OREGON FIRE & RESCUE DEPARTMENT
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July 8, 2021

ADDENDUM No. 2

Oregon Central Fire Station

BIDS TO BE OPENED: Thursday, July 15th, 2021 at 2:00PM

Plan holders of the Oregon Fire Station Project are hereby notified of the following amendments to the Contract Documents. The following additions, alterations, deletions and/or clarifications shall be part of the bid specifications as much as if they were originally included in the Contract Documents. This Addendum No. 2 is hereby made a part of the Contract Documents and must be receipted for on the proposal form.

NOTE: Addenda are emailed only to official plan holders who obtained plans and specifications from the Newfax Corporation, Inc., who is responsible for distribution of said plans and specifications. Each Prime Contractor is responsible for notifying subcontractors of any addenda issued.

CONTRACT CHANGES

1) Replace **PAGE 14** in the Project Bid Book with the attached **REVISED PAGE 14 (Revised 7/8/21 Addendum #2).**
- Revised the number of days for completion of the project from 365 to 410 days following Notice to Proceed.

2) Replace **PAGE GC-3** in the Project Bid Book with the attached **REVISED PAGE GC-3 (Revised 7/8/21 Addendum #2).**
- Updated 13.a.i. to clarify that the City is to be listed as an additional insured on the Contractor's Protective Liability Policy.

3) Specification 06 65 00 Exterior Synthetic Trim
- Remove entire specification section 06 65 00 exterior synthetic trim

4) Specification 07 46 46 Fiber Cement Trim
- Add specification section 07 46 46 Fiber Cement Trim.

5) Specification 07 62 00 Sheet Metal Flashing and Trim
- Under 2.2. Gutters and Downspouts
- Modify subsection "E" to read "Downspout conductors shall be 5" (5"x5") (see roof plan for locations). Securely anchor the 5" conductor to the masonry wall with anchors at 4'-0" o.c.
- Add the following subsection: "Downspout boots shall be Barry Craft 12" high 5"x5" cast iron boots model B25A or approved equal. Boot outlet shall be sized to match the civil drawings.

6) Specification 08 71 00 Door Hardware
- Under 2.5. Hardware Set
- Corbin Russwin Lockset ML2000 is an approved manufacturer as long as they abide by all specifications and project requirements.
- Corbin Russwin Exit Device ED5200 is an approved manufacturer as long as they abide by all specifications and project requirements.

7) Specification 09 51 00 Acoustical Ceilings
- Under 2.5.A.2, metal ceiling panels shall be white.

8) Specification 10 14 00 Interior Signage
- Under 2.1, sign thickness shall be 3mm.
- Under 2.1.A, aluminum and molded plastic frames are acceptable.
- Under 2.2.A see schedule for changes to all restroom and stair signage. All restroom and stair signage are to be 6" W x 9" T to comply with accessibility code. See sheet A1.5 for signage details.

9) Specification 10 56 13 Storage Shelving
- Under 2.1.F, Lyon 8000 Series is an approved equal.

10) Specification 12 30 00 Casework
- Under 2.5, provide decorative panel for face of murphy bed (spec section 12 50 00). Panel shall coordinate with adjacent cabinetry and be installed over blank panel of closed murphy bed.
- Provide butcher block countertop in Tools 145 and SCBA 147 as shown on drawings.

11) Specification 13 34 19 Metal Building
- Under 2.2. Metal Building Performance
    - Modify subsection "J. Thermal Performance" to read the following:
        - Metal Roof Panel Assemblies:
            - R-Value:32
        - Metal Wall Panel Assemblies
            - R-Value:25

12) Specification 23 07 00 HVAC Insulation
- Exposed duct will be limited. Fiberglass board insulation will not be required. Foil faced insulation will be acceptable at furnace SA &RA duct.
- Return air duct above lay in ceiling will not require insulation.
- Return air grille boot will require internal insulation as shown on detail.

13) Specification 22 34 36 Domestic Gas Water Heaters
- PVI and Bock are an approved manufacturer of gas water heater manufactures.

14) Specification 27 41 19 Video Display Equipment
- Under 27 41 19. 1.7.A Should read: Network wiring provided by Division 27 15 13 Contractor.
- Under 27 41 19.1.7.B Should read: A/V Cabling and Switching equipment provided by 27 15 43 Contractor.

15) Specification 28 23 00 Video Surveillance
- Under 2.1.AA Salient CCTV is an approved manufacturer as long as they abide by all Specifications and project requirements.

16) Specification 13 34 19 Metal Building
- Under 2.1 Metal Building Systems
    - Add the following subsection "A.2" – Approved Metal Building Manufacturers
        - Add the following subsection "A.2.a – The following manufacturers of pre-engineered building systems are approved to bid this project. American Building Systems, A and S Building Systems, Butler Building Systems, Ceco Building Systems, Chief Buildings, General Steel Corporation, and Nucor Building Systems
- Under 2.4 Metal Roof Panels
    - Modify Subsection "A.1.b" to read "Color: DMI Colonial Red (Or approved equal from manufacturers standard colors)"

17) Sheet TS1
- See attached revised TS1 drawing for added Sheet LS4

18) Sheet LS2
- UL Detail No. HW-D-0529 – Clarification of construction: Construction of system must conform to requirements of UL System. Means and Methods of construction are contractors' responsibility.

19) Sheet LS4
- See attached new sheet LS4 for additional top of wall UL details for different purlin conditions.

20) Sheet C-107
- See attached revised C-107 drawing for revised page reference.

21) Sheet C-111
- See attached revised C-111 drawing for additional notes.

22) Sheet A1.1 & A8.4
- See attached revised drawings A1.1 & A8.4 for modified pergola size (Alt. 10) to account for canopy above adjacent window.

23) Sheet A1.1 & A1.2
- See attached revised drawings A1.1 & A1.2 for modified Wall Type Legend and adjusted wall type tags on exterior walls.

24) Sheet A1.2
- See attached revised sheet A1.2 for added note below wall type legend specifying location of high impact drywall
- See attached revised Sheet A1.2 for revised Wall Type 6 to include 3 5/8" or 6" metal studs based on location. Refer to floor plan for location and wall thickness.

25) Sheet A1.3
- See attached revised Sheet A1.3 for removal of Tag 112 from plan

26) Sheet A1.5
- Grab bars are not provided or required in Shower 127 and Shower 128 at the toilets.

27) Sheet A2.1
- See revised sheet A2.1 for added ceiling in Chief 110 closet.
- Tool 145 is open to metal liner panel above (at bottom of P.E.M.B system, see sections).
- See attached revised sheet A2.1 for new detail (D2.1/A2.1) for face of metal joist detail at UL NO. L524 Assembly
- See attached Revised sheet A2.1 for revised detail tags for A2.1, B2.1, and C2.1. Tags have been revised to reflect correct tag number.

28) Sheet A2.2
- See attached revised Sheet A2.2 for revised ceiling Legend. Legend has been updated to provide more information on sound batt insulation above ACT.

29) Sheet A3.1
- See attached revised Sheet A3.1 for revised roof plan now including the (6) canopies.
- See attached revised Sheet A3.1 for additional typical downspout boot detail.

30) Sheet A6.1
- See attached revised sheet A6.1 for revised note calling out station number signage. Note has been corrected to match specifications
- See attached revised sheet A6.1 for revised elevations with notes calling out construction of sides of (6) canopies.

31) Sheet A7.1
- See attached revised drawing A7.1 for modified notation for stainless steel checker plate.

32) Sheet A7.3
- Please refer to Sheet A1.3 for schedule item #53 that are the wall hung devices shown in Storage 150 in Building Section A1.1/A7.3.

33) Sheet A8.1, A8.2, A8.3
- See revised attached sheets A8.1, A8.2, & A8.3 for revised notes clarifying P.E.M.B. batt insulation R-Values.
- See attached revised sheets A8.1 & A8.2 for wall section revisions.

34) Sheet A8.5
- Please refer to sheet A8.5 for revised digital sign details.

35) Sheets A8.5 & A8.10
- See attached revised sheet A8.5 for removal of all locations of architectural precast concrete banding, caps, sills, etc. All precast concrete banding, caps, sills, etc. have been changed to Limestone. All locations previously called out as limestone will remain limestone.

36) Sheets A9.3
- On Casework Legend, the dimensions of "S2" shall be 48"W x 24"D x 84"H in lieu of the 60" width noted and shown on drawings.

37) Sheets A9.4
- See attached revised sheet A9.4 for additional notation within 1/A9.4; all countertops within Dayroom #116 / Kitchen #117 shall be included within alternates #6 & #7.

38) Sheets A10.1
- See attached revised sheet A10.1 for revisions to the door schedule.

39) Sheet S1.1
- See attached revised sheet S1.1 for modified pergola foundation locations (Alt. 10) to account for canopy above adjacent window.

40) Sheet S5.0
- See attached revised sheet S5.0 for clarification on who is providing steel headers and jambs at the overhead doors on the east side of the apparatus bay.

41) Drawings M1.1 & M2.0
- 2.0 ton mini split AC added to Fitness Room 152. See drawings M1.1 & M2.0 for additional information.

42) Drawing E0.1

- Under Light Fixture Schedule, see additional approved manufacturers as long as they abide by all specifications, project requirements and contractor to verify all light fixtures and lighting controls are fully compatible prior to ordering:

Type	Manufacturer-Part
6	PRESCOLITE-LC6SL 6LCSL10L40K8WT
A	LUMENCIA-LLFL5524D-B-40K-DIM010V
B	COLUMBIA-CFP22-40/33/2840
C	COLUMBIA-LXEM4-40ML-RFA-EDU
D	COLUMBIA-LJT24-40LWG-FSA12-ED1U
F	COLUMBIA-RLW4-40LW-FAW-EDU
G	COLUMBIA-CUC2-CS-ED120
H	COLUMBIA-CLB2-40MV-W-EDU
J	ELITE-CB2-LED-18000L-DIM10-MVOLT-WD-40K-85
M	COLM-MPS4-40LW-CW-ED1U
P4	HUBBELL-ASL2-320L-185-5K7-3-UNV-ASQU-DBT RTAH20-60B-1-B3-BLT-VM2
R	PRESCOLITE-LTR-6RD-H-SL10L-DM1 LTR-6RD-T-SL40K8MD-SWT
X	COMP-CER

43) Drawing E2.1 & E4.2

- See attached revised drawings E2.1 and E4.2 for additional mini split system power.

44) Drawing E2.2, T0.1 & T1.1

- See drawings E2.2, T0.1, & T1.1 for location of fire alarm devices.

45) Drawing E4.1

- See attached revised drawing E4.1 for fault calculations added to single line diagram.

46) ATTACHMENTS:

- New specification 07 46 46 Fiber Cement Trim
- Revised Drawing TS1
- New Drawing LS4
- Revised Drawing C-107
- Revised Drawing C-111
- Revised Drawing A1.1
- Revised Drawing A1.2
- Revised Drawing A1.3
- Revised Drawing A2.1
- Revised Drawing A2.2
- Revised Drawing A3.1
- Revised Drawing A6.1
- Revised Drawing A7.1
- Revised Drawing A8.1
- Revised Drawing A8.2
- Revised Drawing A8.3
- Revised Drawing A8.4
- Revised Drawing A8.5
- Revised Drawing A8.10
- Revised Drawing A9.4
- Revised Drawing A10.1
- Revised Drawing S1.1

ADDENDUM No. 2

Oregon Fire Station

- Revised Drawing S5.0
- Revised Drawing M1.1
- Revised Drawing M2.0
- Revised Drawing E2.1
- Revised Drawing E4.1
- Revised Drawing E4.2

ANSWERS TO SUBMITTED QUESTIONS:

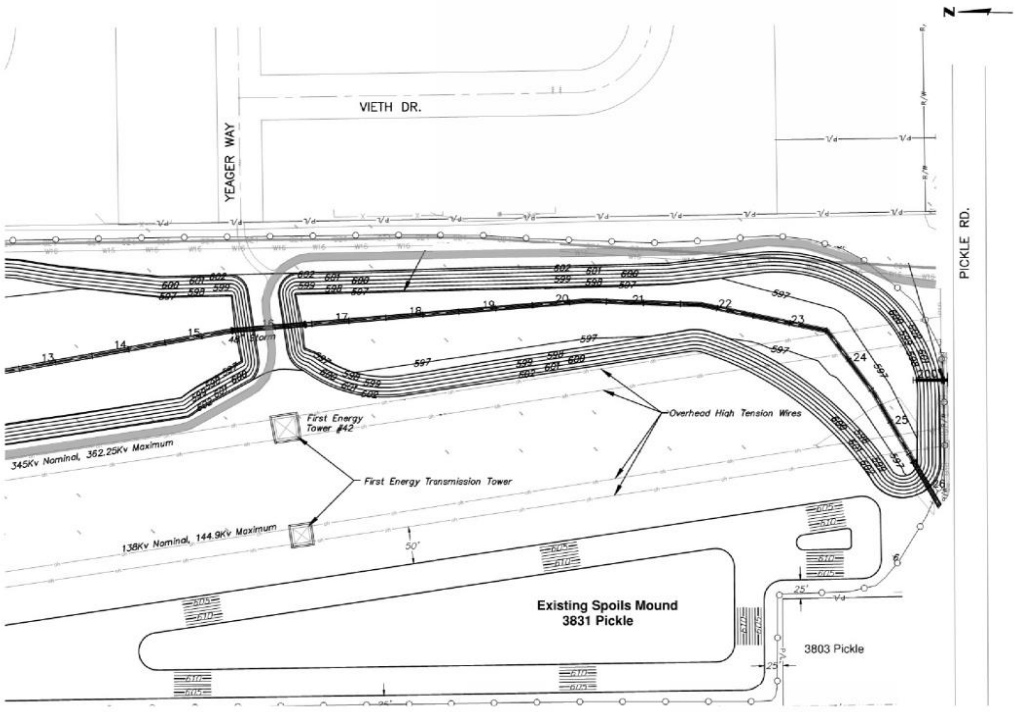
1. ***Bidder Question:*** *Please clarify who is responsible for testing - section 014500 says by contractor and general terms & conditions in volume 1, item 8 says by owner.*

   Architect/Engineer Response: The City shall hire an independent testing agency for special field inspection tests made at the project site. Any additional tests or retesting required due to any samples and/or tests producing unacceptable results shall be the responsibility of the contractor.

2. ***Bidder Question:*** *If additional fill material is needed under the building and/or paved areas beyond what is scheduled to be excavated to meet site grading, is there a source for this material?*

   Architect/Engineer Response: If additional fill material is needed to build up the site, the City would be willing to look at increasing the size of the pond and/or swales to provide additional suitable fill material from the site.

   In addition, the City does have an existing stockpile of excavated spoils material mounded at 3831 Pickle Road, which is approximately 1.75 miles from the site that could be used as well. If the contractor decides to use any of this material, they will need to strip and stockpile the existing 4 inches of topsoil from the top of the mound prior to excavating the spoils material. Following completion of the excavation work from the stockpile, all disturbed areas are to be reshaped and regraded, topsoil replaced, prepared, fertilized, seeded, and mulched with ODOT Class 1 seed mix per ODOT Item 659.



*** * * END OF ADDENDUM NO. 2 * * ***

ALTERNATE 8 - Apparatus Bay Air Purifiers

If Alternate is accepted: **Add to** / **Deduct from** Base Bid (Circle appropriate choice)

Total ALTERNATE 8 Lump Sum Bid Price In Figures**:**	**$**

ALTERNATE 9 - Integral Blinds in Windows

If Alternate is accepted: **Add to** / **Deduct from** Base Bid (Circle appropriate choice)

Total ALTERNATE 9 Lump Sum Bid Price In Figures**:**	**$**

ALTERNATE 10 - Pergola

If Alternate is accepted: **Add to** / **Deduct from** Base Bid (Circle appropriate choice)

Total ALTERNATE 10 Lump Sum Bid Price In Figures**:**	**$**

ALTERNATE 11 - Concrete Paving

If Alternate is accepted: **Add to** / **Deduct from** Base Bid (Circle appropriate choice)

Total ALTERNATE 11 Lump Sum Bid Price In Figures**:**	**$**

ALTERNATE 12 - Diesel Generator

If Alternate is accepted: **Add to** / **Deduct from** Base Bid (Circle appropriate choice)

Total ALTERNATE 12 Lump Sum Bid Price In Figures**:**	**$**

Any alteration or erasure of items inserted on the Bid Form shall be initialed by the Bidder.

II. Time of Completion. The undersigned agrees to complete the work covered by the contract **410 days** following the Notice to Proceed.

III. Accompanying this Bid is a Certified Check or Bid Bond in the amount of

_____Dollars ($_____) ,

payable to the City of Oregon, Ohio, which it is agreed, shall be retained as liquidated damages to the City of Oregon, Ohio, if the undersigned fails to execute the Contract in conformity with the Form of Contract incorporated in the Contract Documents and furnish performance bond as specified within ten (10) days after notification of the award of the Contract to the undersigned.

7. STAKING - The Contractor shall establish and be responsible for all line and grade. The Owner and his representative shall at all times have access to the work and the Contractor shall provide proper facilities for such access and inspection.

8. MATERIALS, TOOLS, TESTING - The Contractor shall furnish all the necessary materials, apparatus, tools and labor. Materials and apparatus shall be new and the best of their respective kinds, and shall be subject to such standard tests as the Owner may select in determining the fitness and durability of the materials and apparatus to be furnished. Except as otherwise indicated, inspection and testing of materials shall be provided by the Owner. The tools shall be suitable for the purpose intended; and all labor shall be performed in an expeditious, thorough and workmanlike manner; all in accordance with these Specifications, and the direction of the City and subject to the approval of the Owner.

9. DEFECTIVE MATERIALS - Should any of the materials, when delivered upon the locations of the work, be found defective or not in accordance with these specifications, they shall be immediately removed by the Contractor, otherwise the Owner may cause the same to be removed at the Contractor's expense.

10. MATERIAL STORAGE - All materials, delivered or found upon the location of the improvement, shall be snugly piled up so as not to impede travel upon walks or driveways, interfere with the operations of any other contractor or prevent the use of any fire hydrant more than is actually necessary to the proper performance of this Contract.

11. MATERIALS, SERVICES AND FACILITIES - EXTRA HOURS -

    a. It is understood that, except as otherwise specifically stated in the Contract Documents, the Contractor shall provide and pay for all materials, labor, tools, equipment, water, light, power, transportation, superintendence, temporary construction of every nature and all other services and facilities of every nature whatsoever necessary to execute, complete and deliver the work within the time stipulated in the Contract.

    b. Any work necessary to be performed after regular working hours, on Sundays or legal holidays shall be performed without additional expense to the Owner.

12. "OR EQUAL" CLAUSE - Whenever in any of the Contract Documents an article, material or equipment is defined by describing a proprietary product or by using the name of a manufacturer or vendor, the term "or equal" if not inserted, shall be implied. The specified article, material or equipment mentioned shall be understood as indicating the type, function, minimum standard or design, efficiency and quality desired and shall not be construed in such a manner as to exclude manufacturer's products of comparable quality, design and efficiency. The Contractor shall comply with the requirements of the Contract Documents relative to the Owner's approval of materials and equipment before they are incorporated in the Project.

13. BODILY INJURY AND PROPERTY DAMAGE INSURANCE

    a. The Contractor shall provide insurance for the following coverages:

        i. Comprehensive Public Liability and Property Damage, Contractor's Protective Liability ***with the Owner listed as additional insured***, Contractual Liability, Completed Operations - Products, Automobile Bodily Injury and Property Damage Liability, including owned, non-owned and hired vehicles~~, and (2) Owners Protective Liability, with the Owner as "Named Insured"~~.

    b. The following coverages, if excluded from the Contractor's standard coverages, shall have the exclusions deleted for policies provided under this Contract:

1. PART 1 – GENERAL

1.1 SECTION INCLUDES

A. Fiber Cement Lap Siding.

1.2 RELATED WORK

A. Rough Carpentry - Section 06 20 00
B. Thermal Insulation – Section 07 21 00
C. Joint Sealants – By trim manufacturer

1.3 SUMMARY

A. Provide Fiber Cement trim pieces as shown on the drawings and as indicated in these specifications.

B. Trim shall be prefinished with ColorPlus Technology. Painting on site will only be accepted for cut edges.

1.4 SUBMITTALS

A. Product Data: Submit product literature, samples and installation instructions for specified insulation.

B. Submit manufacturers literature on products

1.5 DELIVERY, STORAGE AND PROTECTION

A. Protect fiber Lab Siding from physical damage. Comply with manufacturer's recommendations for handling, storage and protection during installation.

B. Label fiber cement lap siding packages to include material name, production date and/or product code.

2. PART 2 – PRODUCTS

2.1 MANUFACTURER

A. JamesHardie or approved equal.

2.2 LOCATION

A. For trim on sides of canopies and as indicated on drawings for exterior trim
   1) 4/4NT3 Smooth, widths as indicated on drawings.

2) Hardie vertical siding panels – Smooth, .312" thickness, length and widths as required to cover the sides of the canopies.

B. For crown molding on tower (detail F3.1/A3.2 on sheet A3.2) and elevations.
1) Hardie crown moulding .75" thick, width 5.25", length 12'

2.3 COLOR

A. Color shall be cobble stone, prefinished ColorPlus Technology.

3. PART 3 - EXECUTION

3.1 STORAGE AND HANDLING

A. Store flat and keep dry and covered prior to installation.

B. Installing trim wet or saturated may result in shrinkage at butt joints.

C. Carry planks on edge.

D. Protect edges and corners from breakage.

E. James Hardie is not responsible for damage caused by improper storage and handling of the product.

3.2 GENERAL REQUIREMENTS

A. Hardie trim can be installed over braced wood or steel studs spaced a maximum of 24" o.c. or directly to minimum 7/16" thick OSB sheathing. See General Fastening Requirements. Irregularities in framing and sheathing can mirror through the finished application.

B. Information on installing James Hardie products over foam can be located in JH Tech Bulletin 19 at www.jamehardie.com.

C. A water-resistive barrier is required in accordance with local building code requirements. The water-resistive barrier must be appropriately installed with penetration and junction flashing in accordance with local building code requirements. James Hardie will assume no responsibility for water infiltration. James Hardie does manufacture HardieWrap® Weather Barrier, a non-woven non-perforated housewrap, which complies with building code requirements.

D. When installing James Hardie products all clearance details listed below must be followed:

1) Roof to wall: Min. 2"

2) Horizontal Flashing: Min. ¼" Do not caulk

3) Kickout Flashing

4) As required by IRC code min. 4” x 4”

5) Slabs, Path, Steps to Siding: Min. 2”

6) Deck to Wall: Min. 2”

7) Grounding to Siding: 6”

8) Gutter to Siding: 1”

9) Sheltered Areas: Min. ¼” or Min. ½”

10) Mortar/Masonry: Min. ¼”

11) Drip Edge

12) Block Penetration: Min: ¼” Do not caulk

13) Valley/Shingle Extension: Extend shingles at least 1” out from the fascia when gutters are present

E. Adjacent finished grade must slope away from the building in accordance with local building codes – typically a minimum of 6” in the first 10’.

F. Do not install James Hardie products, such that they may remain in contact with standing water.

G. DO NOT use stain, oil/alkyd base paint, or powder coating on James Hardie® Products. All products shall come prefinished with ColorPlus Technology.

H. For larger projects, including commercial and multi-family projects, where the span of the wall is significant in length, the contractor should take into consideration the coefficient of thermal expansion and moisture movement of the product in their design. These values can be found in the Technical Bulletin “Expansion Characteristics of James Hardie® Siding Products: at www.jameshardie.com.

3.3 INSTALLATION

A. Joint treatment

1) Joint Flashing. Joint flashing shall be a minimum of 6” wide and at least the height of the product in length. Flashing shall be metal and color matched to the adjacent Hardie trim.

2) Caulk only at locations recommended by the manufacturer.

3.4 FASTENER REQUIREMENTS

A. Blind Nailing is the preferred method of installation for Hardie trim products. Face nailing can be done in areas that require it where required by code for high wind areas. Pin-backed corners may be done for aesthetic purposes only. Pin-backs shall be done with finish nails only and are not a substitute for blind or face nailing.

1) Blind Nailing

a) Nails – Wood Framing

[1] Siding nail (0.09” shank x 0.221” HD x 2” long)

[2] 11 ga. Roofing nail (0.121” shank x 0.371” HD x 1.25” long)

b) Screws – Steel Framing

[1] Ribbed Wafer-head or equivalent (No. 8 x 1 ¼” long x 0.375” HD) Screws must penetrate 3 threads into metal framing.

c) Nails – Steel Framing

[1] ET & F Panelfast ® nails or equivalent (0.10” shank x 0.313” HD x 1 ½” long) Nails must penetrate minimum ¼” into metal framing.

d) OSB Minimum 7/16”

[1] 11 ga. Roofing nail (0.121” shank x 0.371 “ HD x 1.75” long)

[2] Ribbed Wafer-head or equivalent (No. 8 x 1 5/8” long x 0.375” HD)

2) Face Nailing

a) Nails – Wood Framing

[1] 6d (0.113” shank x 0.267” HD x 2” long)

[2] Siding nail (0.09” shank x 0.221” HD x 2” long)

b) Screws – Steel Framing

[1] Ribbed Bugle-head or equivalent (No. 8-18 x 1-5/8” long x 0.323” HD) Screws must penetrate 3 threads into metal framing.

c) Nails – Steel Framing

[1] ET & F pin or equivalent (0.10” shank x 0.25” HD x 1-1/2” long) Nails must penetrate minimum ¼” into metal framing.

d) OSB minimum 7/16”

[1] Siding nail (0.09” shank x 0.221” HD x 1-1/2” long)

B. General Fastening Requirements

1) Fasteners must be corrosion resistant, galvanized, or stainless steel. Electro-galvanized are acceptable but may exhibit premature corrosion. James Hardie recommends the use of quality, hot-dipped galvanized nails. James Hardie is not responsible for the corrosion resistance of fasteners. Stainless steel fasteners are recommended when installing James Hardie® products near the ocean, large bodies of water, or in very humid climates.

2) Manufacturers of ACQ and CA preservative-treated wood recommend spacer materials or other physical barriers to prevent direct contact of ACQ or CA preservative-treated wood and aluminum products. Fasteners used to attach HardieTrim Tabs to preservative-treated wood shall be of hot dipped zinc-coated galvanized steel or stainless steel and in accordance to 2009 IRC R317.3 or 2009 IBC 2304.9.5.

a) Consult applicable product evaluation or listing for correct fasteners type and placement to achieve specified design wind loads.

b) NOTE: Published wind loads may not be applicable to all areas where Local Building Codes have specific jurisdiction. Consult James Hardie Technical Services if you are unsure of applicable compliance documentation.

c) Drive fasteners perpendicular to siding and framing.

d) Fastener heads should fit snug against siding (no air space).

e) Do not over-drive nail heads or drive nails at an angle.

f) If nail is countersunk, fill nail hole and add a nail.

g) For wood framing, under driven nails should be hit flush to the plank with a hammer (for steel framing, remove and replace nail).

h) NOTE: Whenever a structural member is present, HardiePlank should be fastened with even spacing to the structural member. The tables allowing direct to OSB or plywood should only be used when traditional framing is not available.

i) Do not use aluminum fasteners, staples, or slipped head nails.

C. Pneumatic Fastening

1) James Hardie products can be hand nailed or fastened with a pneumatic tool. Pneumatic fastening is highly recommended. Set air pressure so that the fastener is driven snug with the surface of the siding. A flush mount attachment on the pneumatic tool is recommended. This will help control the

depth the nail is driven. If setting the nail depth proves difficult, choose a setting that under drives the nail. (Drive under driven nails snug with a smooth faced hammer. Does not apply for installation to steel framing).

3.5 MISCELLANEOUS

A. Painting

1) DO NOT paint exposed faces. Product is prefinished.

B. ColorPlus® Technology Caulking, Touch-Up & Laminate

1) Care should be taken when handling and cutting James Hardie® ColorPlus® products. During installation use a wet soft cloth or soft brush to gently wipe off any residue or construction dust left on the product, then rinse with a garden hose.

2) Touch up nicks, scrapes and nail heads using the ColorPlus® Technology touch-up applicator. Touch-up should be used sparingly. If large areas require touch-up, replace the damaged area with new HardiePlank® lap siding with ColorPlus® Technology.

3) Laminate sheet must be removed immediately after installation of each course.

4) Terminate non-factory cut edges into trim where possible, and caulk. Use only color matched caulks from your ColorPlus® product dealer.

5) Treat all other non-factory cut edges using the ColorPlus Technology edge coaters, available from your ColorPlus product dealer. Plan trim work to minimized field painted cut edges.

C. Painting James Hardie® Siding and Trim Products with ColorPlus® Technology

1) When painting non factory cut edges use only ColorPlus products. James Hardie recommends the following regarding surface preparation and topcoat application:

a) Ensure the surface is clean, dry, and free of any dust, dirt, or mildew.

b) Repriming is normally not necessary.

c) 100% acrylic topcoats are recommended.

d) DO NOT use stain, oil/alkyd base paint, or powder coating on James Hardie® Products.

e) Apply finish coat in accordance with paint manufacturers written instructions regarding coverage, application methods, and application temperature.

f) DO NOT caulk nail heads when using ColorPlus products, refer to the ColorPlus touch-up section.

D. Additional Handling Requirements

1) To prevent damage to the drip edge, extra care should be taken when removing planks from the pallet, while handling, and when installing with a lap gauge. Plans are interlocked together on the pallet, therefore they should be removed from the pallet horizontally (side to side) to allow planks to unlock themselves from one another.

◆ END OF SECTION ◆

ABBREVIATIONS

ACOUST.	ACOUSTIC
ADJ.	ADJACENT
A.F.F.	ABOVE FINISH FLOOR
ALT.	ALTERNATE
ALUM.	ALUMINUM
ARCH.	ARCHITECTURAL
A.V.S.	ACID VENT STACK
B/BRG	BEAM BEARING
BRG	BEARING
B/FTG	BOTTOM OF FOOTING
BOT.	BOTTOM
C.B.	CATCH BASIN
C.L.	CENTER LINE
CLG.	CEILING
COMP.	COMPACTED
CMU	CONCRETE MASONRY UNIT
CONC.	CONCRETE
CONT.	CONTINUOUS
COORD.	COORDINATE
CW.	COLD WATER
D.F.	DRINKING FOUNTAIN
DIA.	DIAMETER
DISP	DISPENSER
DN.	DOWN
D.S	DOWNSPOUT
DWG.	DRAWING
EA.	EACH
E.C.	ELECTRICAL CONTRACTOR
E.J.	EXPANSION JOINT
E/S	EACH SIDE
ELEC.	ELECTRIC
ELEM.	ELEMENTARY
ELEV. (EL.)	ELEVATION
EQ.	EQUAL
EXP.	EXPANSION
EXT.	EXISTING
F.D.	FLOOR DRAIN
F.E.	FIRE EXTINGUISHER
F/FLR	FINISH FLOOR
FIN.	FINISH
FL.	FLOOR
FND.	FOUNDATION
F.R.	FIRE RATED
FT.	FEET
GA.	GAUGE
GAL./GALV.	GALVANIZED
G.C.	GENERAL CONTRACTOR
H.C.	HANDICAP
H.R.	HOUR
HORIZ.	HORIZONTAL
H.M.	HOLLOW METAL
HW.	HOT WATER
IN/IN	INSIDE TO INSIDE
INSUL.	INSULATION
INV.	INVERT
I.R.	IMPACT RESISTANT
MANUF.	MANUFACTURED
MAX.	MAXIMUM
M.C.	MECHANICAL CONTRACTOR
MIN.	MINIMUM
M.O.	MASONARY OPENING
MTL.	METAL
N.I.C	NOT IN CONTRACT
N.T.S.	NOT TO SCALE
O.C.	ON CENTER
O.D.	OUTER DIAMETER
O/O	OUTSIDE TO OUTSIDE
OPP.	OPPOSITE HAND
P.C.	PLUMBING CONTRACTOR
PL. (PLT)	PLATE
POLY.	POLYISOCYANURATE
PREFAB.	PREFABRICATED
RAD.	RADIUS
REINF.	REINFORCED
REQD.	REQUIRED
RM.	ROOM
SHT.	SHEET
SIM.	SIMILAR
SL. (SLP.)	SLOPE
SQ.	SQUARE
STL.	STEEL
STP. FTG.	STEP FOOTING
STRUCT.	STRUCTURE
T&B	TOP AND BOTTOM
TEMP.	TEMPERED
T/FTG.	TOP OF FOOTING
THK.	THICK
T/ST.	TOP OF STEEL
TYP.	TYPICAL
U.N.O.	UNLESS NOTED OTHERWISE
V.S.	VENT STACK
WD.	WOOD
W.W.F.	WELDED WIRE FABRIC
W/	WITH
W/O	WITHOUT

ALTERNATES

1) SITE IRRIGATION
2) SITE MEMORIAL
3) DIGITAL SIGNAGE
4) EPOXY FLOORING IN APPARATUS BAY
5) RIVER ROCK
6) STAINLESS STEEL COUNTERTOP IN KITCHEN 117
7) QUARTZ COUNTERTOP IN KITCHEN 117
8) APPARATUS BAY AIR PURIFIERS
9) INTEGRAL BLINDS IN WINDOWS
10) PERGOLA
11) CONCRETE PAVING
12) DIESEL GENERATOR

CONSTRUCTION DOCUMENTS

NEW CENTRAL FIRE STATION
FOR
OREGON FIRE DEPARTMENT
1040 S. WYNN ROAD

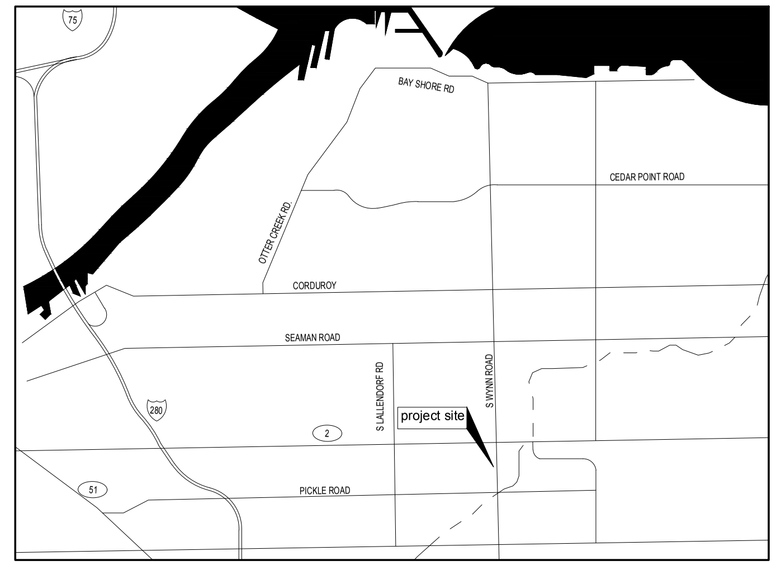
OREGON, OHIO



VICINITY MAP

NORTH

SCALE: N.T.S.



LOCATION MAP

NORTH

SCALE: N.T.S.

GENERAL NOTES

1. ALL CONTRACTORS TO VERIFY ALL DIMENSIONS AND CONDITIONS AT THE JOB SITE BEFORE WORK IS STARTED. INFORMATION ON THESE DRAWINGS ARE SHOWN FOR THE CONVENIENCE OF THE CONTRACTORS FOR BIDDING. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROPER NOTIFICATION OF ALL DISCREPANCIES. NOTIFY ARCHITECT OF ANY DISCREPANCIES.
2. ALL DIMENSIONS ARE FROM FACE OF DRYWALL WALL UNLESS NOTED OTHERWISE.
3. PROVIDE ANY EXTRA MISC. STRUCTURE AND FASTENERS NEEDED TO SUPPORT ALL FIXTURES, EQUIPMENT, WALL AND CEILING PANELS, ETC..
4. CAULK THE TOP OF ALL FLOOR SLAB ISOLATION, EXPANSION, OR CONSTRUCTION JOINTS.
5. DO NOT DISASSEMBLE THIS SET. COVER SHEET IS A MASTER INDEX, SYMBOLS AND OTHER ITEMS MAY BE INCLUDED ON ADDITIONAL SHEETS.
6. GENERAL CONTRACTOR TO PROVIDE DUMPSTER AND DISPOSE OF ALL WASTE ASSOCIATED WITH THIS PROJECT UNLESS NOTED OTHERWISE ON THESE DRAWINGS.
7. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH STANDARDS OF BEST PRACTICE BY WORKERS SKILLED IN THEIR RESPECTIVE TRADES.
8. THESE DRAWINGS INDICATE THE GENERAL SCOPE OF THE PROJECT IN TERMS OF ARCHITECTURAL DESIGN CONCEPT, DIMENSIONS OF THE BUILDING, THE MAJOR ARCHITECTURAL ELEMENTS AND THE TYPE OF STRUCTURAL, MECHANICAL, ELECTRICAL SYSTEMS. THE CONTRACTOR SHALL FURNISH ALL ITEMS REQUIRED FOR THE PROPER EXECUTION AND COMPLETION OF THE WORK.
9. PROVIDE DRYWALL CONTROL JOINTS AT A MAXIMUM SPACING OF 30'-0" IN ANY DIRECTION, AND AT ALL JAMB STUDS AT ALL OPENINGS (TYP.)
10. QUANTITIES ON THESE DRAWINGS ARE SHOWN FOR REFERENCE PURPOSES ONLY. CONTRACTOR TO FIELD VERIFY ALL QUANTITIES AND DIMENSIONS. ANY DISCREPANCIES ARE TO BE REPORTED TO THE ARCHITECT.
11. COORDINATE PLUMBING ROUGH-INS, SINK SIZES & LOCATION OF SINKS W/ CABINET INSTALLER.
12. COORD. W/ MECHANICAL SUBCONTRACTOR AND PROVIDE ALL MECH. OPENINGS IN STUD WALLS (W/ STRUCT. HEADERS AS REQUIRED), JOISTS, MASONRY WALLS, ETC.
13. ALL MECH. GRILLS ARE TO BE PAINTED.
14. ALL DRYWALL SOFFITS & BULKHEADS ARE TO BE PAINTED.
15. CONTRACTOR TO SEAL ALL UTILITY PENETRATIONS THROUGH WALLS.
16. NO EXPOSED SURFACE MOUNTED CONDUIT, RACEWAYS, ETC. ARE TO BE UTILIZED ON THIS PROJECT. ALL RUNS SHALL BE CONCEALED WITHIN WALL.
17. DO NOT SCALE OFF DRAWINGS FOR MATERIAL TAKE OFFS, ETC. USE ONLY DIMENSIONS SHOWN.
18. ALL NOTES ON ARCHITECTURAL DRAWINGS REFER TO NEW CONSTRUCTION OR MATERIALS. EXISTING MATERIALS AND CONSTRUCTION ARE SPECIFICALLY CALLED OUT AS EXISTING.
19. PROVIDE ALL 2x F.T. BLOCKING IN WALLS FOR ALL ITEMS SUCH AS BUT NOT LIMITED TO TECH CABINETS, PLYWOOD, ETC. G.C. TO COORDINATE LOCATION OF BLOCKING W/ OWNER.
20. ALL NEW WALLS ARE TO BE SECURELY BRACED TO STRUCTURE ABOVE FOR SUPPORT.
21. DOOR AND WINDOW OPENINGS SHOWN ARE SIZES OF DOORS AND WINDOWS. CONTRACTOR IS TO DETERMINE SIZE OF REQUIRED ROUGH OPENING. VERIFY ROUGH OPENING WITH MANUFACTURE.
22. PROVIDE ALL OPENINGS INCLUDING REQUIRED STRUCTURAL LINTELS IN ALL WALLS AS REQUIRED TO FACILITATE UTILITIES INCLUDING BUT NOT LIMITED TO DUCTWORK, CONDUIT, WIRE TRAYS, ETC. COORDINATE WITH ALL TRADES AS REQUIRED.
23. SLOPE ALL EXTERIOR CONCRETE AWAY FROM THE BUILDING A MAXIMUM OF ¼" PER 12".
24. TAPE ALL SEAMS AND PENETRATIONS IN VAPOR BARRIER AND AIR BARRIER.
25. ALL EXTERIOR CONCRETE STOOPS SHALL CONFORM TO ADA REQUIREMENTS.

REVISION KEY

SYMBOL	DATE	DESCRIPTION
1	2021-06-30	ADDENDUM #1
2	2021-07-07	ADDENDUM #2

LIST OF DRAWINGS

TS1 - TITLE SHEET
TS2 - RENDERINGS

LS1 - LIFE SAFETY AND CODE INFORMATION
LS2 - UL DETAILS
LS3 - UL DETAILS
LS4 - UL DETAILS 2

C-100 - CIVIL TITLE SHEET
C-101 - GENERAL NOTES
C-102 - GENERAL NOTES
C-103 - DETAILS AND TYPICAL SECTIONS
C-104 - DETAILS AND TYPICAL SECTIONS
C-105 - LEGAL DESCRIPTION
C-106 - EXISTING CONDITIONS
C-107 - SITE PLAN
C-108 - UTILITY PLAN
C-109 - GRADING PLAN
C-110 - LANDSCAPE PLAN
C-111 - LANDSCAPE DETAILS
C-112 - IRRIGATION PLAN
C-113 - SWPPP PLAN
C-114 - SWPPP PLAN
C-115 - SWPPP PLAN

A1.1 - GROUND FLOOR PLAN
A1.2 - MEZZANINE PLAN
A1.3 - GROUND FLOOR EQUIPMENT PLAN
A1.5 - ENLARGED RESTROOM PLANS
A2.1 - GROUND FLOOR REFLECTED CEILING PLAN
A2.2 - MEZZANINE REFLECTED CEILING PLAN
A3.1 - ROOF PLAN
A3.2 - ROOF DETAILS
A4.1 - ROOM FINISH SCHEDULE
A6.1 - BUILDING ELEVATIONS
A7.1 - BUILDING SECTIONS
A7.2 - BUILDING SECTIONS
A7.3 - BUILDING SECTIONS
A7.4 - STAIR DETAILS
A8.1 - WALL SECTIONS
A8.2 - WALL SECTIONS
A8.3 - WALL SECTIONS
A8.4 - DETAILS
A8.5 - DETAILS
A8.6 - DETAILS
A8.7 - DETAILS
A8.8 - DETAILS
A8.9 - DETAILS
A8.10 - DETAILS
A9.1 - LEVEL 1 INTERIOR FLOOR PLAN
A9.2 - RESTROOM ELEVATIONS
A9.3 - INTERIOR ELEVATIONS
A9.4 - INTERIOR ELEVATIONS
A10.1 - DOOR SCHEDULE
A10.2 - DOOR DETAILS
A10.3 - WINDOW ELEVATIONS AND DETAILS

S1.0 - STRUCTURAL GENERAL NOTES
S1.1 - FOUNDATION PLAN
S2.0 - FOUNDATION SECTIONS AND DETAILS
S3.0 - SECOND FLOOR FRAMING PLAN
S3.1 - ROOF FRAMING PLAN
S4.0 - STRUCTURAL DETAILS AND SECTIONS
S5.0 - MEZZANINE SECTIONS AND DETAILS
S6.0 - LINTEL SCHEDULES AND DETAILS

M1.1 - FIRST FLOOR HVAC PLAN
M1.2 - SECOND FLOOR HVAC PLAN
M1.3 - DETAILS
M2.0 - HVAC NOTES AND DETAILS

P1.1 - FIRST FLOOR PLUMBING PLAN
P1.2 - SECOND FLOOR PLUMBING PLAN
P2.0 - ISOMETRICS

FP1.1 - FIRST FLOOR FIRE PROTECTION PLAN
FP1.2 - SECOND FLOOR FIRE PROTECTION PLAN

ESP1.1 - ELECTRICAL SITE PLAN
ESP1.2 - PHOTOMETRIC SITE PLAN

E0.1 - SCHEDULES
E0.2 - SCHEDULES AND DETAILS
E1.1 - FIRST FLOOR LIGHTING PLAN
E1.2 - SECOND FLOOR LIGHTING PLAN
E2.1 - FIRST FLOOR ELECTRICAL PLAN
E2.2 - SECOND FLOOR ELECTRICAL PLAN
E3.1 - LIGHTNING PROTECTION PLAN
E4.1 - SINGLE LINE DIAGRAM
E4.2 - PANEL SCHEDULES

T0.1 - SYSTEMS LEGENDS AND DETIALS
T1.1 - FIRST FLOOR SYSTEMS PLAN
T1.2 - SECOND FLOOR SYSTEMS PLAN

GENERAL INFORMATION

OWNER:
OREGON FIRE DEPARTMENT
5002 SEAMAN ROAD
OREGON, OHIO 43616

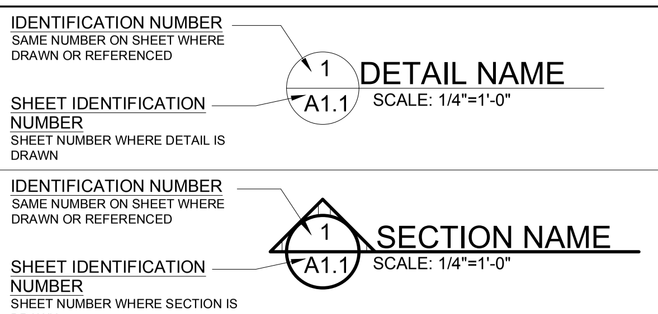
SITE
1040 SOUTH WYNN ROAD
OREGON, OHIO 43616

ARCHITECT & ENGINEER:
BUEHRER GROUP
ARCHITECTURE & ENGINEERING, INC.
314 CONANT STREET
MAUMEE, OHIO 43537
(419) 893-9021
ATTN: MICHAEL ROWE
MICHAEL@BUEHRERGROUP.COM

FIRE STATION CONSULTANT:
MULL & WEITHMAN ARCHITECTS, INC.
4525 INDIANOLA AVE.
COLUMBUS, OHIO 43214
(614) 267-6960

CIVIL ENGINEERING:
CITY OF OREGON DEPT. OF PUBLIC SERVICE
5330 SEAMAN ROAD
OREGON, OHIO 43616
(419) 698-7047

REFERENCE SYMBOLS



STATE OF OHIO
KENT D. BUEHRER
11087
REGISTERED ARCHITECT

KENT D. BUEHRER, LICENSE #11087
EXPIRATION DATE 12/31/21
SIGNATURE DATE 06/17/21

NEW CENTRAL FIRE STATION
FOR
OREGON FIRE DEPARTMENT
1040 S. WYNN ROAD
OREGON, OHIO

BUEHRERGROUP
architecture & engineering, inc.
314 CONANT ST., MAUMEE, OH 43537 | P 419.893.9021 F 419.893.9027 | BUEHRERGROUP.COM

REVISION SCHEDULE

2	2021-07-07

ISSUE DATE: 06/17/21

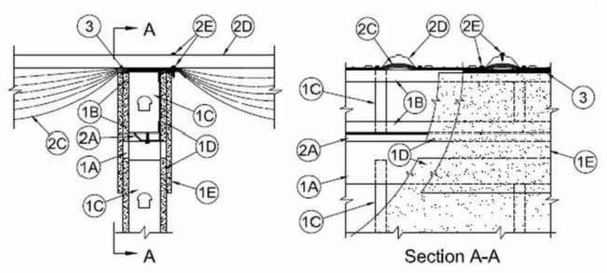
JOB NUMBER: 201296

CONSTRUCTION DOCUMENTS

TS1

UL TOP OF WALL DETAIL

System NO. CJ-D-0001
Joint Rating - 1 HR
Nominal Joint Width - 2"
Class II or III Movement Capabilities - 100% Compression and Extention



1. Wall Assembly — The minimum 1 hr fire rated gypsum board/steel stud wall assembly shall be constructed of the materials and in the manner specified in the individual U400, V400 or W400 Series Wall and Partition Design in the UL Fire Resistance Directory and shall include the following construction features:

A. Ceiling Deflection Channel — U-shaped channel formed from min 16 ga steel sized to accommodate steel studs (Item 1C) and provided with nom 5 in. (127 mm) flanges. Deflection channel installed parallel with and aligned with web of purlin and secured to bottom flange of purlin with min No. 14 self-tapping, hex-head, plated steel or stainless steel screws spaced max 24 in. (610 mm) OC.

B. Steel Floor and Ceiling Runners — Floor runner of the wall assembly and the floor and ceiling runners of the cripple wall above the wall assembly shall consist of min 1-1/4 in. (32 mm) deep min 25 ga galv steel channels sized to accommodate steel studs (Item 1C). Floor runner of cripple wall aligned with and resting atop flange of purlin. Ceiling runner of cripple wall installed to compress insulation (Item 2C) to min thickness of 3/8 in. (10 mm) by wedging lengths of stud (Item 1C) between the runners. Steel studs of cripple wall attached to web of purlin with steel screws driven through opposite side of purlin web.

C. Studs — Steel studs to be min 3-1/2 in. (89 mm) wide. Studs cut max 2 in. (51 mm) less in length than the wall assembly height with bottom nesting in and resting on the floor runner and with top nesting in ceiling deflection channel without attachment. Width of stud to be equal to or greater than width of purlin flange. Stud spacing not to exceed 24 in. (610 mm) O.C. Studs of cripple wall cut to length as required to compress insulation (Item 2C) to min thickness of 3/8 in. (10 mm) and spaced max 24 in. (610 mm) OC.

D. Gypsum Board* — (CKNX) — Min 5/8 in. (16 mm) thick gypsum board sheets installed on each side of wall. Wall to be constructed as specified in the individual U400, V400 or W400 Series Design in the UL Fire Resistance Directory except that a max 2 in. (51 mm) wide gap shall be maintained between the gypsum board of the wall assembly below the purlin and the gypsum board of the cripple wall. Top edge of gypsum board of wall assembly to be max 2 in. (51 mm) below top of ceiling deflection channel. Bottom edge of gypsum board of cripple wall to be flush with top of ceiling deflection channel. Screws securing gypsum board to steel studs of wall assembly to be located 2-1/4 in. to 2 1/2 in. (57 to 64 mm) below flange of ceiling deflection channel. Screws securing gypsum board of cripple wall to be driven into web of purlin and into studs and runners of cripple wall. No screws are to be driven into flanges of ceiling deflection channel.

E. Gypsum Board* — (CKNX) — Min 5/8 in. (16 mm) thick "rip strip" of gypsum board installed to cover first layer of gypsum board on cripple wall and to lap min 3 in. (76 mm) onto gypsum board of wall assembly on each side of wall. The "rip strip" of gypsum board is to be the same material used for the wall assembly and is to be secured to the web of purlin and into studs and runners of the cripple wall. No screws are to be driven into flanges of ceiling deflection channel. Joints of "rip strip" to be offset from joints of gypsum board on wall assembly.

Max separation between top of wall assembly gypsum board and bottom of cripple wall gypsum board (at time of installation of joint system) is 2 in. (51 mm). The joint system is designed to accommodate a max 100 percent compression or extension from its installed width.

2. Nonrated Horizontal Assembly — The nonrated horizontal assembly shall be constructed of the materials and in the manner described in the individual Roof Deck Constructions (Guide TGKX) in the UL Roofing Materials and Systems Directory and shall include the following construction features:

A. Purlin — Min 16 ga coated steel. Max spacing as specified in the individual Roof Deck Construction.

B. Lateral Bracing — (Not Shown) - As required.

C. Batts and Blankets* - Insulation — Any faced compressible glass-fiber blanket insulation having a min 6 in. (152 mm) thickness before compression and a min density of 0.6 pcf (9.6 kg/m3). Insulation draped over purlins prior to installation of panel clips (Item 2F) and/or metal roof deck panels (Item 2D). Side edges of the batts shall be butted or overlapped a max of 3 in. (76 mm).

See Batts and Blankets (BZJZ) category in the UL Fire Resistance Directory or Batts and Blankets (BKNV) category in the UL Building Materials Directory for names of manufacturers.

D. Metal Roof Deck Panels* — Min 26 ga coated steel. Panels continuous over two or more spans. Roof panel end laps, if required, centered over purlins with min 3 in. (76 mm) panel overlap as specified in the individual Roof Deck Construction. A line of tube sealant or tape sealant may be used at panel end and side laps.

See Metal Roof Deck Panels (TJPV) category in the UL Roofing Materials and Systems Directory for names of manufacturers.

E. Fasteners — Fasteners used for panel-to-purlin and panel-to-panel connections to be self-tapping, hex-head, plated steel or stainless steel screws with either an integral or a separate steel washer fitted with a compressible sealing washer. Fastener type, length, pilot hole diam and spacing to be as specified in the individual Roof Deck Construction.

F. Roof Deck Fasteners* - Panel Clips — (Not Shown) - Panel clips used for panel-to-purlin connections to be secured to purlin through insulation as specified in the individual Roof Deck Construction.

See Roof Deck Fasteners (TLSX) category in the UL Roofing Materials and Systems Directory for names of manufacturers.

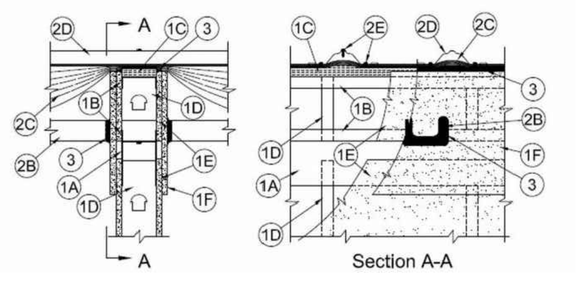
G. Thermal Spacer Blocks — (Not Shown) - Expanded polystyrene strips cut to fit between panel clips (Item 2F) as specified in the individual Roof Deck Construction. Thermal spacer blocks, when used, are to be installed between insulation (Item 2C) and metal roof deck panels (Item 2D) over purlins.

3. Fill, Void or Cavity Material* (XHHW) — Sealant — Min 5/8 in. (16 mm) thickness of fill material installed to fill any gap between top of cripple wall gypsum board and insulation (Item 2C) or purlin flange on each side of the wall.

SPECIFIED TECHNOLOGIES INC — SpecSeal ES Sealant, SpecSeal LCI Sealant, SpecSeal LC150 Sealant or SpecSeal SIL 300 Sealant

UL TOP OF WALL DETAIL

System NO. CJ-D-0003
Joint Rating - 1 HR
Nominal Joint Width - 2"
Class II or III Movement Capabilities - 100% Compression and Extention



1. Wall Assembly — The minimum 1 h fire rated gypsum board/steel stud wall assembly shall be constructed of the materials and in the manner specified in the individual U400, V400 or W400 Series Wall and Partition Design in the UL Fire Resistance Directory and shall include the following construction features:

A. Ceiling Deflection Channel — U-shaped channel formed from min 16 ga steel sized to accommodate steel studs (Item 2D) and provided with nom 5 in. (127 mm) flanges. Deflection channel installed parallel with and between purlins and secured to lateral bracing (Item 1B) with min No. 14 self-tapping, hex-head, plated steel or stainless steel screws.

B. Steel Floor and Ceiling Runners — Floor runner of the wall assembly and the floor and ceiling runners of the cripple wall above the wall assembly shall consist of min 1-1/4 in. (32 mm) deep min 25 ga galv steel channels sized to accommodate steel studs (Item 2D). Floor runner of cripple wall aligned with and screw-attached to top of ceiling deflection channel. Ceiling runner of cripple wall installed to compress insulation (Item 1C) and packing material (Item 2C) to min thickness of 3/8 in. (10 mm) and 1 in. (25 mm), respectively, by wedging lengths of stud (Item 2D) between the runners. Steel studs of cripple wall attached to floor and ceiling runners with steel screws.

C. Batts and Blankets* - Packing Material — Unfaced compressible mineral wool batt insulation having a nom 2 in. (51 mm) thickness before compression and a nom density of 4 pcf (64 kg/m3). Strips of nom 2 in. (51 mm) thick batt cut to width of cripple wall ceiling runner and compressed min 50 percent in thickness between cripple wall ceiling runner and insulation (Item 1C). Compression of mineral wool batt packing material to result in compression of insulation (Item 1C) to nominal 3/8 in. (10 mm) thickness. When width of metal roof deck panels (Item 1D) rib exceeds 2 in. (51 mm).

See Batts and Blankets (BZJZ) category in the UL Fire Resistance Directory or Batts and Blankets (BKNV)category in the UL Building Materials Directory for names of manufacturers.

D. Studs — Steel studs to be min 3-1/2 in. (89 mm) wide. Studs cut max 2 in. (51 mm) less in length than the wall assembly height beneath purlins with bottom nesting in and resting on the floor runner and with top nesting in ceiling deflection channel without attachment. Stud spacing not to exceed 24 in. (610 mm) O.C. Studs of cripple wall cut to length as required to compress packing material (Item 2C) and insulation (Item 1C) to min thicknesses of 1 in. (25 mm) and 3/8 in. (10 mm), respectively. Studs spaced max 24 in. (610 mm) OC.

E. Gypsum Board* — (CKNX) — Min 5/8 in. (16 mm) thick gypsum board sheets installed on each side of wall. Wall to be constructed as specified in the individual U400 or V400 Series Design in the UL Fire Resistance Directory except that a max 2 in. wide gap shall be maintained between the gypsum board of the wall assembly and the gypsum board of the cripple wall. Top edge of gypsum board of wall assembly to be max 2 in. (51 mm) below top of ceiling deflection channel. Bottom edge of cripple wall gypsum board to be flush with top of ceiling deflection channel. Screws securing gypsum board to steel studs of wall assembly to be located 2-1/4 in. to 2-1/2 in. (57 to 64 mm) below flange of ceiling deflection channel. Screws securing gypsum board of cripple wall to be driven into studs and runners of cripple wall. No screws are to be driven into flanges of ceiling deflection channel.

F. Gypsum Board* — (CKNX) — Min 5/8 in. (16 mm) thick "rip strip" of gypsum board installed to cover first layer of gypsum board on cripple wall and to lap min 3 in. (76 mm) onto gypsum board of wall assembly on each side of wall. The "rip strip" of gypsum board is to be the same material used for the wall assembly and is to be secured to the studs and runners of the cripple wall. No screws are to be driven into flanges of ceiling deflection channel. Joints of "rip strip" to be offset from joints of gypsum board on wall assembly.

Max separation between top of wall assembly gypsum board and bottom of cripple wall gypsum board (at time of installation of joint system) is 2 in. (51 mm). The joint system is designed to accommodate a max 100 percent compression or extension from its installed width.

2. Nonrated Horizontal Assembly — The nonrated horizontal assembly shall be constructed of the materials and in the manner described in the individual Roof Deck Constructions (Guide TGKX) in the UL Roofing Materials and Systems Directory and shall include the following construction features:

A. Purlin — (Not Shown) - Min 16 ga coated steel. Max spacing as specified in the individual Roof-Ceiling Design.

B. Lateral Bracing — Min 16 ga coated steel strap, channel, angle or other structural shape installed where required for lateral support of studs. Attached to steel purlins on each side of wall assembly with welds or with min No. 14 self-tapping, hex-head, plated steel or stainless steel screws.

C. Batts and Blankets* - Insulation — Any faced compressible glass-fiber blanket insulation having a min 6 in. (152 mm) thickness before compression and a min density of 0.6 pcf (9.6 kg/m3). Insulation draped over purlins prior to installation of panel clips (Item 1F) and/or metal roof deck panels (Item 1D). Side edges of the batts shall be butted or overlapped a max of 3 in. (76 mm).

See Batts and Blankets (BZJZ) category in the UL Fire Resistance Directory or Batts and Blankets (BKNV) category in the UL Building Materials Directory for names of manufacturers.

D. Metal Roof Deck Panels* — Min 26 ga coated steel. Panels continuous over two or more spans. Roof panel end laps, if required, centered over purlins with min 3 in. (76 mm) panel overlap as specified in the individual Roof-Ceiling Design. A line of tube sealant or tape sealant may be used at panel end and side laps.

See Metal Roof Deck Panels (TJPV) category in the UL Roofing Materials and Systems Directory for names of manufacturers.

E. Fasteners — Fasteners used for panel-to-purlin and panel-to-panel connections to be self-tapping, hex-head, plated steel or stainless steel screws with either an integral or a separate steel washer fitted with a compressible sealing washer. Fastener type, length, pilot hole diam and spacing to be as specified in the individual Roof-Ceiling Design.

F. Roof Deck Fasteners* - Panel Clips — (Not Shown) - Panel clips used for panel-to-purlin connections to be secured to purlin through insulation as specified in the individual Roof-Ceiling Design.

See Roof Deck Fasteners (TLSX) category in the UL Roofing Materials and Systems Directory for names of manufacturers.

G. Thermal Spacer Blocks — (Not Shown) - Expanded polystyrene strips cut to fit between panel clips (Item 1F) as specified in the individual Roof-Ceiling Design. Thermal spacer blocks, when used, are to be installed between insulation (Item 1C) and metal roof deck panels (Item 1D) over purlins.

3. Fill, Void or Cavity Material* (XHHW) — Sealant — Min 5/8 in. (16 mm) thickness of fill material installed to fill any gap between top of cripple wall gypsum board and insulation (Item 1C) on each side of the wall. Additional sealant installed to fill annular space between lateral bracing and gypsum board "rip strip" (Item 2F) on both sides of wall. Additional nom 1/2 in. (13 mm) diam bead of sealant to be applied around perimeter of lateral brace at its interface with the "rip strip" on each side of the wall.

SPECIFIED TECHNOLOGIES INC — SpecSeal ES Sealant, SpecSeal LCI Sealant, SpecSeal LC150 Sealant or SpecSeal SIL 300 Sealant

STATE OF OHIO
KENT D. BUEHRER
11087
REGISTERED ARCHITECT

KENT D. BUEHRER, LICENSE #11087
EXPIRATION DATE 12/31/21
SIGNATURE DATE 06/17/21

NEW CENTRAL FIRE STATION
FOR
OREGON FIRE DEPARTMENT
1040 S. WYNN ROAD
OREGON, OHIO

BUEHRERGROUP
architecture & engineering, inc.
314 CONANT ST., MAUMEE, OH 43537 | P 419.893.9021 F 419.893.9027 | BUEHRERGROUP.COM

REVISION SCHEDULE

1	2021-07-07

ISSUE DATE: 06/17/21

JOB NUMBER: 201296

CONSTRUCTION DOCUMENTS

LS4

BUFFER MOUNDING

LEGEND

- HEAVY DUTY CONCRETE PAVEMENT
- HEAVY DUTY ASPHALT PAVEMENT
- LIGHT DUTY ASPHALT PAVEMENT
- 4" CONCRETE WALK PER ODOT ITEM 608

PARKING SUMMARY

TOTAL SPACES: 59
REGULAR SPACES: 56
VAN ACCESSIBLE HANDICAP SPACES: 2
HANDICAP SPACES: 1
TOTAL HANDICAP SPACES: 3

DUMPSTER ENCLOSURE
SEE ARCHITECTURAL DRAWINGS
FOR DETAILS

190.00'

R5' (TYP)

18.00' (TYP)

10.00' (TYP)

25.00'

TYPE 6 CURB
TAPER FROM 6" TO
0" THROUGH RADIUS

R25'

R25'

99'

SEE ARCHITECTURAL DRAWINGS
FOR DETAILS

R35'

5.00'

10.0'

10.0'

5.0'

19.50' (TYP)

25.00'

R40'

TYPE 6 CURB
TAPER FROM 6" TO
0" THROUGH RADIUS

SIDEWALK WITH
INTEGRAL CURB

20.00'

13.0'

ADA RAMP

35.0'

22.00'

92'

25.00'

28'

25.5'

R5' (TYP)

TYPE 6 CURB
TAPER FROM 6" TO
0" THROUGH RADIUS

R5' (TYP)

N: 717863.1619,
E: 1714540.6872

N: 717958.4855,
E: 1714539.3207

26.33'

5.00'

19.50' (TYP)

10.00' (TYP)

N: 717738.0414,
E: 1714556.4822

N: 717863.3636,
E: 1714554.6857

SIDEWALK WITH
INTEGRAL CURB

SIDEWALK WITH
INTEGRAL CURB

25.00'

DRY DETENTION POND

10.00' (TYP)

19.50' (TYP)

FFE = 600.50

FFE = 600.50

108.00'

110.00'

80.00'

18.00' (TYP)

ADA RAMP

5.00'

8.00'

10.00'

8.00'

10.00'

10.00'

ADA RAMP

N: 717739.2167,
E: 1714638.4738

N: 717864.5380,
E: 1714636.6773

N: 717864.7387,
E: 1714650.6759

N: 717960.0622,
E: 1714649.3094

5.00'

5.00'

29.33'

BUILDING SETBACK

10.86'

MEMORIAL (ALTERNATE BID #2)
SEE DETAILS SHEET C-104
7/8/2021

R5' (TYP)

TYPE 6 CURB
TAPER FROM 6" TO
0" THROUGH RADIUS

N: 717974.9371,
E: 1714663.7639

97'

ELECTRONIC MESSAGE SIGN
(ALTERNATE BID #3)

65'

10'

1'

RIGHT OF WAY

5.00'

RIGHT OF WAY

R25'

R25'

R25'

R25'

ADA RAMP

R35'

R35'

50.00'

1' (TYP)

2' (TYP)

BM #2

ADA RAMP

20.00'
DRAINAGE
EASEMENT

N Line SE 1/4 NE 1/4 Sec 11

SCALE 1" = 20'

REVISIONS #2 - 7/8/2021

DRAWN BEB

CHECKED RMS

DATE 3/18/2021

SITE PLAN

CITY OF OREGON
CENTRAL FIRE STATION

C-107

LANDSCAPING NOTES

DESCRIPTION. THIS WORK CONSISTS OF FURNISHING AND PLANTING TREES, SHRUBS, VINES, AND OTHER MATERIALS.

PLANT MATERIALS. PLANT MATERIALS INCLUDE ALL TREES, SHRUBS, VINES, AND PLANTS REQUIRED FOR THE PROJECT. ENSURE THAT ALL PLANT MATERIALS CONFORM TO THE CURRENT EDITION OF THE AMERICAN STANDARD FOR NURSERY STOCK, AS PUBLISHED BY THE AMERICAN NURSERY AND LANDSCAPE ASSOCIATION.

ENSURE THAT ALL PLANTS ARE HEALTHY REPRESENTATIVES, TYPICAL OF THEIR SPECIES OR VARIETY, AND EXHIBIT A NORMAL HABIT OF GROWTH. ENSURE THAT ALL PLANTS ARE HARDY UNDER CLIMATIC CONDITIONS AND GROW IN THE SAME HARDINESS ZONE OR COLDER AS THE ONE IN WHICH THE PROJECT IS LOCATED.

LABELING. ATTACH LEGIBLE LABELS TO ALL SPECIMENS, OR BOXES, BUNDLES, AND OTHER CONTAINERS, INDICATING DETAILED INFORMATION COVERING THE BOTANICAL GENUS AND THE SPECIES NAME, THE COMMON NAME, THE SIZE OR AGE OF EACH SPECIES OR VARIETY, AND THE QUANTITY CONTAINED IN THE INDIVIDUAL BUNDLES, BOXES, AND BALES. REMOVE ALL LABELS BEFORE THE COMPLETION OF THE ESTABLISHMENT PERIOD.

INSPECTION. THE ENGINEER WILL INSPECT AND SEAL ALL PLANT MATERIALS ON THE PROJECT SITE WITH DEPARTMENT SEALS BEFORE USE OR PLANTING. THE ENGINEER WILL INSPECT ALL PLANTS TO ENSURE THEY ARE HEALTHY, VIGOROUS, AND FREE FROM HARMFUL DEFECTS, DECAY, DISFIGURED STEMS AND ROOTS, PLANT DISEASES, AND INSECT PESTS.

THE DEPARTMENT WILL GIVE FINAL ACCEPTANCE OF ALL PLANT MATERIALS ONLY AFTER THE MATERIALS ARE PLANTED AND HAVE MET ALL THE REQUIREMENTS OF THIS ITEM. REMOVE THE DEPARTMENT SEALS FROM THE PLANT MATERIALS AFTER THE FINAL INSPECTION.

LOCATION AND SOURCE OF SUPPLY. SUPPLY THE ENGINEER WITH COMPLETE AND DETAILED INFORMATION CONCERNING THE SOURCE OF SUPPLY FOR EACH ITEM OF REQUIRED PLANT MATERIAL WITHIN 15 DAYS AFTER RECEIVING THE NOTICE OF AWARD OF THE CONTRACT.

SCHEDULING. DIG AND PLANT ALL PLANTS AFTER SEPTEMBER 15 AND BEFORE JUNE 1. PLANT REPLACEMENT PLANTS AFTER SEPTEMBER 15 AND BEFORE JUNE 1. WATER ACCORDING TO ITEM 662.

TRANSPORTATION, STORAGE, AND HANDLING. TRANSPORT ALL PLANTS FROM NURSERY SOURCES TO THE PROJECT SITE WITH THE ENTIRE LOAD COMPLETELY COVERED FOR PROTECTION FROM DRYING WINDS.

THOROUGHLY WATER ALL PLANTS THAT CANNOT BE IMMEDIATELY PLANTED SO AS TO KEEP THE ROOTS CONTINUALLY MOIST. THE ENGINEER MAY REJECT PLANTS THAT ARE NOT ADEQUATELY PROTECTED DURING TRANSPORTATION AND STORAGE. HANDLE ALL PLANT MATERIALS BY THE ROOT BALL OR CONTAINER.

LAYOUT OF PLANT MATERIALS. BEFORE DIGGING, USE SUITABLE STAKING TO LAY OUT THE LOCATIONS OF ALL PLANTING HOLES AND BEDS. OBTAIN THE ENGINEER'S APPROVAL OF THESE LOCATIONS BEFORE DIGGING.

PLANTING HOLES. DIG PLANTING HOLES THAT HAVE VERTICAL SIDES AND FLAT BOTTOMS. IF SETTING TREES AND SHRUBS AT GRADE, DIG THE PLANTING HOLES TO A DIAMETER 18 INCHES (450 MM) GREATER THAN THE ROOT STRUCTURE (EARTH BALL). SEE 661.12 FOR DEPTH OF PLANTING.

DIG PLANTING HOLES FOR VINES AND PERENNIALS TO A MINIMUM DEPTH AND DIAMETER OF 6 INCHES (150 MM). MAKE PLANTING HOLES FOR ROOTED CUTTINGS AND TREE SEEDLINGS LARGE ENOUGH TO ACCOMMODATE THE ROOT SYSTEM.

LANDSCAPING BEDS. LANDSCAPE BEDS SHALL BE EXCAVATED OF ALL BUILDING MATERIALS AND POOR SOILS TO A DEPTH OF TWELVE INCHES TO EIGHTEEN INCHES (12"-18") AND BACKFILLED WITH GOOD, MEDIUM-TEXTURED PLANTING SOIL (LOAM OR LIGHT YELLOW CLAY LOAM). ADD FOUR INCHES TO SIX INCHES (4"-6") OF TOPSOIL OVER THE FILL MATERIAL AND CROWN A MINIMUM OF SIX INCHES (6") ABOVE THE TOP OF CURBS AND/OR WALKS AFTER EARTH SETTLING UNLESS OTHERWISE NOTED ON LANDSCAPE PLAN.

EDGING SHALL CONSIST OF $\frac{3}{16}$" X 4" STEEL OR ALUMINUM EDGING MATERIAL.

BACKFILL MIX. FOR ALL PLANTINGS, USE BACKFILL MIX CONSISTING OF THE FOLLOWING:

A. ONE PART EXCAVATED SOIL.

B. ONE PART SPHAGNUM PEAT MOSS, SHREDDED PINE BARK, OR EPA RATED CLASS IV COMPOST.

C. ONE PART SAND.

D. A SLOW RELEASE COMMERCIAL FERTILIZER (0-20-20 OR EQUAL) ADDED AT A RATE OF 5 POUNDS PER CUBIC YARD TO THE BACKFILL MIX.

DO NOT USE BACKFILL MIX IN A FROZEN OR MUDDY CONDITION. MIX BACKFILL ON THE PROJECT SITE.

1 7/1/2021

GRASS SEED

GRASS SEED SHALL BE 'WESTERN HOME' FROM TITGEMEIER'S OR APPROVED EQUAL. PERMANENT SEEDING OF MOUNDS AND SWALES SHALL BE COMPLETED BY OCTOBER 15, 2021.

PLANTING. SET PLANTS IN THE PLANTING HOLES AT A LEVEL SUCH THAT THE TOP OF THE ROOT STRUCTURE IS 1 INCH ABOVE THE SURROUNDING SOIL. SET EACH PLANT IN THE CENTER OF THE PLANTING HOLE, PLUMB, AND STRAIGHT.

IF THE ENGINEER DETERMINES THAT EXISTING SOILS ARE COMPACTED OR POORLY DRAINED, SET THE TREES AND SHRUBS WITH HALF OF THE ROOT STRUCTURE ABOVE THE EXISTING SOIL LEVEL. ADD BACKFILL MIX AROUND THE ROOT STRUCTURE SO THAT THE EDGES OF THE ROOT STRUCTURE ARE COVERED BY A MINIMUM OF 12 INCHES.

REMOVE ALL TWINE, BAGS, AND ROPING BEFORE BACKFILLING THE PLANTING HOLE. REMOVE THE TOP ONE-THIRD OF THE WIRE FROM ROOT BALLS HAVING WIRE BASKETS. REMOVE ALL ROT-PROOF BURLAP.

BACKFILL THE PLANTING HOLE WITH THE BACKFILL MIX. FILL THE HOLE GRADUALLY AND SETTLE THE BACKFILL WITH WATER TO THE TOP OF THE ROOT STRUCTURE. DO NOT FILL AROUND THE TRUNKS OR STEMS. SET BALLED AND BURLAPED, OR CONTAINERIZED STOCK AS SPECIFIED. SET GROUNDCOVERS AND VINES AS SHOWN ON THE PLANS. DO NOT PLANT GROUNDCOVERS AND VINES CLOSER THAN 12 INCHES TO TREE TRUNKS AND SHRUB STEMS OR WITHIN 6 INCHES OF THE EDGE OF PLANTING BEDS. BEFORE PLANTING SEEDLINGS, REMOVE ALL GRASS AND WEEDS BY SCALPING AN AREA THAT HAS A MINIMUM DIAMETER OF 12 INCHES. PLANT SEEDLINGS IN THE CENTER OF THE SCALPED AREA USING A SPADE OR PLANTING BAR.

TOPSOIL SHALL BE EVENLY DISTRIBUTED AND FINE GRADED OVER ALL AREAS TO RECEIVE LAWNS AT UNIFORM DEPTH OF FOUR INCHES (4"AFTER SETTLEMENT).

MULCH. SMOOTH AND SHAPE THE BACKFILL MIX TO FORM A SHALLOW BASIN SLIGHTLY LARGER THAN THE PLANTING HOLE. MULCH THESE AREAS WITH A 4-INCH LAYER OF FINELY SHREDDED HARDWOOD BARK OF UNIFORM TEXTURE AND SIZE. USE SHREDDED BARK AGED AT LEAST ONE YEAR. RAKE AND SMOOTH THE ENTIRE AREA OF THE PLANTING BEDS, MULCH TO A DEPTH OF 4 INCHES, AND WATER THOROUGHLY.

AFTER MULCHING AND BEFORE WATERING, ADD A SLOW RELEASE COMMERCIAL FERTILIZER (12-12-12 OR EQUAL), IN GRANULAR FORM, TO THE TOP OF THE MULCH AT A RATE OF 5 POUNDS PER 100 SQUARE FEET. DO NOT ALLOW THE FERTILIZER TO CONTACT THE STEMS, TRUNK, BRANCHES, OR LEAVES OF THE PLANTS.

PRUNING. TO BALANCE THE LOSS OF ROOTS AFTER PLANTING, PRUNE THE BRANCHES OF DECIDUOUS PLANTS TO PRESERVE THE NATURAL CHARACTERISTICS OF THE SPECIES, FOLLOWING STANDARD HORTICULTURAL PRACTICES. REMOVE BROKEN, DAMAGED, AND UNSYMMETRICAL BRANCHES AND OTHER GROWTH TO ENSURE HEALTHY AND SYMMETRICAL GROWTH OF NEW WOOD. DO NOT TRIM THE CENTRAL LEADER OF THE TREES.

BRACING. BRACE ALL TREES BY STAKING AS SHOWN ON THE ODOT STANDARD CONSTRUCTION DRAWING LA-1.2.

PERIOD OF ESTABLISHMENT. BEFORE FINAL INSPECTION, PLACE ALL PLANTS AND CARE FOR THEM FOR A PERIOD OF ESTABLISHMENT. THE PERIOD OF ESTABLISHMENT BEGINS IMMEDIATELY UPON COMPLETION OF THE PLANTING OPERATIONS AND CONTINUES UNTIL OCTOBER 1. THE MINIMUM PERIOD OF ESTABLISHMENT IS ONE GROWING SEASON, JUNE 1 THROUGH OCTOBER 1.

DURING THE PERIOD OF ESTABLISHMENT, FOLLOW STANDARD HORTICULTURAL PRACTICES TO ENSURE THE VIGOR AND GROWTH OF THE TRANSPLANTED MATERIAL. WATER, REMULCH, RESTAKE, GUY, AND CULTIVATE AS NECESSARY. PERFORM AT LEAST TWO WEEDING AND MOWING PROGRAMS (AROUND TREES, GUY STAKES, SHRUBS, AND BED EDGES) OF SUCH INTENSITY AS TO COMPLETELY RID THE PLANTED AND MULCHED AREAS OF WEEDS AND GRASSES. BEGIN THE FIRST PROGRAM ON OR ABOUT JUNE 15 AND THE SECOND APPROXIMATELY 8 WEEKS LATER.

ON OR ABOUT SEPTEMBER 15, THE ENGINEER WILL INSPECT THE PLANTING AND SUPPLY THE CONTRACTOR WITH A LIST OF MISSING AND DEAD PLANTS AND THOSE THAT HAVE DIED BACK BEYOND NORMAL PRUNING LINES. REPLANT AS REQUIRED ACCORDING TO THE SPECIFICATIONS OF THE ORIGINAL MATERIAL. REPLACEMENT PLANTS ARE SUBJECT TO A NEW PERIOD OF ESTABLISHMENT. IMMEDIATELY REPLACE PLANTS PLANTED INITIALLY IN THE FALL THAT HAVE DIED BEFORE THE SPRING PLANTING SEASON. CARE FOR THE REPLACEMENT PLANTS DURING THE NEW ESTABLISHMENT PERIOD.

REMOVAL OF STAKES AND WRAPPING. REMOVE ALL STAKES, GUY WIRES, AND WRAPPING MATERIAL FROM ALL PLANTS JUST BEFORE THE FINAL INSPECTION, WITH THE EXCEPTION OF THE REPLACEMENT PLANTINGS THAT HAVE NOT BEEN IN PLACE FOR A FULL GROWING SEASON. TAKE OWNERSHIP OF REMOVED ITEMS. USE ALL SUITABLE MATERIAL IN THE WORK.

GUARANTEE

CONTRACTOR AGREES TO GUARANTEE ALL PLANT MATERIAL FOR A PERIOD OF ONE (1) YEAR. AT THAT TIME, THE OWNER'S REPRESENTATIVE RESERVES THE RIGHT FOR A FINAL INSPECTION. PLANT MATERIAL WITH TWENTY-FIVE PERCENT (25%) DIE BACK, AS DETERMINED BY THE OWNER'S REPRESENTATIVE SHALL BE REPLACED. THIS GUARANTEE INCLUDES THE FURNISHING OF NEW PLANTS SHALL ALSO BE GUARANTEED FOR A PERIOD OF ONE (1) YEAR.

TOPSOIL AND SEEDING NOTES

THE CONTRACTOR SHALL STRIP THE TOP 6"-8" OF TOPSOIL FROM ENTIRE SITE AND STOCKPILE ON SITE PRIOR TO REGULAR EXCAVATION OR EMBANKMENT. REMOVE ALL HEAVY GRASS, WEEDS, OR OTHER VEGETATION OVER THE AREAS BEFORE STRIPPING. KEEP THE TOPSOIL SEPARATE FROM OTHER EXCAVATED MATERIALS.

2 7/8/2021

BEFORE PLACING TOPSOIL OR SEED REMOVE ROCK OR OTHER FOREIGN MATERIAL OF 1 INCHES OR GREATER IN ANY DIMENSION FROM ALL AREAS. FINISH THE AREA IN SUCH A MANNER THAT PLACING TOPSOIL CAN PROCEED WITHOUT ADDITIONAL SOIL PREPARATION.

PLACE TOPSOIL IN LOOSE LIFTS THAT CONSTRUCT A 4-INCH COMPACTED DEPTH IN ALL AREAS TO BE SEEDED. THE SURFACE OF THE TOPSOIL SHALL BE SUCH THAT THE FINAL GRADE AS SHOWN ON THE PLAN IS MET. TRACK THE AREA WITH A DOZER TO COMPACT AND PROVIDE GOOD CONTACT BETWEEN THE TOPSOIL AND THE SURFACE.

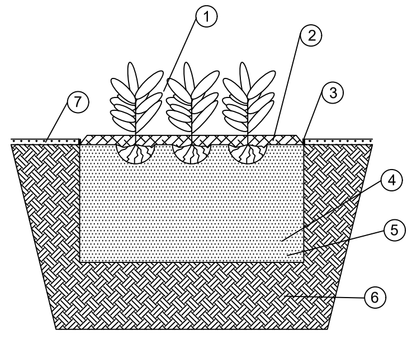
OBTAIN COMMERCIAL FERTILIZER FROM A DEALER OR MANUFACTURER WHOSE BRANDS ARE GRADES REGISTERED OR LICENSED BY THE STATE OF OHIO, DEPARTMENT OF AGRICULTURE. APPLY STANDARD COMMERCIAL FERTILIZER 10-20-10 EVENLY OVER THE SURFACE AT A STANDARD DRY APPLICATION RATE OF 20 POUNDS PER 1000 SQUARE FEET.

APPLY SEED TO PREPARED AREAS. IF THE PREPARED AREAS TO BE SEEDED BECOMES COMPACTED BEFORE SEEDING, LOOSEN THE SURFACE USING DISKS, RAKES, OR OTHER METHODS. THOROUGHLY MIX ALL SEED, AND EVENLY SOW THE SEED OVER THE PREPARED AREAS AT THE REQUIRED RATES.

MULCH MATERIALS CONSIST OF STRAW, COMPOST, OR WOOD FIBER. EVENLY PLACE MULCH AND IMMEDIATELY REPLACE MULCH THAT BECOMES DISPLACED.

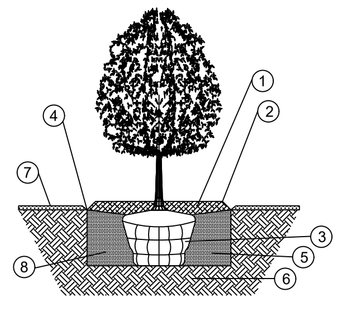
MAINTAIN ALL SEEDED AND MULCHED AREAS UNTIL FINAL INSPECTION. REPAIR DAMAGED AREAS TO THE ORIGINAL CONDITION AND GRADE.

THE CITY WILL INSPECT ALL SEEDED AREAS NO EARLIER THAN 6 MONTHS AND NO LATER THAN 12 MONTHS AFTER FINAL SEEDING. FOR ANY AREA IDENTIFIED WITHOUT A UNIFORM DENSITY OF AT LEAST 70 PERCENT GRASS COVER, CONTRACTOR SHALL BE REQUIRED TO PERFORM INTER-SEEDING OR REPAIR SEEDING AND MULCHING, AND FERTILIZE.



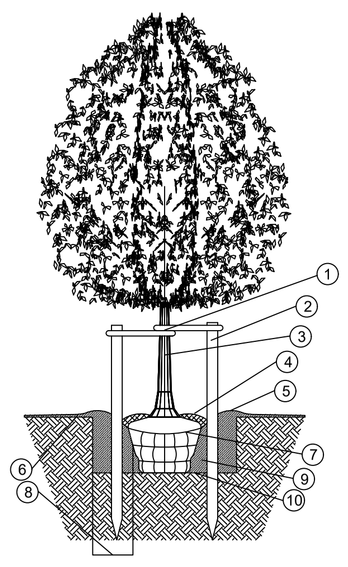
LANDSCAPE BEDS

1. SEE PLANT LIST FOR SPACING DISTANCE
2. SHREDDED HARDWOOD BARK OF A NATURAL COLOR MULCH AT 4" MIN. DEPTH
3. $\frac{3}{16}$" X 4" STEEL OR ALUMINUM EDGING MATERAIL
4. EXCAVATE PLANTING BED AND BACKFILL WITH PREPARED PLANTING MIX AT A 12"-18" DEPTH
5. PLANTING MIX PER NOTES
6. UNDISTURBED SUBGRADE
7. LAWN



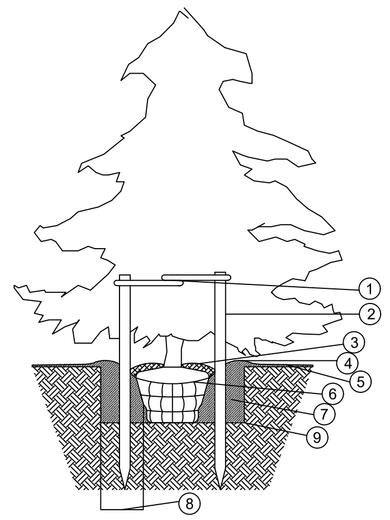
SHRUB

1. SHREDDED BARK MULCH AT 4" MINIMUM DEPTH. MULCH SHALL BE NATURAL IN COLOR.
2. FORM A SAUCER WITH MULCH AND SOIL AROUND THE SHRUB BED.
3. CUT AND REMOVE BURLAP AND BINDINGS FROM THE TOP ONE-THIRD OF THE ROOTBALL.
4. EDGING OR SPADED EDGE
5. EXCAVATE PLANTING HOLE AND BACKFILL WITH PREPARED PLANTING MIX.
6. UNDISTURBED SUBGRADE.
7. LAWN.
8. SCARIFY SUBGRADE.



DECIDUOUS TREE

1. STAKE TREE JUST BELOW FIRST BRANCH USING 2"-3" WIDE BELT-LIKE MATERIAL OF NYLON, PLASTIC, OR OTHER ACCEPTABLE MATERIAL. (NO WIRE OR HOSE TO BE USED TO GUY TREES.) 3 GUYS EVENLY SPACED PER TREE. REMOVE AFTER 1 WINTER SEASON.
2. 2x2 HARDWOOD STAKES. POSITION 6"-8" OUTSIDE OF ROOTBALL AND EXTEND 18" BELOW TREE PIT INTO UNDISTURBED SOIL.
3. APPLY TREE WRAP AND SECURE WITH A BIODEGRADABLE MATERIAL AT TOP AND BOTTOM. REMOVE AFTER 1 WINTER.
4. SHREDDED BARK MULCH OF A NATURAL COLOR AT 4" MINIMUM DEPTH. LEAVE A 3" CIRCLE OF BARE SOIL AT THE BASE OF THE TREE.
5. MOUND TO FORM TREE SAUCER.
6. FINISH GRADE SLOPED AWAY FROM TREE.
7. CUT AND REMOVE WIRE, BURLAP, AND BINDINGS FROM THE TOP ONE-THIRD OF THE ROOTBALL.
8. WIDTH OF ROOTBALL ON EACH SIDE.
9. PLANTING MIX SHALL BE AMENDED PER SITE CONDITIONS AND PLANT REQUIREMENTS.
10. SCARIFY BOTTOM AND SIDES OF PLANTING PIT TO 4" DEPTH.



EVERGREEN TREE

1. STAKE TREE AS INDICATED USING 2"-3" WIDE BELT-LIKE MATERIAL OF NYLON, PLASTIC, OR OTHER ACCEPTABLE MATERIAL. (NO WIRE OR HOSE TO BE USED TO GUY TREES.) 3 GUYS EVENLY SPACED PER TREE. REMOVE AFTER 1 WINTER SEASON.
2. 2x2 HARDWOOD STAKES. POSITION 6"-8" OUTSIDE OF ROOTBALL AND EXTEND 18" BELOW TREE PIT INTO UNDISTURBED SOIL.
3. SHREDDED BARK MULCH OF A NATURAL COLOR AT 4" MINIMUM DEPTH. LEAVE A 3" CIRCLE OF BARE SOIL AT THE BASE OF THE TREE.
4. MOUND TO FORM TREE SAUCER.
5. FINISH GRADE SLOPED AWAY FROM TREE.
6. CUT AND REMOVE WIRE, BURLAP, AND BINDINGS FROM THE TOP ONE-THIRD OF THE ROOTBALL.
7. PLANTING MIX SHALL BE AMMENDED PER SITE CONDITIONS AND PLANT REQUIREMENTS.
8. WIDTH OF ROOTBALL ON EACH SIDE.
9. SCARIFY BOTTOM AND SIDES OF PLANTING PIT TO 4" DEPTH.

SCALE

REVISIONS
#1 - 7/1/2021
#2 - 7/8/2021

DRAWN BEB
CHECKED RMS
DATE 3/18/2021

LANDSCAPE DETAILS

CITY OF OREGON
CENTRAL FIRE STATION

C–111

LEVEL 1 FLOOR PLAN

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

NORTH

SEE SHEET A8.5 FOR DIGITAL SIGN DETAILS

CONCRETE WALK - SEE CIVIL DWGS.

CONCRETE PATIO - SEE CIVIL DWGS.

LINE OF PERGOLA UNDER ALT. # 10. SEE DETAILS ON SHEET A8.4

CONCRETE WALK - SEE CIVIL DWGS.

5'-0"X5'-0" CONC. STOOP - SEE STRUCT. DWGS.

APRON - SEE STRUCT. DRAWINGS

CONCRETE MECHANICAL PAD - SEE STRUCTURAL DRAWINGS. SEE CIVIL DRAWINGS FOR REMAINING AREA IN MECHANICAL YARD

APRON - SEE STRUCT. DRAWINGS

CONC. STOOP - SEE STRUCT. DWGS.

A1.1	2021-07-07

REVISION SCHEDULE

ISSUE DATE: 06/17/21

JOB NUMBER: 201296

CONSTRUCTION DOCUMENTS

A1.1

BUEHRERGROUP
architecture & engineering, inc.
314 CONANT ST., MAUMEE, OH 43537 I P:419.893.9021 F:419.893.9027 I BUEHRERGROUP.COM

NEW CENTRAL FIRE STATION
FOR
OREGON FIRE DEPARTMENT
1040 S. WYNN ROAD

OREGON, OHIO

STATE OF OHIO
KENT D. BUEHRER
11087
ARCHITECT
KENT D. BUEHRER, LICENSE #11087
EXPIRATION DATE 12/31/21
SIGNATURE DATE 06/17/21

WALL TYPE LEGEND

WALL TYPE 1

METAL LINER PANEL ON 4 MIL. VAPOR BARRIER ON INTERIOR SIDE OF 8" MTL. STUDS @ 16" O.C. U.N.O. W/ R-25 UNFACED BATT INSUL. BETWEEN STUDS AND 5/8" PLYWOOD SHEATHING, WEATHER BARRIER, 1" AIR SPACE, AND UTILITY BRICK ON EXTERIOR SIDE OF STUDS TO BTM OF EAVE. NOMINAL WALL THICKNESS 1'-2", ACTUAL WALL THICKNESS 1'-2 1/4"

BRICK
1" AIR SPACE
WEATHER BARRIER
5/8" PLYWOOD
8" MTL. STUDS @ 16" O.C.
BATT INSUL.
4 MIL. VAPOR BARRIER
METAL LINER PANEL

SCALE: 1"= 1'-0"

WALL TYPE 2

4 MIL. VAPOR BARRIER ON INTERIOR SIDE OF 8" MTL. STUDS @ 16" O.C. U.N.O. W/ R-25 UNFACED BATT INSUL TO BTM. OF SPANDREL BEAM AND 5/8" PLYWOOD SHEATHING, WEATHER BARRIER, 1" AIR SPACE, AND UTILITY BRICK ON EXTERIOR SIDE OF STUDS TO 17'-8". PEMB PURLINS WITH VINYL FACED INSULATION AND METAL LINER PANEL ON INTERIOR FACE AND METAL PANEL ON EXTERIOR FACE ABOVE STUDS/BRICK TO BTM OF ROOF DECK. NOMINAL BRICK WALL THICKNESS 1'-2", ACTUAL BRICK WALL THICKNESS 1'-1 3/4"

BRICK
1" AIR SPACE
WEATHER BARRIER
5/8" PLYWOOD
8" MTL. STUDS @ 16" O.C.
BATT INSUL.
4 MIL. VAPOR BARRIER

SCALE: 1"= 1'-0"

WALL TYPE 3

METAL LINER PANEL ON 4 MIL. VAPOR BARRIER ON INTERIOR SIDE OF 8" MTL. STUDS @ 16" O.C. U.N.O. W/ R-25 UNFACED BATT INSUL. BETWEEN STUDS AND 5/8" PLYWOOD SHEATHING, WEATHER BARRIER, 1" AIR SPACE, AND UTILITY BRICK ON EXTERIOR SIDE OF STUDS TO 17'-8". PEMB PURLINS WITH VINYL FACED INSULATION AND METAL LINER PANEL ON INTERIOR FACE AND METAL PANEL ON EXTERIOR FACE ABOVE STUDS/BRICK TO BTM OF ROOF DECK. NOMINAL BRICK WALL THICKNESS 1'-2", ACTUAL BRICK WALL THICKNESS 1'-2 1/4"

BRICK
1" AIR SPACE
WEATHER BARRIER
5/8" PLYWOOD
8" MTL. STUDS @ 16" O.C.
BATT INSUL.
4 MIL. VAPOR BARRIER
METAL LINER PANEL

SCALE: 1"= 1'-0"

WALL TYPE 4

4 MIL. VAPOR BARRIER ON INTERIOR SIDE OF 8" MTL. STUDS @ 16" O.C. U.N.O. W/ R-25 UNFACED BATT INSUL. BETWEEN STUDS AND 5/8" PLYWOOD SHEATHING, WEATHER BARRIER, 1" AIR SPACE, AND UTILITY BRICK ON EXTERIOR SIDE OF STUDS TO BTM OF EAVE. NOMINAL WALL THICKNESS 1'-2", ACTUAL WALL THICKNESS 1'-2 1/4"

BRICK
1" AIR SPACE
WEATHER BARRIER
5/8" PLYWOOD
8" MTL. STUDS @ 16" O.C.
BATT INSUL.
4 MIL. VAPOR BARRIER

SCALE: 1"= 1'-0"

WALL TYPE 5

8" CONCRETE BLOCK WALL W/ AIR SPACE AND BRICK VENEER ON BOTH SIDES. NOMINAL WALL THICKNESS 1'-4", ACTUAL WALL THICKNESS 1'-3 5/8".

MODULAR BRICK
AIR SPACE
CONCRETE BLOCK
AIR SPACE
MODULAR BRICK

SCALE: 1"= 1'-0"

WALL TYPE 6

5/8" GYPSUM BOARD ON BOTH SIDES OF 3 5/8" OR 6" METAL STUDS @ 16" O.C. U.N.O. W/ 3 1/2" OR 6" SOUND ATTENUATION BLANKET INSULATION BETWEEN STUDS, NOMINAL WALL THICKNESS 5", OR 7" ACTUAL WALL THICKNESS 4 7/8" OR 7¼". DRYWALL TO EXTEND TO BOTTOM OF DECK ABOVE U.N.O. STUDS TO GO TO STRUCTURE ABOVE OR BE BRACED AS REQUIRED.

5/8" GYP. DW.
3 5/8" OR 6" MTL. STUDS @ 16" O.C.
BATT INSUL.
5/8" GYP. DW.

SCALE: 1"= 1'-0"

WALL TYPE 7

5/8" GYPSUM BOARD ON BOTH SIDES OF 3 5/8" OR 6" METAL STUDS @ 16" O.C. U.N.O. W/ 3 1/2" OR 6" SOUND ATTENUATION BLANKET INSULATION BETWEEN STUDS, NOMINAL WALL THICKNESS 5" OR 7", ACTUAL WALL THICKNESS 4 7/8" OR 7¼". DRYWALL TO EXTEND TO 6" ABOVE ADJACENT CEILING U.N.O.

5/8" GYP. DW.
3 5/8" OR 6" MTL. STUDS @ 16" O.C.
BATT INSUL.
5/8" GYP. DW.

SCALE: 1"= 1'-0"

WALL TYPE 8

5/8" GYPSUM BOARD ON INTERIOR SIDE OF 3 5/8" METAL STUDS @ 16" O.C. U.N.O., NOMINAL WALL THICKNESS 4", ACTUAL WALL THICKNESS 4 1/4". WALL TO EXTEND TO 6" ABOVE ADJACENT CEILING

5/8" GYP. DW.
3 5/8" MTL. STUDS @ 16" O.C.
BATT INSUL.

SCALE: 1"= 1'-0"

WALL TYPE 9

8" CONC. BLOCK FULL HEIGHT PARTITION. WALL TO GO TO BOTTOM OF ROOF SYSTEM. SEE REFLECTED CEILING PLAN AND SECTIONS.

8" CONC. BLOCK

WALL TYPE 10

5/8" GYPSUM BOARD ON BOTH SIDES OF (2) LAYERS OF 3 5/8" METAL STUDS @ 16" O.C. U.N.O. W/ 3 1/2" SOUND ATTENUATION BLANKET INSULATION BETWEEN EACH LAYER OF STUDS, NOMINAL WALL THICKNESS 11", ACTUAL WALL THICKNESS 11¼". DRYWALL TO EXTEND TO BTM. OF DECK

5/8" GYP. DW.
3 5/8" MTL. STUDS @ 16" O.C.
BATT INSUL.
5/8" GYP. DW.

SCALE: 1"= 1'-0"

WALL TYPE 11

8" CONC. BLOCK PARTITION. WALL TO EXTEND TO 1 COURSE ABOVE ADJACENT CEILING SYSTEM OR BOTTOM OF FLOOR DECK. SEE REFLECTED CEILING PLAN AND SECTIONS.

8" CONC. BLOCK

WALL TYPE 12

8" CONC. BLOCK PARTITION W/ ⅝" DRYWALL LAMINATED TO OFFICE SIDE OF WALL. WALL TO EXTEND TO 1 COURSE ABOVE ADJACENT CEILING SYSTEM OR BOTTOM OF FLOOR DECK. SEE REFLECTED CEILING PLAN AND SECTIONS.

⅝" DRYWALL
8" CONC. BLOCK

NOTE: ALL WALLS RECEIVING DRYWALL ARE TO RECEIVE HIGH IMPACT DRYWALL FROM FINISH FLOOR TO 8'-0" A.F.F. AND STANDARD DRYWALL FROM 8'-0" A.F.F. TO TERMINATION LOCATION OF DRYWALL PER SCHEDULE

WALL TYPE 13

VINYL FACED INSULATION ON INTERIOR SIDE OF P.E.M.B W/ 8" MTL. STUDS @ 16" O.C. U.N.O. BETWEEN PURLINS TO BRICK HEIGHT AND 5/8" PLYWOOD SHEATHING, WEATHER BARRIER, 1" AIR SPACE, AND UTILITY BRICK ON EXTERIOR SIDE OF STUDS TO 5'-4" or 3'-4"A.F.F. (SEE ELEVATIONS) W/ METAL PANEL ABOVE TO BTM OF EAVE. NOMINAL WALL THICKNESS 1'-2", ACTUAL WALL THICKNESS 1'-2 1/4"

BRICK
1" AIR SPACE
WEATHER BARRIER
5/8" PLYWOOD
8" MTL. STUDS @ 16" O.C. BETWEEN P.E.M.B.
VINYL FACED BATT INSUL.

SCALE: 1"= 1'-0"

WALL TYPE 14

METAL LINER PANEL W/ VINYL FACED INSULATION ON INTERIOR SIDE OF P.E.M.B W/ 8" MTL. STUDS @ 16" O.C. U.N.O. BETWEEN PURLINS TO BRICK HEIGHT AND 5/8" PLYWOOD SHEATHING, WEATHER BARRIER, 1" AIR SPACE, AND UTILITY BRICK ON EXTERIOR SIDE OF STUDS TO 5'-4" OR 3'-4" A.F.F. (SEE ELEVATIONS) W/ METAL PANEL ABOVE TO BTM OF EAVE. NOMINAL WALL THICKNESS 1'-2", ACTUAL WALL THICKNESS 1'-2 1/4"

BRICK
1" AIR SPACE
WEATHER BARRIER
5/8" PLYWOOD
8" MTL. STUDS @ 16" O.C. BETWEEN P.E.M.B.
VINYL FACED BATT INSUL.
METAL LINER PANEL

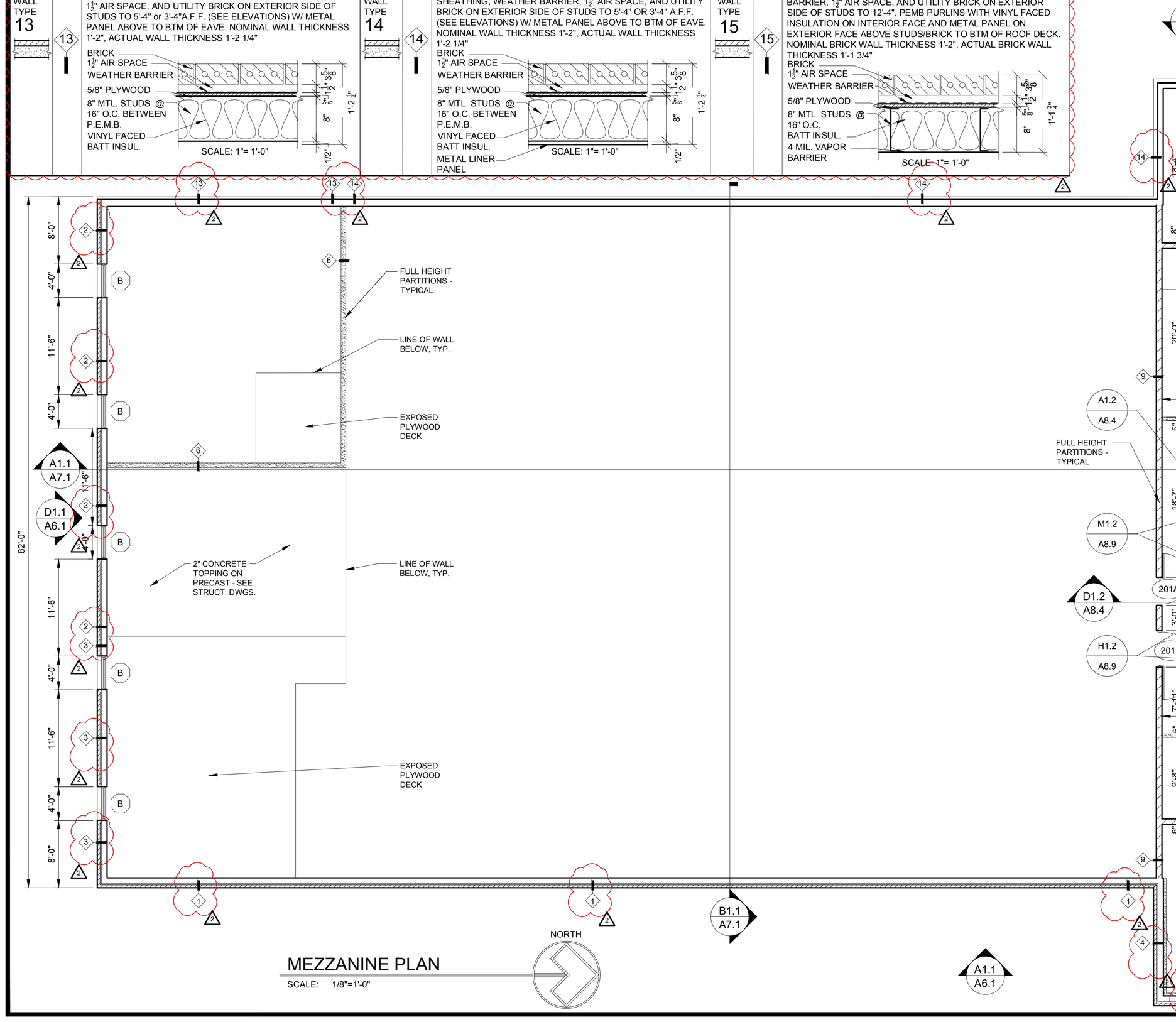
SCALE: 1"= 1'-0"

WALL TYPE 15

4 MIL. VAPOR BARRIER ON INTERIOR SIDE OF 8" MTL. STUDS @ 16" O.C. U.N.O. W/ R-25 UNFACED BATT INSUL TO BTM. OF SPANDREL BEAM AND 5/8" PLYWOOD SHEATHING, WEATHER BARRIER, 1" AIR SPACE, AND UTILITY BRICK ON EXTERIOR SIDE OF STUDS TO 12'-4". PEMB PURLINS WITH VINYL FACED INSULATION ON INTERIOR FACE AND METAL PANEL ON EXTERIOR FACE ABOVE STUDS/BRICK TO BTM OF ROOF DECK. NOMINAL BRICK WALL THICKNESS 1'-2", ACTUAL BRICK WALL THICKNESS 1'-1 3/4"

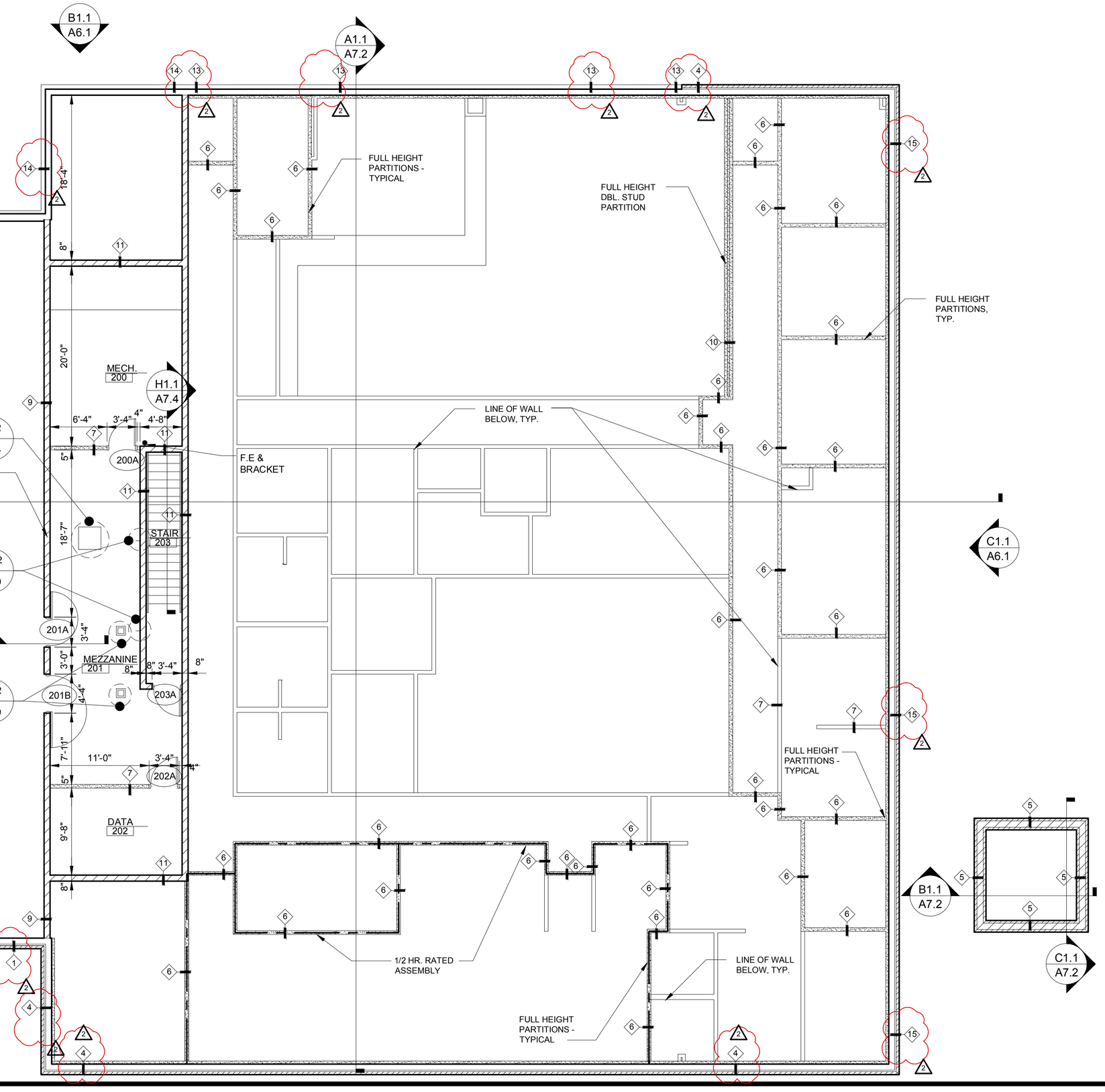
BRICK
1" AIR SPACE
WEATHER BARRIER
5/8" PLYWOOD
8" MTL. STUDS @ 16" O.C.
BATT INSUL.
4 MIL. VAPOR BARRIER

SCALE: 1"= 1'-0"



MEZZANINE PLAN

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



STATE OF OHIO
KENT D. BUEHRER
11087
REGISTERED PROFESSIONAL ENGINEER
KENT D. BUEHRER, LICENSE #11087
EXPIRATION DATE 12/31/21
SIGNATURE DATE 06/17/21

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FOR
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1040 S. WYNN ROAD
OREGON, OHIO

BUEHRERGROUP
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CONSTRUCTION DOCUMENTS

A1.2

EQUIPMENT CODED NOTES

3. COMPUTER WORKSTATION BY OWNER - TYPICAL.

4. FURNITURE BY OTHERS - TYPICAL.

6. MULTI-FUNCTION COPY, SCAN, FAX & PRINTER BY OWNER.

25. REFRIGERATOR / FREEZER w/ BUILT-IN ICE MAKER. FURNISHED BY OWNER AND INSTALLED BY CONTRACTOR.

26. GAS RANGE FURNISHED BY OWNER AND INSTALLED BY CONTRACTOR.

28. DISHWASHER FURNISHED BY OWNER AND INSTALLED BY CONTRACTOR.

29. GAS GRILLE BY OWNER AND INSTALLED BY CONTRACTOR.

30. PLUMBED COFFEE MAKER BY OWNER & INSTALLED BY CONTRACTOR.

31. MICROWAVE BY OWNER & INSTALLED BY CONTRACTOR.

33. UNDERCOUNTER REFRIGERAOTR. SUPPLIED BY OWNER AND INSTALLED BY CONTRACTOR

34. UNDERCOUNTER ICEMAKER. SUPPLIED BY OWNER AND INSTALLED BY CONTRACTOR

35. VENDING MACHINE BY OWNER. SUPPLIED BY OWNER AND INSTALLED BY CONTRACTOR

36. ICE MAKER. SUPPLIED BY OWNER AND INSTALLED BY CONTRACTOR

41. HOSE STORAGE RACK BY OWNER.

45. GLOVE DISPENSER BY OWNER

49. WASTE RECEPTACLE BY OWNER.

50. SHARPS CONTAINER. SUPPLIED BY OWNER AND INSTALLED BY CONTRACTOR.

53. TURNOUT GEAR LOCKERS FURNISHED BY OWNER AND INSTALLED BY CONTRACTOR.

54. MOBILE TURNOUT GEAR LOCKERS FURNISHED BY OWNER AND INSTALLED BY CONTRACTOR.

55. TURNOUT GEAR WASHER / EXTRACTOR FURNISHED BY OWNER AND INSTALLED BY CONTRACTOR.

57. WASHING MACHINE FURNISHED BY OWNER AND INSTALLED BY CONTRACTOR.

58. ELECTRIC DRYER FURNISHED BY OWNER AND INSTALLED BY CONTRACTOR.

60. FLAMMABLE STORAGE CABINET w/ SELF CLOSING DOORS BY OTHERS

61. THE CONTRACTOR SHALL HIRE BREATHING AIR SYSTEMS TO REMOVE AND RELOCATE THE EXISTING SCBA FILL COMPRESSOR SYSTEM FROM EXISTING FIRE STATION. BREATHING AIR SYSTEMS, 8855 EAST BROAD ST, REYNOLDSBURG, OH 43068. PATRICK LINN @ 800-937-2479 EXT 6015 OR CELL @ 614-309-8793. BREATHING AIR SHALL INSTALL ALL REQUIRED 6000 PSI INTERCONNECTING TUBING INCLUDING A SEPARATE AIR DROP NEAR WORK BENCH FOR MISC FILLING AND CERTIFY PROPER OPERATION OF RELOCATED SYSTEM.

BUILDING CONTRACTOR IS RESPONSIBLE FOR VENTILATION OF COMPRESSOR RM AND ALL REQUIRED ELECTRICAL WIRING, SEE MECHANICAL AND ELECTRICAL DRAWINGS. CONTRACTOR TO PROVIDE 4" SLEEVE THROUGH MASONRY WALL FOR INTERCONNECTING TUBING THRU MASONRY WALL OF COMPRESSOR ROOM TO SCBA.

63. EXISTING BOTTLE STORAGE SYSTEM TO BE RELOCATED BY BREATHING AIR SYSTEMS.

64. FUTURE EMS VENDING MACHINE BY OWNER.

65. LOCKABLE DRUG CABINET FURNISHED BY OWNER & INSTALLED BY CONTRACTOR.

66. WALL MOUNTED FLAT PANEL TV / MONITOR SUPPLIED BY OWNER AND INSTALLED BY CONTRACTOR. (PROVIDE BLOCKING)

67. STORAGE CABINET BY OWNER.

68. ELLIPTICAL MACHINE BY OWNER.

69. TREADMILL BY OWNER.

70. CABLE MACHINE MACHINE BY OWNER.

71. LEG PRESS BY OWNER.

72. BENCH BY OWNER.

73. WEIGHT RACK BY OWNER.

74. SQUAT / PRESS RACK BY OWNER.

75. CURL BENCH BY OWNER.

76. UNIVERSAL MACHINE BY OWNER

77. BIKE MACHINE BY OWNER

78. LEG CURL MACHINE

79. AIR COMPRESSOR BY CONTRACTOR , SEE PLUMB. DWGS.

80. PPE DRYING CABINET. BY OWNER

81. CORE MACHINE BY OWNER

97. BOOT WASH BY OWNER.

106. INFORMATION CENTER BY OTHERS. INSTALLED BY CONTRACTOR

111. 6' LONG LOOSE LOCKER BENCH BY OTHERS

113. CEILING MOUNTED FIRE LADDER POT RACK BY OWNER AND INSTALLED BY CONTRACTOR.

114. DETERGENT / CHEMICAL DISTRIBUTION SYSTEM (BY OWNER)

118. CHEMICAL DISTRIBUTION CENTER (BY OWNER)

119. 4 DRAWER FILING CABINET (BY OWNER)

120. FUTURE FREEZER (BY OWNER)

123. DAY ROOM LOUNGE CHAIR (BY OTHERS)

124. CAD MONITOR PROVIDED BY OWNER AND INSTALLED BY CONTRACTOR (PROVIDE BLOCKING)

125. FUTURE DIGITAL DISPLAY LOCATION(PROVIDE BLOCKING)

127 . KNOX BOX BY CONTRACTOR

128. MASK DISPENSER BY OWNER (PROVIDE BLOCKING)

129. STRIKER COT BY OWNER

130. WALL RING CUTTER BY OWNER (PROVIDE BLOCKING)

131. PORTABLE STORM SHELTER WATER CLOSET BY OWNER

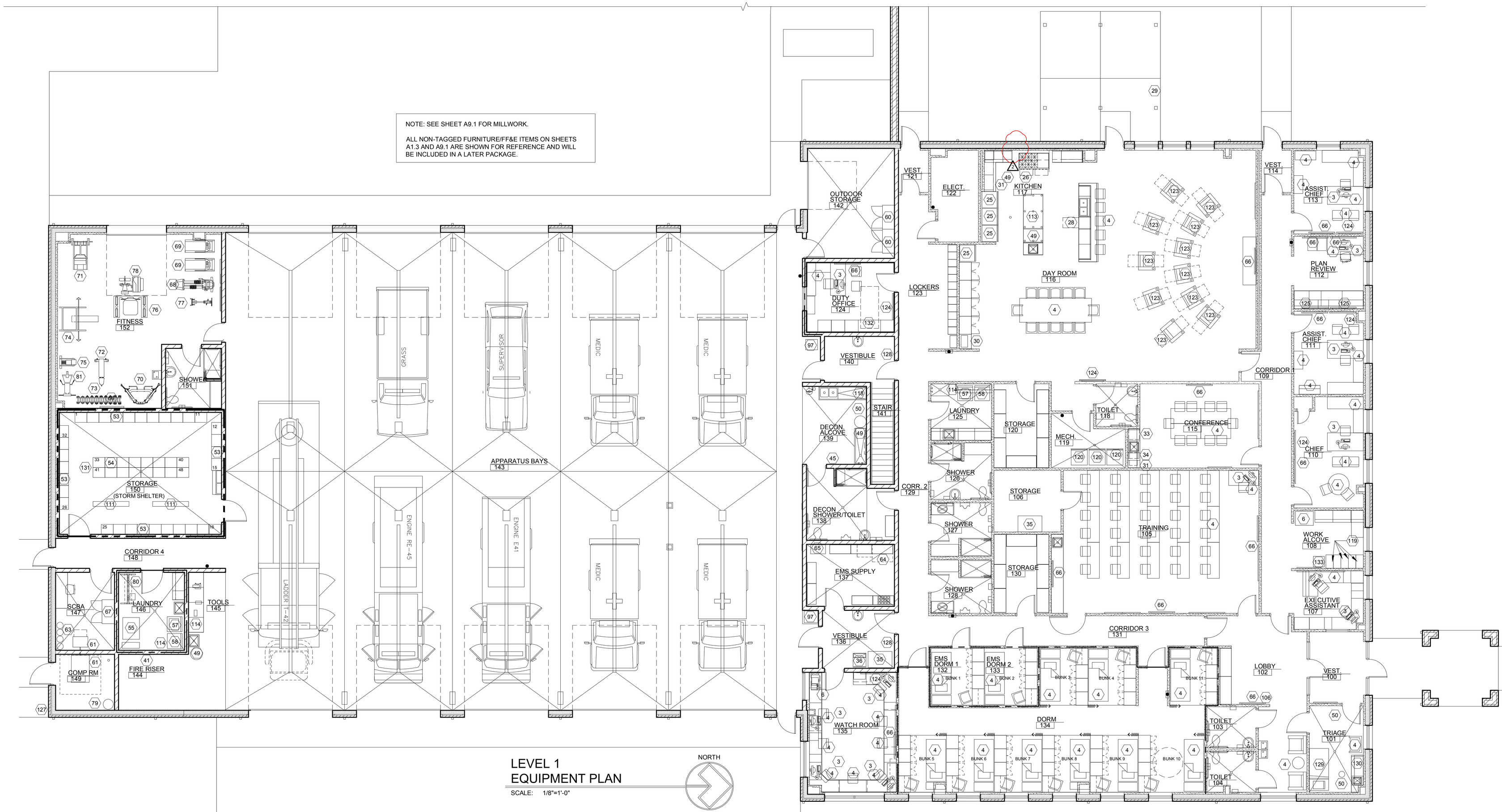
132. MURPHY BED - SEE SPEC SECTION 12 50 00

133. FREESTANDING SHREDDER BY OWNER (EXISTING)

NOTE: ALL EQUIPMENT TO INCLUDE APPROPRIATE BLOCKING BY CONTRACTOR REGARDLESS OF IF THE EQUIPMENT IS INSTALLED BY THE OWNER OR CONTRACTOR

NOTE: SEE SHEET A9.1 FOR MILLWORK.

ALL NON-TAGGED FURNITURE/FF&E ITEMS ON SHEETS A1.3 AND A9.1 ARE SHOWN FOR REFERENCE AND WILL BE INCLUDED IN A LATER PACKAGE.



LEVEL 1
EQUIPMENT PLAN

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

NORTH

STATE OF OHIO
KENT D. BUEHRER
11087
REGISTERED ARCHITECT

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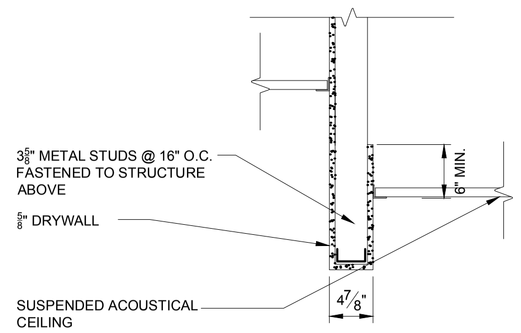
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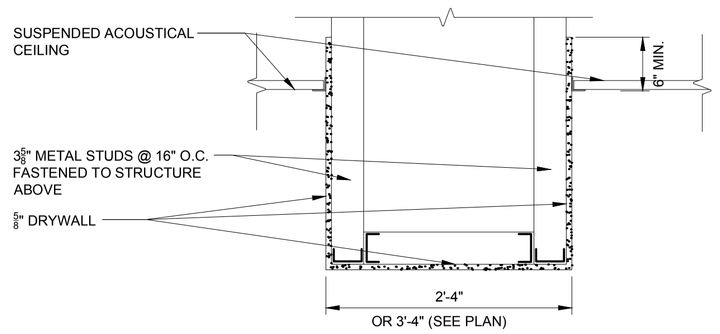
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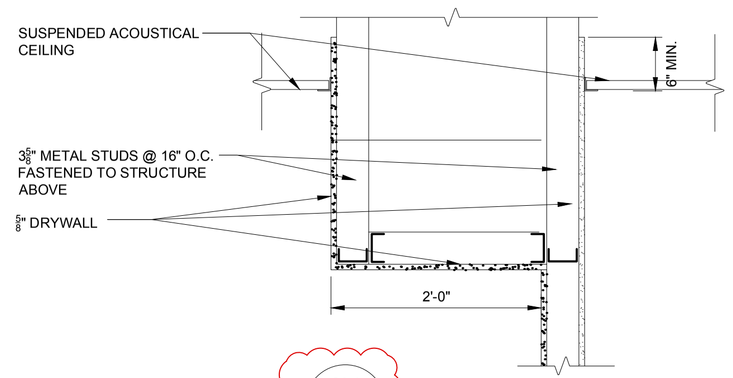
A1.3



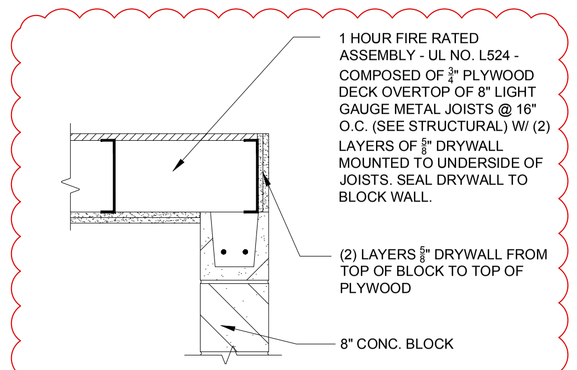
A2.1 / A2.1 — SOFFIT DETAIL
SCALE: 1"=1'-0"



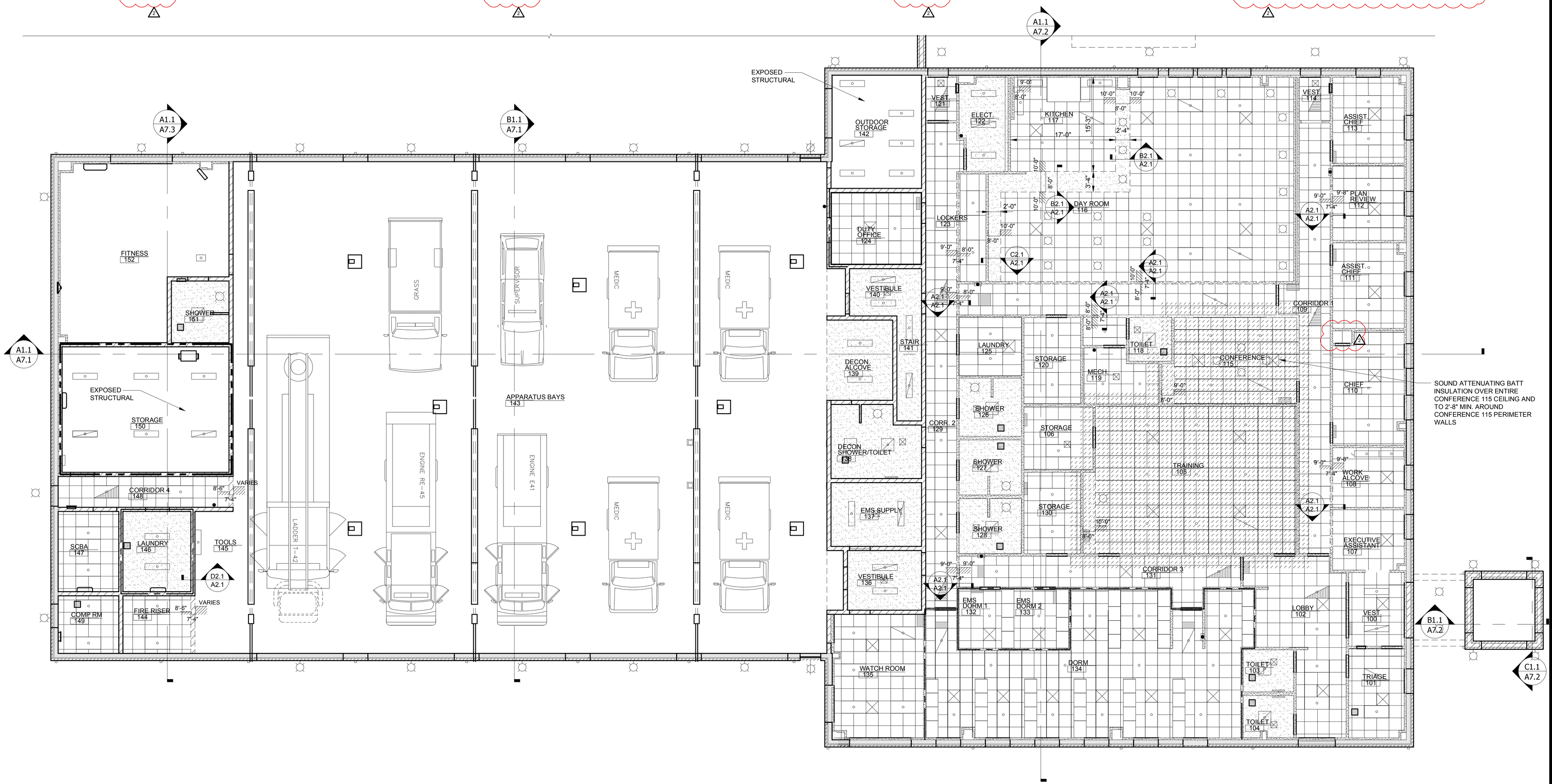
B2.1 / A2.1 — SOFFIT DETAIL
SCALE: 1"=1'-0"



C2.1 / A2.1 — SOFFIT DETAIL
SCALE: 1"=1'-0"



D2.1 / A2.1 — CEILING DETAIL
SCALE: 1"=1'-0"



GROUND FLOOR
REFLECTED CEILING PLAN
SCALE: 1/8"=1'-0"

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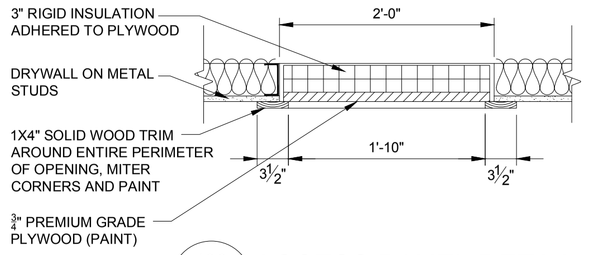
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CONSTRUCTION DOCUMENTS

A2.1



A2.2 / A2.2 ACCESS PANEL DETAIL

SCALE: 1"=1'-0"

REFLECTED CEILING NOTES

1. ALLOW FOR ROOF STRUCTURE DEFLECTION AT METAL STUD AND DRYWALL WALLS WHERE METAL STUD AND DRYWALL WALLS EXTEND UP TO OR ARE BRACED TO ROOF STRUCTURE.

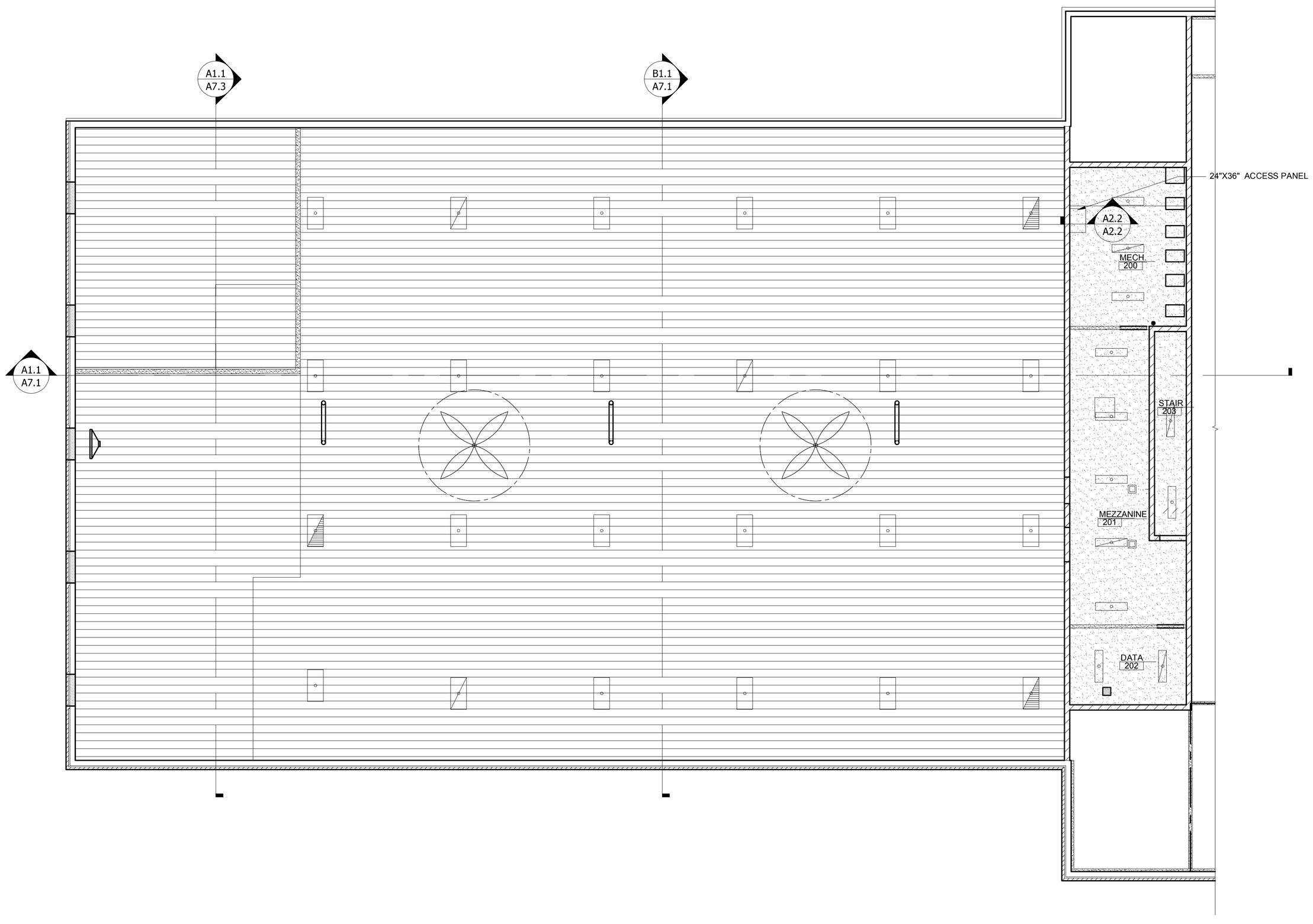
2. FIRE PROTECTION CONTRACTOR TO COORDINATE LOCATION OF SPRINKLER HEAD/LINE LOCATIONS W/ ALL OTHER CONTRACTORS. LOCATE HEADS IN THE CENTER OF CEILING TILES.

3. SEE "ROOM FINISH SCHEDULE" ON DWG. A100.1 FOR CEILING HEIGHTS

4. ALL EXPOSED ITEMS AND MATERIALS INCLUDING BUT NOT LIMITED TO STEEL STRUCTURE, SUPPORTS, FASTENERS, DUCTS, CONDUITS, PIPING, ETC. TO BE PAINTED.

REFLECTED CEILING LEGEND

	2' X 4' LED LIGHT FIXTURE	WAP	WIRELESS ACCESS
	1' x 4' LED LIGHT FIXTURE	CLK	DIGITAL CLOCK
	2'X 2' LED LIGHT FIXTURE		SPRINKLER HEAD (EXACT LOCATION MAY VARY)
	LED DOWN LIGHT FIXTURE -SEE ELECTRICAL LIGHTING PLAN		SPRINKLER ABOVE CEILING PANELS
	EXIT SIGNS		UPRIGHT PENDANT SPRINKLER W/ WIRE GUARD (EXACT LOCATION MAY VARY)
	OCCUPANCY SENSOR OR		AIR SUPPLY GRILLE
	PHOTOSENSOR		LINEAR AIR SUPPLY GRILLE
SM	CEILING MOUNTED SMOKE DETECTOR		RETURN AIR GRILLE
			RADIANT CEILING PANELS
	SUSPENDED CEILING	LS OR DQ	RECESSED CEILING SPEAKER
	DRYWALL CEILING	OR	SURFACE MOUNTED SPEAKERS
	R-13 SOUND BATT INSULATION TO 2'-8" OFF FACE OF EACH WALL WHERE SHOWN OR OVER FULL FIELD OF CEILING, ABOVE ACOUSTICAL CEILING, TYP. (DO NOT PUT OVER LIGHT FIXTURES OR GRILLES)		SECURITY CAMERA MOUNTED IN CEILING
		A	SECURITY SYSTEM SOUNDER
	CEILING FAN 1	F	FIRE ALARM HORN AND STROBE
			SUSPENDED LIGHT FIXTURE
			METAL LINER PANEL CEILING SYSTEM



MEZZANINE
REFLECTED CEILING PLAN

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

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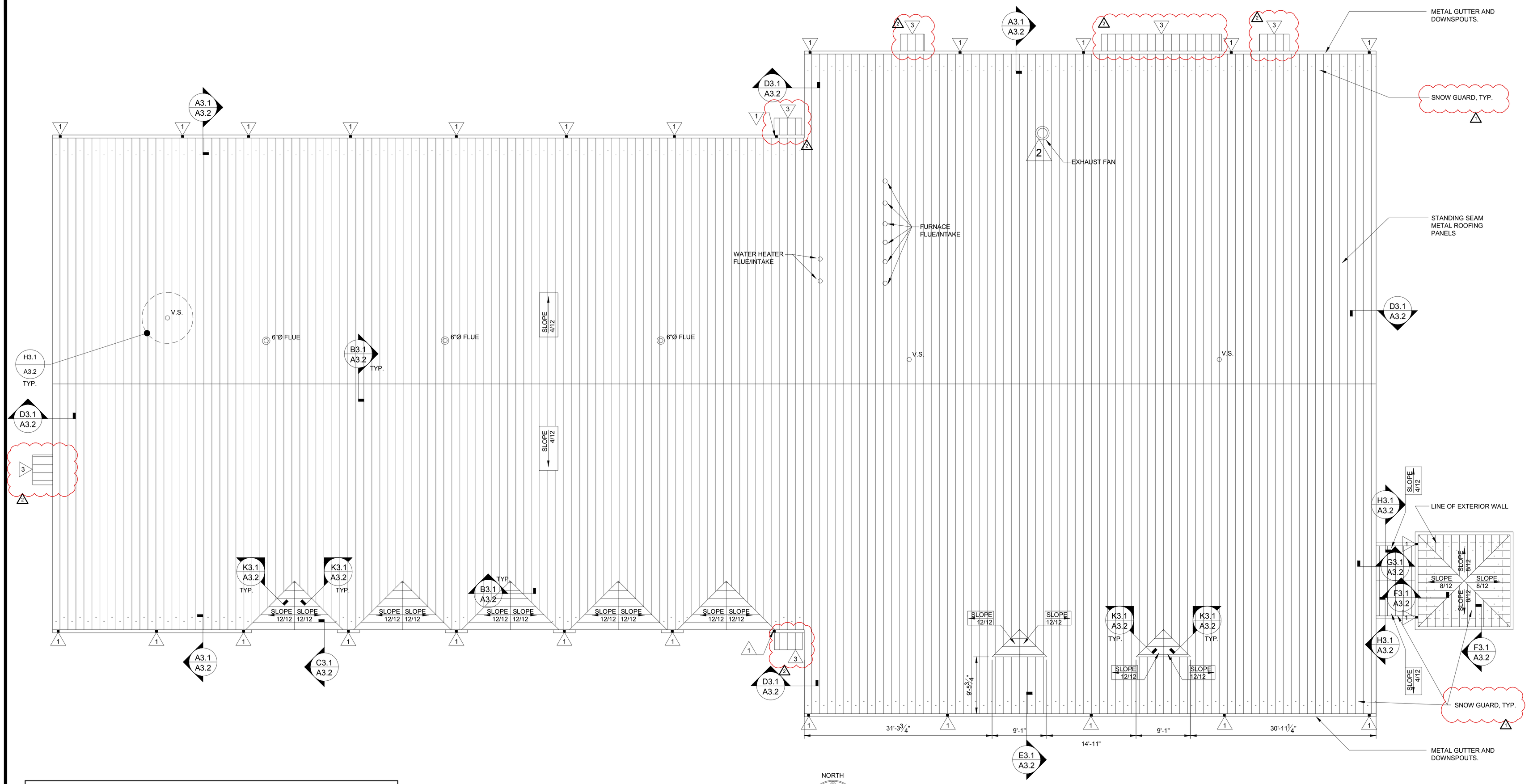
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CONSTRUCTION DOCUMENTS

A2.2



ROOF PLAN

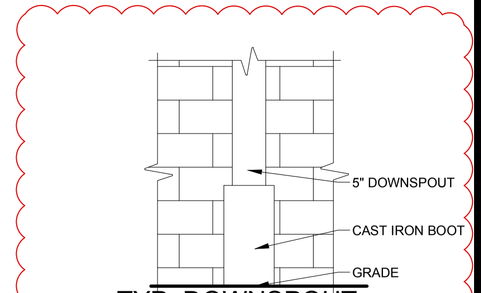
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ROOF NOTES

1. PREENGINEERED METAL BUILDING ROOF DETAILS MAY VARY BASED ON PREENGINEERED METAL BUILDING MANUFACTURER. COORDINATE ALL DETAILS WITH METAL BUILDING MANUFACTURER.
2. PROVIDE INTERMETALIC SEPARATION WHERE REQ'D
3. ALL FASTENERS THAT PENETRATE FLASHING TO BE SELF SEALING TYPE.
4. PROVIDE INSULATION BLOCKS (THERMAL SPACERS) UNDER ROOF PANELS AND AS NEEDED TO PROVIDED THERMAL PERFORMANCE REQUIRED BY THE LATEST VERSION OF ASHRAE 90.1 (TYP.)
5. PROVIDE INSULATION SUPPORT STRAPS, METAL FURRING STRIPS, ETC. AS REQUIRED TO HOLD INSULATION IN PLACE WHEREVER STUD WALLS DON'T HAVE SHEATHING ON ONE OR BOTH SIDES.
6. SEE SPECIFICATIONS FOR METAL SIDING AND METAL TRIM GAUGE REQUIREMENTS.
7. ALL FASTENERS, INCLUDING BUT NOT LIMITED TO RIVETS AND SCREWS, ARE TO BE STAINLESS STEEL AND COLORED TO MATCH ADJACENT METAL COLOR.
8. TAPE ALL SEAMS AND PENETRATIONS IN VAPOR BARRIER AND AIR BARRIERS.
9. ALL ROOF PANELS SHALL BE CONTINUOUS FROM EAVE TO RIDGE. LAP JOINTS WILL NOT BE ACCEPTED.
10. DO NOT INSTALL ANY VINYL FACED BATT INSULATION WITH TEARS IN THE VINYL. ANY TEARS THAT OCCUR AFTER THE INSULATION IS INSTALLED SHALL BE TAPED AND SEALED ACCORDING TO THE MANUFACTURERS RECOMMENDATIONS.
11. KEEP ALL ROOF PENETRATIONS TO A MINIMUM
12. COORDINATE DOWNSPOUT LOCATIONS WITH ELEVATIONS
13. ALLOW FOR ROOF STRUCTURE DEFLECTION AT METAL STUD AND DRYWALL WALLS WHERE METAL STUD AND DRYWALL WALLS EXTEND UP TO OR ARE BRACED TO ROOF STRUCTURE
14. PRE-ENGINEERED METAL BUILDING MANUFACTURER TO ALLOW FOR EXPANSION AND CONTRACTION AT BUILDING CONNECTION LOCATIONS

ROOF TAGS

1	5" DOWNSPOUT	V.S.	VENT STACK
2	MECHANICAL EXHAUST HOOD & CURB - ALL LOCATIONS MAY NOT BE SHOWN - COORDINATE WITH MECH. DRAWINGS.	E.F.	EXHAUST FAN
3	CANOPY, TYP. SEE DETAILS.		



TYP. DOWNSPOUT BOOT DETAIL

SCALE: N.T.S.

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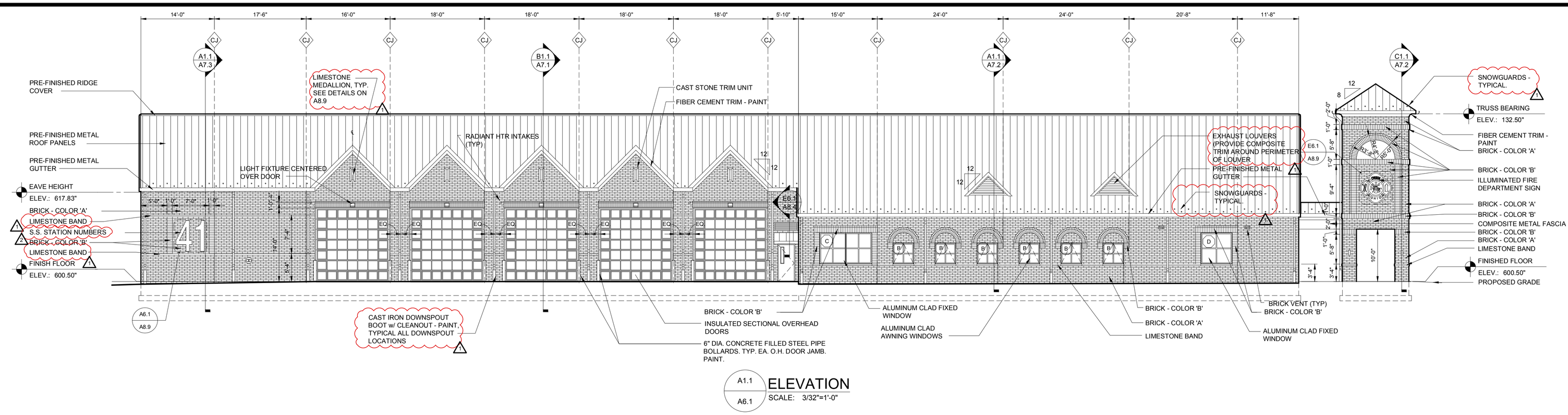
1	2021-06-30
2	2021-07-07

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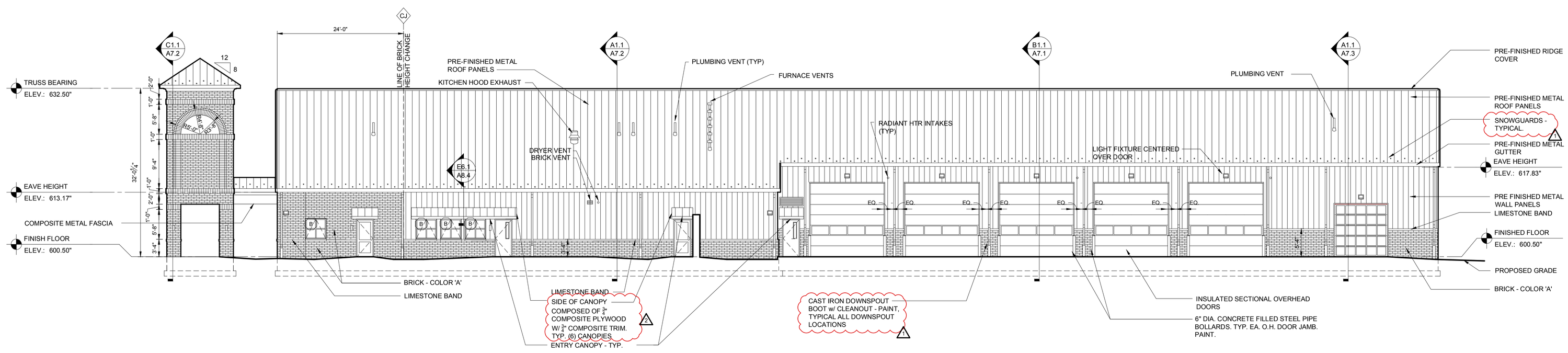
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CONSTRUCTION DOCUMENTS

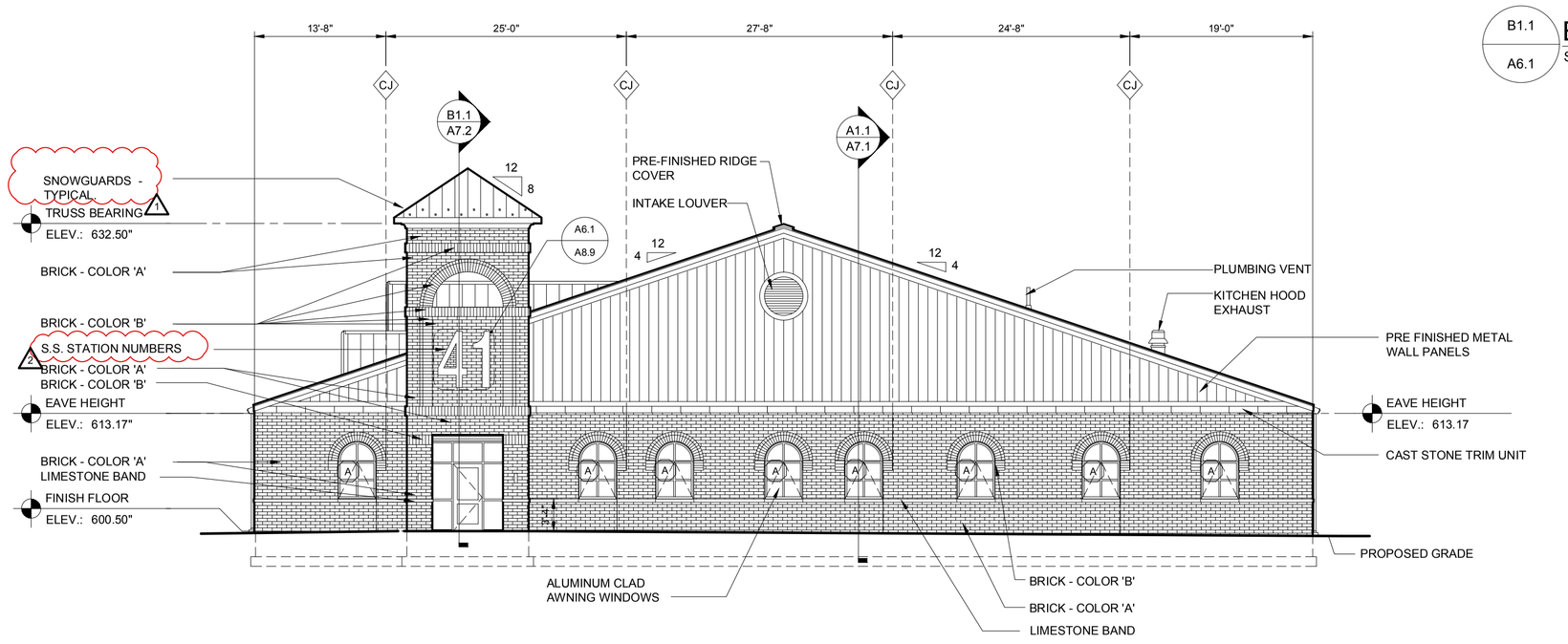
A3.1



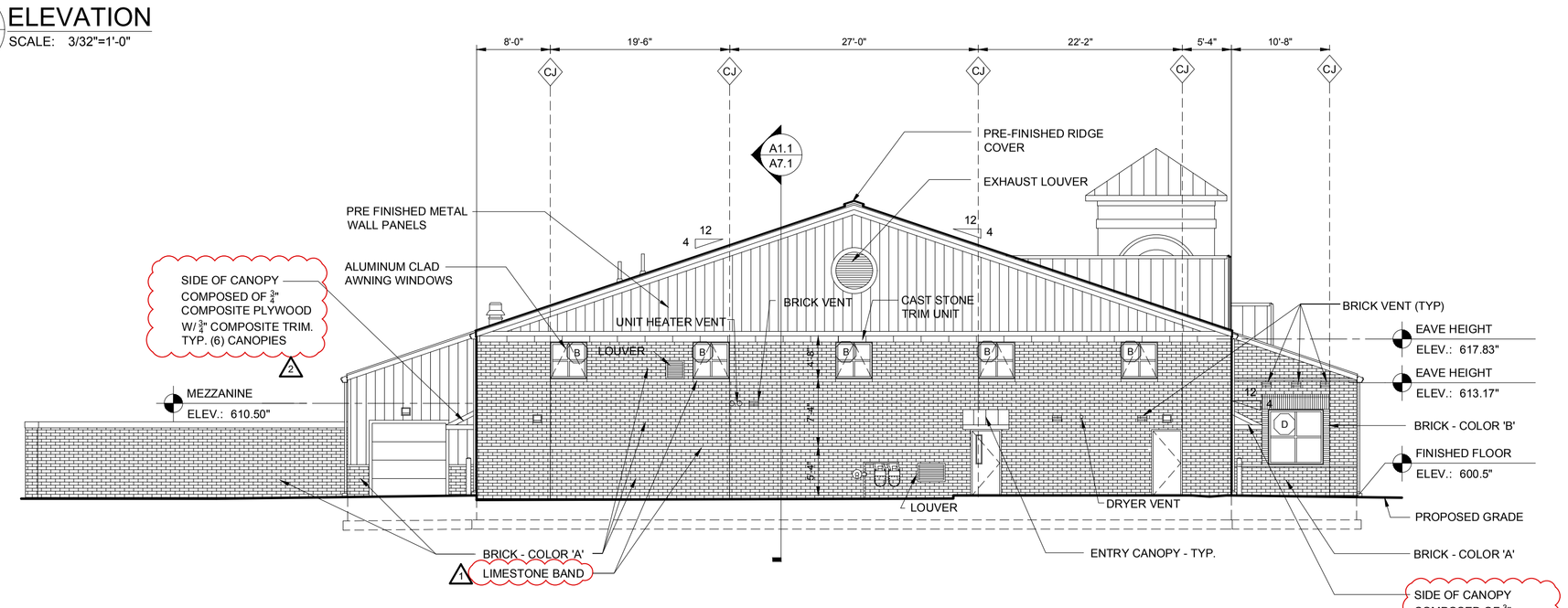
A1.1 / A6.1 ELEVATION
SCALE: 3/32"=1'-0"



B1.1 / A6.1 ELEVATION
SCALE: 3/32"=1'-0"



C1.1 / A6.1 ELEVATION
SCALE: 3/32"=1'-0"



D1.1 / A6.1 ELEVATION
SCALE: 3/32"=1'-0"

STATE OF OHIO
KENT D. BUEHRER
11087
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KENT D. BUEHRER, LICENSE #11087
EXPIRATION DATE 12/31/21
SIGNATURE DATE 06/17/21

NEW CENTRAL FIRE STATION
FOR
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1040 S. WYNN ROAD
OREGON, OHIO

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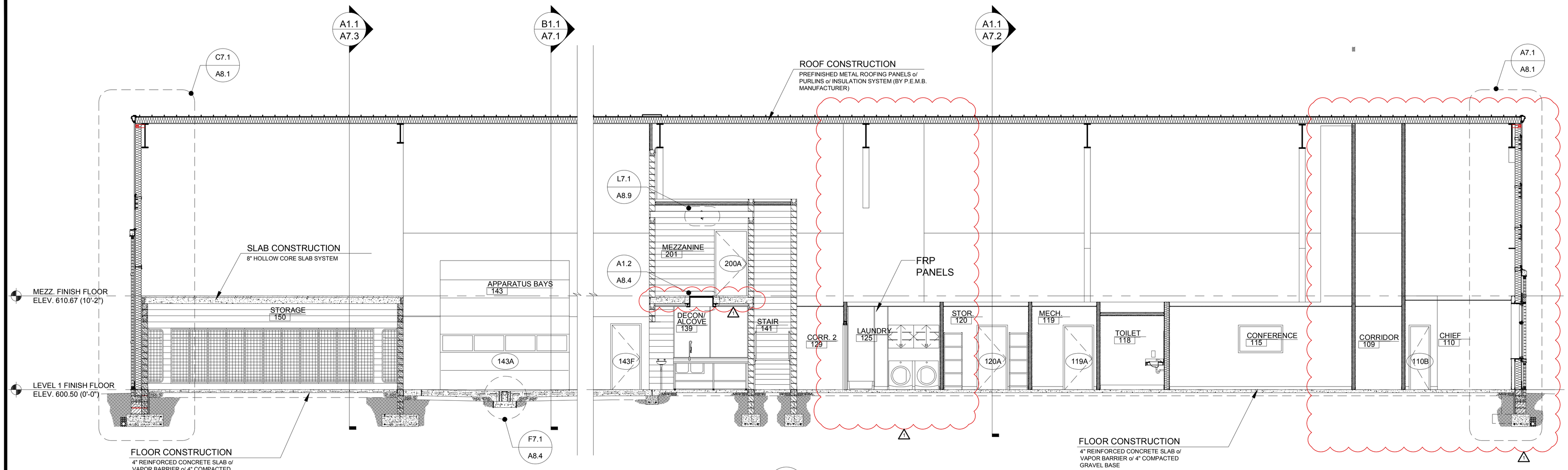
1	2021-06-30
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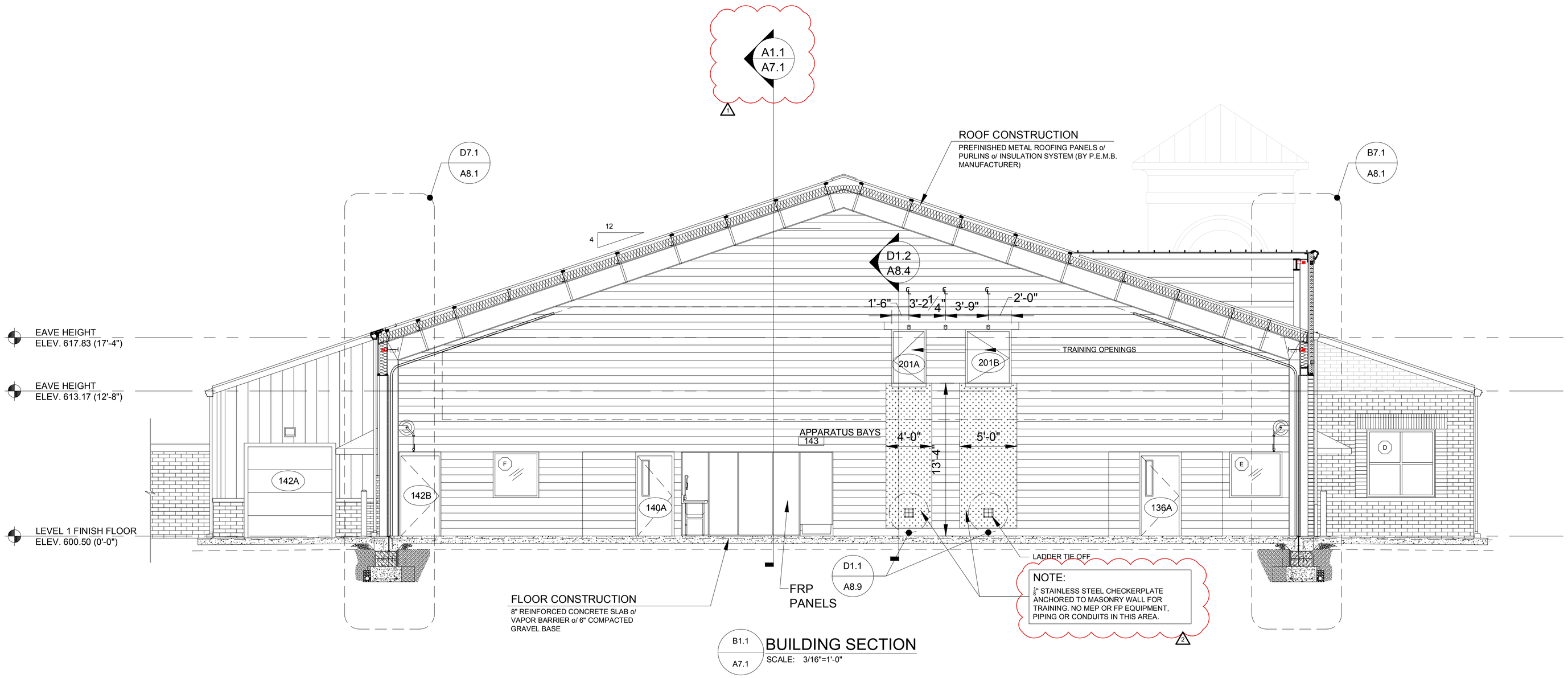
JOB NUMBER: 201296

CONSTRUCTION DOCUMENTS

A6.1



A1.1 / A7.1 **BUILDING SECTION**
SCALE: 3/16"=1'-0"



B1.1 / A7.1 **BUILDING SECTION**
SCALE: 3/16"=1'-0"

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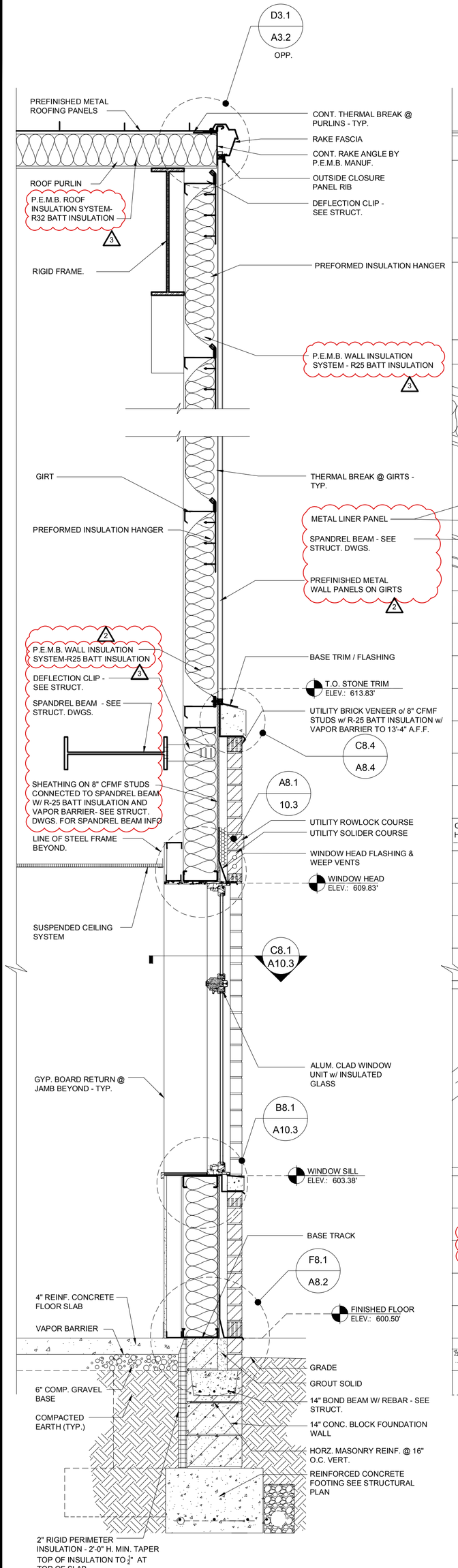
1	2021-06-30
1	2021-07-07

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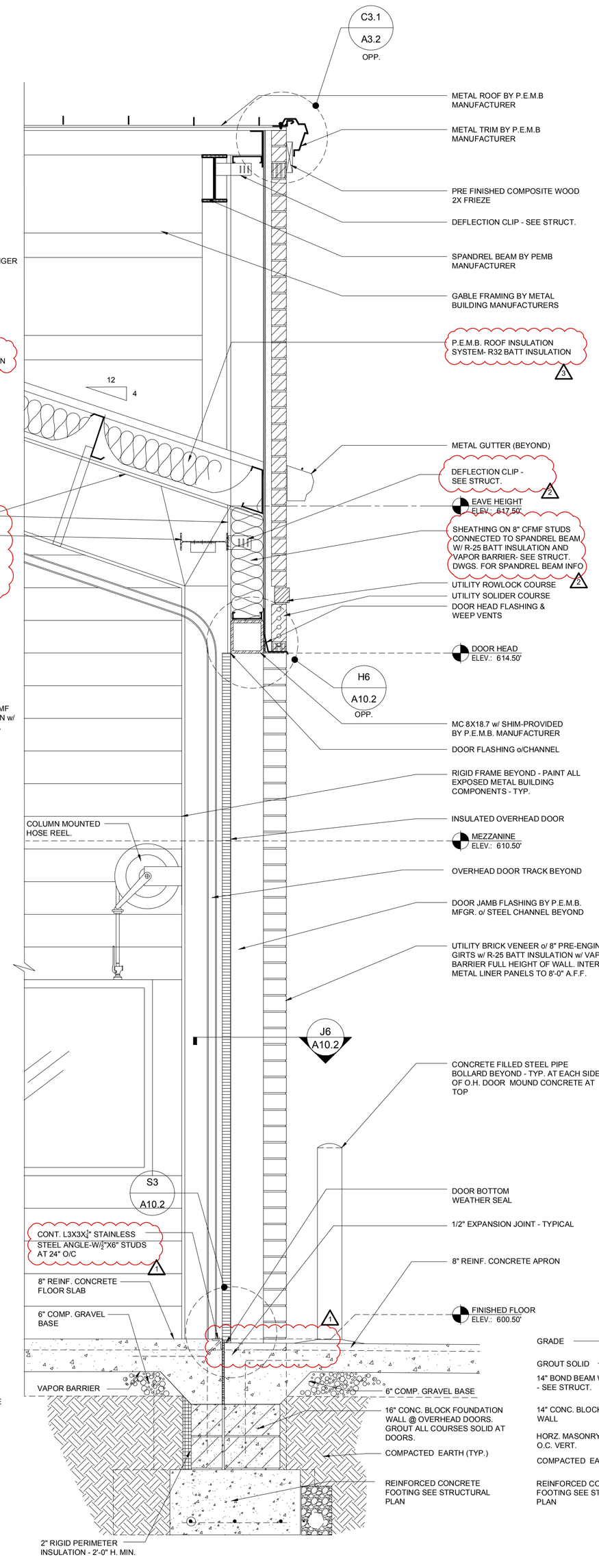
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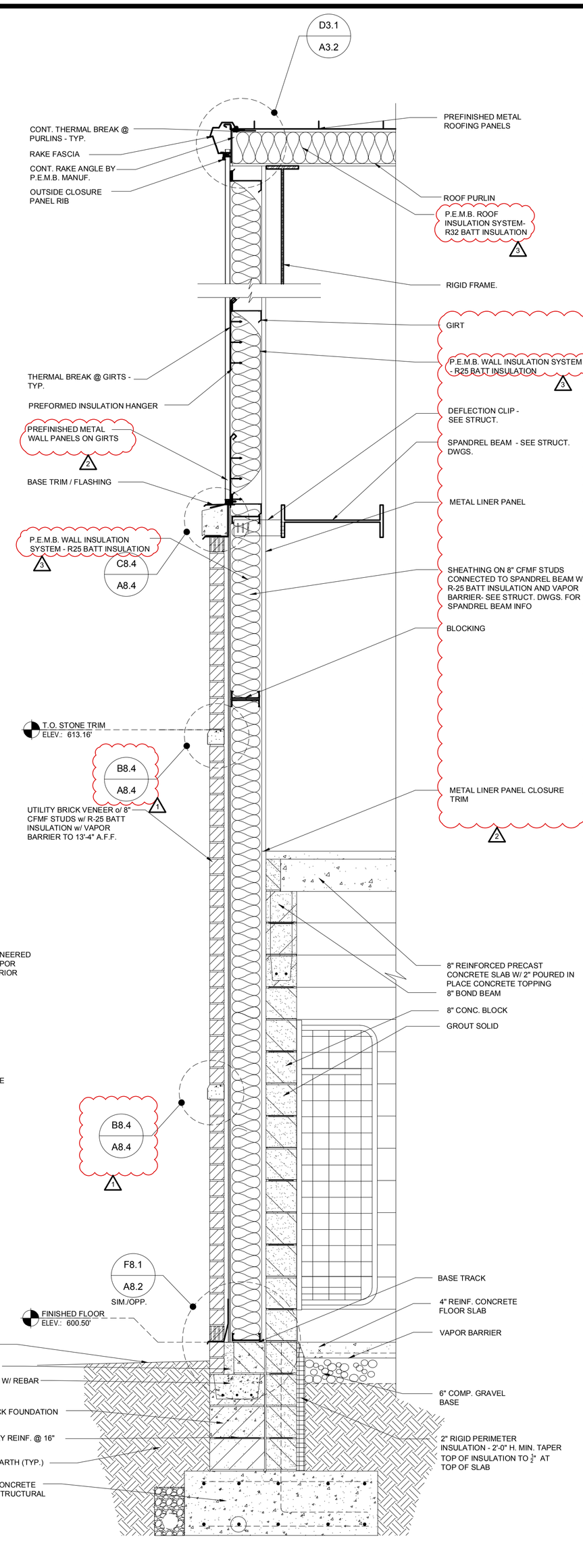
A7.1



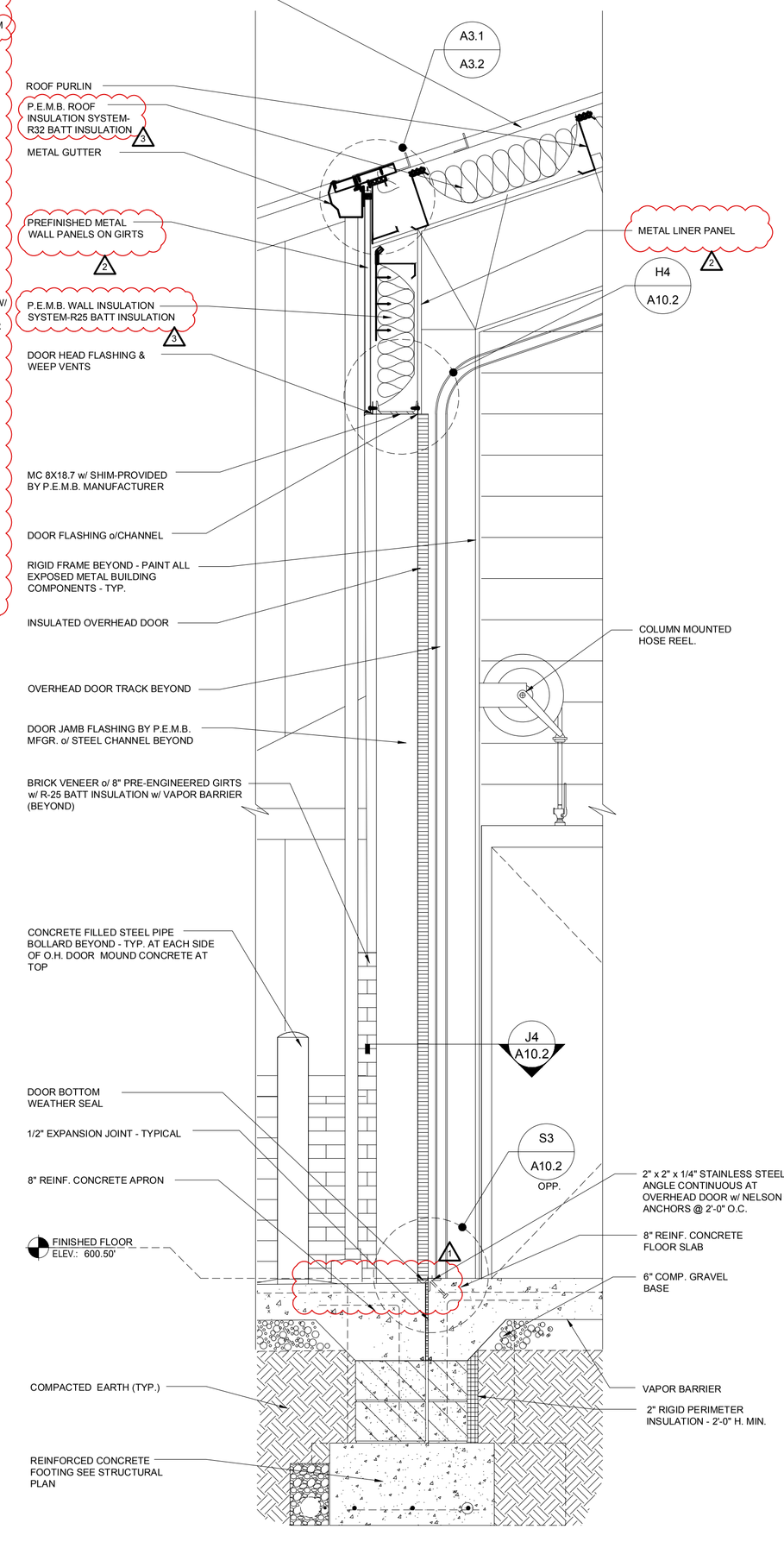
A7.1 / A8.1 WALL SECTION
SCALE: 3/4"=1'-0"



B7.1 / A8.1 WALL SECTION
SCALE: 3/4"=1'-0"



C7.1 / A8.1 WALL SECTION
SCALE: 3/4"=1'-0"



D7.1 / A8.1 WALL SECTION
SCALE: 3/4"=1'-0"

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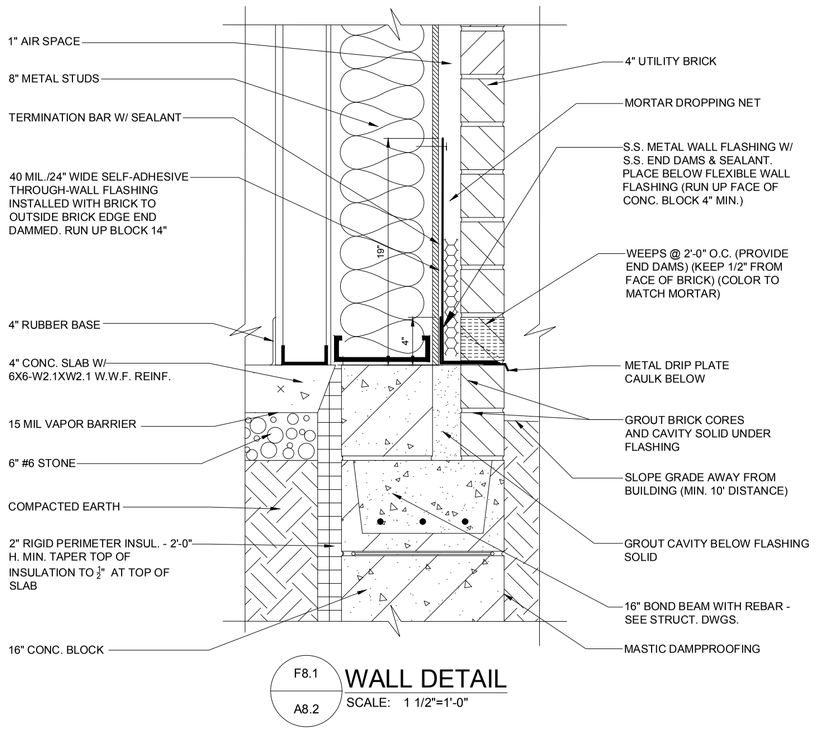
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2	2021-07-07
3	2021-07-09

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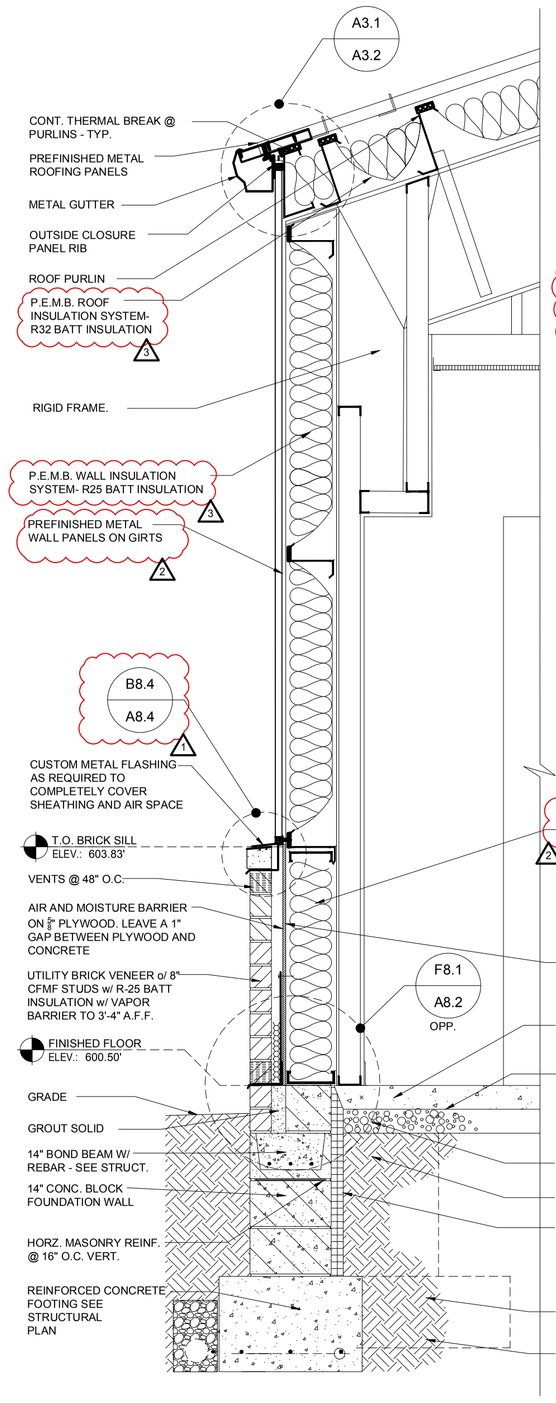
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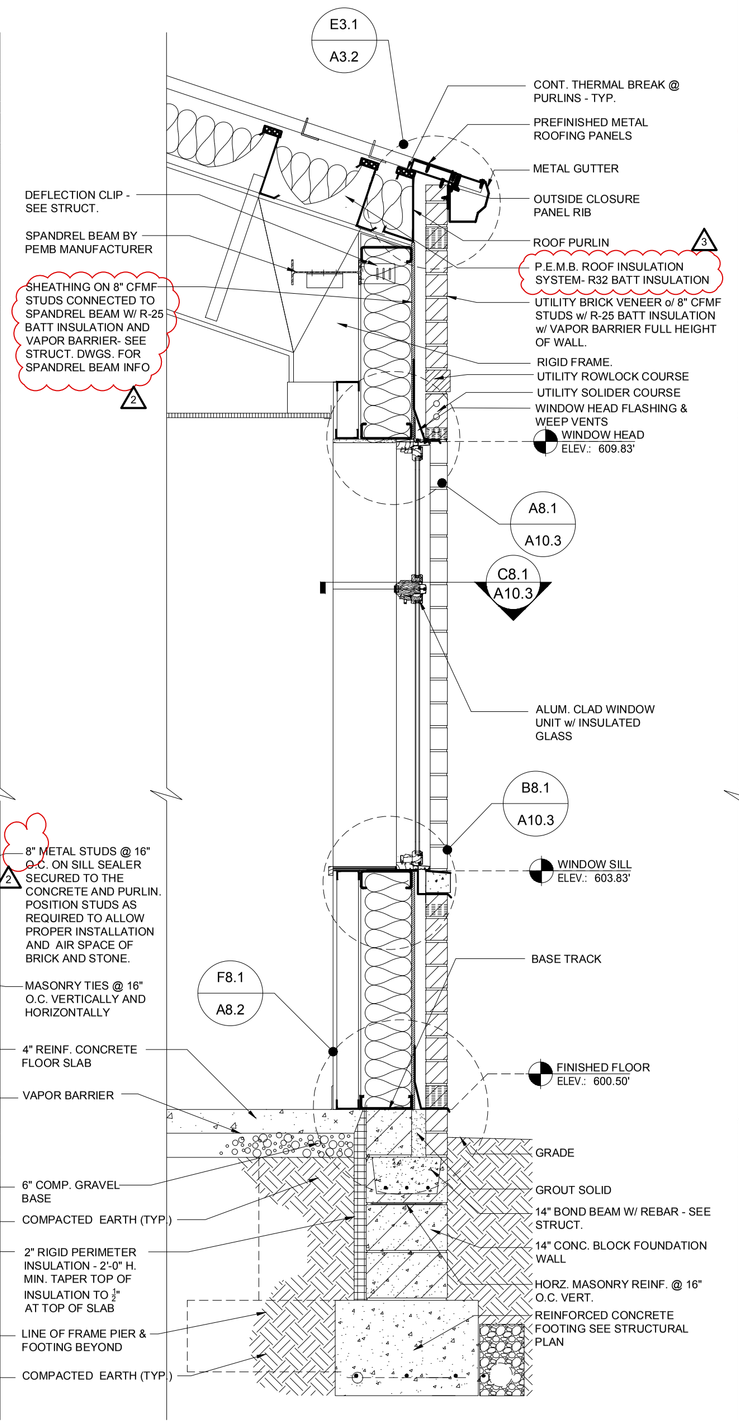
A8.1



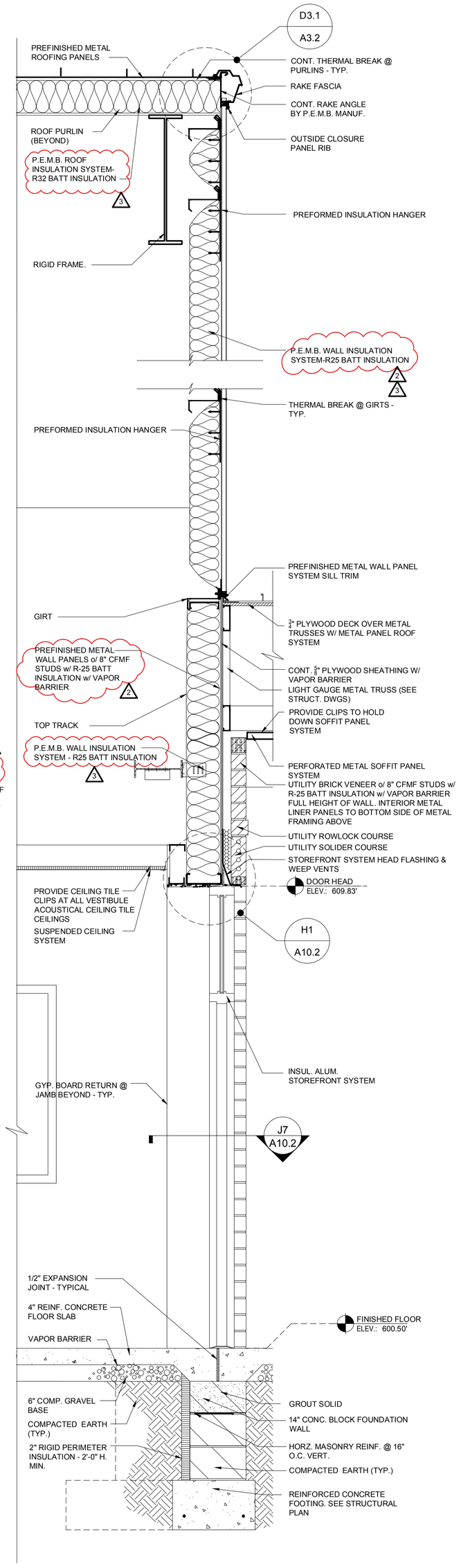
F8.1 / A8.2 **WALL DETAIL**
SCALE: 1 1/2"=1'-0"



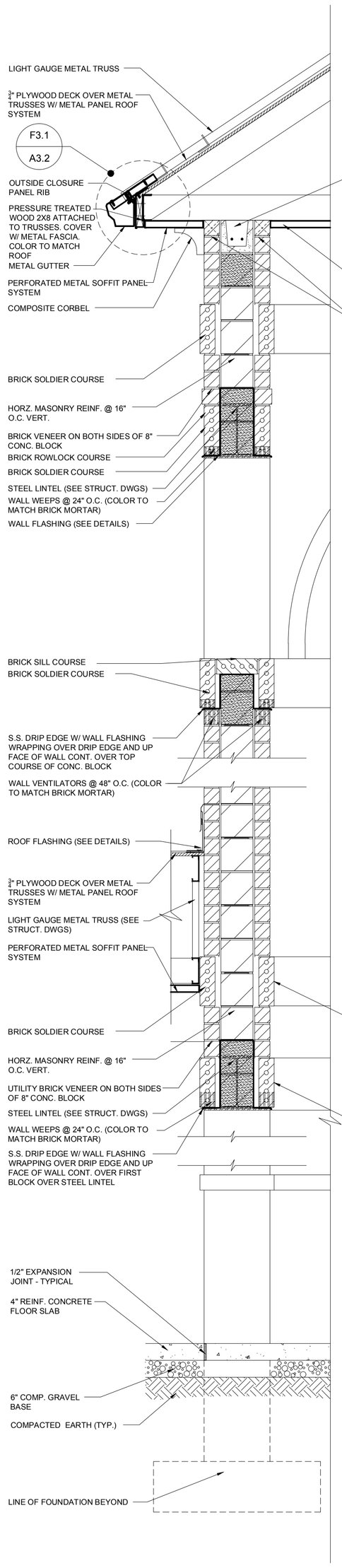
A7.2 / A8.2 **WALL SECTION**
SCALE: 3/4"=1'-0"



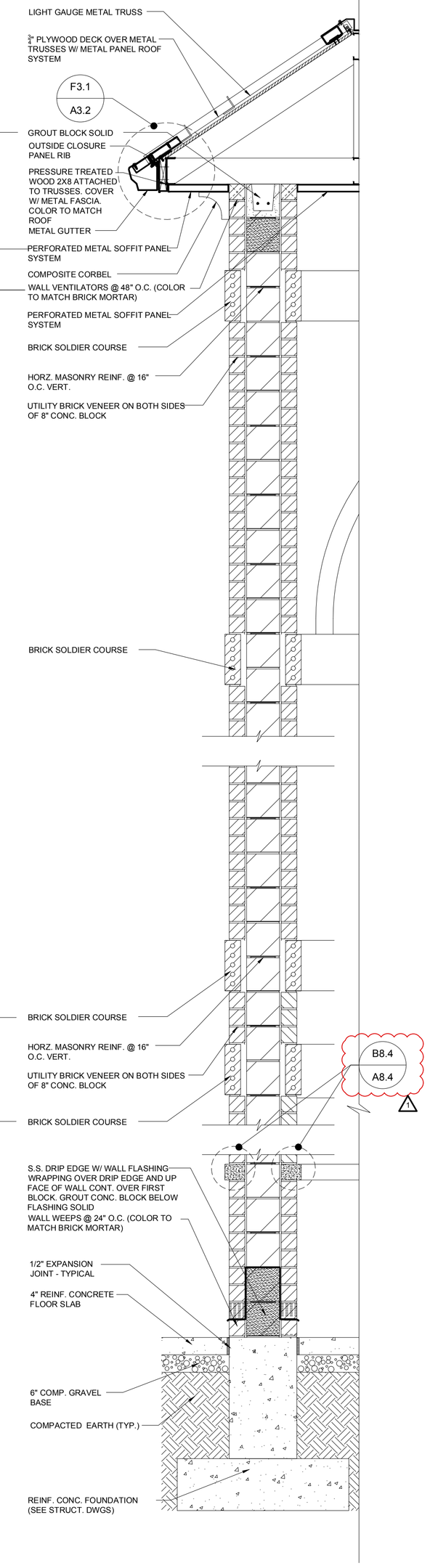
B7.2 / A8.2 **WALL SECTION**
SCALE: 3/4"=1'-0"



C7.2 / A8.2 **WALL SECTION**
SCALE: 3/4"=1'-0"



D7.2 / A8.2 **WALL SECTION**
SCALE: 3/4"=1'-0"



E7.2 / A8.2 **WALL SECTION**
SCALE: 3/4"=1'-0"

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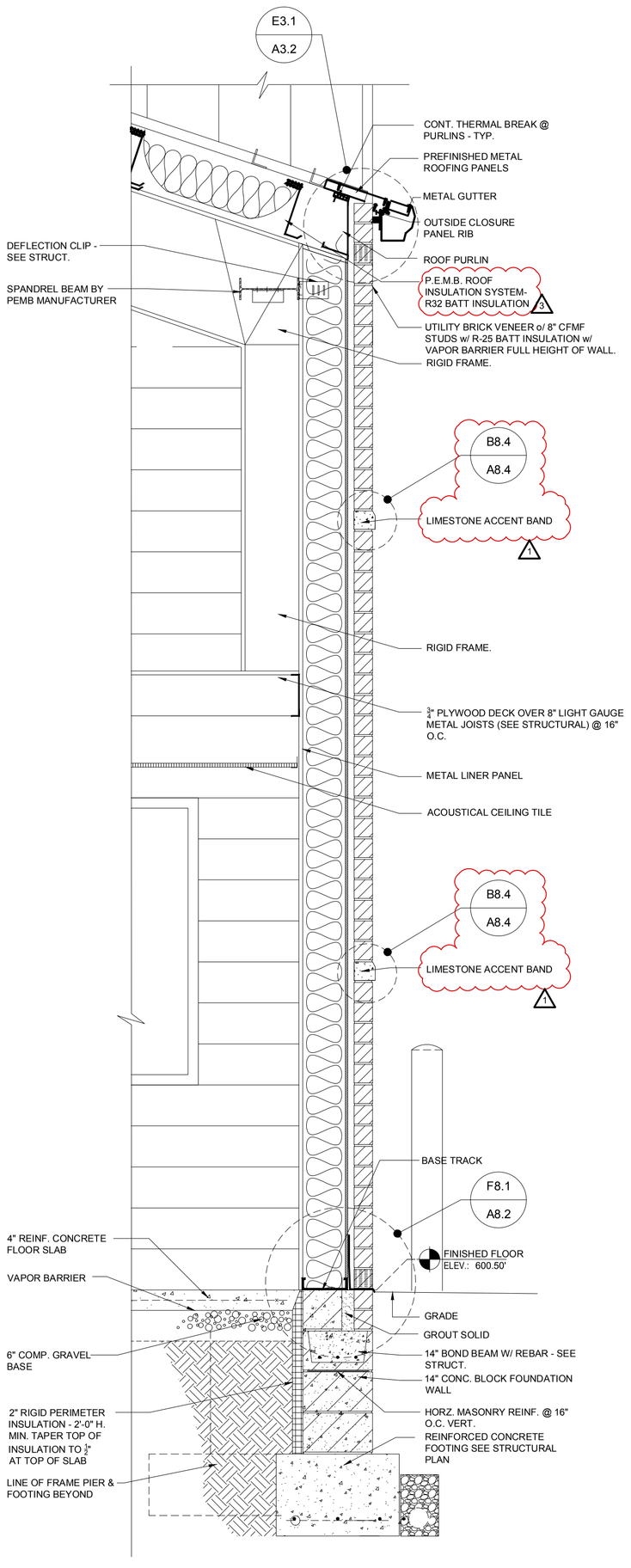
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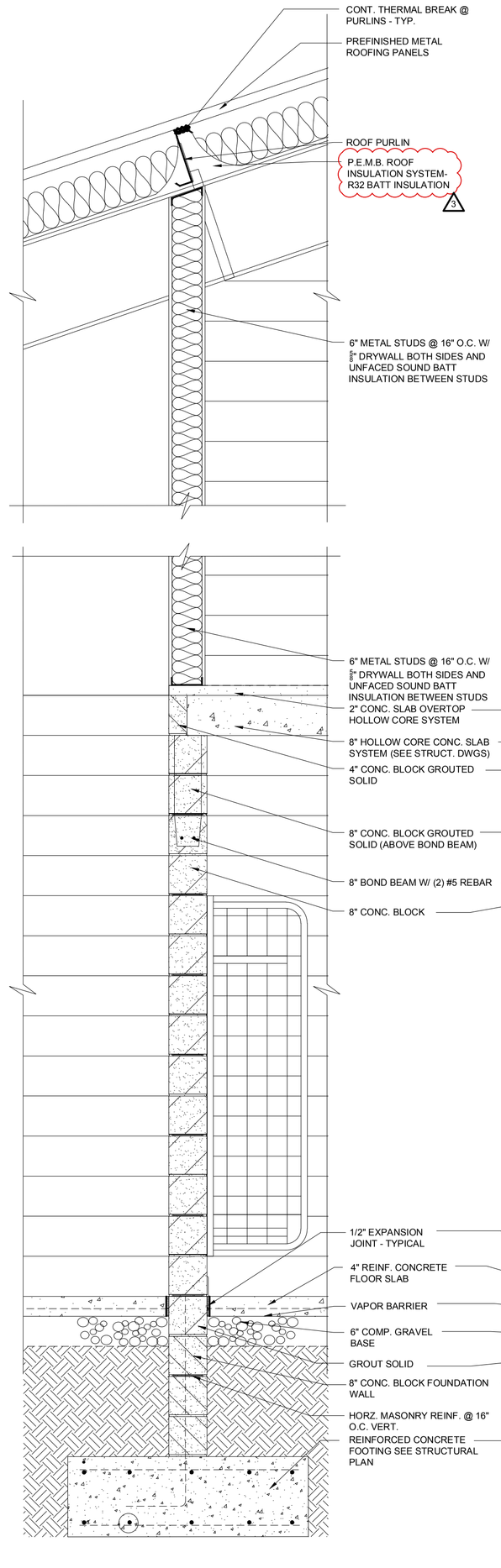
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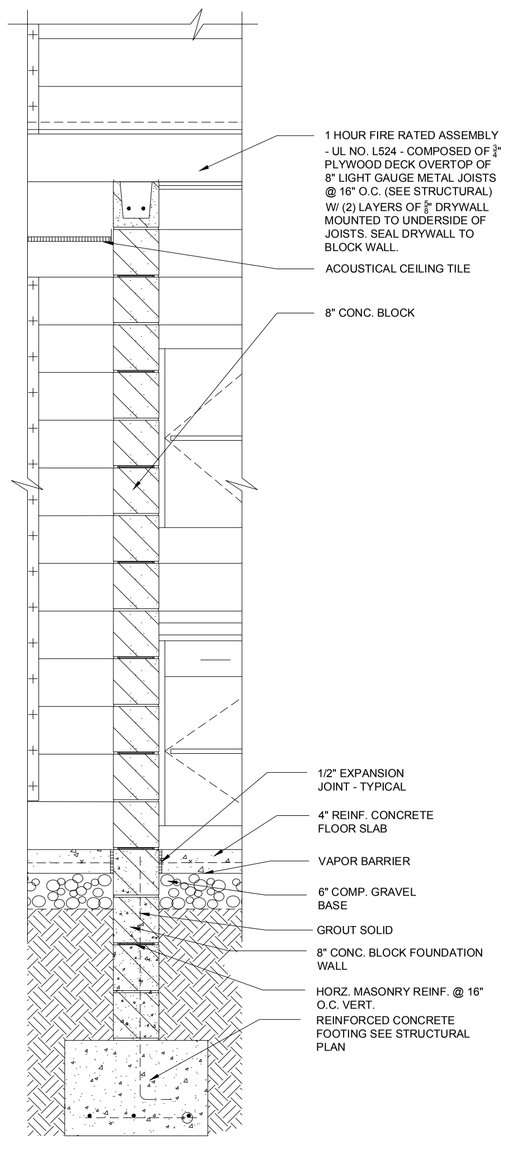
A8.2



A7.3 / A8.3 WALL SECTION
SCALE: 3/4"=1'-0"



B7.3 / A8.3 WALL SECTION
SCALE: 3/4"=1'-0"



C7.3 / A8.3 WALL SECTION
SCALE: 3/4"=1'-0"

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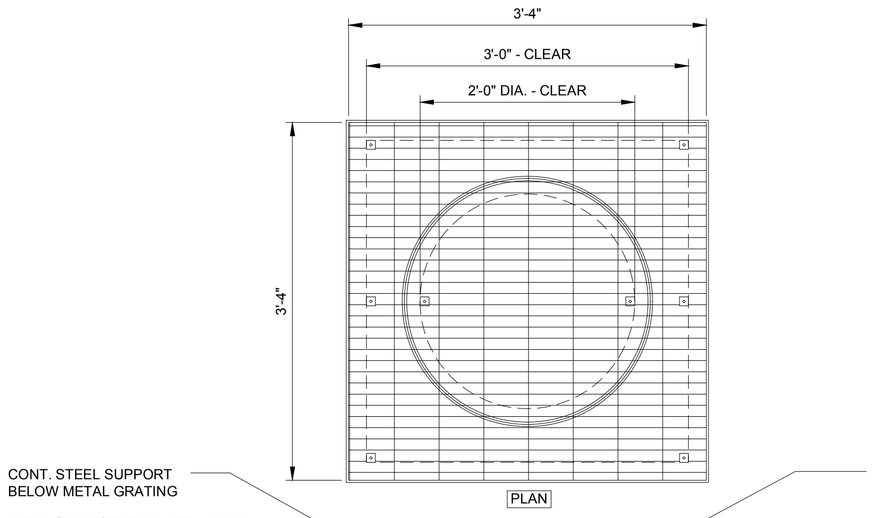
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ISSUE DATE: 06/17/21

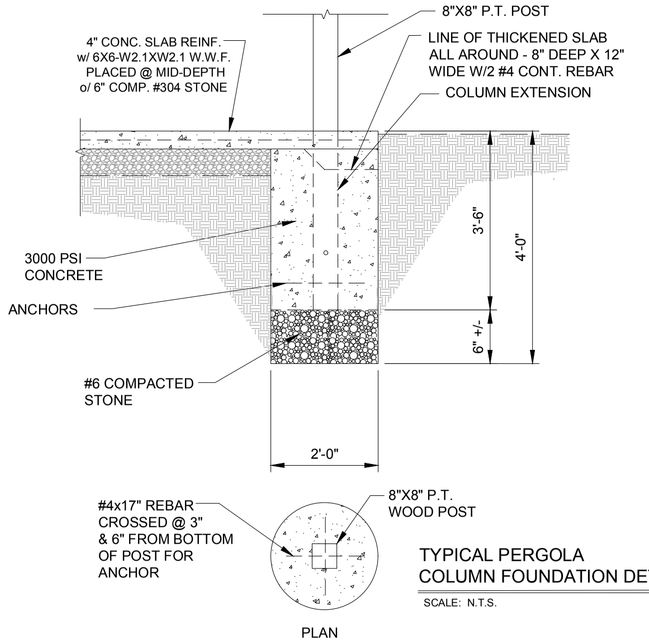
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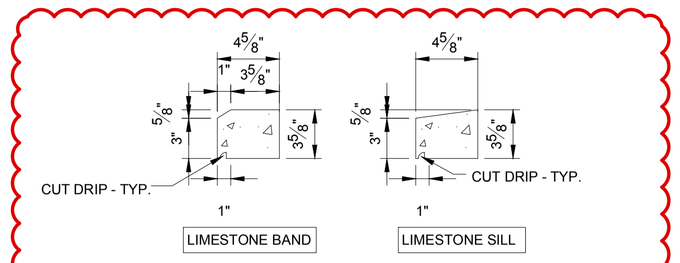
A8.3



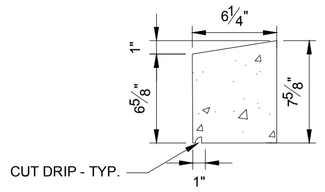
A1.2 / A8.4 **MEZZANINE FLOOR OPENING DETAIL**
SCALE: 1"=1'-0"



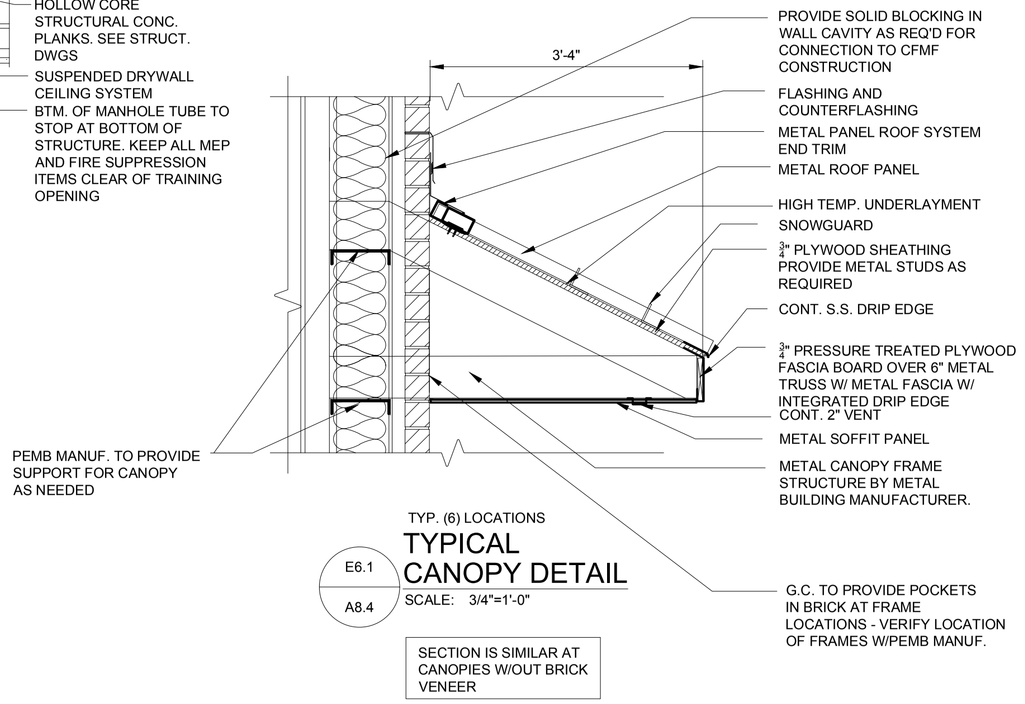
TYPICAL PERGOLA COLUMN FOUNDATION DETAIL
SCALE: N.T.S.



B8.4 / A8.4 **TYPICAL WINDOW SILL/BAND CUT STONE PROFILE**
SCALE: 1 1/2"=1'-0"



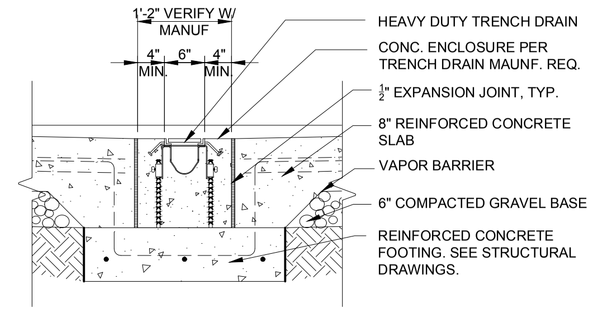
C8.4 / A8.4 **WATERTABLE CUT STONE PROFILE**
SCALE: 1 1/2"=1'-0"



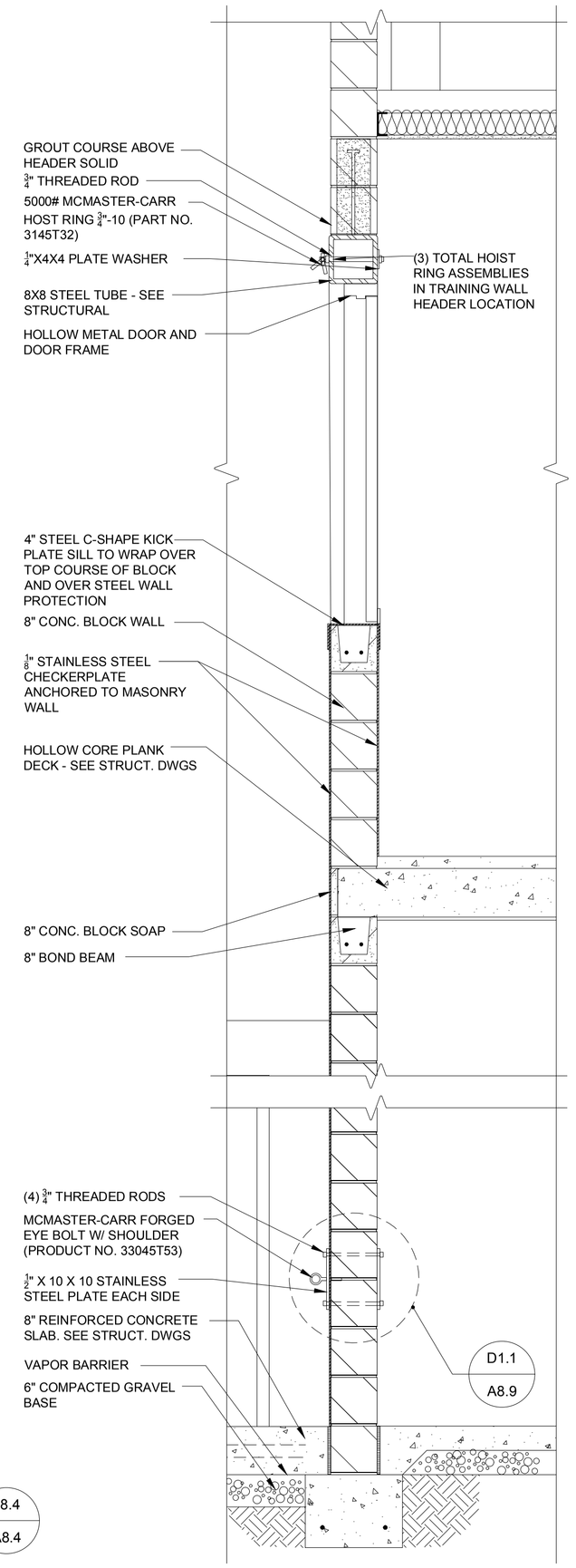
TYP. (6) LOCATIONS

E6.1 / A8.4 **TYPICAL CANOPY DETAIL**
SCALE: 3/4"=1'-0"

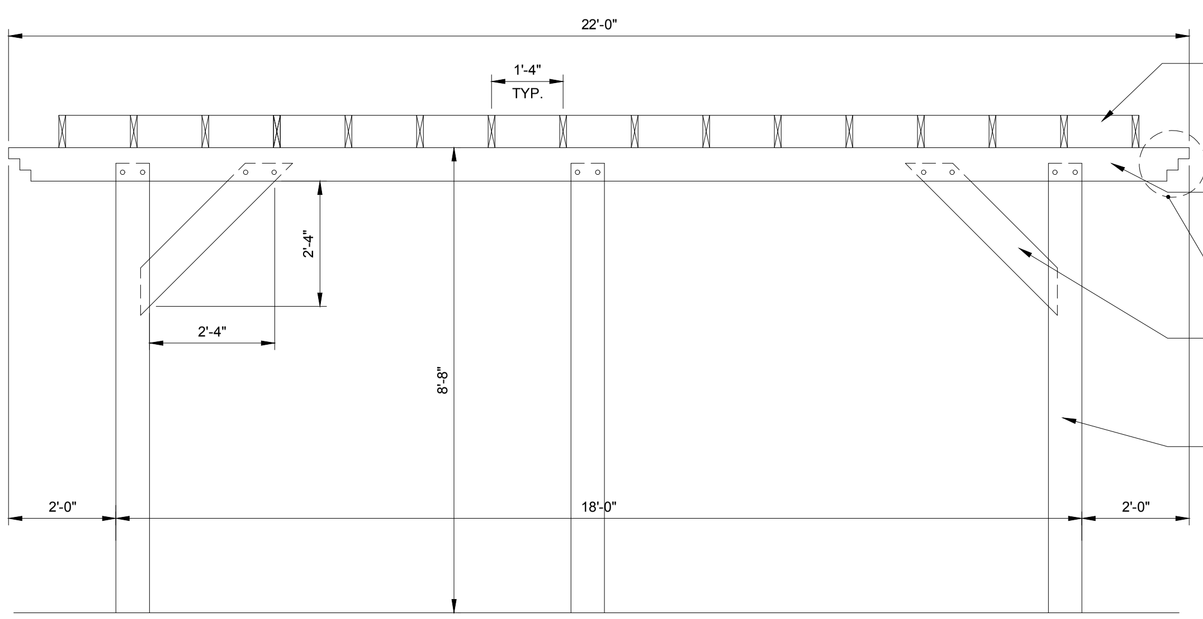
SECTION IS SIMILAR AT CANOPIES W/OUT BRICK VENEER



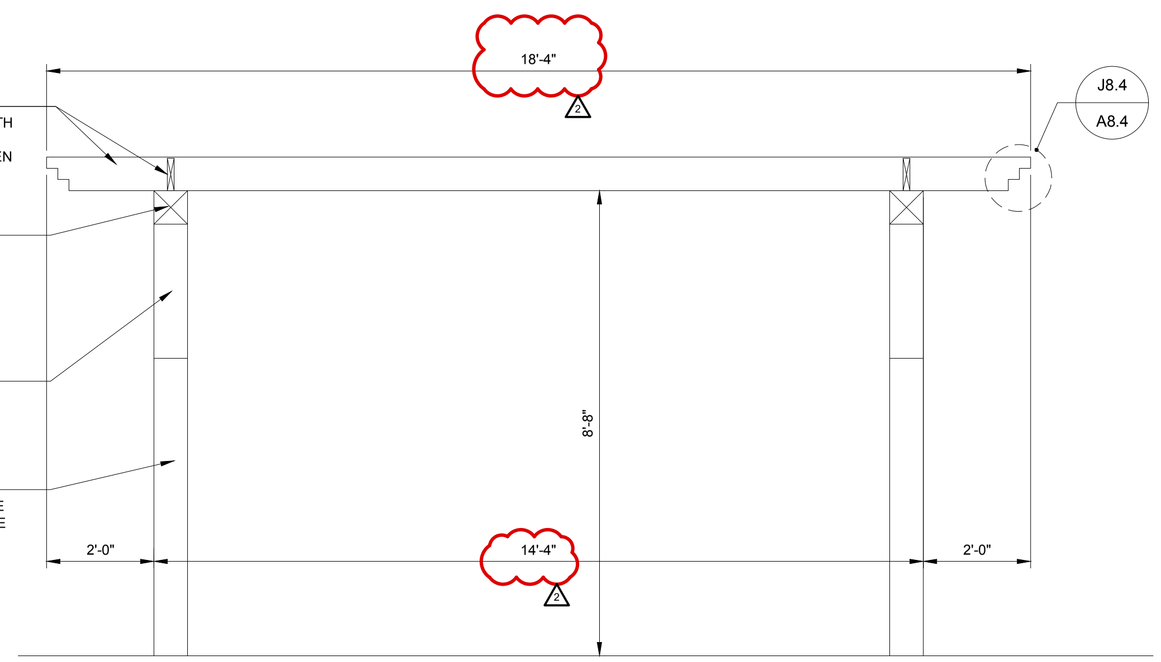
F7.1 / A8.4 **TYPICAL TRENCH DRAIN DETAIL**
SCALE: 3/4"=1'-0"



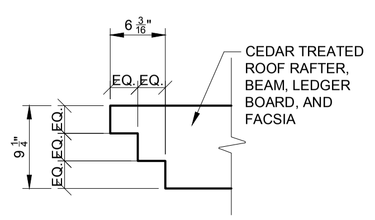
D1.2 / A8.4 **TRAINING WALL DETAIL**
SCALE: 3/4"=1'-0"



G1.1 / A8.4 **PERGOLA DETAIL**
SCALE: 1/2"=1'-0"



H1.1 / A8.4 **PERGOLA DETAIL**
SCALE: 1/2"=1'-0"



J8.4 / A8.4 **PERGOLA DETAIL**
SCALE: 1"=1'-0"

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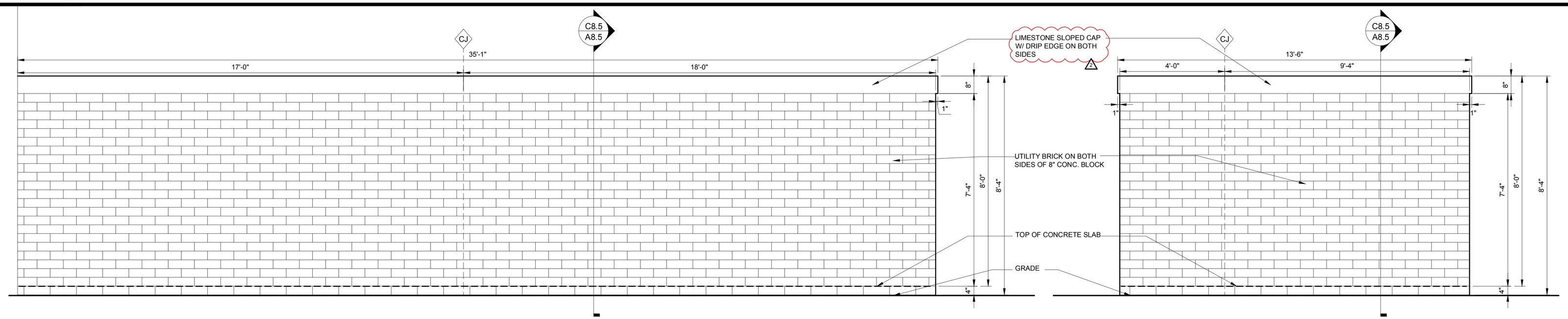
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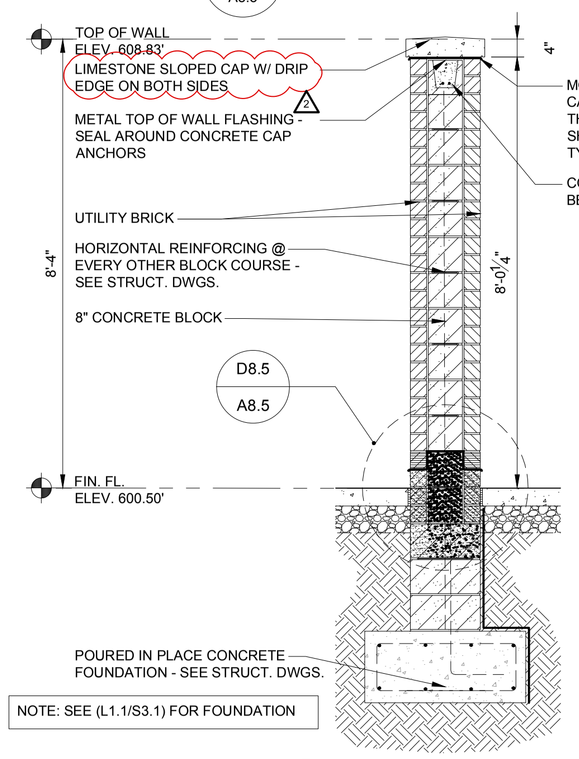
CONSTRUCTION DOCUMENTS

A8.4

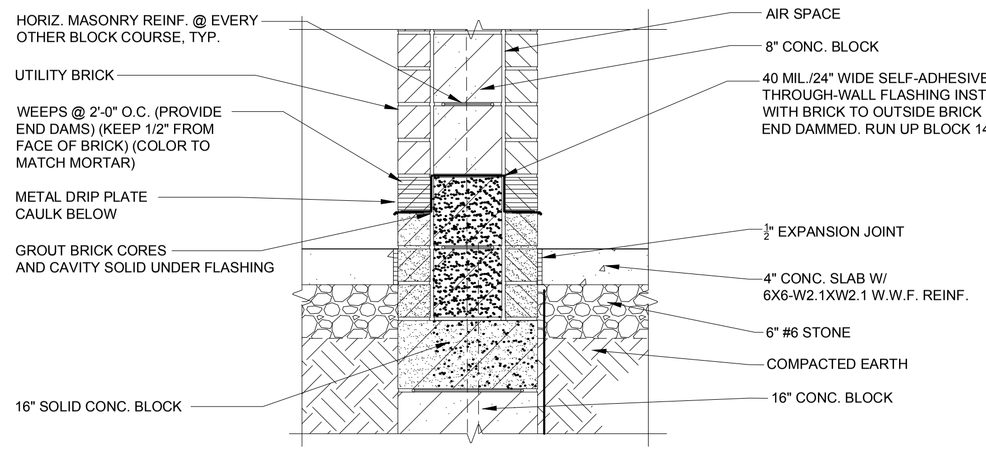


A1.1 / A8.5 **SCREEN WALL NORTH ELEVATION**
SCALE: 1/2"=1'-0"

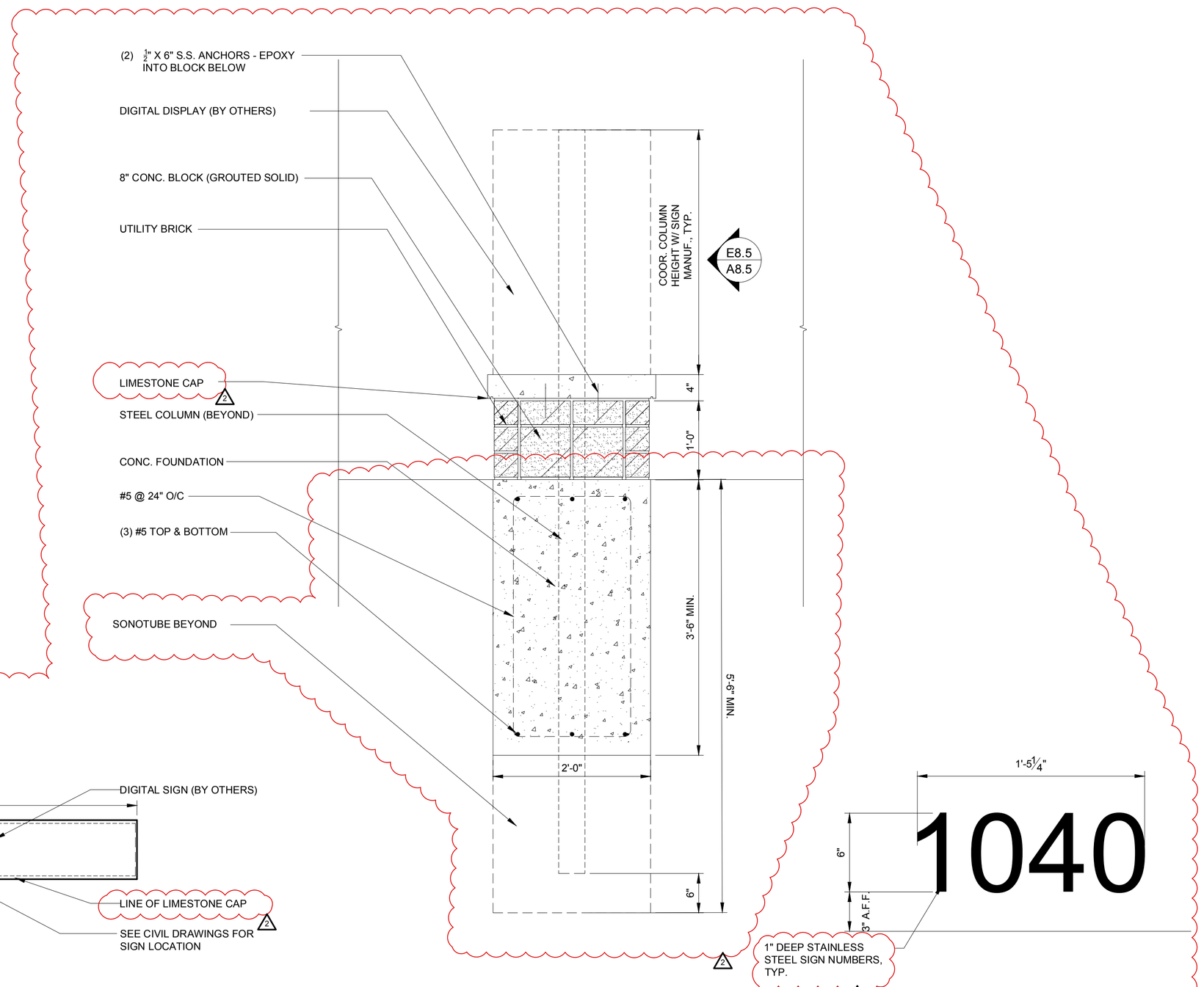
B1.1 / A8.5 **SCREEN WALL WEST ELEVATION**
SCALE: 1/2"=1'-0"



C8.5 / A8.5 **WALL SECTION**
SCALE: 1/2"=1'-0"

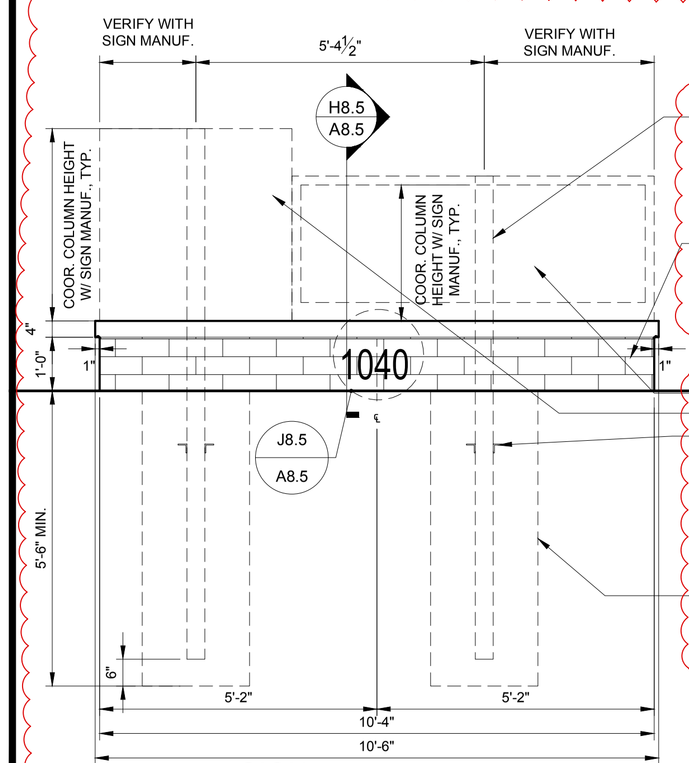


D8.5 / A8.5 **WALL DETAIL**
SCALE: 1"=1'-0"

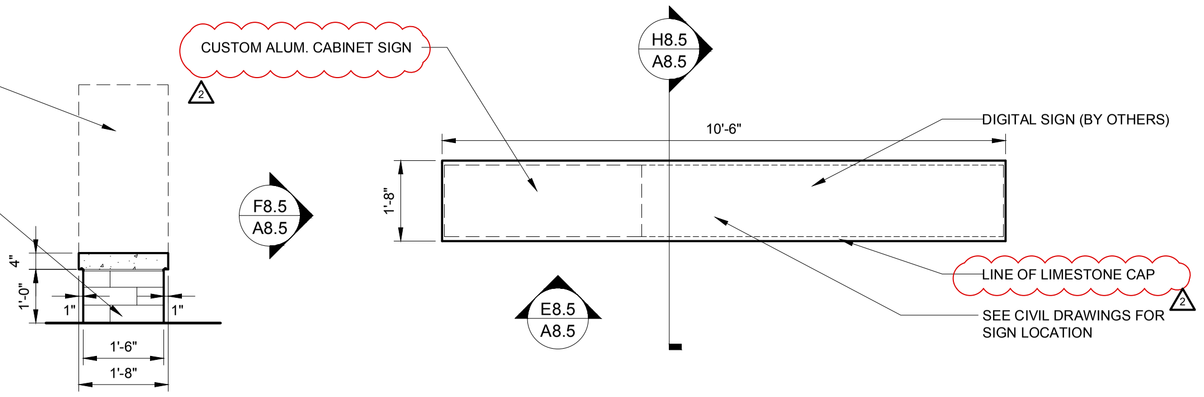


H8.5 / A8.5 **SIGN DISPLAY SECTION**
SCALE: 1"=1'-0"

J8.5 / A8.5 **ADDRESS NUMBERS DETAIL**
SCALE: 2"=1'-0"



E8.5 / A8.5 **SIGN DISPLAY ELEVATION**
SCALE: 1/2"=1'-0"



F8.5 / A8.5 **SIGN DISPLAY ELEVATION**
SCALE: 1/2"=1'-0"

G8.5 / A8.5 **SIGN DISPLAY PLAN**
SCALE: 1/2"=1'-0"

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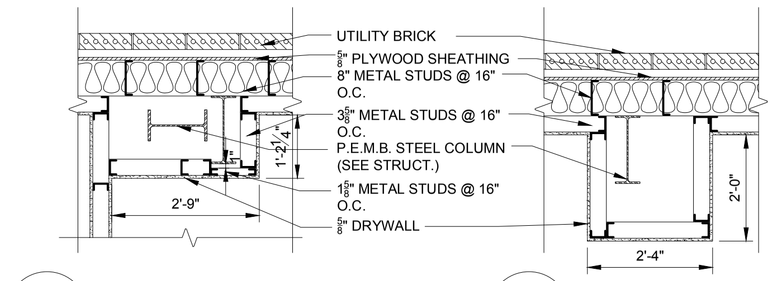
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2 2021-07-07

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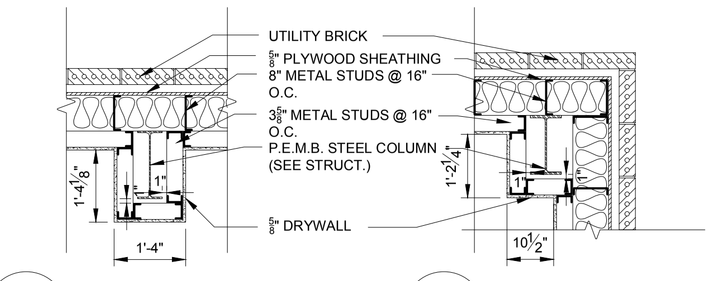
CONSTRUCTION DOCUMENTS

A8.5



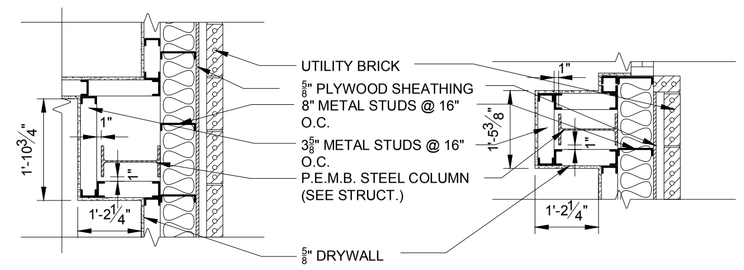
A1.1 / A8.10 COLUMN DETAIL
SCALE: 1/2"=1'-0"

B1.1 / A8.10 COLUMN DETAIL
SCALE: 1/2"=1'-0"



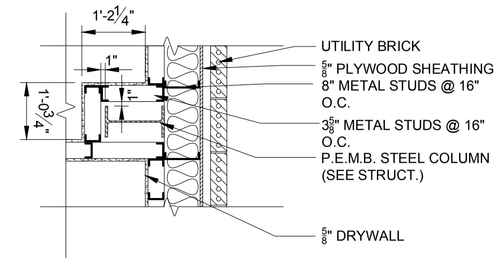
C1.1 / A8.10 COLUMN DETAIL
SCALE: 1/2"=1'-0"

D1.1 / A8.10 COLUMN DETAIL
SCALE: 1/2"=1'-0"

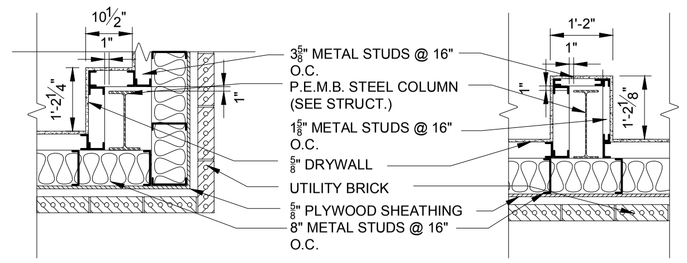


E1.1 / A8.10 COLUMN DETAIL
SCALE: 1/2"=1'-0"

F1.1 / A8.10 COLUMN DETAIL
SCALE: 1/2"=1'-0"

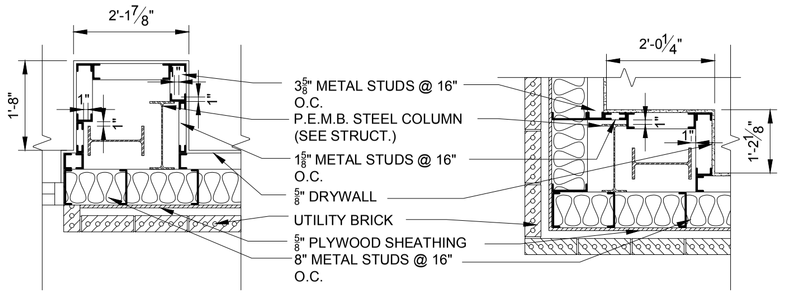


G1.1 / A8.10 COLUMN DETAIL
SCALE: 1/2"=1'-0"



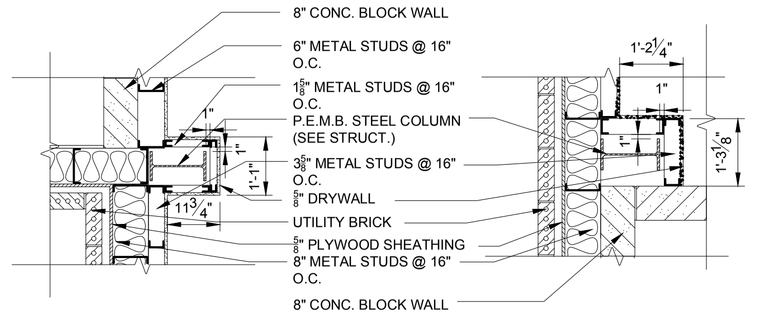
H1.1 / A8.10 COLUMN DETAIL
SCALE: 1/2"=1'-0"

J1.1 / A8.10 COLUMN DETAIL
SCALE: 1/2"=1'-0"



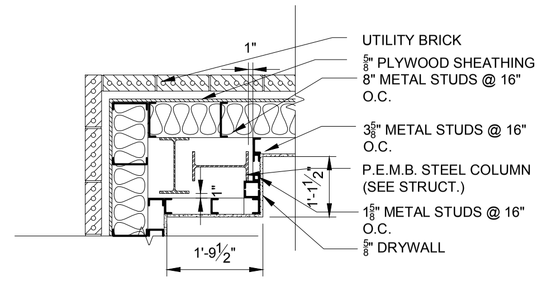
K1.1 / A8.10 COLUMN DETAIL
SCALE: 1/2"=1'-0"

L1.1 / A8.10 COLUMN DETAIL
SCALE: 1/2"=1'-0"

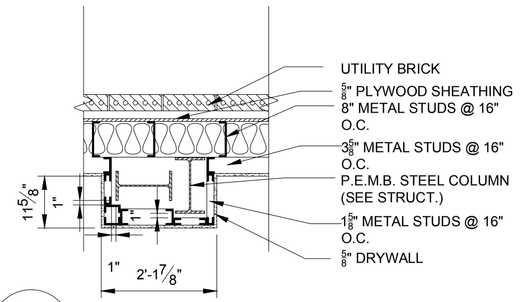


M1.1 / A8.10 COLUMN DETAIL
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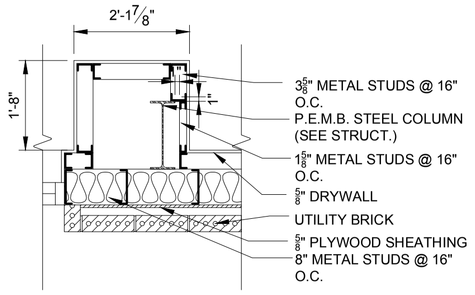
N1.1 / A8.10 COLUMN DETAIL
SCALE: 1/2"=1'-0"



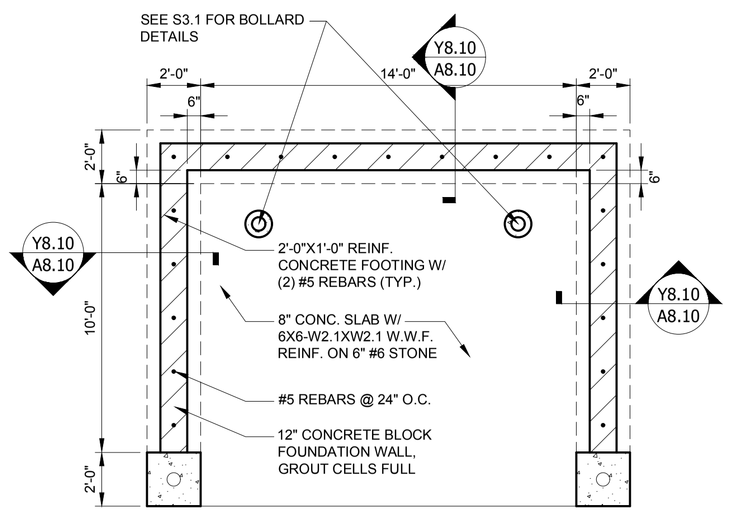
P1.1 / A8.10 COLUMN DETAIL
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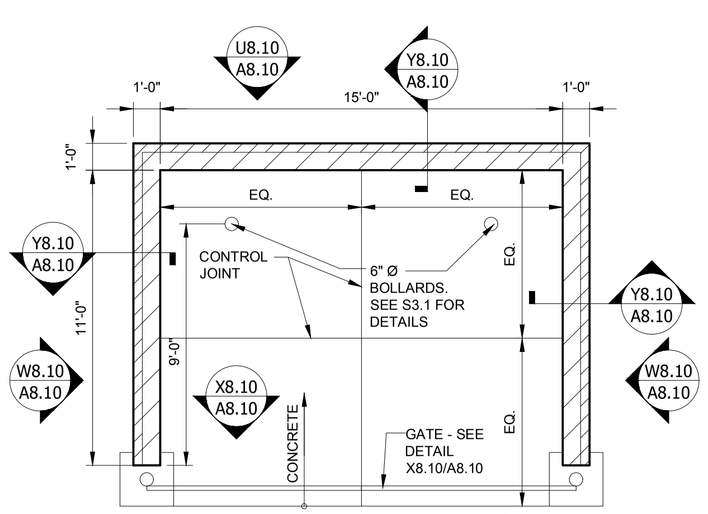
Q1.1 / A8.10 COLUMN DETAIL
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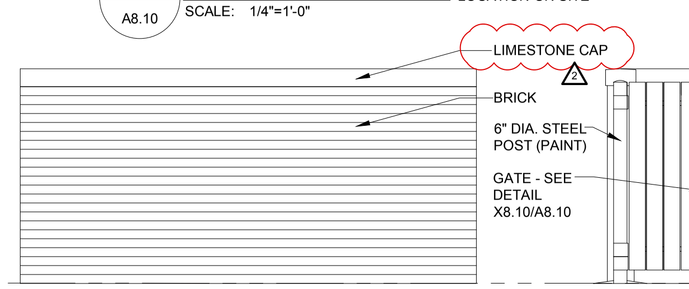
R1.1 / A8.10 COLUMN DETAIL
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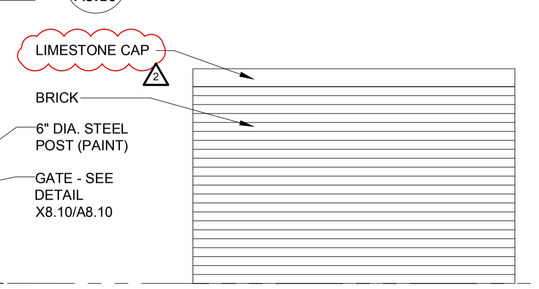
S8.10 / A8.10 FOUNDATION PLAN SEE CIVIL DWGS. FOR LOCATION ON SITE
SCALE: 1/4"=1'-0"



T8.10 / A8.10 FLOOR PLAN
SCALE: 1/4"=1'-0"

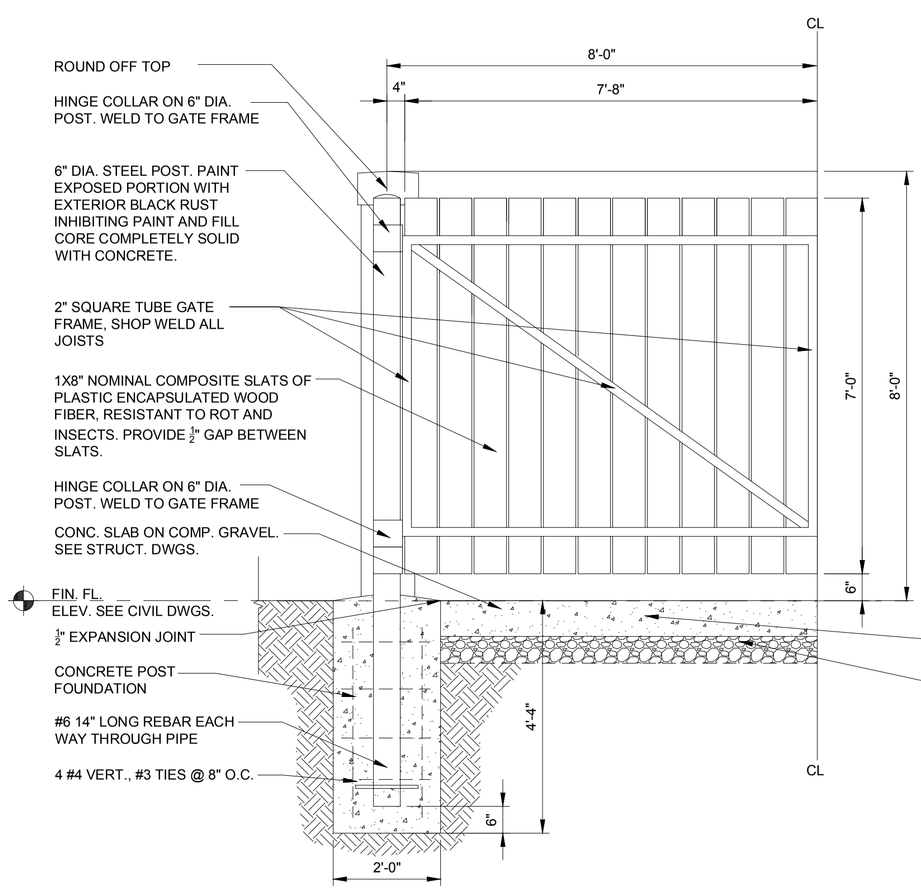


U8.10 / A8.10 ELEVATION
SCALE: 1/4"=1'-0"

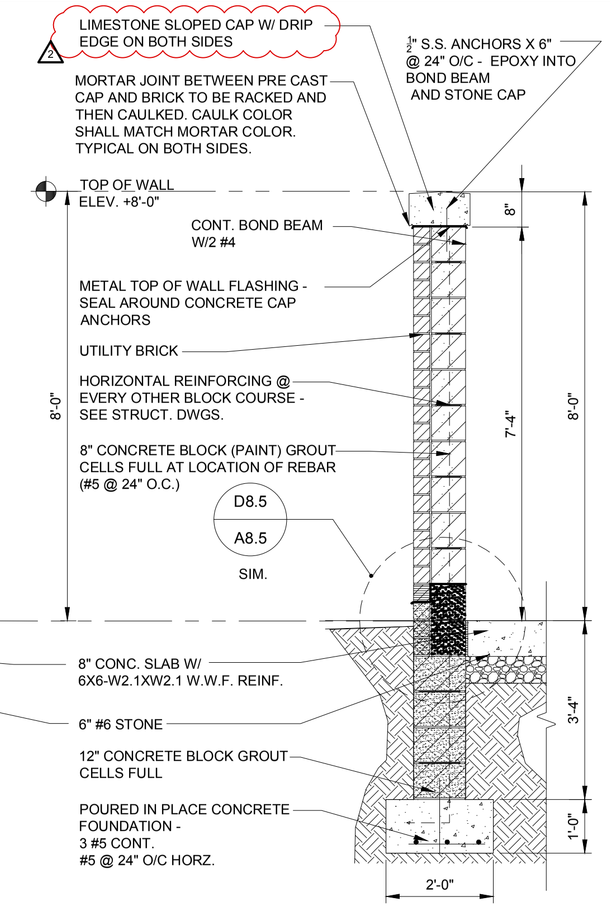


V8.10 / A8.10 ELEVATION
SCALE: 1/4"=1'-0"

W8.10 / A8.10 ELEVATION (2 SIDES)
SCALE: 1/4"=1'-0"



X8.10 / A8.10 GATE POST DETAIL
SCALE: 1/2"=1'-0"



Y8.10 / A8.10 WALL SECTION
SCALE: 1/2"=1'-0"

STATE OF OHIO
KENT D. BUEHRER
11087
REGISTERED ARCHITECT
KENT D. BUEHRER, LICENSE #11087
EXPIRATION DATE 12/31/21
SIGNATURE DATE 06/17/21

NEW CENTRAL FIRE STATION
FOR
OREGON FIRE DEPARTMENT
1040 S. WYNN ROAD
OREGON, OHIO

BUEHRERGROUP
architecture & engineering, inc.
314 CONANT ST., MAUMEE, OH 43537 | P 419.893.9021 F 419.893.9027 | BUEHRERGROUP.COM

REVISION SCHEDULE

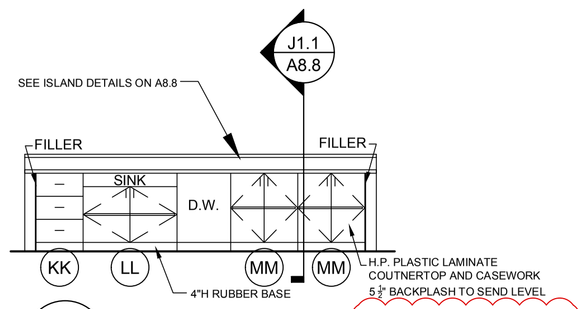
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ISSUE DATE: 06/17/21

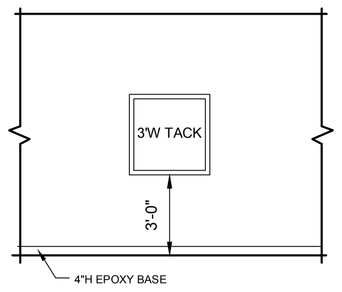
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CONSTRUCTION DOCUMENTS

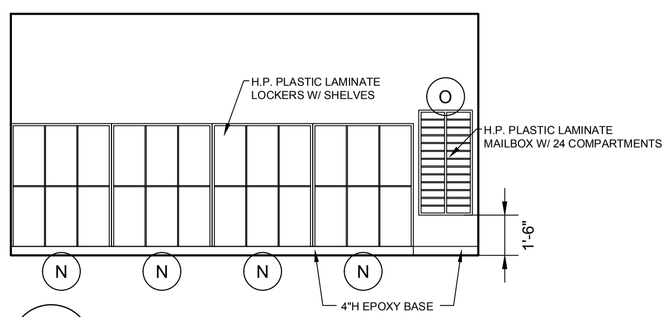
A8.10



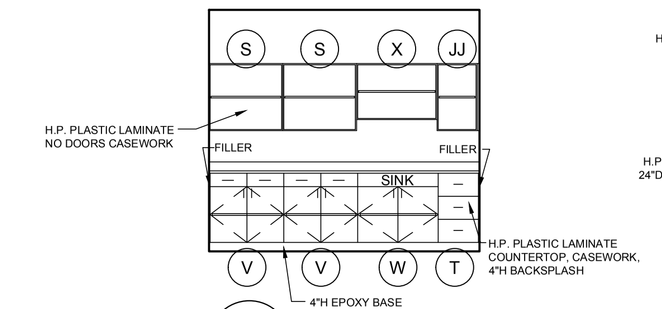
1 / A9.4 KITCHEN 117
SCALE: 1/4"=1'-0"



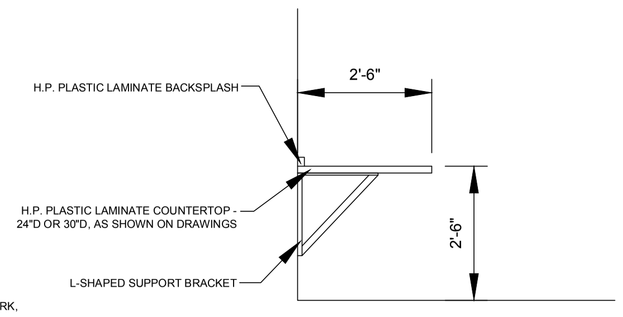
3 / A9.4 LOCKERS 123
SCALE: 1/4"=1'-0"



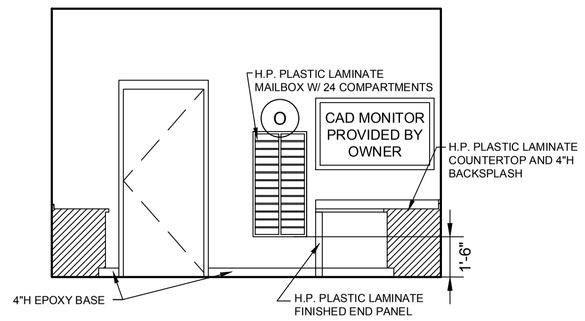
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SCALE: 1/4"=1'-0"



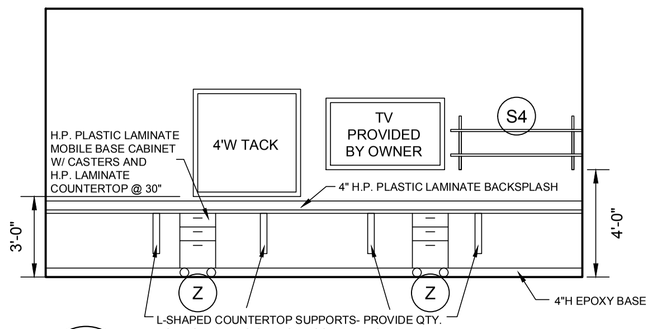
6 / A9.4 LAUNDRY 125
SCALE: 1/4"=1'-0"



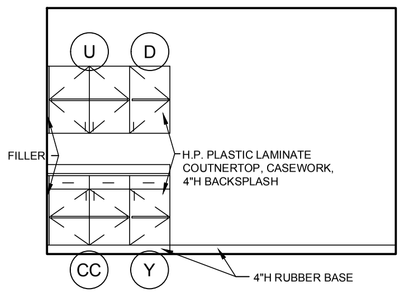
8 / A9.4 OFFICE BUILT-INS COUNTERTOP SECTION
SCALE: 1/2"=1'-0"



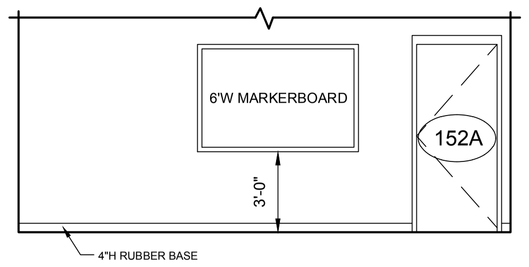
9 / A9.4 WATCH ROOM 135
SCALE: 1/4"=1'-0"



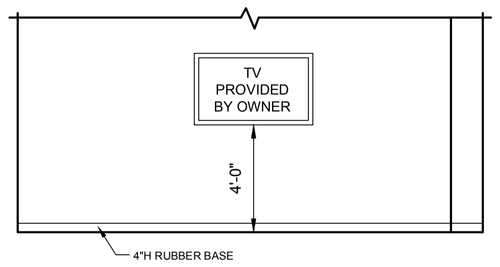
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SCALE: 1/4"=1'-0"



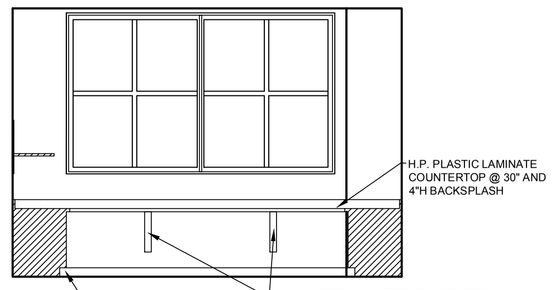
12 / A9.4 LAUNDRY 146
SCALE: 1/4"=1'-0"



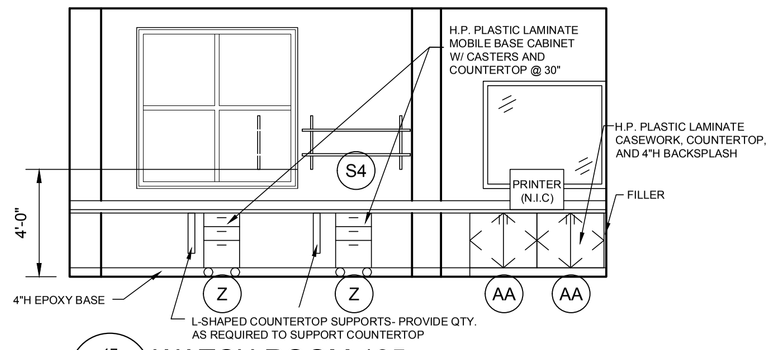
14 / A9.4 FITNESS 152
SCALE: 1/4"=1'-0"



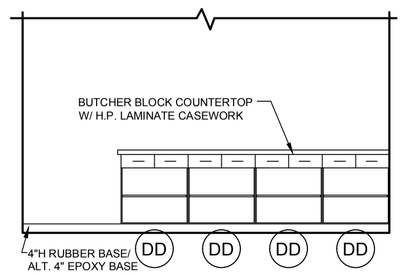
15 / A9.4 FITNESS 152
SCALE: 1/4"=1'-0"



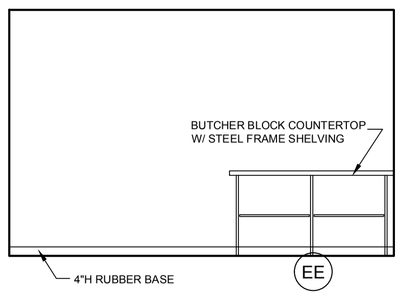
16 / A9.4 WATCH ROOM 135
SCALE: 1/4"=1'-0"



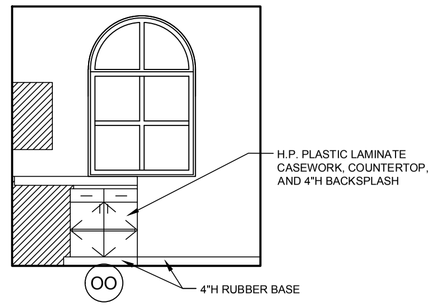
17 / A9.4 WATCH ROOM 135
SCALE: 1/4"=1'-0"



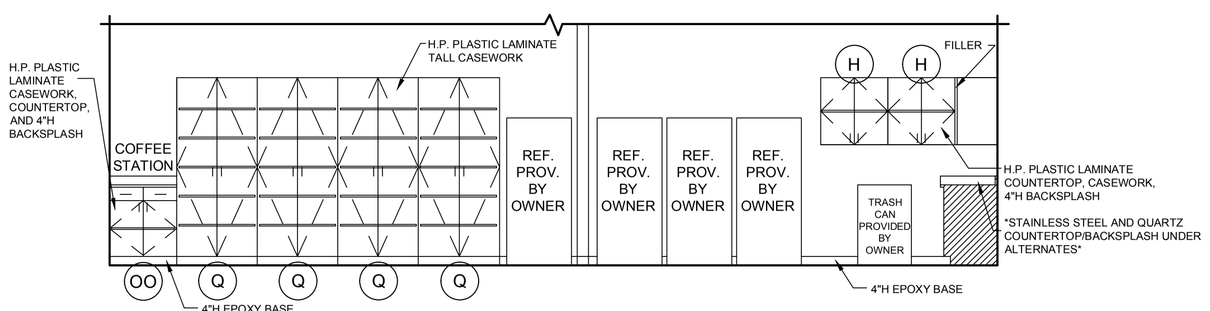
18 / A9.4 TOOLS 145
SCALE: 1/4"=1'-0"



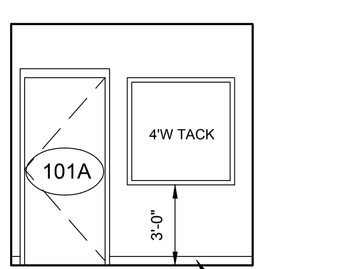
19 / A9.4 SCBA 147
SCALE: 1/4"=1'-0"



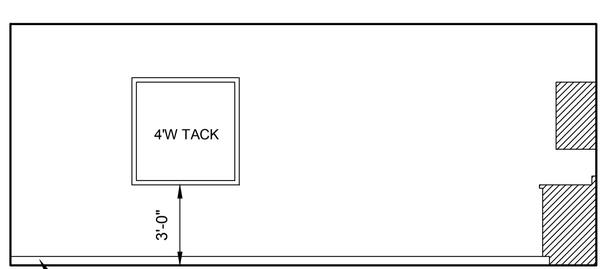
21 / A9.4 WORK ALCOVE 108
SCALE: 1/4"=1'-0"



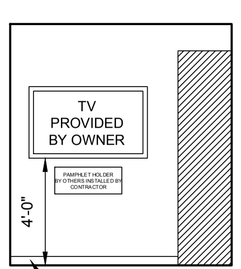
22 / A9.4 DAY ROOM 116/KITCHEN 117
SCALE: 1/4"=1'-0"



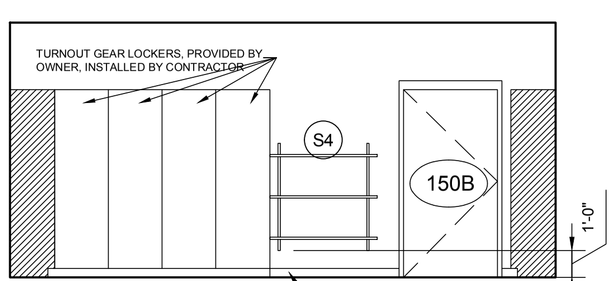
23 / A9.4 VEST. 100
SCALE: 1/4"=1'-0"



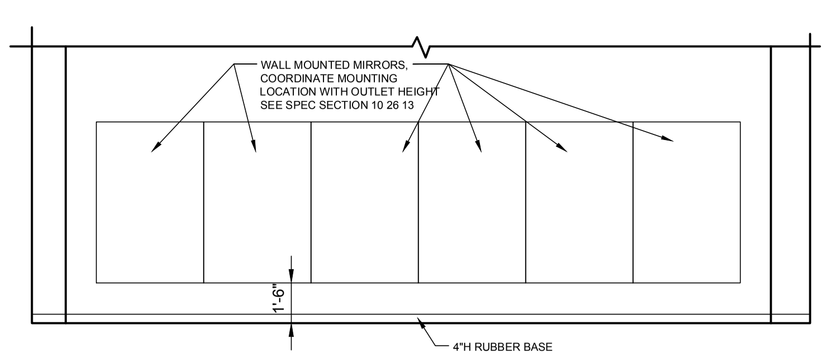
24 / A9.4 CONF. 115
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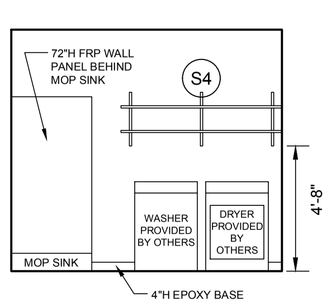
25 / A9.4 LOBBY 102
SCALE: 1/4"=1'-0"



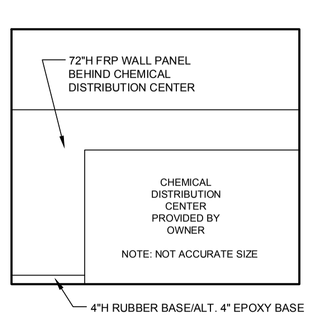
26 / A9.4 STORAGE 150
SCALE: 1/4"=1'-0"



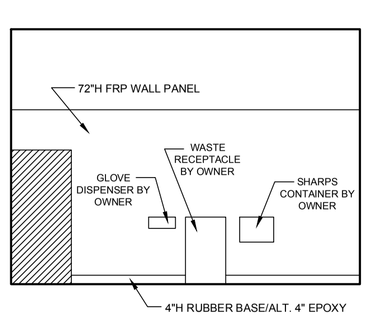
27 / A9.4 FITNESS 152
SCALE: 1/4"=1'-0"



28 / A9.4 LAUNDRY 125
SCALE: 1/4"=1'-0"



29 / A9.4 DECON ALCOVE 139
SCALE: 1/4"=1'-0"



30 / A9.4 DECON ALCOVE 139
SCALE: 1/4"=1'-0"

NEW CENTRAL FIRE STATION
FOR
OREGON FIRE DEPARTMENT
1040 S. WYNN ROAD
OREGON, OHIO

BUEHRERGROUP
architecture & engineering, inc.
314 CONANT ST., MAUMEE, OH 43537 | P 419.893.9021 F 419.893.9027 | BUEHRERGROUP.COM

REVISION SCHEDULE

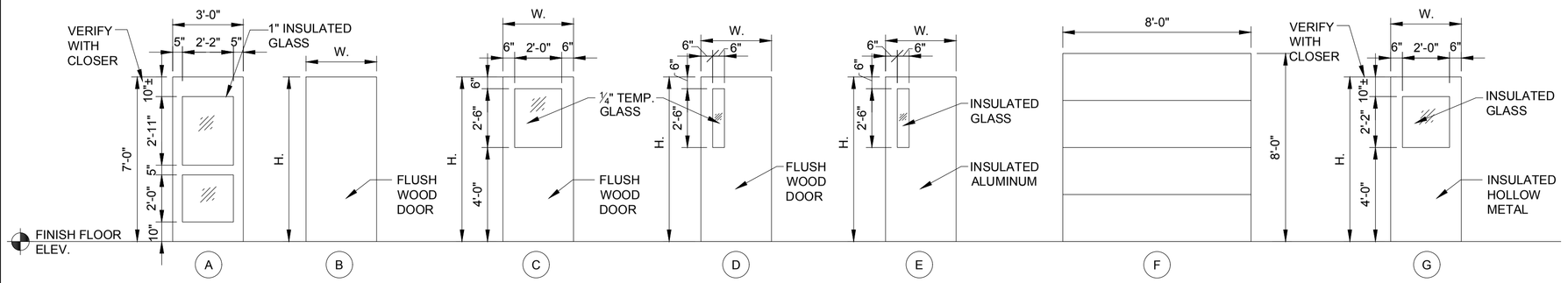
1	07/07/21

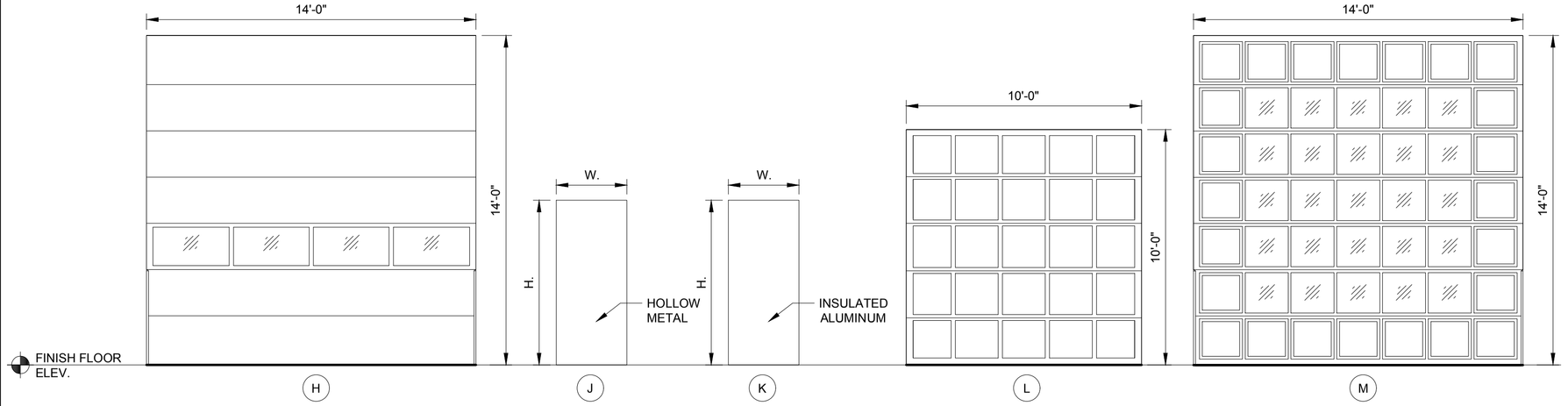
ISSUE DATE: 06/17/21

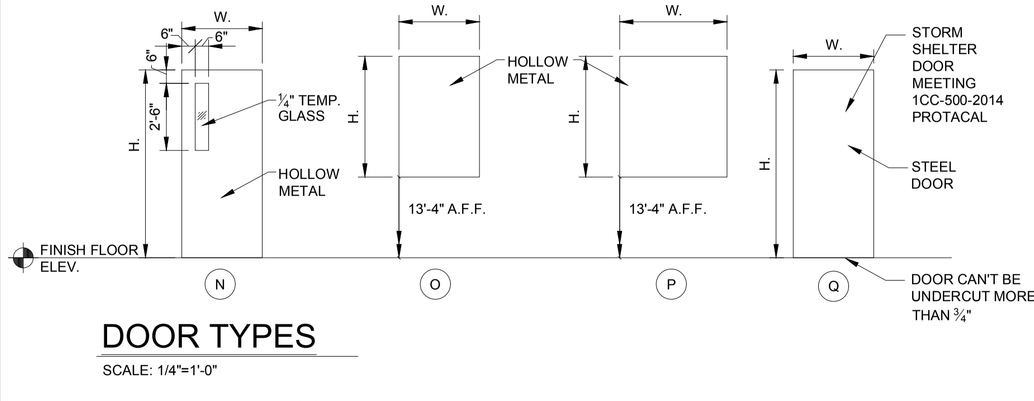
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CONSTRUCTION DOCUMENTS

A9.4

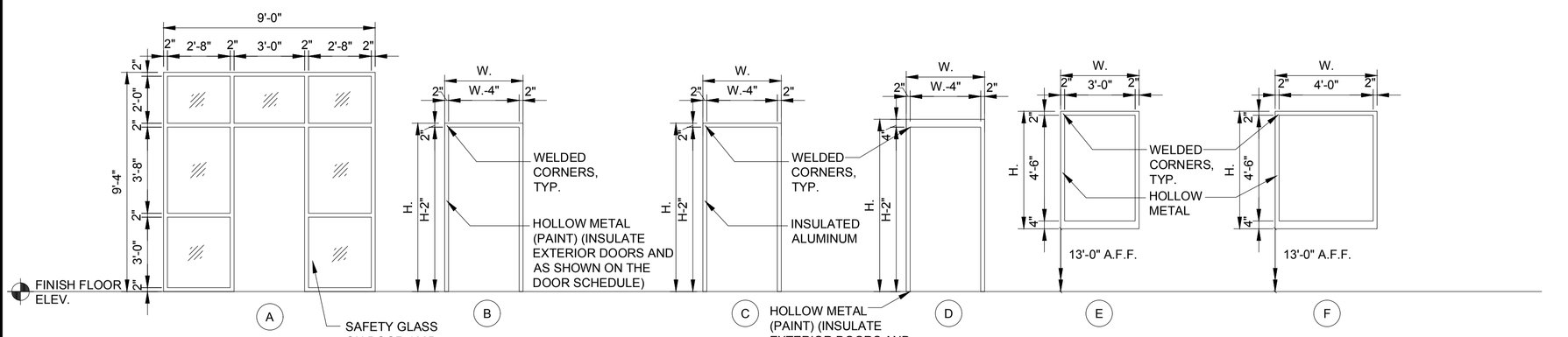


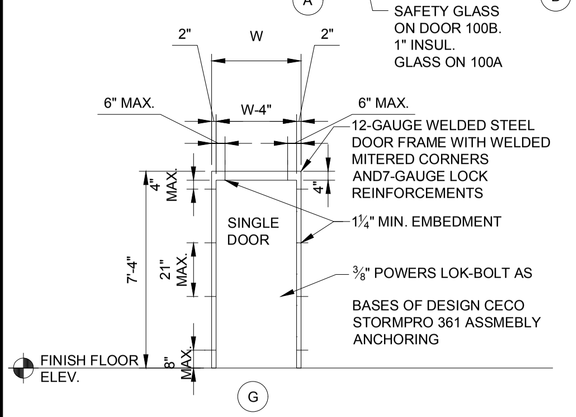


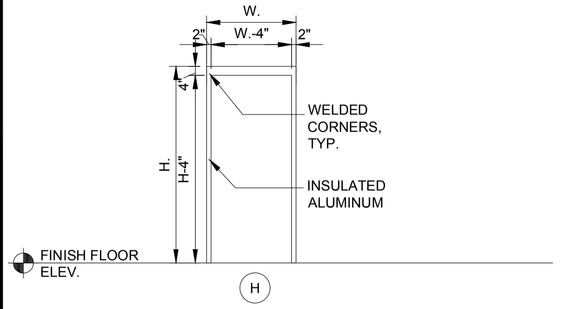


DOOR TYPES

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

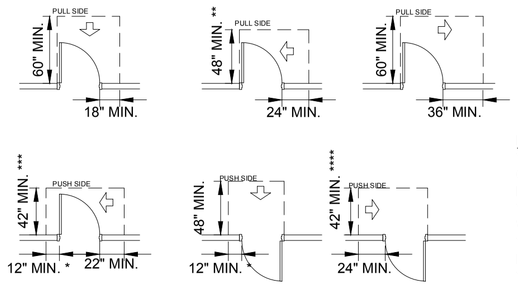






FRAME TYPES

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



NOTES:
* 12" MIN. CLEARANCE REQUIRED ONLY IF BOTH CLOSER AND LATCH ARE PROVIDED.
** 54" MIN., CLEARANCE REQUIRED WHEN CLOSER IS PROVIDED.
*** 48" MIN. IF BOTH CLOSER AND LATCH ARE PROVIDED.
**** 48" MIN. IF CLOSER IS PROVIDED.

A10.1 / A10.1 TYPICAL DOOR APPROACH DETAILS

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

TYPE	LINTEL DIM.
A	(2) L3 ½" X 3 ½" X 5/16"
B	(1) L3 ½" X 3 ½" X 5/16" (HOT DIPPED GALV.)
PEMB	PRE-ENGINEERED METAL BUILDING

NOTE: SEE SHEET S6.0 FOR TYPICAL LGMF HEADER DETAILS

STORM SHUTTER DOOR NOTES

NOTE: STORM SHUTTER DOOR TO BE COMPLIMENT WITH THE ICC 500 STANDARDS AND HARDWARE REQUIREMENTS FOR STORM SHELTERS, AS WELL AS CORRECT SIGNAGE AND INSTRUCTIONS OF USE POSTED. TESTED AND LABELED SHUTTERS ARE TO BE OPERATED FROM THE INSIDE AND ARE AVAILABLE WITH SELF LATCHING FEATURES.

CONSTRUCTION OF 14 GA. SKIN DOOR AS FOLLOWS:
1. VERTICAL STEEL STIFFENERS
2. CLOSER REINFORCEMENT
3. 7 GA. HINGE REINFORCEMENT
4. REINFORCED LOCK BOXES
5. ADDITIONAL 14 GAUGE SKIN ATTACHED TO DOOR WITH ¼" X1 ¼ SELF TAPPING SCREWS W/ HEXAGON WASHER HEADS SPACED AT 6" O.C. ALONG PERIMETER AND 12" O.C. IN THE FIELD.

CONSTRUCTION OF 12 GA. SKIN DOOR AS FOLLOWS:
1. 12 GA. VERTICAL STEEL STIFFENERS
2. 12 GA. FULL PERIMETER CHANNEL ALONG THE DOOR EDGES (DOUBLED AT DOOR HEAD).
3. 7 GA. HINGE REINFORCEMENT
4. 12 GA. REINFORCED LOCK BOXES
5. 7 GA. CLOSER REINFORCEMENT
6. ADDITIONAL 14 GAUGE SKIN ATTACHED TO DOOR WITH ¼" X1 ¼ SELF TAPPING SCREWS W/ HEXAGON WASHER HEADS SPACED AT 6" O.C. ALONG PERIMETER AND 12" O.C. IN THE FIELD.

DOOR NOTES

1. PROVIDE TACTILE SIGN STATING EXIT AND COMPLYING WITH ICC A 117.1 FOR DOORS 100A, 100B, 102A, 114A, 114B, 116A, 116B, 121A, 121B, 131A, 136A, 136B, 140A, 140B, 143F, 143M, 148A. SIGNS SHALL HAVE RAISED SYMBOLS AND BRAILLED CHARACTERS. RAISED LETTERS SHALL BE ONE MONOLITHIC PIECE WITH THE SIGN. LETTERS SHALL BE RAISED 1/32". SIGNS SHALL BE PLACED AT THE LATCH SIDE OF THE DOOR AND SHALL BE MOUNTED @ 60" ABOVE FINISH FLOOR

2. COORDINATE ALL KEYING OF DOOR LOCKS WITH OWNER. VERIFY DOOR HARDWARE SPECIFICATIONS INCLUDING BUT NOT LIMITED TO COLOR, STYLE, ETC. W/ OWNER

3. ALL EGRESS DOORS SHALL BE READILY OPENABLE FROM SIDE OF EGRESS AND COMPLY W/ OBC 10010.1.9, ICC A117.1-2009 404.2.6 AND A117.1-2009 404.2.8. HANDLES, PULLS, LATCHES, LOCKS AND OTHER OPERATING PARTS ON DOORS ON ACCESSIBLE DOORS SHALL HAVE A SHAPE THAT IS EASY TO GRASP AND DOES NOT REQUIRED TIGHT GRASPING, PINCHING OR TWISTING OF THE WRIST. HARDWARE SHALL BE 34" MINIMUM AND 48" MAXIMUM ABOVE THE FINISHED FLOOR. ALL FIRE DOORS SHALL HAVE A MINIMUM OPENING FORCE ALLOWABLE BY THE APPROPRIATE ADMINISTRATIVE AUTHORITY. THE FORE FOR PUSHING OR PULLING A DOOR OTHER THAN FIRE DOORS TO BE 5 POUNDS MAX FOR INTERIOR HINGED DOOR, SLIDING OR FOLDING DOORS.

4. FOAM INSULATE ALL VOIDS AROUND DOORS THAT CAN NOT BE INSULATED WITH BATT.

5. INSTALL ALL FLASHING PER THE DOOR AND SIDING MANUFACTURERS RECOMMENDATIONS.

6. PROVIDE JAMB EXTENSIONS FOR ALL DOORS AS REQUIRED. FIELD VERIFY WIDTH OF WALL.

7. ALL EXTERIOR GLASS TO BE 1" INSULATING GLASS, LOW-E, 1/4" TEMPERED TINTED AND 1/4" TEMPERED.

8. ALL INTERIOR GLASS, ALL GLASS IN DOORS AND IN DOOR FRAMES, AND ANY GLASS IN HAZARDOUS LOCATIONS AS DEFINED IN OBC SECTION 2404.01 TO BE 1/4" TEMPERED GLASS AND COMPLY WITH OBC SECTION 2406.1 THROUGH 2406.1.4.

10. FIRE PROTECTION RATED GLAZING SHALL MEET SECTION 715.

DOOR SCHEDULE

OPENING No.	DOOR SIZE W	DOOR SIZE H	DOOR SIZE T	DOOR TYPE	DOOR LOUVER W	DOOR LOUVER H	DOOR MATERIAL/ FINISH	FRAME SIZE W	FRAME SIZE H	FRAME TYPE	FRAME MATERIAL/ FINISH	DETAILS HEAD	DETAILS JAMB	DETAILS SILL	OPENING U.L. LABEL	HARDWARE HAND	HARDWARE SET No.	HARDWARE KEYSIDE RM. No.	LINTEL MARK	REMARKS
100A	3'-0"	7'-0"	1 3/4"	A	-	-	INSULATED ALUMINUM	9'-0"	9'-4"	A	INSULATED ALUMINUM	H1/10.2	J7/A10.2	S1/10.2	-	LHR	1	EXTERIOR	SEE STRUCT.	
100B	3'-0"	7'-0"	1 3/4"	A	-	-	INSULATED ALUMINUM	9'-0"	9'-4"	A	INSULATED ALUMINUM	H2/10.2	J2/A10.2	-	-	LHR	2	100	-	SAFETY GLAZING
101A	3'-0"	7'-0"	1 3/4"	B	-	-	WOOD	3'-4"	7'-2"	B	HOLLOW METAL	H2/10.2	J2/A10.2	-	-	LH	3	100	-	INCLUDE BLANK HDWE. ON VEST#100 SIDE
101B	3'-4"	7'-0"	1 3/4"	B	-	-	WOOD	3'-8"	7'-2"	B	HOLLOW METAL	H2/10.2	J2/A10.2	-	-	RHR	4	102	-	
102A	3'-0"	7'-0"	1 3/4"	C	-	-	WOOD	3'-4"	7'-2"	B	HOLLOW METAL	H2/10.2	J2/A10.2	-	-	RHR	5	102	-	
103A	3'-0"	7'-0"	1 3/4"	B	-	-	WOOD	3'-4"	7'-2"	B	HOLLOW METAL	H2/10.2	J2/A10.2	-	-	RHR	6	102	-	
104A	3'-0"	7'-0"	1 3/4"	B	-	-	WOOD	3'-4"	7'-2"	B	HOLLOW METAL	H2/10.2	J2/A10.2	-	-	LHR	6	102	-	
105A	3'-0"	7'-0"	1 3/4"	C	-	-	WOOD	3'-4"	7'-2"	B	HOLLOW METAL	H2/10.2	J2/A10.2	-	-	RH	4	102	-	
105B	3'-0"	7'-0"	1 3/4"	C	-	-	WOOD	3'-4"	7'-2"	B	HOLLOW METAL	H2/10.2	J2/A10.2	-	-	LHR	7	131	-	180 DEGREE DOOR
106A	3'-0"	7'-0"	1 3/4"	B	-	-	WOOD	3'-4"	7'-2"	B	HOLLOW METAL	H2/10.2	J2/A10.2	-	-	RHR	7	105	-	SOUND SEALS FOR VENDING AREA
110A	3'-0"	7'-0"	1 3/4"	D	-	-	WOOD	3'-4"	7'-2"	B	HOLLOW METAL	H2/10.2	J2/A10.2	-	-	RH	8	109	-	
110B	2'-0"	7'-0"	1 3/4"	B	-	-	WOOD	2'-4"	7'-2"	B	HOLLOW METAL	H2/10.2	J2/A10.2	-	-	LHR	7	110	-	
111A	3'-0"	7'-0"	1 3/4"	D	-	-	WOOD	3'-4"	7'-2"	B	HOLLOW METAL	H2/10.2	J2/A10.2	-	-	LH	4	109	-	
113A	3'-0"	7'-0"	1 3/4"	D	-	-	WOOD	3'-4"	7'-2"	B	HOLLOW METAL	H2/10.2	J2/A10.2	-	-	RH	4	109	-	
114A	3'-0"	7'-0"	1 3/4"	A	-	-	INSULATED ALUMINUM	3'-4"	7'-4"	H	INSULATED ALUMINUM	H1/10.2	J7/A10.2	S2/10.2	-	RHR	9	EXTERIOR	SEE STRUCT.	
114B	3'-0"	7'-0"	1 3/4"	A	-	-	INSULATED ALUMINUM	3'-4"	7'-2"	C	INSULATED ALUMINUM	H2/10.2	J2/A10.2	-	-	RHR	10	114	-	
115A	3'-0"	7'-0"	1 3/4"	D	-	-	WOOD	3'-4"	7'-2"	B	HOLLOW METAL	H2/10.2	J2/A10.2	-	-	LH	8	109	-	
116A	3'-0"	7'-0"	1 3/4"	E	-	-	INSULATED ALUMINUM	3'-4"	7'-2"	C	INSULATED ALUMINUM	H5/10.2	J7/A10.2 LC J8/A10.2 HI	S2/10.2	-	RHR	11	EXTERIOR	SEE STRUCT.	TINTED GLASS - SEE SPECS FOR TINT
116B	3'-0"	7'-0"	1 3/4"	D	-	-	WOOD	3'-4"	7'-2"	B	HOLLOW METAL	H2/10.2	J2/A10.2	-	-	RHR	4	109	-	
118A	3'-0"	7'-0"	1 3/4"	B	-	-	WOOD	3'-4"	7'-2"	B	HOLLOW METAL	H2/10.2	J2/A10.2	-	-	LH	6	116	-	
119A	3'-0"	7'-0"	1 3/4"	B	-	-	WOOD	3'-4"	7'-2"	B	HOLLOW METAL	H2/10.2	J2/A10.2	-	-	LH	7	116	-	-
120A	3'-0"	7'-0"	1 3/4"	B	-	-	WOOD	3'-4"	7'-2"	B	HOLLOW METAL	H2/10.2	J2/A10.2	-	-	LH	7	116	-	
121A	3'-0"	7'-0"	1 3/4"	A	-	-	INSULATED ALUMINUM	3'-4"	7'-2"	C	INSULATED ALUMINUM	H5/10.2	J7/A10.2 LC J8/A10.2 HI	S2/10.2	-	RHR	9	EXTERIOR	B	
121B	3'-0"	7'-0"	1 3/4"	A	-	-	INSULATED ALUMINUM	3'-4"	7'-2"	C	INSULATED ALUMINUM	H2/10.2	J2/A10.2	-	-	RHR	10	121	-	
122A	3'-0"	7'-0"	1 3/4"	B	-	-	WOOD	3'-4"	7'-2"	B	HOLLOW METAL	H2/10.2	J2/A10.2	-	-	RH	12	123	-	-
124A	3'-0"	7'-0"	1 3/4"	D	-	-	WOOD	3'-4"	7'-4"	B	HOLLOW METAL	H3/10.2	J3/A10.2	-	-	RH	4	123	B	
125A	3'-0"	7'-0"	1 3/4"	B	-	-	WOOD	3'-4"	7'-2"	B	HOLLOW METAL	H2/10.2	J2/A10.2	-	-	LH	7	129	-	-
126A	3'-0"	7'-0"	1 3/4"	B	-	-	WOOD	3'-4"	7'-2"	B	HOLLOW METAL	H2/10.2	J2/A10.2	-	-	LH	6	129	-	-
127A	3'-0"	7'-0"	1 3/4"	B	-	-	WOOD	3'-4"	7'-2"	B	HOLLOW METAL	H2/10.2	J2/A10.2	-	-	RH	6	129	-	-
128A	3'-0"	7'-0"	1 3/4"	B	-	-	WOOD	3'-4"	7'-2"	B	HOLLOW METAL	H2/10.2	J2/A10.2	-	-	LH	6	129	-	-
130A	3'-0"	7'-0"	1 3/4"	B	-	-	WOOD	3'-4"	7'-2"	B	HOLLOW METAL	H2/10.2	J2/A10.2	-	-	RH	7	131	-	
131A	3'-4"	7'-0"	1 3/4"	C	-	-	WOOD	3'-8"	7'-2"	B	HOLLOW METAL	H2/10.2	J2/A10.2	-	-	RHR	13	102	-	
132A	3'-0"	7'-0"	1 3/4"	B	-	-	WOOD	3'-4"	7'-2"	B	HOLLOW METAL	H2/10.2	J2/A10.2	-	45	LHR	14	131	B	
133A	3'-0"	7'-0"	1 3/4"	B	-	-	WOOD	3'-4"	7'-2"	B	HOLLOW METAL	H2/10.2	J2/A10.2	-	45	LHR	14	131	-	
134A	3'-0"	7'-0"	1 3/4"	B	-	-	WOOD	3'-4"	7'-2"	B	HOLLOW METAL	H2/10.2	J2/A10.2	-	45	LHR	14	129	-	
134B	3'-0"	7'-0"	1 3/4"	B	-	-	WOOD	3'-4"	7'-2"	B	HOLLOW METAL	H2/10.2	J2/A10.2	-	45	LHR	14	131	-	
135A	3'-0"	7'-0"	1 3/4"	D	-	-	WOOD	3'-4"	7'-4"	D	HOLLOW METAL	H3/10.2	J3/A10.2	-	-	RH	4	136	A	
136A	3'-4"	7'-0"	1 3/4"	G	-	-	INSULATED HOLLOW METAL	3'-8"	7'-4"	D	INSULATED HOLLOW METAL	H3/10.2	J3/A10.2	-	-	RHR	5	143	A	
136B	3'-4"	7'-0"	1 3/4"	C	-	-	WOOD	3'-8"	7'-4"	D	HOLLOW METAL	H3/10.2	J3/A10.2	-	-	RH	7	131	A	
137A	3'-0"	7'-0"	1 3/4"	B	-	-	WOOD	3'-4"	7'-4"	D	HOLLOW METAL	H3/10.2	J3/A10.2	-	-	LH	5	136	A	
138A	3'-0"	7'-0"	1 3/4"	J	-	-	HOLLOW METAL	3'-4"	7'-4"	D	HOLLOW METAL	H3/10.2	J3/A10.2	-	-	RH	6	139	A	
138B	3'-0"	7'-0"	1 3/4"	B	-	-	WOOD	3'-4"	7'-4	D	HOLLOW METAL	H3/10.2	J3/A10.2	-	-	RH	21	129	A	
140A	3'-0"	7'-0"	1 3/4"	G	-	-	INSULATED HOLLOW METAL	3'-4"	7'-4"	D	INSULATED HOLLOW METAL	H3/10.2	J3/A10.2	-	-	RHR	5	143	A	
140B	3'-0"	7'-0"	1 3/4"	C	-	-	WOOD	3'-4"	7'-4"	D	HOLLOW METAL	H3/10.2	J3/A10.2	-	-	LH	7	129	A	
142A	8'-0"	8'-0"	1 3/4"	F	-	-	PRE-FINISHED STEEL	-	-	-	BY MANUF.	H4/10.2	J6/A10.2 LC J4/A10.2 HI	S3/A10.2	-	-	15	EXTERIOR	SEE PEMB	OVERHEAD DOOR
142B	3'-0"	7'-0"	1 3/4"	J	-	-	INSULATED HOLLOW METAL	3'-4"	7'-4"	D	INSULATED HOLLOW METAL	H3/10.2	J3/A10.2	-	-	RH	7	143	A	
143A	14'-0"	14'-0"	1 3/4"	H	-	-	PRE-FINISHED STEEL	-	-	-	BY MANUF.	H4/10.2	J6/A10.2 LC J4/A10.2 HI	S3/A10.2	-	-	15	EXTERIOR	SEE PEMB	OVERHEAD DOOR
143B	14'-0"	14'-0"	1 3/4"	H	-	-	PRE-FINISHED STEEL	-	-	-	BY MANUF.	H4/10.2	J6/A10.2 LC J4/A10.2 HI	S3/A10.2	-	-	15	EXTERIOR	SEE PEMB	OVERHEAD DOOR
143C	14'-0"	14'-0"	1 3/4"	H	-	-	PRE-FINISHED STEEL	-	-	-	BY MANUF.	H4/10.2	J6/A10.2 LC J4/A10.2 HI	S3/A10.2	-	-	15	EXTERIOR	SEE PEMB	OVERHEAD DOOR
143D	14'-0"	14'-0"	1 3/4"	H	-	-	PRE-FINISHED STEEL	-	-	-	BY MANUF.	H4/10.2	J6/A10.2 LC J4/A10.2 HI	S3/A10.2	-	-	15	EXTERIOR	SEE PEMB	OVERHEAD DOOR
143E	14'-0"	14'-0"	1 3/4"	H	-	-	PRE-FINISHED STEEL	-	-	-	BY MANUF.	H4/10.2	J6/A10.2 LC J4/A10.2 HI	S3/A10.2	-	-	15	EXTERIOR	SEE PEMB	OVERHEAD DOOR
143F	3'-0"	7'-0"	1 3/4"	E	-	-	INSULATED ALUMINUM	3'-4"	7'-2"	C	INSULATED ALUMINUM	H5/10.2	J1/A10.2 LC J5/A10.2 UP	S2/10.2	-	LHR	11	EXTERIOR	SEE PEMB	
143G	14'-0"	14'-0"	1 3/4"	M	-	-	PRE-FINISHED ALUMINUM	-	-	-	BY MANUF.	H6/10.2	J6/A10.2	S3/A10.2	-	-	15	EXTERIOR	SEE PEMB	OVERHEAD DOOR
143H	14'-0"	14'-0"	1 3/4"	M	-	-	PRE-FINISHED ALUMINUM	-	-	-	BY MANUF.	H6/10.2	J6/A10.2	S3/A10.2	-	-	15	EXTERIOR	SEE PEMB	OVERHEAD DOOR
143J	14'-0"	14'-0"	1 3/4"	M	-	-	PRE-FINISHED ALUMINUM	-	-	-	BY MANUF.	H6/10.2	J6/A10.2	S3/A10.2	-	-	15	EXTERIOR	SEE PEMB	OVERHEAD DOOR
143K	14'-0"	14'-0"	1 3/4"	M	-	-	PRE-FINISHED ALUMINUM	-	-	-	BY MANUF.	H6/10.2	J6/A10.2	S3/A10.2	-	-	15	EXTERIOR	SEE PEMB	OVERHEAD DOOR
143L	14'-0"	14'-0"	1 3/4"	M	-	-	PRE-FINISHED ALUMINUM	-	-	-	BY MANUF.	H6/10.2	J6/A10.2	S3/A10.2	-	-	15	EXTERIOR	SEE PEMB	OVERHEAD DOOR
143M	3'-0"	7'-0"	1 3/4"	E	-	-	INSULATED ALUMINUM	3'-4"	7'-2"	C	INSULATED ALUMINUM	H1/10.2 SIM.	J7/A10.2 SIM.	S2/10.2	-	RHR	11	EXTERIOR	B	
146A	3'-6"	7'-0"	1 3/4"	J	-	-	HOLLOW METAL	3'-10"	7'-4"	D	HOLLOW METAL	H3/10.2	J3/A10.2	-	20	RH	7	148	A	
147A	3'-6"	7'-0"	1 3/4"	J	-	-	HOLLOW METAL	3'-10"	7'-4"	D	HOLLOW METAL	H3/10.2	J3/A10.2	-	-	LH	7	148	A	
148A	3'-0"	7'-0"	1 3/4"	E	-	-	INSULATED ALUMINUM	3'-4"	7'-4"	H	INSULATED ALUMINUM	H1	J1/A10.2	S2/10.2	-	RHR	9	EXTERIOR	B	
149A	3'-6"	7'-0"	1 3/4"	K	-	-	INSULATED ALUMINUM	3'-10"	7'-4"	H	INSULATED ALUMINUM	H1	J1/A10.2	S2/10.2	-	RHR	16	EXTERIOR	B	
150A	3'-6"	7'-0"	1 3/4"	Q	-	-	STEEL	3'-10"	7'-4"	G	HOLLOW METAL	H7/10.2	J9/A10.2	-	SEE NOTES	LH	17	143/150	A	STORM SHELTER DOOR ICC-500-2014 STANDARDS PROVIDE SIGN - SEE DEATIL H10.3/A10.3
150B	3'-6"	7'-0"	1 3/4"	Q	-	-	STEEL	3'-10"	7'-4"	G	HOLLOW METAL	H7/10.2	J9/A10.2	-	SEE NOTES	LHR	17	148/150	A	STORM SHELTER DOOR ICC-500-2014 STANDARDS PROVIDE SIGN - SEE DEATIL H10.3/A10.3
151A	3'-0"	7'-0"	1 3/4"	J	-	-	HOLLOW METAL	3'-4"	7'-4"	D	HOLLOW METAL	H3/10.2	J3/A10.2	-	-	LH	6	152	A	
152A	10'-0"	10'-0"	1 3/4"	L	-	-	PRE-FINISHED ALUMINUM	-	-	-	BY MANUF.	H4/10.2 SIM.	J4/A10.2 SIM.	S3/A10.2	-	-	15	EXTERIOR	SEE PEMB	OVERHEAD DOOR
152B	3'-0"	7'-0"	1 3/4"	N	-	-	HOLLOW METAL	3'-4"	7'-4"	D	HOLLOW METAL	H3/10.2	J3/A10.2	-	-	LH	7	143	A	
200A	3'-0"	7'-0"	1 3/4"	J	-	-	HOLLOW METAL	3'-4"	7'-2"	B	HOLLOW METAL	H2/10.2	J2/A10.2	-	-	RH	19	201	-	
201A	3'-0"	4'-6"	1 3/4"	O	-	-	HOLLOW METAL	3'-4"	5'-0"	E	HOLLOW METAL	H3/10.2 SIM.	J3/A10.2	-	-	RHR	18	201	A	WITH HOLD OPEN
201B	4'-0"	4-6"	1 3/4"	P	-	-	HOLLOW METAL	4'-4"	5'-0"	F	HOLLOW METAL	H3/10.2 SIM.	J3/A10.2	-	-	LHR	18	201	A	WITH HOLD OPEN
202A	3'-0"	7'-0"	1 3/4"	J	-	-	HOLLOW METAL	3'-4"	7'-2"	B	HOLLOW METAL	H2/10.2	J2/A10.2	-	-	LHR	19	201	-	
203A	3'-0"	7'-0"	1 3/4"	J	-	-	HOLLOW METAL	3'-4"	7'-2"	B	HOLLOW METAL	H3/10.2	J3/A10.2	-	-	RHR	20	203	A	

NEW CENTRAL FIRE STATION
FOR
OREGON FIRE DEPARTMENT
1040 S. WYNN ROAD
OREGON, OHIO

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REVISION SCHEDULE

1	2021-06-29
2	2021-07-07

ISSUE DATE: 06/17/21

JOB NUMBER: 201296

CONSTRUCTION DOCUMENTS

A10.1

FOUNDATION PLAN

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

LEGEND:
#X @ XX" O/C

VERTICAL REBAR & SPACING FROM FOUNDATION UP TO TOP OF WALL AT ROOF LEVEL- SEE FOUNDATION SECTIONS AND TYP. MASONRY DETAIL ON SHEET S2.1

NOTE: FOR COLUMN FOOTER, BASE PLATES AND PIER DETAILS SEE SHEET S3.1

NORTH

82'-0" O/O MASONRY
81'-0" O/O GIRT
125'-4" O/O MASONRY
97'-4"
96'-2"
125'-4" O/O MASONRY
95'-4" O/O MASONRY
107'-8"
95'-4" O/O MASONRY
109'-0" O/O GIRTS
110'-0" O/O MASONRY
219'-8" O/O GIRTS
220'-8" O/O MASONRY

SHELTER
STAIRS
SCREEN WALL FOUNDATION

#5 @ 16" O/C
#5 @ 40" O/C
TYP. U.N.O.
4" CONC. SLAB REINF. w/ 6X6-W2.9XW2.9 W.W.F. PLACED @ MID-DEPTH o/ CLASS "A" 15 MIL V.B. o/ 6" COMP. #304 STONE
8" CONC. SLAB REINF. w/ 4X4-W4.0XW4.0 W.W.F. PLACED AT 3" BELOW SURFACE USING REBAR CHAIRS o/ CLASS "A" 15 MIL V.B. o/ 8" COMP. #304 STONE
TYPICAL ALL AREAS U.N.O. 4" CONC. SLAB REINF. w/ 6X6-W2.1XW2.1 W.W.F. PLACED @ MID-DEPTH o/ CLASS "A" 15 MIL V.B. o/ 6" COMP. #304 STONE
4" CONCRETE SLAB ON 4" COMPACTED STONE BASE O/COMPACTED SOIL - SEE CIVIL DRAWINGS
NOTE: IF PERGOLA UNDER ALTERNATE #10 IS ACCEPTED THEN PROVIDE 8" THICKENED SLAB ALL AROUND THE EDGES AND PROVIDE 24" DIAMETER SONO TUBE X4'-0" DEEP FOUNDATION OR 24"X24" AT ALL 8"X8" POSTS - SEE SHEET A8.4 FOR PERGOLA DETAIL

T/SLAB ELEV. = 600.50'
F/FL. 600.50' TYP. U.N.O.
TYP. ELEV. = (-0'-2")
TYP. ELEV. = (-0'-1")
TYP. (10) LOCA.
TYPICAL THICKENED SLAB (T.S.1.) - SEE TYP. DETAIL ON SHEET S3.0
TYPICAL (10) LOCATIONS TRENCH DRAIN (T.D.)- SEE TYP. SECTION E1.1/S3.0
TYPICAL (6) LOC. (F-1) COLUMN FTG. 5'-0"X6'-0"X1'-4" W/24"X28" PIER PR-1 OR 28"X32" PIER PR-2
TYPICAL (15) LOC. (F-2) COLUMN FTG. 5'-0"X5'-0"X1'-4" W/24"X28" PIER PR-1 OR 28"X32" PIER PR-2
TYPICAL (9) LOC. (F-3) COLUMN FTG. 4'-0"X4'-0"X1'-4" W/16"X24" PIER PR-3 OR 24"X28" PIER PR-1 OR 16"X16" PIER PR-4
TYPICAL (1) LOC. (F-4) COLUMN FTG. 3'-0"X3'-0"X1'-4" W/16"X16" PIER PR-4
TYPICAL (7) LOCATIONS CONCRETE SLAB STOOP W/8" FOUNDATION WALLS ON ALL 3-SIDES SEE SECTION C1.1/S3.0
TYPICAL-AT ALL STEEL MAIN FRAME COLUMN LOCATIONS (BOTH ENDS) #7 X14'-0" LONG W/12" LEGS THRUST HAIRPIN BEHIND ANCHOR BOLTS AND CENTERED IN SLAB
TYPICAL (C.J.) SAW-CUT JOINT-SEE TYPICAL DETAIL ON SHEET S3.0
TYPICAL (2) LOCATIONS TYPICAL 6" DIA. BOLLARD - SEE SHEET S3.1 FOR TYP. DETAIL
SEE ENTRY/TOWER FOUNDATION PLAN ON SHEET S2.0
CONC. PAD FOR CONDENSING UNITS - SEE DETAIL ON S3.1
CONC. PAD FOR EMERGENCY GENERATOR - SEE DETAIL ON S3.1
VERIFY W/ARCH. FOR EXACT LOCATION
RECESSED TRAINING TIE-DOWN

1	2021-07-07

REVISION SCHEDULE

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CONSTRUCTION DOCUMENTS

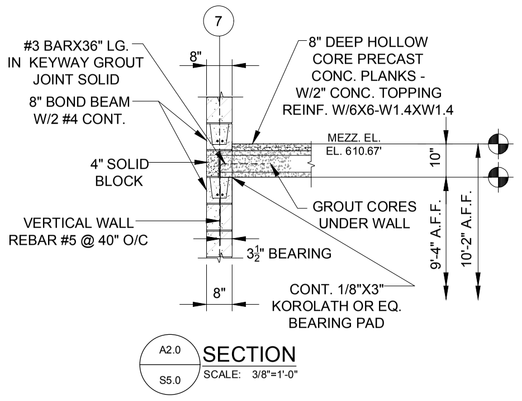
S1.1

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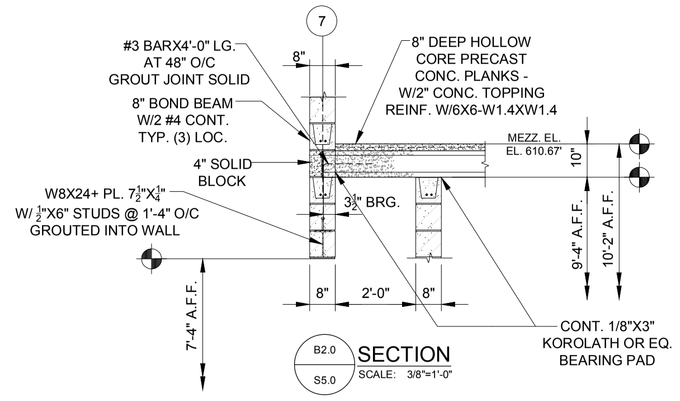
NEW CENTRAL FIRE STATION
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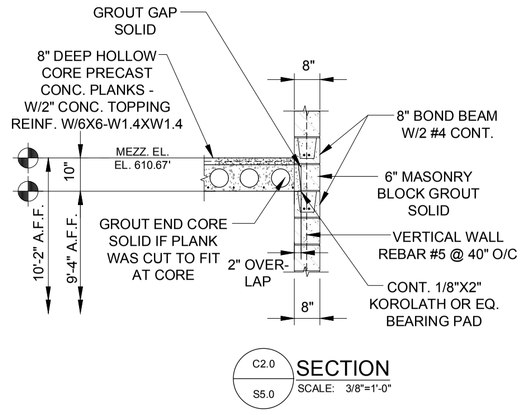
SIGNATURE DATE 06/17/21



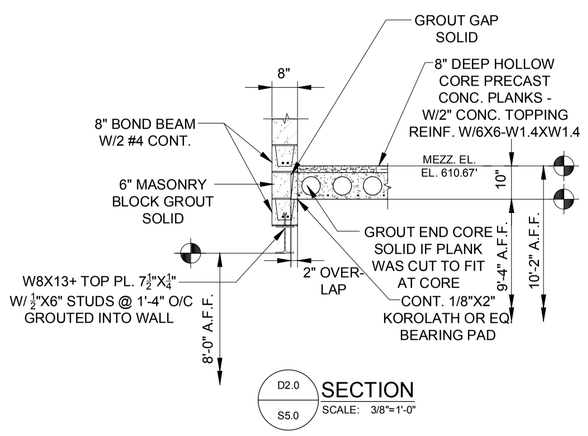
A2.0 / S5.0 SECTION
SCALE: 3/8"=1'-0"



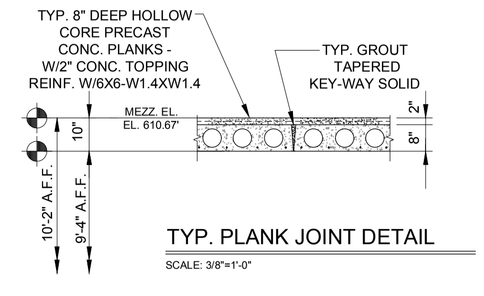
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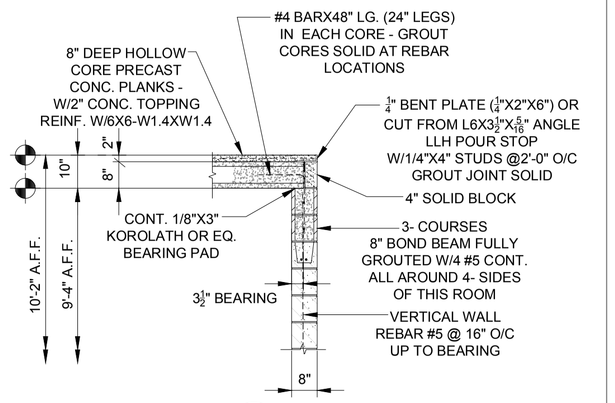
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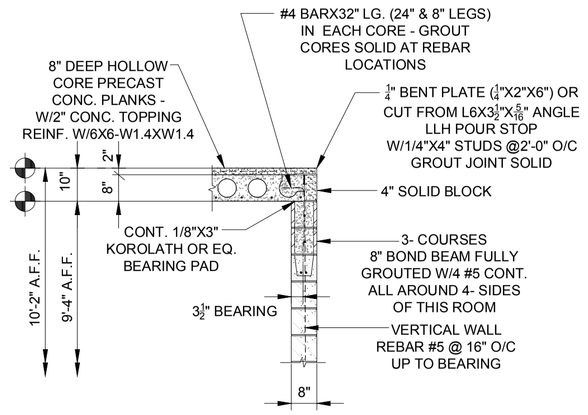
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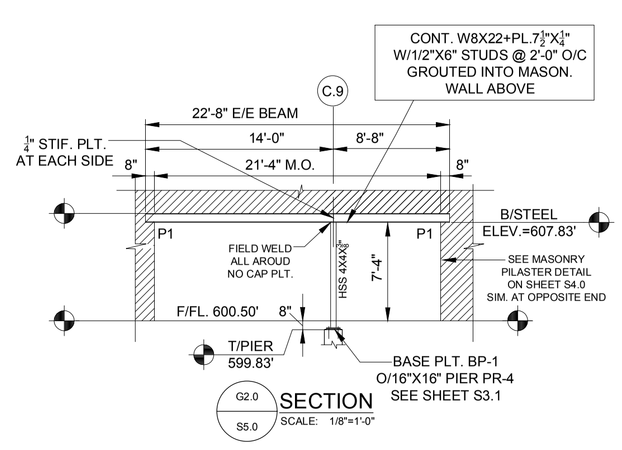
TYP. PLANK JOINT DETAIL
SCALE: 3/8"=1'-0"



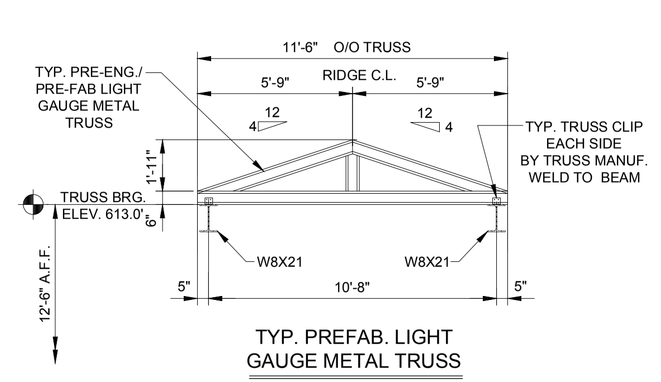
E2.0 / S5.0 SECTION
SCALE: 3/8"=1'-0"



F2.0 / S5.0 SECTION
SCALE: 3/8"=1'-0"

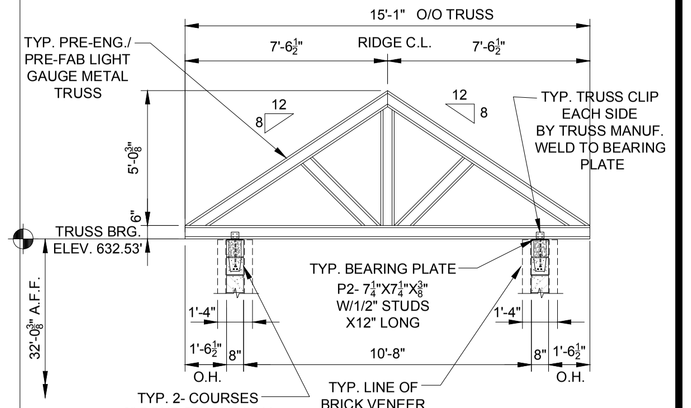


G2.0 / S5.0 SECTION
SCALE: 1/8"=1'-0"



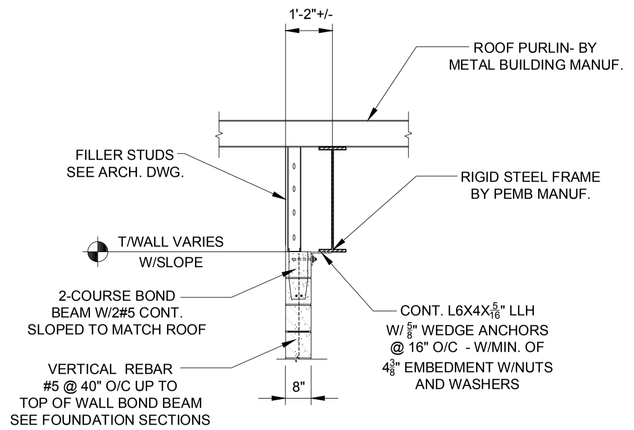
TYP. PREFAB. LIGHT GAUGE METAL TRUSS

J2.0 / S5.0 SECTION
SCALE: 1/4"=1'-0"



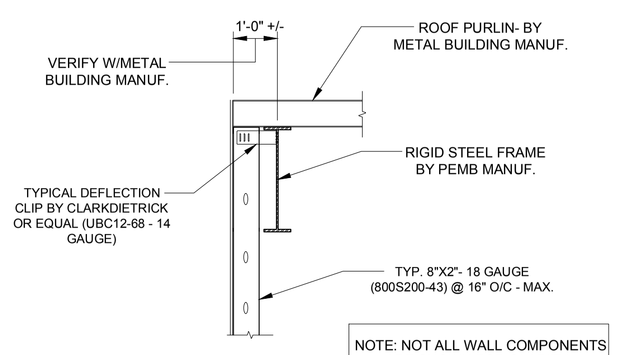
TYP. PREFAB. LIGHT GAUGE METAL TRUSS

H2.0 / S5.0 SECTION
SCALE: 1/4"=1'-0"



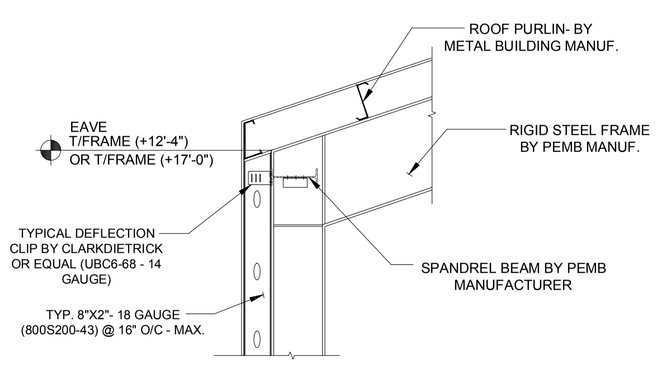
K2.0 / S5.0 TYPICAL SECTION
SCALE: 1/4"=1'-0"

NOTE: NOT ALL WALL COMPONENTS ARE SHOWN FOR CLARITY - SEE ARCH. SECTIONS AND ROOF DETAILS FOR MORE INFO



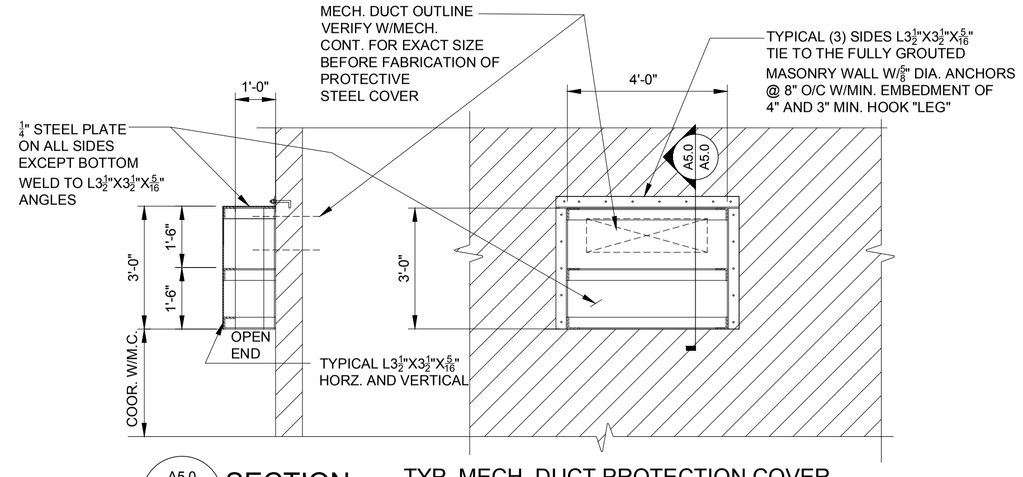
TYP. SUPPORT AT TOP OF LGMF STUD WALL
SCALE : N.T.S.

NOTE: NOT ALL WALL COMPONENTS ARE SHOWN FOR CLARITY - SEE ARCH. SECTIONS AND ROOF DETAILS FOR MORE INFO



TYP. SUPPORT AT TOP OF LGMF STUD WALL AT SPANDREL BEAM
SCALE : N.T.S.

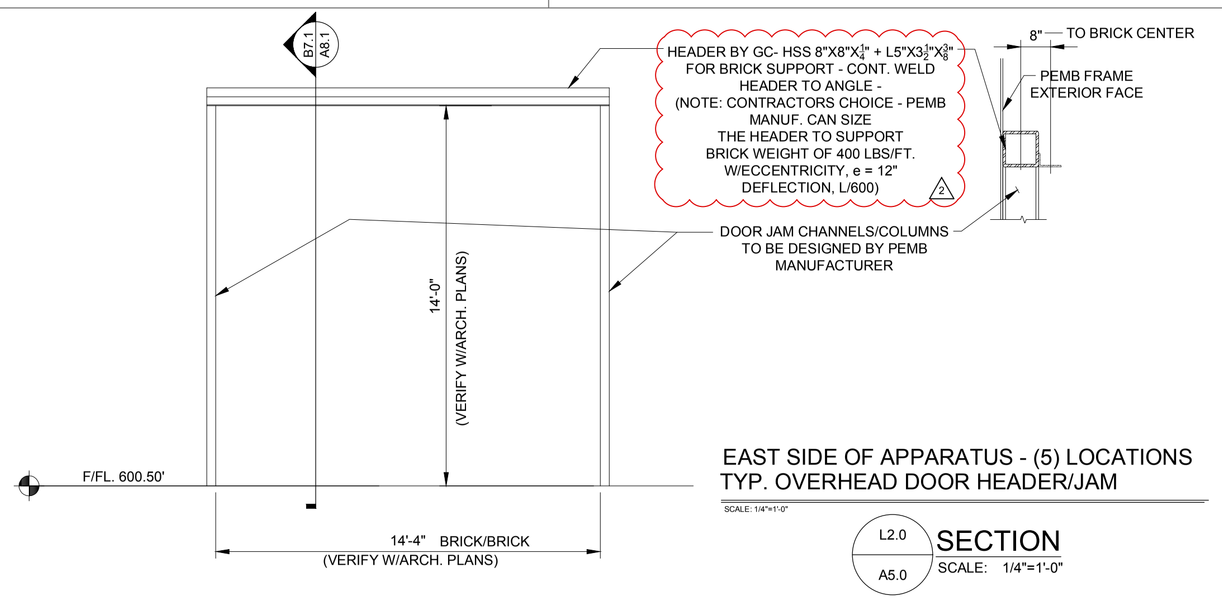
NOTE: NOT ALL WALL COMPONENTS ARE SHOWN FOR CLARITY - SEE ARCH. SECTIONS AND ROOF DETAILS FOR MORE INFO



A5.0 / A5.0 SECTION
SCALE: 3/8"=1'-0"

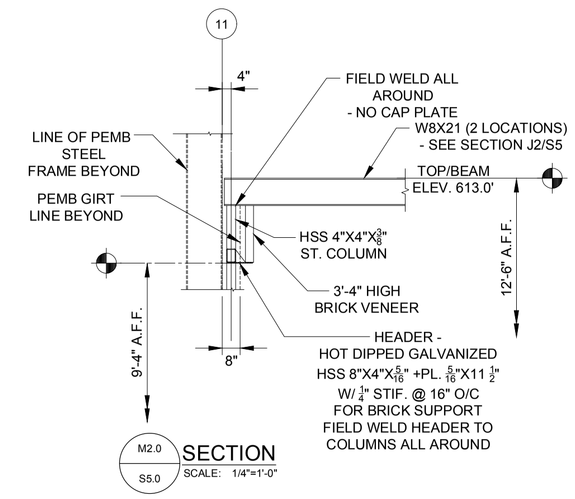
TYP. MECH. DUCT PROTECTION COVER
SCALE: 3/8"=1'-0"

TYPICAL (2) LOC. - SEE MECH. DWG. FOR LOCACTION



EAST SIDE OF APPARATUS - (5) LOCATIONS
TYP. OVERHEAD DOOR HEADER/JAM
SCALE: 1/4"=1'-0"

L2.0 / A5.0 SECTION
SCALE: 1/4"=1'-0"



M2.0 / S5.0 SECTION
SCALE: 1/4"=1'-0"

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STATE OF OHIO
KENT D. BUEHRER
54249
REGISTERED PROFESSIONAL ENGINEER
SIGNATURE DATE 06/17/21

NEW CENTRAL FIRE STATION
FOR
OREGON FIRE DEPARTMENT
1040 S. WYNN ROAD
OREGON, OHIO

REVISION SCHEDULE

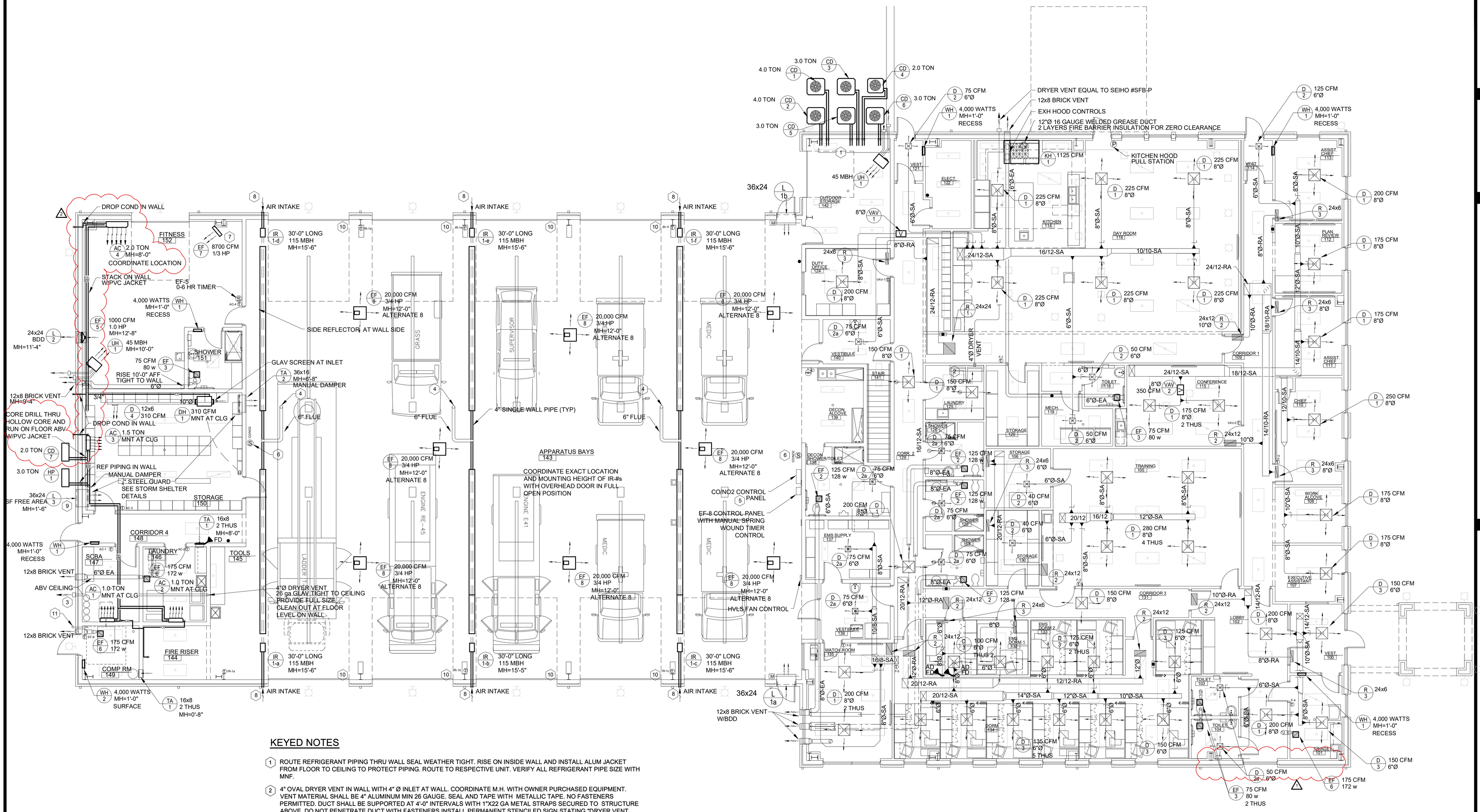
2	2021-07-07

ISSUE DATE: 06/17/21

JOB NUMBER: 201296

CONSTRUCTION DOCUMENTS

S5.0



KEYED NOTES

1. ROUTE REFRIGERANT PIPING THRU WALL SEAL WEATHER TIGHT. RISE ON INSIDE WALL AND INSTALL ALUM JACKET FROM FLOOR TO CEILING TO PROTECT PIPING. ROUTE TO RESPECTIVE UNIT. VERIFY ALL REFRIGERANT PIPE SIZE WITH MNF.
2. 4" OVAL DRYER VENT IN WALL WITH 4" Ø INLET AT WALL. COORDINATE M.H. WITH OWNER PURCHASED EQUIPMENT. VENT MATERIAL SHALL BE 4" ALUMINUM MIN 26 GAUGE. SEAL AND TAPE WITH METALLIC TAPE. NO FASTENERS PERMITTED. DUCT SHALL BE SUPPORTED AT 4'-0" INTERVALS WITH 1"X22 GA METAL STRAPS SECURED TO STRUCTURE ABOVE. DO NOT PENETRATE DUCT WITH FASTENERS.INSTALL PERMANENT STENCILED SIGN STATING "DRYER VENT TOTAL EQUIVALENT LENGTH 65 FEET INCLUDING 5 FEET EQUIVALENT LENGTH FOR ELBOWS. INSTALL DRYER RATED FOR LONG VENT SYSTEM ONLY". PROVIDE FULL SIZE CLEAN OUT AT FLOOR LEVEL ON WALL.
3. TERMINATE WITH EQUAL TO 4"Ø ALUMINUM DRYER VENT EQUAL TO SEIHO MODEL SFB-P. VENT MATERIAL SHALL BE 4" ALUMINUM MIN 26 GAUGE. SEAL AND TAPE WITH METALLIC TAPE. NO FASTENERS PERMITTED. DUCT SHALL BE SUPPORTED AT 4'-0" INTERVALS WITH 1"x22 ga METAL STRAPS SECURED TO STRUCTURE ABOVE. DO NOT PENETRATE DUCT WITH FASTENERS. TOTAL EQUIVALENT LENGTH 35 FEET INCLUDING 5 FEET EQUIVALENT LENGTH FOR ELBOWS.
4. 6" Ø SINGLE WALL VENT PIPE UP THRU ROOF WITH THIMBLE THRU ROOF. TERMINATE 2'-0" ABOVE ROOF WITH 8" VENT CAP.
5. ENERGIZE EF-4 WITH CO/NO2 DETECTION ALARM. OPEN L-1a & L-1b DAMPER WITH EF-4 OPERATION. INSTALL ADDITIONAL CONTROLS/CONTACTS ADJACENT TO CONTROL BOX FOR SIMPLE MANUAL OPERATION OF EF-4.
6. MOUNT CO/N02 SENSORS IN STRICT ACCORDANCE WITH MNF INSTRUCTIONS. INSTALL CONDUIT IN WALL.
7. MOUNT CIRCULATION 45 LB FAN ON WALL WITH STEEL AS REQUIRED. COORDINATE WITH OWNER FOR EXACT LOCATION.
8. AIR INTAKES EQUAL TO SEIHO MODEL SFX-S 4" Ø STAINLESS STEEL. COORDINATE WITH DOWNSPOUTS.
9. EQUAL TO GREENHECK MODEL ESDE-635-50. STATIONARY DRAINABLE BLADE EXTRUDED ALUMINUM LOUVER DESIGNED TO PROTECT AIR INTAKE AND EXHAUST OPENINGS IN BUILDING EXTERIOR WALLS. ESD-635DE IS TESTED IN ACCORDANCE WITH AMCA 500-L AIR PERFORMANCE AND WATER PENETRATION. ESD-635DE IS TESTED IN ACCORDANCE WITH AMCA 540 TEST METHOD FOR LOUVERS IMPACTED BY WIND BORNE DEBRIS (BASIC PROTECTION, MISSILE LEVEL D).
10. TRACK MOUNT SWITCH SUPPLIED WITH EF-8 SYSTEM TO ENERGIZE EF-8. ALTERNATE #8
11. 3" SOLDERED COPPER PIPING W/GOOSE NECK AND SS SCREEN COVER TO 2'-0" ABV GRADE. ROUTE TO COMPRESSOR WITH 2" CONNECTION. INSTALL TEE WITH 2" LONG DIRT LEG AND DRAIN VALVE.

MECHANICAL
FIRST FLOOR PLAN
SCALE: 1/8"=1'-0"

NORTH

STATE OF OHIO
JEFFREY A. GAFFNEY
68646
REGISTERED PROFESSIONAL ENGINEER
SIGNATURE DATE 06/17/21

NEW CENTRAL FIRE STATION
FOR
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REVISION SCHEDULE

1	06/30/21
2	07/07/21

ISSUE DATE: 06/17/21

JOB NUMBER: 201296

CONSTRUCTION DOCUMENTS

M1.1

ELECTRIC WALL HEATER SCHEDULE

MARK NO.	BTU	WATTS	AMPS	ELECT.	TYPE	DESCRIPTION Q-MARK	COMMENTS
WH-1	13,650	4,000	19.5	208-1P	WALL	SSHO4008	2" SEMI RECESSED
WH-2	13,650	4,000	19.5	208-1P	WALL	SSHO4008	SURFACE

- BUILT-IN ELECTRONIC DIGITAL LCD TOUCH SCREEN DISPLAY
- EQUAL BY MARKEL OR WARREN

RADIANT HEATERS

MARK NO.	ROBERTS GORDON MODEL	MBH MIN/MAX	REFLECTOR	ELECT.	AMPS	TUBE LENGTH	WEIGHT LBS	ACCESSORIES
IR-1a-f	CTH3-115 MODULATING	75/115	HIGH EFFICIENCY	115-1Ø	1.3 A	31 FT	167 lbs	AIR INLET/OUTLET HIGH EFF REFLECTOR PROGRAMMABLE T-STAT WITH PASSWORD

- HANG ON CHAIN AS RECOMMENDED BY MANUFACTURER
- PROVIDE INSULATED BASE FOR ALL THERMOSTATS
- EQUAL BY DETROIT RADIANT, SOLARONICS OR REZNOR
- PROVIDE SIDE REFLECTOR AT IR-1d

DIFFUSER, LOUVER & GRILLE SCHEDULE

MARK NO.	MAX CFM	STATIC PRESS. (IN H2O)	DAMP.	NECK SIZE	AIR PATTERN	FINISH	THROW (FT)	N.C.	DESCRIPTION PRICE	COMMENTS
D-1	300	.12	-	8"Ø	4-WAY	WHT	12-20	25	SMD 24x24 face	INSULATE BACK OF PAN LOUVERED FACE
D-2	150	.09	-	6"Ø	4-WAY		4-10	20	SMD 12x12 face	INSULATE BACK OF PAN
D-2a	150	.09	VOL	6"Ø	4-WAY		4-10	20	SMD 12x12 face	INSULATE BACK OF PAN PLASTER FRAME
D-3	150	.12	-	6"Ø	4-WAY		8-18	25	SMD 24x24 face	INSULATE BACK OF PAN LOUVERED FACE ALUMINUM
D-4	310	.05	-	12x6	ADJ		14-26	25	620	DUCT MOUNT
R-1	2000	.03	-	24x24	-	WHT	-	25	80-TSF	EGG CRATE
R-2	1000	.03	-	24x12	-		-	25	80-TSF	EGG CRATE
R-3	450	.03	-	24x6	-		-	25	80-TSF	EGG CRATE
L-1	3000	.17	-	36x24		BY ARCH	-	-	GREENHECK ESD-435	4" DEEP-EXHAUST 70% KYNAR
L-2	1000	.05	-	24x24			-	-	GREENHECK ESD-435	4" DEEP-EXHAUST 70% KYNAR
L-3	-	-	MANUAL	36x24			-	-	GREENHECK ESDE-635-50	MANUAL INSULATED DAMPER
L-4	6000	.10	-	48"Ø			-	-	GREENHECK ESD-435	4" DEEP-EXHAUST 70% KYNAR
L-5	-	-	-	70x30 TRIANGLE			-	-	GREENHECK ESD-435	4" DEEP-EXHAUST 70% KYNAR
TA-1	200	.05	-	16x8	-	WHT	-	20	535	WITH 1 1/2 HR FIRE DAMPER
TA-2	-	-	-	36x16	-	WHT	-	-	535	-

- THROWS ARE SHOWN FROM 150 fpm TO 50 fpm

FAN SCHEDULE

MARK NO.	CFM	S.P. (IN H2O)	HP	ELECT.	DAMPER	DESCRIPTION GREENHECK	INLET SONES	COMMENTS
EF-1	1125	0.75	1/3	208-3Ø	-	CUBE-100-3	10.7	W/SLOPED ROOF CURB KITCHEN HOOD EXHAUST
EF-2	125	.250	128w	115-1Ø	BDD	SP-B150	3.5	(3) 12x8 BRICK VENT W/BDD
EF-3	75	.250	80w	115-1Ø	BDD	SP-B110	1.5	(1) 12x8 BRICK VENT W/BDD
EF-4	6000	.250	2.0	208-3Ø	BDD	AER-E30C-1225-VG	1.0	DIRECT DRIVE VARI-GREENE GUARD & WALL HOUSING
EF-5	1000	.125	1.0	115-1Ø	BDD	AER-E30C-605-VG	4.7	DIRECT DRIVE VARIGREENE GUARD & WALL HOUSING 0-6 HR TIMER
EF-6	175	.250	172w	115-1Ø	BDD	SP-B200	4.5	12x8 BRICK VENT W/BDD (2) THERMOSTATS
EF-7	8700	0	1/3	115-1Ø	-	30" AIR KING 3 SPEED	-	WALL MOUNT KIT, OSCILLATING 45 LBS
EF-8	20,000	0	3/4	115-1Ø	-	AIRVAC 911	-	WALL MOUNT CONTROL PANEL MANUAL OPERATION EQUAL BY MAGNEGRIP ALTERNATE 8

- EQUAL BY ACME, PENN OR COOK

HVLS FAN SCHEDULE

MARK NO.	SIZE	CFM	HP	ELECT.	DESCRIPTION GREENHECK	WEIGHT LBS	COMMENTS
HVLS-1	14'-0"	45,160	175 w	115-1Ø	DC-5-14-13LV	122	6'-0" DROP LENGTH, DISCONNECT, MILL FINISH-FLAT BLACK FINISH PER OWNER TOUCH SCREEN CONTROLLER

- EQUAL BY BIG ASS FAN, REFRESH FANS OR SKY BLADE

UNIT HEATER SCHEDULE

MARK NO.	MBH IN	MBH OUT	EFF	CFM	HP	ELECT.	MCA	FLUE	COMB	WEIGHT	DESCRIPTION MODINE	COMMENTS
UH-1	45	36.9	83%	725	1/15	115-1Ø	-	3"	3"	60 LBS	HDS-45	POWER VENTED, SEPARATED COMBUSTION THERMOSTAT PROPANE

- EQUAL BY TRANE OR REZNORE

MINIMUM OUTSIDE AIR CALCULATIONS
ASHRAE STD. 62.1-2010 COMPLIANCE
MULTIPLE ZONE SYSTEM W/O ZONE LEVEL RECIRCULATION

ZONE	F-1	F-2	F-3	F-4	F-5	F-6
OCCUPANCY CATEGORY	OFFICE BREAK RM	OFFICE SPACE	MULTI-PURPOSE ASSEMBLY	OFFICE SPACE	BARRACKS SLEEPING AREA	OFFICE SPACE
SUPPLY AIR VOLUME	1800 CFM	1625 CFM	1350 CFM	800 CFM	1400 CFM	1350 CFM
PEOPLE OUTDOOR AIR RATE (CFM/PERSON) (Rp)	5.0 CFM	5.0 CFM	7.5 CFM	5.0 CFM	5.0 CFM	5.0 CFM
AREA OUTDOOR AIR RATE (CFM/SQ. FT.) (Ra)	0.12	0.06	0.06	0.06	0.06	0.06
AREA (SQ. FT.) (Az)	2000 SF	970 SF	800 SF	850 SF	1275 SF	290 SF
CALCULATED OCCUPANCY (NUMBER OF PEOPLE) (Pz)	10 PPL	10 PPL	20 PPL	4 PPL	11 PPL	3 PPL
ZONE AIR DISTRIBUTION EFFECTIVENESS (Ez)	0.8	0.8	0.8	0.8	0.8	0.8
PEOPLE OUTDOOR AIR (Rp x Ap)	50 CFM	75 CFM	180 CFM	20 CFM	55 CFM	15 CFM
AREA OUTDOOR AIR (Ra x Az)	240 SF	77 CFM	48 CFM	51 CFM	77 CFM	77 CFM
BREATHING ZONE OUTDOOR AIR (Rp+Az)	290 SF	152 CFM	228 CFM	71 CFM	132 CFM	92 CFM
ZONE OUTDOOR AIR FLOW (Voz)	363 CFM	189 CFM	285 CFM	89 CFM	164 CFM	114 CFM
DESIGN OUTDOOR AIR FLOW	900 CFM	200 CFM	300 CFM	150 CFM	250 CFM	450 CFM

AIR BALANCE SCHEDULE

SERVING ZONE	SA CFM	ZONE EXH CFM	MIN OSA CFM	ZONE PRESSURE
F-1	1800	1200	900	NEG
F-2	1625	0	200	POS
F-3	1350	0	300	POS
F-4	800	325	150	NEG
F-5	1400	0	250	POS
F-6	1350	500	450	NEG
TOTAL	8325	2025	2250	POS

- ALL EXHAUST FANS RUNNING

DEHUMIDIFIER SCHEDULE

MARK NO.	CFM	ESP	INLET/OUTLET SIZE	DESCRIPTION (APRILAIRE)	VOLT	AMPS	COMMENTS
DH-1	310	0.2	10"Ø	1870	120-1Ø	8.3	PLUG AND CORD 130 PINT/DAY

FURNACE SCHEDULE

MARK NO.	F-1	F-2	F-3	F-4	F-5	F-6
TYPE	UP FLOW	UP FLOW	UP FLOW	UP FLOW	UP FLOW	UP FLOW
MODEL	S9X2C120U5PSB	S9X1B080U4PSB	S9X1B080U4PSB	S9V2B040UPSBA	S9X1B080U4PSB	S9X1B080U4PSB
FUEL	NAT GAS	NAT GAS	NAT GAS	NAT GAS	NAT GAS	NAT GAS
MFG	TRANE	TRANE	TRANE	TRANE	TRANE	TRANE
APROX WEIGHT	215 LBS	188 LBS	188 LBS	154 LBS	188 LBS	188 LBS
FAN PERFORMANCE						
TYPE	ECM	ECM	ECM	ECM	ECM	ECM
CFM@0.5 wg	1800 CFM	1625 CFM	1350 CFM	800 CFM	1400 CFM	1350 CFM
E.S.P.	0.50	0.50	0.50	0.50	0.50	0.50
MOTOR H.P.	1.0 HP	1.0 HP	3/4 HP	1/2	3/4 HP	3/4 HP
VOLTAGE	115-1Ø	115-1Ø	115-1Ø	115-1Ø	115-1Ø	115-1Ø
FLA	14.4 AMPS	14.4 AMPS	10.3 AMPS	9.3 AMPS	10.3 AMPS	10.3 AMPS
COOLING COILS						
TONS	4.0	4.0	3.0	2.0	3.0	3.0
COIL	MATCH TO CD	MATCH TO CD	MATCH TO CD	MATCH TO CD	MATCH TO CD	MATCH TO CD
HEAT EXCHANGER STAINLESS STEEL	2-STAGE					
AFUE	96.0%	96.0%	96.0%	95.0%	96.0%	96.0%
FLUE/INTAKE	3"Ø	3"Ø	3"Ø	3"Ø	3"Ø	3"Ø
TEMP RISE	55°F	51°F	51°F	45°F	51°F	51°F
INPUT MBH	120 MBH	80 MBH	80 MBH	40 MBH	80 MBH	80 MBH
OUTPUT MBH	107 MBH	75 MBH	75 MBH	38 MBH	75 MBH	75 MBH
MISC.						
FILTERS	TRANE PERF FIT 5" MERV 8					
FLUE /INTAKE	CONCENTRIC					
THERMOSTAT	TOUCH SCREEN 4H/2C DEHUMID					
MIN OSA	AS NOTED AT TAG					

- WITH HUMIDITY SENSOR
- SET ON RIBBED OR WAFFLED NEOPRENE PAD
- EQUAL BY DAKIN, LENNOX or YORK

AIR COOLED CONDENSING UNIT SCHEDULE (TRANE)

MARK	MODEL	STAGES	SEER	TONS	ELECT.	MCA	FUSE	OPERATING WEIGHT
CD-1	4TTA7048	2	17.0	4.0	208-3Ø	18 AMPS	30 AMPS	308 LBS
CD-2	4TTA7048	2	17.0	4.0	208-3Ø	18 AMPS	30 AMPS	308 LBS
CD-3	4TTA7036	2	17.0	3.0	208-3Ø	15 AMPS	25 AMPS	283 LBS
CD-4	4TTR7024	2	17.0	2.0	208-1Ø	15 AMPS	25 AMPS	190 LBS
CD-5	4TTA7036	2	17.0	3.0	208-1Ø	15 AMPS	25 AMPS	283 LBS
CD-6	4TTA7024	2	17.0	3.0	208-3Ø	15 AMPS	25 AMPS	283 LBS

- SUPPLY W/ RUBBER ISOLATOR KIT & ANTI SHORT CYCLE TIMER
- EQUAL BY DAKIN or YORK

VAV BOX SCHEDULE

MARK NO.	CFM	DISCH. NC LEVEL	INLET SIZE	DESCRIPTION (TRANE)	CLG CFM	HTG CFM	MIN CFM	COMMENTS
VAV-1	200	15	8"Ø	VCCF	100%	50%	30%	24 V THERMOSTAT
VAV-2	350	15	8"Ø	VCCF	100%	50%	30%	24 V THERMOSTAT

- PROVIDE UNIT-MOUNTED CONTROL POWER TRANSFORMER AND DISCONNECT
- EQUAL BY ETI , ENVIRO-TEC OR KRUEGER

HEAT PUMP VRV SCHEDULE

MARK NO.	CLG MBH	HTG MBH	CFM	ELECT	POWER MCA	POWER MOP	SEER / COP	DESCRIPTION DAIKIN	REMARKS
AC-1	12.0	14.7	290/180	208-1Ø	0.4 A	15 A	-	FTXS-12LVJU	WALL CASSETTE
AC-2	12.0	14.7	290/180		0.4 A	15 A	-	FTXS-12LVJU	WALL CASSETTE
AC-3	18.0	20.0	500/400		0.5 A	15 A	-	FTXS-18LVJU	WALL CASSETTE
HP-1	34.4	36.6	-		32.5 A	35 A	21.7/4.26	4MXL36TVJU	SET ON 4" SNOW LEGS

- HARD WIRED T-STAT
- CONDENSATE PUMP
- LOW AMBIENT OPERATION (wind baffel)
- PIPE COVER SYSTEM
- REFRIGERANT PIPE SIZE PER MANUFACTURER
- HEATING: INDOOR: 70°F DB/60°F WB: OUTDOOR: 2°F DB/5°F WB
- COOLING: INDOOR: 80°F DB/67°F WB: OUTDOOR: 95°F DB/75°F WB
- EQUAL BY LG OR TRANE

AC MINI SPLIT SYSTEM

MARK	AC-4/CD-7
MAKE	DAIKIN
MODEL-IN/OUT	FTKB24AXVJU / RKB24AXVJU
ELECTRICAL	208V-1Ø
MCA	13.2
MOP	20 A
COOL CAP	22,000 BTU
EER/SEER	11.0/17
HEAT CAP	-
OPTIONS	HARD WIRED T-STAT

- EQUAL BY LG OR TRANE

LEGEND

#4 T	THERMOSTAT AND DEVICE CONTROLLED WITH LOCKING THERMOSTAT GUARD
TI	TENNANT IMPROVEMENTS CONTRACTOR
RA	RETURN AIR
SA	SUPPLY AIR
EA	EXHAUST AIR
OSA	OUT SIDE AIR
TA	TRANSFER AIR
E.C.	ELECTRIC CONTRACTOR
	RETURN AIR
	EXHAUST AIR
	OUTSIDE INTAKE AIR
	SUPPLY AIR
24/12 ins int ins ext	DUCT SIZE (WIDTH/HEIGHT) INSULATE INTERIOR OF DUCT INSULATE EXTERIOR OF DUCT
M	MOTOR OPERATED DAMPER
BD	BALANCE DAMPER
	RETURN/EXH AIR
	SUPPLY AIR
	DUCT AIR TURNING VANES
	FLEXIBLE CONNECTION
SD	FIRE/SMOKE DAMPER
FD	90 MIN FIRE DAMPER
AD	ACCESS DOOR IN DUCT

STATE OF OHIO
GAFFNEY
68646
REGISTERED
PROFESSIONAL ENGINEER
SIGNATURE DATE 06/17/21

NEW CENTRAL FIRE STATION
FOR
OREGON FIRE DEPARTMENT
1040 S. WYNN ROAD
OREGON, OHIO

BUEHRERGROUP
architecture & engineering, inc.
314 CONANT ST., MAUMEE, OH 43537 | P 419.893.9021 F 419.893.9027 | BUEHRERGROUP.COM

REVISION SCHEDULE
1 06/30/21
2 07/07/21

ISSUE DATE: 06/17/21
JOB NUMBER: 201296
CONSTRUCTION DOCUMENTS

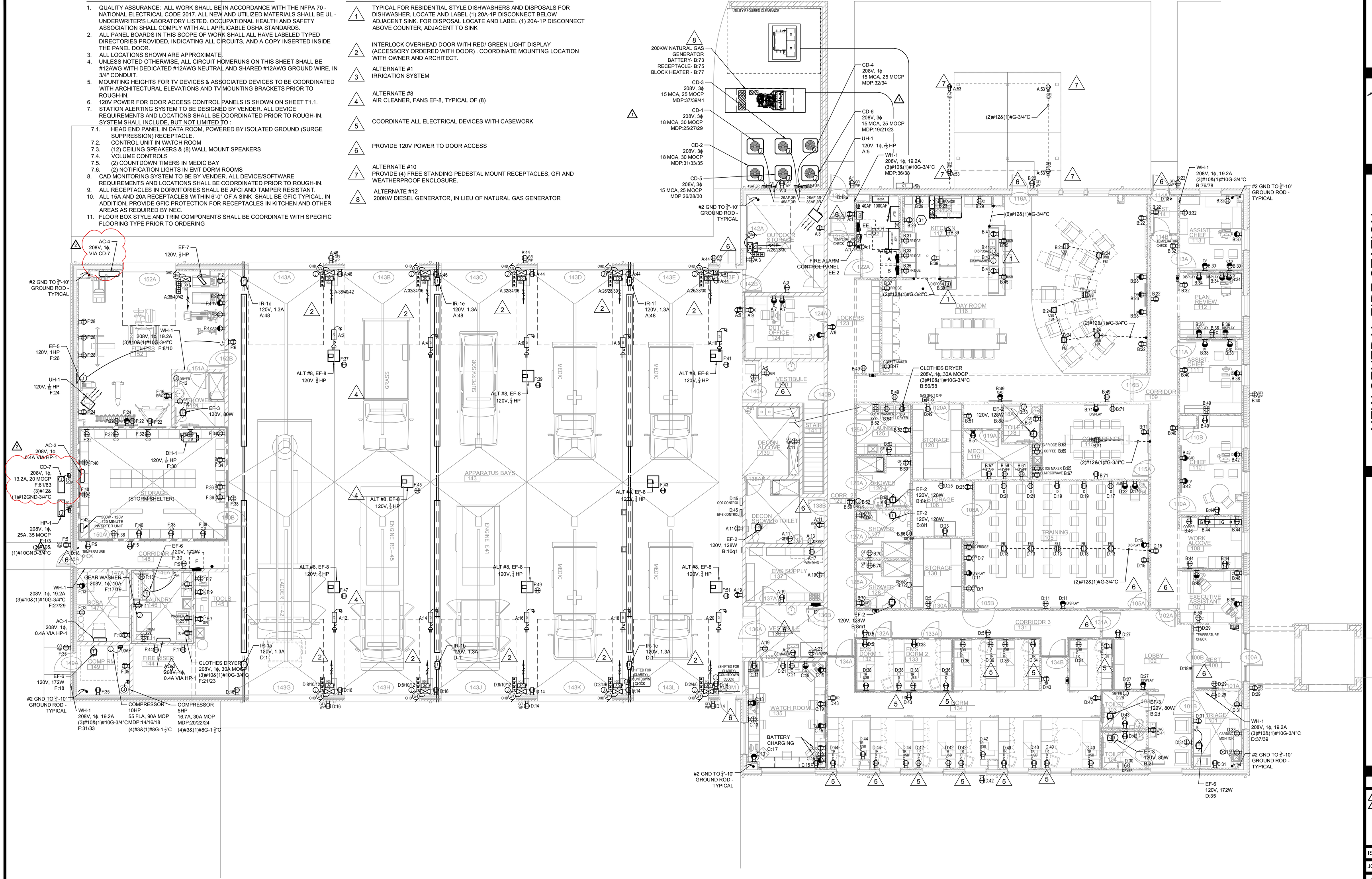
M2.0

GENERAL POWER NOTES

1. QUALITY ASSURANCE: ALL WORK SHALL BE IN ACCORDANCE WITH THE NFPA 70 - NATIONAL ELECTRICAL CODE 2017. ALL NEW AND UTILIZED MATERIALS SHALL BE UL - UNDERWRITER'S LABORATORY LISTED. OCCUPATIONAL HEALTH AND SAFETY ASSOCIATION SHALL COMPLY WITH ALL APPLICABLE OSHA STANDARDS.
2. ALL PANEL BOARDS IN THIS SCOPE OF WORK SHALL ALL HAVE LABELED TYPED DIRECTORIES PROVIDED, INDICATING ALL CIRCUITS, AND A COPY INSERTED INSIDE THE PANEL DOOR.
3. ALL LOCATIONS SHOWN ARE APPROXIMATE.
4. UNLESS NOTED OTHERWISE, ALL CIRCUIT HOMERUNS ON THIS SHEET SHALL BE #12AWG WITH DEDICATED #12AWG NEUTRAL AND SHARED #12AWG GROUND WIRE, IN 3/4" CONDUIT.
5. MOUNTING HEIGHTS FOR TV DEVICES & ASSOCIATED DEVICES TO BE COORDINATED WITH ARCHITECTURAL ELEVATIONS AND TV MOUNTING BRACKETS PRIOR TO ROUGH-IN.
6. 120V POWER FOR DOOR ACCESS CONTROL PANELS IS SHOWN ON SHEET T1.1.
7. STATION ALERTING SYSTEM TO BE DESIGNED BY VENDER. ALL DEVICE REQUIREMENTS AND LOCATIONS SHALL BE COORDINATED PRIOR TO ROUGH-IN. SYSTEM SHALL INCLUDE, BUT NOT LIMITED TO :
   - 7.1. HEAD END PANEL IN DATA ROOM, POWERED BY ISOLATED GROUND (SURGE SUPPRESSION) RECEPTACLE.
   - 7.2. CONTROL UNIT IN WATCH ROOM
   - 7.3. (12) CEILING SPEAKERS & (8) WALL MOUNT SPEAKERS
   - 7.4. VOLUME CONTROLS
   - 7.5. (2) COUNTDOWN TIMERS IN MEDIC BAY
   - 7.6. (2) NOTIFICATION LIGHTS IN EMT DORM ROOMS
8. CAD MONITORING SYSTEM TO BE BY VENDER. ALL DEVICE/SOFTWARE REQUIREMENTS AND LOCATIONS SHALL BE COORDINATED PRIOR TO ROUGH-IN.
9. ALL RECEPTACLES IN DORMITORIES SHALL BE AFCI AND TAMPER RESISTANT.
10. ALL 15A AND 20A RECEPTACLES WITHIN 6'-0" OF A SINK SHALL BE GFIC TYPICAL. IN ADDITION, PROVIDE GFIC PROTECTION FOR RECEPTACLES IN KITCHEN AND OTHER AREAS AS REQUIRED BY NEC.
11. FLOOR BOX STYLE AND TRIM COMPONENTS SHALL BE COORDINATE WITH SPECIFIC FLOORING TYPE PRIOR TO ORDERING

KEYED POWER NOTES

1. TYPICAL FOR RESIDENTIAL STYLE DISHWASHERS AND DISPOSALS FOR DISHWASHER, LOCATE AND LABEL (1) 20A-1P DISCONNECT BELOW ADJACENT SINK. FOR DISPOSAL LOCATE AND LABEL (1) 20A-1P DISCONNECT ABOVE COUNTER, ADJACENT TO SINK
2. INTERLOCK OVERHEAD DOOR WITH RED/ GREEN LIGHT DISPLAY (ACCESSORY ORDERED WITH DOOR) . COORDINATE MOUNTING LOCATION WITH OWNER AND ARCHITECT.
3. ALTERNATE #1
   IRRIGATION SYSTEM
4. ALTERNATE #8
   AIR CLEANER, FANS EF-8, TYPICAL OF (8)
5. COORDINATE ALL ELECTRICAL DEVICES WITH CASEWORK
6. PROVIDE 120V POWER TO DOOR ACCESS
7. ALTERNATE #10
   PROVIDE (4) FREE STANDING PEDESTAL MOUNT RECEPTACLES, GFI AND WEATHERPROOF ENCLOSURE.
8. ALTERNATE #12
   200KW DIESEL GENERATOR, IN LIEU OF NATURAL GAS GENERATOR



STATE OF OHIO
KENT D. BUEHRER
54249
REGISTERED PROFESSIONAL ENGINEER
SIGNATURE DATE 06/17/21

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REVISION SCHEDULE

1	ADDENDUM #1
2	ADDENDUM #2

ISSUE DATE: 06/17/21

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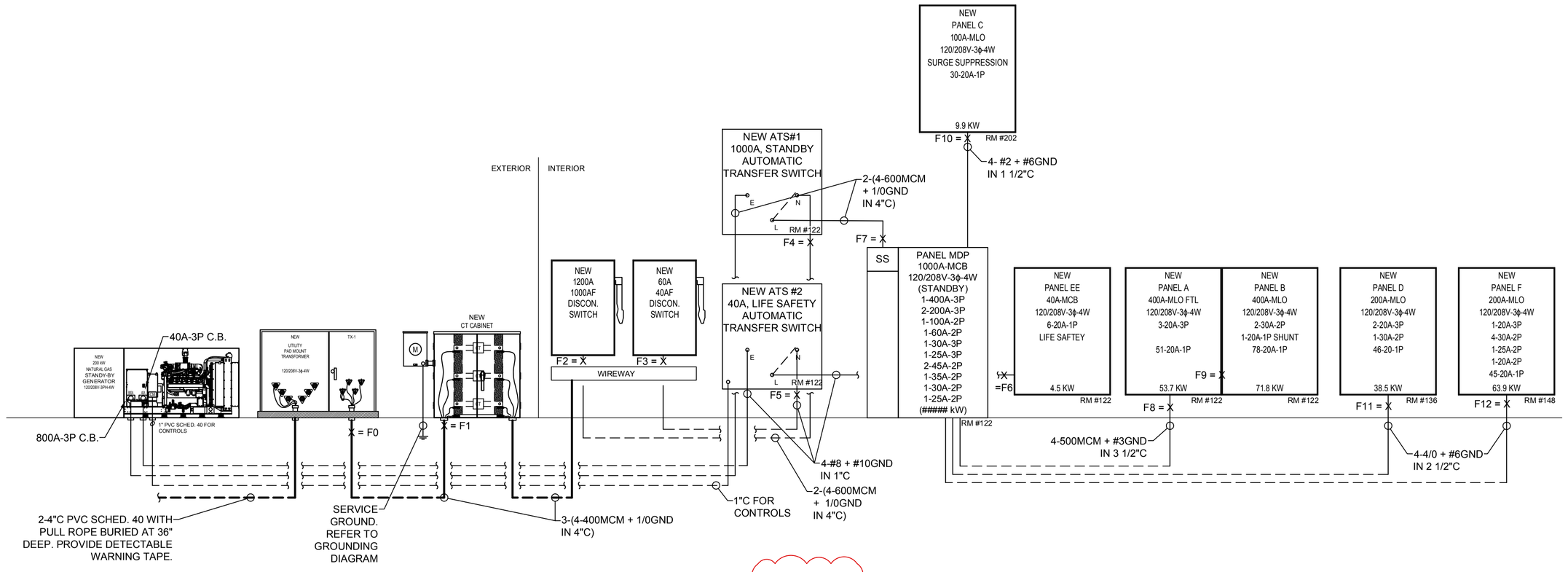
CONSTRUCTION DOCUMENTS

ELECTRICAL POWER
FIRST FLOOR PLAN

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

NORTH

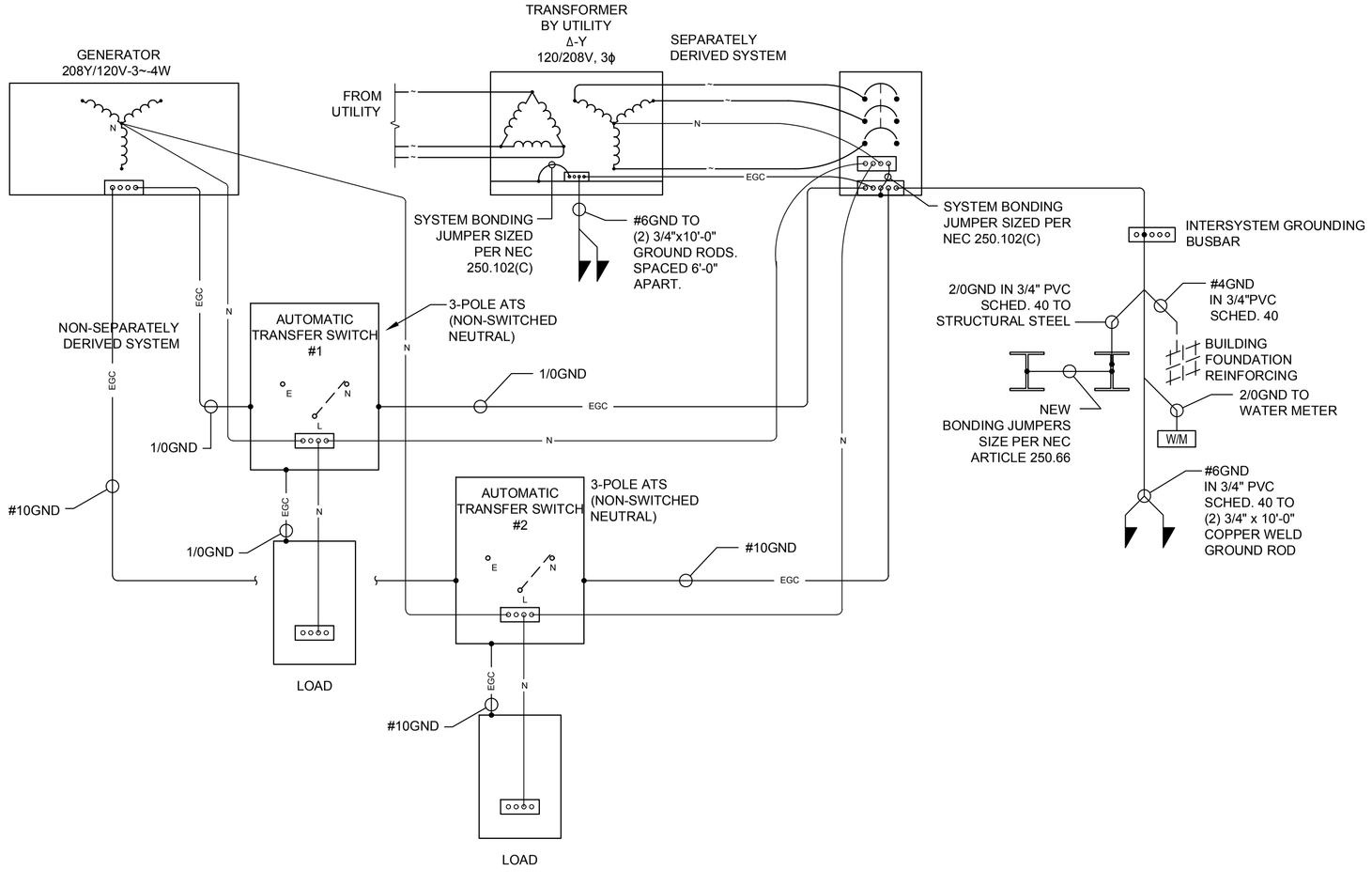
E2.1



SINGLE LINE DIAGRAM - 1000A - 120/208V-3ϕ-4W 60Hz

△1

FAULT	Fx	EQUIPMENT	REMARKS
F0s	35000	UTILITY CO XFORMER	SECONDARY L-L-L
F1	27873	CT CABINET	NORMAL POWER
F2	25857	1200 MAIN	NORMAL POWER
F3	25248	60 MAIN	NORMAL POWER
F4	23699	ATS #1	NORMAL POWER
F5	14547	ATS #2	NORMAL POWER
F6	10217	EE	NORMAL POWER
F7	25219	MDP	NORMAL POWER
F8	23961	A	NORMAL POWER
F9	23265	B	FEED THRU LUGS
F10	4970	C	NORMAL POWER
F11	10607	D	NORMAL POWER
F12	6933	F	NORMAL POWER



GROUNDING DIAGRAM

GROUND ROD TO STRUCTURAL STEEL

GROUNDING NOTES:

1. CONNECT THE SERVICE NEUTRAL CONDUCTOR ACCORDING TO NEC 250.24(A)(1), AND AS IDENTIFIED IN NEC 250.26.
2. IF AN OUTDOOR TRANSFORMER IS SUPPLYING SERVICE TO THE BUILDING, AT LEAST ONE ADDITIONAL GROUNDING CONNECTION SHALL BE MADE FROM THE GROUNDED SERVICE CONDUCTOR TO A GROUNDING ELECTRODE PER NEC 250.24(A)(2).
3. THE MAIN BONDING JUMPER AS WELL AS THE SYSTEM BONDING JUMPER AS IDENTIFIED BY 205.28 SHALL BE SIZED PER 250.102(C)(1).
4. WHEN GROUNDING A SEPARATELY DERIVED SYSTEM FOR A GROUNDED SYSTEM, ALL GROUNDING SHALL BE INSTALLED IN ACCORDANCE WITH 250.30(A).
5. PER NEC 250.52, ELECTRODES PERMITTED FOR GROUNDING INCLUDE: METAL UNDERGROUND WATER PIPE, THE METAL FRAME OF THE BUILDING OR STRUCTURE, AND CONCRETE ENCASED ELECTRODES.
   5.1. WHEN USING THE METAL UNDERGROUND WATER PIPE AS THE GROUNDING ELECTRODE, THE BONDING SHALL BE MADE WITHIN THE FIRST 5 FEET OF ENTERING THE BUILDING.
6. IF A SINGLE GROUND ROD IS BEING USED AS A SUPPLEMENTAL ELECTRODE TO A METAL UNDERGROUND WATER PIPE PER 250.53(D)(2) AND HAS A RESISTANCE OF LESS THAN 25Ω, THEN A SUPPLEMENTAL GROUND ROD IS REQUIRED AND BE SPACED AT 6' APART PER NEC 250.53(A) EXCEPTION AND 250.53(B).
7. THE BONDING JUMPER USED TO CONNECT THE GROUNDING ELECTRODES TOGETHER SHALL BE SIZED PER TABLE 250.66.
   7.1. THE BONDING JUMPER WHERE CONNECTED TO THE SUPPLEMENTAL GROUND ROD IS NOT REQUIRED TO BE LARGER THAN #6 AWG CU OR #4 AWG AL.
8. GROUNDING ELECTRODE CONDUCTOR(S) AND BONDING JUMPERS INTERCONNECTING GROUNDING ELECTRODES SHALL BE INSTALLED IN ACCORDANCE WITH 250.64(F)(1),(2), OR (3).
   8.1. THE GROUNDING ELECTRODE CONDUCTOR SHALL BE PERMITTED TO BE RUN TO ONE OR MORE GROUNDING ELECTRODE(S) INDIVIDUALLY.
   8.2. BONDING JUMPER(S) FROM GROUNDING ELECTRODE(S) SHALL BE PERMITTED TO BE CONNECTED TO AN ALUMINUM OR COPPER BUS BAR NOT LESS THAN 1/4" x 2" AND FASTENED SECURELY TO AN ACCESSIBLE LOCATION.

MAIN DISTRIBUTION PANEL "MDP"

MAINS:	1000	A MLO	**V:**	120/208V		3	**PH.**	4	**WIRE**					
MOUNTING:	SURFACE		**LOCATION:**		ELEC #122				**FED FROM:**		MAIN DISC. VIA ATS #1			
	LOAD				AMPS	CKT	CKT	AMPS					LOAD	
DESCRIPTION	TYPE	A	B	C	POLE	#	#	POLE	A	B	C	TYPE	DESCRIPTION
PANEL A & B		45588				1	2		5200				
			39519		400	3	4	100		2000			PANEL C
				40419		5	6				2700		
PANEL D		16623				7	8		22766				
			10498		200	9	10	200		21428			PANEL F
				11398		11	12				16943		
SURGE SUPPRESSION						13	14		6605				
					60	15	16	90		6605		M	COMPRESSOR (10 HP)
						17	18				6605		
CD-6		1801				19	20		2005				
	HVAC		1801		25	21	22	30		2005		M	COMPRESSOR (5 HP)
				1801		23	24				2005		
CD-1		2162				25	26		1801				
	HVAC		2162		35	27	28	25		1801		HVAC	CD-5
				2162		29	30				1801		
CD-2		2162				31	32	30	1560				
	HVAC		2162		35	33	34			1560		HVAC	CD-4
				2162		35	36	30			1997	EH	WH-2
CD-3		1801				37	38		1997				
	HVAC		1801		25	39	40						
				1801		41	42						
SUBTOTAL #1		70137	57943	59744					41934	35399	32051		**SUBTOTAL #2**
SUBTOTAL #1 + #2		**112071**	**93342**	**91795**									
TOTAL PANEL LOAD:	297.2	KW		825.0	**AMPS**						**DEMANDED:**	813.6	A MINIMUM FEEDER

	Total Connected Load			Demand %		Demand Load						
RECEPTACLES	47.7			100%		47.7						
RECEPTACLES	52.3			50%		26.2						
LIGHTING	15.1			100%		15.1						
MOTORS	26.7			100%		26.7						
KITCHEN	19.9			65%		12.9						
WATER & ELEC HEAT	43.9			100%		43.9						
HVAC	73.5			100%		73.5						
LARGEST MTR	19.8			125%		24.8						
	298.9	kw				270.7	kw					
	829.7	Amps @ 208V				751.5	Amps @ 208V					
Continuous	89.5	x	125%			111.9	kw					
Non-continuous	181.2	x	100%			181.2	kw					
						293.1	kw					
						813.6	Amps @ 208V					
						Minimum feeder size						

LOAD TYPE LEGEND

R - RECEPTACLE
L - LIGHTING
K - KITCHEN EQUIPMENT
EH - ELECTRIC HEAT
H - HVAC
M - LARGEST MOTOR

CIRCUIT BREAKER DESIGNATIONS (TYP)

"G" INDICATES GFIC
"ST" INDICATES SHUNT TRIP DEIVCE
"L" INDICATES RED, LOCK-ON BREAKER

MDP

STATE OF OHIO
KENT D. BUEHRER
54249
REGISTERED PROFESSIONAL ENGINEER
SIGNATURE DATE 06/17/21

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△2 ADDENDUM #2

ISSUE DATE: 06/17/21
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CONSTRUCTION DOCUMENTS

E4.1

PANEL "A"

MAINS:	400	A MLO	V:	120/208V		3	PH.	4	WIRE		FEED THRU LUG
MOUNTING:	SURFACE		LOCATION:	ELEC #122					FED FROM:		MDP

	LOAD				AMPS	CKT	CKT	AMPS				LOAD	
DESCRIPTION	TYPE	A	B	C	POLE	#	#	POLE	A	B	C	TYPE	DESCRIPTION
ELEC RM RECEPT	R	2600			20	1	2	20	1800			R	SHORE PWR
RECEPTACLES	R		800		20	3	4	20		1800		R	SHORE PWR
UH-1	EH			100	20	5	6	20			1800	R	SHORE PWR
DUTY OFFICE	R	800			20	7	8	20	1800			R	SHORE PWR
RECEPTACLES	R		1000		20	9	10	20		1800		R	SHORE PWR
RECEPTACLES	R			800	20	11	12	20			1800	R	SHORE PWR
HAND DRYER	EH	1725			20	13	14	20	1800			R	SHORE PWR
SPARE					20	15	16	20		1800		R	SHORE PWR
EMS VENDING	R			1000	20	17	18	20			1800	R	SHORE PWR
RECEPTACLES	R	800		-	20	19	20	20	1800			R	SHORE PWR
ICE MAKER	K		1000		20	21	22	20					SPARE
VENDING	K			1000	20	23	24	20					SPARE
MEZZ RECEPTACLES	R	800			20	25	26	20	1261			M	OHD #142A, #143E & #143D
MEZZ RECEPTACLES	R		800		20	27	28	20		1261		M	OHD #142A, #143E & #143D
MEZZ CORD REEL	R			200	20	29	30	20			1261	M	OHD #142A, #143E & #143D
F-1	HVAC	1728			20	31	32	20	841			M	OHD #143B & 143C
F-2	HVAC		1236		20	33	34	20		841		M	OHD #143B & 143C
F-3	HVAC			1236	20	35	36	20			841	M	OHD #143B & 143C
F-4	HVAC	1116			20	37	38	20	841			M	OHD #143A & 152A
F-5	HVAC		1236		20	39	40	20		841		M	OHD #143A & 152A
F-6	HVAC			1236	20	41	42	20			841	M	OHD #143A & 152A
EF-6	HVAC	172			20	43	44	20	1000			R	RECEPTACLES
HOT WATER HEATER	R		1000		20	45	46	20		600		R	RECEPTACLES
HOT WATER HEATER	R			1000	20	47	48	20			468	HVAC	IR-d, IR-e, IR-f
CP-1	M	528			20	49	50	20					SPARE
MOTORIZED DAMPER	M		100		20	51	52	20					SPARE
PERGOLA	R			800	20	53	54	20					SPARE
FUTURE GATE					20	55	56	20					SPARE
SPARE					20	57	58	20					SPARE
SPARE					20	59	60	20					SPARE
SPACE						61	62						SPACE
SPACE						63	64						SPACE
SPACE						65	66						SPACE
SPACE						67	68						SPACE
SPACE						69	70						SPACE
SPACE						71	72						SPACE
SPACE						73	74						SPACE
SPACE						75	76						SPACE
SPACE						77	78						SPACE
SPACE						79	80						SPACE
SPACE						81	82						SPACE
SPACE						83	84						SPACE
SUBTOTAL #1		10269	7172	7372					11142	8942	8810		SUBTOTAL #2
SUBTOTAL #1,#2 &B		21411	16114	16182									
TOTAL PANEL LOAD:	53.7	KW		149.1	AMPS						DEMANDED:	302.9	A MINIMUM FEEDER

PANEL "B"

MAINS:	400	A MLO	V:	120/208V		3	PH.	4	WIRE		
MOUNTING:	SURFACE		LOCATION:	ELEC #122					FED FROM:		MDP VIA A

	LOAD				AMPS	CKT	CKT	AMPS				LOAD	
DESCRIPTION	TYPE	A	B	C	POLE	#	#	POLE	A	B	C	TYPE	DESCRIPTION
P.C. & CONTACTOR	R	2600			20	1	2	20	1152			L	LIGHTS
EXT. POLE LIGHTS	L		868		20	3	4	20		1058		L	LIGHTS
EXT. POLE LIGHTS	L			651	20	5	6	20			1000	L	LIGHTS
EXT TOWER LTS	L	590			20	7	8	20	1373			L	LIGHTS
EXT. SOUTH "41"	L		200		20	9	10	20		1282		L	LIGHTS
EXT. FLOOD LTS	L			48	20	11	12	20			300	L	LIGHTS
EXT. BLDG &CANOPY	L	831			20	13	14	20	1540			L	HIGH BAY LTS NORTH
EXT. BLDG &CANOPY	L		940		20	15	16	20		1694		L	HIGH BAY LTS SOUTH
ELECTRONIC SIGN	R			566	20	17	18	20			1000	HVAC	LARGE FANS
ELECTRONIC SIGN	R	566		-	20	19	20	20	1000			HVAC	LARGE FANS
ELECTRONIC SIGN	R		566		20	21	22	20		1200		R	RECEPTACLES
GAS RANGE SHUNT TRIP	K			200	20 ST	23	24	20			1200	R	FLOOR BOXES
						25	26	20	1000			R	80" TV
HOOD &GAS SHUTOFF	K		400		20	27	28	20		800		R	MEDIA CENTER
KITCHEN RECEPT	K			600	20G	29	30	20			800	R	ASSIST CHIEF 113
FRIDGE	K	1500			20G	31	32	20	800			R	ASSIST CHIEF 113
FRIDGE	K		1500		20G	33	34	20		800		R	PLAN REVIEW 112
FRIDGE	K			1500	20G	35	36	20			600	R	PLAN REVIEW 112
FRIDGE	K	1500			20G	37	38	20	800			R	ASSIST CHIEF 111
DISPOSAL &OUTLETS	K		900		20G	39	40	20		1000		R	ASSIST CHIEF 111
DISPOSAL &OUTLETS	K			900	20G	41	42	20			800	R	CHIEF 110
DISHWASHER	K	600			20G	43	44	20	1000			R	WORK ALCOVE
USB OUTLETS	K		400		20G	45	46	20		1500		R	COPIER
COFFEE MAKER	K			500	20G	47	48	20			600	R	EXEC ASSIST 107
RECEPTACLES	R	1000			20	49	50	20	600			R	EXEC ASSIST 107
RECEPTACLES	R		600		20	51	52	20		600		R	CHEM SYS & RECEPT
HAND DRYER	EH			1725	20	53	54	20			1500	R	WASHER
SPARE					20	55	56	30	1500			EH	DRYER
FREEZER	K		1800		20G	57	58			1500			
FREEZER	K			1800	20G	59	60	20			800	R	RECEPTACLES
FREEZER	K	1800			20G	61	62	20	1725			EH	HAND DRYER
UC FRIDGE	K		500		20G	63	64	20					SPARE
UC ICE MAKER	K			500	20G	65	66	20			1725	EH	HAND DRYER
MICROWAVE	K	500			20G	67	68	20					SPARE
COFFEE MAKER	K		500		20G	69	70	20		600		R	RECEPTACLES
RECEPTACLES	R			1000	20	71	72	20			1725	EH	HAND DRYER
GEN. BATTERY	R	200			20	73	74	20					SPARE
GEN. RECEPT	R		200		20	75	76	30		1997		EH	WH-1
GEN. BLOCK HTR	R			200	20	77	78				1997		
SPARE					20	79	80	20					SPARE
SPARE					20	81	82	20					SPARE
SPARE					20	83	84	20					SPARE
SUBTOTAL #1		11687	9374	10190					12490	14031	14047		SUBTOTAL #2
SUBTOTAL #1 + #2		24177	23405	24237									
TOTAL PANEL LOAD:	71.8	KW		199.4	AMPS						DEMANDED:	175.0	A MINIMUM FEEDER

PANEL "C"

MAINS:	100	A MLO	V:	120/208V		3	PH.	4	WIRE		SURGE SUPPRESSION
MOUNTING:	SURFACE		LOCATION:	DATA #202					FED FROM:		MDP

	LOAD				AMPS	CKT	CKT	AMPS				LOAD	
DESCRIPTION	TYPE	A	B	C	POLE	#	#	POLE	A	B	C	TYPE	DESCRIPTION
ACCESS CTRL PNL	R	2600			20	1	2	30					SURGE SUPPRESSION
SECURITY CTRL PNL	R		400		20	3	4						
ALERTING CTRL PNL	R			400	20	5	6	20					SPARE
TECH RACK	R	800			20	7	8	20					SPARE
RECEPTACLES	R		400		20	9	10	20					SPARE
COPIER	R			1500	20	11	12	20					SPARE
RECEPTACLES	R	1000			20	13	14	20					SPARE
RECEPTACLES	R		800		20	15	16	20					SPARE
BATTERY CHARGING	R			800	20	17	18	20					SPARE
RECEPTACLES	R	800		-	20	19	20	20					SPARE
RECEPTACLES	R		400		20	21	22	20					SPARE
SPARE					20	23	24	20					SPARE
SPARE					20	25	26	20					SPARE
SPARE					20	27	28	20					SPARE
SPARE					20	29	30	20					SPARE
SUBTOTAL #1		5200	2000	2700									SUBTOTAL #2
SUBTOTAL #1 + #2		5200	2000	2700					0	0	0		
TOTAL PANEL LOAD:	9.9	KW		27.5	AMPS						DEMANDED:	26.7	A MINIMUM FEEDER

PANEL "D"

MAINS:	200	A MLO	V:	120/208V		3	PH.	4	WIRE		
MOUNTING:	SURFACE		LOCATION:	VESTIBULE #136					FED FROM:		MDP

	LOAD				AMPS	CKT	CKT	AMPS				LOAD	
DESCRIPTION	TYPE	A	B	C	POLE	#	#	POLE	A	B	C	TYPE	DESCRIPTION
IR-a, IR-b, IR-c	HVAC	2600			20	1	2		841				
SPARE					20	3	4	20		841		M	OHD #143L &143k
RECEPTACLES	R			800	20	5	6				841		
RECEPTACLES	R	400			20	7	8		1261				
UC FRIDGE	R		500		20	9	10	20		1261		M	OHD #143J, 143H &143G
RECEPTACLES	R			600	20	11	12				1261		
FLOOR RECEPT	R	1000			20	13	14	20	1000			R	RECEPTACLES
RECEPTACLES	R		600		20	15	16	20		800		R	RECEPTACLES
RECEPTACLES	R			800	20	17	18	20			200	R	CITY DOOR ACCESS
RECEPTACLES	R	800		-	20	19	20	20					SPARE
RECEPTACLES	R		800		20	21	22	20		500		R	TRAINING AMP
VENDING	R			1000	20	23	24	20					SPARE
RECEPTACLES	R	400			20	25	26	20	1725			EH	HAND DRYER
RECEPTACLES	R		600		20	27	28	20					SPARE
RECEPTACLES	R			800	20	29	30	20			1725	EH	HAND DRYER
RECEPTACLES	R	1000			20	31	32	20					SPARE
CARDIAC MONITOR	R		200		20	33	34	20		1000		R	RECEPTACLES
EF-6	HVAC			172	20	35	36	20			1200	R	RECEPTACLES
WH-1	EH	1997			30	37	38	20	1200			R	RECEPTACLES
			1997			39	40	20		1200		R	RECEPTACLES
EWC	R			500	20G	41	42	20			1400	R	RECEPTACLES
RECEPTACLES	R	1200			20	43	44	20	1200			R	RECEPTACLES
C02 CONTROL PNL	R		200		20	45	46	20					SPARE
MOTORIZED DAMPER				100	20	47	48	20					SPARE
SPARE					20	49	50	20					SPARE
SPARE					20	51	52	20					SPARE
SPARE					20	53	54	20					SPARE
SUBTOTAL #1		9397	4897	4772					7226	5601	6626		SUBTOTAL #2
SUBTOTAL #1 + #2		16623	10498	11398									
TOTAL PANEL LOAD:	38.5	KW		106.9	AMPS						DEMANDED:	95.7	A MINIMUM FEEDER

PANEL "F"

MAINS:	200	A MLO	V:	120/208V		3	PH.	4	WIRE		
MOUNTING:	SURFACE		LOCATION:	CORRIDOR #148					FED FROM:		MDP

	LOAD				AMPS	CKT	CKT	AMPS				LOAD	
DESCRIPTION	TYPE	A	B	C	POLE	#	#	POLE	A	B	C	TYPE	DESCRIPTION
HP-1 ⚠1	HVAC	3380			35	1	2	20	600			R	FITNESS
			3380			3	4	20		400		R	RECEPTACLES
RECEPTACLES	R			800	20	5	6	20			400	R	RECEPTACLES
TOOLS	R	400			20	7	8	30	1997			EH	WH-1
TOOLS	R		400		20	9	10			1997			
RECEPTACLES	R			800	20	11	12	20			1725	EH	HAND DRYER
RECEPTACLES	R	800			20	13	14	20					SPARE
RECEPTACLES	R				20	15	16	20		500		R	EWC
GEAR WASHER	R			1040	20	17	18	20			712	L	LIGHTS
		1040		-		19	20	20	875			L	FITNESS LIGHTS
DRYER	EH		1500		30	21	22	20		600		R	RECEPTACLES
				1500		23	24	20			500	R	RECEPT &UH-1
WASHER	R	1500			20	25	26	20	1920			HVAC	EF-5
WH	EH		1997		30	27	28	20		600		R	RECEPTACLES
				1997		29	30	20			1168	R	DH-1 & EF-6
WH	EH	1997			30	31	32	20	1000			R	RECEPTACLES
			1997			33	34	20		1000		R	RECEPTACLES
RECEPTACLES	R			600	20	35	36	20			800	R	BATTERY CHARGING
EF-8 ALT #8	HVAC	1656			20	37	38	20	1200			R	RECEPTACLES
EF-8 ALT #8	HVAC		1656		20	39	40	20		1200		R	RECEPTACLES
EF-8 ALT #8	HVAC			1656	20	41	42	20			500	R	INVERTER
EF-8 ALT #8	HVAC	1656			20	43	44	20	200			R	FUTURE IRRIGATION
EF-8 ALT #8	HVAC		1656		20	45	46	20					PUMP &
EF-8 ALT #8	HVAC			1656	20	47	48	20					CONTROL PANEL
EF-8 ALT #8	HVAC	1656			20	49	50	20					FUTURE GATE
EF-8 ALT #8	HVAC		1656		20	51	52	20					SPARE
EF-4	HVAC			889	20	53	54	20					SPARE
		889				55	56	20					SPARE
			889			57	58	20					SPARE
EF-8 CONTROL	HVAC			200	20	59	60	20					SPARE
⚠2 CD-7	HVAC	1373			20	61	62						SPACE
			1373			63	64						SPACE
SPACE						65	66						SPACE
SPACE						67	68						SPACE
SPACE						69	70						SPACE
SPACE						71	72						SPACE
SUBTOTAL #1		16346	16503	11138					7792	6297	5805		SUBTOTAL #2
SUBTOTAL #1 + #2		24138	22800	16943									
TOTAL PANEL LOAD:	63.9	KW		177.3	AMPS						DEMANDED:	170.0	A MINIMUM FEEDER

LIFE SAEFTY PANEL "EE"

MAINS:	40	A MLO	V:	120/208V		3	PH.	4	WIRE		
MOUNTING:	SURFACE		LOCATION:	ELEC #122					FED FROM:		DISCONNECT VIA ATS #2

	LOAD				AMPS	CKT	CKT	AMPS				LOAD	
DESCRIPTION	TYPE	A	B	C	POLE	#	#	POLE	A	B	C	TYPE	DESCRIPTION
EM LIGHTS & EXITS	L	2600			20	1	2	20L	200				FACP
EM LIGHTS & EXITS	L		1353		20	3	4	20					SPARE
EXTERIOR EM LIGHTS	L			393	20	5	6	20					SPARE
SPACE						7	8						SPACE
SPACE						9	10						SPACE
SPACE						11	12						SPACE
SUBTOTAL #1		2600	1353	393					200	0	0		SUBTOTAL #2
SUBTOTAL #1 + #2		2800	1353	393									
TOTAL PANEL LOAD:	4.5	KW		12.6	AMPS						DEMANDED:	10.4	A MINIMUM FEEDER

A	B	C
D	EE	F

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STATE OF OHIO
KENT D. BUEHRER
54249
REGISTERED
PROFESSIONAL ENGINEER
SIGNATURE DATE 06/17/21

NEW CENTRAL FIRE STATION
FOR
OREGON FIRE DEPARTMENT
1040 S. WYNN ROAD
OREGON, OHIO

REVISION SCHEDULE

1	ADDENDUM #1
2	ADDENDUM #2

ISSUE DATE: 06/17/21

JOB NUMBER: 201296

CONSTRUCTION DOCUMENTS

E4.2