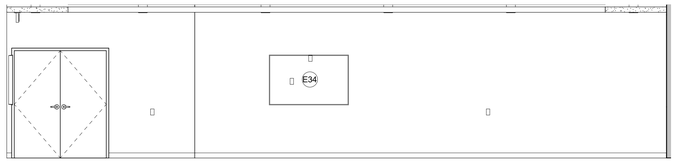
Sheet Info:

INTERIOR ELEVATIONS

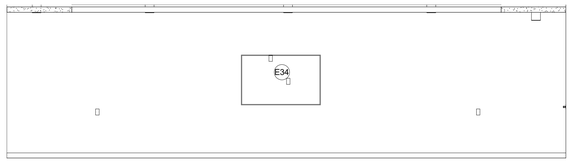
Drawn By:	Author
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Commission:	025-2125
Date:	2025-09-05

A222

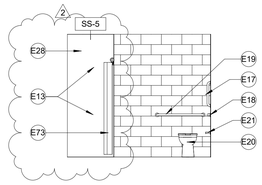
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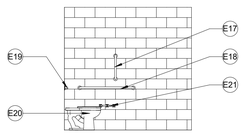
1 A223 MEETING ROOM 123 - EAST VIEW
1/4" = 1'-0"



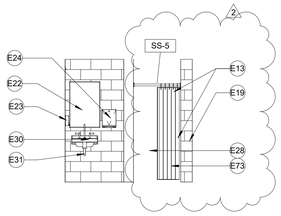
2 A223 MEETING ROOM 123 - SOUTH VIEW
1/4" = 1'-0"



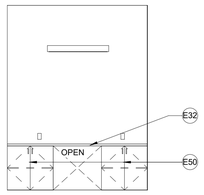
3 A223 TOILET 132A - NORTH VIEW
1/4" = 1'-0"



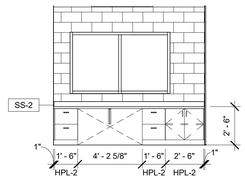
4 A223 TOILET 132A - EAST VIEW
1/4" = 1'-0"



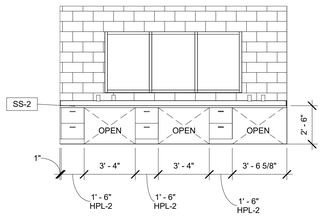
5 A223 TOILET 132A - WEST VIEW
1/4" = 1'-0"



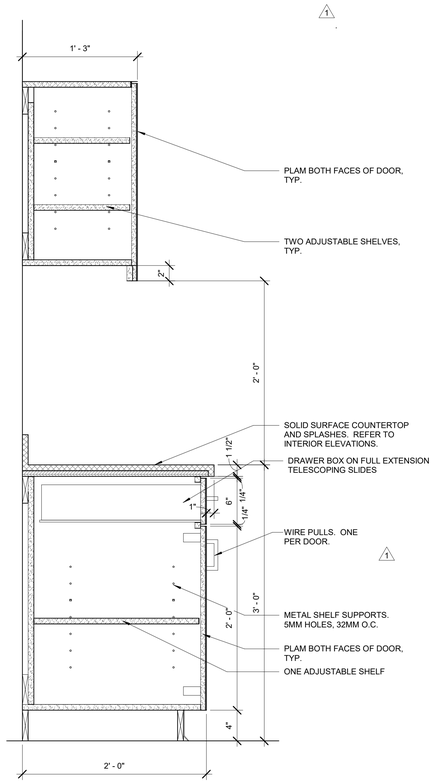
6 A223 TOOL ROOM - NORTH VIEW
1/4" = 1'-0"



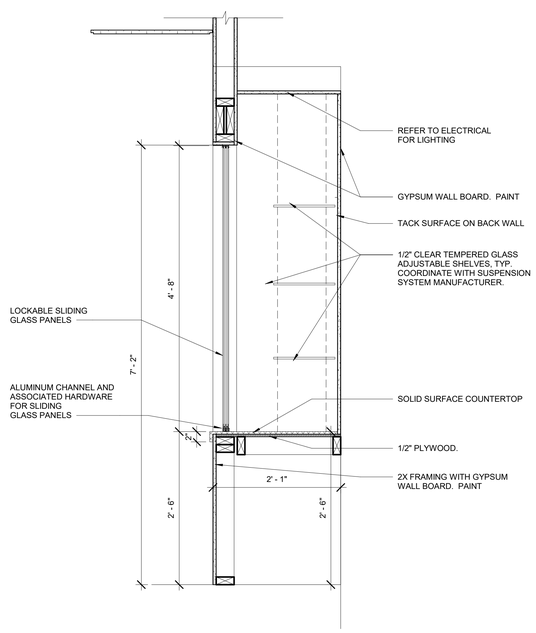
7 A223 CAPTAIN'S OFFICE 159 - WEST VIEW
1/4" = 1'-0"



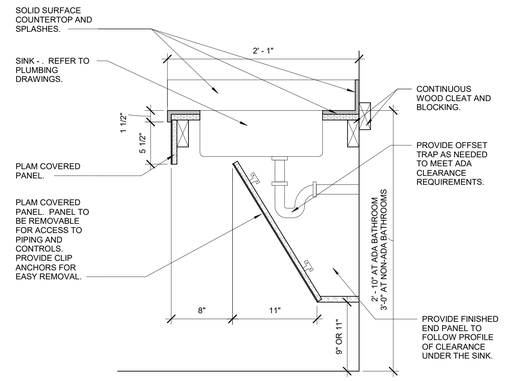
8 A223 WATCH/RADIO ROOM 166 - EAST VIEW
1/4" = 1'-0"



9 A223 TYPICAL CASEWORK
1 1/2" = 1'-0"



10 A223 DISPLAY CASE SECTION/DETAILS
1" = 1'-0"



12 A223 SINK APRON CASEWORK SECTION
1 1/2" = 1'-0"

INTERIOR ELEVATION GENERAL NOTES

1. ALL WORK SHALL BE DONE IN ACCORDANCE WITH ALL FEDERAL, STATE AND LOCAL CODES, LAWS AND REGULATIONS.
2. CONTRACTOR TO FIELD VERIFY ALL DIMENSIONS PRIOR TO ANY FABRICATION OF MILLWORK. ANY DISCREPANCIES ARE TO BE REPORTED TO THE ARCHITECT.
3. ALL MILLWORK TO BE AWI "CUSTOM" GRADE.
4. ALL BASE/WALL CABINETS TO HAVE PLASTIC LAMINATE FINISH UNLESS NOTED OTHERWISE. REFER TO ROOM FINISH SCHEDULE FOR COUNTERTOP FINISH.
5. ALL FILE CABINETS ARE TO ACCOMMODATE FILE SIZE HANGING FILES. HANGING FILE RACK IS TO BE BUILT-IN.
6. ALL OUTSIDE CORNERS OF COUNTERTOPS TO HAVE A 2" RADIUS.
7. ALL BASE CABINETS AND KNEE SPACES TO HAVE VINYL BASE. PROVIDE SOLID BACKING AS REQUIRED.
8. ALL BASE CABINETS TO HAVE ONE ADJUSTABLE SHELF AND ALL WALL CABINETS TO HAVE TWO ADJUSTABLE SHELVES UNLESS NOTED OTHERWISE.
9. ALL CABINETS TO HAVE 4" WIRE PULLS.
10. PROVIDE A 3" DIA. GROMMET WITH PLASTIC INSERT AT EACH WORK SPACE / KNEE SPACE.
11. ALL OWNER PROVIDED ACCESSORIES ARE TO BE INSTALLED BY THE CONTRACTOR.
12. THE CONTRACTOR SHALL PROVIDE FIRE RETARDANT WOOD OR HEAVY GAUGE SHEET METAL BLOCKING FOR THE INSTALLATION OF ALL MILLWORK, TOILET ACCESSORIES, HANDRAILS, ETC. AS REQUIRED.
13. PROVIDE MOLDED VINYL PIPE COVERS ON ALL EXPOSED PLUMBING AT WALL SINKS.
14. ALL COUNTERTOP SUPPORT BRACKETS TO BE PAINTED TO MATCH THE WALL COLOR UNLESS OTHERWISE NOTED.
15. OWNER PROVIDED SOAP DISPENSERS ARE TO BE INSTALLED BY THE CONTRACTOR. PROVIDE A SOAP DISPENSER AND PAPER TOWEL DISPENSER AT ALL SINKS. OTHER OWNER PROVIDED, CONTRACTOR INSTALLED ITEMS INCLUDE SHARPS CONTAINERS, PURELL DISPENSERS AND OTOSCOPES.
16. ALL COUNTERTOPS ARE TO HAVE SELF EDGE WITH COVER BACKSPLASH/ENDSPLASH.
17. REFER TO SHEET A561 FOR CASEWORK DETAILS.
18. ALL CABINET DOORS AND DRAWERS TO BE "SOFT CLOSE".

INTERIOR ELEVATION KEYED NOTES

E1		PLASTIC LAMINATE WALL CABINETS.
E2		PLASTIC LAMINATE BASE CABINETS.
E3		DISHWASHER. REFER TO EQUIPMENT SCHEDULE.
E4	1	SOLID SURFACE COUNTERTOP/BACKSPLASH WITH UNDERMOUNT SINK REFER. TO PLUMBING DOCUMENTS.
E5		RANGE. REFER TO EQUIPMENT SCHEDULE.
E6		SOLID SURFACE COUNTERTOP.
E7		FINISHED END.
E8		REFRIGERATOR. REFER TO EQUIPMENT SCHEDULE.
E9		MICROWAVE SHELF
E10		MULTIFUNCTION DEVICE. N.I.C.
E11		INSTALL WALL BLOCKING FOR FUTRE ADA SHOWER HEAD/SLID BAR.
E12		INSTALL WALL BLOCKING FOR FUTURE INSTALLATION OF GRAB BAR. REFER TO ADA TOILET ____ ELELVATIONS FOR ACCESSIBLE GRAB BAR LENGTH/LOCATION.
E13		SHOWER HEAD AND CONTROL. REFER TO PLUMBING DOCUMENTS.
E14		18" DEEP SOLID SURFACE COUNTER.
E15		SINK APRON. REFER TO DETAIL 27/A221.
E16		FILLER PANEL. TYPICAL.
E17		18" GRAB BAR. BOBRICK B6806.99 OR EQUAL.
E18		42" GRAB BAR. BOBRICK B6806.99 OR EQUAL.
E19		36" GRAB BAR. BOBRICK B6806.99 OR EQUAL.
E20		ACCESSIBLE WATER CLOSET. REFER TO PLUMBING DOCUMENTS.
E21		TOILET PAPER DISPENSER - BOBRICK B-6867 OR EQUAL.
E22		MIRROR - 24" X 36" BOBRICK B165 OR EQUAL
E23		SOAP DISPENSER - GLOBAL INDUSTRIAL GOJO FMX-12 (5150-06) OR EQUAL.
E24		SURFACE MOUNTED ACCESSIBLE HEIGHT PAPER TOWEL DISPENSER. BOBRICK B262 OR EQUAL.
E25	1	SOLID SURFACE COUNTERTOP WITH UNDERMOUNT BOWL REFER TO 12/A223 AND PLUMBING DOCUMENTS.
E26		30" GRAB BAR. BOBRICK B6806.99 OR EQUAL. CENTER ON SHOWER WALL.
E27	1	PROVIDE BLOCKING FOR FUTURE ACCESSIBLE SHOWER CONTROLS/HEAD ASSEMBLY. REFER TO PLUMBING DOCUMENTS.
E28		SOLID SURFACE WALL PANELS IN SHOWER (ALL WALLS). PROVIDE (1) SWAN RS02215.010 OR EQUAL (WHITE) RECESSED SHOWER CADDY IN EACH SHOWER. COORDINATE FINAL LOCATION.
E29		48" GRAB BAR. BOBRICK B6806.99 OR EQUAL. CENTER ON WALL.
E30		ACCESSIBLE WALL HUNG SINK. REFER TO PLUMBING DOCUMENTS.
E31		INSULATING PIPE COVERINGS
E32		STAINLESS STEEL COUNTERTOP.
E33		SOLID SURFACE COUNTERTOP.
E34	1	TV. PROVIDE BLOCKING FOR MOUNT. VERIFY FINAL LOCATION WITH OWNER.
E35	1	PLASTIC LAMINATE FINISHED END PANEL.
E36	2	BULLET RESISTANT HOLE AND BACKER TRANSACTION WINDOW WITH NON-RATED SLIP TUBE FRAME LINED WITH LEVEL 3 FIBERGLASS AND RATED CURRENCY TRAY.
E38		WASHER. REFER TO EQUIPMENT SCHEDULE.
E39		DRYER. REFER TO EQUIPMENT SCHEDULE.
E40		WATER CLOSET. REFER TO PLUMBING DOCUMENTS.
E41		PROVIDE BLOCKING FOR ACCESSIBLE SHOWER CONTROLS/HEAD ASSEMBLY. REFER TO PLUMBING DOCUMENTS.
E43		INSTALL WALL BLOCKING FOR FUTURE INSTALLATION OF GRAB BARS.
E47	2	RAKKS 18"X18" EH COUNTER SUPPORT BRACKET FOR COUNTERTOPS 18"-25" AND EH1212 FOR COUNTERTOPS UP TO 18" OR APPROVED EQUAL. (OFF-WHITE)
E48	1	SOLID SURFACE COUNTERTOP WITH UNDERMOUNT BOWL AND PLASTIC LAMINATE APRON. REFER TO 4/A222. (ROUGH IN TO ACCOMMODATE FUTRE ADA COMPLIANT SINK).
E49		ELECTRIC WATER COOLER WITH BOTTLE FILLER. REFER TO PLUMBING DOCUMENTS.
E50	2	METAL BASE CABINETS (36" WIDE). GLOBAL INDUSTRIAL WB269873GY OR EQUAL.
E53		24" DEEP LAMINATE CABINET WITH 5 ADJUSTABLE SHELVES.
E54		SOLID SURFACE WINDOW SILL AT ALL WINDOWS. (1" THICK. EXTEND 1/2" BEYOND WINDOW JAMB.)
E55	1	CUSTOM BUILT 24" DEEP LAMINATE WARDROBE CABINET WITH SHELF, CLOTHES ROD AND 2 DRAWERS. ALL EXPOSED SURFACES TO BE PLASTIC LAMINATE. INTERIOR TO BE WHITE MELAMINE. REFER TO CASEWORK DETALS AND EQUIPMENT PLAN. WARDROBE CABINETS TO BE LOCKABLE.
E56		REFRIGERATOR. REFER TO EQUIPMENT SCHEDULE.
E57		ARCHITECTURAL WOOD BASE AND WALL CABINETS.
E59		PLASTIC LAMINATE COUNTERTOP.
E60		CUSTOM BUILT22.5" DEEP PLASTIC LAMINATE NIGHT STAND TO MATCH WARDROBES.
E61	1	SEMI-RECESSED FIRE EXTINGUISHER CABINET AND FIRE EXTINGUISHER.
E62		GEAR LOCKER. REFER TO EQUIPMENT SCHEDULE.
E63		BED. REFER TO EQUIPMENT PLAN.
E64		PLASTIC LAMINATE PANTRY CABINETS.
E65		MOP SINK.
E66		ROOF ACCESSS LADDER.
E67		PROVIDE END PANEL TO ALLOW FOR REMOVABLE SINK BASE CABINET. EXTEND FLOORING INTO FUTURE KNEE SPACE. FINISH WALLS AND SIDE PANELS IN FUTURE KNEE SPACE. COUNTERTOP TO BE ADJUSTABLE TO 34" IN THE FUTURE.
E68	2/1	PROVIDE END PANEL TO ALLOW FOR REMOVABLE BASE CABINET. EXTEND FLOORING INTO FUTURE KNEE SPACE. FINISH WALLS AND SIDE PANELS IN FUTURE KNEE SPACE. COUNTERTOP TO BE ADJUSTABLE TO 34" IN THE FUTURE.
E69		NOT USED.
E70		ROBE / COAT HOOK. PROVIDE BLOCKING AS REQUIRED. BOBRICK B6827 OR EQUAL. TYPICAL AT ALL SHOWER LOCATIONS.
E71		INSTALL FRP ON WALLS UP TO 4'-0" AFF AT WALLS ADJACENT TO MOP BASIN. EXTEND 18" BEYOND FRONT FACE OF MOP BASIN.
E72		GYSPUM WALL BOARD SOFFIT WITH RANGE HOOD BELOW. COORDINATE SIZE OF SOFFIT WITH HOOD. REFER TO MECHANICAL DOCUMENTS.
E73		SHOWER ROD AND CURTAIN. TYPICAL AT ALL SHOWERS.

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Revisions:

No:	Date:	Description:
1	2025-09-15	ADD. NO. 1
2	2025-09-19	ADD NO. 2

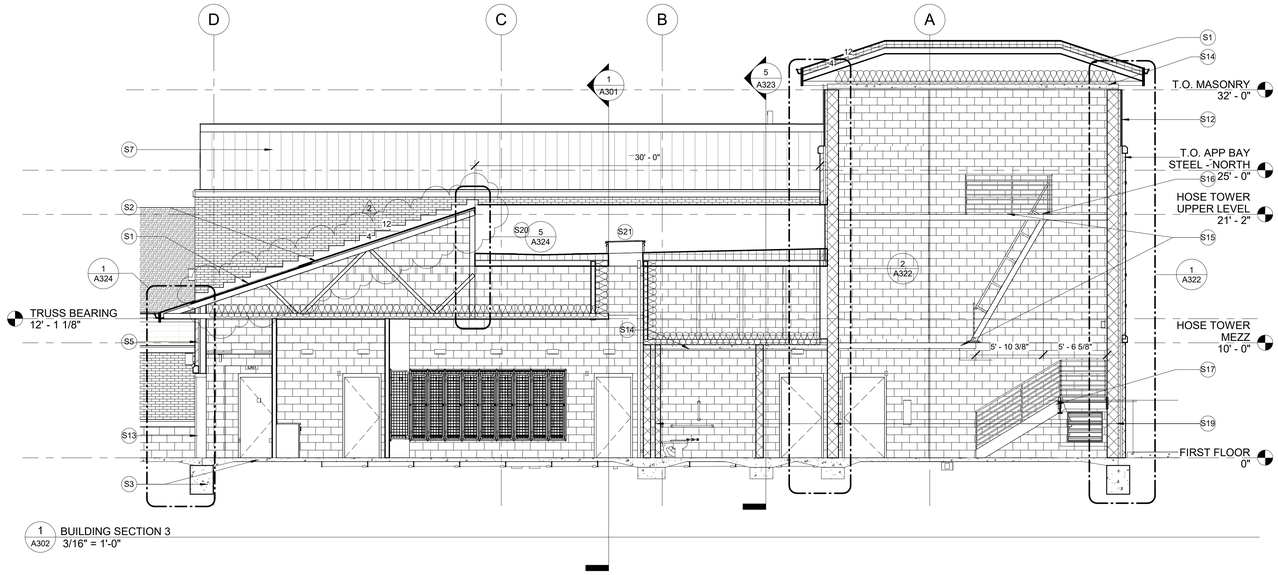
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INTERIOR ELEVATIONS AND DETAILS

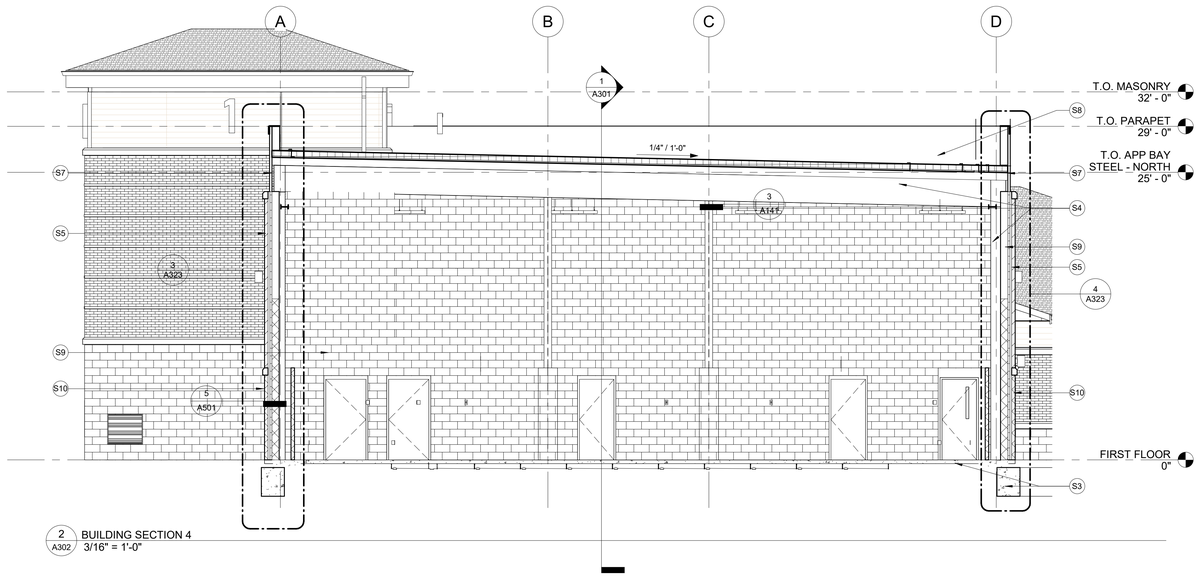
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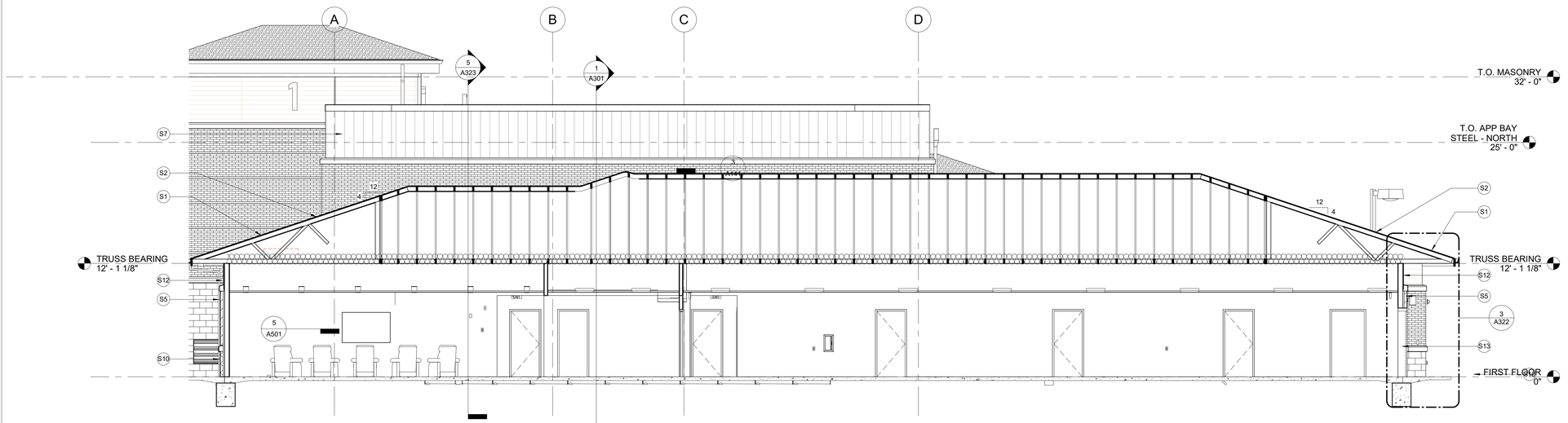
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1 A302 BUILDING SECTION 3
3/16" = 1'-0"



2 A302 BUILDING SECTION 4
3/16" = 1'-0"



3 A302 BUILDING SECTION 5
3/16" = 1'-0"

BUILDING SECTION GENERAL NOTES

1.	ALL WORK SHALL BE DONE IN ACCORDANCE WITH ALL FEDERAL, STATE AND LOCAL CODES, LAWS, AND REGULATIONS.
2.	REFER TO STRUCTURAL, MECHANICAL, ELECTRICAL, PLUMBING AND CIVIL DOCUMENTS FOR ADDITIONAL INFORMATION.
3.	EXTERIOR WALL DIMENSIONS ARE FROM FACE OF MASONRY.
4.	THE PAINTING CONTRACTOR SHALL BE RESPONSIBLE FOR ALL FINAL PAINT AND TOUCH UP WORK WHICH SHALL BE COMPLETED AFTER THE INSTALLATION OF ALL EQUIPMENT.
5.	EACH CONTRACTOR SHALL FOLLOW THE PROGRESS OF THE WORK TO ASSURE THE ACCESSIBILITY AND SAFETY OF EQUIPMENT AND SYSTEMS AND TO PROVIDE FOR THE TIMELY INSTALLATION OF EQUIPMENT, PIPING, ETC.
6.	CONTRACTOR TO COORDINATE WITH THE OWNER FOR THE INSTALLATION OF EQUIPMENT SUPPLIED UNDER A SEPARATE CONTRACTS.

KEYED NOTES - BUILDING SECTIONS

S1	PRE-ENGINEERED WOOD TRUSSES. REFER TO STRUCTURAL DOCUMENTS.
S2	ASPHALT SHINGLES. REFER TO ROOF PLAN.
S3	CONCRETE FOUNDATION AND FLOOR SLAB. REFER TO STRUCTURAL DOCUMENTS.
S4	PRE-ENGINEERED METAL BUILDING. REFER TO STRUCTURAL DOCUMENTS.
S5	BRICK VENEER. REFER TO ELEVATIONS AND WALL SECTIONS.
S6	ALUMINUM STOREFRONT. REFER TO FLOOR PLAN, ELEVATIONS, AND WINDOW TYPES.
S7	INSULATED METAL WALL PANEL. REFER TO EXTERIOR ELEVATIONS AND WALL SECTIONS.
S8	SINGLE-PLY MEMBRANE ROOFING OVER INSULATION AND SLOPED METAL DECK. REFER TO ROOF PLAN.
S9	REINFORCED CMU BACK-UP. REFER TO STRUCTURAL, FLOOR PLAN AND WALL SECTIONS.
S10	SPLIT FACE CMU. REFER TO FLOOR PLAN AND WALL SECTIONS.
S11	WINDOW. REFER TO FLOOR PLAN, ELEVATIONS AND WINDOW TYPES.
S12	LAP SIDING. REFER TO EXTERIOR ELEVATIONS AND WALL SECTIONS.
S13	DOOR. REFER TO FLOOR PLAN AND DOOR TYPES.
S14	STORM SHELTER STRUCTURAL ROOF. REFER TO STRUCTURAL.
S15	MEZZANINE FRAMING. REFER TO FLOOR PLAN AND STRUCTURAL PLANS.
S16	SHIP LADDER. REFER TO FLOOR PLAN AND SPECIFICATIONS.
S17	MEZZANINE STAIR. REFER TO FLOOR PLAN.
S18	2x FRAMING. REFER TO STRUCTURAL.
S19	REINFORCED STORM SHELTER WALLS. REFER TO STRUCTURAL.
S20	SINGLE-PLY MEMBRANE ROOFING OVER TAPERED INSULATION. REFER TO ROOF PLAN.
S21	ROOF HATCH. REFER TO ROOF PLAN.

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Revisions:		
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1	2025-09-15	ADD. NO. 1
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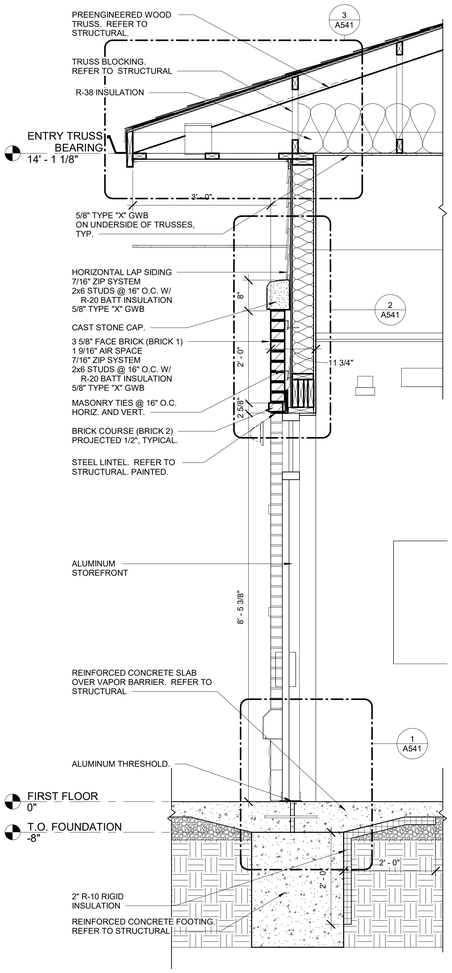
BUILDING SECTIONS

Drawn By:	Author
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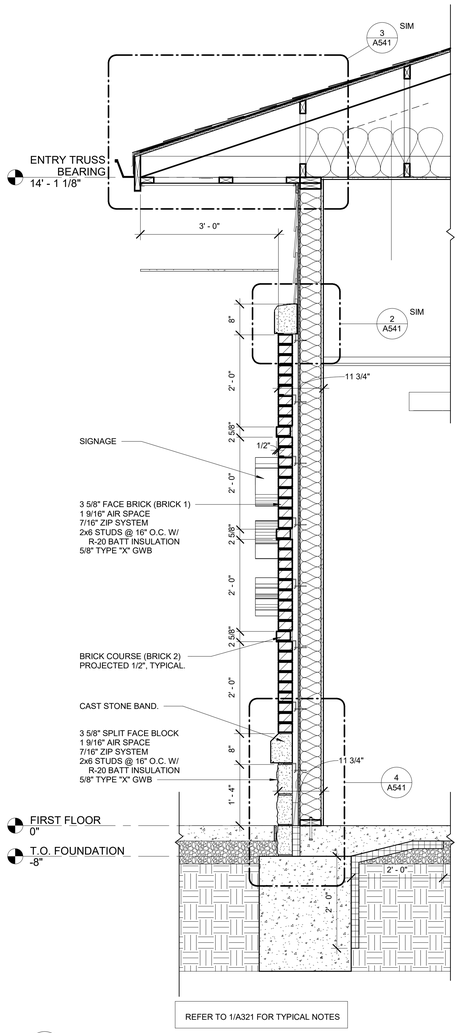
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NOTE: REFER TO STRUCTURAL FOR MASONRY REINFORCEMENT

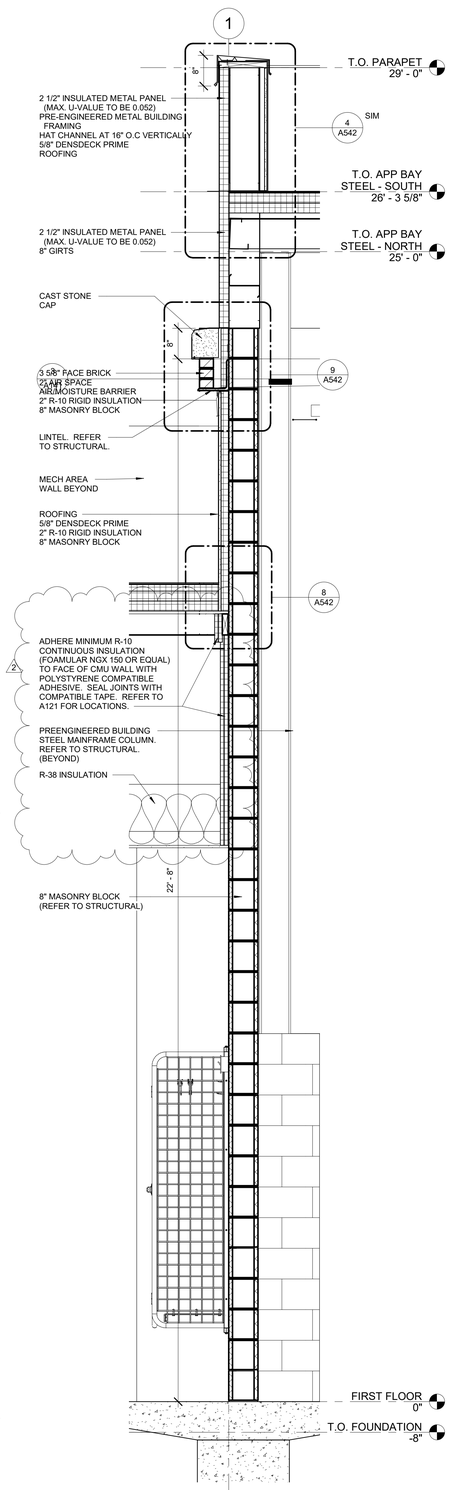


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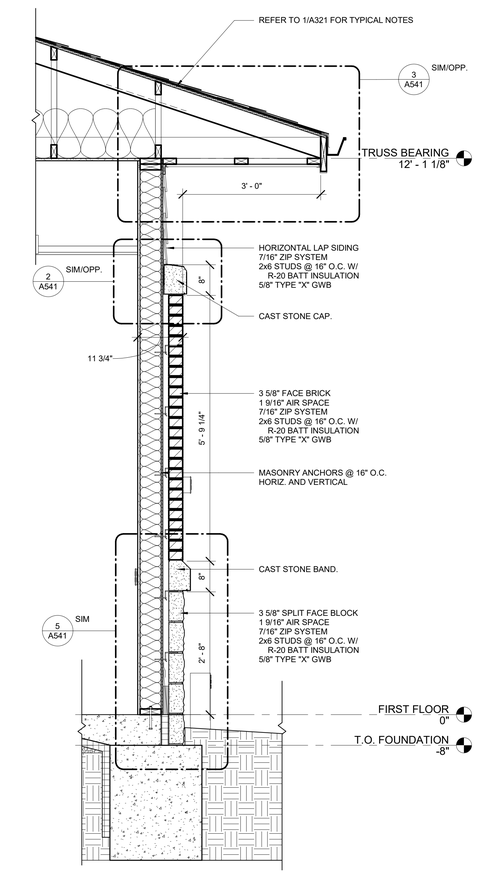


REFER TO 1/A321 FOR TYPICAL NOTES

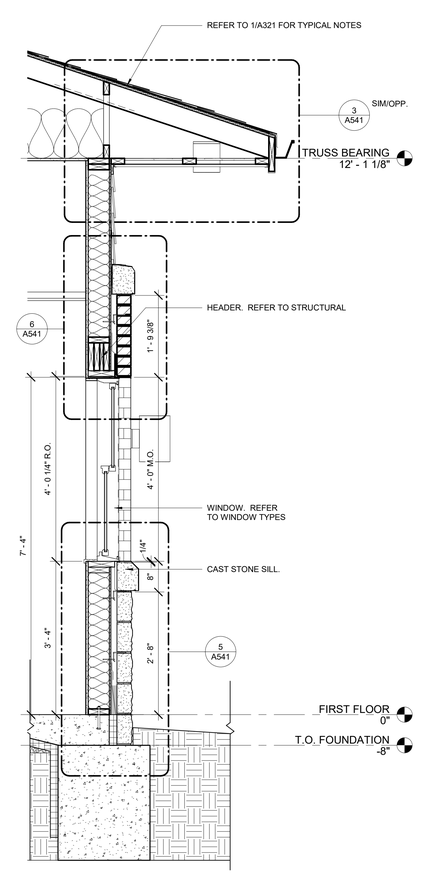
2 WALL SECTION
A321 3/4" = 1'-0"



3 WALL SECTION
A321 3/4" = 1'-0"



4 WALL SECTION
A321 3/4" = 1'-0"



REFER TO 4/A321 FOR TYPICAL NOTES

5 WALL SECTION
A321 3/4" = 1'-0"

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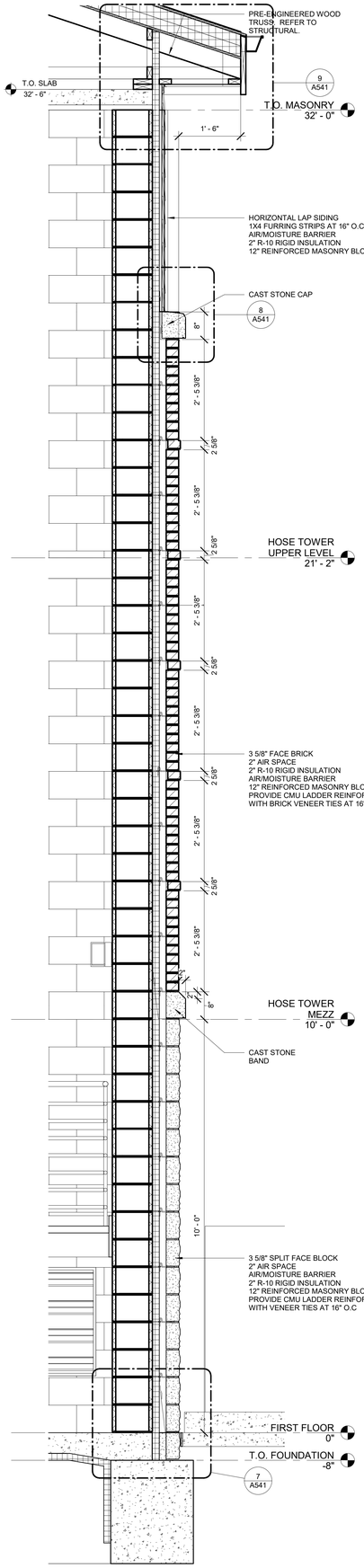
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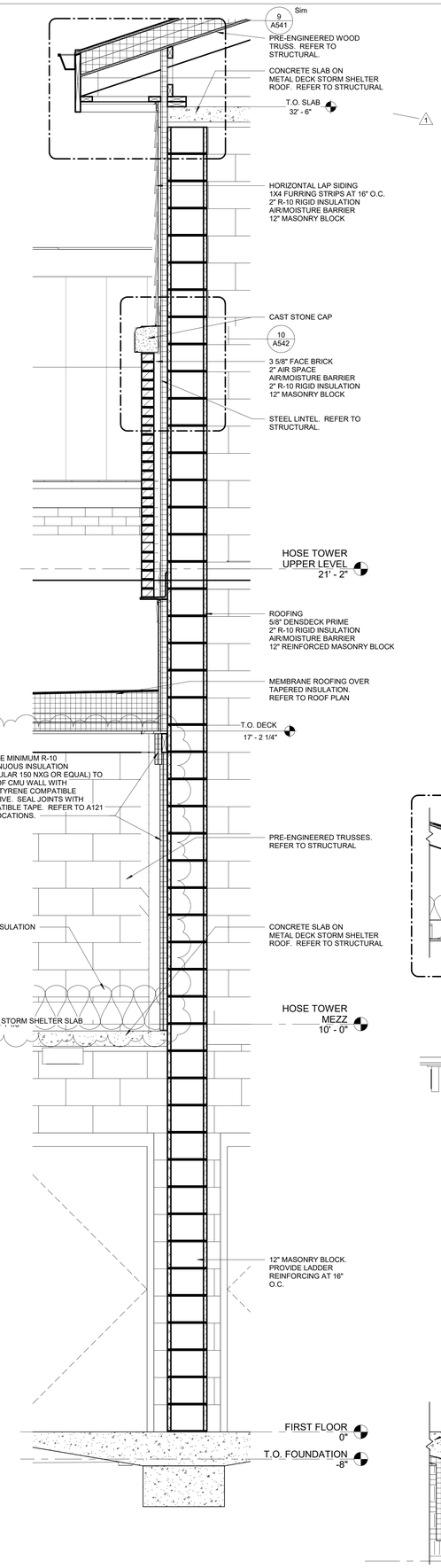
WALL SECTIONS

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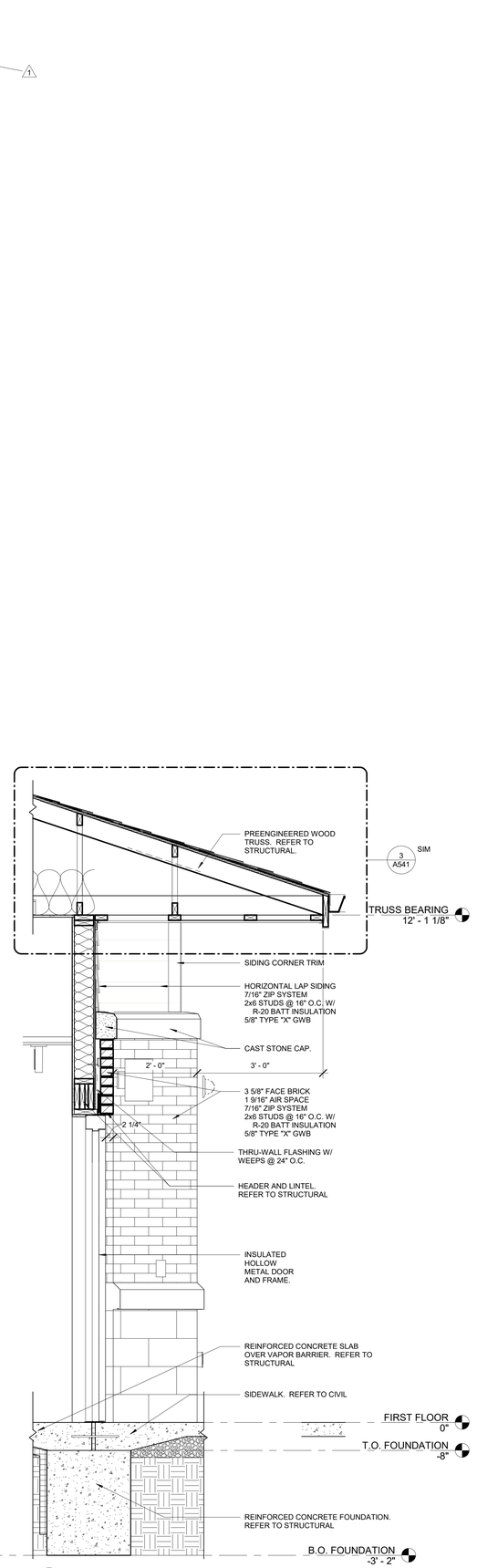
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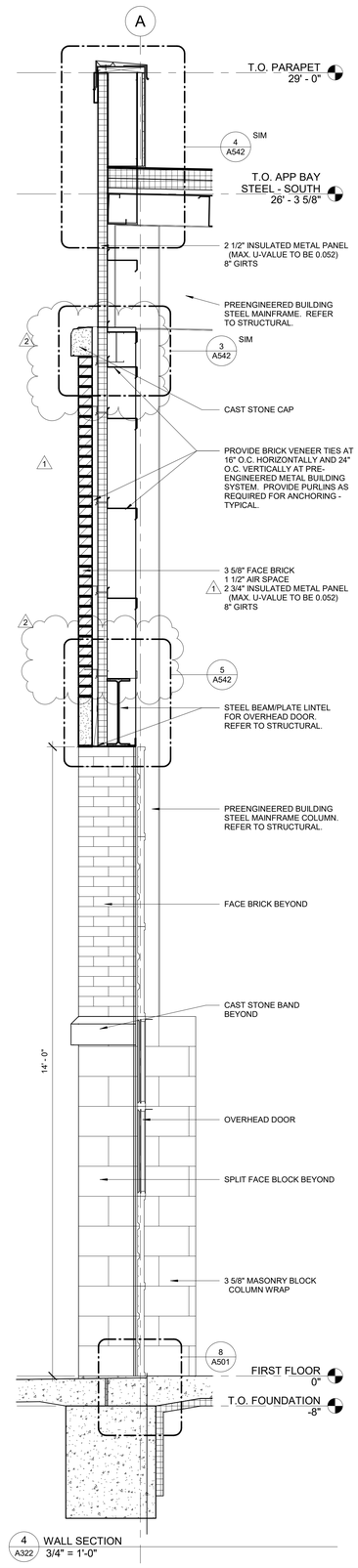
1 A322 WALL SECTION 3/4" = 1'-0"



2 A322 WALL SECTION 3/4" = 1'-0"



3 A322 WALL SECTION 3/4" = 1'-0"



4 A322 WALL SECTION 3/4" = 1'-0"

1

NOTE: REFER TO STRUCTURAL FOR MASONRY REINFORCEMENT. WHERE MASONRY IS OVER PRE-ENGINEERED METAL BUILDING FRAMING, MASONRY TIES SHALL BE ANCHORED BACK THROUGH THE BACKER PANEL TO THE METAL BUILDING FRAMING. METAL BUILDING FRAMING TO BE SPACED TO MEET THE MASONRY TIE SPACING REQUIREMENTS AS NOTED.

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2	2025-09-19	ADD NO. 2

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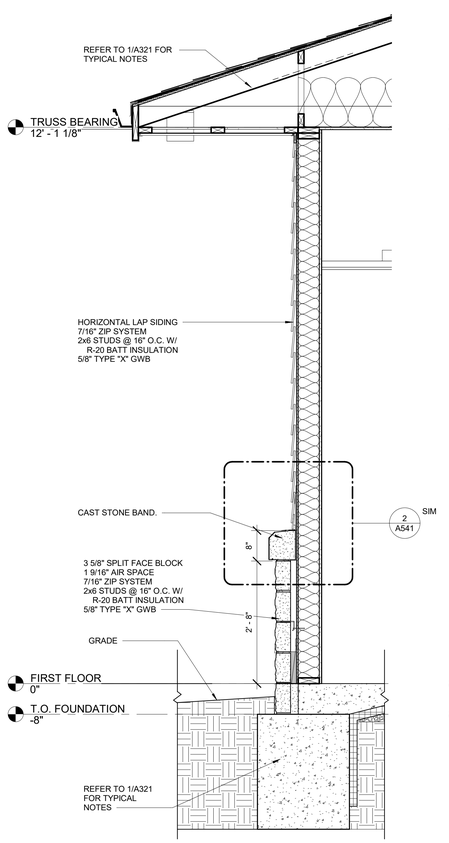
WALL SECTIONS

Drawn By:	Author
Checked By:	Checker
Commission:	025-2125
Date:	2025-09-05

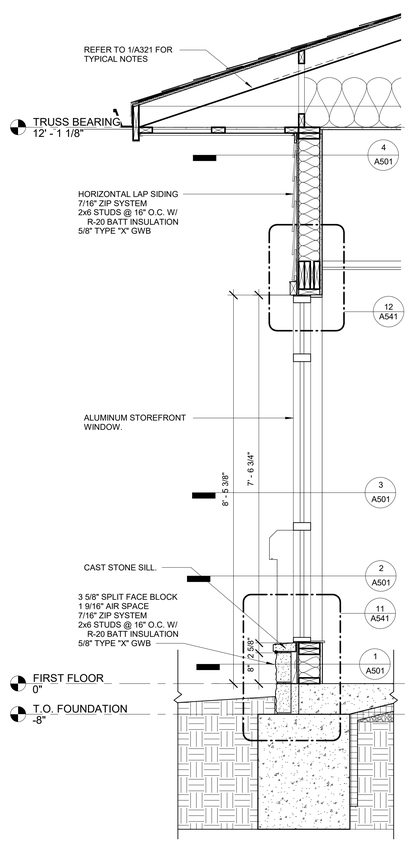
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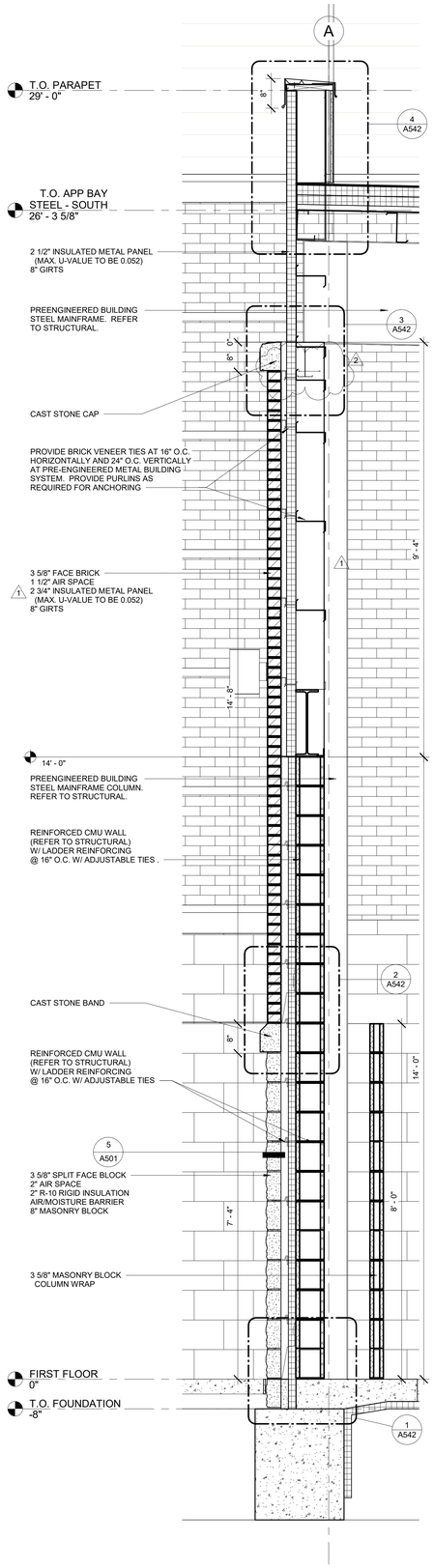
NOTE: REFER TO STRUCTURAL FOR MASONRY REINFORCEMENT. WHERE MASONRY IS OVER PRE-ENGINEERED METAL BUILDING FRAMING, MASONRY TIES SHALL BE ANCHORED BACK THROUGH THE BACKER PANEL TO THE METAL BUILDING FRAMING. METAL BUILDING FRAMING TO BE SPACED TO MEET THE MASONRY TIE SPACING REQUIREMENTS AS NOTED.



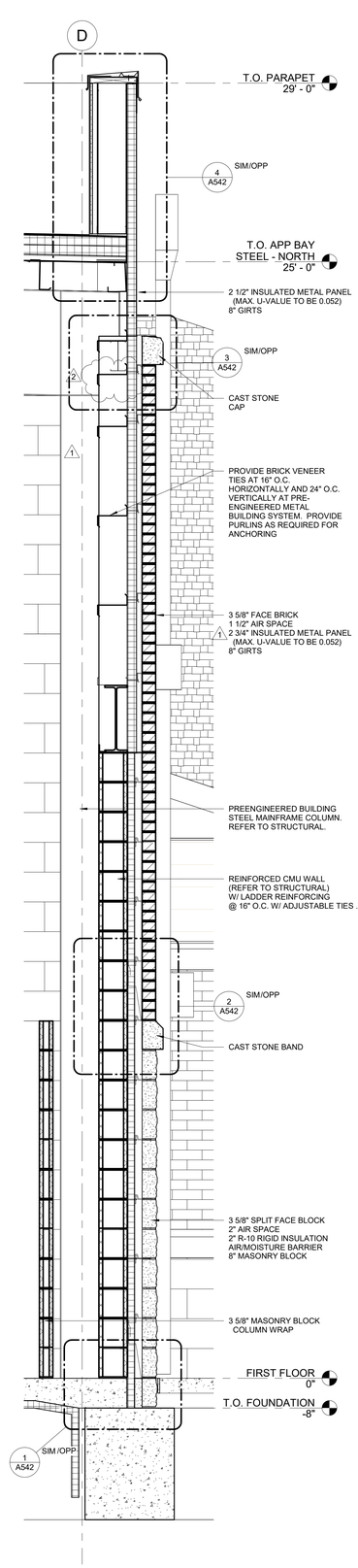
1 A323 WALL SECTION 3/4" = 1'-0"



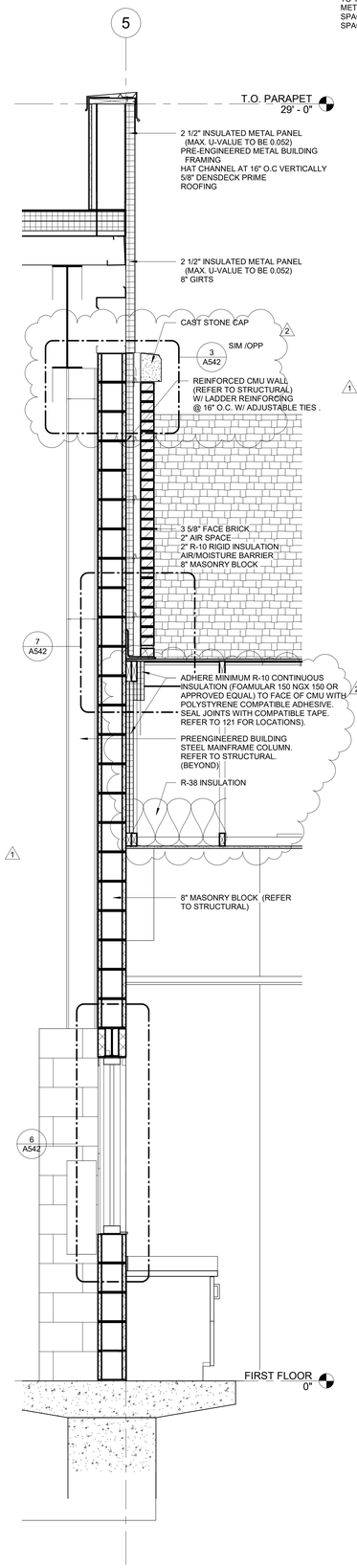
2 A323 WALL SECTION 3/4" = 1'-0"



3 A323 WALL SECTION 3/4" = 1'-0"



4 A323 WALL SECTION 3/4" = 1'-0"



5 A323 WALL SECTION 3/4" = 1'-0"

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Revisions:

No:	Date:	Description:
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2	2025-09-19	ADD NO. 2

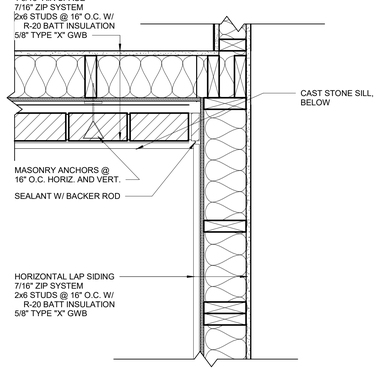
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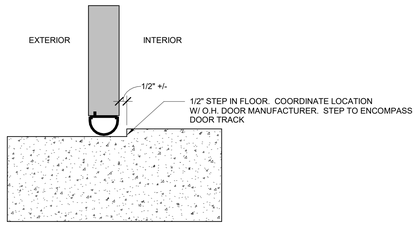
Drawn By:	Author
Checked By:	Checker
Commission:	025-2125
Date:	2025-09-05

A323

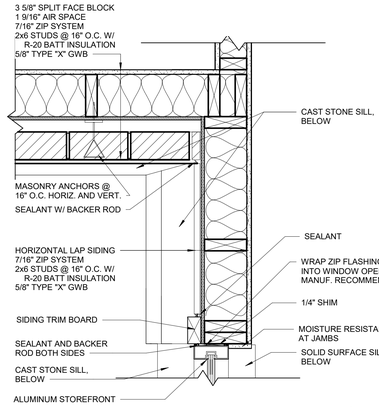
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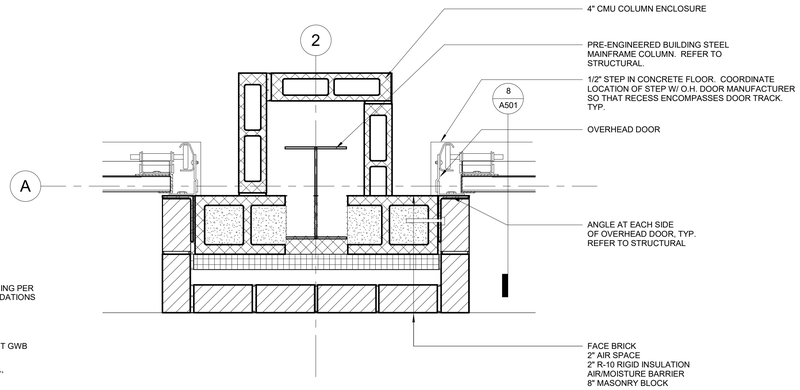
4 A501 PLAN DETAIL
1 1/2" = 1'-0"



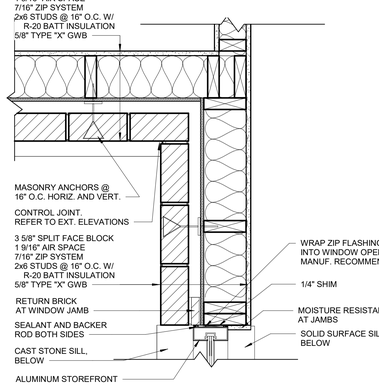
8 A501 OVERHEAD DOOR SILL DETAIL
3" = 1'-0"



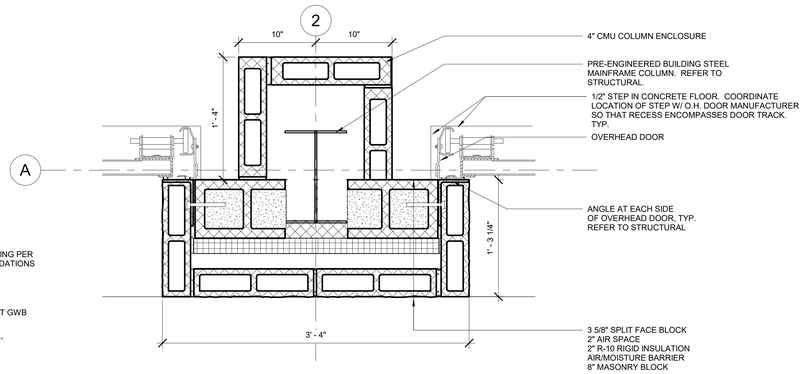
3 A501 PLAN DETAIL
1 1/2" = 1'-0"



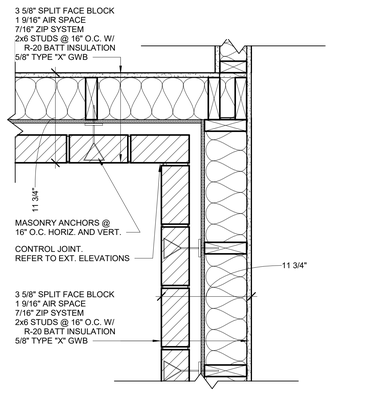
7 A501 OVERHEAD DOOR UPPER PIER DETAIL
1 1/2" = 1'-0"



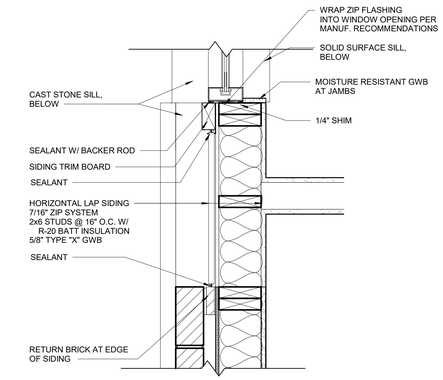
2 A501 PLAN DETAIL
1 1/2" = 1'-0"



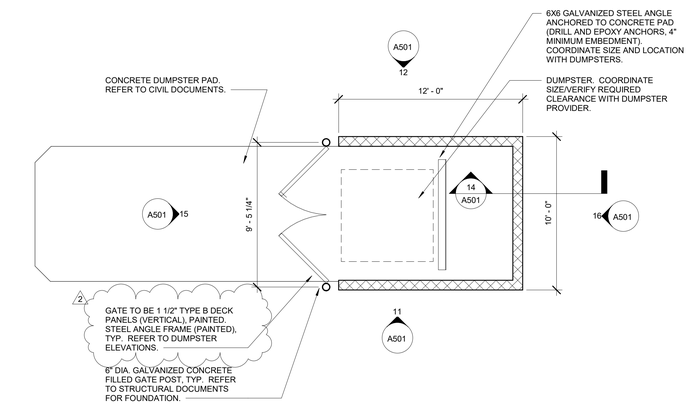
6 A501 OVERHEAD DOOR LOWER PIER DETAIL
1 1/2" = 1'-0"



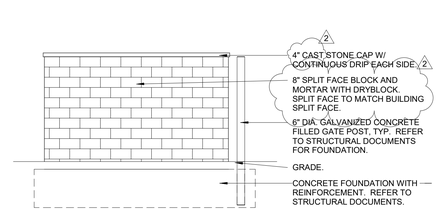
1 A501 PLAN DETAIL
1 1/2" = 1'-0"



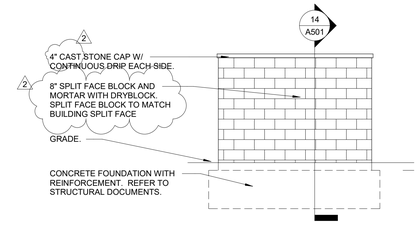
5 A501 PLAN DETAIL 5 - 5/A501
1 1/2" = 1'-0"



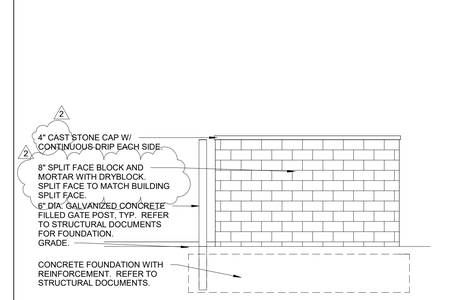
13 A501 DUMPSTER PLAN
1/4" = 1'-0"



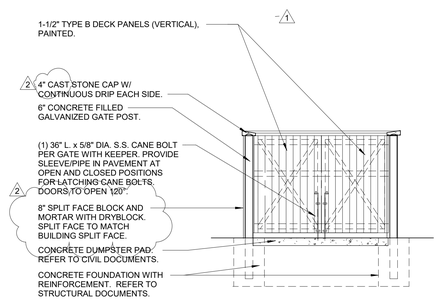
12 A501 DUMPSTER ENCLOSURE ELEVATION - NORTH
1/4" = 1'-0"



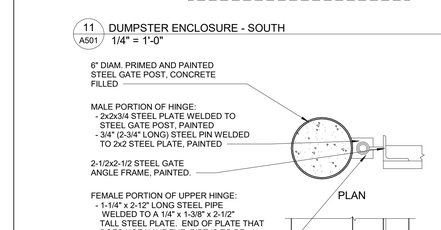
16 A501 DUMPSTER ENCLOSURE - EAST
1/4" = 1'-0"



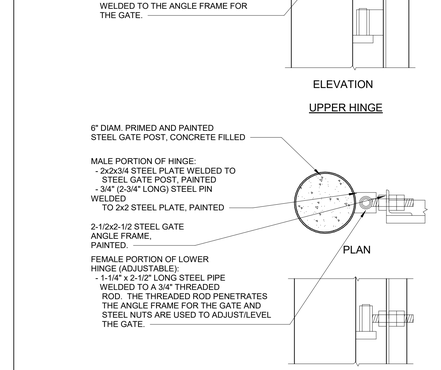
11 A501 DUMPSTER ENCLOSURE - SOUTH
1/4" = 1'-0"



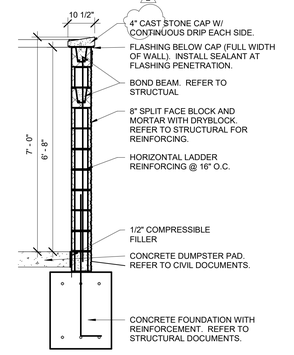
15 A501 DUMPSTER ENCLOSURE - WEST
1/4" = 1'-0"



11 A501 DUMPSTER ENCLOSURE - SOUTH
1/4" = 1'-0"



10 A501 GATE DETAILS
NOT TO SCALE



14 A501 DUMPSTER ENCLOSURE WALL SECTION
1/2" = 1'-0"

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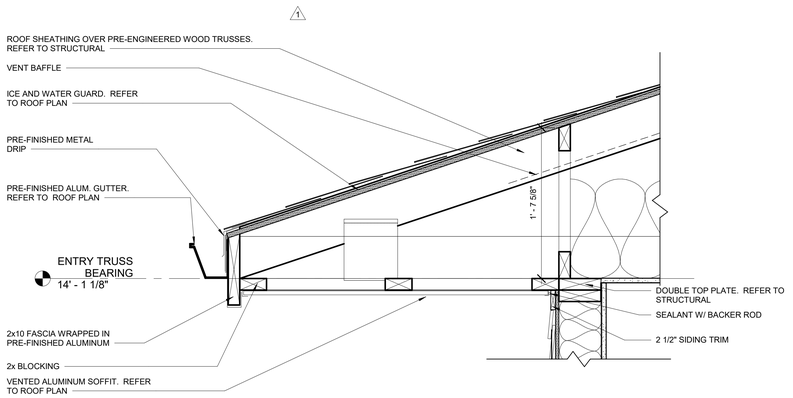
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1	2025-09-15	ADD. NO. 1
2	2025-09-19	ADD NO. 2

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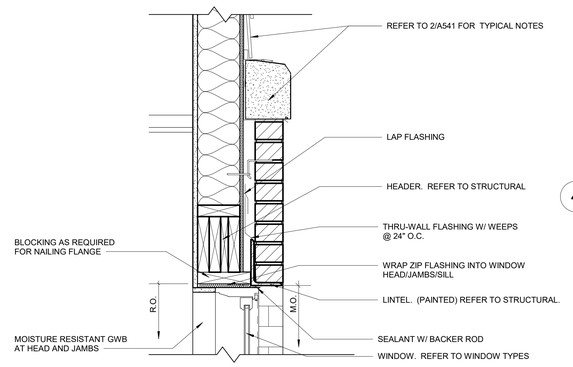
PLAN DETAILS

Drawn By:	Author
Checked By:	Checker
Commission:	025-2125
Date:	2025-09-05

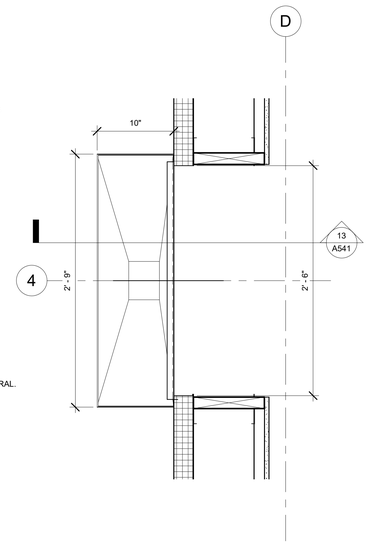
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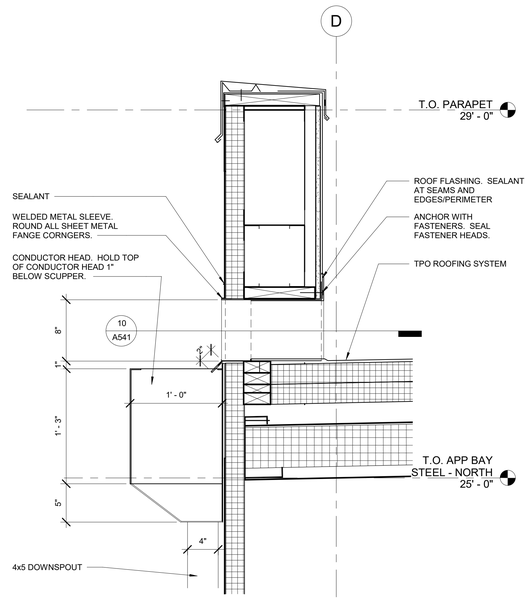
3 A541 SECTION DETAIL
1 1/2" = 1'-0"



6 A541 SECTION DETAIL
1 1/2" = 1'-0"



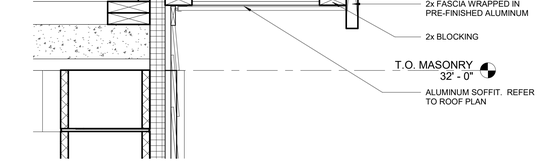
10 A541 SCUPPER PLAN DETAIL
1 1/2" = 1'-0"



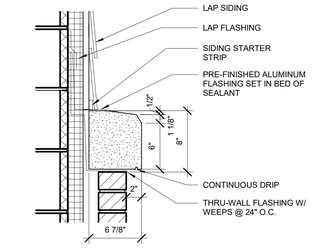
13 A541 SCUPPER SECTION
1 1/2" = 1'-0"

2 A541 SECTION DETAIL
1 1/2" = 1'-0"

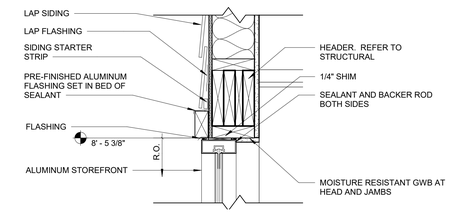
5 A541 SECTION DETAIL
1 1/2" = 1'-0"



9 A541 SECTION DETAIL
1 1/2" = 1'-0"



8 A541 SECTION DETAIL
1 1/2" = 1'-0"



12 A541 SECTION DETAIL
1 1/2" = 1'-0"

1 A541 SECTION DETAIL
1 1/2" = 1'-0"

4 A541 SECTION DETAIL
1 1/2" = 1'-0"

7 A541 SECTION DETAIL
1 1/2" = 1'-0"

11 A541 SECTION DETAIL
1 1/2" = 1'-0"

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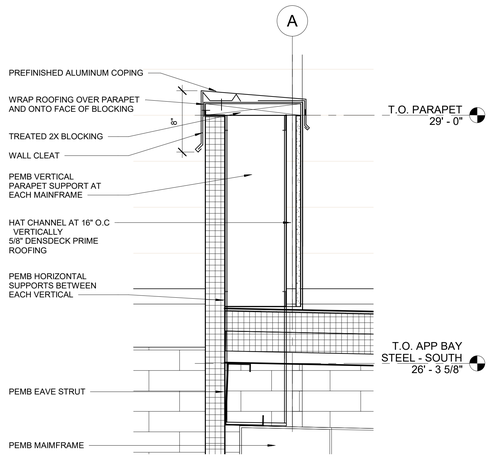
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Revisions:		
No:	Date:	Description:
1	2025-09-15	ADD. NO. 1
2	2025-09-19	ADD NO. 2

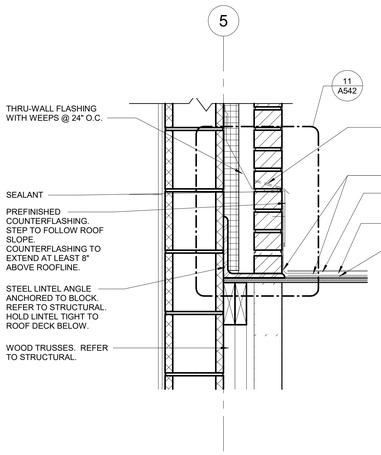
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Drawn By:	Author
Checked By:	DGC
Commission:	025-2125
Date:	2025-09-05

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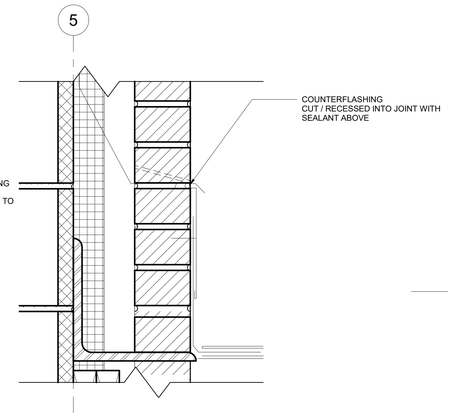
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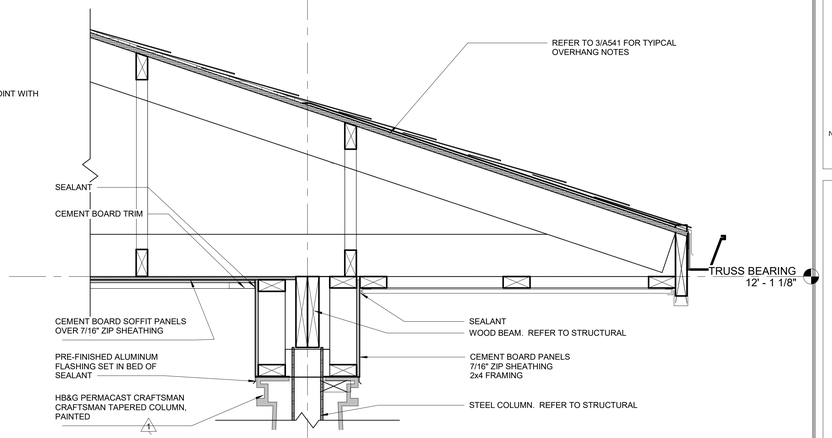
4 / A542 SECTION DETAIL
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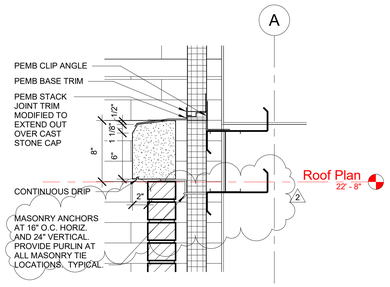
7 / A542 SECTION DETAIL
1 1/2" = 1'-0"



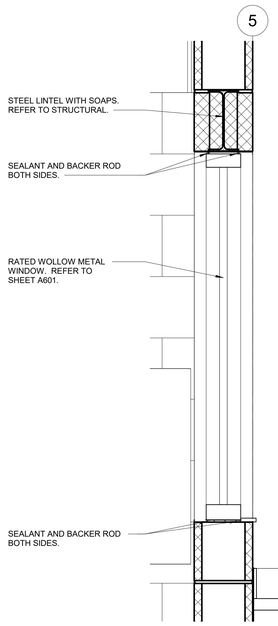
11 / A542 ENLARGED COUNTERFLASHING DETAIL
3" = 1'-0"



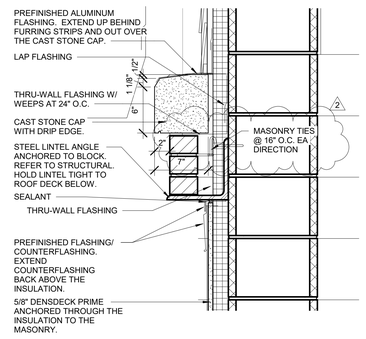
14 / A542 SECTION DETAIL
1 1/2" = 1'-0"



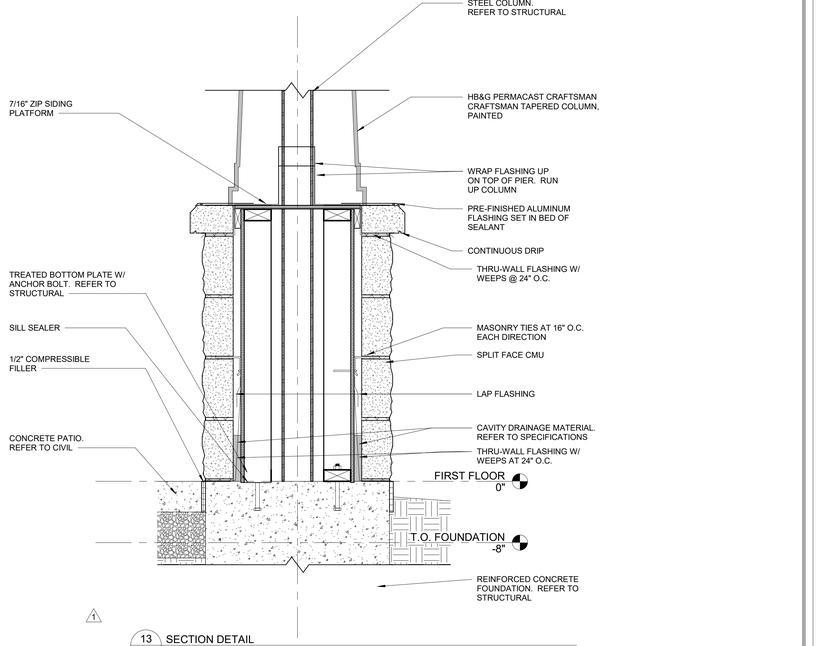
3 / A542 SECTION DETAIL
1 1/2" = 1'-0"



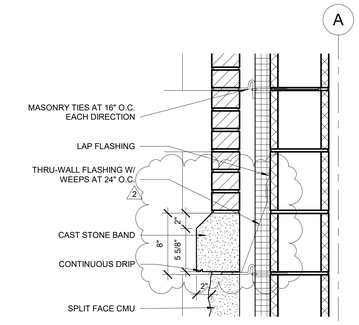
6 / A542 SECTION DETAIL
1 1/2" = 1'-0"



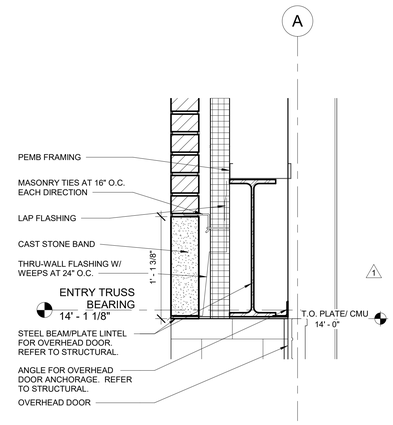
10 / A542 SECTION DETAIL
1 1/2" = 1'-0"

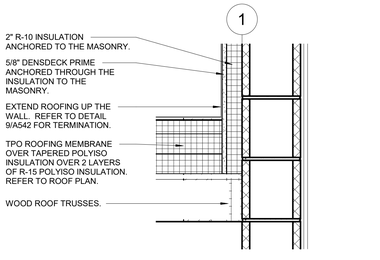


13 / A542 SECTION DETAIL
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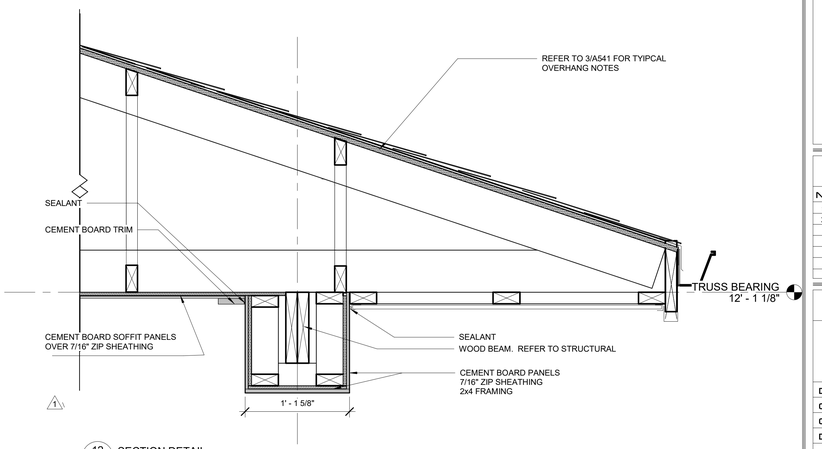


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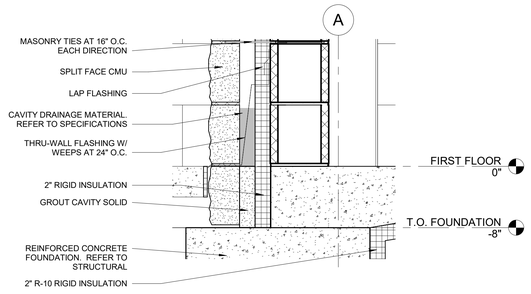




9 / A542 SECTION DETAIL
1 1/2" = 1'-0"



12 / A542 SECTION DETAIL
1 1/2" = 1'-0"



1 / A542 SECTION DETAIL
1 1/2" = 1'-0"

5 / A542 SECTION DETAIL
1 1/2" = 1'-0"

8 / A542 SECTION DETAIL
1 1/2" = 1'-0"

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Revisions:		
No:	Date:	Description:
1	2025-09-15	ADD. NO. 1
2	2025-09-19	ADD NO. 2

Sheet Info:

SECTION DETAILS

Drawn By:	Author
Checked By:	Checker
Commission:	025-2125
Date:	2025-09-05

A542

9/19/2025 2:45:55 PM

DOOR SCHEDULE

DOOR NUMBER	DOOR TYPE	DOOR MATERIAL	DOOR WIDTH	DOOR QUANTITY	DOOR HEIGHT	DOOR THICKNESS	GLASS TYPE	FRAME TYPE	FRAME MATERIAL	FRAME HEAD	FRAME JAMB	FIRE RATING	DOOR HARDWARE	REMARKS
100A	D7	ALUM	6' - 0"	2 - 3' -0"	7' - 0"	1 3/4"	FG	F5	ALUM	---	---	--	14	
100B	D7	ALUM	6' - 0"	2 - 3' -0"	7' - 0" 2	1 3/4"	FG	F5	ALUM	---	---	--	13	
101	D1	WD	3' - 0"	SINGLE	7' - 0"	1 3/4"	---	F2	HM	---	---	--	12	04 1
102	D1	WD	3' - 0"	SINGLE	7' - 0"	1 3/4"	---	F1	HM	---	---	--	03	
105	D1 1	WD	3' - 0"	SINGLE	7' - 0"	1 3/4"	---	F1	HM	---	---	--	05	
107	D1	WD	3' - 0"	SINGLE	7' - 0"	1 3/4"	---	F1	HM	---	---	--	03	
108	D2	HM	3' - 0"	SINGLE	7' - 0"	1 3/4"	VG	F1	HM	---	---	--	09	
109	D1	WD	3' - 0"	SINGLE	7' - 0"	1 3/4"	---	F1	HM	---	---	--	03	
110	D1	WD	3' - 0"	SINGLE	7' - 0"	1 3/4"	---	F1	HM	---	---	--	03	
112	D1	WD	3' - 0"	SINGLE	7' - 0"	1 3/4"	---	F1	HM	---	---	--	04	
113	D1	WD	3' - 0"	SINGLE	7' - 0"	1 3/4"	---	F1	HM	---	---	--	02	01
114	D1	WD	3' - 0"	SINGLE	7' - 0"	1 3/4"	---	F1	HM	---	---	--	05	
115	D1	WD	3' - 0"	SINGLE	7' - 0"	1 3/4"	---	F1	HM	---	---	--	02	01
116-1	D1	WD	3' - 0"	SINGLE	7' - 0"	1 3/4"	---	F1	HM	---	---	--	05	
116-2	D1	WD	3' - 0"	SINGLE	7' - 0"	1 3/4"	---	F1	HM	---	---	--	05	
116A	D1	WD	3' - 0"	SINGLE	7' - 0"	1 3/4"	---	F1	HM	---	---	--	04	01
118	D1	WD	3' - 0"	SINGLE	7' - 0"	1 3/4"	---	F1	HM	---	---	--	03	
119	D2	HM	3' - 0"	SINGLE	7' - 0"	1 3/4"	VG	F1	HM	---	---	45 MIN	08	
120	D1	WD	3' - 0"	SINGLE	7' - 0"	1 3/4"	---	F1	HM	---	---	--	03	
121	D1	WD	3' - 0"	SINGLE	7' - 0"	1 3/4"	---	F1	HM	---	---	--	03	
122	D4	WD	6' - 0"	2 - 3' - 0"	7' - 0"	1 3/4"	---	F3	HM	---	---	---	07	
123A	D6	WD	6' - 0"	2 - 3' - 0"	7' - 0"	1 3/4"	VG	F3	HM	---	---	---	11	
123B	D1	WD	3' - 0"	SINGLE	7' - 0"	1 3/4"	---	F1	HM	---	---	--	10	
124	D4	WD	6' - 0"	2 - 3' - 0"	7' - 0"	1 3/4"	---	F3	HM	---	---	---	07	
125	D1	WD	3' - 0"	SINGLE	7' - 0"	1 3/4"	---	F1	HM	---	---	--	02	01
126	D1	WD	3' - 0"	SINGLE	7' - 0"	1 3/4"	---	F1	HM	---	---	--	02	01
127	D1 1	WD	3' - 0"	SINGLE	7' - 0"	1 3/4"	---	F1	HM	---	---	--	05	
129	D2	HM	3' - 0"	SINGLE	7' - 0"	1 3/4"	VG	F6	HM	---	---	--	09	
130	D1	HM	3' - 0"	SINGLE	7' - 0"	1 3/4"	---	F6	HM	---	---	45 MIN	04	
131	D1	HM	3' - 0"	SINGLE	7' - 0"	1 3/4"	---	F6	HM	---	---	45 MIN	04	
132	D1	HM	3' - 6"	SINGLE	7' - 0"	1 3/4"	---	F6	HM	---	---	90 MIN	06	01
132A	D1	HM	3' - 0"	SINGLE	7' - 0"	1 3/4"	---	F6	HM	---	---	--	02	01 1
133A	D1	HM	3' - 6"	SINGLE	7' - 0"	1 3/4"	---	F6	HM	---	---	90 MIN	06	
133B	D1	HM	3' - 0"	SINGLE	7' - 0"	1 3/4"	---	F6	HM	---	---	--	04	
134A	D8	METAL	14' - 0"	SINGLE	14' - 0"	2"	PARTIAL							02
134B	D8	METAL	14' - 0"	SINGLE	14' - 0"	2"	PARTIAL							02
134C	D8	METAL	14' - 0"	SINGLE	14' - 0"	2"	PARTIAL							02
134D	D8 1	METAL	14' - 0"	SINGLE	14' - 0"	2"	PARTIAL							02
134E	D2	HM	3' - 0"	SINGLE	7' - 0"	1 3/4"	VG	F6	HM	---	---	--	09	
134F	D2	HM	3' - 0"	SINGLE	7' - 0"	1 3/4"	VG	F6	HM	---	---	--	09	
134G	D8	METAL	14' - 0"	SINGLE	14' - 0"	2"	PARTIAL							02
134H	D8	METAL	14' - 0"	SINGLE	14' - 0"	2"	PARTIAL							02
134J	D8	METAL	14' - 0"	SINGLE	14' - 0"	2"	PARTIAL							02
134K	D8	METAL	14' - 0"	SINGLE	14' - 0"	2"	PARTIAL							02
135	D1	HM	3' - 0"	SINGLE	7' - 0"	1 3/4"	---	F6	HM	---	---	45 MIN	04	
136	D2	HM	3' - 0"	SINGLE	7' - 0"	1 3/4"	VG	F1	HM	---	---	45 MIN	08	
137	D1	WD	3' - 0"	SINGLE	7' - 0"	1 3/4"	---	F1	HM	---	---	--	05	
138	D10	WD	5' - 0"	2 - 2' - 6"	7' - 0"	1 3/4"	---	F8	HM	---	---	--	01	
139	D1	WD	3' - 0"	SINGLE	7' - 0"	1 3/4"	---	F1	HM	---	---	--	05	
140	D1	WD	3' - 0"	SINGLE	7' - 0"	1 3/4"	---	F1	HM	---	---	--	04	01 1
141	D1	WD	3' - 0"	SINGLE	7' - 0"	1 3/4"	---	F1	HM	---	---	20 MIN	02	
142	D1	WD	3' - 0"	SINGLE	7' - 0"	1 3/4"	---	F1	HM	---	---	--	02	01
143	D1	WD	3' - 0"	SINGLE	7' - 0"	1 3/4"	---	F1	HM	---	---	20 MIN	02	
144	D1	WD	3' - 0"	SINGLE	7' - 0"	1 3/4"	---	F1	HM	---	---	--	02	01
145	D1	WD	3' - 0"	SINGLE	7' - 0"	1 3/4"	---	F1	HM	---	---	--	02	01
146	D1	WD	3' - 0"	SINGLE	7' - 0"	1 3/4"	---	F1	HM	---	---	20 MIN	02	
147	D1	WD	3' - 6"	SINGLE	7' - 0"	1 3/4"	---	F1	HM	---	---	--	04 1	
148	D2	HM	3' - 0"	SINGLE	7' - 0"	1 3/4"	VG	F6	HM	---	---	--	09	
149 1	D1	WD	3' - 0"	SINGLE	7' - 0"	1 3/4"	---	F1	HM	---	---	20 MIN	02	
150	D1	WD	3' - 0"	SINGLE	7' - 0"	1 3/4"	---	F1	HM	---	---	--	02	01
151	D1	WD	3' - 0"	SINGLE	7' - 0"	1 3/4"	---	F1	HM	---	---	--	02	01
152	D1	WD	3' - 0"	SINGLE	7' - 0"	1 3/4"	---	F1	HM	---	---	20 MIN	02	
153	D1	WD	3' - 0"	SINGLE	7' - 0"	1 3/4"	---	F1	HM	---	---	20 MIN	02	
154	D1	WD	3' - 0"	SINGLE	7' - 0"	1 3/4"	---	F1	HM	---	---	--	02	01
155	D1	WD	3' - 0"	SINGLE	7' - 0"	1 3/4"	---	F1	HM	---	---	--	05	
156	D3	WD	3' - 0"	SINGLE	7' - 0"	1 3/4"	FG	F4	HM	---	---	--	04	
157	D1	HM	3' - 0"	SINGLE	7' - 0"	1 3/4"	---	F1	HM	---	---	90 MIN	06	01 1
158	D2	HM	3' - 0"	SINGLE	7' - 0"	1 3/4"	VG	F1	HM	---	---	45 MIN	08	
159	D1	WD	3' - 0"	SINGLE	7' - 0"	1 3/4"	---	F1	HM	---	---	--	03	
160 1	D2	HM	3' - 0"	SINGLE	7' - 0"	1 3/4"	VG	F6	HM	---	---	--	09	
161	D1	WD	3' - 0"	SINGLE	7' - 0"	1 3/4"	---	F1	HM	---	---	--	15 1	
163 1	D2	HM	3' - 0"	SINGLE	7' - 0"	1 3/4"	VG	F6	HM	---	---	--	09	
164	D1	WD	3' - 0"	SINGLE	7' - 0"	1 3/4"	---	F1	HM	---	---	--	05	
165	D2	WD	3' - 0"	SINGLE	7' - 0"	1 3/4"	VG	F1	HM	---	---	--	04	
166	D1	WD	3' - 0"	SINGLE	7' - 0"	1 3/4"	---	F1	HM	---	---	--	03	
167	D9	HM	3' - 0"	SINGLE	3' - 0"	1 3/4"	---	F7	HM	---	---	--	--	03

DOOR SCHEDULE REMARKS

01	PROVIDE 3/4" DOOR UNDERCUT.
02	OVERHEAD DOOR. CLOPAY, MODEL 3722, COLOR BLAST FOR RED DOORS, FULL VIEW VISION LITES PER ELEVATIONS, 100K CYCLE SPRINGS, 3" TRACK, TINTED INSLUATED GLASS – GRAY OR BRONZE TBD.
03	EMERGENCY ESCAPE HATCH TO MEET ALL ICC 500 REQUIREMENTS. VAULTPRO EXECUTIVE PRO WALL HATCH OR APPROVED EQUAL. FRAME TO HAVE TRIM FLANGES ON BOTH SIDES OF THE WALL. FRAME TO BE EXTENDED TO FIT DEPTH OF EXTERIOR WALL.DOOR TO HAVE WEATHER GASKETING DUE TO EXTERIOR EXPOSURE.
04	DOOR 101 CAN BE REMOTELY CONTROLLED BY A PUSH BUTTON IN OFFICE 102.

DOOR SCHEDULE ABBREVIATIONS

ALUM	ALUMINUM	HM	HOLLOW METAL	VG	VISION GLASS
EX	EXISTING	PLAM	PLASTIC LAMINATE	WOOD	WOOD

DOOR SCHEDULE NOTES

1. REFER TO FLOOR PLAN FOR DOOR SWING DIRECTIONS.
2. EXIT DOORS: DURING BUSINESS HOURS EXIT DOORS SHALL BE OPERABLE FROM INSIDE WITHOUT USE OF A KEY. HARDWARE FOR HANDICAPPED SHALL CONFORM TO LOCAL BUILDING CODES AND ANSI A 13.10 AS RULES APPLY.
3. DOOR SIGNAGE (ALL INTERIOR DOORS) SHALL BE "ASI TACTILE PLAQUE SIGNS" OR EQUIVALENT. SIGNAGE SHALL BE 8"x8" WITH THE ROOM NAME AND NUMBER SHOWN. REFER TO THE ROOM FINISH SCHEDULE FOR ROOM NAMES AND NUMBERS. ROOM NUMBERS ARE TO BE COORDINATED WITH THE OWNER. SIGNS SHALL BE INSTALLED ON THE WALL ADJACENT TO THE LATCH SIDE OF THE DOOR. MOUNTING HEIGHT SHALL BE 60" AFF TO THE CENTERLINE OF THE SIGN.
4. ALL LOCKS ARE TO BE KEYED TO THE OWNER'S REQUIREMENTS.
5. KICK PLATES SHALL BE STAINLESS STEEL 16 GAUGE WITH US28D FINISH. 10" HIGH AND 2" LESS THAN THE DOOR WIDTH.
6. ALL HOLLOW METAL DOORS AND FRAMES TO BE PRIMED AND PAINTED.
7. HOLLOW METAL DOOR FRAMES TO BE 16 GA. MINIMUM THICKNESS, FULL PROFILE WELDED, PRIMED FOR PAINTING.

NOTE: TEMPERED GLASS AS REQUIRED BY CODE.

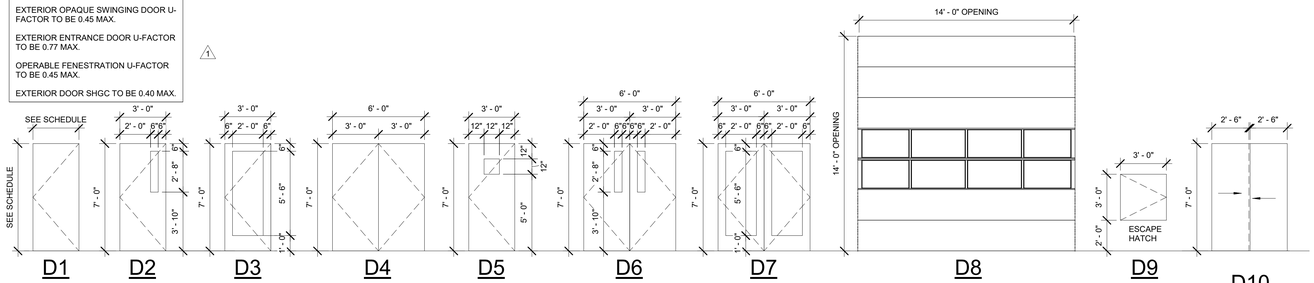
EXTERIOR OPAQUE SWINGING DOOR U-FACTOR TO BE 0.45 MAX.

EXTERIOR ENTRANCE DOOR U-FACTOR TO BE 0.77 MAX.

OPERABLE FENESTRATION U-FACTOR TO BE 0.45 MAX.

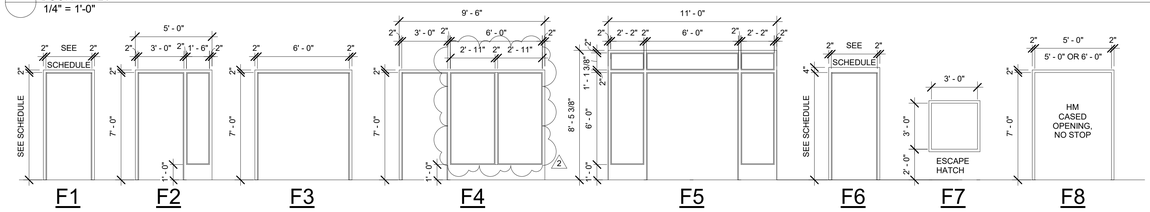
EXTERIOR DOOR SHGC TO BE 0.40 MAX.

1



NOTE: PROVIDE TEMPERED GLASS IN DOORS AS REQUIRED BY CODE. PROVIDE REFLECTIVE/MIRRORED GLASS IN EXTERIOR DOORS.
NOTE: ESCAPE HATCH MANUFACTURER NOTES HATCH AS 36" X 36". VERIFY ACTUAL ROUGH-IN DIMENSIONS. SET BOTTOM OF ROUGH OPENING AT 2'-0" AFF.

DOOR TYPES
1/4" = 1'-0"



NOTE: PROVIDE TEMPERED GLASS IN DOORS AS REQUIRED BY CODE. PROVIDE REFLECTIVE/MIRRORED GLASS IN EXTERIOR DOORS.
NOTE: ESCAPE HATCH MANUFACTURER NOTES HATCH AS 36" X 36". VERIFY ACTUAL ROUGH-IN DIMENSIONS. SET BOTTOM OF ROUGH OPENING AT 2'-0" AFF.

DOOR FRAME TYPES
1/4" = 1'-0"

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HARDWARE GROUP NO. 01

QTY	DESCRIPTION	MODEL	FINISH	MANUF.
1 EA.	BYPASS SLIDING DOOR HDWR	9611CS 60"	ALUM	HAGER
2 EA.	ADA DOOR PULL	27N	US32D	HAGER

HARDWARE GROUP NO. 02

QTY	DESCRIPTION	MODEL	FINISH	MANUF.
3 EA.	HINGE	BB1279 4-1/2X4-1/2	US26D	HAGER
1 EA.	PRIVACY LOCK (ADA LEVER)	3540 WTN	US26D	HAGER
1 EA.	CLOSER (DOORS 113, 115, 125, 126, AND 132A ONLY)	5200 HDS MLT FC (MOUNT ON PULL SIDE)	ALUM	HAGER
1 EA.	CLOSER W/ STOP ARM (DOORS 141, 143, 146, 149, 152 AND 153 ONLY)	5200 HDS MLT FC (MOUNT ON PULL SIDE)	ALUM	HAGER
1 EA.	CONCAVE WALL STOP (DOORS 113, 115, 125, 126, 132A, 144, 145, 147, 150, 151 AND 154 ONLY)	236W	US32D	HAGER
1 EA.	OVERHEAD STOP (142 ONLY) 2	6016S SZ2	US32D	HAGER
3 EA.	SILENCERS	307D	GREY	HAGER
	GASKETING (DOORS 141, 143, 146, 149, 152 AND 153 ONLY)	722	CHAR	HAGER

DOORS 141, 143, 146, 149, 152 AND 153 ARE 20 MIN. RATED DOORS

HARDWARE GROUP NO. 03

QTY	DESCRIPTION	MODEL	FINISH	MANUF.
3 EA.	HINGE	BB1279 4-1/2X4-1/2	US26D	HAGER
1 EA.	OFFICE LOCK (ADA LEVER)	3550 WTN	US26D	HAGER
1 EA.	CLOSER W/ HOLD OPEN ARM	5200 MLT HO FC (MOUNT ON PULL SIDE)	US32D	HAGER
1 EA.	CLOSER W/ HOLD OPEN STOP ARM (DOOR 159 ONLY) 2	5200 MLT HDHOS FC (MOUNT ON PULL SIDE)	US32D	HAGER
1 EA.	CONCAVE WALL STOP	236W	US32D	HAGER
3 EA.	SILENCERS	307D	GREY	HAGER

HARDWARE GROUP NO. 04

QTY	DESCRIPTION	MODEL	FINISH	MANUF.
3 EA.	HINGE	BB1279 4-1/2X4-1/2	US26D	HAGER
3 EA.	HEAVY WEIGHT HINGE (147 ONLY) 1	BB1199 4-1/2X4-1/2	US26D	HAGER
1 EA.	PASSAGE LOCK (ADA LEVER)	3510 WTN	US26D	HAGER
1 EA.	CLOSER (112, 116A, 130, 131, 133B, 147 & 156 ONLY)	5200 MLT FC (MOUNT ON PULL SIDE)	ALUM	HAGER
1 EA.	CLOSER (165 ONLY)	5200 MLT FC (MOUNT ON PUSH SIDE)	ALUM	HAGER
1 EA.	CLOSER (135 & 140 ONLY)	5200 MLT HDHOS FC (MOUNT ON PUSH SIDE)	ALUM	HAGER
	GASKETING (130, 131 & 135 ONLY)	722	CHAR	HAGER
1 EA.	KICKPLATE (116A ONLY)	190S 10"X34"	US32D	HAGER
1 EA.	CONCAVE WALL STOP	236W	US32D	HAGER
3 EA.	SILENCERS	307D	GREY	HAGER

HARDWARE GROUP NO. 05

QTY	DESCRIPTION	MODEL	FINISH	MANUF.
3 EA.	HINGE	BB1279 4-1/2X4-1/2	US26D	HAGER
1 EA.	CLASSROOM LOCK (ADA LEVER)	3570 WTN	US26D	HAGER
1 EA.	CLOSER	5200 MLT FC (MOUNT ON PULL SIDE)	ALUM	HAGER
1 EA.	CLOSER W/ STOP ARM (164 ONLY)	5200 MLT FC (MOUNT ON PUSH SIDE)	ALUM	HAGER
1 EA.	CONCAVE WALL STOP (ALL EXCEPT 164)	236W	US32D	HAGER
3 EA.	SILENCERS	307D	GREY	HAGER

HARDWARE GROUP NO. 06

QTY	DESCRIPTION	MODEL	FINISH	MANUF.
4 EA.	TORNADO RESISTANT HINGE	SP3386 4-1/2X4-1/2	US32D	MCK
1 EA.	THREE POINT PRIVACY LOCK (ADA LEVER)	FM7366 LNL (90 MIN. RATING) (PRIVACY FUNCTION - DOOR 157) FM7314 LNL (90 MIN. RATING) (PASSAGE FUNCTION - DOORS 132 AND 133A)	US32D	SAR
1 EA.	CLOSER	281 O TB (PULL SIDE MOUNT)	EN	SAR
1 EA.	CONCAVE WALL STOP	236W	US32D	HAGER
	SMOKE SEAL	S773	BLACK	PEMKO
	WEATHERSTRIPPING	305 BS	BLACK	PEMKO

SHELTER DOOR/FRAME/HARDWARE ASSEMBLY TO BE ICC 500 COMPLIANT. PROVIDE DOOR AND FRAME PER THE HARDWARE MANUFACTURER'S REQUIREMENTS.

HARDWARE GROUP NO. 07

QTY	DESCRIPTION	MODEL	FINISH	MANUF.
6 EA.	HINGE	BB1279 4-1/2X4-1/2	US26D	HAGER
1 EA.	STOREROOM LOCK (ADA LEVER)	3580 WTN	US26D	HAGER
1 EA.	MANUAL FLUSH BOLT	283D	US26D	HAGER
4 EA.	SILENCERS	307D	GREY	HAGER

HARDWARE GROUP NO. 08

QTY	DESCRIPTION	MODEL	FINISH	MANUF.
3 EA.	HINGE	BB1279 4-1/2X4-1/2	US26D	HAGER
1 EA.	EXIT DEVICE	4501 RIM FR 45NL WTN	US26D	HAGER
1 EA.	RIM CYLINDER	3901	US26D	HAGER
1 EA.	ELECTRIC STRIKE	9600 (FAIL SECURE)	630	HES
1 EA.	CLOSER	5200 MLT FC (MOUNT ON PUSH SIDE)	ALUM	HAGER 2
	GASKETING	722	CHAR	HAGER
1 EA.	CONCAVE WALL STOP	236W	US32D	HAGER

HARDWARE GROUP NO. 09

QTY	DESCRIPTION	MODEL	FINISH	MANUF.
3 EA.	HINGE	BB1279 4-1/2X4-1/2 NRP	US26D	HAGER
1 EA.	EXIT DEVICE	4501 RIM 45NL WTN	US26D	HAGER
1 EA.	RIM CYLINDER	3901	US26D	HAGER
1 EA.	ELECTRIC STRIKE	9600 (FAIL SECURE)	630	HES
1 EA.	CLOSER	5200 MLT HD FC (MOUNT ON PUSH SIDE)	ALUM	HAGER 2
	WEATHERSTRIPPING	721	CHAR	HAGER
1 EA.	DOOR SWEEP	750S	ALUM	HAGER
1 EA.	THRESHOLD	412S	ALUM	HAGER

HARDWARE GROUP NO. 10

QTY	DESCRIPTION	MODEL	FINISH	MANUF.
3 EA.	HINGE	BB1279 4-1/2X4-1/2	US26D	HAGER
1 EA.	EXIT DEVICE	4501 RIM 45DE WTN	US26D	HAGER 1
1 EA.	KEYPAD ACCESS	2915	US26D	HAGER
1 EA.	RIM CYLINDER	3901	US26D	HAGER
1 EA.	POWER TRANSFER	PT1000	ALUM	HAGER 2
1 EA.	WALL MOUNT CONTROLLER	2-679-0630	US26D	HAGER
1 EA.	CLOSER	5200 MLT FC (MOUNT ON PULL SIDE)	ALUM	HAGER
1 EA.	KICK PLATE	190S 10"X34"	US32D	HAGER
1 EA.	CONCAVE WALL STOP	236W	US32D	HAGER
3 EA.	SILENCERS	307D	GREY	HAGER

HARDWARE GROUP NO. 11

QTY	DESCRIPTION	MODEL	FINISH	MANUF.
6 EA.	HINGE	BB1279 4-1/2X4-1/2	US26D	HAGER
1 EA.	EXIT DEVICE (ACTIVE DOOR)	4501 CVR MLR 45NL WTN	US32D	HAGER 1
1 EA.	EXIT DEVICE (INACTIVE DOOR)	4501 CVR 45DT WTN	US32D	HAGER
1 EA.	RIM CYLINDER	3901	US32D	HAGER
1 EA.	POWER TRANSFER	PT1000	ALUM	HAGER 2
2 EA.	CLOSER W/ HOLD OPEN STOP ARM	5200 MLT HDHOS FC (MOUNT ON PUSH SIDE)	ALUM	HAGER
2 EA.	KICK PLATE	190S 10"X34"	US32D	HAGER
4 EA.	SILENCERS	307D	GREY	HAGER
2 EA.	DUSTPROOF STRIKE	280X	US26D	HAGER

HARDWARE GROUP NO. 12

QTY	DESCRIPTION	MODEL	FINISH	MANUF.
3 EA.	HINGE	BB1279 4-1/2X4-1/2	US26D	HAGER 1
1 EA.	EXIT DEVICE	4501 RIM 45NL WTN	US26D	HAGER
1 EA.	RIM CYLINDER	3901	US26D	HAGER
1 EA.	ELECTRIC STRIKE	9600 (FAIL SAFE)	630	HES 2
1 EA.	CLOSER	5200 MLT FC (MOUNT ON PUSH SIDE)	ALUM	HAGER
1 EA.	KICK PLATE	190S 10"X34"	US32D	HAGER
1 EA.	OVERHEAD STOP	6016S SZ2	US32D	HAGER
3 EA.	SILENCERS	307D	GREY	HAGER

HARDWARE GROUP NO. 13

QTY	DESCRIPTION			
2 SETS	OFFSET PIVOTS WITH INTERMEDIATE OFFSET PIVOT (ALUM. MANUFACTURER'S STANDARD)			
1 EA.	EXIT DEVICE (ACTIVE DOOR)	4601 CVR MLR 46NL WTN	US32D	HAGER
1 EA.	EXIT DEVICE (INACTIVE DOOR)	4601 CVR 46DT WTN	US32D	HAGER 1
1 EA.	RIM CYLINDER	3901	US32D	HAGER
1 EA.	POWER TRANSFER	PT1000	ALUM	HAGER
2 EA.	HEAVY DUTY CLOSERS WITH STOP ARM (ALUM. MANUFACTURER'S STANDARD PUSH SIDE)			
	ALUM. MANUFACTURER'S STANDARD WEATEHSTRIPPING/GASKETING			

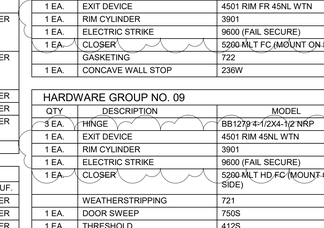
HARDWARE GROUP NO. 14

QTY	DESCRIPTION			
2 SETS	OFFSET PIVOTS WITH INTERMEDIATE OFFSET PIVOT (ALUM. MANUFACTURER'S STANDARD)			
1 EA.	PANIC DEVICE	4601 CVR 36" 46DT WTN	US26D	HAGER
1 EA.	PANIC DEVICE	4601 CVR 36" 46NL WTN	US26D	HAGER
1 EA.	CYLINDER	3901	US26D	HAGER
2 EA.	CLOSER W/ STOP ARM	5200 MLT HDCS FC (MOUNT ON PUSH SIDE)	ALUM	HAGER
1 EA.	THRESHOLD	412S	ALUM	HAGER
2 EA.	SWEEP (ALUM. MANUFACTURER'S STANDARD)			
	WEATHERSTRIPPING (ALUM. MANUFACTURER'S STANDARD)			
2 EA.	TOP AND BOTTOM STRIKES (INCLUDED WITH PANIC DEVICE)			

HARDWARE GROUP NO. 15

QTY	DESCRIPTION	MODEL	FINISH	MANUF.
3 EA.	HINGE	BB1279 4-1/2X4-1/2	US26D	HAGER
1 EA.	PANIC DEVICE (ADA LEVER)	4701 RIM 47KN WTN TW	US26D	HAGER
1 EA.	CLOSER	5200 MLT FC (MOUNT ON PUSH SIDE)	ALUM	HAGER
1 EA.	CONCAVE WALL STOP	236W	US32D	HAGER
3 EA.	SILENCERS	307D	GREY	HAGER

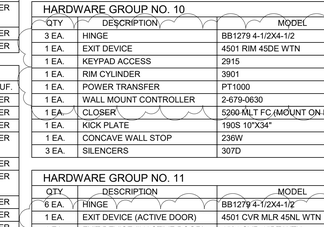
INTERIOR SIGNAGE ELEVATIONS



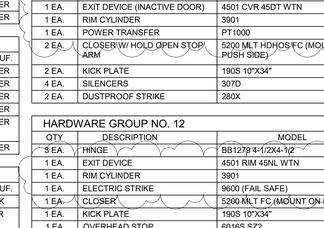
SIGN BACKGROUND SHALL BE NON-REFLECTIVE. "TORNADO SAFE ROOM" AND LOGO SHALL BE REFLECTIVE USING 3M SCOTCHLITE DIAMOND-GRADE REFLECTIVE SHEETING, YELLOW IN COLOR. VERIFY WITH MANUFACTURER THAT SIGN WILL GLOW FOR A MINIMUM OF 6 HOURS IN THE EVENT OF POWER LOSS.

THE IDENTIFYING SIGNAGE FOR THE TORNADO SAFE ROOM SHALL BE POSTED IN A PROMINENT LOCATIONS 60 INCHES (1524 mm) ABOVE THE FINISHED FLOOR TO THE CENTERLINE OF THE SIGN.

TYPE F1 (18" X 12") SOLID PLASTIC



TYPE F2 (18" X 12") SOLID PLASTIC



SIGN BACKGROUND SHALL BE NON-REFLECTIVE. "TORNADO SAFE ROOM" AND LOGO SHALL BE REFLECTIVE USING 3M SCOTCHLITE DIAMOND-GRADE REFLECTIVE SHEETING, YELLOW IN COLOR. VERIFY WITH MANUFACTURER THAT SIGN WILL GLOW FOR A MINIMUM OF 6 HOURS IN THE EVENT OF POWER LOSS.

THE IDENTIFYING SIGNAGE FOR THE TORNADO SAFE ROOM SHALL BE POSTED IN A PROMINENT LOCATIONS 60 INCHES (1524 mm) ABOVE THE FINISHED FLOOR TO THE CENTERLINE OF THE SIGN.

NOTE: DIRECTIONAL ARROW WILL VARY AND SHALL DIRECT OCCUPANTS TOWARD THE STORM SHELTER

TYPE F3 (18" X 12") SOLID PLASTIC



INTERNATIONAL MALE OR FEMALE GENDER SYMBOL

INTERNATIONAL WHEELCHAIR SYMBOL

TEXT AS REQUIRED. "MEN" OR "WOMEN" "BOYS" OR "GIRLS" "RESTROOM" "FACILITY RESTROOM"

TYPE 2
(8" X 8")
SOLID PLASTIC

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Revisions:

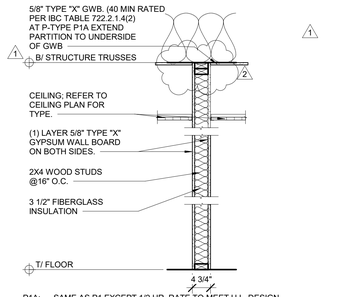
No:	Date:	Description:
1	2025-09-15	ADD. NO. 1
2	2025-09-19	ADD NO. 2

Sheet Info:

DOOR SCHEDULE

Drawn By:	SGW
Checked By:	DGC
Commission:	025-2125
Date:	2025-09-05

A601



P1A: SAME AS P1 EXCEPT 1/2 HR. RATE TO MEET U.L. DESIGN U407
STC RATING = 33

P1B: SAME AS P1A EXCEPT 2X6 STUDS, 1/2 HR. RATE TO MEET U.L. DESIGN U407

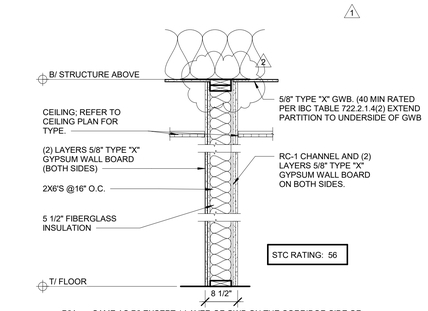
P1C: SAME AS P1B EXCEPT A LOAD-BEARING WALL. REFER TO STRUCTURAL. LOAD-BEARING WALLS EXTEND TO THE BOTTOM OF THE TRUSSES. STOP GWB CEILINGS SHORT OF THE STUDS.

P1D: SAME AS P1B EXCEPT NO RATING REQUIRED.

P1E: SAME AS PI EXCEPT PROVIDE LEVEL 3 BULLETPROOF WALL PANEL BEHIND GYPSUM BOARD.

*PROVIDE ACOUSTIC SEALANT AT PERIMETER AND AT PENETRATIONS.

1 A602 PARTITION TYPE "P1"
3/4" = 1'-0"

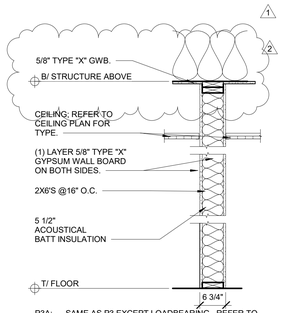


P2A: SAME AS P2 EXCEPT 1 LAYER OF GWB ON THE CORRIDOR SIDE OF THE WALL SO THE STUDS ALIGN WITH THE REST OF THE WALL TO THE NORTH. LOAD-BEARING WALL. REFER TO STRUCTURAL. LOAD-BEARING WALLS EXTEND TO THE BOTTOM OF THE TRUSSES. STOP GWB CEILINGS SHORT OF THE STUDS.

*PROVIDE ACOUSTIC SEALANT AT PERIMTER AND AT PENETRATIONS.

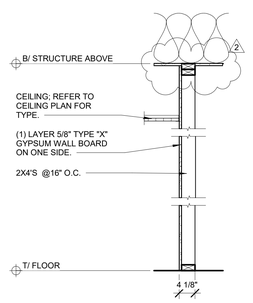
WALL TO MEET UL DESIGN NO. U301 - 2 HR RATED
(REQUIRED WALL RATING IS 1/2 HOUR)

2 A602 PARTITION TYPE "P2"
3/4" = 1'-0"

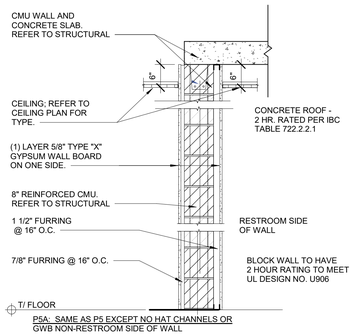


P3A: SAME AS P3 EXCEPT LOADBEARING. REFER TO STRUCTURAL DOCUMENTS. LOAD-BEARING WALLS EXTEND TO THE BOTTOM OF THE TRUSSES. STOP GWB CEILINGS SHORT OF THE STUDS.

3 A602 PARTITION TYPE "P3"
3/4" = 1'-0"



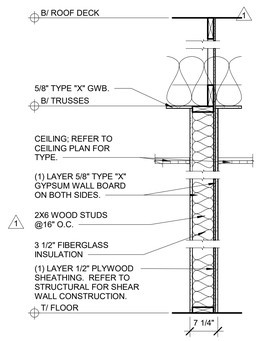
4 A602 PARTITION TYPE "P4"
3/4" = 1'-0"



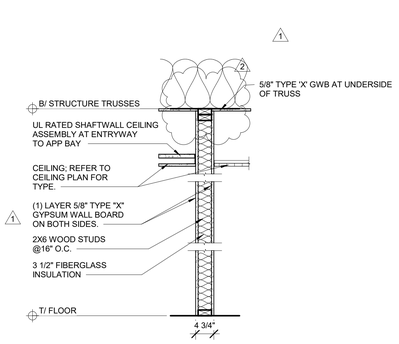
P5A: SAME AS P5 EXCEPT NO HAT CHANNELS OR GWB NON-RESTROOM SIDE OF WALL

P5B: SAME AS P5 EXCEPT 2x6'S ON RESTROOM SIDE OF WALL AND 1 1/2" FURRING ON NON-RESTROOM SIDE OF WALL

5 A602 PARTITION TYPE "P5"
3/4" = 1'-0"

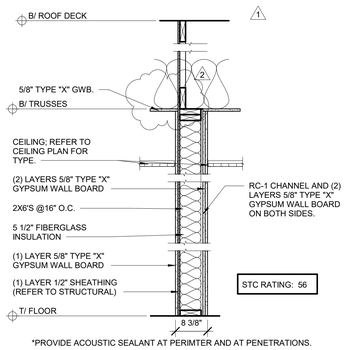


6 A602 PARTITION TYPE "P6"
3/4" = 1'-0"



1 HOUR FIRE RATED PARTITION
UL DESIGN NO. U305

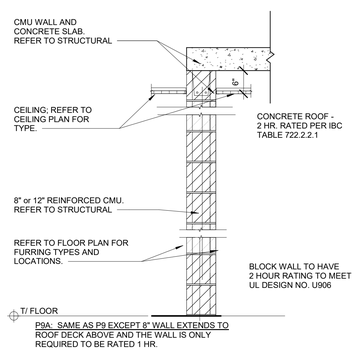
7 A602 PARTITION TYPE "P7"
3/4" = 1'-0"



*PROVIDE ACOUSTIC SEALANT AT PERIMTER AND AT PENETRATIONS.

WALL TO MEET UL DESIGN NO. U301 - 2 HR RATED
(REQUIRED WALL RATING IS 1/2 HOUR)

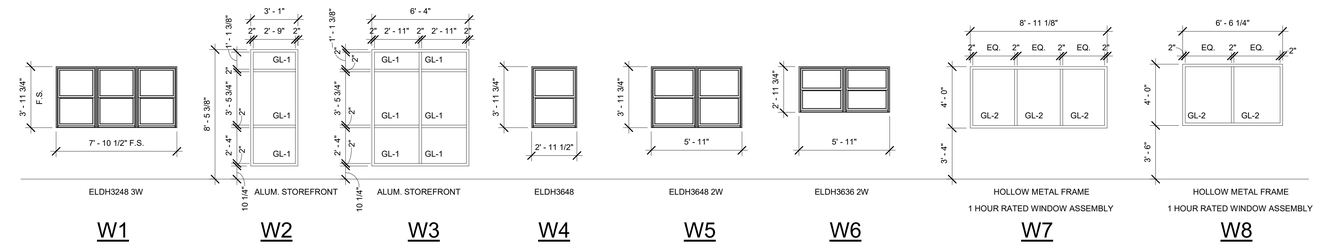
8 A602 PARTITION TYPE "P8"
3/4" = 1'-0"



P9A: SAME AS P9 EXCEPT 8" WALL EXTENDS TO ROOF DECK ABOVE AND THE WALL IS ONLY REQUIRED TO BE RATED 1 HR.

9 A602 PARTITION TYPE "P9"
3/4" = 1'-0"

GENERAL NOTE:
-FIRE TAPE ALL GYPSUM WALLBOARD JOINTS IN ALL CONCEALED SPACES.



WINDOW TYPES
1/4" = 1'-0"

NOTE: TEMPERED GLASS AS REQUIRED BY CODE.

OPERABLE FENESTRATION U-FACTOR TO BE 0.45 MAX. 1

SHGC TO BE 0.4 MAX. - SOUTH/EAST/WEST SIDES
.53 MAX NORTH SIDE

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Wright City Fire Protection District
60 Bell Road
Wright City, MO 63390

Revisions:

No:	Date:	Description:
1	2025-09-15	ADD. NO. 1
2	2025-09-19	ADD NO. 2

Sheet Info:

PARTITION TYPES AND WINDOW TYPES

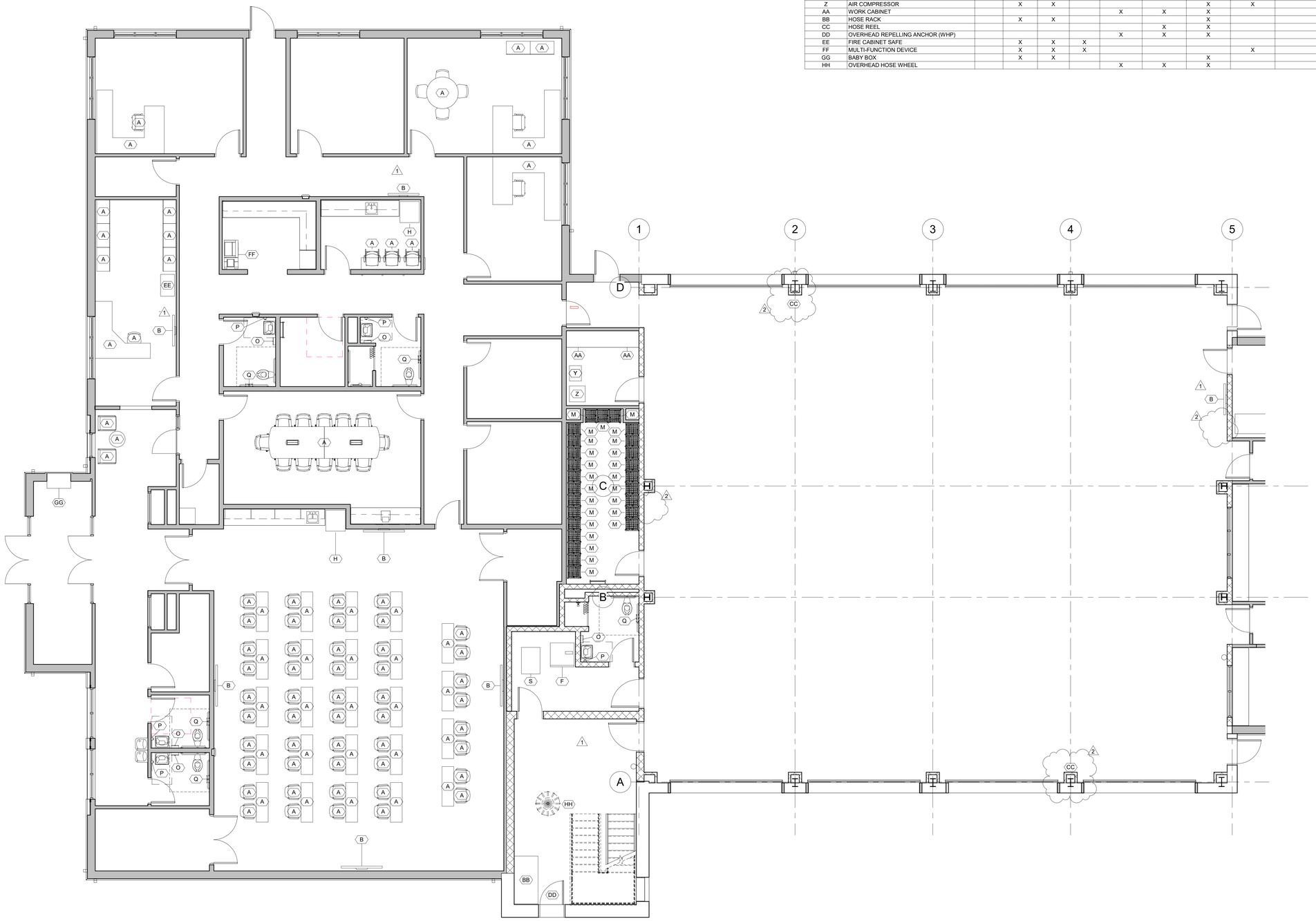
Drawn By:	CEC
Checked By:	DGC
Commission:	025-2125
Date:	2025-09-05

A602

9/19/2025 2:46:00 PM

EQUIPMENT/FURNITURE SCHEDULE

ITEM	ITEM DESCRIPTION	EXISTING	OWNER SPEC	OWNER FURNISH	OWNER INSTALL	ARCH/MEP SPEC	CONTRACTOR FURNISH	CONTRACTOR INSTALL	UTILITIES ELECTRIC	UTILITIES DATA	UTILITIES WATER/DRAIN	UTILITIES VENT	UTILITIES GAS	COMMENTS
A	FURNITURE		X	X	X									
B	TV AND SUPPORT BRACKET /1		X	X				X	X	X				CONTRACTOR TO PROVIDE BLOCKING.
C	BED		X	X	X									
D	KITCHEN SHELVING					X	X	X						CONTRACTOR TO PROVIDE BLOCKING.
E	WASHER - RESIDENTIAL		X	X				X	X		X			
F	DRYER - RESIDENTIAL		X	X				X	X			X	X	
G	ICE MACHINE - RESIDENTIAL													
H	REFRIGERATOR - RESIDENTIAL		X	X				X	X		X			
I	DINING TABLE / CHAIRS		X	X	X									
J	RECLINER		X	X	X									
K	RANGE - COMMERCIAL		X	X				X	X				X	
L	MICROWAVE		X	X				X	X					
M	GEAR LOCKERS					X	X	X						CONTRACTOR TO PROVIDE BLOCKING.
N	TALL WARDROBE					X	X	X						CONTRACTOR TO PROVIDE BLOCKING.
O	PAPER TOWEL DISPENSER					X	X	X						
P	SOAP DISPENSER					X	X	X						
Q	TOILET PAPER DISPENSER					X	X	X						
R	HOOD					X	X	X	X			X		
S	GEAR EXTRACTOR		X	X				X	X		X			
T	DISHWASHER		X	X				X	X		X			
U	WORKOUT EQUIPMENT		X	X	X				X					
V	SCBA COMPRESSOR		X	X	X				X					
W	SCBA CASCADE		X	X	X				X					
X	SCBA TANK RACK		X	X	X									
Y	FLAMMABLE CABINET - GLOBAL INDUSTRIAL WB237607					X	X	X						
Z	AIR COMPRESSOR		X	X				X	X					
AA	WORK CABINET					X	X	X						
BB	HOSE RACK		X	X				X						
CC	HOSE REEL						X	X						
DD	OVERHEAD REPELLING ANCHOR (WHP)					X	X	X						
EE	FIRE CABINET SAFE		X	X	X									
FF	MULTI-FUNCTION DEVICE		X	X	X				X					
GG	BABY BOX		X	X				X						
HH	OVERHEAD HOSE WHEEL					X	X	X						



1 / A603 PARTIAL EQUIPMENT PLAN - WEST
3/16" = 1'-0"

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Wright City, MO 63390

Revisions:

No:	Date:	Description:
1	2025-09-15	ADD. NO. 1
2	2025-09-18	ADD NO. 2

Sheet Info:

PARTIAL EQUIPMENT PLAN (WEST) AND SCHEDULE

Drawn By:	CEC
Checked By:	DGC
Commission:	025-2125
Date:	2025-09-05

A603

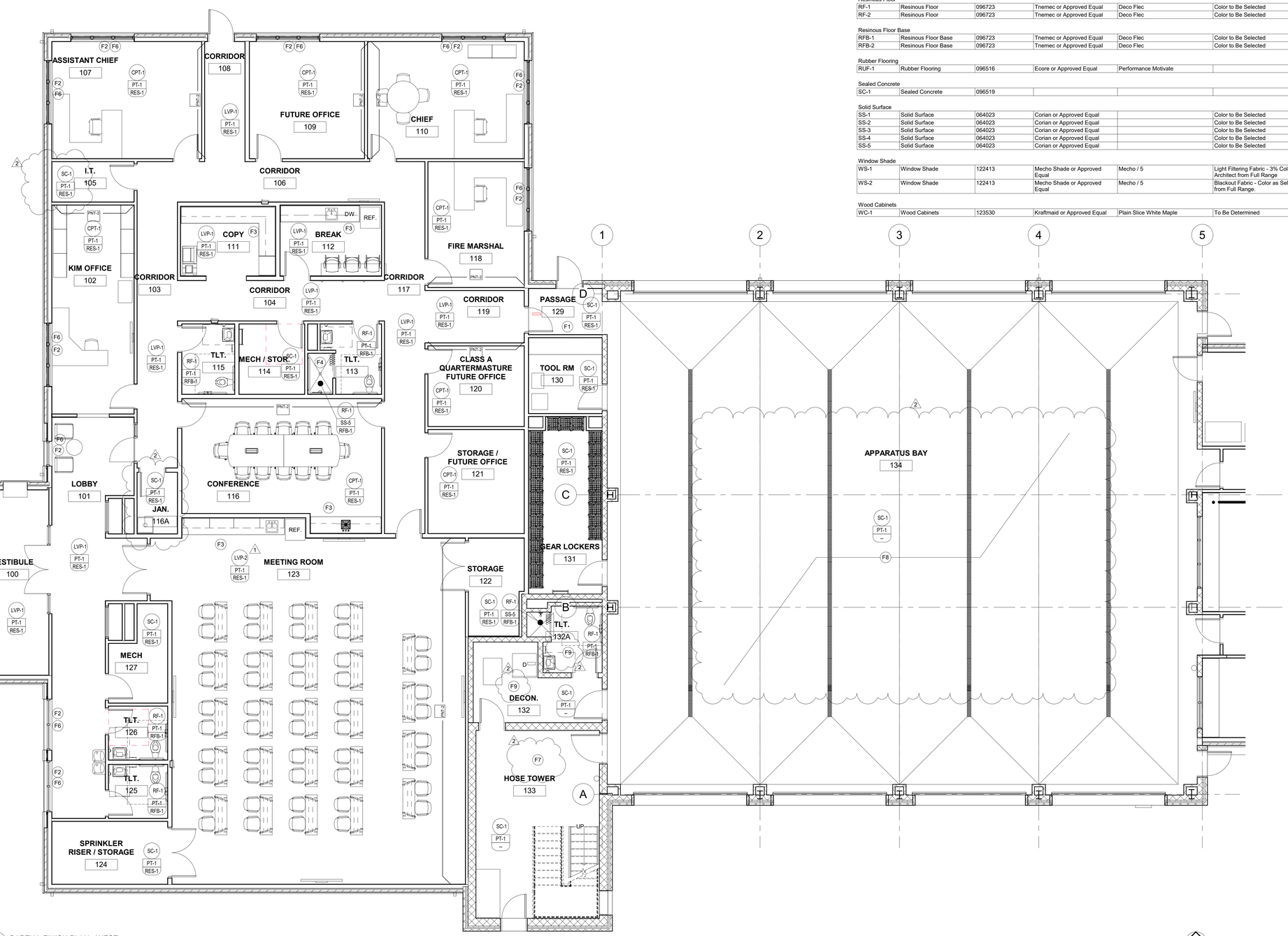
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FINISH PLAN GENERAL NOTES

1	REFER TO FINISH PLANS FOR EXTENT AND TYPE OF FLOOR AND WALL FINISHES.
2	REFER TO REFLECTED CEILING PLANS FOR EXTENT OF CEILING TYPES.
3	REFER TO INTERIOR ELEVATIONS FOR EXTENT AND TYPE OF MILLWORK FINISHES.
4	WHERE FLOOR FINISHES CHANGE AT CASED OPENINGS, THE FINISH CHANGE SHALL OCCUR AT THE CENTERLINE OF THE CASED OPENING. WHERE FLOOR FINISHES CHANGE AT DOORWAYS, THE FINISH CHANGE SHALL OCCUR AT THE CENTERLINE OF THE DOOR IN THE CLOSED POSITION.
5	FLOOR TRANSITIONS BETWEEN MATERIALS SHOULD BE FLUSH. FEATHER SUBFLOOR TO MAKE FLUSH TRANSITION AS REQUIRED..
6	ALL HOLLOW METAL FRAMES TO BE PAINTED. COLOR TO MATCH ADJACENT WALL PAINT.
7	PROVIDE MOISTURE MITIGATION IN BASE COST OF RESINOUS FLOORING.
8	ALL PLUMBING WALLS AND ALL WALLS/PARTITIONS WITHIN 2 FEET OF SERVICE SINKS, URINALS AND WATER CLOSETS TO HAVE MOISTURE RESISTANT GWB. EXTERIOR WINDOW HEADS/JAMBS THAT ARE TO HAVE GWB ARE TO HAVE MOISTURE RESISTANT GWB.

KEYED NOTES - FINISH PLAN

F1	NO RESILIENT BASE REQUIRED AT CMU WALLS.
F2	1/2" SOLID SURFACE WINDOW SILL. (SS-4) NOTE THAT SILL TO RETURN DOWN 1" AND TO EXTEND BEYOND WINDOW JAMBS BY 1/2".
F3	INSTALL PROFILE RESILIENT BASE (RES-2) AT ALL CABINETS.
F4	SEAL ALL PERIMETER EDGES OF SS WALL PANELS WITH CLEAR SEALANT. FLOOR TO SLOPE TO DRAIN. RESINOUS FLOOR TO HAVE ADDED NO SLIP TEXTURE IN SHOWER AREA.
F5	WINDOW SHADE WS-2
F6	WINDOW SHADE WS-1.
F7	PAINT ALL EXPOSE NON-GALVANIZED STEEL (RAILINGS, STRINGER, ETC.) COLOR TO BE SELECTED. TYPICAL FOR ALL LEVELS WITH THE HOSE TOWER. PAINT CEILING AND EXPOSED STRUCTURE, INCLUDING ANY EXPOSED CONDUIT.
F8	CEILING AND EXPOSED STEEL STRUCTURE TO BE PAINTED. PAINT ALL EXPOSED CONDUIT, ALL WALLS TO BE PAINTED. WALLS TO HAVE 16" TALL RED STRIPE ON ALL WALLS. TOP OF STRIPE TO BE AT 14'-0". WALLS TO BE PAINTED WITH COLOR 1 BELOW RED STRIPE AND COLOR 2 ABOVE RED STRIPE. COLOR TO BE SELECTED.
F9	EXPOSED STEEL STRUCTURE TO BE PAINTED. PAINT ALL EXPOSED CONDUIT.



1 / A961 PARTIAL FINISH PLAN - WEST
3/16" = 1'-0"

FINISH LEGEND

Symbol		Specification Section	Manufacturer	Series/Pattern	Color	Remarks
Acoustical Panel Ceiling						
APC-1	Acoustical Panel Ceiling	095113	USG	Frost - 440	White	24"x24"x3/4" SLB, 15/16" USG DX Grid or Approved Equal
APC-2	Acoustical Panel Ceiling	095113	Armstrong	Ultima High NRC - 2081		24X24X1 Beveled Tegular 15/16" Grid or Approved Equal
Carpet Tile						
CPT-1	Carpet Tile	096813	To be Determined		Color to Be Selected	Admin. Flooring
CPT-2	Carpet Tile	096813	To be Determined		Color to Be Selected	Living Quarters Flooring
Glass mosaic Tile						
GMT-1	Glass mosaic Tile	093000	To be Determined			Kitchen Backsplash
High Pressure Laminate						
HPL-1	High Pressure Laminate	064023	Wilsonart or Approved Equal		Color to Be Selected	Admin. Casework
HPL-2	High Pressure Laminate	064023	Wilsonart or Approved Equal		Color to Be Selected	Living Quarters Casework
HPL-3	High Pressure Laminate	064023	Wilsonart or Approved Equal		Color to Be Selected	Countertops
Luxury Vinyl Plank						
LVP-1	Luxury Vinyl Plank	096519	To be Determined		Color to Be Selected	Admin. Flooring
LVP-2	Luxury Vinyl Plank	096519	To be Determined		Color to Be Selected	Living Quarters Flooring
Paint						
PT-1	Paint	099123	Sherwin Williams or Approved Equal			Field Paint
PT-2	Paint	099123	Sherwin Williams or Approved Equal			Admin. Accent Paint
PT-3	Paint	099123	Sherwin Williams or Approved Equal			Living Quarters Accent Paint
PT-4	Paint	099123	Sherwin Williams or Approved Equal			Soffit Paint
Resilient Base						
RES-1	Resilient Base	096513	Tarkett or Approved Equal	4" Vinyl Coved Base		Typical Base
RES-2	Resilient Base	096513	Tarkett or Approved Equal.	Profile Base - Monument MW-XX-S4		Base at Kitchen Casework
Resinous Floor						
RF-1	Resinous Floor	096723	Tnemec or Approved Equal	Deco Flec	Color to Be Selected	Admin. Toilet Rooms
RF-2	Resinous Floor	096723	Tnemec or Approved Equal	Deco Flec	Color to Be Selected	Living Quarters Toilet Rooms
Resinous Floor Base						
RFB-1	Resinous Floor Base	096723	Tnemec or Approved Equal	Deco Flec	Color to Be Selected	Admin. Toilet Rooms
RFB-2	Resinous Floor Base	096723	Tnemec or Approved Equal	Deco Flec	Color to Be Selected	Living Quarters Toilet Rooms
Rubber Flooring						
RUF-1	Rubber Flooring	096516	Ecore or Approved Equal	Performance Motivate		Weight Room
Sealed Concrete						
SC-1	Sealed Concrete	096519				
Solid Surface						
SS-1	Solid Surface	064023	Corian or Approved Equal		Color to Be Selected	Admin. Countertops
SS-2	Solid Surface	064023	Corian or Approved Equal		Color to Be Selected	Living Quarters Countertops
SS-3	Solid Surface	064023	Corian or Approved Equal		Color to Be Selected	Living Quarters Kitchen Countertops
SS-4	Solid Surface	064023	Corian or Approved Equal		Color to Be Selected	Window Sills
SS-5	Solid Surface	064023	Corian or Approved Equal		Color to Be Selected	Shower Walls
Window Shade						
WS-1	Window Shade	122413	Mecho Shade or Approved Equal	Mecho / 5	Light Filtering Fabric - 3% Color as selected by Architect from Full Range	Non-Bunk Room Windows
WS-2	Window Shade	122413	Mecho Shade or Approved Equal	Mecho / 5	Blackout Fabric - Color as Selected by Architect from Full Range.	Bunk Rooms
Wood Cabinets						
WC-1	Wood Cabinets	123530	Kraftmaid or Approved Equal	Plain Slice White Maple	To Be Determined	Living Quarters Kitchen Cabinets

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Wright City, MO 63390

Revisions:

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1	2025-09-15	ADD. NO. 1
2	2025-09-19	ADD NO. 2

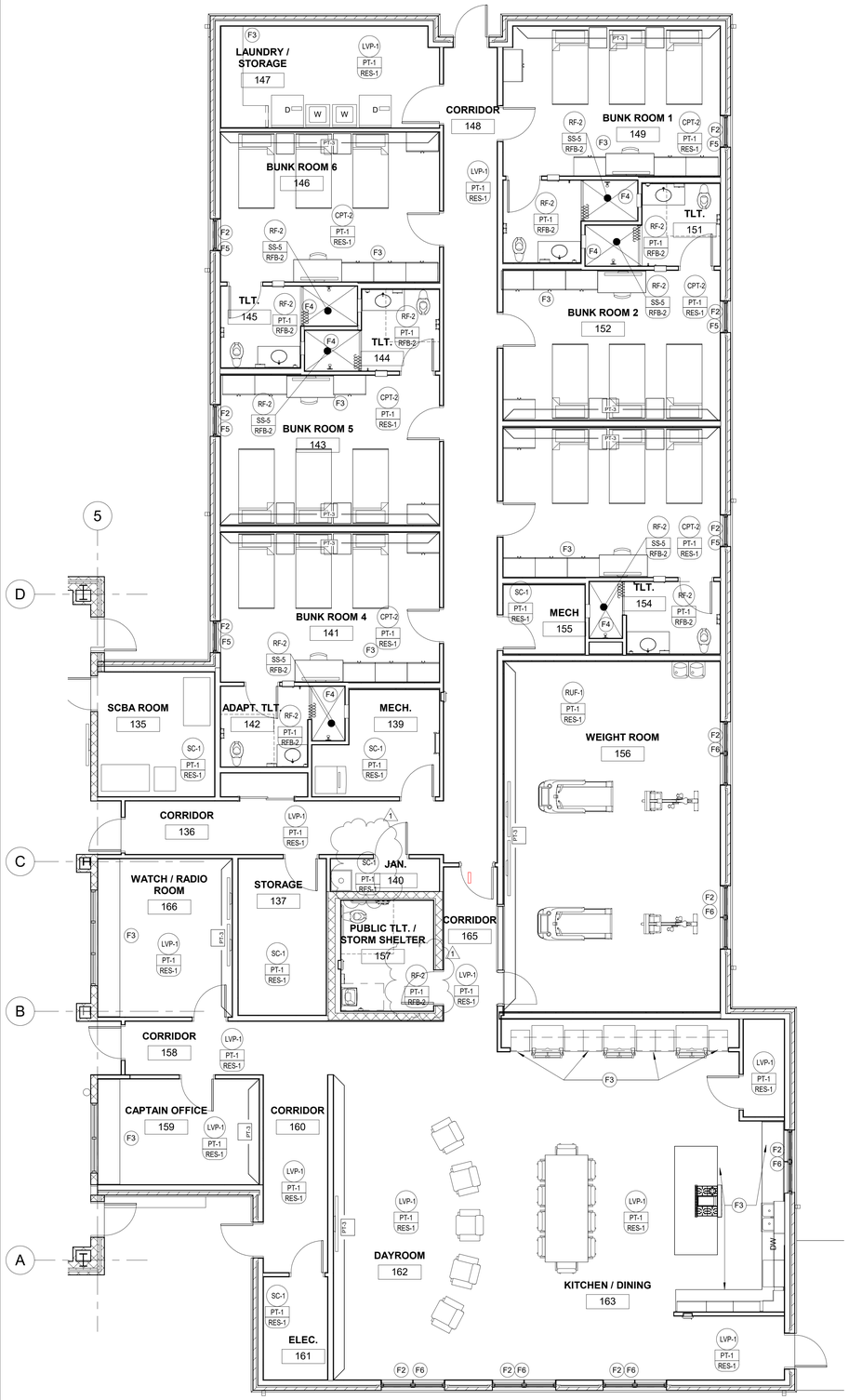
Sheet Info:

PARTIAL ROOM FINISH PLAN (WEST) AND LEGEND

Drawn By:	CEC
Checked By:	DGC
Commission:	025-2125
Date:	2025-09-05

A961

9/19/2025 2:46:10 PM



1 PARTIAL FINISH PLAN - EAST
A962 3/16" = 1'-0"

9/19/2025 2:46:14 PM

FINISH LEGEND

Symbol		Specification Section	Manufacturer	Series/Pattern	Color	Remarks
Acoustical Panel Ceiling						
APC-1	Acoustical Panel Ceiling	095113	USG	Frost - 440	White	24"x24"x3/4" SLB, 15/16" USG DX Grid or Approved Equal
APC-2	Acoustical Panel Ceiling	095113	Armstrong	Ultima High NRC - 2081		24X24X1 Beveled Tegular 15/16" Grid or Approved Equal
Carpet Tile						
CPT-1	Carpet Tile	096813	To be Determined		Color to Be Selected	Admin. Flooring
CPT-2	Carpet Tile	096813	To be Determined		Color to Be Selected	Living Quarters Flooring
Glass mosaic Tile						
GMT-1	Glass mosaic Tile	093000	To be Determined			Kitchen Backsplash
High Pressure Laminate						
HPL-1	High Pressure Laminate	064023	Wilsonart or Approved Equal		Color to Be Selected	Admin. Casework
HPL-2	High Pressure Laminate	064023	Wilsonart or Approved Equal		Color to Be Selected	Living Quarters Casework
HPL-3	High Pressure Laminate	064023	Wilsonart or Approved Equal		Color to Be Selected	Countertops
Luxury Vinyl Plank						
LVP-1	Luxury Vinyl Plank	096519	To be Determined		Color to Be Selected	Admin. Flooring
LVP-2	Luxury Vinyl Plank	096519	To be Determined		Color to Be Selected	Living Quarters Flooring
Paint						
PT-1	Paint	099123	Sherwin Williams or Approved Equal			Field Paint
PT-2	Paint	099123	Sherwin Williams or Approved Equal			Admin. Accent Paint
PT-3	Paint	099123	Sherwin Williams or Approved Equal			Living Quarters Accent Paint
PT-4	Paint	099123	Sherwin Williams or Approved Equal			Soffit Paint
Resilient Base						
RES-1	Resilient Base	096513	Tarkett or Approved Equal	4" Vinyl Coved Base		Typical Base
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Resinous Floor						
RF-1	Resinous Floor	096723	Tnemec or Approved Equal	Deco Flec	Color to Be Selected	Admin. Toilet Rooms
RF-2	Resinous Floor	096723	Tnemec or Approved Equal	Deco Flec	Color to Be Selected	Living Quarters Toilet Rooms
Resinous Floor Base						
RFB-1	Resinous Floor Base	096723	Tnemec or Approved Equal	Deco Flec	Color to Be Selected	Admin. Toilet Rooms
RFB-2	Resinous Floor Base	096723	Tnemec or Approved Equal	Deco Flec	Color to Be Selected	Living Quarters Toilet Rooms
Rubber Flooring						
RUF-1	Rubber Flooring	096516	Ecore or Approved Equal	Performance Motivate		Weight Room
Sealed Concrete						
SC-1	Sealed Concrete	096519				
Solid Surface						
SS-1	Solid Surface	064023	Corian or Approved Equal		Color to Be Selected	Admin. Countertops
SS-2	Solid Surface	064023	Corian or Approved Equal		Color to Be Selected	Living Quarters Countertops
SS-3	Solid Surface	064023	Corian or Approved Equal		Color to Be Selected	Living Quarters Kitchen Countertops
SS-4	Solid Surface	064023	Corian or Approved Equal		Color to Be Selected	Window Sills
SS-5	Solid Surface	064023	Corian or Approved Equal		Color to Be Selected	Shower Walls
Window Shade						
WS-1	Window Shade	122413	Mecho Shade or Approved Equal	Mecho / 5	Light Filtering Fabric - 3% Color as selected by Architect from Full Range	Non-Bunk Room Windows
WS-2	Window Shade	122413	Mecho Shade or Approved Equal	Mecho / 5	Blackout Fabric - Color as Selected by Architect from Full Range.	Bunk Rooms
Wood Cabinets						
WC-1	Wood Cabinets	123530	Kraftmaid or Approved Equal	Plain Slice White Maple	To Be Determined	Living Quarters Kitchen Cabinets

FINISH PLAN GENERAL NOTES

1	REFER TO FINISH PLANS FOR EXTENT AND TYPE OF FLOOR AND WALL FINISHES.
2	REFER TO REFLECTED CEILING PLANS FOR EXTENT OF CEILING TYPES.
3	REFER TO INTERIOR ELEVATIONS FOR EXTENT AND TYPE OF MILLWORK FINISHES.
4	WHERE FLOOR FINISHES CHANGE AT CASED OPENINGS, THE FINISH CHANGE SHALL OCCUR AT THE CENTERLINE OF THE CASED OPENING. WHERE FLOOR FINISHES CHANGE AT DOORWAYS, THE FINISH CHANGE SHALL OCCUR AT THE CENTERLINE OF THE DOOR IN THE CLOSED POSITION.
5	FLOOR TRANSITIONS BETWEEN MATERIALS SHOULD BE FLUSH. FEATHER SUBFLOOR TO MAKE FLUSH TRANSITION AS REQUIRED..
6	ALL HOLLOW METAL FRAMES TO BE PAINTED. COLOR TO MATCH ADJACENT WALL PAINT.
7	PROVIDE MOISTURE MITIGATION IN BASE COST OF RESINOUS FLOORING.
8	ALL PLUMBING WALLS AND ALL WALLS/PARTITIONS WITHIN 2 FEET OF SERVICE SINKS, URINALS AND WATER CLOSETS TO HAVE MOISTURE RESISTANT GWB. EXTERIOR WINDOW HEADS/JAMBS THAT ARE TO HAVE GWB ARE TO HAVE MOISTURE RESISTANT GWB.

KEYED NOTES - FINISH PLAN

F1	NO RESILIENT BASE REQUIRED AT CMU WALLS.
F2	1/2" SOLID SURFACE WINDOW SILL. (SS-4) NOTE THAT SILL TO RETURN DOWN 1" AND TO EXTEND BEYOND WINDOW JAMBS BY 1/2".
F3	INSTALL PROFILE RESILIENT BASE (RES-2) AT ALL CABINETS.
F4	SEAL ALL PERIMETER EDGES OF SS WALL PANELS WITH CLEAR SEALANT. FLOOR TO SLOPE TO DRAIN. RESINOUS FLOOR TO HAVE ADDED NO SLIP TEXTURE IN SHOWER AREA.
F5	WINDOW SHADE WS-2
F6	WINDOW SHADE WS-1.
F7	PAINT ALL EXPOSE NON-GALVANIZED STEEL (RAILINGS, STRINGER, ETC.) COLOR TO BE SELECTED. TYPICAL FOR ALL LEVELS WITH THE HOSE TOWER. PAINT CEILING AND EXPOSED STRUCTURE, INCLUDING ANY EXPOSED CONDUIT.
F8	CEILING AND EXPOSED STEEL STRUCTURE TO BE PAINTED. PAINT ALL EXPOSED CONDUIT, ALL WALLS TO BE PAINTED. WALLS TO HAVE 16" TALL RED STRIPE ON ALL WALLS. TOP OF STRIPE TO BE AT 14'-0". WALLS TO BE PAINTED WITH COLOR 1 BELOW RED STRIPE AND COLOR 2 ABOVE RED STRIPE. COLOR TO BE SELECTED.
F9	EXPOSED STEEL STRUCTURE TO BE PAINTED. PAINT ALL EXPOSED CONDUIT.

sfCoady 2
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WCFPD Station 1
Wright City Fire Protection District
60 Bell Road
Wright City, MO 63390

Revisions:

No:	Date:	Description:
1	2025-09-19	ADD NO. 2

Sheet Info:

PARTIAL ROOM FINISH PLAN (EAST) AND LEGEND

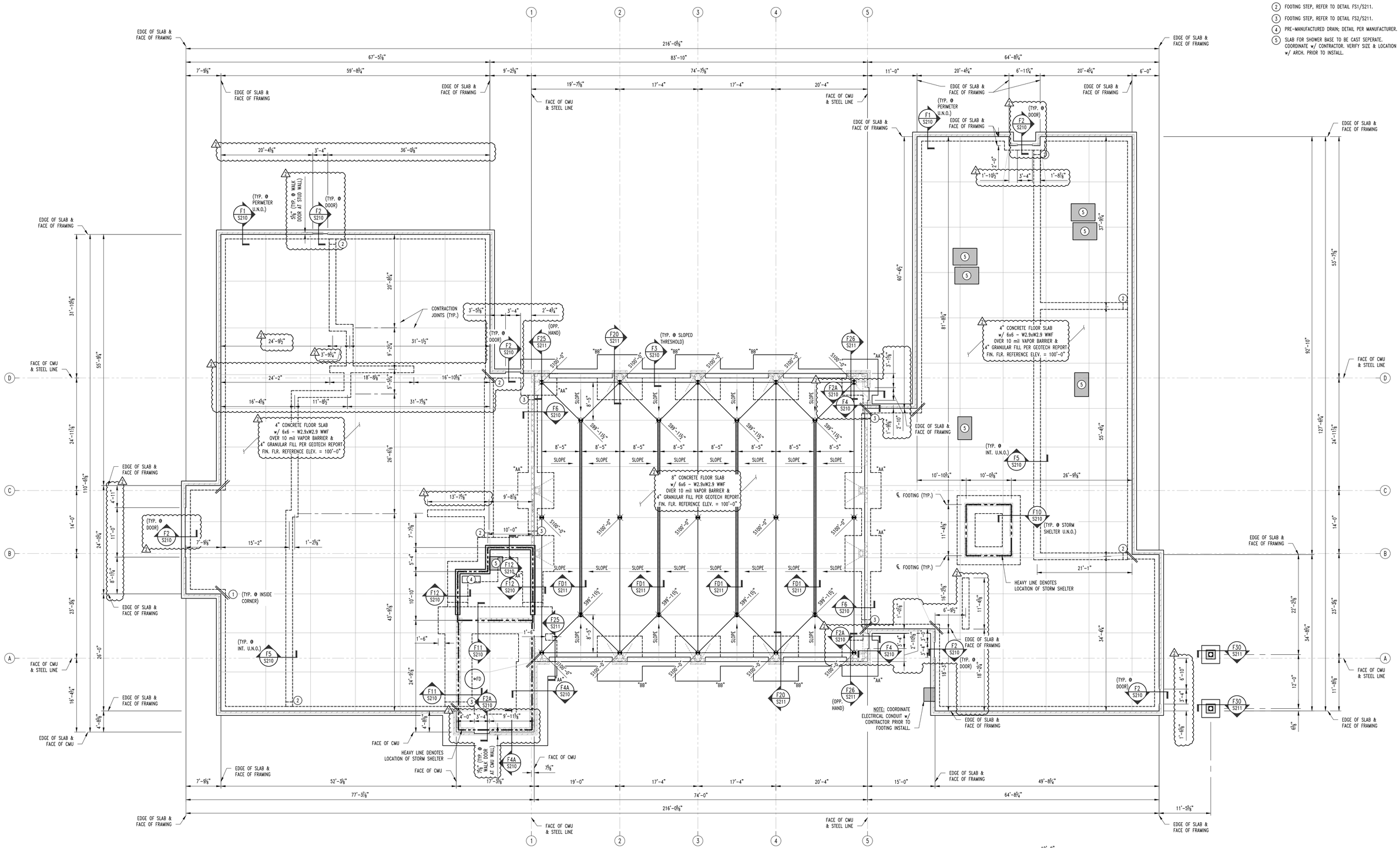
Drawn By:	CEC
Checked By:	DGC
Commission:	025-2125
Date:	2025-09-05

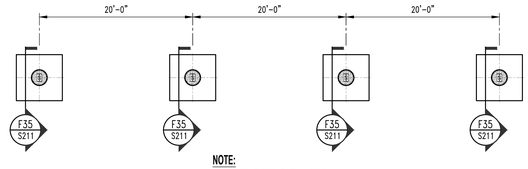
A962

NOTE:
ALL DIMENSIONS ARE FROM FACE OF FOUNDATION WALL OR FRAMING;
EDGE OF SLAB OR TRUSS/RAFTER; OR CENTERLINE
OF COLUMN, BEAM, OR JOIST UNLESS NOTED OTHERWISE.

FOUNDATION NOTES

1. REENTRANT CORNER BARS, REFER TO TYPICAL CRACK CONTROL REINFORCING DETAIL ON SHEET S210.
2. FOOTING STEP, REFER TO DETAIL FS1/S211.
3. FOOTING STEP, REFER TO DETAIL FS2/S211.
4. PRE-MANUFACTURED DRAIN; DETAIL PER MANUFACTURER.
5. SLAB FOR SHOWER BASE TO BE CAST SEPERATE. COORDINATE w/ CONTRACTOR. VERIFY SIZE & LOCATION w/ ARCH. PRIOR TO INSTALL.



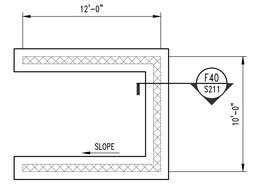


NOTE:
TWO TOTAL CANOPIES (SEE CIVIL)

2 S200 **PARKING CANOPY FOOTING PLAN**
SCALE: 3/8" = 1'-0"

1 S200 **FOUNDATION PLAN**
SCALE: 3/8" = 1'-0"

NOTE:
1" MINUS ROCK UNDER FOOTINGS & SLAB TO BE ALTERNATE. REFER TO TYP. DETAIL ON SHEET S210 FOR ROCK EXTENTS.



NOTE:
REFER TO CIVIL DRAWING FOR REMAINING INFO

3 S200 **DUMPSTER ENCLOSURE FOUNDATION PLAN**
SCALE: 3/16" = 1'-0"

TRUE NORTH

FOOTING SCHEDULE

MARK	WIDTH (W)	LENGTH (L)	DEPTH (D)	REINFORCING
"AA"	8'-0" SQ.	---	3'-0"	9 - #5 x 7'-6" EACH WAY, TOP & BOTTOM
"BB"	10'-0" SQ.	---	3'-0"	11 - #5 x 9'-6" EACH WAY, TOP & BOTTOM

REVISIONS:

No.	Date
PERMIT SET	09/04/2025
ADDENDUM #1	09/15/2025
2 ADDENDUM #2	09/19/2025

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY

STATE OF MISSOURI
GREGORY L. LINNEMAN
NUMBER PE-2009001013
9/19/25
GREGORY L. LINNEMAN - PE
MO LICENSE - 2009001013

STRUCTURAL ENGINEER:
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Crockett Engineering Consultants, LLC
Missouri Certificate of Authority
#2009013101

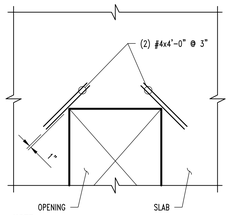
CLIENT:
LCS LLC
1027 COOL SPRINGS INDUSTRIAL DR
O'FALLON, MO

Wright City Fire Department - House #1

60 BELL ROAD
WRIGHT CITY, WARREN COUNTY, MISSOURI

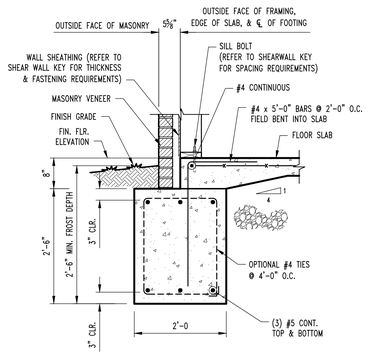
DRAWING INCLUDES:
FOUNDATION PLAN

DESIGNED: GLL
DRAWN: SEH
PROJECT NO.: 250264
SHEET: S200

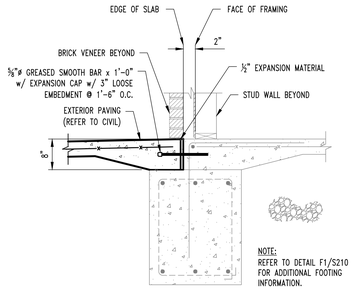


NOTE:
TYPICAL AT ALL REENTRANT CORNERS FOR SLAB-ON-GRADE & STRUCTURAL SLAB. REINFORCING TO BE CENTERED IN SLAB THICKNESS.

CRACK CONTROL REINFORCING

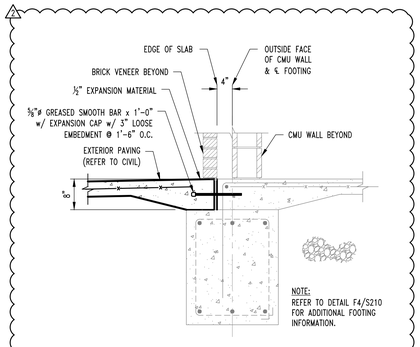


F1 S200 **CONT. FOOTING SECTION**
SCALE: ¾" = 1'-0"



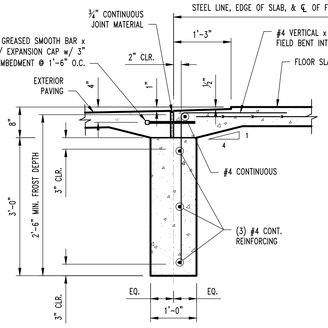
NOTE:
REFER TO DETAIL F1/S210 FOR ADDITIONAL FOOTING INFORMATION.

F2 S200 **CONT. FOOTING SECTION @ WALK DOORS**
SCALE: ¾" = 1'-0"

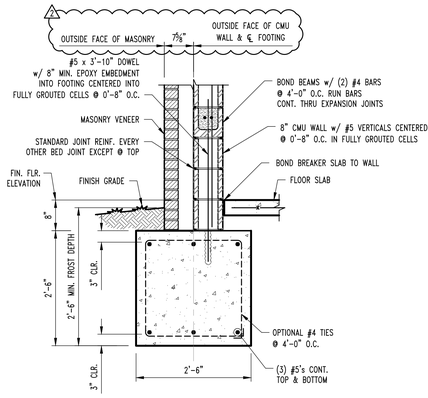


NOTE:
REFER TO DETAIL F4/S210 FOR ADDITIONAL FOOTING INFORMATION.

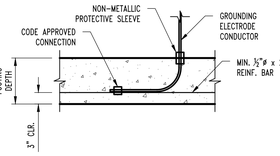
F2A S200 **CONT. FOOTING SECTION @ WALK DOORS**
SCALE: ¾" = 1'-0"



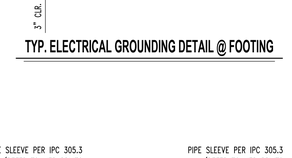
F3 S200 **SLOPED THRESHOLD SECTION @ OVHD DOOR**
SCALE: ¾" = 1'-0"



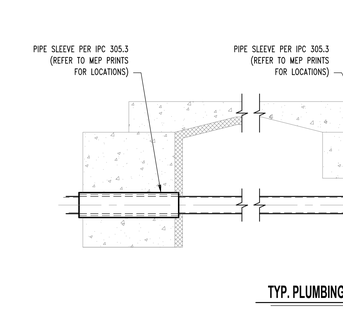
F4 S200,S210 **CONT. FOOTING SECTION**
SCALE: ¾" = 1'-0"



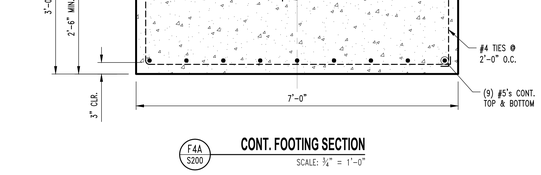
CONTRACTION JOINT



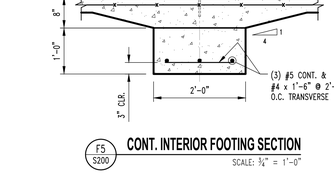
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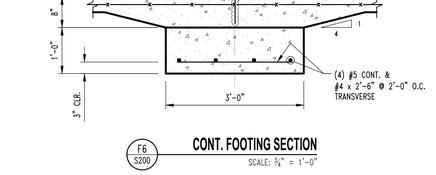
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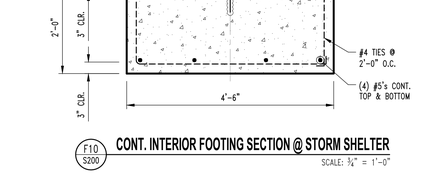
F4A S200 **CONT. FOOTING SECTION**
SCALE: ¾" = 1'-0"



F5 S200 **CONT. INTERIOR FOOTING SECTION**
SCALE: ¾" = 1'-0"

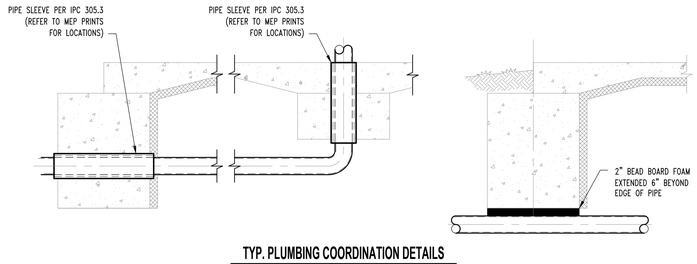


F6 S200 **CONT. FOOTING SECTION**
SCALE: ¾" = 1'-0"

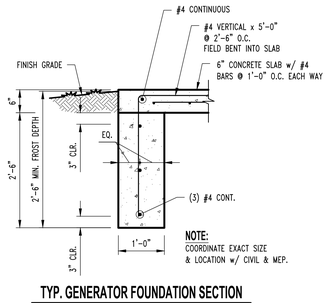


F10 S200 **CONT. INTERIOR FOOTING SECTION @ STORM SHELTER**
SCALE: ¾" = 1'-0"

TYP. ELECTRICAL GROUNDING DETAIL @ FOOTING

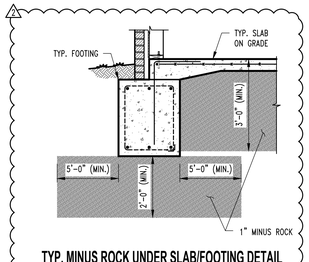


TYP. PLUMBING COORDINATION DETAILS

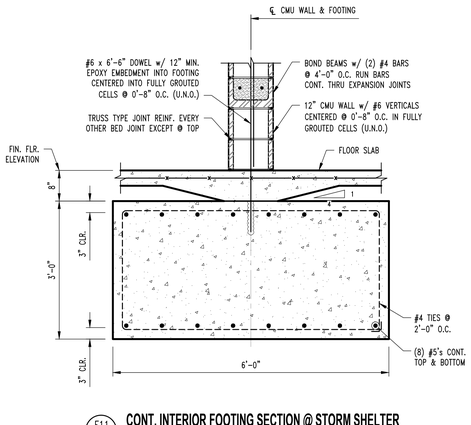


NOTE:
COORDINATE EXACT SIZE & LOCATION w/ CIVIL & MEP.

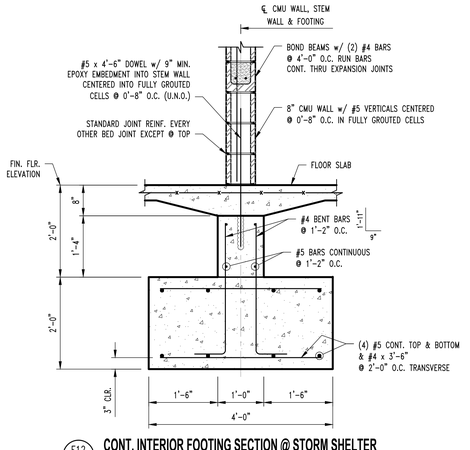
TYP. GENERATOR FOUNDATION SECTION



TYP. MINUS ROCK UNDER SLAB/FOOTING DETAIL



F11 S200 **CONT. INTERIOR FOOTING SECTION @ STORM SHELTER**
SCALE: ¾" = 1'-0"



F12 S200 **CONT. INTERIOR FOOTING SECTION @ STORM SHELTER**
SCALE: ¾" = 1'-0"

REVISIONS:

No.	Date
PERMIT SET	09/04/2025
ADDENDUM #1	09/15/2025
2 ADDENDUM #2	09/19/2025

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY

STATE OF MISSOURI
GREGORY L. LINNEMAN
NUMBER PE-2009001013
9/19/25
GREGORY L. LINNEMAN - PE
MO LICENSE - 2009001013

STRUCTURAL ENGINEER:
CROCKETT ENGINEERING CONSULTANTS
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(573) 447-0292
www.crockettengineering.com
Crockett Engineering Consultants, LLC
Missouri Certificate of Authority #2009031501

CLIENT:
LCS LLC
1027 COOL SPRINGS INDUSTRIAL DR
O'FALLON, MO

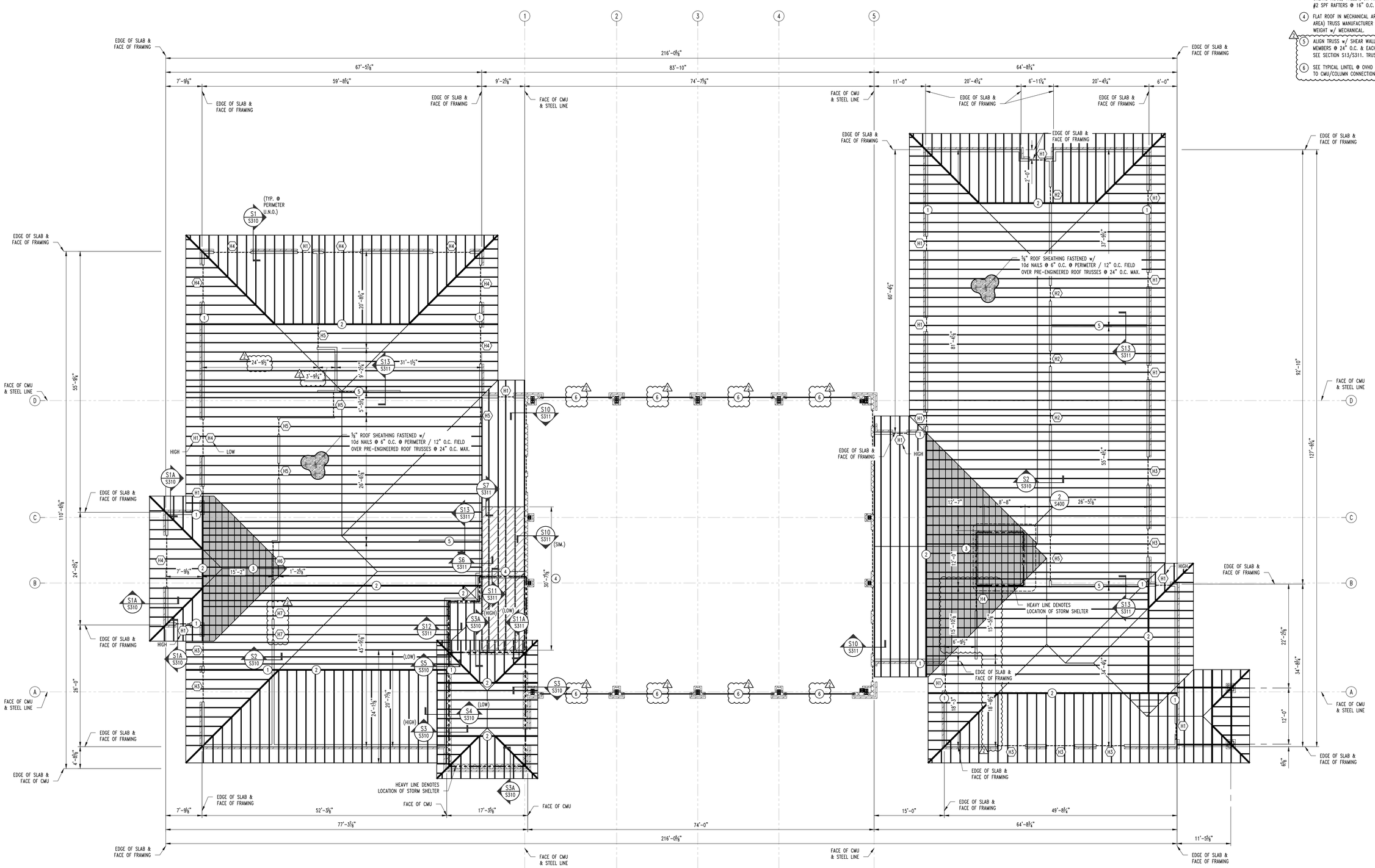
Wright City Fire Department - House #1

60 BELL ROAD
WRIGHT CITY, WARREN COUNTY, MISSOURI

DRAWING INCLUDES:
FOUNDATION DETAILS

DESIGNED:	GLL
DRAWN:	SEH
PROJECT NO.:	250264
SHEET:	S210

NOTE:
ALL DIMENSIONS ARE FROM FACE OF FOUNDATION WALL OR FRAMING;
EDGE OF SLAB OR TRUSS/RAFTER; OR CENTERLINE
OF COLUMN, BEAM, OR JOIST UNLESS NOTED OTHERWISE.



ROOF FRAMING NOTES

1. 3-PLY BUILT-UP POST BENEATH GIRDER TRUSS FASTENED w/ SIMPSON LGT3 @ TOP & SIMPSON LTTP2 @ BOTTOM
2. GIRDER TRUSS
3. FRAME ROOF OVER PRE-ENGINEERED TRUSSES TO CREATE RIDGE, VALLEY, OR HIP AS SHOWN w/ 2x #2 SPF RAFTERS @ 16" O.C. MAX.
4. FLAT ROOF IN MECHANICAL AREA. (CROSS HATCHED AREA) TRUSS MANUFACTURER COORDINATE CONDENSER WEIGHT w/ MECHANICAL.
5. ALIGN TRUSS w/ SHEAR WALL. PROVIDE VERTICAL MEMBERS @ 24" O.C. & EACH END OF SHEAR WALL. SEE SECTION S13/S311. TRUSS MANUFACTURER
6. SEE TYPICAL LINTEL @ OVHD DOORS & TYPICAL LINTEL TO CMU/COLUMN CONNECTION DETAILS ON SHEET S312.

1 S300 **ROOF FRAMING PLAN**
SCALE: ⅛" = 1'-0"

PLAN NORTH

LINTEL SCHEDULE

LENGTH OF SPAN	MEMBER SIZE (GALVANIZED)
4'-0" & LESS	L4x4x1/4 WITH 6" BEARING EACH END
6'-6" & LESS	L6x4x3/8 (LLV) WITH 6" BEARING EACH END
8'-0" & LESS	L6x4x3/8 (LLV) WITH 6" BEARING EACH END
12'-0" & LESS	L8x4x1/2 (LLV) WITH 12" BEARING EACH END*

* REQUIRES LINTEL TO BE FASTENED BACK TO LIGHT GAGE JAMB W/ GALVANIZED 1/2" A325 BOLT AT EACH END

HEADER SCHEDULE

LABEL	HEADER	CRIPPLE/JACK	JAMB/KING
"H1"	2 Ply 2x6 SPF #2	Single Ply 2x6 SPF #2	2 Ply 2x6 SPF #2
"H2"	2 Ply 2x8 Doug Fir #2	2 Ply 2x4 SPF #2	Single Ply 2x6 SPF #2
"H3"	2 Ply 2x8 Doug Fir #2	2 Ply 2x6 SPF #2	4 Ply 2x6 SPF #2
"H4"	2 Ply 2x10 Doug Fir Sel. Struct.	2 Ply 2x6 SPF #2	4 Ply 1.75x5.5 MicroLam 2.0E
"H5"	2 Ply 2x10 Doug Fir Sel. Struct.	3 Ply 2x6 SPF #2	2 Ply 2x6 SPF #2
"H6"	2 Ply 1.75x11.25 Microlam 2.0E	3 Ply 2x6 SPF #2	2 Ply 2x6 SPF #2

REVISIONS:

No.		Date
	PERMIT SET	09/04/2025
1	ADDENDUM #1	09/15/2025
2	ADDENDUM #2	09/19/2025

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY

STATE OF MISSOURI
GREGORY L. LINNEMAN
NUMBER PE-2009010130
9/19/25
GREGORY L. LINNEMAN - PE
MO LICENSE - 2009010130

STRUCTURAL ENGINEER:
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www.crockettengineering.com
Crockett Engineering Consultant, LLC
Missouri Certificate of Authority
#2009013130

CLIENT:
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O FALLON, MO

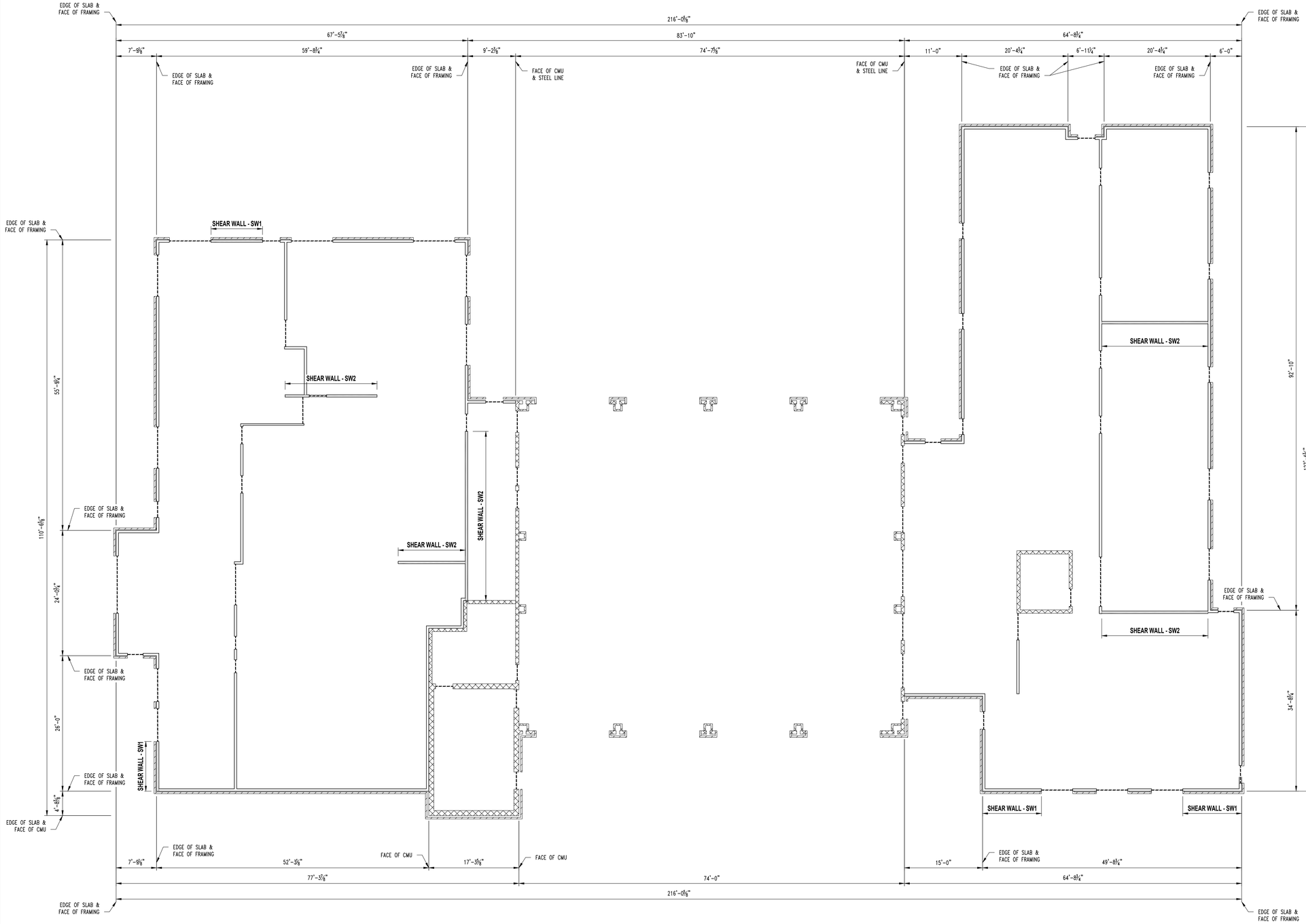
Wright City Fire Department - House #1

60 BELL ROAD
WRIGHT CITY, WARREN COUNTY, MISSOURI

DRAWING INCLUDES:
ROOF FRAMING PLAN

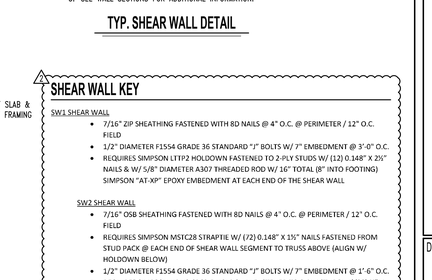
DESIGNED: GLL
DRAWN: SEH
PROJECT NO.: 250264
SHEET: S300

NOTE:
ALL DIMENSIONS ARE FROM FACE OF FOUNDATION WALL OR FRAMING;
EDGE OF SLAB OR TRUSS/RAFTER; OR CENTERLINE
OF COLUMN, BEAM, OR JOIST UNLESS NOTED OTHERWISE.



SHEAR WALL PLAN

1 / S300A — SCALE: 1/8" = 1'-0"



NOTES:
1. WHERE TWO SHEETS MEET, BOTH SHEETS SHOULD BE NAILED TO THE SAME FRAMING MEMBER.
2. WHEN SHEATHING NAILS ARE SPACED AT 2" O.C. FOR 8d NAILS OR 3" O.C. FOR 10d NAILS, 3x OR DOUBLE 2x FRAMING MEMBERS ARE REQUIRED WHERE SHEETS MEET. FACE NAIL DOUBLE 2x MEMBERS TOGETHER w/ 16d NAILS @ 24" O.C. STAGGERED EACH FACE OF STUD.
3. SEE WALL SECTIONS FOR ADDITIONAL INFORMATION.

TYP. SHEAR WALL DETAIL

SHEAR WALL KEY

SW1 SHEAR WALL
- 7/16" ZIP SHEATHING FASTENED WITH 8D NAILS @ 4" O.C. @ PERIMETER / 12" O.C. FIELD
- 1/2" DIAMETER F1554 GRADE 36 STANDARD "J" BOLTS W/ 7" EMBEDMENT @ 3'-0" O.C.
- REQUIRES SIMPSON LTP2 HOLDOWN FASTENED TO 2-PLY STUDS W/ (12) 0.148" X 2½" NAILS & W/ 5/8" DIAMETER A307 THREADED ROD W/ 16" TOTAL (8" INTO FOOTING) SIMPSON "AT-XP" EPOXY EMBEDMENT AT EACH END OF THE SHEAR WALL

SW2 SHEAR WALL
- 7/16" OSB SHEATHING FASTENED WITH 8D NAILS @ 4" O.C. @ PERIMETER / 12" O.C. FIELD
- REQUIRES SIMPSON MSTC28 STRAPTIE W/ (72) 0.148" X 1½" NAILS FASTENED FROM STUD PACK @ EACH END OF SHEAR WALL SEGMENT TO TRUSS ABOVE (ALIGN W/ HOLDOWN BELOW)
- 1/2" DIAMETER F1554 GRADE 36 STANDARD "J" BOLTS W/ 7" EMBEDMENT @ 1'-6" O.C.
- REQUIRES SIMPSON HDU8-SDS2.5 HOLDOWN FASTENED TO 3-PLY STUDS W/ (20) ¼" X 2½" SDS SCREWS & W/ 5/8" DIAMETER A307 THREADED ROD W/ 16" TOTAL (8" INTO FOOTING) SIMPSON "AT-XP" EPOXY EMBEDMENT AT EACH END OF THE SHEAR WALL

TYPICAL WALL UNLESS NOTED
- 7/16" ZIP SHEATHING FASTENED WITH 8D NAILS @ 4" O.C. @ PERIMETER / 12" O.C. FIELD
- 1/2" DIAMETER F1554 GRADE 36 STANDARD "J" BOLTS W/ 7" EMBEDMENT @ 3'-0" O.C.
- NO HOLDDOWNS REQUIRED

REVISIONS:

No.	Date
PERMIT SET	09/04/2025
ADDENDUM #1	09/15/2025
2 ADDENDUM #2	09/19/2025

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY

STATE OF MISSOURI — GREGORY L. LINNEMAN — NUMBER PE-2005001013 — 9/19/25

GREGORY L. LINNEMAN - PE
MO LICENSE - 2005001013

STRUCTURAL ENGINEER:
CROCKETT ENGINEERING CONSULTANTS
1000 W. Nifong Blvd. Bldg 1
Columbia, Missouri 65203
(573) 447-0292
www.crockettengineering.com
Crockett Engineering Consultants, LLC
Missouri Certificate of Authority
#2000131501

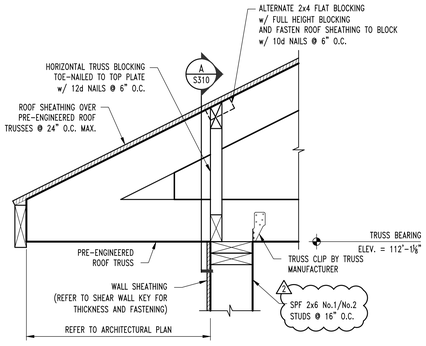
CLIENT:
LCS LLC
1027 COOL SPRINGS INDUSTRIAL DR
O'FALLON, MO

Wright City Fire Department - House #1

60 BELL ROAD
WRIGHT CITY, WARREN COUNTY, MISSOURI

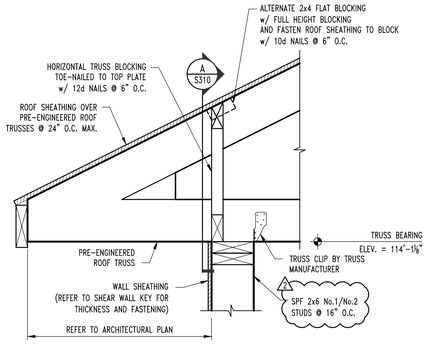
DRAWING INCLUDES:
SHEAR WALL PLAN

DESIGNED:	GLL
DRAWN:	SEH
PROJECT NO.:	250264
SHEET:	S300A



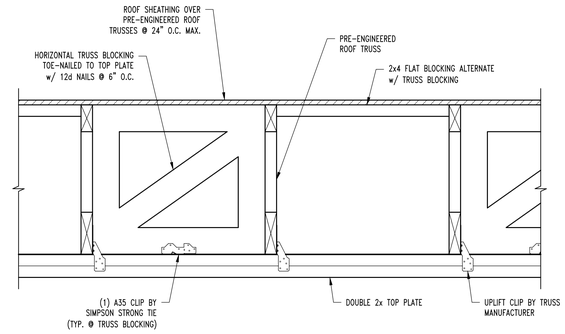
S1 / S300 **TYP. ROOF FRAMING SECTION**

SCALE: 1½" = 1'-0"



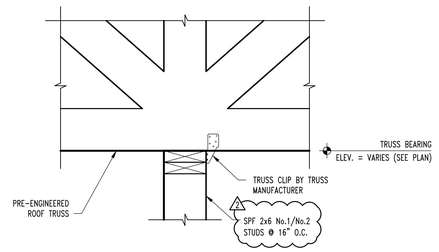
S1A / S300 **TYP. ROOF FRAMING SECTION**

SCALE: 1½" = 1'-0"



A / S310 **TYP. TRUSS BLOCKING SECTION**

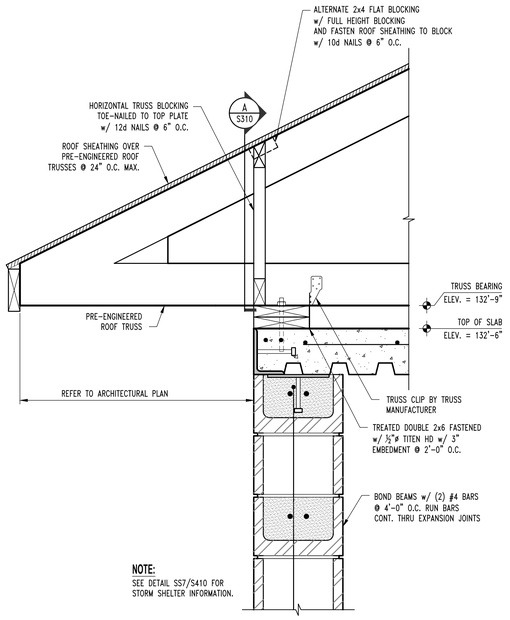
SCALE: 1½" = 1'-0"



S2 / S300 **ROOF FRAMING SECTION**

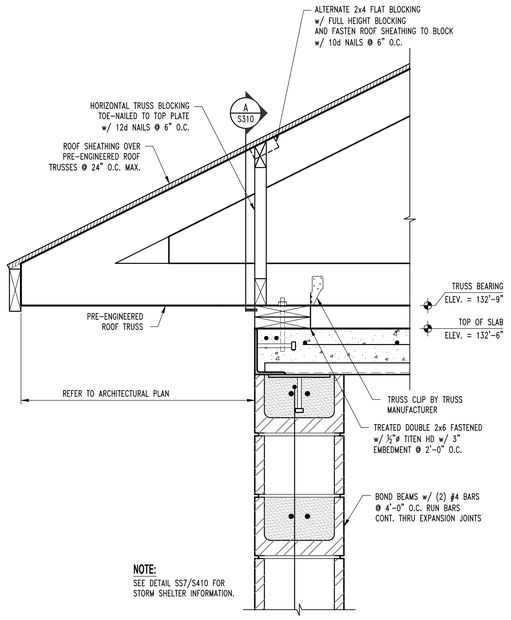
SCALE: 1½" = 1'-0"

NOTE:
STABILITY BRIDGING BY
TRUSS MANUFACTURER



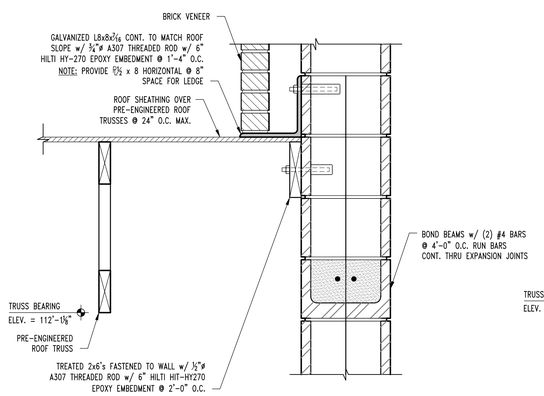
S3 / S300 **ROOF FRAMING SECTION**

SCALE: 1½" = 1'-0"



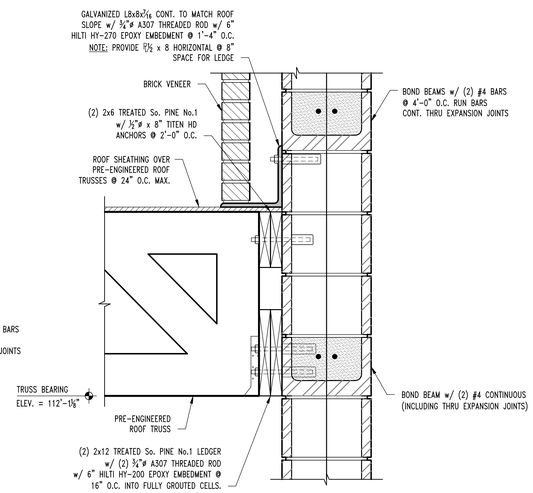
S3A / S300 **ROOF FRAMING SECTION**

SCALE: 1½" = 1'-0"



S4 / S300 **ROOF FRAMING SECTION**

SCALE: 1½" = 1'-0"



S5 / S300 **ROOF FRAMING SECTION**

SCALE: 1½" = 1'-0"

REVISIONS:

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NUMBER PE-2005001013
9/19/25
GREGORY L. LINNEMAN - PE
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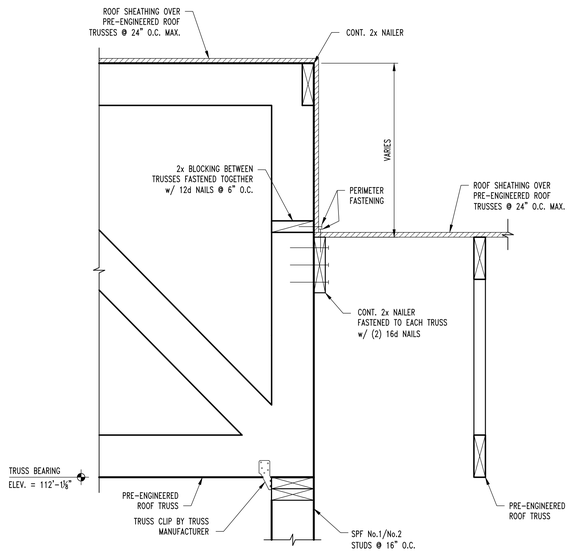
CLIENT:
LCS LLC
1027 COOL SPRINGS INDUSTRIAL DR
O FALLON, MO

Wright City Fire Department - House #1

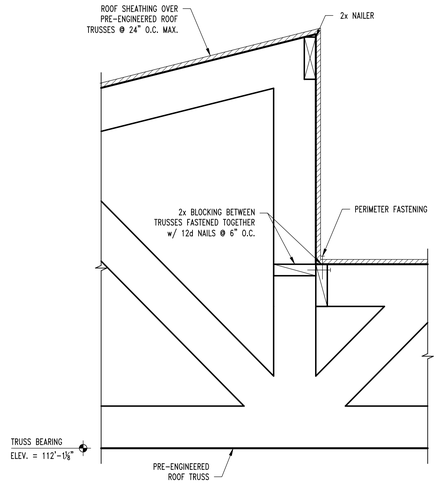
60 BELL ROAD
WRIGHT CITY, WARREN COUNTY, MISSOURI

DRAWING INCLUDES:
ROOF FRAMING DETAILS

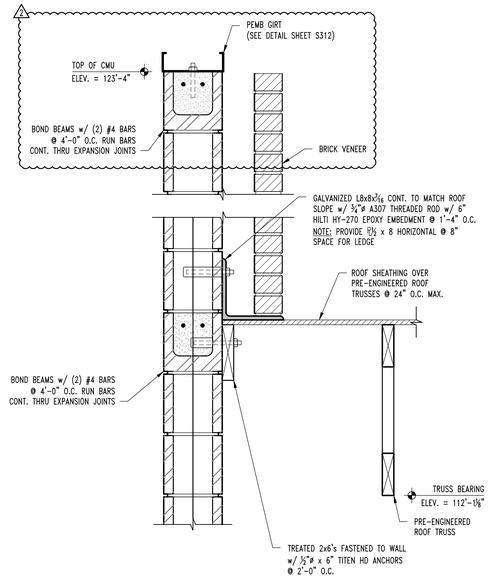
DESIGNED:	GLL
DRAWN:	SEH
PROJECT NO.:	250264
SHEET:	S310



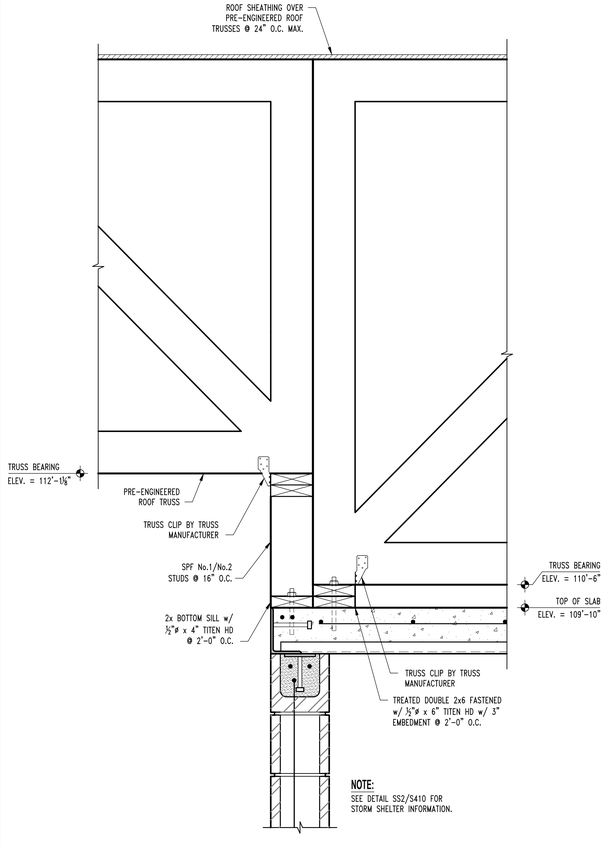
S6 / S300 **ROOF FRAMING SECTION**
SCALE: 1½" = 1'-0"



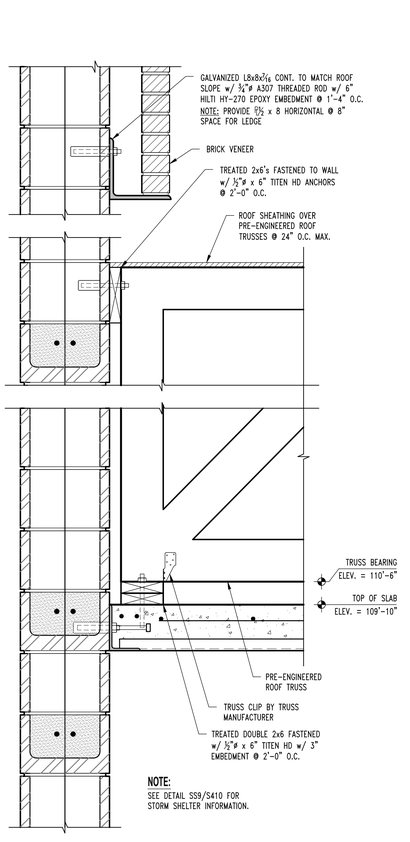
S7 / S300 **ROOF FRAMING SECTION**
SCALE: 1½" = 1'-0"



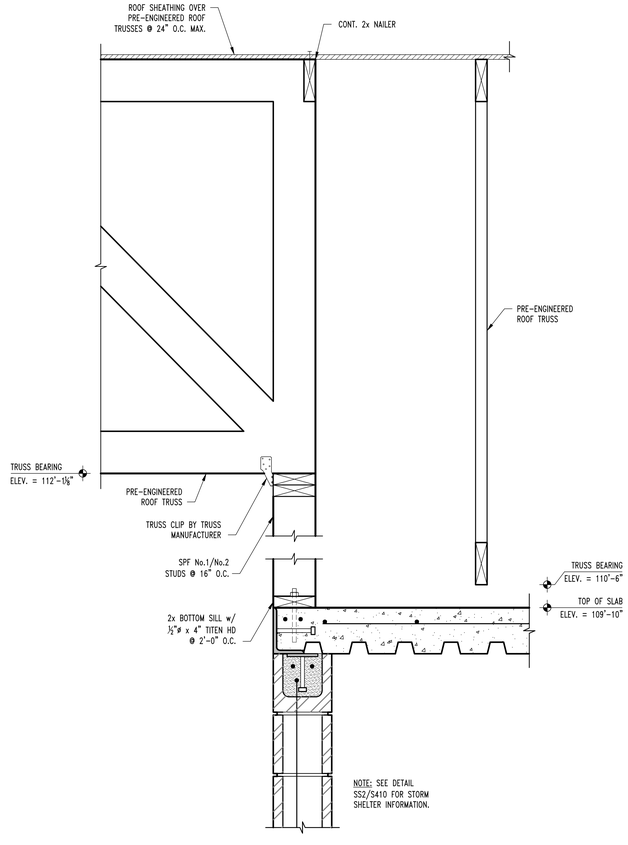
S10 / S300 **ROOF FRAMING SECTION**
SCALE: 1½" = 1'-0"



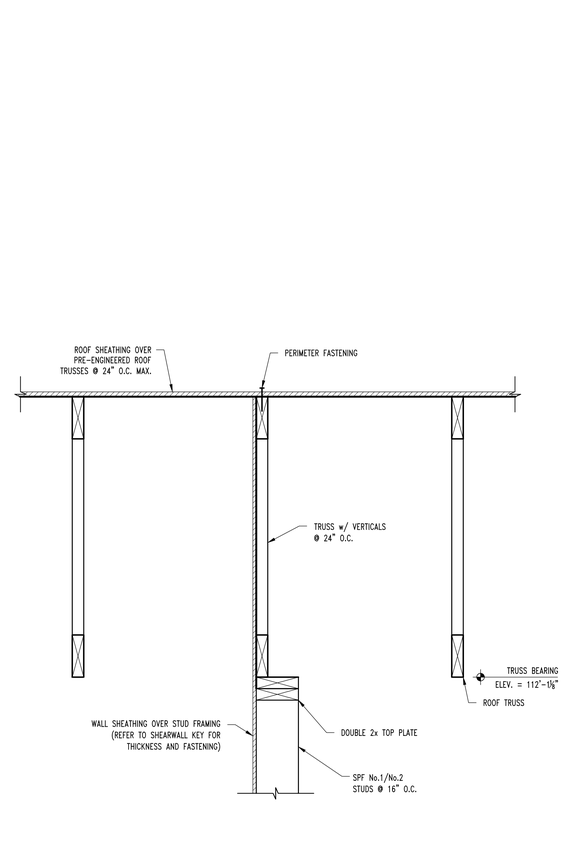
S11 / S300 **ROOF FRAMING SECTION**
SCALE: 1½" = 1'-0"



S11A / S300 **ROOF FRAMING SECTION**
SCALE: 1½" = 1'-0"



S12 / S300 **ROOF FRAMING SECTION**
SCALE: 1½" = 1'-0"



S13 / S300 **SHEAR WALL SECTION**
SCALE: 1½" = 1'-0"

REVISIONS:

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STATE OF MISSOURI
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9/19/25
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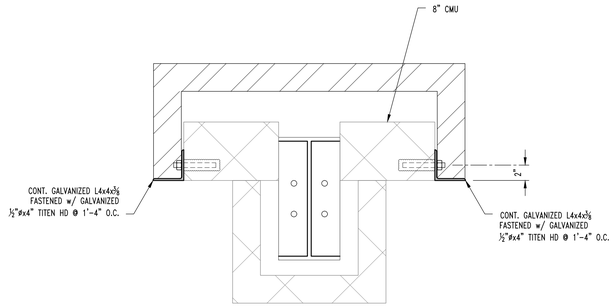
Wright City Fire Department - House #1

60 BELL ROAD
WRIGHT CITY, WARREN COUNTY, MISSOURI

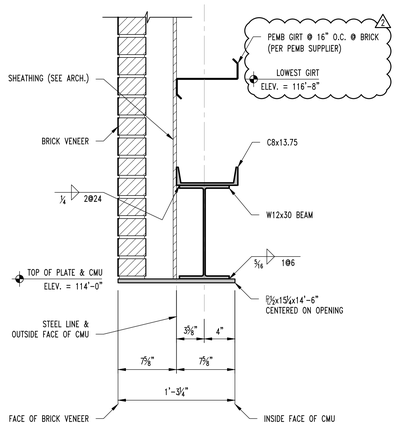
DRAWING INCLUDES:
ROOF FRAMING DETAILS

DESIGNED:	GLL
DRAWN:	SEH
PROJECT NO.:	250264

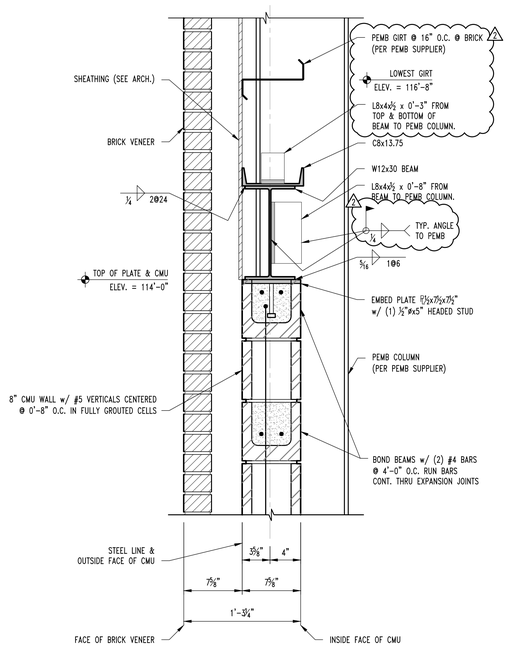
SHEET:
S311



TYP. JAM @ OVERHEAD DOOR

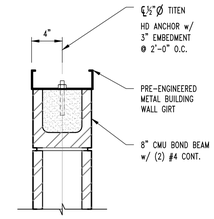


TYP. LINTEL @ OVHD DOORS

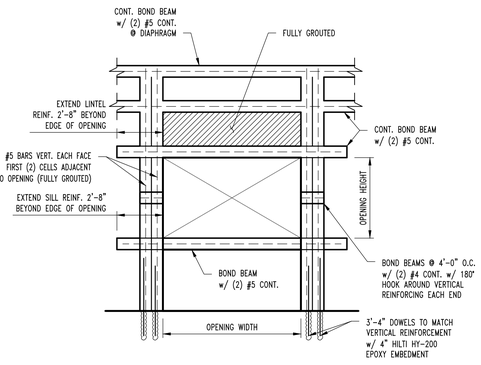


TYP. LINTEL TO CMU / COLUMN CONNECTION

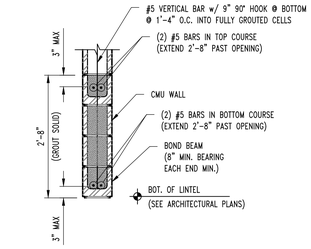
NOTE:
PEMB TO SUPPORT LINTEL TORSION LOADING OF 4,000 LB-FT & 5,000 LB VERTICAL DEAD LOAD.



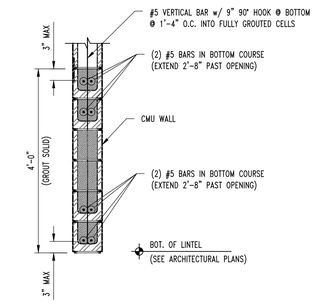
TYPICAL CMU TO GIRT CONNECTION



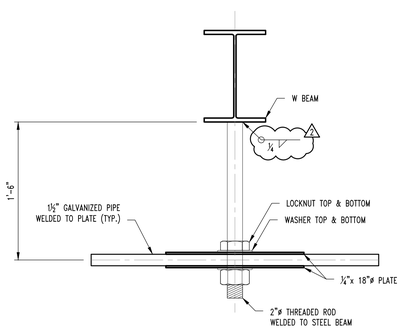
TYPICAL MASONRY OPENING REINFORCEMENT



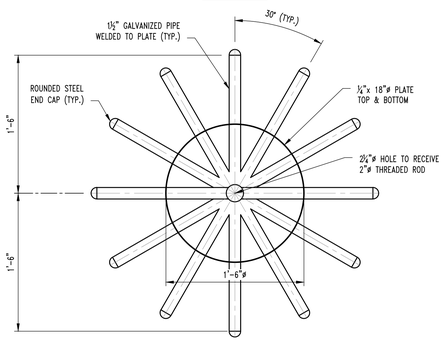
TYPICAL CMU LINTEL DETAIL UNDER 6'-0" WIDE



TYPICAL CMU LINTEL DETAIL OVER 6'-0" WIDE



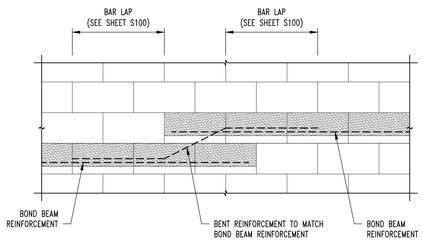
ELEVATION



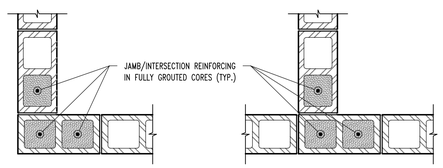
PLAN VIEW

TYP. HOSE WHEEL DETAIL

NOTE:
PROVIDE FOR (1) HOSE WHEEL IN THE HOSE TOWER

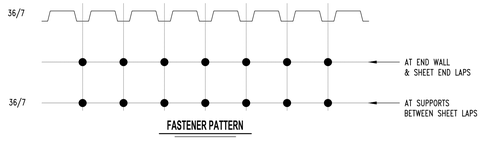


TYP. STEP IN BOND BEAM

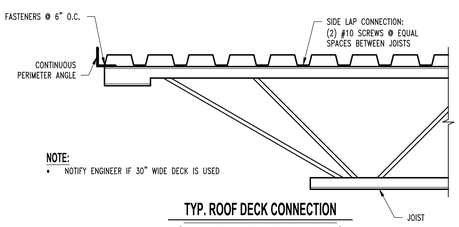


BRG. WALL CORNER **BRG. WALL INTERSECTION**

TYPICAL CMU WALL VERT REINFORCING



FASTENER PATTERN



NOTE:
- NOTIFY ENGINEER IF 30" WIDE DECK IS USED

TYP. ROOF DECK CONNECTION
(HILTI X-HSN24 FASTENER CONFIRMED BY HILTI)

REVISIONS:

No.	Date
PERMIT SET	09/04/2025
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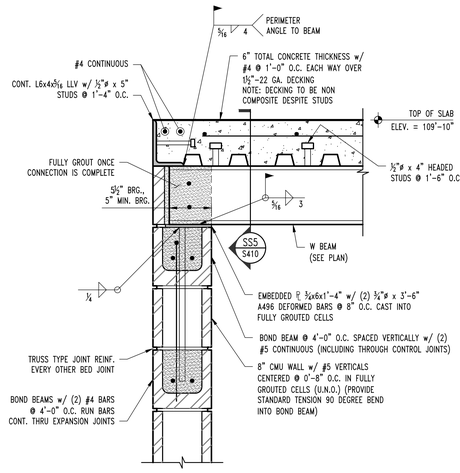
Wright City Fire Department - House #1

60 BELL ROAD
WRIGHT CITY, WARREN COUNTY, MISSOURI

DRAWING INCLUDES:
FRAMING & STANDARD CMU DETAILS

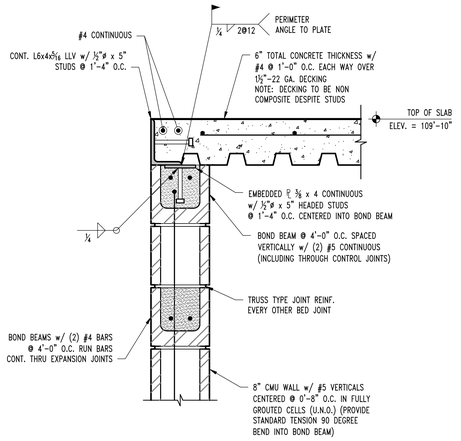
DESIGNED:	GLL
DRAWN:	SEH
PROJECT NO.:	250264

SHEET:
S312



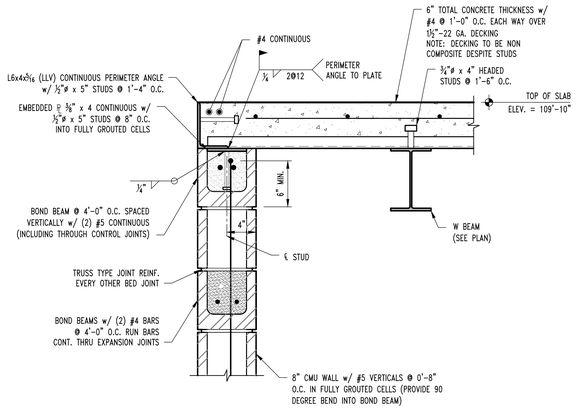
SS1 S400 **STORM SHELTER SECTION**

SCALE: 1½" = 1'-0"



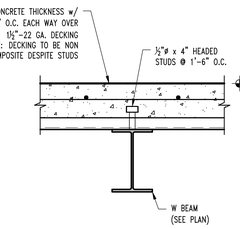
SS2 S400 **STORM SHELTER SECTION**

SCALE: 1½" = 1'-0"



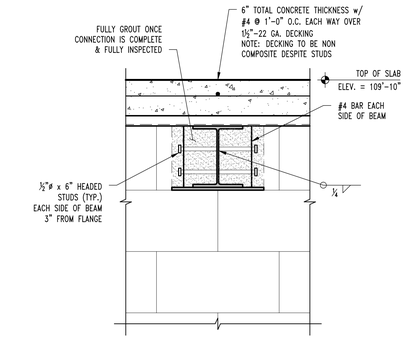
SS3 S400 **STORM SHELTER SECTION**

SCALE: 1½" = 1'-0"



SS4 S400 **STORM SHELTER SECTION**

SCALE: 1½" = 1'-0"



SS5 S410 **STORM SHELTER SECTION**

SCALE: 1½" = 1'-0"

SS6 S400 **STORM SHELTER SECTION**

SCALE: 1½" = 1'-0"

SS7 S400 **STORM SHELTER SECTION**

SCALE: 1½" = 1'-0"

SS8 S400 **STORM SHELTER SECTION**

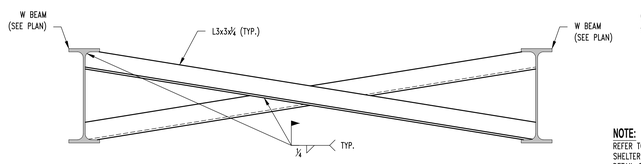
SCALE: 1½" = 1'-0"

SS9 S400 **STORM SHELTER SECTION**

SCALE: 1½" = 1'-0"

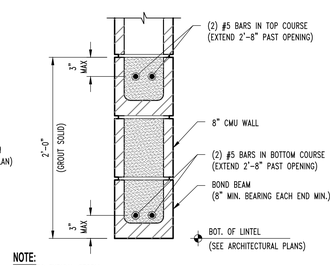
SS10 S400 **STORM SHELTER SECTION**

SCALE: 1½" = 1'-0"



SS11 S400 **STORM SHELTER BEAM WELDED CROSS BRIDGING**

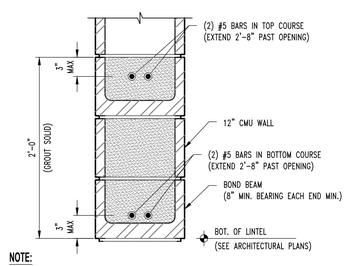
SCALE: 1½" = 1'-0"



NOTE: REFER TO TYPICAL STORM SHELTER MASONRY OPENING DETAIL ON SHEET S410 FOR ADDITIONAL REQUIREMENTS

NOTE: NO EXPANSION JOIST MAY OCCUR WITHIN HEADER REINFORCING

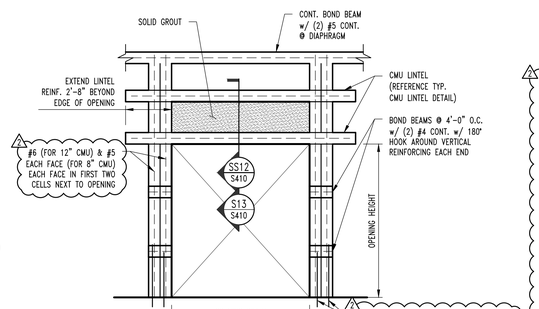
SS12 S410 **TYPICAL STORM SHELTER CMU LINTEL DETAIL**



NOTE: REFER TO TYPICAL STORM SHELTER MASONRY OPENING DETAIL ON SHEET S410 FOR ADDITIONAL REQUIREMENTS

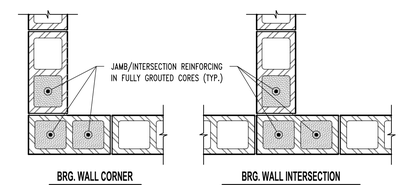
NOTE: NO EXPANSION JOIST MAY OCCUR WITHIN HEADER REINFORCING

SS13 S410 **TYPICAL STORM SHELTER CMU LINTEL DETAIL**

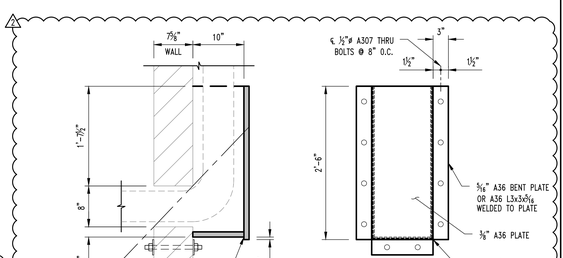


NOTE: NO EXPANSION JOIST MAY OCCUR WITHIN HEADER REINFORCING

TYPICAL HARDENED SPACE MASONRY OPENING REINFORCEMENT w/ NO STEEL HEADER



TYPICAL CMU WALL VERT REINFORCING



HORIZONTAL / VERTICAL PROTECTION PLATE FOR 8"Ø SQ. OPENING

REVISIONS:

No.	Date
PERMIT SET	09/04/2025
1 ADDENDUM #1	09/15/2025
2 ADDENDUM #2	09/19/2025

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY

GREGORY L. LINNEMAN NUMBER PE-2005001013 9/19/25

GREGORY L. LINNEMAN - PE MO LICENSE - 2005001013

STRUCTURAL ENGINEER: CROCKETT ENGINEERING CONSULTANTS
1000 W. Nifong Blvd., Bldg 1
Columbia, MO 65203
(573) 447-0292
www.crockettengineering.com
Crockett Engineering Consultants, LLC
Missouri Certificate of Authority #2006013501

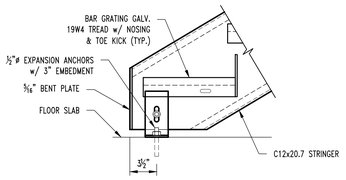
CLIENT: LCS LLC
1027 COOL SPRINGS INDUSTRIAL DR
O FALLON, MO

Wright City Fire Department - House #1

60 BELL ROAD
WRIGHT CITY, WARREN COUNTY, MISSOURI

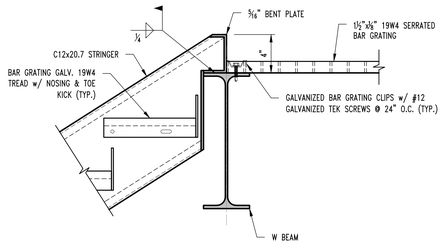
DRAWING INCLUDES: STORM SHELTER FRAMING DETAILS

DESIGNED:	GLL
DRAWN:	SEH
PROJECT NO.:	250264
SHEET:	S410



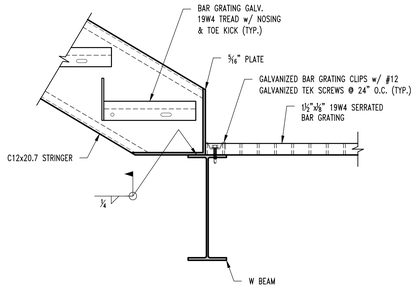
ST1 S500 **TYP. STAIR FRAMING SECTION**

SCALE: 1½" = 1'-0"



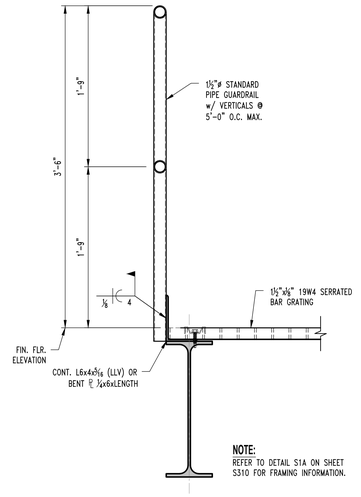
ST2 S500 **STAIR FRAMING SECTION**

SCALE: 1½" = 1'-0"



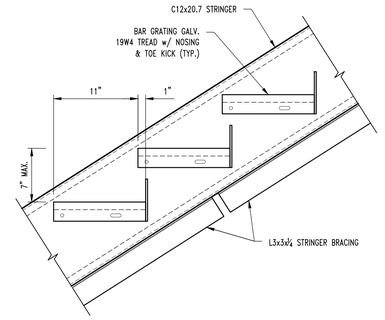
ST3 S500 **STAIR FRAMING SECTION**

SCALE: 1½" = 1'-0"

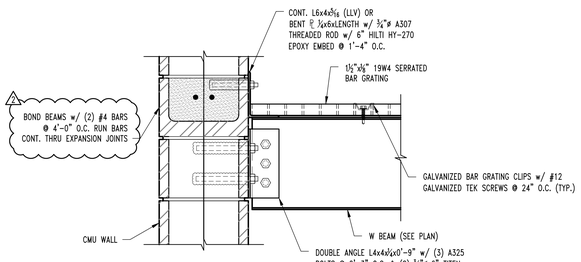


ST4 S500 **STAIR FRAMING SECTION**

SCALE: 1½" = 1'-0"

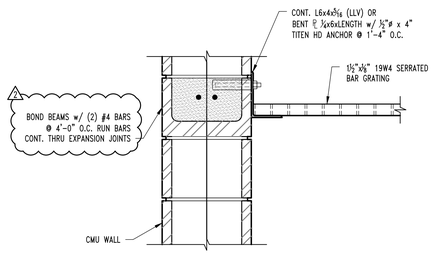


TYPICAL TREAD CONNECTION DETAIL



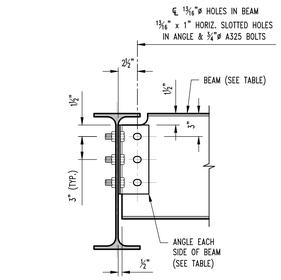
ST5 S500 **STAIR FRAMING SECTION**

SCALE: 1½" = 1'-0"



ST6 S500 **STAIR FRAMING SECTION**

SCALE: 1½" = 1'-0"



BEAM SIZE	No. OF BOLTS "N"	ANGLE SIZE
W12	3	L4x4x5/16x0'-9"

ST10 S300 **TYP. BEAM TO BEAM CONNECTION SECTION**

SCALE: 1½" = 1'-0"

REVISIONS:

No.	Date
PERMIT SET	09/04/2025
1 ADDENDUM #1	09/15/2025
2 ADDENDUM #2	09/19/2025

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY

STATE OF MISSOURI
GREGORY L. LINNEMAN
NUMBER PE-2005001013
9/19/25

GREGORY L. LINNEMAN - PE
MO LICENSE - 2005001013

STRUCTURAL ENGINEER:
CROCKETT ENGINEERING CONSULTANTS
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Crockett Engineering Consultants, LLC
Missouri Certificate of Authority
#2006013501

CLIENT:
LCS LLC
1027 COOL SPRINGS INDUSTRIAL DR
O'FALLON, MO

Wright City Fire Department - House #1

60 BELL ROAD
WRIGHT CITY, WARREN COUNTY, MISSOURI

DRAWING INCLUDES:

HOSE TOWER
STAIR / MEZZANINE
FRAMING DETAILS

DESIGNED:	GLL
DRAWN:	SEH
PROJECT NO.:	250264

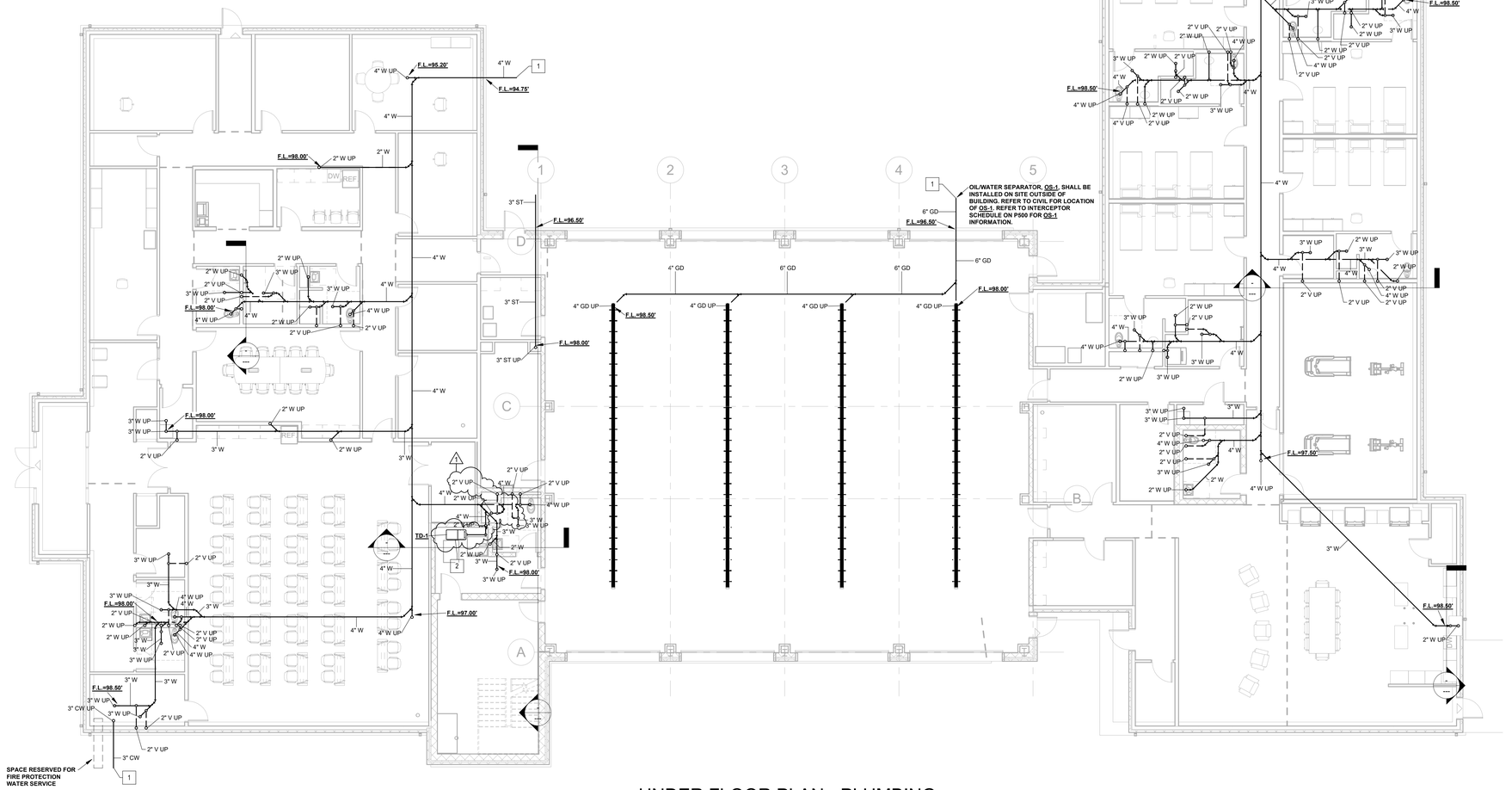
SHEET:
S510

PLUMBING GENERAL NOTES

1. FINISHED FLOOR ELEVATION = 100.00' (ARCH), 763.00' (USGS).

PLUMBING KEYNOTES

1 REFER TO CIVIL FOR CONTINUATION.
2 NEW LAUNDRY TROUGH DRAIN WITH INTERNAL LINT TRAP. REFER TO FIXTURE SCHEDULE FOR ADDITIONAL INFORMATION.



1 P100 UNDER FLOOR PLAN - PLUMBING
1/8" = 1'-0"

Revisions			
Number	Description	Date	
	ISSUED FOR PERMIT	09/05/2025	
1	ADDENDUM #2	09/23/2025	

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WCFPD Station 1
60 Bell Road
Wright City, MO 63390
UNDER FLOOR PLAN - PLUMBING

Drawn By	Author		
Proj. Engr.	SLK	Scale	As indicated
Proj. Mgr.	SLK		

JARRELL MECHANICAL CONTRACTORS
4206 RIVER TRAIL NORTH
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FAX (314)291-2800

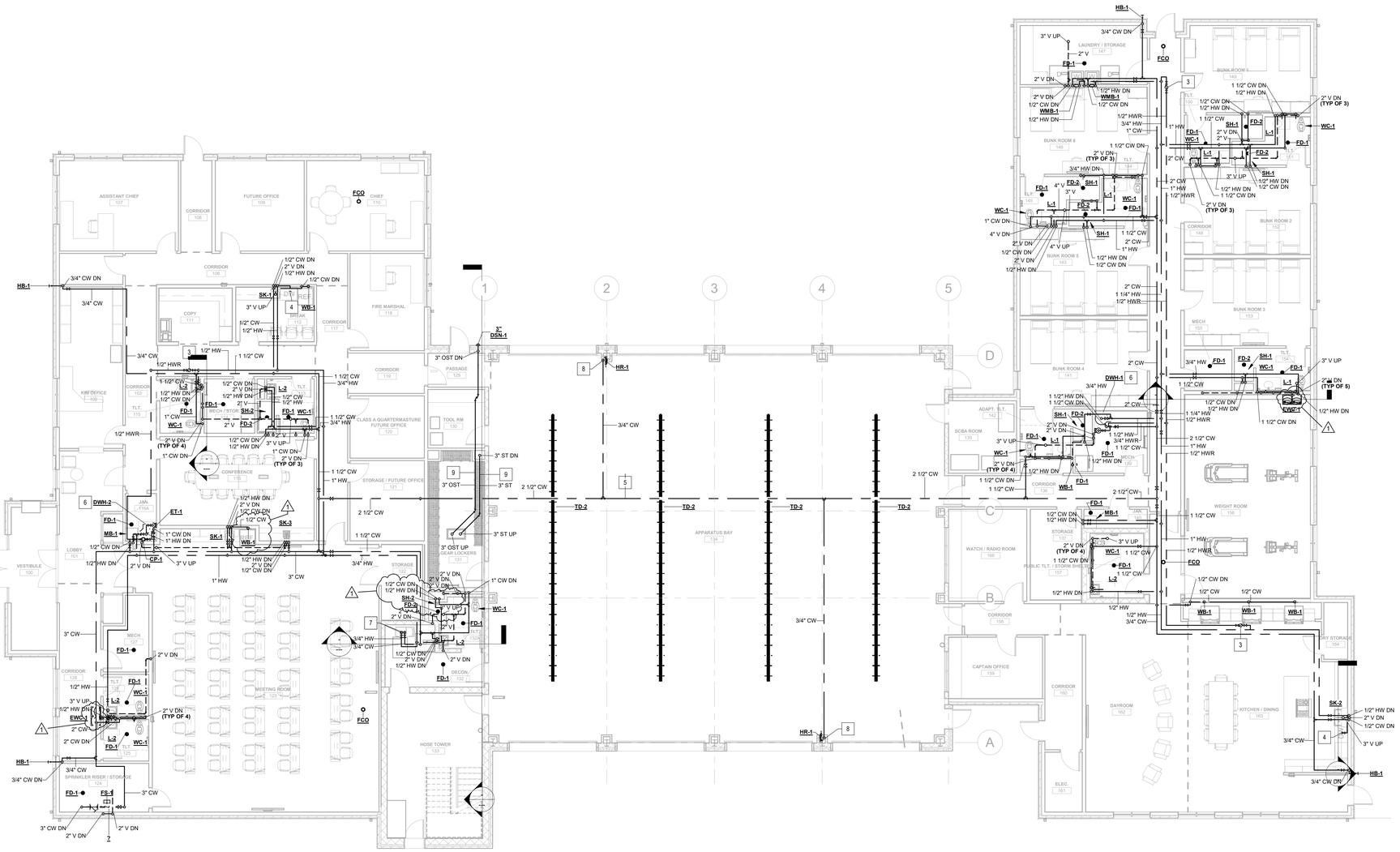
Date	09/05/2025	
Job No.	-	
Sheet	P100	

PLUMBING GENERAL NOTES

1. FINISHED FLOOR ELEVATION = 100.00' (ARCH), 763.00' (USGS).

PLUMBING KEYNOTES

3	BALANCING VALVE.
4	VALVE AND CAP 1/2" HOT WATER STUB OUT FOR DISHWASHER. FINAL CONNECTION BY OTHERS.
5	ROUTE COLD WATER PIPING OVERHEAD AS HIGH AS POSSIBLE TO AVOID STRUCTURE AND EXISTING OR NEW BUILDING COMPONANTS.
6	DOMESTIC TANK TYPE WATER HEATER. REFER TO TYPICAL DETAIL FOR ADDITIONAL COMPONENTS AND INFORMATION.
7	3/4" VALVED HOT WATER AND 3/4" VALVED COLD WATER SUPPLIES ON WALL FOR GEAR EXTRACTOR. FINAL CONNECTION BY OTHERS.
8	3/4" COLD WATER DOWN TO HOSE REEL (HR-1), MOUNT SHUT OFF VALVE AT 7'-0" A.F.F.
9	STORM AND STORM OVERFLOW PIPING SHALL BE SLOPED AT 1/8"/FT MINIMUM.



2 FIRST FLOOR PLAN - PLUMBING
P200 1/8" = 1'-0"

0' 4'-0" 8'-0" 16'-0"
1/8" =1'-0"

Revisions			
Number	Description	Date	
	ISSUED FOR PERMIT	09/05/2025	
1	ADDENDUM #2	09/23/2025	

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WCFPD Station 1
60 Bell Road
Wright City, MO 63390
FIRST FLOOR PLAN - PLUMBING

Drawn By: SLK
Proj. Engr.: SLK
Proj. Mgr.:
Scale: As indicated

JARRELL MECHANICAL CONTRACTORS
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EARTH CITY, MISSOURI 63045
(314)291-9100
FAX (314)291-3809

Date 09/05/2025
Job No. -
Sheet P200

PLUMBING ABBREVIATIONS	
AFF	ABOVER FINISHED FLOOR
BFF	BELOW FINISHED FLOOR
BFP	BACKFLOW PREVENTER
CO	CLEANOUT
(E)	EXISTING
CW	COLD WATER
ESE	EMERGENCY EYEWASH / SHOWER
ET	EXPANSION TANK
EWC	ELECTRIC WATER COOLER
DWH	DOMESTIC WATER HEATER
FCO	FLOOR CLEANOUT
FD	FLOOR DRAIN
F.L.	FLOW LINE ELEVATION
FS	FLOOR SINK
GD	GARAGE DRAIN
GPM	GALLONS PER MINUTE
HB	HOSE BIBB (EXTERIOR)
HW	HOT WATER
HWR	HOT WATER RETURN
ISO	ISOMETRIC
IW	INDUSTRIAL WASTE
LAV	LAVATORY
MB	MOP BASIN
PD	PUMP DISCHARGE
OI	OIL WATER SEPARATOR
HCP	RE-CIRCULATING PUMP
RH	ROOF HYDRANT
S	SANITARY SEWER
SK	SINK
US	UTILITY SINK
UR	URINAL
V	VENT
VTR	VENT THROUGH ROOF
W	WASTE
WC	WATER CLOSET
WCO	WALL CLEANOUT
WH	WALL HYDRANT (INTERIOR)

DRAIN SCHEDULE

DESIGNATION	TYPE	OUTLET SIZE	BODY MATERIAL / STRAINER FINISH	TRAP	MANUFACTURER / OR APPROVED EQUAL	MODEL	REMARKS
FD-1	FLOOR DRAIN	3"	CAST IRON BODY WITH ROUND NICKEL BRONZE TOP	YES	SIOUX CHIEF	832-35P-NR	INSTALL IN RESTROOMS AND IN JANITOR CLOSETS.
FD-2	SHOWER DRAIN	2"	CAST IRON BODY WITH ROUND NICKEL BRONZE TOP	YES	SIOUX CHIEF	832-35P-NR	INSTALL IN SHOWER.
FS-1	FLOOR SINK	4"	12" x 12" x 8" DEEP DUCTILE IRON BODY WITH HALF GRATE & SEDIMENT BUCKET	YES	SIOUX CHIEF	861-24-I2	INSTALL BELOW DOMESTIC WATER BACKFLOW PREVENTER.
TD-1	GEAR EXTRACTOR DRAIN TROUGH	4"	12" WIDE X 18" DEEP X 3 FT LONG, POLYPROPYLENE LAUNDRY TROUGH WITH INTERNAL AND REMOVABLE FILTER SCREEN AND FILTER BASKET AND 4" END OUTLET.	YES	STRIEM	TT-3	INSTALL IN FLOOR IN GEAR EXTRACTOR ROOM.
TD-2	TRENCH DRAIN - APP BAY	4"	1-METER LONG POLYPROPYLENE, 6-1/4" WIDE INTERLOCKING BODY CHANNEL SECTIONS WITH SLOPED AND RADIUSED BOTTOM, 4" NO-HUB BOTTOM OUTLET, AND SECURED HEAY DUTY DUCTILE IRON SLOTTED GRATE	NO	JR SMITH	9930 SERIES 9870-462-DGC GRATE	-
RD-1	ROOF DRAIN	3"	CAST IRON BODY WITH FLASHING CLAMP, POLYPROPYLENE DOME STRAINER	NO	JR SMITH	1010Y	-
OD-1	OVERFLOW ROOF DRAIN	3"	CAST IRON BODY WITH FLASHING CLAMP, CAST IRON WATER DAM, POLYPROPYLENE DOME STRAINER	NO	JR SMITH	1080Y	-
DSN-1	DOWNSPOUT NOZZLE	3"	ROUND STAINLESS STEEL FRAME WITH SECURED STAINLESS STEEL HINGED COVER	NO	JR SMITH	1775	-
TP-1	TRAP PRIMER	-	-	-	SIOUX CHIEF	695 SERIES	-
F.Co.	FLOOR CLEANOUT	SEE PLAN	DUCTILE IRON BODY WITH ROUND BRONZE COVER	NO	SIOUX CHIEF	834-4D-NR	INSTALL ON SANITARY LINE FROM RESTROOMS AND GENERAL PURPOSE FIXTURES
W.Co.	WALL CLEANOUT	SEE PLAN	PVC CLEANOUT PLUG WITH STAINLESS COVER	NO	-	-	THREADED PLUG STAINLESS STEEL WITH COVER

NOTES:
1) ON FLOOR DRAINS (FD-1) AND (FD-2) INSTALL AN INTERNAL TRAP SEAL DEVICE. ASSE 1072 CERTIFIED. UNIT SHALL BE A SIOUX CHIEF 835 TRAPSHIELD.

BACKFLOW PREVENTER SCHEDULE

DESIGNATION	SIZE	LOCATION	MANUFACTURER / OR APPROVED EQUAL	MODEL	GPM	PRESSURE DROP	REMARKS
BFP-1	3"	SPRINKLER RISER / STORAGE 124	WATTS	957-QT (WITH GATE VALVES)	101	10 PSI	3" REDUCED PRESSURE ASSEMBLY.

NOTES:
1. ALL DEVICES AND ASSEMBLIES FOR THE PREVENTION OF BACKFLOW SHALL BE TESTED AND APPROVED BY A CROSS-CONNECTION CONTROL DEVICE INSPECTOR BEFORE INITIAL OPERATION AND THE DEVICES MUST BE TESTED ANNUALLY THEREAFTER.

INTERCEPTOR SCHEDULE

DESIGNATION	MANUFACTURER	MODEL NO.	FLOW RATE	HOLDING CAPACITY			MATERIALS	REMARKS
				LIQUID (GAL)	OIL (GAL)	SOLIDS (GAL)		
OS-1	STRIEM	OS-500	100 GPM	500	125	195	POLYETHYLENE	SEE NOTES

NOTES:
1) UNIT SHALL HAVE A 6" INLET AND OUTLET, H20 COVER AND 24"-30" RISERS.

PLUMBING MATERIALS SPECIFICATION

TYPE OF PIPING MATERIAL	TYPE OF SERVICE: ABOVE GRADE SANITARY AND VENT (EXCEPT IN PLENUMS).	SANITARY AND VENT IN CEILING PLENUM SPACES.	BURIED DOMESTIC WATER TO BUILDING.	DOMESTIC COLD, HOT AND HOT WATER RETURN PIPING.
SCHEDULE 40 PVC W/ SOLVENT CEMENTED DRAINAGE PATTERN FITTINGS ASTM D-2665, SOLID CORE (CHARLOTTE) *ALL SIZES*	x			
SERVICE WEIGHT NO-HUB CAST IRON PIPE AND FITTINGS (ASTM B88) -MANUFACTURED BY CHAROLETTE, TYLER OR AB&I) *ALL SIZES*		x		
COPPER PIPE - SOFT DRAWN TYPE "K" ASTM B-88			x	
TYPE "L" COPPER WITH WROUGHT COPPER JOINTS - PRO-PRESS FITTINGS				x

INSULATION MATERIALS SPECIFICATION

TYPE OF MATERIAL	TYPE OF SERVICE: DOMESTIC COLD WATER PIPING	DOMESTIC HOT WATER PIPING (UP TO 1-1/4")	DOMESTIC HOT WATER PIPING LARGER THAN 1-1/2"	SANITARY PIPING IN PLENUM SPACES
1" FIBERGLASS WITH ALL-SERVICE JACKET (SHALL MEET OR EXCEED ASTM - e84 FOR FLAME / SMOKE RATING)	x	x		x
1-1/2" FIBERGLASS WITH ALL-SERVICE JACKET (SHALL MEET OR EXCEED ASTM - e84 FOR FLAME / SMOKE RATING)			x	

PLUMBING FIXTURE SCHEDULE

(REFER TO ARCHITECTURAL DOCUMENTS FOR FIXTURE MOUNTING HEIGHTS)

FIXTURE DESIGNATION	TYPE	WASTE PIPING	VENT PIPING	WATER		SPECIFICATIONS	MANUFACTURER	MODEL	MODEL NUMBER
				COLD	HOT				
WC-1	WATER CLOSET	4"	2"	1"	-	FLOOR MOUNTED WATER CLOSET, ELONGATED BOWL, TOP SPUD FLUSHOMETER TYPE, ADA . MANUAL FLUSHOMETER, SLOAN ROYAL, 1.28 GPF. SEAT - HEAVY DUTY OPEN FRONT WITH COVER ELONGATED TOILET SEAT.	KOHLER	HIGHCLIFFE	K-96057
							SLOAN		111-1.28
							BEMIS		1955CT
L-1	LAVATORY	1-1/2"	1-1/2"	1/2"	1/2"	UNDERMOUNT OVAL SINGLE BOWL, WHITE VITREOUS CHINA LAVATORY 19-1/4". FAUCET - DECK MOUNTED LAVATORY FAUCET, MANUALLY OPERATED, CHROME PLATED 0.5 GPM PRESSURE COMPENSATING, LAMINAR FLOW OUTLET. PROVIDE PERFORATED GRID STRAINER. WITH BELOW DECK LEAD-FREE MIXING VALVE AND P-TRAP ADA COVERING	KOHLER	CAXTON	K-2210-N
							KOHLER		K-97282-4
							WATTS		LFUSG-B
							TRUEBRO		LAV GUARD 2 E-Z SERIES
L-2	LAVATORY	1-1/2"	1-1/2"	1/2"	1/2"	ADA WALL MOUNTED SINGLE BOWL, WHITE VITREOUS CHINA LAVATORY 21-1/4" X 18-1/8". ADA SINGLE HOLE CENTER FAUCET WITH 4" COVER PLATE, CONCEALED ARM SUPPORT. FAUCET - ADA DECK MOUNTED LAVATORY FAUCET, SENSOR OPERATED, BATTERY POWERED, CHROME PLATED 0.5 GPM PRESSURE COMPENSATING, LAMINAR FLOW 0.5 GPM OUTLET. PROVIDE PERFORATED GRID STRAINER. WITH BELOW DECK LEAD-FREE MIXING VALVE AND P-TRAP ADA COVERING	KOHLER	KINGSTON	K-2005
							KOHLER		K-97282-4
							WATTS		LFUSG-B
							TRUEBRO		LAV GUARD 2 E-Z SERIES
							ZURN		CONCEALED ARM CARRIER
HR-1	HOSE REEL	-	-	3/4"	-	3/4" X 100 FT AC MOTOR DRIVEN HOSE REEL.	REELCRAFT	-	EA33112 L10A
SH-1	SHOWER (ADA ADAPTABLE)	2"	2"	1/2"	1/2"	SHOWER FLOOR SHALL RECEIVE A FLOOR DRAIN (FD-2). FLOOR TO BE EPOXY COATED AND SLOPPED TO DRAIN. SHOWER VALVE SHALL BE RITE TEMP PRESSURE BALANCING DESIGN, SINGLE LEVER, ONE-PIECE CARTRIDGE WITH ADJUSTABLE SCREW STOP TO LIMIT HANDLE TURN. VALVE TRIM SHALL INCLUDE FACE PLATE WITH HANDLE, CHROME FINISH. FAUCET SHALL BE MULTIFUNCTION SHOWERHEAD AND HANDSHOWER, 2.5 GPM MAX FLOWRATE, WITH MULTIFUNTION SPRAY	KOHLER	RITE-TEMP	K-8304-KS
							KOHLER	DEVONSHIRE	K-TLS396-4-CP
							KOHLER	AWAKEN	K-76471-Y-CP
SH-2	SHOWER (ADA)	2"	2"	1/2"	1/2"	SHOWER FLOOR SHALL RECEIVE A FLOOR DRAIN (FD-2). FLOOR TO BE EPOXY COATED AND SLOPPED TO DRAIN. SHOWER FITTING - SYMMONS TEMPTROL SHOWER UNIT, INCLUDING PRESSURE-BALANCING MIXING VALVE WITH SERVICE STOPS, 1.5 GPM FLOW, HAND HELD SHOWER WITH CHROME PLATED SUPPLY ELBOW, VACUUM BREAKER, 60 INCH FLEXIBLE HOSE, 36 INCH LONG ADJUSTABLE SLIDE BAR WITH SWIVEL CONNECTOR AND MOUNTING ACCESSORIES.	SYMMONS		S-9603-PLR-1.5-X
SK-1	SINK	1-1/2"	1-1/2"	1/2"	1/2"	ADA 304 STAINLESS STEEL RECTANGULAR UNDERMOUNT SINGLE BOWL SINK, 18-1/2" X 18-1/2" X 5-3/8" DEEP. DECK MOUNTED HIGH ARCH SPOUT, MANUAL 3-FUNCTION SINGLE LEVER KITCHEN FAUCET, 1.5 GPM OUTLET. INCLUDE STAINLESS STEEL BASKET STRAINER AND NEOPRENE COVER.	ELKAY	LUSTERTONE	ELUHAD161655
							KOHLER		K-22972
SK-2	SINK	1-1/2"	1-1/2"	1/2"	1/2"	18 GAUGE UNDERMOUNT DOUBLE BOWL STAINLESS STEEL SINK 30-3/4" X 18-1/2" x 10" DEEP. FAUCET - DECK MOUNTED MANUAL SINK FAUCET WITH WRIST BLADE HANDLES SWING GOOSENECK SPOUT AND 1.5 GPM AERATOR OUTLET. INCLUDE 1/2 HP GARBAGE DISPOSAL, STAINLESS STEEL BASKET STRAINER AND TAILPIECE.	ELKAY	LUSTERTONE	ELUH311810L
							CHICAGO		201-AGN2AE35-317AB
							INSINKERATOR		BADGER 5
SK-3	SINK	1-1/2"	1-1/2"	1/2"	1/2"	16 GAGE STAINLESS STEEL UNDERMOUNT SINGLE BOWL BAR SINK, 15" X 15" X 9" DEEP. DECK MOUNTED HIGH ARCH SPOUT, MANUAL 3-FUNCTION SINGLE LEVER KITCHEN FAUCET, 1.5 GPM OUTLET. INCLUDE STAINLESS STEEL BASKET STRAINER AND NEOPRENE COVER.	KOHLER	STRIVE	K-5287
							KOHLER	CRUE	K-22972-CP
MB-1	MOP SINK	3"	2"	3/4"	3/4"	FLOOR MOUNTED MOLDED-STONE MOP SERVICE BASIN. 24 INCH X 24 INCH X 12 INCHES DEEP WITH STAINLESS STEEL CAPS ON CURBS, HOSE HOOK AND BRACKET. FAUCET - WALL MOUNTED, MANUALLY OPERATED SINK FAUCET, CHROME PLATED WITH INTEGRAL HOT AND COLD WATER SUPPLY STOPS, WRIST BLADE HANDLES, WITH HOSE AND HOSE HOOK.	FIAT		MSB2424
							CHICAGO		897-RCF
EWC-1	WATER COOLER	1 1/2"	1 1/2"	1/2"	-	WALL MOUNTED BI-LEVEL ADA ELECTRIC WATER COOLER WITH BOTTLE FILLING STATION. FILTERED, CHILLING CAPACITY OF 8 GALLONS PER HOUR OF 50 DEGREE DRINKING WATER. PUSH BUTTON ACTIVATION WATER COOLER AND HANDS-FREE ELECTRONIC SENDOR BOTTLE FILLER	ELKAY		LZSTL8WSLK
HB-1	HOSE BIBB	-	-	3/4"	-	FREEZLESS WALL HYDRANT WITH HIGH FLOW DOUBLE CHECK BACKFLOW PREVENTER, CHROME BOX AND DOOR	WOODFORD		B67
WB-1	ICE MAKER BOX	-	-	1/2"	-	WHITE PLASTIC WATER SUPPLY BOX WITH SHUT-OFF VALVE	SIOUX CHIEF		696 SERIES
WMB-1	WASHER BOX	1 1/2"	-	1/2"	1/2"	WHITE PLASTIC WASHING MACHINE OUTLET BOX WITH SURGE SUPRESSORS AND SHUT-OFF VALVE	SIOUX CHIEF		696 SERIES

NOTES:
1.) ALL STOPS SHALL BE BRASSCRAFT 1/4 TURN ANGLE BALL STOPS; KTCR09 / KTCR19 / KTCR39 AND ESCUTHEONS OR EQUAL
2.) P-TRAPS ON SINKS AND LAVATORIES SHALL BE 1-1/2",PVC P-TRAP WITH CLEANOUT PLUG AND ESCUTHEONS

DOMESTIC WATER HEATER SCHEDULE

DESIGNATION	LOCATION	TYPE	# ELEMENTS / BTU'S	WATTS / ELEMENT	1ST HOUR RATING IN GALS	STORAGE CAPACITY	TEMPERATURE SETTING (DEG F)	ELECTRICAL REQUIREMENT	MANUFACTURER'S DESCRIPTION:	NOTES
DWH-1	MECH 139	ELECTRIC	1	15,000	80	80	120	240/60/3	A.O. SMITH DSE-80A-15.0 (OR EQUAL) COMMERCIAL ELECTRIC TANK TYPE WATER HEATER, GLASS LINED TANK, SURFACE MOUNTED THERMOSTATS AND FACTORY INSTALLED T&P REFLIEF AND VACUUM RELIEF VALVE.	INSTALL WITH ARMTROL ST-12 OR EQUAL EXPANSION TANK (ET-1)
DWH-2	JAN 116A	ELECTRIC	1	9,000	40	40	120	240/60/3	A.O. SMITH DSE-40A-9.0 (OR EQUAL) COMMERCIAL ELECTRIC TANK TYPE WATER HEATER, GLASS LINED TANK, SURFACE MOUNTED THERMOSTATS AND FACTORY INSTALLED T&P REFLIEF AND VACUUM RELIEF VALVE.	INSTALL WITH ARMTROL ST-12 OR EQUAL EXPANSION TANK (ET-1)

NOTES:
1. ALL WATER HEATERS SHALL BE PIPED PER THE INTERNATIONAL PLUMBING CODE. INSTALL SHUT-OFF VALVES AND UNIONS ON THE WATER SUPPLY LINES. PIPE T&P RELIEF TO ADJACENT FLOOR DRAINS.

HOT WATER RECIRCUATION PUMP SCHEDULE

DESIGNATION	NAME	MANUFACTURER / OR APPROVED EQUAL	MODEL NUMBER	GPM	HEAD (FT.)	CONN. SIZE	HP	VOLT / PH	REMARKS
CP-1	HOT WATER RETURN CIRCULATING PUMP	GRUNDFOS	ALPHA 26-99	0-21	0-41	1-1/4"	1/6	120 / 1	DOMESTIC HOT WATER RE-CIRCULATING PUMP. INSTALL AT DWH-1 AND AT DWH-2.

NOTES:
1) INSTALL PUMPS WITH THE PROPER VALVE ASSEMBLY, INCLUDING CHECK VALVES.

SEISMIC CODE BLOCK

IMPORTANCE FACTOR (I) SEISMIC DESIGN CATEGORY (D)

LISTING OF EQUIPMENT & SYSTEM COMPONENTS	ANCHORAGE TO FLOORS, ROOFS, ETC.		SWAY BRACING		LOCATION OF PROFESSIONALLY SEALED ANCHORAGE AND SWAY BRACING DETAILS			COMMENTS
					ON CONST. DOCUMENTS	SUBSEQUENT SUBMITTAL		
	NOT PROVIDED	PROVIDED	NOT PROVIDED	PROVIDED	PLAN SPECS PAGE(S)	SHOP DRAWINGS	SEPARATE PERMIT & PLANS	
OTHER GENERAL EQUIPMENT & SYSTEM COMPONENTS								
DWV PIPING	X		X					EXEMPT PER TABLE 500, NOTE 1A, SCHEDULE 40 PVC 6" OR LESS AND CAST IRON 2" OR LESS.
DOMESTIC WATER PIPING UP TO (2-1/2" AND SMALLER	X		X					EXEMPT PER TABLE 500, NOTE 1C, SCHEDULE 80 CPVC 3" OR LESS.
DOMESTIC WATER HEATERS		X		X	X			USE SEISMIC RESTRAINT STRAPS TO SECURE TO WALL

Revisions		
Number	Description	Date
	ISSUED FOR PERMIT	09/05/2025
1	ADDENDUM #2	09/23/2025

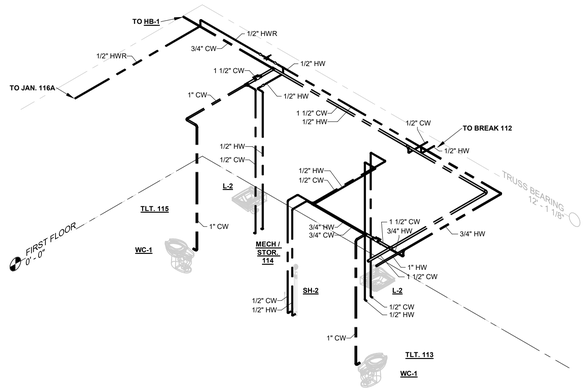
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SCHEDULES

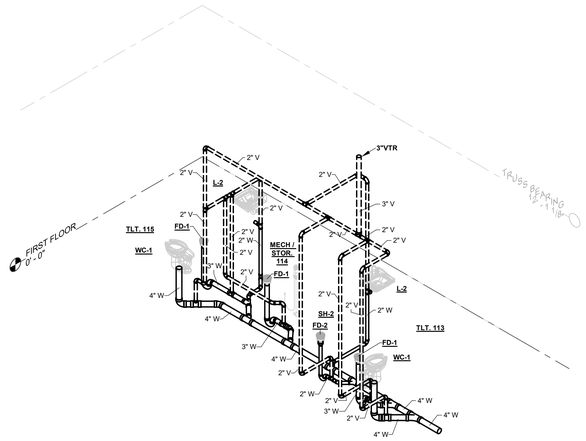
Drawn By: Author
Proj. Engr.: SLK
Proj. Mgr.: SLK
Scale: 12" = 1'-0"

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4226 RIVER TRAIL NORTH
EARTH CITY, MISSOURI 63045
(314)291-0100
FAX (314)291-2800

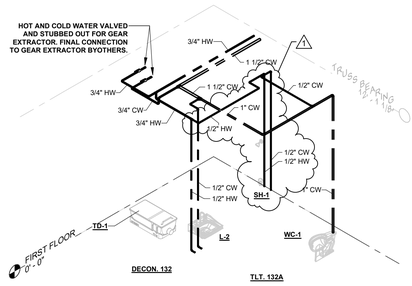
Date: 09/05/2025
Job No.: -
Sheet: P500



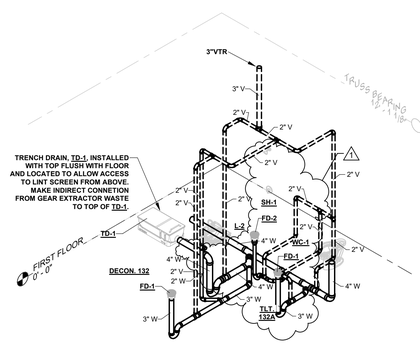
1 P602 ISO WATER TLT. 113, MECH STOR. 114 & TLT. 15



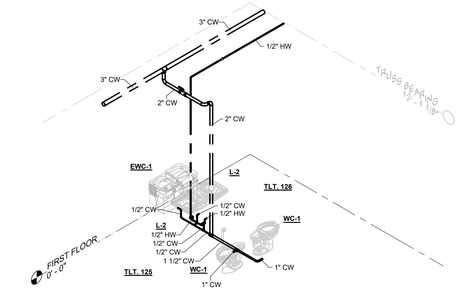
2 P602 ISO DWV TLT. 113, MECH STOR. 114 & TLT. 15



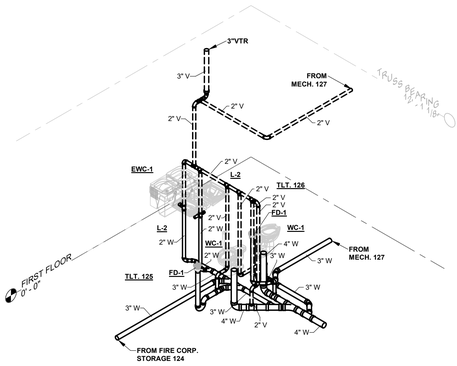
3 P602 ISO WATER DECON. 132 & TLT. 132A



4 P602 ISO DWV DECON. 132 & TLT. 132A



5 P602 ISO WATER TLT. 125 & TLT. 126



6 P602 ISO DWV TLT. 125 & TLT. 126

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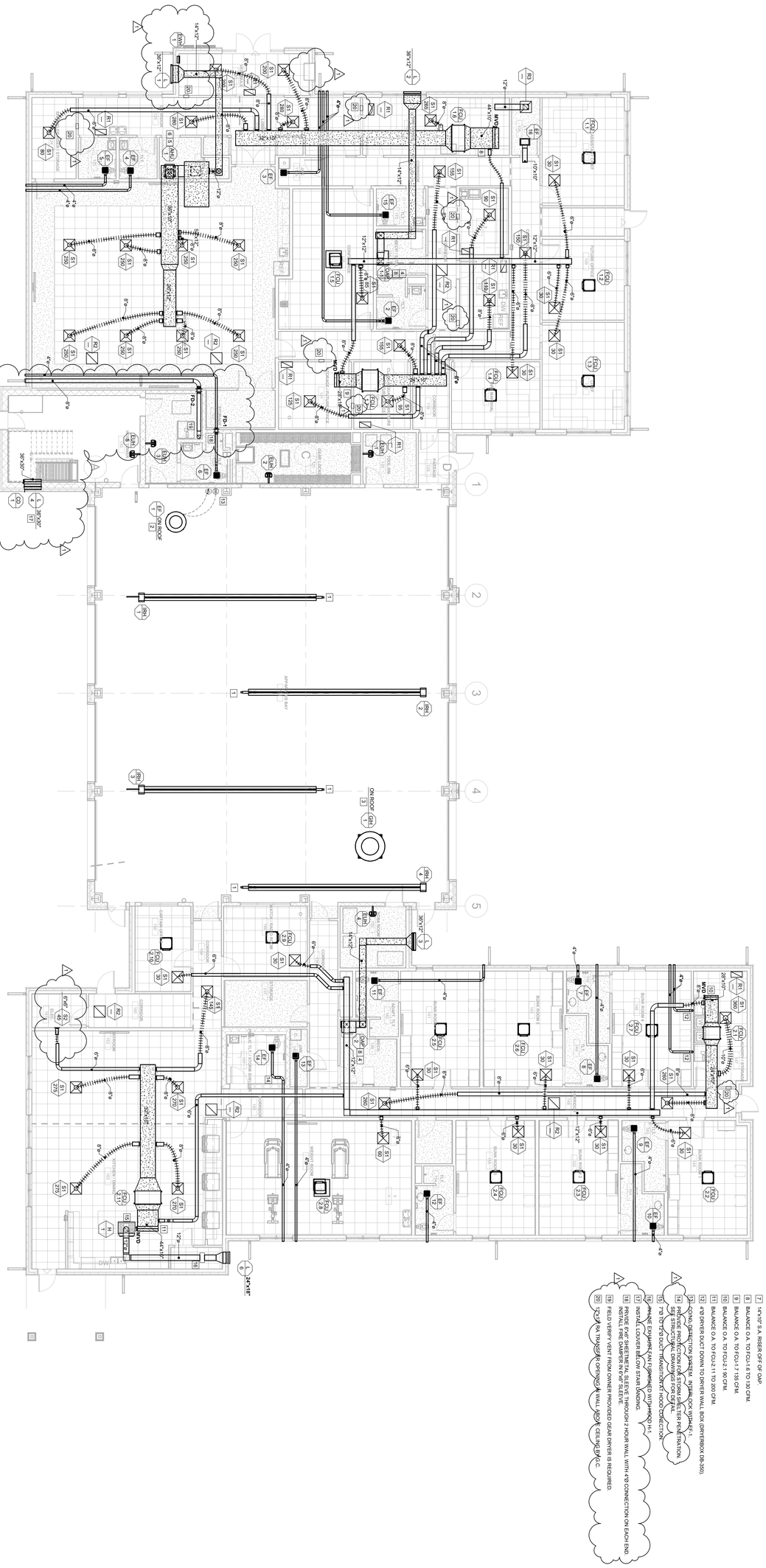
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ISOMETRIC DIAGRAMS - ADMINISTRATION

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EARTH CITY, MISSOURI 63045
(314)291-5100
FAX (314)291-2803

Date	Job No.	Sheet
09/05/2025	-	P602



2 FIRST FLOOR PLAN - MECHANICAL DUCTWORK
M200 1/8" = 1'-0"

KEYED NOTES

1 4"Ø FLUE UP THROUGH ROOF WITH FLUE CAP.
2 21"x21" OPENING IN ROOF.
3 39"x39" OPENING IN ROOF.
4 20"x14" O.A. DUCT DOWN TO OAP. SEE DETAIL XA4.X.
5 20"x20" R.A. DUCT DOWN TO AHU-1. SEE DETAIL XA4.X.
6 20"x20" S.A. RISER OFF OF AHU-1.
7 14"x10" S.A. RISER OFF OF OAP.
8 BALANCE O.A. TO FCU-1 & TO 130 CFM.
9 BALANCE O.A. TO FCU-1.1 135 CFM.
10 BALANCE O.A. TO FCU-2.1 90 CFM.
11 BALANCE O.A. TO FCU-2.1 TO 220 CFM.
12 4"Ø DRYER DUCT DOWN TO DRYER WALL BOX (DRYERBOX DB-300)
13 CONFIRM DIRECTION OF DRYER DOOR WITH OWNER - INSTALL DOOR TO SWING AWAY FROM DRYER.
14 PROVIDE PROTECTION FOR STORM SHELTER PENETRATION. SEE STRUCTURAL DRAWINGS FOR DETAIL.
15 7"Ø TO 12"Ø DUCT TRANSITION AT HOOD CONNECTION
16 RANGE EXHAUST FAN (RHOOD #1) WITH HOOD #1
17 INSTALL LOUVER BELOW STAIR LANDING.
18 PROVIDE 6"Ø SHEETMETAL SLEEVE THROUGH 2 HOUR WALL WITH 4"Ø CONNECTION ON EACH END. INSTALL FIRE DAMPER IN 6"Ø SLEEVE.
19 FIELD VERIFY VENT FROM OWNER PROVIDED GEAR DRYER IS REQUIRED.
20 12"x4" TRANSFER OPENING IN WALL ABOVE CEILING (T.C.)

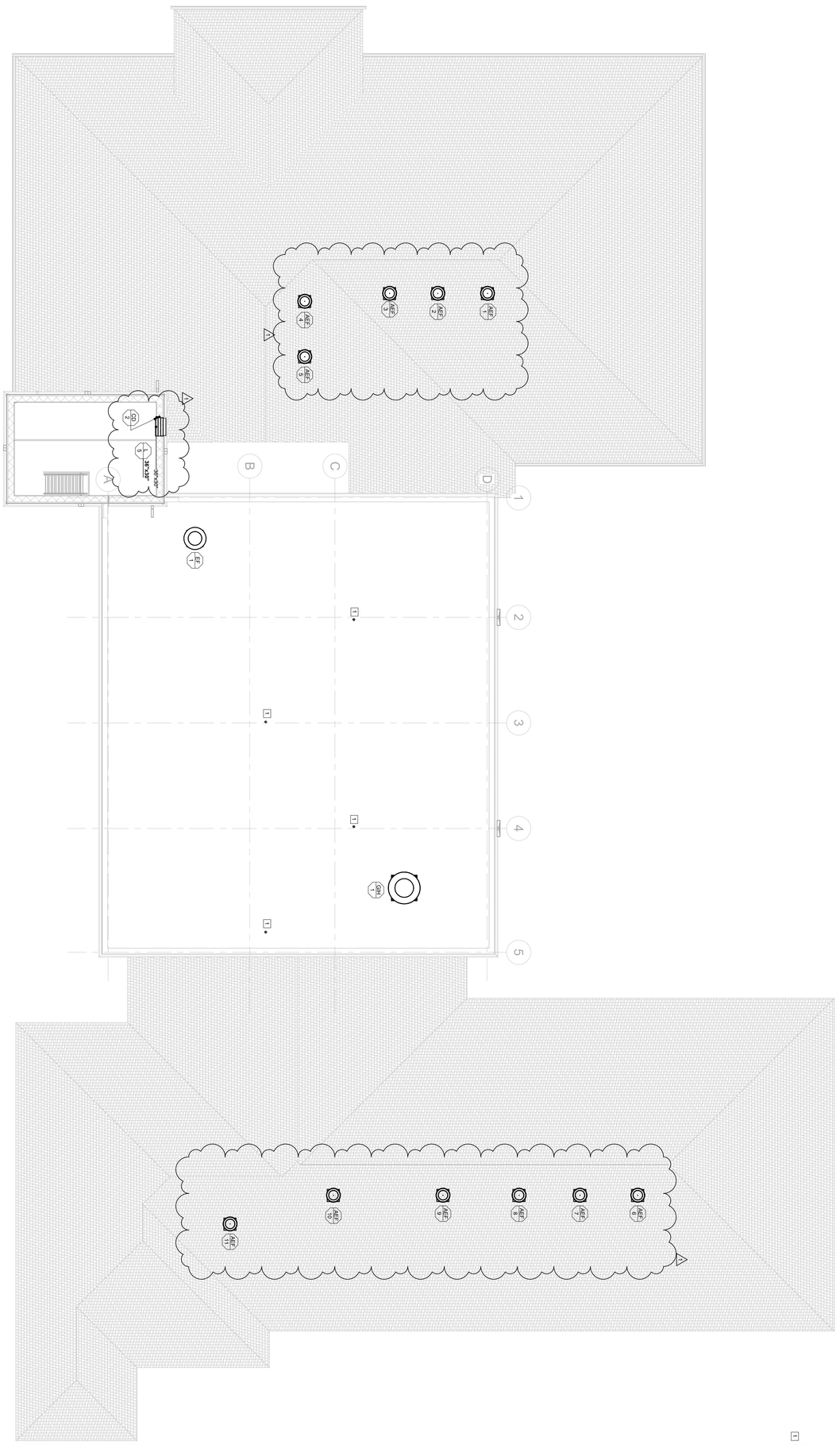
0' 4'-0" 8'-0" 16'-0"
1/8" = 1'-0"

Date 09/05/25	JARRELL MECHANICAL CONTRACTORS 4208 RIDER TRAIL NORTH EARTH CITY, MISSOURI 63045 (314)291-0100 FAX (314)291-2803	Drawn By CGS	WCFPD Station 1 60 Bell Road Wright City, MO 63390 FIRST FLOOR PLAN - MECHANICAL
Job No. 25-XXXX		Proj. Engr. MDJ	
Sheet M200		Proj. Mgr. TH	
		Scale 1/8" = 1'-0"	

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Number	Description	Date
	ISSUED FOR PERMIT	09.05.2025
1	ADDENDUM 2	09.17.2025



1 ROOF PLAN - MECHANICAL
M201 1/8" = 1'-0"

KEYED NOTES

1 4"Ø FLUE UP THROUGH ROOF WITH FLUE CAP

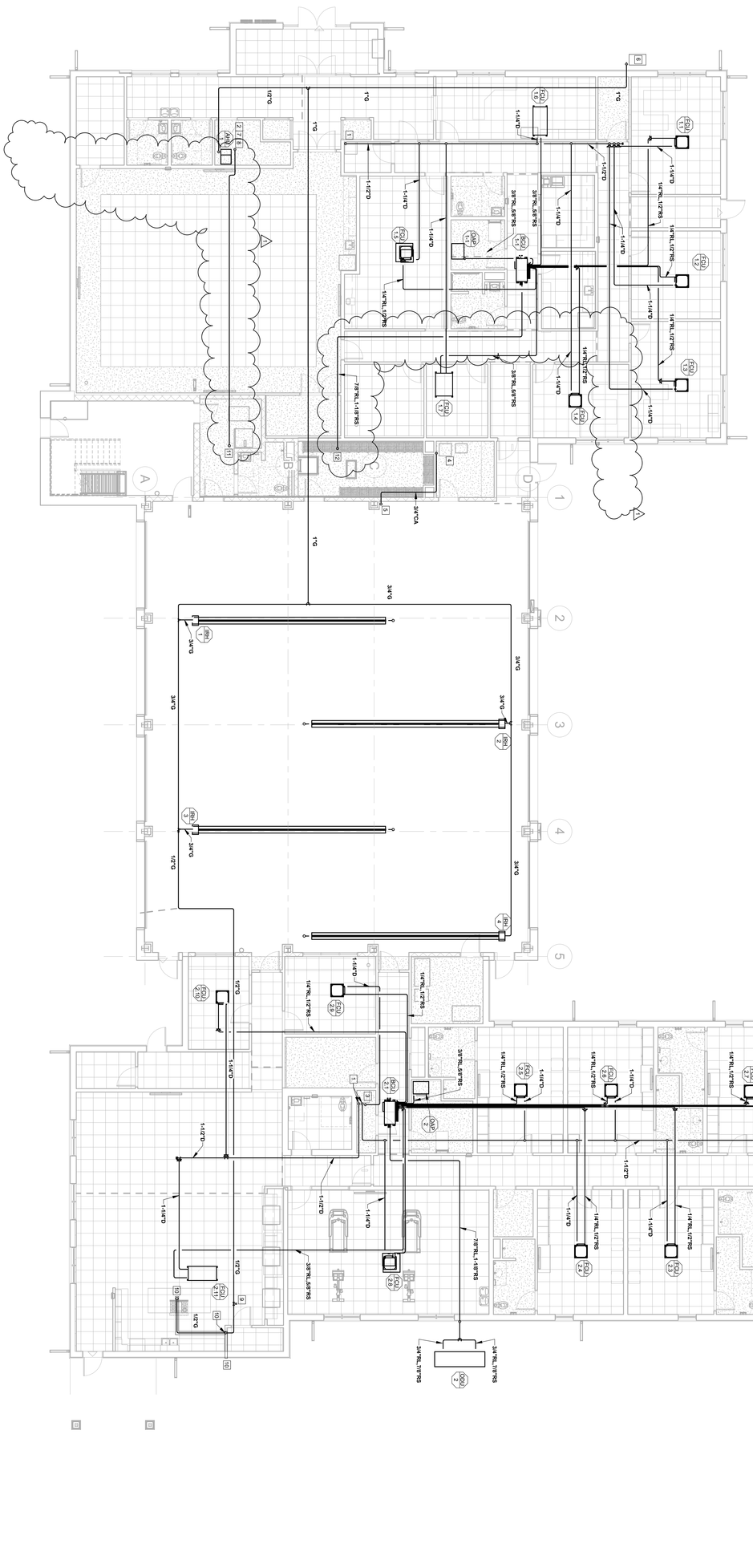
0" 4'-0" 8'-0" 16'-0"
1/8" = 1'-0"

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Job No. 25-XXXX		Proj. Engr. MDJ	
Sheet M201		Proj. Mgr. TH	
		Scale 1/8" = 1'-0"	

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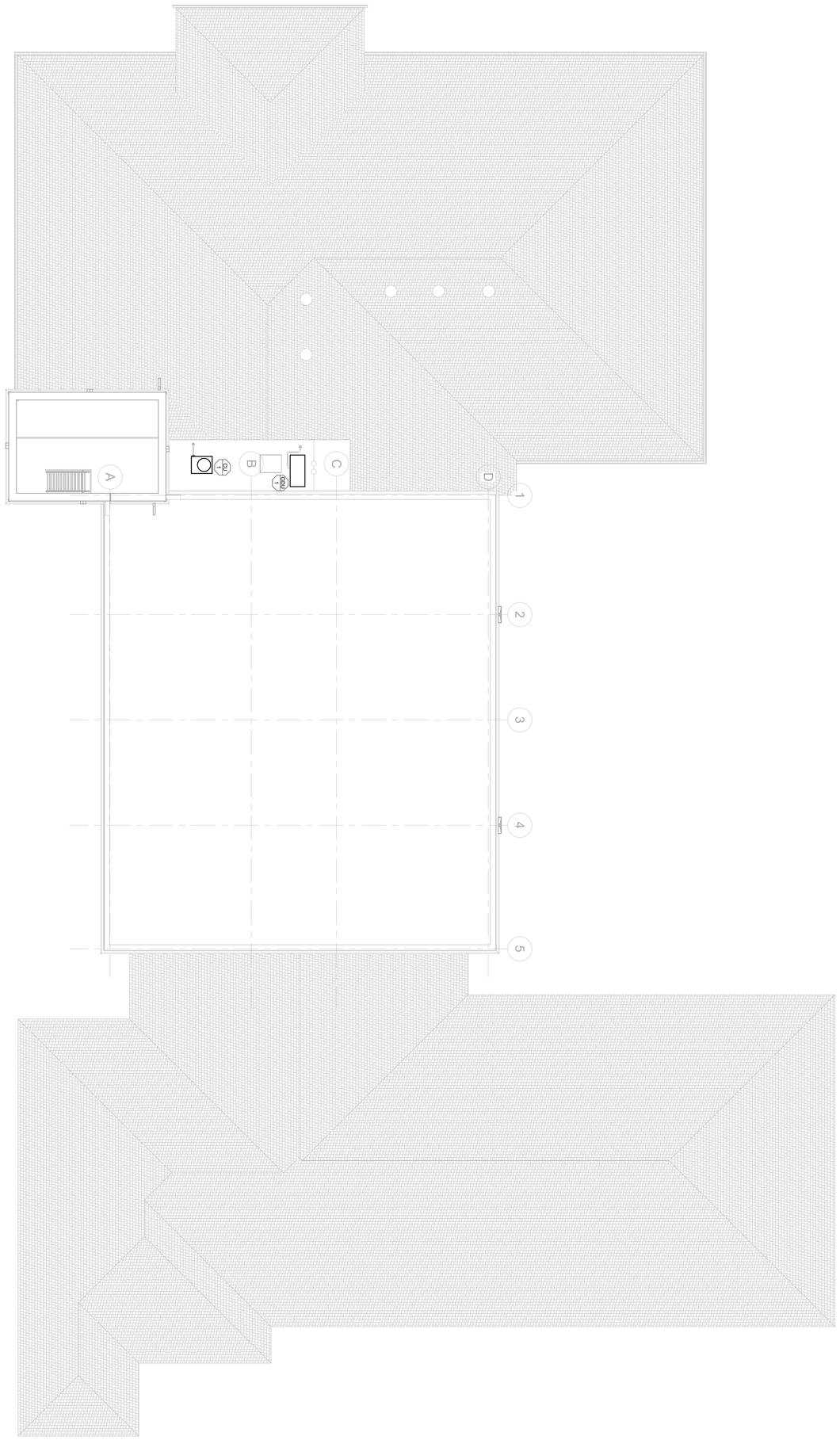


3 FIRST FLOOR PLAN - MECHANICAL PIPING
M300 1/8" = 1'-0"

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Sheet M300		Proj. Mgr. TH	FIRST FLOOR PLAN - MECHANICAL PIPING
		Scale 1/8" = 1'-0"	

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1	ADDENDUM 2	09.17.2025



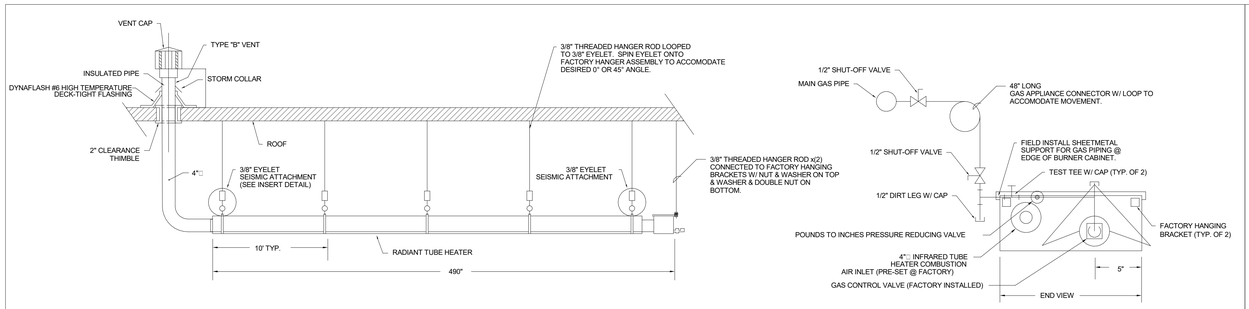
1 ROOF PLAN - MECHANICAL PIPING
M301 1/8" = 1'-0"

ENTIRE SHEET ADDED UNDER REVISION 1

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Sheet M301		Proj. Mgr. Checker	ROOF PLAN - MECHANICAL PIPING
		Scale 1/8" = 1'-0"	

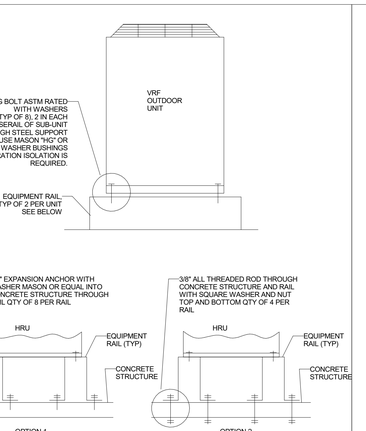
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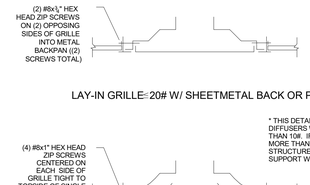
6 M401 INFRARED TUBE HEATER SEISMIC HANGING & SWAY BRACING DETAIL

NO SCALE



5 M401 VRF CONDENSING UNIT SEISMIC BRACING DETAIL

NO SCALE



2 M401 TYPICAL LAY-IN AIR DEVICE INSTALLATION DETAIL

NO SCALE

Typical Installation Details
(A) Retaining Angles
Minimum 1 1/2"x 1 1/2" x 0.054 (16ga.)
Retaining Angles must tap structural opening
1" minimum and cover corners of openings

(B) Clearance 1/8" Per Linear Foot
Both Dimensions (See Note 1 below)

(C) Steel Sleeve. See Schedule 2

(D) Approved Fire Damper (curtain or blade type)

(E) Secure Retaining Angles To Sleeve Only. On 8" Centers With:
1. 1/2" long Welds. Or
2. 1/4" Bolts and Nuts. Or
3. No. 10 Steel Screws. Or
4. Minimum 3/16" Steel Rivets

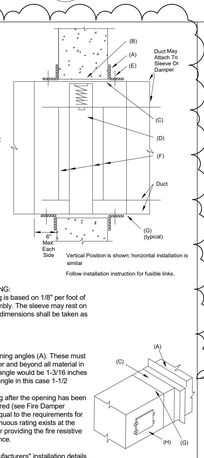
(F) Secure Damper To Sleeve On 8" Centers With:
1. 1/2" long Welds. Or
2. 1/4" Bolts and Nuts in Holes Provided. Or
3. No. 10 Steel Screws. Or
4. Minimum 3/16" Steel Rivets

(G) Connect Duct To Sleeve As Shown On Figure 2 and as outlined by Schedule 2.

(H) Install access door or panel as shown in Figure

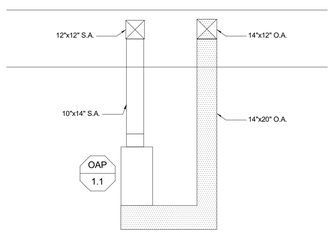
NOTES:
1. FIRE DAMPER SLEEVE CLEARANCE WITHIN WALL OPENING:
Clearance requirements for damper sleeves within a wall opening is based on 1/8" per foot of width (or height) unless otherwise stated in the listing of the assembly. The sleeve may rest on the bottom of the opening, and need not be centered. (Fractional dimensions shall be taken as the next largest whole foot.)
Example: a 30 inch x 24 inch fire damper sleeve is installed in a wall opening. The opening shall be 30-3/8 inches wide (1/8 inch x 3 feet) by 24-1/4 inches high (1/8 inch x 2 feet.)
The sleeve is retained in the wall opening by the use of steel retaining angles (A). These must over-lap the edge of the framing by a minimum of one (1) inch over and beyond all material in the opening. This means that the minimum width of the retaining angle would be 1-3/16 inches (good practice calls for an additional safety factor by making the angle in this case 1-1/2 inches wide.)
The dimensions required for the opening shall be those remaining after the opening has been framed and fire resistive materials materials provided where required (see Fire Damper Opening Protection Detail). The fire resistive materials shall be equal to the requirements for fire resistive materials used in the constructed wall so that a continuous rating exists at the wall penetration. The contractor erecting the wall is responsible for providing the fire resistive material and correct size openings to achieve the required clearance.

2. MANUFACTURERS' INSTALLATION DETAILS: The fire manufacturers" installation details and instructions as tested and approved by U.L. must be used in lieu of the above details where applicable.



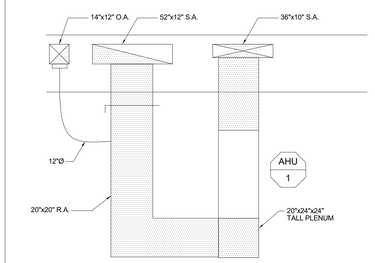
10 M401 BASIC FIRE DAMPER INSTALLATION DETAILS

NO SCALE



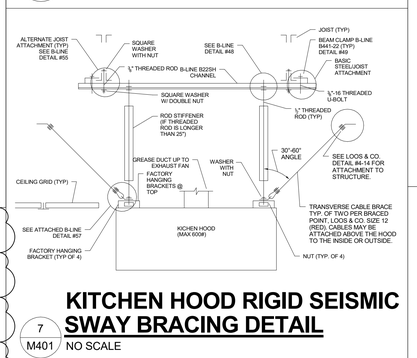
9 M401 OAP DETAIL

NO SCALE



1 M401 AHU DETAIL

NO SCALE

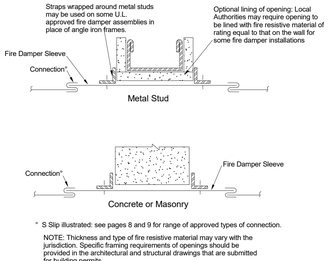


7 M401 KITCHEN HOOD RIGID SEISMIC SWAY BRACING DETAIL

NO SCALE

3 M401 HORIZONTAL AHU HANGING AND SEISMIC SWAY BRACING DETAIL

NO SCALE

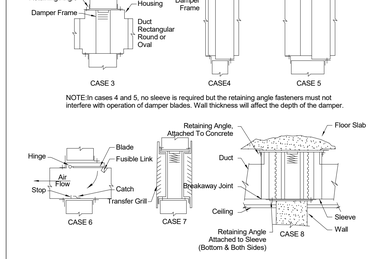


* S Slip illustrated: see pages 8 and 9 for range of approved types of connection.

NOTE: Thickness and type of fire resistive material may vary with the jurisdiction. Specific framing requirements of openings should be provided in the architectural and structural drawings that are submitted for building permits.

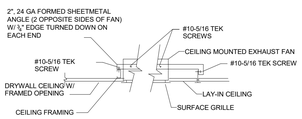
11 M401 FIRE DAMPER OPENING PROTECTION

NO SCALE



12 M401 VERTICAL FIRE DAMPER INSTALLATIONS

NO SCALE



8 M401 CEILING MOUNTED EXHAUST FAN SEISMIC ANCHORAGE DETAIL

NO SCALE

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DETAILS

Drawn By	Proj. Engr.	Proj. Mgr.	Scale
CGS	MDJ	TH	3/64" = 1'-0"

JARRELL MECHANICAL CONTRACTORS
4208 RIVER TRAIL NORTH
EARTH CITY, MISSOURI 63045
(314)291-6100
FAX (314)291-2803

Date	Job No.	Sheet
09/05/25	25-XXXX	M401

VRF CONDENSING UNITS

TYPE OF EQUIPMENT	CONDENSING UNIT	CONDENSING UNIT
PLAN REFERENCE	ODU-1	ODU-2
QUANTITY	1	1
LOCATION	GRADE - WEST SIDE	GRADE - EAST SIDE
NOMINAL CAPACITY (TONS)	14	16
REF TYPE	410a	410a
OUTDOOR AMBIENT	95	95
COOLING CAPACITY (MBH)	156.4	180.0
HEATING CAPACITY (MBH)	112.8	125.6
M.C.A.	70	44/40
MOCP	110	70/70
VOLTAGE	208/3/60	208/3/60
WEIGHT	777#	1226#
EQUAL TO MAKE	MITSUBISHI	MITSUBISHI
MODEL	TURYE160SAN1AN	TURYE192SBN1AN
ACCESSORIES:	1-3	1-4

ACCESSORIES:

1 - SIMULTANEOUS HEATING AND COOLING CAPACITY
2 - VFD CONTROLLED CONDENSING FANS
3 - UNIT MOUNTED STARTER
4 - 2 POWER CONNECTIONS

EXHAUST FANS

TYPE OF EQUIPMENT	EXHAUST FAN	EXHAUST FAN	EXHAUST FAN	EXHAUST FAN
PLAN REFERENCE	EF-1	EF-2 THRU 15	EF-16	AEF-1 THRU 11
QUANTITY	1	14	1	11
SERVES	APP BAY	TOILETS	IT CLOSET	ATTIC
CFM	4100	80	500	1170
SP	0.25"	0.25"	0.5"	-
BHP/RPM	0.64/1725	-	-	-
FAN RPM	786	-	-	-
HP	0.75	11.8 WATTS	188 WATTS	-
VOLTAGE	208/1/60	120/1/60	120/1/60	120/1/60
OPERATING WEIGHT LBS.	165#	39#	15#	-
EQUAL TO MAKE	COOK	DELTA BREEZ	COOK	AIR VENT
MODEL	210ACEB	BGSB-110	GC-720	PC128K
ACCESSORIES	1-5	2,6,7	1,2,8,9	10,11

ACCESSORIES:

1 - NEMA 1 DISCONNECT
2 - GRAVITY BACKDRAFT DAMPER
3 - 13.5" TALL ROOF CURB
4 - ALUMINUM BIRD SCREEN
5 - ROTARY BELT TENSIONER
6 - 6" TO 4" REDUCER
7 - 4"Ø WALL CAP
8 - FAN SPEED CONTROLLER
9 - WHITE ALUMINUM GRILLE
10 - ADJUSTABLE THERMOSTAT AND HUMIDISTAT
11 - BLACK COLOR

AIR DEVICE SCHEDULE

PLAN MARK	MAKE/MODEL	ACCES.	MATL	FINISH	NOTES
S1	TITUS/MTMS	-	ST	BWE	24"x24" LAY-IN, SIZE ON DWG
S2	TITUS/4900RS	-	ST	BWE	SURFACE MOUNT, SIZE ON DWG
R1	TITUS/MPAR	-	ST	BWE	24"x12" LAY-IN, 22"x10" NECK
R2	TITUS/MPAR	-	ST	BWE	24"x24" LAY-IN, 22"x22" NECK
R3	TITUS/MPAR	RMF	ST	BWE	24"x24" LAY-IN, SIZE ON DWG

MATERIAL:
ST -STEEL
AL -ALUMINUM
PL -PLASTIC
STD-STANDARD

ACCESSORIES:
VD -VOLUME DAMPER
APC-AIR PATTERN CONTROLLER
I - INSULATED PLENUM
SB - SECTORIZING BAFFLE
RMF - RAPID MOUNT DRYWALL FRAME
TB - INLET SIDE T-BAR
IB - INSULATED BLANKET

FINISH:
BWE-BAKED WHITE ENAMEL
CA -CLEAR ANODIZED
PC -PRIME COAT FOR FIELD PAINTING BY THE GENERAL CONTRACTOR
BLK - BLACK
GALV - GALVANIZED

FIRE DAMPER SCHEDULE

PLAN MARK	DUCT SIZE	WALL/ FLOOR THICKNESS	ORIENTATION (VERT. OR HORIZ.)	RATING (HRS)	ACCESS DOOR (Y/N)	VELOCITY (FT/MIN)	STYLE	LOCATION
FD-1	4"x8"	12"	VERT.	1-1/2	Y	800	B	TLT 132A
FD-2	8"x	12"	VERT.	1-1/2	Y	-	TR	DECON 132

DUCT CONNECTION:
TDF - TDF CONNECTION SHIPPED LOOSE ON NON-ACCESS DOOR END
S&D - SLIP & DRIVE CONNECTION SHIPPED LOOSE ON NON-ACCESS DOOR END
NONE - NO CONNECTIONS PROVIDED
N/A - NOT APPLICABLE

STYLE:
A - BLADES IN AIRSTREAM
B - BLADES OUT OF AIRSTREAM
CR - ROUND WITH BLADES OUT OF AIRSTREAM
CO - OVAL WITH BLADES OUT OF AIRSTREAM
OW - OUT OF FLOOR/WALL (TYPE A)
TR - TRUE ROUND (24"w MAX.)
TL - THIN LINE
GA1 - GRILLE ACCESS 1 SIDE
GA2 - GRILLE ACCESS 2 SIDES

GENERAL:
1. PROVIDE ONE-SIDED ANGLES ON ALL FIRE DAMPERS
2. EXTEND SLEEVE 4" BEYOND WALL/FLOOR ON SIDE WITHOUT ACCESS DOOR
3. B, CR & CO STYLE DAMPERS HAVE WALL/FLOOR OPENINGS LARGER THAN DUCT SIZE
4. FIELD VERIFY FIRE DAMPER BEFORE ORDERING

INFRA-RED HEATER

TYPE OF EQUIPMENT	INFRA-RED HEATER	INFRA-RED HEATER
PLAN REFERENCE	IRH-1 THRU 4	
QUANTITY	4	
HTG. CAP. MBH (INOUT)	100	
VOLTAGE	120/1/60	
WEIGHT	160#	
EQUAL TO MAKE	DETROIT RADIANT	
MODEL	HLS-30-100	
ACCESSORIES	1 - 6	

ACCESSORIES:

1 - FOR USE WITH NATURAL GAS
2 - 2-STAGE HEATING
3 - GRIPPLE TUBE HEATER HANGING CABLES
4 - REFLECTOR MOUNTING BRACKET
5 - 4" ROOFTOP VENT PACKAGE
6 - MANTROL HIGH PRESSURE REGULATOR
7 - BRAEBURN TWO-STAGE OR SINGLE STAGE CONTROL

ELECTRIC UNIT HEATER

TYPE OF EQUIPMENT	ELECTRIC UNIT HEATER	ELECTRIC UNIT HEATER
PLAN REFERENCE	EUH-1 THRU 4	EUH-5
QUANTITY	4	1
WATTAGE	3,000	5,000
F.L.A.	14.5	24.0
VOLTAGE	208/1/60	208/1/60
EQUAL TO MAKE	QMARK	QMARK
MODEL	MUH0381-PRO	MUH0581-PRO
ACCESSORIES	1 - 4	1 - 4

ACCESSORIES:

1 - DISCONNECT SWITCH
2 - BUILT-IN THERMOSTAT
3 - CEILING MOUNTING BRACKET
4 - 24VAC TRANSFORMER

GAS SPLIT SYSTEMS

TYPE OF EQUIPMENT	SPLIT SYSTEM
PLAN REFERENCE	AHU/CU-1
QUANTITY	1
ROOM DESIGN	75
OUTDOOR AMBIENT DESIGN	95
TOTAL COOLING CAP. (MBH)	56.7
SENS. COOLING CAP. (MBH)	42.8
HTG. CAP. MBH INOUT	100/97
E.A.T. DB/WB	80/67
CFM/E.S.P.	2000/0.5"
FAN HP/SPEED	-
AMPS/MOCP	13.9/15
VOLTAGE	120/1/60
OPERATING WEIGHT LBS.	145#
EQUAL TO MAKE	TRANE
MODEL	5WV0C150
CONDENSER DATA	
M.C.A./MOCP	28.0/30
VOLTAGE	208/1/60
OPERATING WT. LBS.	205#
EQUAL TO MAKE	TRANE
MODEL	5TTR4060A1000
ACCESSORIES	1-4

ACCESSORIES:

1 - CRANKCASE HEATER
2 - FILTERS
3 - 10 YEAR (PARTS ONLY) COMPRESSOR WARRANTY
4 - PROGRAMMABLE THERMOSTAT
5 - STAC DX COIL

GAS PRESSURE REGULATORS

EQUIPMENT SERVING	CAPACITY (CFH)	INLET PRESSURE		OUTLET PRESSURE		SIZE FINISH	EQUAL TO MAKE/MODEL
		MIN	MAX	MIN	MAX		
AHU-1	100	1#	2#	6" WC	9" WC	1/2"	MAXITROL 325-3
IRH-1,2,3,4	100	1#	2#	6" WC	14" WC	3/4"	SUPPLIED WITH HEATER
KITCHEN RANGE	115	1#	2#	6" WC	14" WC	1/2"	MAXITROL 325-3

GRAVITY INTAKE HOOD

TYPE OF EQUIPMENT	EXHAUST FAN
PLAN REFERENCE	GIH-1
QUANTITY	1
SERVES	APP BAY
CFM	4100
PRESSURE DROP (IN W.G.)	0.043"
OPERATING WEIGHT LBS.	215#
EQUAL TO MAKE	COOK
MODEL	36 TR
ACCESSORIES	1 -3

ACCESSORIES:

1 - BD-42 DAMPER
2 - 13.5" TALL ROOF CURB
3 - ALUMINUM BIRDSCREEN

RANGE HOOD

TYPE OF EQUIPMENT	RANGE HOOD
PLAN REFERENCE	H-1
QUANTITY	1
SERVES	RANGE
CFM	297 - 545
SP	0.25" - 1.35"
AMPS	3.7
VOLTAGE	120/1/60
OPERATING WEIGHT LBS.	80#
EQUAL TO MAKE	DENLAR
MODEL	D150SLD-F-NFPA101
ACCESSORIES	1 - 5

ACCESSORIES:

1 - WALL MOUNTED
2 - TOP DISCHARGE EXHAUST
3 - VARIABLE SPEED IN -LINE EXHAUST FAN
4 - MANUAL PULL STATION
5 - CLOCKBOX PRO

BRANCH CONTROLLER SCHEDULE

TYPE OF EQUIPMENT	BRANCH CONTROLLER	BRANCH CONTROLLER	
PLAN REFERENCE	BCU-1.1	BCU-2.1	
QUANTITY	1	1	
NO. OF PORTS	12	16	
M.C.A.	1.19	1.67	
VOLTAGE	208/1/60	208/1/60	
WEIGHT	133#	160#	
EQUAL TO MAKE	MITSUBISHI	MITSUBISHI	
MODEL	TCMBM1012JA21N4	TCMBM1016JA21N4	
ACCESSORIES:	1,2,3	1,2,3	

ACCESSORIES:

1 - R-410A
2 - DIAMOND BACK BALL VALVES BY-WERKS, 700 PSIG WORKING PRESSURE, FULL PORT
3 - ALLOWS SIMULTANEOUSE HEATING AND COOLING

ELECTRIC WALL HEATER

TYPE OF EQUIPMENT	ELECTRIC WALL HEATER
PLAN REFERENCE	EWH-1
QUANTITY	1
WATTAGE	4,000
F.L.A.	19.2
VOLTAGE	208/1/60
EQUAL TO MAKE	QMARK
MODEL	AWH4408F
ACCESSORIES	1,2,3

ACCESSORIES:

1 - BUILT-IN DISCONNECT SWITCH
2 - BUILT-IN THERMOSTAT
3 - SEMI-RECESSED MOUNTING

LOUVERS

TYPE OF EQUIPMENT	LOUVER	LOUVER	LOUVER
PLAN REFERENCE	L-1	L-2	L-3
QUANTITY	1	1	1
SERVES	AHU-1	OAP-1.1	OAP-2.1
CFM	435	500	570
PD W.G.	0.03"	0.04"	0.05"
FPM INTAKE	380	436	498
INTAKE AREA SF	1.15	1.15	1.15
WIDTH	36"	36"	36"
HEIGHT	12"	12"	12"
EQUAL TO MAKE	RUSKIN	RUSKIN	RUSKIN
MODEL	ELF375DX	ELF375DX	ELF375DX
ACCESSORIES	1 - 3	1 - 3	1 - 3

TYPE OF EQUIPMENT	LOUVER	LOUVER
PLAN REFERENCE	L-4.5	L-6
QUANTITY	1	1
SERVES	HOSE TOWER	RANGE HOOD
CFM	1000	575
PD W.G.	0.03"	0.03"
FPM INTAKE	563	429
INTAKE AREA SF	1.77	1.36
WIDTH	36"	24"
HEIGHT	20	18"
EQUAL TO MAKE	RUSKIN	RUSKIN
MODEL	XF555WD	ELF375DX
ACCESSORIES	1 - 5	1 - 3

ACCESSORIES:

1 - BIRD SCREEN
2 - MILL FINISH
3 - AMCA CERTIFIED RATINGS
4 - ICC-ES RATED
5 - 36"x36" CONTROL DAMPER

VRV FAN COIL SCHEDULE

TYPE OF EQUIPMENT	VARIABLE REFRIGERANT FLOW CEILING CASSETTE	VARIABLE REFRIGERANT FLOW CEILING CASSETTE	VARIABLE REFRIGERANT FLOW CEILING CASSETTE	VARIABLE REFRIGERANT FLOW CEILING CASSETTE
PLAN REFERENCE	FCU-1.1	FCU-1.2	FCU-1.3	FCU-1.4
QUANTITY	1	1	1	1
ROOM DESIGN	75	75	75	75
OUTDOOR AMBIENT DESIGN	95	95	95	95
TOTAL COOLING CAP. (MBH)	11.3	4.7	11.3	4.7
SENS. COOLING CAP. (MBH)	7.8	4.3	7.8	4.3
HTG. CAP. (MBH)	8.2	3.4	8.2	3.4
ELEC. REHEAT CAP. (KW)	-	-	-	-
E.A.T. DB/WB	80/67	80/67	80/67	80/67
CFM/E.S.P.	335	280	335	280
M.C.A./MOCP	0.27/15	0.24/15	0.27/15	0.24/15
VOLTAGE	208/1/60	208/1/60	208/1/60	208/1/60
OPERATING WEIGHT LBS.	32#	29#	32#	29#
EQUAL TO MAKE	MITSUBISHI	MITSUBISHI	MITSUBISHI	MITSUBISHI
MODEL	TPLFYP012NFI4AB	TPLFYP009NFI4AB	TPLFYP012NFI4AB	TPLFYP009NFI4AB
ACCESSORIES	1,2	1,2	1,2	1,2

TYPE OF EQUIPMENT	VARIABLE REFRIGERANT FLOW CEILING CASSETTE	VARIABLE REFRIGERANT FLOW DUCTED FAN COIL	VARIABLE REFRIGERANT FLOW DUCTED FAN COIL	OUTSIDE AIR PROCESSING UNIT
PLAN REFERENCE	FCU-1.5	FCU-1.6	FCU-1.7	OAP-1.1
QUANTITY	1	1	1	1
ROOM DESIGN	75	75	75	-
OUTDOOR AMBIENT DESIGN	95	95	95	0/95
TOTAL COOLING CAP. (MBH)	11.3	45.2	22.6	41.5
SENS. COOLING CAP. (MBH)	7.8	32.4	16.7	23.9
HTG. CAP. (MBH)	8.2	32.6	16.3	31.29
ELEC. REHEAT CAP. (KW)	-	-	-	5.0
E.A.T. DB/WB	80/67	80/67	80/67	80/76 - 0
CFM/E.S.P.	335	1306	883	550/1.0"
M.C.A./MOCP	0.27/15	4.38/15	2.88/15	35.8/40
VOLTAGE	208/1/60	208/1/60	208/1/60	208/1/60
OPERATING WEIGHT LBS.	32#	86#	67#	225#
EQUAL TO MAKE	MITSUBISHI	MITSUBISHI	MITSUBISHI	TRANE
MODEL	TPLFYP012FMY4B	TPEFYP048B41AA	TPEFYP024A41AA	BCVE024
ACCESSORIES	1,2	1,2	1,2	3

TYPE OF EQUIPMENT	VARIABLE REFRIGERANT FLOW DUCTED FAN COIL	VARIABLE REFRIGERANT FLOW CEILING CASSETTE	VARIABLE REFRIGERANT FLOW CEILING CASSETTE	VARIABLE REFRIGERANT FLOW CEILING CASSETTE
PLAN REFERENCE	FCU-2.1	FCU-2.2 THRU 2.7	FCU-2.8	FCU-2.9
QUANTITY	1	6	1	1
ROOM DESIGN	75	75	75	75
OUTDOOR AMBIENT DESIGN	95	95	95	95
TOTAL COOLING CAP. (MBH)	17.0	7.6	17.0	4.7
SENS. COOLING CAP. (MBH)	16.6	6.1	14.1	4.3
HTG. CAP. (MBH)	11.6	5.3	11.6	3.3
ELEC. REHEAT CAP. (KW)	-	-	-	-
E.A.T. DB/WB	80/67	80/67	80/67	80/67
CFM/E.S.P.	883	315	812	280
M.C.A./MOCP	2.88/15	0.28/15	0.54/15	0.24/15
VOLTAGE	208/1/60	208/1/60	208/1/60	208/1/60
OPERATING WEIGHT LBS.	59#	29#	59#	29#
EQUAL TO MAKE	MITSUBISHI	MITSUBISHI	MITSUBISHI	MITSUBISHI
MODEL	TPLFYP018FMY4B	TPLFYP009FMY4B	TPLFYP018DMY4A	TPLFYP009FMY4B
ACCESSORIES	1,2	1,2	1,2	1,2

TYPE OF EQUIPMENT	VARIABLE REFRIGERANT FLOW CEILING CASSETTE	VARIABLE REFRIGERANT FLOW DUCTED FAN COIL	OUTSIDE AIR PROCESSING UNIT	
PLAN REFERENCE	FCU-2.10	FCU-2.11	OAP-2.1	
QUANTITY	1	1	1	
ROOM DESIGN	75	75	-	
OUTDOOR AMBIENT DESIGN	95	95	0/95	
TOTAL COOLING CAP. (MBH)	4.7	45.5	46.2	
SENS. COOLING CAP. (MBH)	4.3	32.5	28.8	
HTG. CAP. (MBH)	3.3	31.8	31.29	
ELEC. REHEAT CAP. (KW)	-	-	5.0	
E.A.T. DB/WB	80/67	80/67	95/76 - 0	
CFM/E.S.P.	280	1306	575/1.0"	
M.C.A./MOCP	0.24/15	4.38/15	35.8	
VOLTAGE	208/1/60	208/1/60	208/1/60	
OPERATING WEIGHT LBS.	29#	86#	225#	
EQUAL TO MAKE	MITSUBISHI	MITSUBISHI	TRANE	
MODEL	TPLFYP009FMY4B	TPEFYP048B41AA	BCVE024	
ACCESSORIES	1,2	1,2	3	

ACCESSORIES:

1 - BUILT-IN CONDENSATE PUMP
2 - WIRED CONTROLLER
3 - LEV KIT AND AHU CONTROLLER - CONTROLLER REQUIRES SEPARATE POWER CONNECTION (0.005 AMPS @ 208/1/60)

Revisions

Number	Description	Date
	ISSUED FOR PERMIT	09.05.2025
1	ADDENDUM 2	09.17.2025

THE SEAL AND SIGNA-TURE APPEARING ON THIS DOCUMENT IS AUTHENTICATED AND EXPIRES 06/30/26. ANY ALTERATIONS TO THIS DOCUMENT IN ELECTRONIC FORMAT OR OTHERWISE, WITHOUT THE SEAL AND SIGNATURE OF THE ARCHITECT/ENGINEER OF RECORD, IS PROHIBITED.

WCFPD Station 1

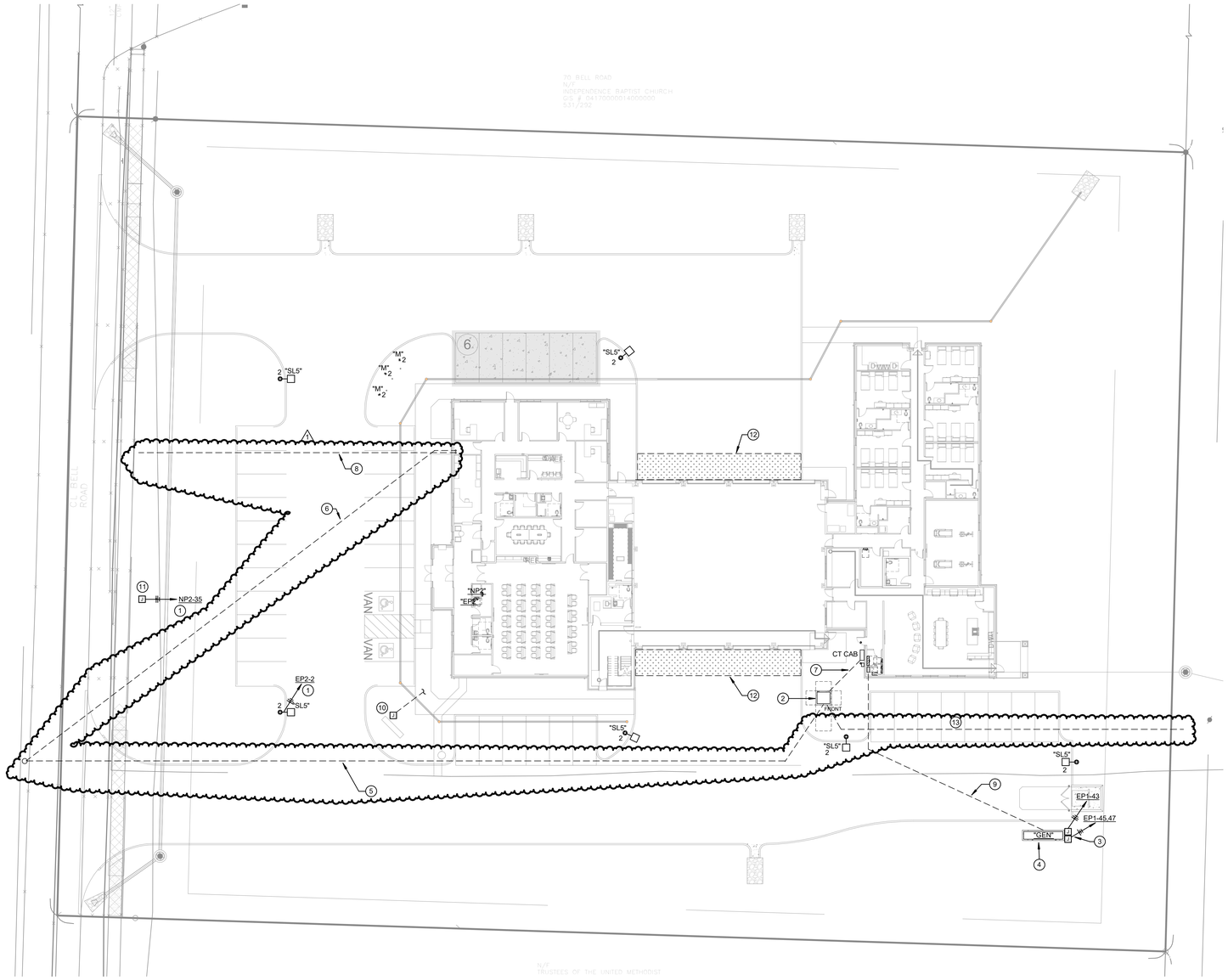
60 Bell Road
Wright City, MO 63390

SCHEDULES

Drawn By: CGS
Proj. Engr.: MDJ
Proj. Mgr.: TH
Scale: 1/8" = 1'-0"

JARRELL MECHANICAL CONTRACTORS
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EARTH CITY, MISSOURI 63045
(314)291-0100
FAX (314)291-2835

Date: 09/05/25
Job No.: 25-XXXX
Sheet: M500



SITE PLAN - ELECTRICAL

SCALE: 1" = 20'-0"

KEYED NOTES

1. ROUTE CIRCUIT THROUGH LIGHTING CONTACTOR/TIMECLOCK.
2. PROVIDE AND INSTALL PAD PER UTILITY COMPANY STANDARDS.
3. PROVIDE POWER TO GENERATOR BATTERY CHARGER AND BLOCK HEATER PER MANUFACTURERS REQUIREMENTS. IN ADDITION, PROVIDE (2) 1"C FOR CONTROLS.
4. PROVIDE HOUSEKEEPING PAD FOR GENERATOR. 4" DEEP, 6" AROUND.
5. PROVIDE (1) 4"C FOR PRIMARY CONDUIT FROM PROPERTY LINE TO TRANSFORMER. INSTALL 36" BELOW GRADE. BORE BENEATH BELL ROAD TO UTILITY POLE.
6. PROVIDE (1) 4"C FOR TELECOM CONDUIT FROM AMEREN POLE TO BUILDING IT ROOM. BORE BENEATH BELL ROAD TO UTILITY POLE.
7. SECONDARY CONDUIT. REFER TO ONELINE DIAGRAM.
8. PROVIDE 4" CONDUIT OUT TO GRASSY AREA NEAR ROAD, TERMINATED IN A 12"X12" HANDHOLE FOR FUTURE SIGNAL.
9. CONDUIT FOR FEEDERS TO GENERATOR.
10. PROVIDE 1" CONDUIT FROM PANEL NP2 TO 12"X12" JUNCTION BOX ON SITE. JUNCTION BOX INTENDED FOR FUTURE CIRCUITRY. COORDINATE FINAL LOCATION WITHIN AREA.
11. PROVIDE POWER TO MONUMENT SIGN. PROVIDE LOCKABLE BREAKER IN PANEL INDICATED.
12. ALTERNATE: PROVIDE 10'-0" WIDE SECTION WITH SNOWMELT. PROVIDE RAYCHEM (NVENT), ELECTRO MELT SELF REGULATING HEATING CABLE. PROVIDE CONTROLLER INSIDE APP BAY. COORDINATE AND PROVIDE ALL ELECTRICAL CONNECTIONS REQUIRED TO PANEL 'NP'.
13. EXTEND (1) 4"C FROM UTILITY TRANSFORMER TO PROPERTY LINE.

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STATE OF MISSOURI
MARCUS ECKSTEIN
NUMBER PE-2019017810
PROFESSIONAL ENGINEER

WCFPD Station 1
Wright City Fire Protection District

60 Bell Road
Wright City, MO 63390

Revisions:

No:	Date:	Description:
1	09-17-2025	ADDENDUM 2

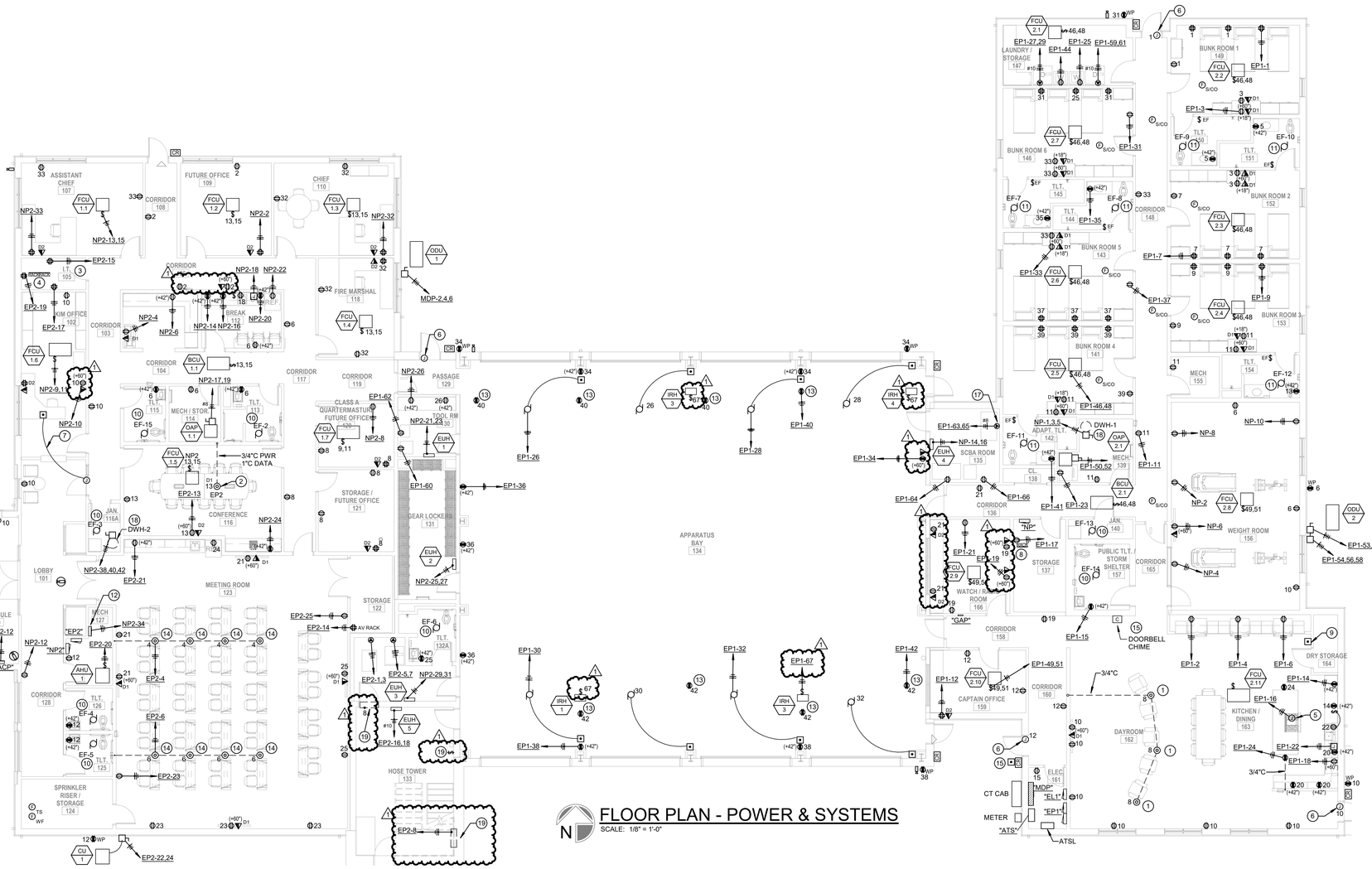
Sheet Info:

SITE PLAN

Drawn By:	ENGENUITY, Inc
Checked By:	MAE
Commission:	025-2125
Date:	08-19-25

E100

9/17/2025 11:54:08 AM



FLOOR PLAN - POWER & SYSTEMS

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

GENERAL NOTES

A. ALL WALL ROUGH-IN SHALL HAVE A SITE WALK THROUGH AND SIGN OFF FROM OWNER PRIOR TO WIRE PULL AND DRYWALL.

B. ALL CEILING ROUGH-IN WITHIN APP BAY TO HAVE A SITE WALK THROUGH AND SIGN OFF FROM OWNER PRIOR TO WIRE PULL.

C. RECEPTACLES/LIGHTING CONTROLS IN THE APP BAY WILL BE ACCEPTABLE SURFACE MOUNTED (UNLESS IN DRYWALL) ON CMU WALLS.

D. ALL OTHER RECEPTACLES/DEVICES/LTG CONTROLS OCCURRING IN CMU WALLS SHALL BE RECESSED.

(#) KEYED NOTES

1. PROVIDE NON METALLIC IN-SLAB FLOOR BOX WITH TWO DUPLEX RECEPTACLES AND TWO USB-A PORTS.
2. PROVIDE NON METALLIC IN-SLAB FLOOR BOX WITH TWO DUPLEX RECEPTACLES, 1-GANG FOR DATA AND 1-GANG FOR FUTURE AV. EQUAL TO LEGRAND EVOLUTION 4-GANG.
3. PROVIDE 3/4"X4'-0" FIRE RATED PLYWOOD ON ALL WALLS OF IT ROOM.
4. PROVIDE 4-POST DATA RACK. PROVIDE FIBER INTERCONNECTION TO DATA RACK IN LIVING QUARTERS. ALL DATA CABLING ON ADMIN SIDE AND WITHIN THE APP BAY TO HOMERUN TO THIS RACK.
5. PROVIDE CONNECTION TO HOOD AND GAS STOVE IGNITER.
6. PROVIDE POWER TO DOOR ACCESS POWER SUPPLY.
7. PROVIDE DOOR ACCESS CONTROL AT FRONT DESK FOR CONTROL OF CORRIDOR DOOR.
8. PROVIDE 4-POST DATA RACK. ALL DATA CABLING IN THE LIVING QUARTERS TO HOMERUN TO THIS RACK. WALL MOUNTED RACK WILL BE AN ACCEPTABLE ALTERNATE.
9. PROVIDE EMERGENCY POWER OFF TO SHUT OFF GAS STOVE.
10. CONTROL EXHAUST FAN WITH LIGHTING CIRCUIT/SWITCH.
11. CONNECT EXHAUST FAN TO LIGHTING CIRCUIT. PROVIDE SEPARATE SWITCH FOR FAN AS SHOWN.
12. PROVIDE 6-POLE LIGHTING CONTACTOR WITH PHOTOCELL ON ROOF AND TIMELOCK FOR CONTROL OF EXTERIOR SITE LIGHTING POLES, MONUMENT SIGN AND APP BAY EXTERIOR LIGHTING.
13. PROVIDE HEAVY DUTY CORD REEL, KH INDUSTRIES (OR EQUAL) WITH 50'-0" RETRACTABLE CORD AND GFCI RECEPTACLE. COORDINATE EXACT MOUNTING WITH STRUCTURE (PROVIDE UNISTRUT SUPPORT AS NEEDED) TO ENSURE DEVICE IS ON DRIVERS SIDE DOOR.
14. PROVIDE NON METALLIC FLOOR BOX WITH (2) DUPLEX RECEPTACLES AND SPARE GANG FOR FUTURE DATA. PROVIDE 3/4"C FOR POWER AND 1"C TO ACCESSIBLE CEILING. COVER FINISH TO BE BLACK.
15. PROVIDE STANDARD RESIDENTIAL STYLE DOORBELL SYSTEM WITH PUSH BUTTON AND CHIME. SEE SPECIFICATIONS FOR ALTERNATE DOORBELL SYSTEM TO BE PRICED.
16. PROVIDE POWER TO BABY BOX. PROVIDE CONNECTION TO FIRE ALARM SYSTEM TO BE ALERTED WHEN BOX IS OPENED PER MANUFACTURERS INSTRUCTIONS.
17. OUTLET INTENDED FOR COMPRESSOR. VERIFY EXACT ELECTRICAL REQUIREMENTS WITH PURCHASED EQUIPMENT PRIOR TO ROUGH-IN.
18. PROVIDE ADDITIONAL OUTLET AND 120V CONNECTION FROM NEAREST 120V CIRCUIT FOR RECIRC PUMP AT HOT WATER HEATERS.
19. PROVIDE POWER TO MOTORIZED DAMPERS FOR NATURAL VENILATION FOR STORM SHELTER. PROVIDE MANUAL TOGGLE SWITCH WITH PROTECTIVE COVER FOR ON/OFF OPERATION. LABEL SWITCH "EMERGENCY VENTILATION".

LOW VOLTAGE SCOPE

1. COORDINATE ALL LOW VOLTAGE SYSTEMS ROUGH-IN WITH FEATHERSHARK LOW VOLTAGE DRAWINGS. CONTRACTOR SHALL PROVIDE AN ALTERNATE PRICE FOR WIRING (FURNISH AND INSTALL) FOR ALL LOW VOLTAGE SYSTEMS. ALL CABLE TERMINATIONS AT EQUIPMENT HEAD END AND DEVICES SHALL BE BY FEATHERSHARK.

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ENGENUITY
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SUITE 350
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STATE OF MISSOURI
MARCUS ECKSTEIN
NUMBER PE-2019017810
PROFESSIONAL ENGINEER

WCFPD Station 1
Wright City Fire Protection District
60 Bell Road
Wright City, MO 63390

Revisions:

No:	Date:	Description:
1	09-17-2025	ADDENDUM 2

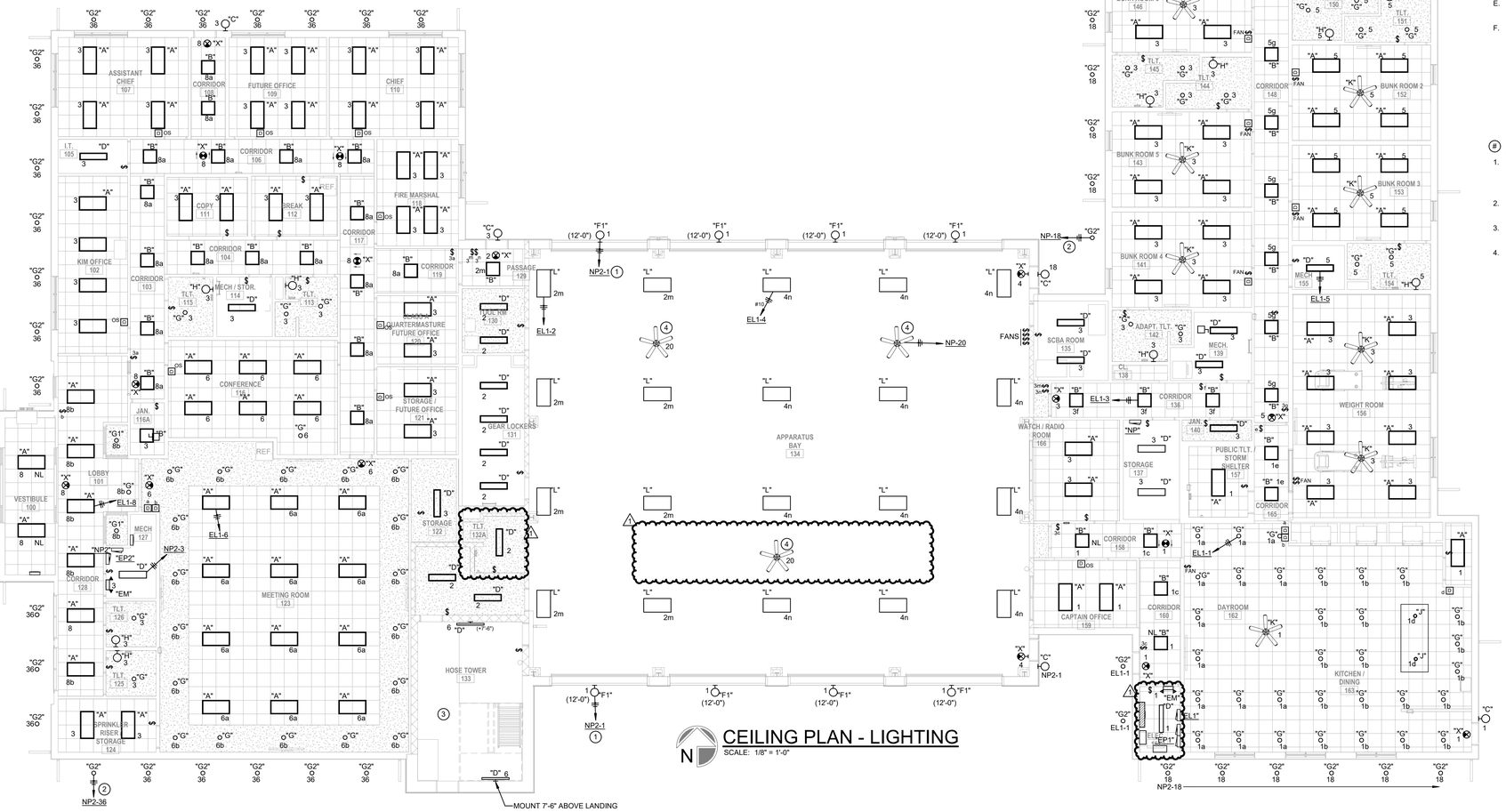
Sheet Info:

FLOOR PLAN

Drawn By:	AB
Checked By:	ME
Commission:	025-2125
Date:	08-19-25

E201

9/17/2025 11:54:13 AM



CEILING PLAN - LIGHTING

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

GENERAL NOTES

A. ALL WALL ROUGH-IN SHALL HAVE A SITE WALK THROUGH AND SIGN OFF FROM OWNER PRIOR TO WIRE PULL AND DRYWALL.

B. ALL CEILING ROUGH-IN WITHIN APP BAY TO HAVE A SITE WALK THROUGH AND SIGN OFF FROM OWNER PRIOR TO WIRE PULL.

C. PROVIDE GTD SWITCHING DEVICE IN FRONT OF ALL LIGHTING CIRCUITS ON THE GENERATOR TO COMPLY WITH UL924.

D. RECEPTACLES/LTG CONTROLS IN THE APP BAY WILL BE ACCEPTABLE SURFACE MOUNTED (UNLESS IN DRYWALL) ON CMU WALLS.

E. ALL OTHER RECEPTACLES/DEVICES/LTG CONTROLS OCCURRING IN CMU WALLS SHALL BE RECESSED.

F. ELECTRICAL CONTRACTOR TO PROVIDE NECESSARY BLOCKING AT EXTERIOR SOFFITS FOR LIGHTING FIXTURE SUPPORT.

(#) KEYED NOTES

1. BASE BID: ROUTE CIRCUIT THROUGH LIGHTING CONTACTOR.
   A. ALTERNATE: FIXTURE TYPE 'F1' CHANGES TO TYPE 'F1A' TO BE CONTROLLED VIA CASAMBI (APP BASED LIGHTING CONTROLLER).
2. TYPE 'GZ' LIGHTING FIXTURES TO BE CONTROLLED VIA CASAMBI APP.
3. AT HOSE TOWER, PROVIDE POWER TO BACKLIT SIGNAGE (QTY 4) FOR HOUSE NUMBER. CONNECT TO CIRCUIT NP2-1.
4. PROVIDE INDUSTRIAL GRADE CEILING FAN, 60", 120V WITH SPEED CONTROL. MARLEY ENGINEERED PRODUCT OR EQUAL. PROVIDE DOWNROD AS REQUIRED. COORDINATE FINAL LOCATION WITH ALL CEILING MOUNTED EQUIPMENT.

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MARCUS ECKSTEIN
NUMBER PE-2019017810
PROFESSIONAL ENGINEER

WCFPD Station 1
Wright City Fire Protection District
60 Bell Road
Wright City, MO 63390

Revisions:

No:	Date:	Description:
1	09-17-2025	ADDENDUM 2

Sheet Info:

CEILING PLAN

Drawn By:	ENGENUITY, Inc
Checked By:	MAE
Commission:	025-2125
Date:	08-19-25

E301

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EL1

208Y/120V
3-PHASE, 4-WIRE + GROUND

BUS: **100 AMPS**
MAINS: **MLO**

PANEL NAME: **EL1**
FED FROM:
MOUNTING:

OPTIONS:

N	DESCRIPTION	ID	VOLT AMPS A	B	C	OCPD SIZE			OCPD SIZE	VOLT AMPS A	B	C	ID	DESCRIPTION	N
	DINING/KIT/CAPT LTG	L	1,374			20/1	1	2	20/1	1,470			L	APP BAY LIGHTING	
	BUNK RM LIGHTING	L		1,458		20/1	3	4	30/1		1,859		L	APP BAY LIGHTING	
	BUNK RM LIGHTING	L			1,098	20/1	5	6	20/1			1,225	L	CONF/MTG ROOM LIGHTING	
						20/1	7	8	20/1	907			L	OFFICE CORRIDOR/LOBBY LTG	
						20/1	9	10	20/1						
						20/1	11	12	20/1						
						20/1	13	14	20/1						
						20/1	15	16	20/1						
						20/1	17	18	20/1						
						20/1	19	20	20/1						
						20/1	21	22	20/1						
						20/1	23	24	20/1						

CONNECTED LOAD (Downstream Loads Included)

TOTAL PHASE "A" VA	3,751
TOTAL PHASE "B" VA	3,317
TOTAL PHASE "C" VA	2,329
TOTAL CONNECTED VA	9,391
TOTAL CONNECTED AMPS	26

NOTES:

LOAD SUMMARY WITH DOWNSTREAM LOADS INCLUDED

CATEGORY	CONNECTED	DEMAND	DESIGN VA	AMPS @ 208Y/120V
LIGHTING	9391	125%	11739	33
RECEPT	0	100%	0	0
RECEPT	0	50%	0	0
MOTOR	0	100%	0	0
LRGST MTR	0	125%	0	0
MISC/GENERAL	0	100%	0	0
KITCHEN	0		0	0
ELEC HEAT	0	125%	0	0
USER DEFINED	0		0	0
USER DEFINED	0		0	0
USER DEFINED	0		0	0
TOTAL	**9391**		**11739**	**33**

EP1

208Y/120V
3-PHASE, 4-WIRE + GROUND

BUS: **400 AMPS**
MAINS: **MLO**

PANEL NAME: **EP1**
FED FROM:
MOUNTING:

OPTIONS:

N	DESCRIPTION	ID	VOLT AMPS A	B	C	OCPD SIZE			OCPD SIZE	VOLT AMPS A	B	C	ID	DESCRIPTION	N
	REC-BUNK-149	R	1,260			20/1	1	2	20/1	900			R	REC-FRIDGE-167	
	REC-BUNK-149,152	R		720		20/1	3	4	20/1		900		R	REC-FRIDGE-167	
	REC-BATHROOM-150,151	R			360	20/1	5	6	20/1			900	R	REC-FRIDGE-167	
	REC-BUNK-152	R	1,260			20/1	7	8	20/1	540			R	REC- DAYROOM-160	
	REC-BUNK-153	R		1,260		20/1	9	10	20/1		1,260		R	REC-DAYROOM,KITCHEN-160,167	
	REC-BUNK,STORAGE-153,155	R			1,260	20/1	11	12	20/1			900	R	REC-OFFICE-164	
	REC-BATHROOM-154	R	180			20/1	13	14	20/1	360			R	REC-ABOVE CTR-167	
	REC-BATHROOM-161	R		360		20/1	15	16	20/1		300		R	REC-OVEN HOOD-167	
	REC-STORAGE-137	R			1,500	20/1	17	18	20/1			1,500	R	REC-MIC-167	
	REC-WATCH ROOM-163	R	360			20/1	19	20	20/1	540			R	REC-ABOVE CTR-167	
	REC-WATCH ROOM-163	R		540		20/1	21	22	20/1		500		R	REC-DW-167	
	REC-MECH-139	R			180	20/1	23	24	20/1			360	R	REC-KITCHEN ISLAND-167	
	REC-WASHER-147	R	1,500			20/1	25	26	20/1	500			R	GARAGE DOOR - APP BAY	
	REC-DRYER-147	R		2,500		30/2	27	28	20/1		500		R	GARAGE DOOR - APP BAY	
	-	R			2,500	-	29	30	20/1			500	R	GARAGE DOOR - APP BAY	
	REC-BUNK-146	R	1,440			20/1	31	32	20/1	500			R	GARAGE DOOR - APP BAY	
	REC-BUNK-143,146	R		900		20/1	33	34	20/1		1,080		R	REC-BAY,BATHROOM-130,134	
	REC-BATHROOM-144,145	R			360	20/1	35	36	20/1			540	R	REC-BAY-134	
	REC-BUNK-143	R	1,260			20/1	37	38	20/1	540			R	REC-BAY-134	
	REC-BUNK-142	R		1,260		20/1	39	40	20/1		720		R	APP BAY CORD REELS	
	REC-BATHROOM-142	R			180	20/1	41	42	20/1			720	R	APP BAY CORD REELS	
	GENERATOR BATTERY CHARGER	R	1,500			20/1	43	44	20/1	1,500			R	WASHING MACHINE	
	GENERATOR HEATER	R		1,500		20/2	45	46	20/2		600		M	FCU - BUNK ROOMS	
	-	R			1,500	-	47	48	-			600	M	-	
	FCU - LQ COMMON AREAS	M	600			20/2	49	50	50/2	3,640			M	OAP 2.1	
	-	M		600		-	51	52	-		3,640		M	-	
	ODU-2 CKT 1	M			5,280	70/3	53	54	70/3			5,280	M	OCU 2 CKT 2	
	-	M	5,280			-	55	56	-	5,280			M	-	
	-	M		5,280		-	57	58	-		5,280		M	-	
	DRYER	R			2,000	30/2	59	60	20/1			500	R	TOOL ROOM RECEPT	
	-	R	2,000			-	61	62	20/1	500			R	TOOL ROOM RECEPT	
	SCBA COMPRESSOR	R		3,000		40/2	63	64	20/1		180		R	SCBA MISC POWER	
	-	R			3,000	-	65	66	20/1			180	R	SCBA MISC POWER	
	APP BAY HEATERS	G	400			20/1	67	68	20/1					SPARE	
	SPARE					20/1	69	70	20/1					SPARE	
	SPARE					20/1	71	72	20/1					SPARE	
	SPARE					20/1	73	74	20/1					SPARE	
	SPARE					20/1	75	76	20/1					SPARE	
	SPARE					20/1	77	78	20/1					SPARE	
	PANEL EP2	G	11,423			200/3	79	80	20/1					SPARE	
	-	G		11,423		-	81	82	20/1					SPARE	
	-	G			11,423	-	83	84	20/1					SPARE	

CONNECTED LOAD (Downstream Loads Included)

TOTAL PHASE "A" VA	43,263
TOTAL PHASE "B" VA	44,303
TOTAL PHASE "C" VA	41,523
TOTAL CONNECTED VA	129,089
TOTAL CONNECTED AMPS	359

NOTES:

LOAD SUMMARY WITH DOWNSTREAM LOADS INCLUDED

CATEGORY	CONNECTED	DEMAND	DESIGN VA	AMPS @ 208Y/120V
LIGHTING	0	125%	0	0
RECEPT	10,000	100%	10000	28
RECEPT	43060	50%	21530	60
MOTOR	41360	100%	41360	115
LRGST MTR	0	125%	0	0
MISC/GENERAL	34269	100%	34269	95
KITCHEN	0		0	0
ELEC HEAT	0	125%	0	0
USER DEFINED	0		0	0
USER DEFINED	0		0	0
USER DEFINED	0		0	0
TOTAL	**128689**		**107159**	**298**

EP2

208Y/120V
3-PHASE, 4-WIRE + GROUND

BUS: **225 AMPS**
MAINS: **MLO**

PANEL NAME: **EP2**
FED FROM:
MOUNTING:

OPTIONS:

N	DESCRIPTION	ID	VOLT AMPS A	B	C	OCPD SIZE			OCPD SIZE	VOLT AMPS A	B	C	ID	DESCRIPTION	N
	REC-LAUNDRY	R	2,500			30/2	1	2	20/1	1,250			L	SITE LIGHTING	
	-	R		2,500		30/2	3	4	20/1		720		R	MEETING RM FLOOR RECEPTS	
	REC-LAUNDRY	R			2,500	30/2	5	6	20/1			720	R	MEETING RM FLOOR RECEPTS	
	-	R	2,500			30/2	7	8	20/1	200			R	HOSE TOWER DAMPERS	
	SPARE					20/1	9	10	20/1					SPARE	
	SPARE					20/1	11	12	20/1			200	R	FIRE ALARM CONTROL PANEL	
	REC-CONFERENCE-116,114	R	1,040			20/1	13	14	20/1	360			R	MEETING RM AV RACK	
	REC-I.T.-105	R		360		20/1	15	16	30/2		2,500		E	EUH-5	
	REC-I.T.-105	R			360	20/1	17	18	-			2,500	E	-	
	REC-I.T.-105	R	360			20/1	19	20	20/1	1,200			E	GAS AHU-1	
	REC-MEETING ROOM-123	R		720		20/1	21	22	30/2		2,900		M	CU-1	
	REC-MEETING ROOM-123	R			720	20/1	23	24	-			2,900	M	-	
	REC-MEETING ROOM-123	R	540			20/1	25	26	20/1					SPARE	
	SPARE					20/1	27	28	20/1					SPARE	
	SPARE					20/1	29	30	20/1					SPARE	
	SPARE					20/1	31	32	20/1					SPARE	
	SPARE					20/1	33	34	20/1					SPARE	
	SPARE					20/1	35	36	20/1					SPARE	
	SPARE					20/2	37	38	20/1					SPARE	
	SPARE					20/3	39	40	20/1					SPARE	
	SPARE					20/4	41	42	20/1					SPARE	

CONNECTED LOAD (Downstream Loads Included)

TOTAL PHASE "A" VA	9,950
TOTAL PHASE "B" VA	9,700
TOTAL PHASE "C" VA	9,900
TOTAL CONNECTED VA	29,550
TOTAL CONNECTED AMPS	82

NOTES:

LOAD SUMMARY WITH DOWNSTREAM LOADS INCLUDED

CATEGORY	CONNECTED	DEMAND	DESIGN VA	AMPS @ 208Y/120V
LIGHTING	6711	125%	8389	23
RECEPT	10,000	100%	10000	28
RECEPT	4660	50%	2330	6
MOTOR	5800	100%	5800	16
LRGST MTR	0	125%	0	0
MISC/GENERAL	0	100%	0	0
KITCHEN	0		0	0
ELEC HEAT	6200	125%	7750	22
USER DEFINED	0		0	0
USER DEFINED	0		0	0
USER DEFINED	0		0	0
TOTAL	**33371**		**34269**	**95**

NP

208Y/120V
3-PHASE, 4-WIRE + GROUND

BUS: **400 AMPS**
MAINS: **MLO**

PANEL NAME: **NP**
FED FROM:
MOUNTING:

OPTIONS:

N	DESCRIPTION	ID	VOLT AMPS A	B	C	OCPD SIZE			OCPD SIZE	VOLT AMPS A	B	C	ID	DESCRIPTION	N
	DWH-1	G	5,000			100/3	1	2	20/1	1,500			R	REC-WEIGHT ROOM-157	
	-	G		5,000		-	3	4	20/1		1,500		R	REC-WEIGHT ROOM-157	
	-	G			5,000	-	5	6	20/1			720	R	REC-WEIGHT ROOM-157	
	SPARE					20/1	7	8	20/1	360			R	REC-WEIGHT ROOM-157	
	SPARE					20/1	9	10	20/1		360		R	REC-WEIGHT ROOM-157	
	SPARE					20/1	11	12	20/1			400	G	INFRARED HEATERS - APP BAY	
	SPARE					20/1	13	14	20/2	1,500			E	EUH-4	
	SPARE					20/1	15	16	-		1,500		E	-	
	SPARE					20/1	17	18	20/1			200	L	FAÇADE SOFFIT LIGHTING	
	SPARE					20/1	19	20	20/1	600			R	ROOF VENTILATORS	
	SPARE					20/1	21	22	20/1					SPARE	
	SPARE					20/1	23	24	20/1					SPARE	
	SPARE					20/1	25	26	20/1					SPARE	
	SPARE					20/1	27	28	20/1					SPARE	
	SPARE					20/1	29	30	20/1					SPARE	
	SPARE					20/1	31	32	20/1					SPARE	
	SPARE					20/1	33	34	20/1					SPARE	
	SPARE					20/1	35	36	20/1					SPARE	
	PANEL NP2	G	20,359			225/3	37	38	20/1					SPARE	
	-	G		20,359		-	39	40	20/1					SPARE	
	-	G			20,359	-	41	42	20/1					SPARE	

CONNECTED LOAD (Downstream Loads Included)

TOTAL PHASE "A" VA	29,359
TOTAL PHASE "B" VA	28,719
TOTAL PHASE "C" VA	26,679
TOTAL CONNECTED VA	84,717
TOTAL CONNECTED AMPS	235

NOTES:

LOAD SUMMARY WITH DOWNSTREAM LOADS INCLUDED

CATEGORY	CONNECTED	DEMAND	DESIGN VA	AMPS @ 208Y/120V
LIGHTING	200	125%	250	1
RECEPT	5,040	100%	5040	14
RECEPT	0	50%	0	0
MOTOR	0	100%	0	0
LRGST MTR	0	125%	0	0
MISC/GENERAL	76477	100%	76477	213
KITCHEN	0		0	0
ELEC HEAT	3000	125%	3750	10
USER DEFINED	0		0	0
USER DEFINED	0		0	0
USER DEFINED	0		0	0
TOTAL	**84717**		**85517**	**238**

NP2

208Y/120V
3-PHASE, 4-WIRE + GROUND

BUS: **225 AMPS**
MAINS: **MLO**

PANEL NAME: **NP2**
FED FROM:
MOUNTING:

OPTIONS:

N	DESCRIPTION	ID	VOLT AMPS A	B	C	OCPD SIZE			OCPD SIZE	VOLT AMPS A	B	C	ID	DESCRIPTION	N
	BUILDING FAÇADE LTG	L	392			20/1	1	2	20/1	900			R	REC- 109	
	OFFICE LTG	L		1,543		20/1	3	4	20/1		180		R	REC-PRINTER-111	
	EWH-1	E			2,000	30/2	5	6	20/1			900	R	REC-BATHRM,BREAK-111,112,113,115	
	-	E	2,000			-	7	8	20/1	1,620			R	REC-OFFICE-120,121	
	FCU 1.6, 1.7	M		1,248		20/2	9	10	20/1		1,080		R	REC-OFFICE-101,102,103	
	-	M			1,248	-	11	12	20/1			720	R	REC-BATHROOM,LOBBY-125,126,128	
	FCU 1.1 - 1.5	M	832			20/2	13	14	20/1	1,500			R	REC-MIC-112	
	-	M		832		-	15	16	20/1		180		R	REC- ABOVE CTR-112	
	OAP 1.1	M			3,744	40/2	17	18	20/1			500	R	REC-KITCHEN-112	
	-	M	3,744			-	19	20	20/1	180			R	REC-ABOVE CTR-112	
	EUH-1	E		1,500		20/2	21	22	20/1		900		R	REC-FRIDGE-112	
	-	E			1,500	-	23	24	20/1			500	R	UC FRIDGE MEETING ROOMS	
	EUH-2	E	1,500			20/2	25	26	20/1	360			R	TOOL ROOM RECEPTS	
	-	E		1,500		-	27	28	25/2		1,500		M	EF-1 (APP BAY ROOF)	
	EUH-3	E			1,500	20/2	29	30	-			1,500	M	-	
	-	E	1,500			-	31	32	20/1	1,440			R	REC- OFFICE-110,118	
	REC-OFFICE-107	R		720		20/1	33	34	20/1		300		L	LIGHTING CONTROL PANEL	
	MONUMENT SIGN	L			500	20/1	35	36	20/1			536	L	SOFFIT LIGHTING	
	ROOF VENTILATORS	R	500			20/1	37	38	100/3	5,000			G	DWH-2	
	SPARE					20/1	39	40	-		5,000		G	-	
	SPARE					20/1	41	42	-			5,000	G	-	

CONNECTED LOAD (Downstream Loads Included)

TOTAL PHASE "A" VA	21,468
TOTAL PHASE "B" VA	16,483
TOTAL PHASE "C" VA	20,148
TOTAL CONNECTED VA	58,099
TOTAL CONNECTED AMPS	161

NOTES:

LOAD SUMMARY WITH DOWNSTREAM LOADS INCLUDED

CATEGORY	CONNECTED	DEMAND	DESIGN VA	AMPS @ 208Y/120V
LIGHTING	3271	125%	4089	11
RECEPT	10,000	100%	10000	28
RECEPT	2180	50%	1090	3
MOTOR	14648	100%	14648	41
LRGST MTR	0	125%	0	0
MISC/GENERAL	15000	100%	15000	42
KITCHEN	0		0	0
ELEC HEAT	13000	125%	16250	45
USER DEFINED	0		0	0
USER DEFINED	0		0	0
USER DEFINED	0		0	0
TOTAL	**58099**		**61077**	**170**

MDP

208Y/120V
3-PHASE, 4-WIRE + GROUND

BUS: **800 AMPS**
MAINS: **MLO**

PANEL NAME: **MDP**
FED FROM:
MOUNTING:

OPTIONS:

N	DESCRIPTION	ID	VOLT AMPS A	B	C	OCPD SIZE			OCPD SIZE	VOLT AMPS A	B	C	ID	DESCRIPTION	N
	ATS	G	34,974			400/3	1	2	110/3	8,400			M	ODU-1	
	-	G		34,974		-	3	4	-		8,400		M	-	
	-	G			34,974	-	5	6	-			8,400	M	-	
	PANEL NP	G	28,505			400/3	7	8	100/3					SPARE	
	-	G		28,505		-	9	10	-					-	
	-	G			28,505	-	11	12	-					-	
	ATSL	G				100/3	13	14						SPACE	
	-	G				-	15	16						-	
	-	G				-	17	18						-	
							19	20							
							21	22							
							23	24							

CONNECTED LOAD (Downstream Loads Included)

TOTAL PHASE "A" VA	71,879
TOTAL PHASE "B" VA	71,879
TOTAL PHASE "C" VA	71,879
TOTAL CONNECTED VA	215,637
TOTAL CONNECTED AMPS	599

NOTES:

LOAD SUMMARY WITH DOWNSTREAM LOADS INCLUDED

CATEGORY	CONNECTED	DEMAND	CALCULATED VA	AMPS @ 208Y/120V
LIGHTING	0	125%	0	0
RECEPT	0	100%	0	0
RECEPT	0	50%	0	0
MOTOR	25200	100%	25200	70
LRGST MTR	0	125%	0	0
MISC/GENERAL	190437	100%	190437	529
KITCHEN	0		0	0
ELEC HEAT	0	125%	0	0
USER DEFINED	0		0	0
USER DEFINED	0		0	0
USER DEFINED	0		0	0
TOTAL	**215637**		**215637**	**599**

LUMINAIRE SCHEDULE

TAG	MANUFACTURER	DESCRIPTION	INSTALLATION METHOD	LUMENS	VOLTAGE	WATTS	KELVIN	FEATURES/OPTIONS
A	DAYBRITE	2FPZ-42B-835-4-DS-UNV-DIM	C/R	4500	UNV	30	3000	2X4 FLAT PANEL
B	DAYBRITE	2FPZ-38B-835-2-DS-UNV-DIM	C/R	2734	UNV	30	3000	2X2 FLAT PANEL
C	MULE	MERU-LED-BK-IH	W/S	1600	UNV	32	4000	
D	DAYBRITE	FLP-4-40L-HE-835-R-UNV-DIM	C/S	4000	UNV	28	3000	
EM	CHLORIDE	CLU2-N-W	W/S	-	UNV	5	-	
F1	MCGRAW EDISON	GKO-PB1C-740-U-T4W	W/S	2200	UNV		4000	
G	ALPHABET	NU4-RD-SW-20LM-30K-20D-CL-WH-RET-120	C/R	2000	UNV	24	3000	
G1	ALPHABET	NU4-RD-SW-10LM-30K-20D-DL-WH-RET-120	C/R	1000	120	12	3000	
G2	ALPHABET	NU4-RD-RGBW-10LM-43K-90-30-CL-MC-MC-RET-UNV-CAS	C/R	1000	UNV	12	4000	NOTE 1
H	VISUAL COMFORT	700BCSPAN-2S-LED930	W/S	1500	120V	16	3000	
J	BLACKJACK	SP-PBX-FR-10-BW-30K-12W-SP5	C/P	1200	120V	10	3000	
K	GENERATION LTG	3ERAR52BSD	C/P	800	120	9	3000	INSTALL W/ WALL CONTROLLER
L	HEW	GS-4-L240-9-40-MD-DIM-UNV-120	C/P	24000	UNV	169	4000	
M	LUMARK	NFFLD-S-C15-D-UNV-33-XX-BK-7040	GRADE	5700	120	52	4000	
SL4	MCGRAW EDISON	GALN-SA2B-740-U-T4FT	GRADE				4000	16'-0" SSS POLE
SL5	MCGRAW EDISON	GALN-SA2B-740-U-5MQ	GRADE				4000	16'-0" SSS POLE
X	CHLORIDE	VERW	UNIV	-	120	-	-	3 A.F.F. AC ONLY
F1A	CGF DESIGN	RW-LDG-DF-PGC-24-UNV-1D-BK			120	9		NOTE 2

ABBREVIATIONS:

UNV	UNIVERSAL 120-277V
C/P	CEILING PENDANT
C/R	CEILING RECESSED
C/S	CEILING SURFACE
W/S	WALL SURFACE

ORDERING NOTES:

1 PROVIDE WITH CASAMBI CONTROL (APP BASED).
2 PROVIDE ALTERNATE PRICE FOR LIGHT FIXTURE F1 TO CHANGE TO F1A WITH CASAMBI CONTROL.
3

GENERAL NOTE:

A. MANUFACTURERS LISTED ABOVE ARE THE BASIS OF DESIGN. CONTRACTOR TO REVIEW THOROUGHLY ALL COMPONENTS OF LISTED FIXTURE AND PROVIDE EITHER THE BASIS OF DESIGN OR AN EQUAL MANUFACTURER FOR REVIEW. SUBMITTED EQUAL FIXTURES SHALL OCCUR DURING THE SHOP DRAWING PROCESS AND WILL NOT REQUIRE PRE-APPROVAL. ENGINEER RESERVES FINAL DETERMINATION RIGHTS OF "EQUAL" INTERPRETATION.

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MARCUS ECKSTEIN
NUMBER PE-2019017810
PROFESSIONAL ENGINEER

WCFPD Station 1
Wright City Fire Protection District
60 Bell Road
Wright City, MO 63390

Revisions:

No:	Date:	Description:
1	09-17-2025	ADDENDUM 2

Sheet Info:

ELECTRICAL SCHEDULES

Drawn By:	ENGENUITY, llc
Checked By:	MAE
Commission:	025-2125
Date:	08-19-25

E500

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