

**Addendum No. 2
January 20, 2023**

Project: Baltic High School Addition
Baltic, South Dakota
Arch Project No. 2957

Architect: Architecture Incorporated

Letting: Thursday, January 26, 2023
4:00 PM
Baltic School Library

Scope of this Addendum:

To all bidders and all others to whom drawings and specifications have been issued by Architecture Incorporated, this Addendum forms a part of the Contract Documents. Acknowledge receipt of this addendum by listing its number and date in the bidder's Form of Proposal. Failure to do so may subject bidder to disqualification. This addendum modifies the drawings and specifications as follows:

GENERAL ITEMS:

1) DRAIN TILE – GENERAL CLARIFICATION

- a) All drain tile shall be 4-inch diameter; disregard all reference to 6-inch diameter drain tile.

2) SECTION 042000 – UNIT MASONRY ASSEMBLIES

- a) See below for identification of the two (2) pre-approved brick selections for brick veneer Color 2:

- i) Replace Article 2.5.B.4.b. with the following:

- b. Color 2 (Accent): Endicott – LIGHT SANDSTONE***

- 1) Texture: Velour.***

- ii) Add Article 2.5.B.4.c. as follows:

- c. Color 2 (Accent): Hebron Brick Company – CHAMPAGNE.***

- 1) Texture: Velour.***

3) SECTION 096519 – RESILIENT TILE FLOORING

a) Modify Article 2.2.C.1. as follows:

1. ADD ALTERNATE #5

a. *LVT-1*

- 1) *Manufacturer: Tarkett ID Latitude.*
- 2) *Style: Color Zone.*
- 3) *Color: To Be Determined (Grey).*
- 4) *Size: 9"x36".*
- 5) *Installation: Vertical Ashlar.*
- 6) *Wear Layer Thickness: 20 mil.*
- 7) *Overall Thickness: 3mm.*
- 8) *Finish: Techtonic.*

b. *LVT-2*

- 1) *Manufacturer: Tarkett ID Latitude.*
- 2) *Style: Color Zone.*
- 3) *Color: To Be Determined (Blue).*
- 4) *Size: 9"x36".*
- 5) *Installation: Vertical Ashlar.*
- 6) *Wear Layer Thickness: 20 mil*
- 7) *Overall Thickness: 3mm.*
- 8) *Finish: Techtonic.*

4) SECTION 116623 – GYMNASIUM EQUIPMENT

- a) CLARIFICATION: The basketball goal height adjusters specified per Article 2.3.C.3. shall only be required at the secondary basketball hoops; do not provide height adjusters on main court.
Qty: 4 total.
- b) Omit Articles 2.5.C. and 2.5.D. in their entirety. Wall padding and handrail padding shall not be required.

5) SECTION 142400 – HYDRAULIC ELEVATORS

- a) CLARIFICATION: Schumacher Elevator's *Holeless MRL Hydraulic Elevator* will be deemed acceptable / equivalent to the Basis-of-Design product specified in Section 142400 provided Schumacher Elevator includes all ancillary items in their bid, including but not limited to HM door frame, wood door, door hardware, and steel lintel, all of which must exactly match the products being furnished by the successful General Contractor.

6) SECTION 220400 – PLUMBING

- a) Add the following to Section 220400:

WATER SERVICE MAIN:

Furnish and install a water service main from the existing City water main as shown on the Drawings. The connection to the existing water main shall be made with a tee connection with a valve or a Smith tap connector. The service shall be installed with a valve and valve box located

where shown on the Drawings. The water meter and the valve and valve box shall be purchased from the City or shall be of the type approved by the City. All outside water piping shall be installed at a minimum depth of 6'-0" below finished grade.

All underground piping for fire mains shall be installed, clamped, anchored, flushed and hydrostatically pressure tested according to the requirements of the authorities and agencies having jurisdiction and NFPA Pamphlets No. 13 and 24.

The Contractor shall furnish and install all concrete thrust blocks required for anchoring of the underground fire main. Thrust blocks shall be capable of restraining piping at test pressure of 200 psig.

- b) Add the following to Section 220400:

MIXING VALVE:

Furnish and install a Lawler Model 802 or equal thermostatic mixing valve where shown on the Drawings.

The valve shall have a range from 90 degrees F. to 120 degrees F.

Temperature adjustment control shall be tamper-resistant.

Water mixing valve shall be of the thermostatic type with liquid filled thermal motor. It shall have bronze body construction with replaceable corrosion resistant components. Valve construction shall employ a sliding piston control mechanism. Sliding piston and liner shall be of stainless steel material. Valve shall come equipped with union end stop and check inlets with removable stainless steel strainers. Valve shall provide protection against hot or cold supply line failure and thermostat failure.

Valve capacity range shall be 2 gpm to 65 gpm at a maximum pressure differential of 30 psi. The valve shall control within +/- 3 of the setpoint throughout the adjustment range. Valve shall comply with ASSE 1017.

Valves shall be MCC Powers, Lawler, Symmons, T & S Brass, Leonard or equal

7) SECTION 220600 – HEATING

- a) Add the following to Section 220600:

ICE STORAGE TANKS:

The modular ice storage tank design shall incorporate structure and storage fluid containment in a one-piece (sides and bottom) seamless tank designed for a minimum 25-year service life and shall be constructed solely of corrosion-resistant materials.

The tanks shall deliver 150 tons of cooling for a 5.5 hour period with entering temperatures of 58 degrees and leaving at 42 degrees of 40 percent P.G. The tank system shall have a combined storage of 986 ton-hours. The tanks shall be able to be regenerated in 10 hours with a 23 degree P.G. solution temperature.

The ice tanks and tank covers shall be suitable for installation above or below ground with a maximum 12 inch deep covering, and shall produce a floor loading of no more than 391 pounds per square foot.

The ice tank farm shall be modular and capable of being individually isolated so that each tank may be serviced without interrupting the operation of the total system for system reliability. The tanks shall have opposite or same end connections as shown on plans. Mechanical contractor shall provide isolation valves for ice storage tanks for field installation and insulation.

The ice tank shall consist of a seamless one-piece design manufactured with high-density rotationally molded corrosion resistant polyethylene with an average thickness of 3/8 inch.

Stainless steel vessels will also be considered. Galvanized tanks are not acceptable. Stainless steel tanks shall be reinforced with full width structural angles underneath on all FOUR sides, and all seams are welded to ensure watertight construction.

Manufacturer of metal tanks must also provide an extra containment pool liner for installation after 10 years of operation.

The fluid containment barriers shall each have a minimum tear resistance of greater than 12,000 lbs./inch minimum in BOTH directions according to ASTM-1004A zinc rich compound shall be applied to all exposed edges and welds. Ice tank and fluid containment shall be warranted as designated under warranty section.

The phase change water containment integrity shall be totally repairable without removing the internal ice tank heat exchanger.

All acceptable thermal storage tanks must be designed to withstand, without damage or distortion, repeated cycles of total freezing of ALL water within it due to control malfunctions or ambient temperatures for warranty period.

All acceptable thermal storage vessels must be capable of being re-deployed for use at other sites with remaining specified original warranty in force.

Manufacturers of thermal storage tank vessels shall provide, install, and warrant tank phase change water level float switches to monitor high and low water levels, and emergency water levels for proper operation if required by installation manual. Manufacturer shall include the installation cost of the control points for the building automation system to the required switches in quote. Float switches shall be part of the ice tank warranty.

Manufacturers of thermal storage tank vessels shall provide, install, and warrant all heat tracing tape required for inventory meters, site glasses, and connections.

The ice tank shall contain a spiral-wound, mat type heat exchanger consisting of translucent 5/8 inch O.D. tubing arranged in multiple parallel circuits with opposite direction of flow in adjoining tubes for even ice making and melting. Tubes shall be connected to internal headers with all welded polyethylene construction.

Manufacturers of thermal energy storage heat exchangers using tubes less than 1/2 inch inside diameter must provide, install and warrant a self-cleaning 5 micron glycol fluid filter and strainer system to filter glycol entering tank farm to eliminate tube blockages at in heat exchanger tubes.

Steel heat exchanger tubes (1.05" O.D.) may be used provided steel framework is hot dip galvanized after fabrication and coated as directed above in tank specification with PLASITE 7122 HAR. All ice tank heat exchangers shall be warranted as specified elsewhere.

The heat exchanger designs must withstand a 90 psi maximum operating pressure and have a minimum burst pressure rating of 300 psi. To avoid capacity reducing ice caps, heat exchanger tubes shall be totally submerged in the freezing liquid, and shall be kept evenly spaced by plastic spacer strips.

Heat transfer fluid temperature drops across the heat exchanger in the charging mode must be large enough to permit full fluid flow through the ice making ethylene glycol chiller. Bypass of fluid around the ice making ethylene glycol chiller in the charging mode is not acceptable.

Multiple modular thermal storage tank systems shall be piped parallel in reverse return for self-balancing. At design conditions the ice tank flow shall not change greater than 3% by varying the pressure across the tank farm by one foot (.043psi). Manufacturers unable to meet this criterion must provide install and warrant circuit setters for each tank in the farm. Manufacturer must provide pressure drop curves of ice tank with submittal package.

Each ice tank heat exchanger and its associated piping shall be factory hydrostatically pressure tested to a minimum of 300 PSI after tank insertion, not prior. Follow manufacturers' recommendations. Four inch-flanged connections can be used if approved by manufacturer.

Manufacturers of thermal storage tanks must provide and warrant pressure relief valves between the tank and system connection if required by ice tank manufacturer.

Covers shall be provided for all ice modules and/or tanks.

Covers shall also support the weight of an average adult person (200 pounds) at any point on the tank farm.

Covers shall be in modular sections that can be readily lifted, removed, and replaced by two men. Each section shall weigh no more than 250 pounds, and shall have smoothed edges or handles for easy and safe gripping.

Each vessel shall have at least one inspection port in the cover, which can be used for visual inspection, determining liquid level, and for filling the vessel with water, without removing the cover(s).

Covers for steel vessels shall be a minimum of 16 gauge of same type used on sides and bottom.

The bottom, sides and cover(s) of each vessel shall be factory insulated with expanded polystyrene. Insulation on the interior of the structural containment vessel is unacceptable.

Manufacturer must provide adequate insulation to limit standby losses not to exceed one percent of the total stored capacity when in an 85 degree F. environment for a period of twenty-four hours.

For plastic vessels that freeze solid the bottom and the sides of the tank shall be insulated externally with a minimum of two inches of extruded polystyrene or polyurethane applied in overlapping layers having a minimum R- factor of nine (9). Insulation of sides shall be covered with a .032-inch thick aluminum jacket for protection and reflectance. Insulation with direct access to or contact with the storage fluid or ambient air is not acceptable.

For stainless steel vessels that do not freeze solid, insulation meeting the standby loss criteria shall be applied between the exterior of the containment wall or pool type liner and the interior of the structural support system. Insulation of sides and bottom of vessel shall be covered with a minimum 30 mil thick PVC or EPDM impermeable liner, with all seams and joints double lapped and solvent welded. All fastening materials used to hold the liner in place shall be non-corrosive plastic, or stainless steel.

Non-closed cell insulation is not allowed.

Hydrostatically flush clean and field pressure test all piping external to thermal storage tanks as specified elsewhere to remove welding slag, flux, and dirt. If hydrostatic test is with water the ice tanks must not be a part of this test and shall be valved off to eliminate filling the ice tanks with water, which cannot be easily replaced with the pre-mixed glycol. After successful completion of the test, drain the system and add premixed glycol to the system as described in another part of the specification. Upon completion of the filling and removal of air, pressure-test the ice tanks in accordance with manufacturers recommendations.

The system shall be filled with a pre-mixed glycol solution resulting in a minimum three parts de-ionized water to one part inhibited glycol (30% mixture or greater as specified elsewhere). The solution shall be thoroughly mixed by the chemical supplier. Field mixed glycol, automotive glycol, and field inhibited glycol is not acceptable.

A lug type, full flow shut off valve shall be included by the contractor in the supply and return lines of each tank on the system side of the removable flexible connector (if required). Liquid level and/or pressure switches in the expansion tank shall provide glycol system leak protection.

Tank bottoms shall be level and supported over the entire area and insulated from their supporting surface with insulation supplied by the tank manufacturer. Non-plastic tanks must be set on pressure treated Douglas Fir sleepers. Metal tank manufacturers must provide a factory applied mastic coating for corrosion protection and a field installed cathodic corrosion protection system for each tank.

The thermal storage farm system shall be provided with one ice inventory-measuring device, which will indicate the amount of ice available at any time within an accuracy of +/- 5 percent. This inventory-measuring device shall also be equipped with an electric transducer capable of producing a 4 - 20 ma. signal which can interface with the building automation system. This device is for indication only, not for control of ice system.

The ice tank manufacturer shall supply ten years of water treatment chemicals required for treatment of the phase change water against biological growth and tank corrosion. The treatment must eliminate algae, bacteria, and metal corrosion (if metal tanks supplied). The submittal documents must contain the name(s), and quantities required for the ten-year chemical treatment. Rules for handling, storing, amount of room required for storing, rules for handling, and rules for application must also be provided. Manufacturer of ice tank must provide factory-trained personnel annual inspection for heat exchanger and tank corrosion during warranty period shown below.

Manufacturer of ice tanks shall provide parts warranty for phase change fluid containment, float switches, heat tracing tape, tank pressure relief valves if required, sight glass, insulation, corrosion, and structure of tank for ten years from date of shipment to jobsite. If containment cannot be repaired in the field during warranty period manufacturer must provide a replacement

tank. Repair of vessel at factory is not allowed in warranty period without a replacement. Shipping and rigging costs are to be a part of the manufacturer's warranty.

Manufacturer of ice tanks must provide complete parts warranty for ice tank heat exchanger integrity and ice inventory meter and/or ice thickness meter for five years from date of shipment to job site. If removal of tank heat exchanger is required for repair of tank or heat exchanger, tank manufacturer shall provide labor for heat exchanger removal, repair, and replacement during containment warranty period.

Ice tank systems shall be Calmac, Fafco, BAC, EVAPCO or equal.

8) SECTION 277300 – GYM SOUND REINFORCEMENT SYSTEM

- a) Article 2.2.A: Amplifiers shall be QSC “CX-Q2K4” series in lieu of “CXD” series.

9) SECTION 277330 – COMMONS SOUND REINFORCEMENT SYSTEM

- a) Article 2.4.B: The DSP shall be QSC CORE NANO with QIO-M14i and QIO-L40 modules in lieu of the Core8 flex DSP.
- b) Article 2.4.C: Amplifiers shall be QSC “CX-Q” series in lieu of “CX” series.
- c) Add Article 2.4.I: Network switch shall be a Netgear GSM4212PX-100NAS 8-port 10/100 switch with power over ethernet.
- d) Article 3.1.C: Cabling shall be allowed to be installed in accordance with article 3.1 of specification section 277260 in lieu of metal conduits and/or raceways.

10) SECTION 277400 – COMMUNICATIONS AND DATA-PROCESSING EQUIPMENT

- a) Delete all references to category 6. The copper cabling system shall be a category 6A system (including Article 1.7.A.1).

11) SECTION 312100 – EARTHWORK

- a) Revise Article 3.24 to read as follows:

3.24 DISPOSAL OF SURPLUS AND WASTE MATERIALS

A. Disposal: Remove all waste material, including unsatisfactory soil, trash, and debris, and legally dispose of it off Owner's property.

1. The Owner shall retain possession / Ownership of all surplus satisfactory (clay) soil materials.

B. Stockpiling: The Contractor shall transport and stockpile 19,000 cubic yards of satisfactory (clay) soil material at the residential development located directly east of the Project site (immediately east of 474th Avenue). Exact location of stockpile to be determined with Owner and Developer at later date.

1. All remaining satisfactory (clay) soil material shall be transported, spread and compacted (to not less than 95% Standard Proctor) at the development property located immediately north and west of the west end of Bulldog Avenue; reference parcel bordered by Lovely Avenue, 3rd Street, Ash Avenue and 2nd Street.

C. Topsoil: Spread surplus satisfactory topsoil materials in thickness(es) and at locations as directed by Architect.

1. The Owner shall retain possession / Ownership of all surplus satisfactory topsoil (black dirt) materials.
2. Satisfactory topsoil (black dirt) materials shall **[not]** be removed from the site.
3. If the amount of satisfactory topsoil (black dirt) materials exceeds the amount that can be spread on site the Owner will identify a location on the project site for stockpiling excess black dirt.

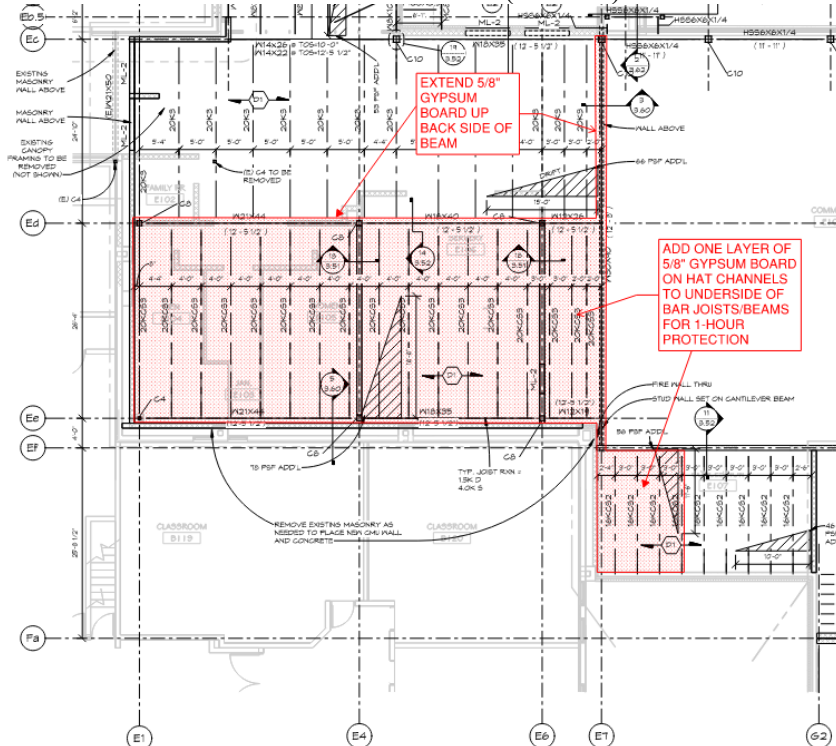
12) SECTION 321216 – ASPHALT PAVING

13) Replace Article 2.1.A.1.a. with the following:

- a. Mineral aggregate shall conform to **Section 880** of the Standard Specifications for **SDDOT Class E, Type 1 and Type 2 or Class G, Type 1 and Type 2.**

14) SHEET 1.20 – CODE PLAN – FIRST FLOOR

- a) Provide 5/8” gypsum board over hat channels on bottom of steel bar joists/beams from grid E1 to E7 and grids Ed to Ee and in Concessions E107 from fire wall out 10’-0 east as shown in hatched area over roof framing plan below. This occurs along the 2-hour fire wall between existing and new construction. Along grid Ed, return gypsum board vertically to roof deck as shown on revised detail 3/5.42 on revised sheet 5.42 (attached).



15) SHEET 2.10 – SITE SURVEY

- a) Civil drawing Sheet 2.10 has been updated to include existing contours.
 - i) Reference revised civil drawing Sheet 2.10, revision dated 1-20-23, attached to the end of this addendum for additional information.

16) SHEET 2.31– ENLARGED SITE PLAN (NORTH PARKING)

- a) Omit access aisle signage; no sign required for 8'-0" wide aisle.

17) SHEET 2.32– ENLARGED SITE PLAN (SOUTH PARKING)

- a) Omit access aisle signage; no sign required for 8'-0" wide aisle.
- b) Revise the size and orientation of the concrete mechanical equipment pad(s) for the outdoor chiller and ice storage tanks as indicated per *revised* Sheet 2.32.
 - i) See clouded plan note for concrete pad thickness and reinforcing size / spacing.
- c) Relocate the electrical transformer as indicated per *revised* Sheet 2.32.
- d) Reference revised drawing Sheet 2.32, revision dated 1-20-23, attached to the end of this addendum for the changes identified above.

18) SHEET 2.51– OVERALL SITE PLAN

- a) CLARIFICATION: Sidewalk trench drain referenced in Keynote 35 shall be omitted. Disregard all reference to sidewalk trench drain.
 - i) Reference revised civil drawing Sheet 2.51, revision dated 1-20-23, attached to the end of this addendum for additional information.

19) SHEET 2.52– OVERALL GRADING PLAN

- a) Civil drawing Sheet 2.52 has been updated to include existing contours.
 - i) Reference revised civil drawing Sheet 2.52, revision dated 1-20-23, attached to the end of this addendum for additional information.
- b) CLARIFICATION: The Owner shall maintain Ownership of all surplus satisfactory soil materials, including all satisfactory clay materials and all black dirt as specified per Section 312100 via Addendum #2.

20) SHEET 2.60– GRADING AND SPOT ELEVATIONS PLAN

- a) Civil drawing Sheet 2.60 has been updated to include existing contours.
 - i) Reference revised civil drawing Sheet 2.60, revision dated 1-20-23, attached to the end of this addendum for additional information.
- b) Retaining Wall Clarifications:

- i) In general, the elevation of the top of the large block segmented retaining wall on the east side of the Project shall follow the finished grade elevations shown on the drawings.
- ii) For bidding purposes, the T.O. Wall elevation at the SE corner of WOOD H110 shall be assumed to be roughly 1522.00.
- iii) The bold lines shown along the length of the retaining wall on Sheet 2.60 shall represent segments of the retaining wall and the T.O. Wall elevations shall step accordingly at each location to closely follow finished grade. (typ)
- iv) The 48-inch high chain link fencing that is shown on top of this retaining wall assembly shall also step at these same locations.

21) SHEET 2.81– WATER AND SANITARY PLAN & PROFILE

- a) A 4” domestic water service has been added to the 6” water service plan and profile.
 - i) Reference revised civil drawing Sheet 2.81, revision dated 1-20-23, attached to the end of this addendum for additional information.

22) SHEET 2.82– STORM SEWER PLAN & PROFILE

- a) NORTHWEST STORM SEWER: JB-1 layout has been adjusted to match building stub out locations.
- b) SOUTH LOT STORM SEWER: JB-8 has been added and the associated storm piping alignment has been revised to avoid relocation of electrical transformer; reference revised electrical drawing Sheets included with Addendum #2 for additional information.
- c) Reference revised civil drawing Sheet 2.82, revision dated 1-20-23, attached to the end of this addendum for additional information.

23) SHEET 3.20-1F – FOUNDATION PLAN – AREA F

- a) Add footing step south of ELEV F101 as indicated per revised structural drawing Sheet 3.20-1F.
- b) Revise foundation locations and sizes around GYMNASIUM F103 walls per clouds on revised structural drawing Sheet 3.20-1F.
- c) Revise foundation sizes at BOYS and GIRLS LOCKER rooms per clouds on revised structural drawing Sheet 3.20-1F.
- d) Reference revised drawing Sheet 3.20-1F, revision dated 1-20-23, attached to the end of this addendum for structural changes listed above.

24) SHEET 3.20-1G – FOUNDATION PLAN – AREA G

- a) Add detail cut reference 15/3.40 at south wall of LEARNING CENTER G128 (ref: ADD ALT area).
- b) Add “WF2.6” footing tags where shown at clouded locations on revised structural drawing Sheet 3.20-1G.

- c) Reference revised drawing Sheet 3.20-1G, revision dated 1-20-23, attached to the end of this addendum for structural changes listed above.

25) SHEET 3.20-2F – SECOND FLOOR FRAMING PLAN – AREA F

- a) Add double slab edge pour stops and expansion joint gap along gridline Fb between grids G4 and E13 as noted per revised structural drawing Sheet 3.20-2F.
- b) Add lintels at double CMU wall along CORRIDOR F104 per clouds on revised structural drawing Sheet 3.20-2F.
- c) Revise beam spans at northeast and southeast corner of GYMNASIUM F103 as shown per revised structural drawing Sheet 3.20-2F.
- d) Provide connections for beam reactions shown on revised structural drawing Sheet 3.20-2F.
- e) Modify precast wall openings at southeast corner of GYMNASIUM F103 as shown on revised structural drawing Sheet 3.20-2F.
- f) Add beam size designation at beam along gridline Fg between grids G4 and E13 as shown on revised structural drawing Sheet 3.20-2F.
- g) Add lintels at openings where clouded on revised structural drawing Sheet 3.20-2F.
- h) Provide masonry bond beam lintels over door opening F102.
- i) Reference revised drawing Sheet 3.20-2F, revision dated 1-20-23, attached to the end of this addendum for structural changes listed above.

26) SHEET 3.20-2G – SECOND FLOOR FRAMING PLAN – AREA G

- a) Add lintel beam size designation at CMU wall opening along gridline Fg where clouded on revised structural drawing Sheet 3.20-2G.
- b) Add detail reference 6/3.66 at east and south exterior wall of CLASSROOM G112B (ref: ADD ALT area) as shown on revised structural drawing Sheet 3.20-2G.
- c) Reference revised drawing Sheet 3.20-2G, revision dated 1-20-23, attached to the end of this addendum for structural changes listed above.

27) SHEET 3.20-2H – ROOF FRAMING LOW / MEZZANINE FLOOR FRAMING PLAN – AREA H

- a) Add lintels around RECEIVING H101 per clouds on revised structural drawing Sheet 3.20-2H.
- b) Change detail references at INSTRUMENT STORAGE H112 & H117 per clouds on revised structural drawing Sheet 3.20-2H.
- c) Provide masonry bond beam lintels over door openings 113-1, H114, H115, H116, H121-1 & H121-2.
- d) Provide masonry bond beam lintels over borrowed lite openings in Office H114 & Office H116.

- e) Reference revised drawing Sheet 3.20-2H, revision dated 1-20-23, attached to the end of this addendum for structural changes listed above.

28) SHEET 3.20-3F – ROOF FRAMING HIGH – AREA F

- a) Change section cut reference 5/3.51 to 1/3.50 found along gridline E13 at west precast wall of GYMNASIUM as indicated per revised structural drawing Sheet 3.20-3F.
- b) Modify precast wall openings at southwest corner of GYMNASIUM per clouded area on revised structural drawing Sheet 3.20-3F.
- c) Provide masonry bond beam lintels over door opening F202.
- d) Reference revised drawing Sheet 3.20-3F, revision dated 1-20-23, attached to the end of this addendum for structural changes listed above.

29) SHEET 3.40 – DETAILS - FOUNDATION

- a) Revise detail 15 as indicated per revised drawing Sheet 3.40, revision dated 1-20-23, which is attached to the end of this addendum.

30) SHEET 3.41 – DETAILS - FOUNDATION

- a) Reference structural Detail 5/3.41: Add footing width dimension of “2’-4” UNO” in lieu of “SEE PLAN”.
- b) Omit structural Detail 6/3.41 in its entirety; not applicable.
- c) Revise structural Detail 7/3.41 as indicated per revised drawing Sheet 3.41.
- d) Reference revised drawing Sheet 3.41, revision dated 1-20-23, attached to the end of this addendum for structural changes listed above.

31) SHEET 3.52 – DETAILS - MASONRY/STEEL

- a) Omit structural Detail 3/3.52 in its entirety; not applicable.
- b) Omit structural Detail 4/3.52 in its entirety; not applicable.

32) SHEET 3.54 – DETAILS - MASONRY/STEEL

- a) Reference structural Detail 2/3.54: Add clouded plan note as indicated per revised drawing Sheet 3.54.
- b) Reference structural Detail 3/3.54: Add clouded plan note as indicated per revised drawing Sheet 3.54.
- c) Reference revised drawing Sheet 3.54, revision dated 1-20-23, attached to the end of this addendum for structural changes listed above.

33) SHEET 3.64 – DETAILS-FRAMING

- a) Revise structural Detail 7/3.64 as indicated per clouded plan note on revised drawing Sheet 3.64, revision dated 1-20-23, which is attached to the end of this addendum.

34) SHEET 3.65 – DETAILS-FRAMING

- a) Revise structural Detail 1/3.65 as indicated per revised drawing Sheet 3.65.
- b) Revise structural Detail 3/3.65 as indicated per revised drawing Sheet 3.65.
- c) Revise structural Detail 4/3.65 as indicated per revised drawing Sheet 3.65.
- d) Reference revised drawing Sheet 3.65, revision dated 1-20-23, attached to the end of this addendum for structural changes listed above.

35) SHEET 3.66 – DETAILS-FRAMING

- a) Add structural Detail 6/3.66 as indicated per revised drawing Sheet 3.66.
- b) Reference revised drawing Sheet 3.66, revision dated 1-20-23, attached to the end of this addendum for structural changes listed above.

36) SHEET 4.00 – DEMOLITION FLOOR PLAN – AREA A

- a) CLARIFICATION: The Contractor shall remove & replace existing lay-in ceilings and grid to allow for installation of mechanical piping; see mechanical drawings. Salvage tile and grid for re-installation.
 - i) Reference revised drawing Sheet 4.00 attached to the end of this addendum for additional information.

37) SHEET 4.01 – DEMOLITION FLOOR PLAN – AREA B

- a) Classroom B120:
 - i) Remove lay-in ceiling and grid in Classroom B120 to allow for installation of mechanical piping and ductwork; see mechanical drawings. Salvage tile and grid for re-installation.
 - ii) Remove two (2) windows from north wall of Classroom B120. Salvage only one (1) window for re-installation in newly created opening on the east wall of Classroom B120. (Previously were re-locating two windows to east wall).
 - iii) Reference revised drawing Sheet 4.01 attached to the end of this addendum for additional information.
- b) CLARIFICATION: Add Alternate #4 – Science Room Remodel:
 - i) Extent of existing concrete floor slab removal / replacement has been revised slightly on revised drawing Sheet 4.01. The Contractor shall remove the existing masonry wall to a minimum depth of 4 inches below the floor slab to allow for placement of new 4 inch concrete floor slab patch where the wall was removed.

- ii) Reference revised drawing Sheet 4.01 attached to the end of this addendum for additional information.

38) SHEET 4.10-1B – FIRST FLOOR PLAN - AREA B

- a) See attached revised sheet 4.10-1B:
 - i) Add Alternate #4 – Science B141 – see attached for additional concrete floor patch.
 - ii) Classroom B120 – Relocate one (1) existing window to east wall in lieu of two (2) originally shown to be relocated.

39) SHEET 4.10-1E – FIRST FLOOR PLAN - AREA E

- a) CLARIFICATION: The south wall of THEATER E110 shall be a solid 12-inch thick precast concrete wall; disregard all reference to insulated precast wall panels at this wall.

40) SHEET 4.10-1F – FIRST FLOOR PLAN - AREA F

- a) Relocate door F108A as indicated per *revised* drawing Sheet 4.10-1F which is attached to the end of this addendum; shift door north; change door to left hand swing as shown.
- b) Provide a 12” x 16” (solid) precast column adjacent to door F115 as indicated per *revised* drawing Sheet 4.10-1F which is attached to the end of this addendum. Reference structural drawings for additional information.

41) SHEET 4.10-1G – FIRST FLOOR PLAN - AREA G

- a) The cast-in-place concrete retaining wall that occurs immediately east of Classroom G108 shall be located where shown per *revised* Sheet 4.10-1G, dated 1-20-23, which is attached to the end of this addendum.
 - i) Refer to civil and structural drawings for additional information.
 - (1) NOTE: The dimensions and location of this cast-in-place retaining wall shown on *revised* Sheet 4.10-1G shall govern if there are discrepancies between *revised* Sheet 4.10-1G and civil / structural drawing Sheets.
 - ii) The exposed vertical faces of this cast-in-place retaining wall shall be left “aesthetically pleasing”.

42) SHEET 4.10-1H – FIRST FLOOR PLAN - AREA H

- a) Provide 6’-0” wide borrowed lites in the north and south walls of SHOP CLASS H106 in lieu of the 4’-0” wide borrowed lites originally shown.
 - i) Reference *revised* drawing Sheet 4.10 H (attached to the end of this addendum) for borrowed lite locations.
 - ii) See *revised* drawing Sheet 4.31 for the elevation of newly added borrowed lite TYPE 5.

- b) Relocate the Type 3A borrowed lite in the east wall of OFFICE H103; shift BL 8 inches to the north. Reference *revised* drawing Sheet 4.10-1H (attached to the end of this addendum) for additional information.
- c) Provide a surface-mounted fire extinguisher on the north wall of WOOD H110 as indicated per *revised* drawing Sheet 4.10-H (attached to the end of this addendum).
- d) The room dimensions of rooms OFFICE H116, STORAGE H115 and OFFICE H114 have been modified. See *revised* drawing Sheet 4.10-H (attached to the end of this addendum) for revised dimensions.
- e) Revise jamb on the latch side of the door H113-1; refer to *revised* Sheets 4.10-H and 4.31 for *revised* jamb detail 23/4.31 (attached to the end of this addendum) for additional information.
- f) See newly added plan detail 3 / 4.10-1H on revised Sheet 4.10-1H for detail / clarification at the intersection of the segmented retaining wall and the southeast corner of the building in Area G (Wood H110).
- g) Reference revised drawing Sheet 4.01, dated 1-20-23, attached to the end of this addendum for the modifications indicated above.

43) SHEET 4.10-2F – SECOND FLOOR PLAN - AREA F

- a) Provide 12” x 16” (solid) precast columns on each side of the electrical water cooler alcove as indicated per *revised* Sheet 4.10-2F (attached to the end of this addendum). Reference structural drawings for additional information.
 - i) Provide additional CMU wall at each side of electrical water cooler alcove.
- b) Add new SECTION DETAIL TAG 13/5.43 along Grid Fb, as indicated on *revised* Sheet 4.10-2F, dated 1-20-23, attached to the end of this addendum.

44) SHEET 4.10- 2G – SECOND FLOOR PLAN – AREA G

- a) CLARIFICATION: Provide privacy curtains and tracks in NURSE G234 configured as indicated per architectural drawing Sheet 4.20-2G – Second Floor Finish Plan-Area G.
 - i) Disregard General Item No. 30 in Addendum #1 that calls for privacy curtains & track as shown per Sheet 4.60-2G - *Second Floor Furniture Plan–Area G*. General Item No. 30 in Addendum #1 is incorrect.
- b) Omit the semi-recessed fire extinguisher cabinet originally shown at 2nd Floor near grid intersection Ga.3 & G4; not required.

45) SHEET 4.30 - DOOR SCHEDULE

- a) Door A104-1: Provide a gypsum board wall assembly consisting of 3 5/8” steel stud framing with two layers 5/8” gypsum board each side above door A104-1. Extend /seal wall to underside of roof deck and provide firestopping to maintain 2-hour fire wall assembly.
 - i) HM frame jamb depth shall be changed from 5 3/4” to 7 1/8”.

- b) Door A104-2: Provide a gypsum board wall assembly consisting of 3 5/8" steel stud framing with two layers 5/8" gypsum board each side above door A104-1. Extend /seal wall to underside of roof deck and provide firestopping to maintain 2-hour fire wall assembly.
 - i) HM frame jamb depth shall be changed from 5 3/4" to 7 1/8".
- c) CLARIFICATION: Door A102 shall be provided as a part of Add Alternate #2 (Art Room Remodel).
- d) CLARIFICATION: Doors B140-1 & B141 shall be provided as a part of Add Alternate #4 (Science Room Remodel).
- e) Door B140-1: Provide door & frame with 45 minute fire rating.
- f) Door F203-1: The Width & Height of door opening F203-1 shall be 6'-0" x 7'-0".
- g) Door F203-3: The vision panel in each door shall be fire-rated safety glass.
- h) Door F203-4: The vision panel in each door shall be fire-rated safety glass.
- i) CLARIFICATION: Elevator Entrances:
 - i) See Section 142400 for elevator entrance size for elevator door F101.
 - ii) See Section 142400 for elevator entrance size for elevator door F201; disregard elevator entrance size listed in the Door Schedule.
- j) Door G115: Provide Hardware Group 11 at door G115 in lieu of Group 15.
- k) CLARIFICATION: Provide 1-inch insulated laminated safety glass in door G100 and the adjacent sidelite; transom glass shall be 1-inch insulated glass (not laminated).
- l) CLARIFICATION: The glazing installed in the transom above door G200-1 shall be 1-inch insulated glass. The glass in the door and adjacent sidelite shall be 1-inch insulated laminated safety glass.
- m) Door G227-2: Provide and install 1/4" safety glass.
- n) CLARIFICATION: Refer to Detail 24/4.31 for sill detail at door G300.
- o) Door H115: Provide Hardware Group 14 at door H115 in lieu of Group 15.
- p) Door H116: Provide Hardware Group 14 at door H116 in lieu of Group 15.

q) CLARIFICATION: As clarified herein, the Contractor shall supply two (2) door leaves at each door opening listed below. The “double” Door Type (e.g. – DD) is not shown correctly on the Door Schedule for these openings.

- | | | |
|----------|----------|----------|
| • F104 | • G205-2 | • H109 |
| • G101-1 | • H100 | • H111-1 |
| • G101-2 | • H101-1 | • H111-2 |
| • G200-2 | • H104 | • H113-2 |
| • G200-4 | • H105 | • H113-4 |
| • G205-1 | • H108 | • H121-1 |

46) SHEET 4.31 - DOOR DETAILS

a) BORROWED LITE TYPES:

- i) Refer to *revised* Sheet 4.31 (attached to the end of this addendum) for the elevation of newly added borrowed lite TYPE 5.
- ii) Sill height of borrowed lites Type 2, 3A, 3B and 4 shall be changed from 2’-8” to 3’-4”.

b) BORROWED LITE TYPES SCHEDULE:

- i) Refer to *revised* Sheet 4.31 (attached to the end of this addendum) for revised borrowed lite types schedule.
 - ii) CLARIFICATION: The glazing installed in the TYPE 3B borrowed lite in the west wall of PRINCIPAL G232 shall be ¼” clear glass; safety glass not required.
 - iii) CLARIFICATION: The glazing installed in the TYPE 3B borrowed lite in the east wall of OFFICE G224 shall be ¼” clear glass; safety glass not required.
 - iv) CLARIFICATION: The glazing in both of the TYPE 3B borrowed litse in STORAGE G113 shall be ¼” safety glass.
- c) Revise the head and jamb details for door # H131-1; reference *revised* Sheet 4.31 (attached to the end of this addendum) for revised head and jamb details 22 & 23.
- d) Eliminate TYPES indicated in the detail title for Detail 1, 2, 3, 4, 5 and 6; reference *revised* Sheet 4.31 (attached to the end of this addendum) for the revised detail titles.

47) SHEET 4.32 - DOOR DETAILS

a) BORROWED LITE DETAIL TITLE: Eliminate TYPE A from the detail title for Detail 11 and 12.

48) SHEET 5.30 – STAIR AND ELEVATOR – PLAN, SECTION AND DETAILS

- a) CLARIFICATION: Detail 10/5.30 –Concrete floor slab shall extend through the depth of the wall at the elevator entrance opening; coordinate exact detail with elevator supplier.
- b) DETAIL 8/5.30 – Install 1-½” rigid insulation behind ½” treated plywood as indicated in the *revised* Sheet 5.30.

49) SHEET 5.40 – SECTION DETAILS – EXISTING/NEW

- a) Reference *revised* Sheet 5.40 (attached to the end of this addendum) for revised details 1, 2, 3 & 4/5.40.
 - i) Cut existing metal wall panels to allow for installation of thru-wall flashing and new ‘Z’ girt. ‘Z’ girt shall be installed continuous between existing metal building columns.
 - ii) Install 5/8” gypsum board on the underside of the steel bar joists & beams that occur from grid E1 to E7 and grids Ed and Ee.
 - (1) Along grid Ee, return gypsum board vertically to roof deck. Reference revised detail 3/5.42 on sheet 5.42 (attached).
 - (2) General: 5/8” gypsum board shall be required along the 2-hour fire wall between existing and new construction as indicated.

50) SHEET 5.42 – SECTION DETAILS

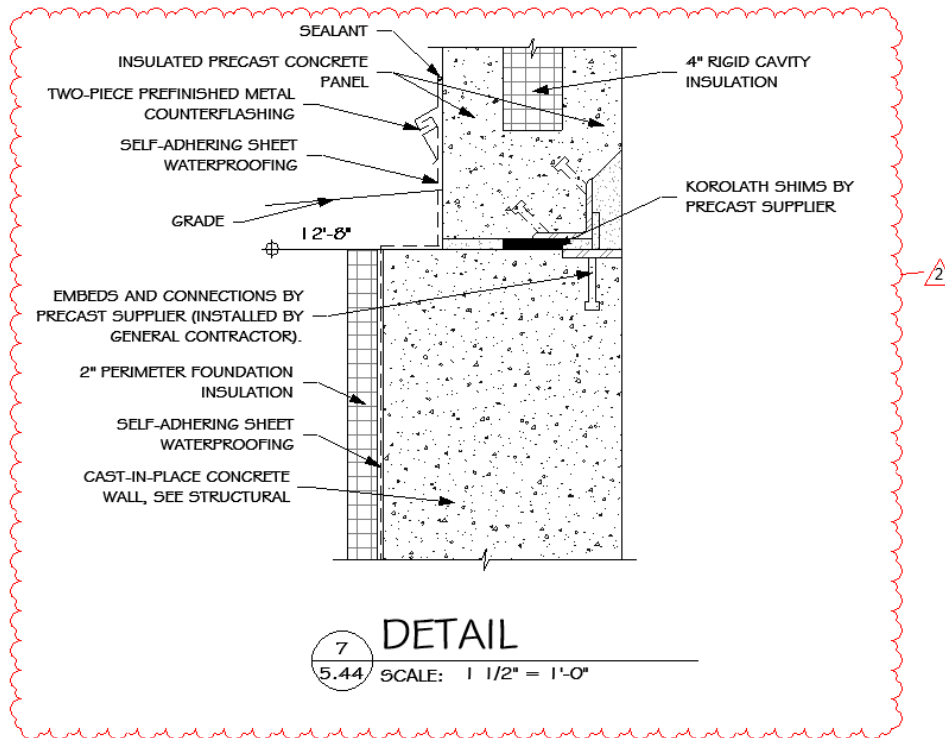
- a) Detail 3/5.42: The Contractor shall install 5/8” gypsum board along the back side of the W30 x 90 beam to provide 1 hour fire protection of this structural element. Gypsum board must extend the full length of beam (along grid E7) and shall be sealed / firestopped to the underside of the roof deck.

51) SHEET 5.43 – SECTION DETAILS

- a) DETAIL 12/5.43: Revise detail 12/5.43 as shown per *revised* drawing Sheet 5.43, dated 1-20-23, attached to the end of this addendum.
- b) DETAIL 13/5.43: Add floor expansion joint detail along Grid Fb as indicated per *revised* drawing Sheet 5.43, dated 1-20-23, attached to the end of this addendum.
 - i) Refer to structural drawings for additional information.
 - ii) Expansion Joint Basis-if-Design Product: Jointmaster Joint System 801-A01/A02 by *InPro Corporation*.

52) SHEET 5.44 – SECTION DETAILS

- a) DETAIL 7/5.44: Extend sheet waterproofing membrane above the grade and install counterflashing as indicated per revised detail 7/5.44; see below.



- b) CLARIFICATION: Omit the perimeter drain tile shown in detail 8/5.44 per Addendum #1; not required.

53) SHEET 5.47 – SECTION DETAILS - THEATER

- a) CLARIFICATION: Omit the perforated drain tile shown beneath the front-of-stage wall in detail 3/5.47 per Addendum #1; not required. Waterproofing shall be installed as shown

54) SHEET 7.11 – CASEWORK ELEVATIONS

- a) Provide a sink base cabinet below the sink in Staff G219 as indicated per architectural drawing SD-1, dated January 20, 2023.
- i) Reference supplemental drawing SD-1, dated January 20, 2023, attached to the end of this addendum for revised casework elevation E/7.11.

MECHANICAL ITEMS:

- 1) **SHEET 8.22 – FLOOR PLAN – DEMOLITION – VENTILATION & A/C**
 - a) Demo boiler flue and combustion air as indicated per revised drawing Sheet 8.22, Addendum 2, dated 1/20/23.
 - i) See revised mechanical drawing Sheet 8.22 attached to the end of this addendum.
- 2) **SHEET 8.30 – UNDERFLOOR PLAN – AREA E - PLUMBING**
 - a) Modify location of mop sink, floor drain, infloor heat manifold & associated piping as indicated per revised drawing Sheet 8.30, Addendum 2, dated 1/20/23.
 - i) See revised mechanical drawing Sheet 8.30 attached to the end of this addendum.
- 3) **SHEET 8.32 – UNDERFLOOR PLAN – AREA G – PLUMBING**
 - a) Modify mop sink location & associated piping as indicated per revised drawing Sheet 8.32, Addendum 2, dated 1/20/23.
 - i) See revised mechanical drawing Sheet 8.32 attached to the end of this addendum.
- 4) **SHEET 8.34 – ENLARGED MECHANICAL ROOM – AREA A – PLUMBING & HEATING**
 - a) MECH A115: Remove domestic hot water master mixing valve & provide a new mixing valve in its place.
- 5) **SHEET 8.36 – FIRST FLOOR PLAN – AREA F – PLUMBING & HEATING**
 - a) BOYS LOCKER F128: Modify fire protection and water service piping as indicated per revised drawing Sheet 8.36, Addendum 2, dated 1/20/23.
 - i) See revised mechanical drawing Sheet 8.36 attached to the end of this addendum.
- 6) **SHEET 8.40 – SECOND FLOOR PLAN – AREA G – PLUMBING & HEATING**
 - a) Corridor G201: Add 2 ½” CW shutoff valve to piping serving JAN G216 as indicated per revised drawing Sheet 8.40, Addendum 2, dated 1/20/23.
 - b) Staff G219: Connect waste & water piping from adjacent sink to dishwasher as indicated per revised drawing Sheet 8.40, Addendum 2, dated 1/20/23
 - c) Reference revised mechanical drawing Sheet 8.40 attached to the end of this addendum.
- 7) **SHEET 8.41 – ENLARGED FIRST FLOOR PLANS – AREAS E, F & G – PLUMBING & HEATING**
 - a) Enlarged First Floor Plan – Area E – Plumbing & Heating:
 - i) JAN E103: Modify location of mop sink, floor drain, infloor heat manifold & associated piping as indicated per revised drawing Sheet 8.41, Addendum 2, dated 1/20/23.

- b) Enlarged First Floor Plan – Locker Area F1 – Plumbing & Heating:
 - i) RR F127: Substitute plumbing fixture designation SH-2 for the SH-3 shown as indicated per revised drawing Sheet 8.41, Addendum 2, dated 1/20/23.
 - ii) BOYS F129: Add water hammer arrestor as indicated per revised drawing Sheet 8.41, Addendum 2, dated 1/20/23.
 - c) Enlarged First Floor Plan – Locker Area F2 – Plumbing & Heating:
 - i) RR F119: Substitute Plumbing Fixture Designation SH-2 for the SH-3 shown as indicated per revised drawing Sheet 8.41, Addendum 2, dated 1/20/23.
 - d) Enlarged First Floor Plan – Area G – Plumbing & Heating:
 - i) JAN G105: Modify location of mop sink, floor drain, infloor heat manifold & associated piping as indicated per revised drawing Sheet 8.41, Addendum 2, dated 1/20/23.
 - ii) JAN G105: Add water hammer arrestor as indicated per revised drawing Sheet 8.41, Addendum 2, dated 1/20/23.
 - e) Reference revised mechanical drawing Sheet 8.41 attached to the end of this addendum for changes identified above.
- 8) SHEET 8.42 – ENLARGED SECOND FLOOR PLANS – AREAS F & G – PLUMBING & HEATING
- a) Enlarged Second Floor Plan – Area F – Plumbing & Heating:
 - i) MECH F211: Modify water meter piping & fire protection and water service piping as indicated per revised drawing Sheet 8.42, Addendum 2, dated 1/20/23.
 - b) Enlarged Penthouse Plan – Area G – Plumbing & Heating:
 - i) Omit unit heater UH-PENT 1 (and all associated piping) in Mechanical Penthouse G300.
 - (1) NOTE: This change is not accounted for on revised drawing Sheet 8.42 included with Addendum #2; omit unit heater as specified here.
 - c) Enlarged Second Floor Plan – Area G – Plumbing & Heating:
 - i) JAN G216: Modify mop sink location & associated piping as indicated per revised drawing Sheet 8.42, Addendum 2, dated 1/20/23.
 - ii) JAN G216: Add water hammer arrestor as indicated per revised drawing Sheet 8.42, Addendum 2, dated 1/20/23.
 - iii) Mothers Room G220: Add trubro waste & water piping protectors & offset waste arm to sink SL-1 as indicated per revised drawing Sheet 8.42, Addendum 2, dated 1/20/23.
 - d) Reference revised mechanical drawing Sheet 8.42 attached to the end of this addendum for changes identified above.

- 9) SHEET 8.60 – FIRST FLOOR PLAN – AREA E – VENTILATION & A/C
- a) See added keynotes indicating fire dampers on revised drawing Sheet 8.60, Addendum 2, dated 1/20/23.
 - i) See revised mechanical drawing Sheet 8.60 attached to the end of this addendum.
- 10) SHEET 8.61 – FIRST FLOOR PLAN – AREA E – VENTILATION & A/C
- a) See added keynotes indicating fire dampers on revised drawing Sheet 8.61, Addendum 2, dated 1/20/23.
 - i) See revised mechanical drawing Sheet 8.61 attached to the end of this addendum.
- 11) SHEET 8.63 – FIRST FLOOR PLAN – AREA H – VENTILATION & A/C
- a) See added keynotes indicating fire dampers on revised drawing Sheet 8.63, Addendum 2, dated 1/20/23.
 - i) See revised mechanical drawing Sheet 8.63 attached to the end of this addendum.
- 12) SHEET 8.64 – SECOND FLOOR PLAN – AREA E – VENTILATION & A/C
- a) See added keynotes indicating fire dampers on revised drawing Sheet 8.64, Addendum 2, dated 1/20/23.
 - i) See revised mechanical drawing Sheet 8.64 attached to the end of this addendum.
- 13) SHEET 8.65 – SECOND FLOOR PLAN – AREA F – VENTILATION & A/C
- a) See added keynotes indicating fire dampers on revised drawing Sheet 8.65, Addendum 2, dated 1/20/23.
 - i) See revised mechanical drawing Sheet 8.65 attached to the end of this addendum.
- 14) SHEET 8.66 – SECOND FLOOR PLAN – AREA G – VENTILATION & A/C
- a) Add a G1 return air grille in rooms G206 & G220 as indicated per revised drawing Sheet 8.66, Addendum 2, dated 1/20/23.
 - b) Add a G1 exhaust grille in room G228 as indicated per revised drawing Sheet 8.66, Addendum 2, dated 1/20/23. Connect to nearby exhaust duct; provide fire damper at rated wall.
 - c) See added keynotes indicating fire dampers on revised drawing Sheet 8.65, Addendum 2, dated 1/20/23.
 - d) Reference revised mechanical drawing Sheet 8.66 attached to the end of this addendum for changes identified above.

15) SHEET 8.70 – SCHEDULES

a) Plumbing Fixture Schedule:

- i) SK-8: Add Trubro waste & water pipe protectors & offset waste arm as indicated per revised drawing Sheet 8.70, Addendum 2, dated 1/20/23.
- ii) See revised mechanical drawing Sheet 8.70 attached to the end of this addendum.

ELECTRICAL ITEMS:

16) SHEET 9.11 – SITE PLAN - ELECTRICAL

- a) See revised electrical drawing Sheet 9.11, revision dated 1-20-23, attached to the end of this addendum for miscellaneous site electrical changes; reference clouded areas.

17) SHEET 9.30 – FIRST FLOOR PLAN – AREA B - ELECTRICAL

- a) See revised electrical drawing Sheet 9.30, revision dated 1-20-23, attached to the end of this addendum for miscellaneous electrical changes in Area B (1st Floor); reference clouded areas.

18) SHEET 9.31 – FIRST FLOOR PLAN – AREA A & E - LIGHTING

- a) See revised electrical drawing Sheet 9.31, revision dated 1-20-23, attached to the end of this addendum for lighting changes in Area E (1st Floor); reference clouded areas.

19) SHEET 9.32 – FIRST FLOOR PLAN – AREA A & E – POWER & SIGNAL

- a) See revised electrical drawing Sheet 9.32, revision dated 1-20-23, attached to the end of this addendum for miscellaneous electrical changes in Area E (1st Floor); reference clouded areas.

20) SHEET 9.34 – FIRST FLOOR PLAN – AREA F – POWER & SIGNAL

- a) See revised electrical drawing Sheet 9.34, revision dated 1-20-23, attached to the end of this addendum for miscellaneous electrical changes in Area F (1st Floor); reference clouded areas.

21) SHEET 9.35 – FIRST FLOOR PLAN – AREA G - ELECTRICAL

- a) See revised electrical drawing Sheet 9.35, revision dated 1-20-23, attached to the end of this addendum for miscellaneous electrical changes in Area G (1st Floor); reference clouded area.

22) SHEET 9.36 – FIRST FLOOR PLAN – AREA H - LIGHTING

- a) See revised electrical drawing Sheet 9.36, revision dated 1-20-23, attached to the end of this addendum for lighting changes in Area H (1st Floor); reference clouded area.

23) SHEET 9.37 – FIRST FLOOR PLAN – AREA H – POWER & SIGNAL

- a) See revised electrical drawing Sheet 9.37, revision dated 1-20-23, attached to the end of this addendum for miscellaneous electrical changes in Area H (1st Floor); reference clouded areas.

24) SHEET 9.43 – SECOND FLOOR PLAN – AREA F – POWER & SIGNAL

- a) See revised electrical drawing Sheet 9.43, revision dated 1-20-23, attached to the end of this addendum for miscellaneous electrical changes in Area F (2nd Floor); reference clouded areas:

25) SHEET 9.44 – SECOND FLOOR PLAN – AREA G - LIGHTING

- a) See revised electrical drawing Sheet 9.44, revision dated 1-20-23, attached to the end of this addendum for miscellaneous lighting changes in Area G (2nd Floor); reference clouded areas.

26) SHEET 9.45 – SECOND FLOOR PLAN – AREA G – POWER & SIGNAL

- a) See revised electrical drawing Sheet 9.45, revision dated 1-20-23, attached to the end of this addendum for miscellaneous electrical changes in Area G (2nd Floor); reference clouded areas.

27) SHEET 9.50 – ELECTRICAL SYMBOLS AND ABBREVIATIONS

- a) See revised electrical drawing Sheet 9.50, revision dated 1-20-23, attached to the end of this addendum for miscellaneous changes to feeder schedule; reference clouded area.

28) SHEET 9.51 – ELECTRICAL SCHEDULES

- a) See revised electrical drawing Sheet 9.51, revision dated 1-20-23, attached to the end of this addendum for miscellaneous changes to lighting schedule; reference clouded areas.

29) SHEET 9.52 – ELECTRICAL SCHEDULES

- a) See revised electrical drawing Sheet 9.52, revision dated 1-20-23, attached to the end of this addendum for miscellaneous changes to electrical schedules; reference clouded areas.

30) SHEET 9.53 – ELECTRICAL SCHEDULES

- a) See revised electrical drawing Sheet 9.53, revision dated 1-20-23, attached to the end of this addendum for miscellaneous changes to electrical schedules; reference clouded areas.

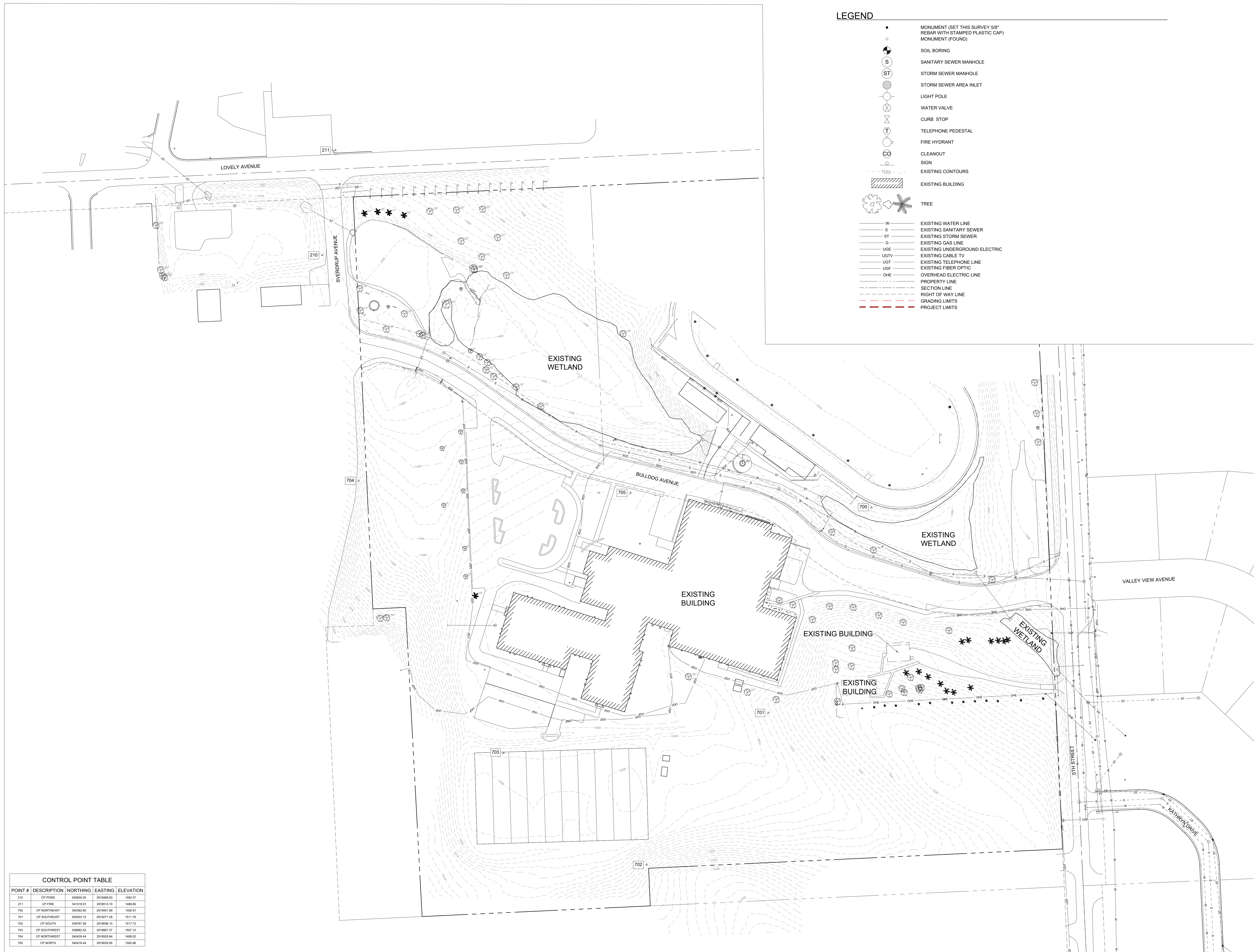
31) SHEET 9.55 – ELECTRICAL DETAILS

- a) Commons Sound System Block Diagram:
 - i) The equalizer/signal processor shall be a QSC DSP in lieu of a TOA DSP.
- b) Gym Sound System Riser Diagram:
 - i) See floor plans for quantity and types of speakers (and the required amplification channels) in lieu of what is shown on the riser diagram; adjust as necessary.
- c) See revised electrical drawing Sheet 9.55 attached to the end of this addendum for additional information.

GENERAL APPROVALS:

The following material or equipment furnished by the manufacturers listed, may be substituted as equivalent providing that each item, material, and piece of equipment conforms to the design and requirement of the specifications.

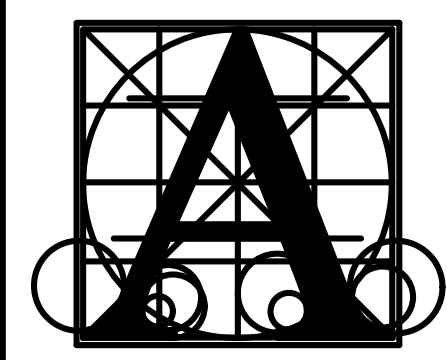
<u>SECTION</u>	<u>ITEM</u>	<u>MANUFACTURER</u>
123216	Manufactured Plastic-Laminate-Faced Casework	Showplace Cabinetry
123623	Plastic-Laminate-Clad Countertops	Showplace Cabinetry
142400	Holeless MRL Hydraulic Elevator	Schumacher Elevators
265110/265210	Interior Lighting/Exterior Lighting	
	Type A Series	Elite, Jademar
	Type C, CE	Cree, Lithonia
	Type D, DE	Lithonia
	Type E, EB, E2, E3, E4, E5	Cree, Emergi-Lite, Lithonia
	Type E6	Emergi-Lite, Lithonia, LSI, Mule
	Type F, FE	Lithonia, LSI, Metalux
	Type G	Canlet, Lithonia, Spectrum
	Type H Series	Lithonia, Vantage
	Type J#, J#E	Finelite, Peerless
	Type K#, K#E	Finelite, Peerless
	Type L	Lithonia, Vantage
	Type M Series	Lithonia, LSI
	Type N2	Airey, Mark, SPI
	Type P, PE	Jademar, Lithonia, Metalux
	Type Q	LDPI, Red Sky, Sonaray
	Type T, TW, T1, T1W	Lithonia, Portfolio, Vantage
	Type TA	BL, FC, Intrigue, Lumux
	Type TS	Aluz, Primus, Tempo
	Type TT	Cree, Elite, Juno
	Type V, VE	LC Doane, Luminaire LED
	Type Y Series	Lithonia, LSI, McGraw-Edison
	Type Z	Lithonia, LSI, Lumark
	Type AA Series	LSI, Lumark, NLS



LEGEND

- MONUMENT (SET THIS SURVEY 5/8" REBAR WITH STAMPED PLASTIC CAP)
- MONUMENT (FOUND)
- SOIL BORING
- SANITARY SEWER MANHOLE
- ST STORM SEWER MANHOLE
- STORM SEWER AREA INLET
- LIGHT POLE
- WATER VALVE
- CURB STOP
- TELEPHONE PEDESTAL
- FIRE HYDRANT
- CLEANOUT
- SIGN
- EXISTING CONTOURS
- ▨ EXISTING BUILDING
- ✪ TREE
- W EXISTING WATER LINE
- S EXISTING SANITARY SEWER
- ST EXISTING STORM SEWER
- G EXISTING GAS LINE
- UGE EXISTING UNDERGROUND ELECTRIC
- UGTV EXISTING CABLE TV
- UGT EXISTING TELEPHONE LINE
- UGF EXISTING FIBER OPTIC
- OHE OVERHEAD ELECTRIC LINE
- PROPERTY LINE
- SECTION LINE
- RIGHT OF WAY LINE
- GRADING LIMITS
- PROJECT LIMITS

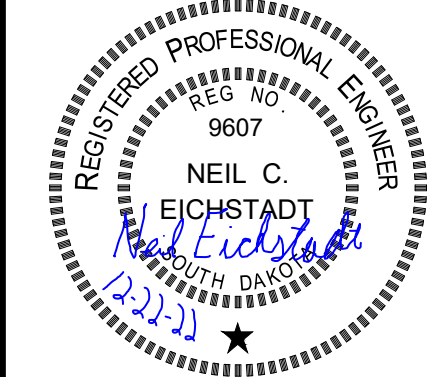
CONTROL POINT TABLE				
POINT #	DESCRIPTION	NORTHING	EASTING	ELEVATION
210	CP POINT	540205.00	2919492.83	1482.07
211	CP FIRE	541018.91	2919513.10	1489.69
700	CP NORTHEAST	540292.80	2919451.89	1500.91
701	CP SOUTHEAST	540033.15	2919271.28	1511.76
702	CP SOUTH	539767.08	2919058.10	1517.73
703	CP SOUTHWEST	539662.53	2918857.37	1507.10
704	CP NORTHWEST	540439.44	2919553.84	1493.92
705	CP NORTH	540418.44	2919520.95	1500.96



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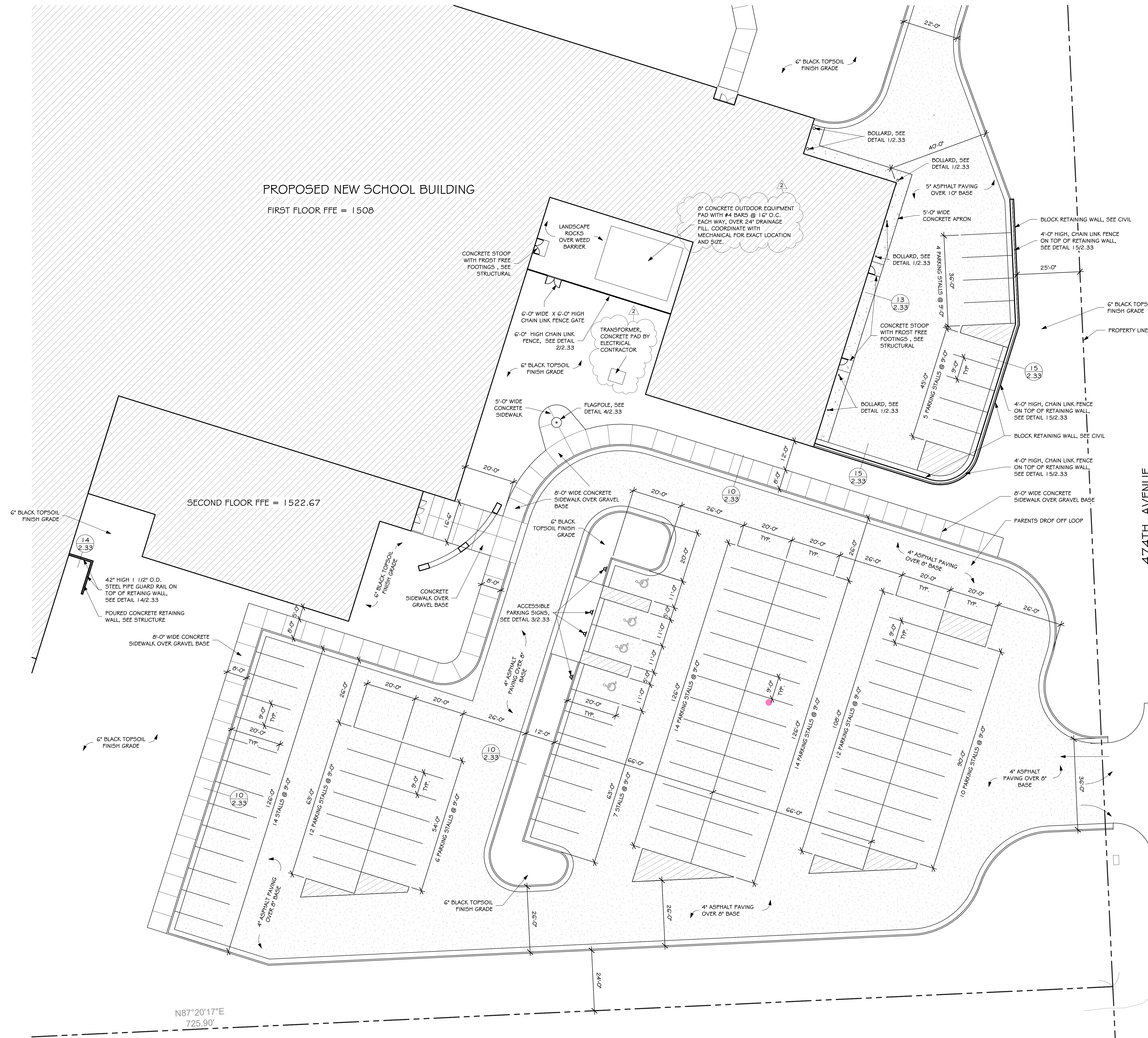
**BALTIC HIGH SCHOOL ADDITION CIVIL SITE
SITE SURVEY**

Project Number	0727.2957.21
Date	12-27-2022
Revision	1
Drawn	SP
Checked	NCE

NO.	DATE	DESCRIPTION
1	01/13/2023	SCALE BAR
2	01/20/2023	ADDENDUM 2

2.10

1/19/2023 2:53:37 PM



GENERAL NOTES - SITE PLAN

A. CONTRACTOR SHALL PROVIDE 6" TOP SOIL FINISH GRADE AT ALL DISTURBED AREAS U.N.O.
 B. SEE MECHANICAL AND ELECTRICAL AND CIVIL FOR ADDITIONAL SITE ITEMS.
 C. SLOPE FINISH GRADE AWAY FROM THE BUILDING.

GENERAL NOTES - SITE PLAN

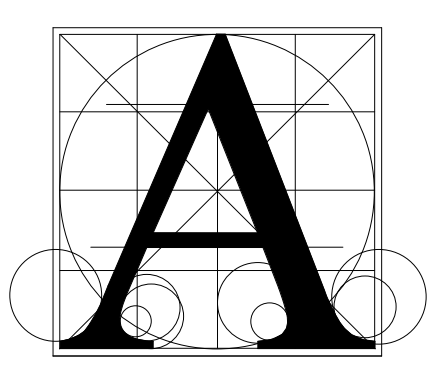
EXISTING PARKING: 85

BASE BID:
 NORTH PARKING (BULLDOG AVENUE) : 33 STALLS (4 ACCESSIBLE PARKING STALLS)
 SOUTH PARKING : 93 STALLS (4 ACCESSIBLE PARKING STALLS)
 SHOPS PARKING : 9 STALLS

BASE BID TOTAL : 135 PARKING STALLS PROVIDED

ADD ALTERNATE # 3 (NORTH PARKING LOT) : 42 STALLS

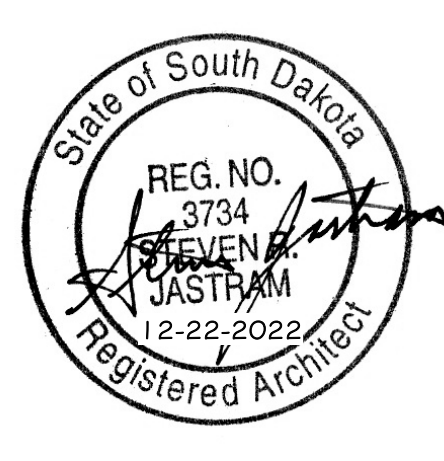
TOTAL: 262 STALLS



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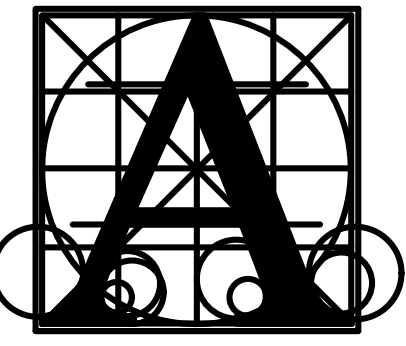


BALTIC HIGH SCHOOL ADDITION

ENLARGED SITE PLAN (SOUTH PARKING)

Project	number	0727.2957.21
	date	12-22-2022
	revision	
	drawn	MS checked SRJ
NO.	DATE	DESCRIPTION
2	1-20-2023	ADDENDUM #2

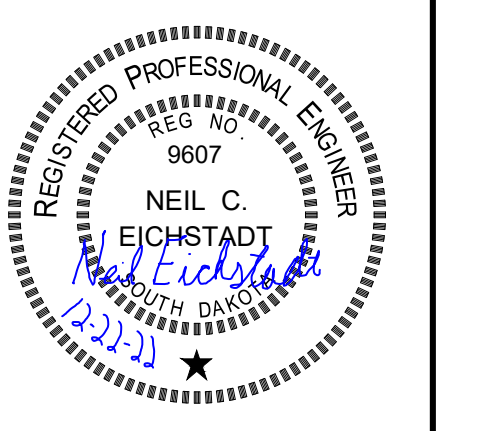
2.32



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BANNER
engineering a better community
BANNER PROJECT NO: 230605.00

BALTIC HIGH SCHOOL ADDITION CIVIL SITE
OVERALL GRADING PLAN

Project Number	0727.2957.21	
Date	12-27-2022	
Revision	1	
Drawn	SP	
Checked	NCE	
No.	DATE	DESCRIPTION
1	01/13/2023	SCALE BAR
2	01/20/2023	ADDENDUM 2

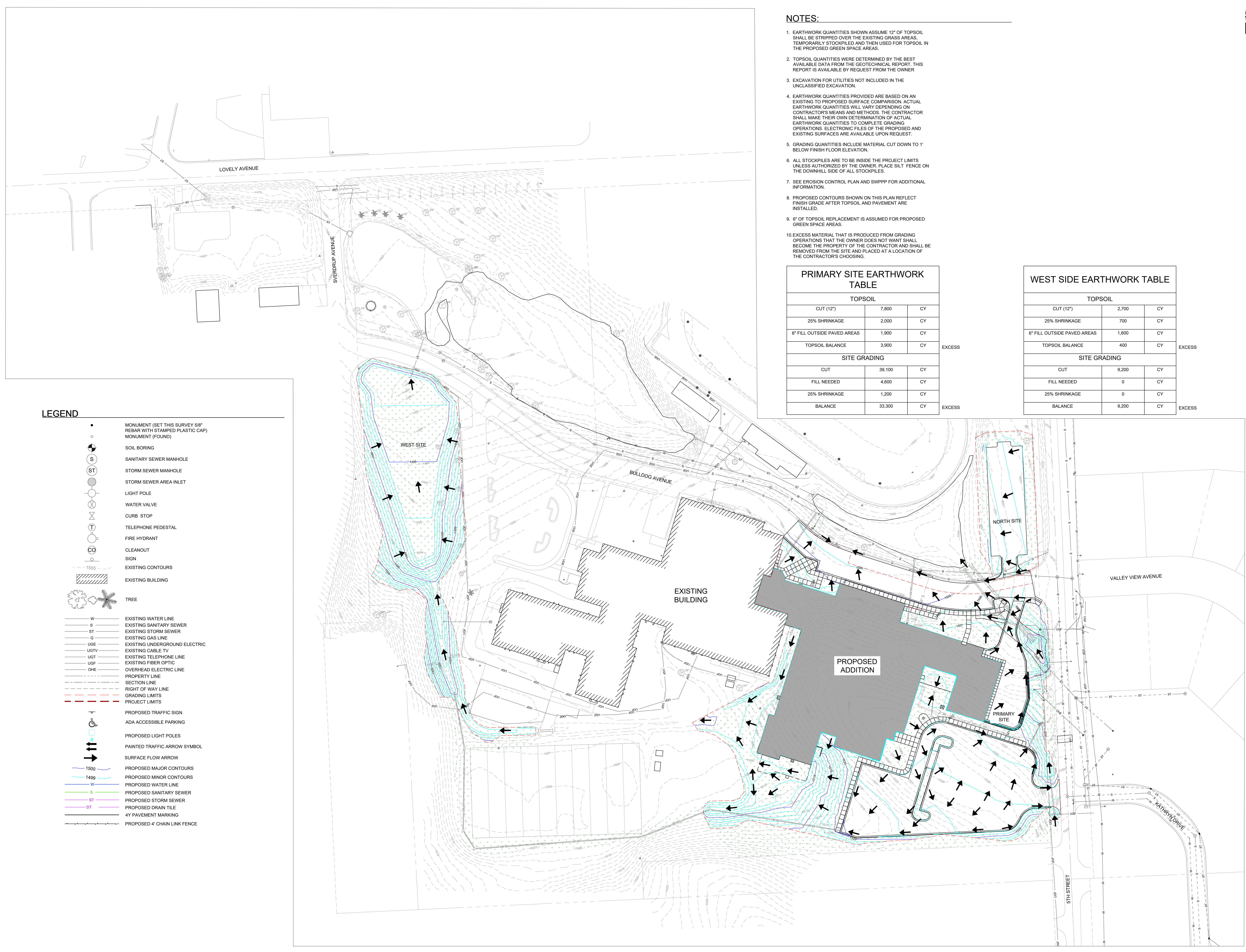
2.52

NOTES:

- EARTHWORK QUANTITIES SHOWN ASSUME 12" OF TOPSOIL SHALL BE STRIPPED OVER THE EXISTING GRASS AREAS, TEMPORARILY STOCKPILED AND THEN USED FOR TOPSOIL IN THE PROPOSED GREEN SPACE AREAS.
- TOPSOIL QUANTITIES WERE DETERMINED BY THE BEST AVAILABLE DATA FROM THE GEOTECHNICAL REPORT. THIS REPORT IS AVAILABLE BY REQUEST FROM THE OWNER
- EXCAVATION FOR UTILITIES NOT INCLUDED IN THE UNCLASSIFIED EXCAVATION.
- EARTHWORK QUANTITIES PROVIDED ARE BASED ON AN EXISTING TO PROPOSED SURFACE COMPARISON. ACTUAL EARTHWORK QUANTITIES WILL VARY DEPENDING ON CONTRACTOR'S MEANS AND METHODS. THE CONTRACTOR SHALL MAKE THEIR OWN DETERMINATION OF ACTUAL EARTHWORK QUANTITIES TO COMPLETE GRADING OPERATIONS. ELECTRONIC FILES OF THE PROPOSED AND EXISTING SURFACES ARE AVAILABLE UPON REQUEST.
- GRADING QUANTITIES INCLUDE MATERIAL CUT DOWN TO 1' BELOW FINISH FLOOR ELEVATION.
- ALL STOCKPILES ARE TO BE INSIDE THE PROJECT LIMITS UNLESS AUTHORIZED BY THE OWNER. PLACE SILT FENCE ON THE DOWNHILL SIDE OF ALL STOCKPILES.
- SEE EROSION CONTROL PLAN AND SWPPP FOR ADDITIONAL INFORMATION.
- PROPOSED CONTOURS SHOWN ON THIS PLAN REFLECT FINISH GRADE AFTER TOPSOIL AND PAVEMENT ARE INSTALLED.
- 6" OF TOPSOIL REPLACEMENT IS ASSUMED FOR PROPOSED GREEN SPACE AREAS.
- EXCESS MATERIAL THAT IS PRODUCED FROM GRADING OPERATIONS THAT THE OWNER DOES NOT WANT SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED FROM THE SITE AND PLACED AT A LOCATION OF THE CONTRACTOR'S CHOOSING.

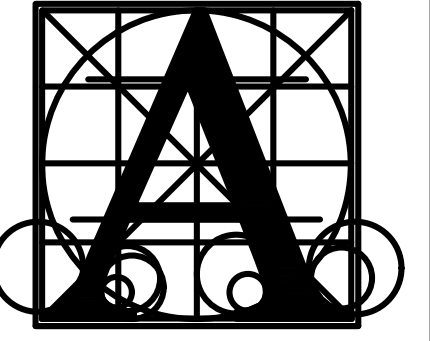
PRIMARY SITE EARTHWORK TABLE		
TOPSOIL		
CUT (12")	7,800	CY
25% SHRINKAGE	2,000	CY
6" FILL OUTSIDE PAVED AREAS	1,900	CY
TOPSOIL BALANCE	3,900	CY
SITE GRADING		
CUT	39,100	CY
FILL NEEDED	4,600	CY
25% SHRINKAGE	1,200	CY
BALANCE	33,300	CY

WEST SIDE EARTHWORK TABLE		
TOPSOIL		
CUT (12")	2,700	CY
25% SHRINKAGE	700	CY
6" FILL OUTSIDE PAVED AREAS	1,600	CY
TOPSOIL BALANCE	400	CY
SITE GRADING		
CUT	9,200	CY
FILL NEEDED	0	CY
25% SHRINKAGE	0	CY
BALANCE	9,200	CY



LEGEND

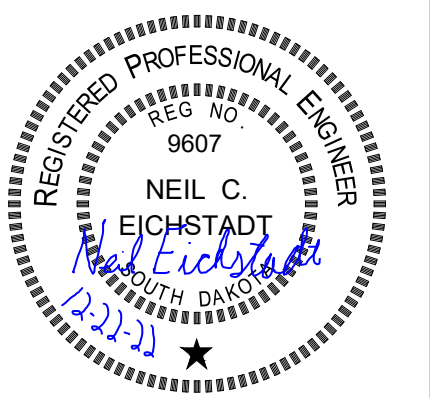
- MONUMENT (SET THIS SURVEY 5/8" REBAR WITH STAMPED PLASTIC CAP)
- MONUMENT (FOUND)
- SOIL BORING
- SANITARY SEWER MANHOLE
- (ST) STORM SEWER MANHOLE
- STORM SEWER AREA INLET
- LIGHT POLE
- WATER VALVE
- CURB STOP
- TELEPHONE PEDESTAL
- FIRE HYDRANT
- CLEANOUT
- SIGN
- EXISTING CONTOURS
- EXISTING BUILDING
- TREE
- W EXISTING WATER LINE
- S EXISTING SANITARY SEWER
- ST EXISTING STORM SEWER
- G EXISTING GAS LINE
- UGE EXISTING UNDERGROUND ELECTRIC
- UGTV EXISTING CABLE TV
- UGT EXISTING TELEPHONE LINE
- UGF EXISTING FIBER OPTIC
- OHE OVERHEAD ELECTRIC LINE
- PROPERTY LINE
- SECTION LINE
- RIGHT OF WAY LINE
- GRADING LIMITS
- PROJECT LIMITS
- PROPOSED TRAFFIC SIGN
- ADA ACCESSIBLE PARKING
- PROPOSED LIGHT POLES
- PAINTED TRAFFIC ARROW SYMBOL
- SURFACE FLOW ARROW
- 1500 PROPOSED MAJOR CONTOURS
- 1499 PROPOSED MINOR CONTOURS
- W PROPOSED WATER LINE
- S PROPOSED SANITARY SEWER
- ST PROPOSED STORM SEWER
- DT PROPOSED DRAIN TILE
- 4Y PAVEMENT MARKING
- PROPOSED 4" CHAIN LINK FENCE



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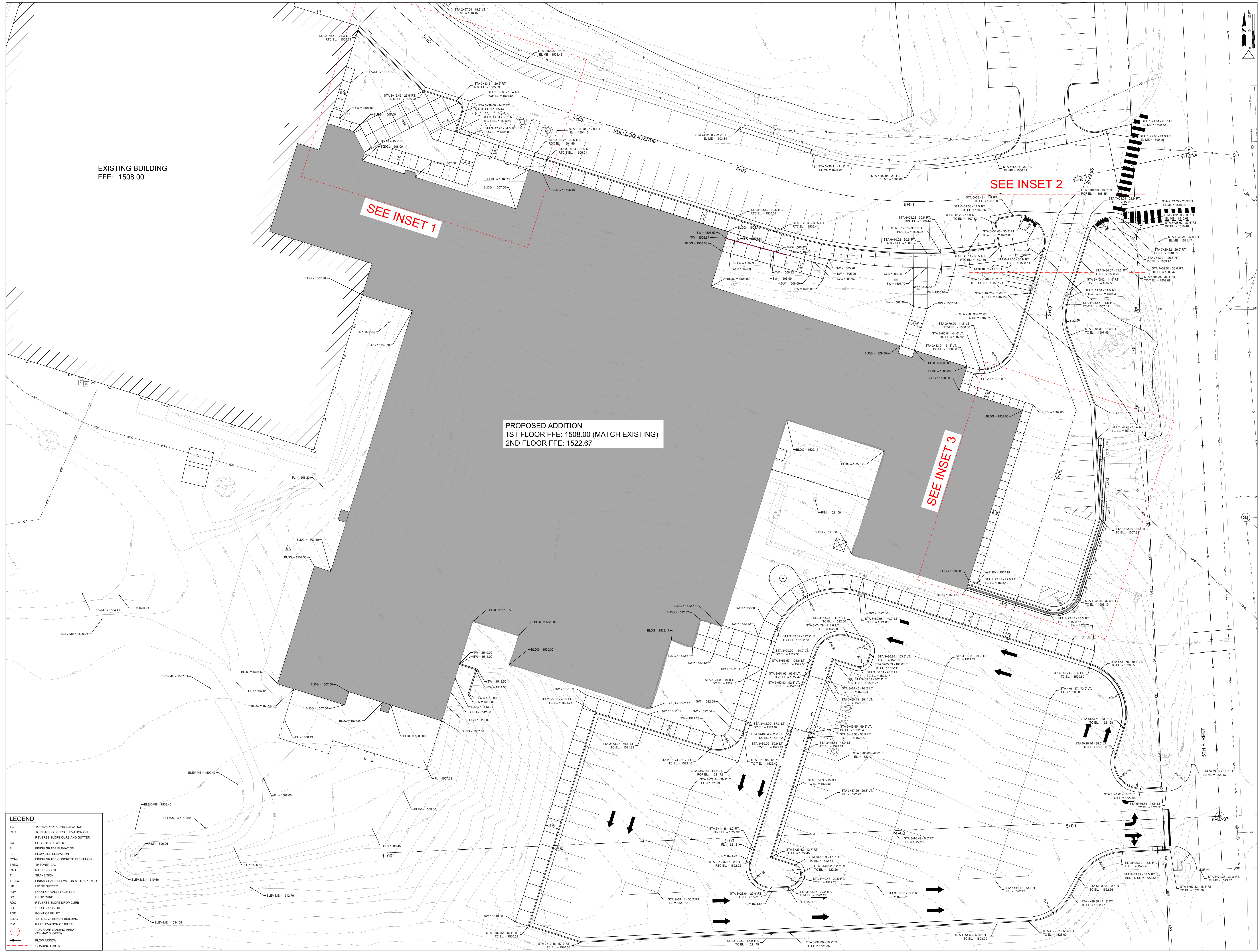


BANNER
engineering a better community
BANNER PROJECT NO: 230605.00

BALTIC HIGH SCHOOL ADDITION CIVIL SITE GRADING AND SPOT ELEVATIONS PLAN

number	0727.2957.2.1	
date	12-27-2022	
revision	1	
drawn	SP	
checked	NCE	
NO.	DATE	DESCRIPTION
1	01/13/2023	SCALE BAR
2	01/20/2023	APPENDIX 2

2.60



EXISTING BUILDING
FFE: 1508.00

SEE INSET 1

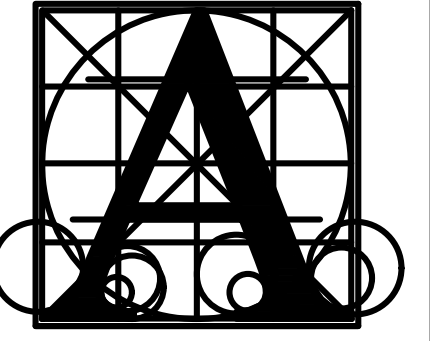
SEE INSET 2

SEE INSET 3

PROPOSED ADDITION
1ST FLOOR FFE: 1508.00 (MATCH EXISTING)
2ND FLOOR FFE: 1522.67

LEGEND:

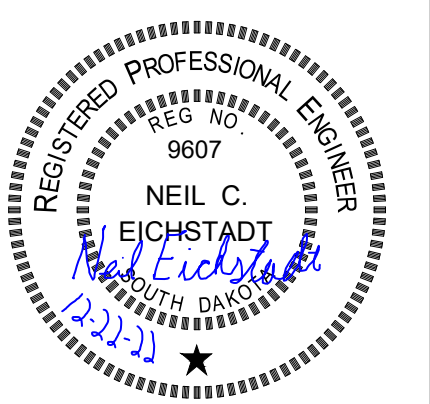
TC	TOP BACK OF CURB ELEVATION
RTC	TOP BACK OF CURB ELEVATION ON REVERSE SLOPE CURB AND GUTTER
SW	EDGE OF SIDEWALK
EL	FINISH GRADE ELEVATION
FL	FLOW LINE ELEVATION
CONC	FINISH GRADE CONCRETE ELEVATION
TWO	THEORETICAL
RD	RADIUS POINT
T	TRANSITION
TSW	FINISH GRADE ELEVATION AT THICKENED UP OF GUTTER
POV	POINT OF VALLEY GUTTER
DC	DROP CURB
RDC	REVERSE SLOPE DROP CURB
BO	CURB BLOCK OUT
POF	POINT OF FALET
BLDG	SITE ELEVATION AT BUILDING
RM	RM ELEVATION OF INLET
RM	ADA RAMP LANDING AREA (ON MAX SLOPE)
→	FLOW ARROW
- - -	GRADING LIMITS



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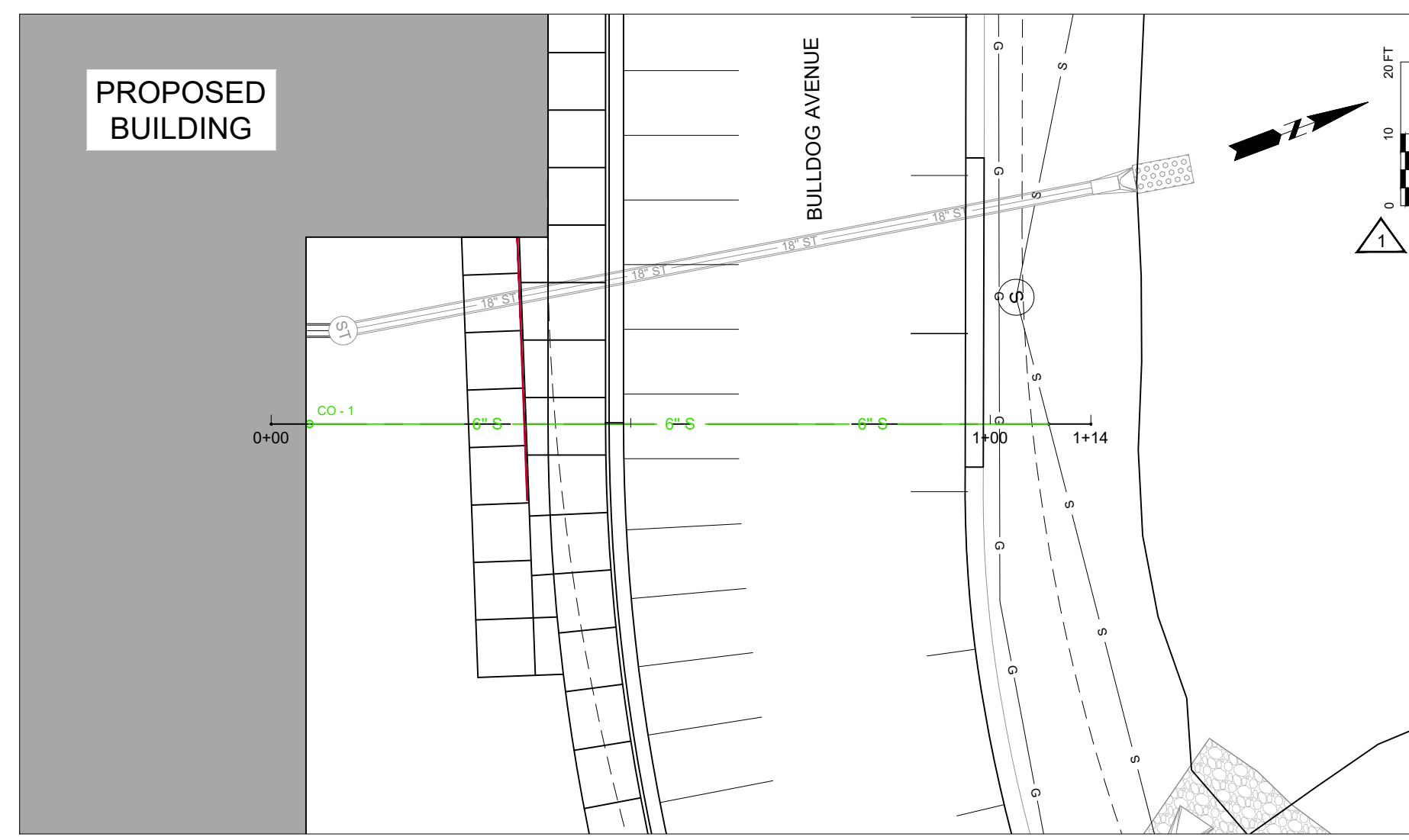
BALTIC HIGH SCHOOL ADDITION CIVIL SITE
WATER AND SANITARY PLAN AND PROFILE

Project: 0727.2957.21
Date: 12-27-2022

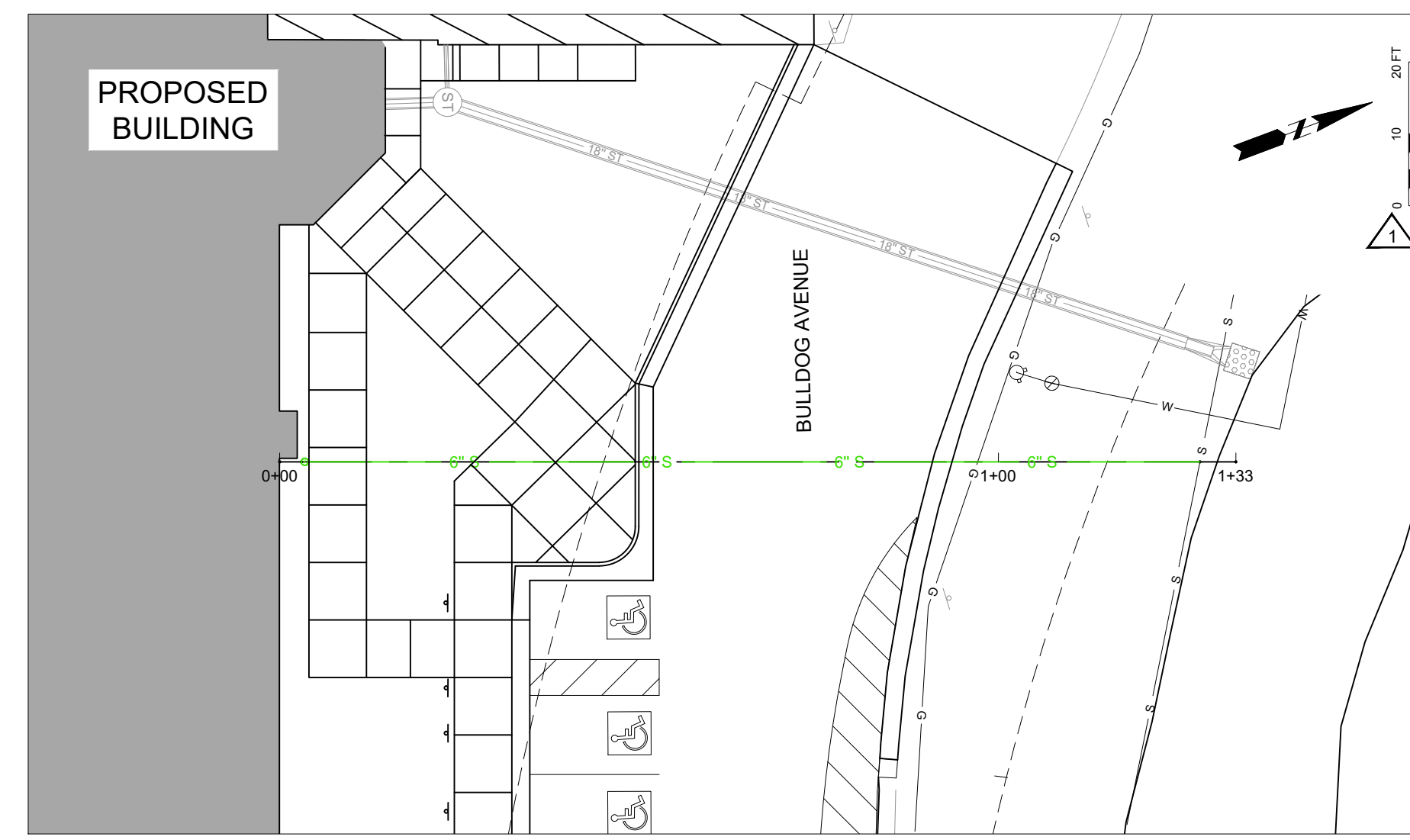
Revision: 1
Drawn: SP
Checked: NCE

NO.	DATE	DESCRIPTION
1	01/13/2023	SCALE BAR
2	01/20/2023	ADDENDUM 2

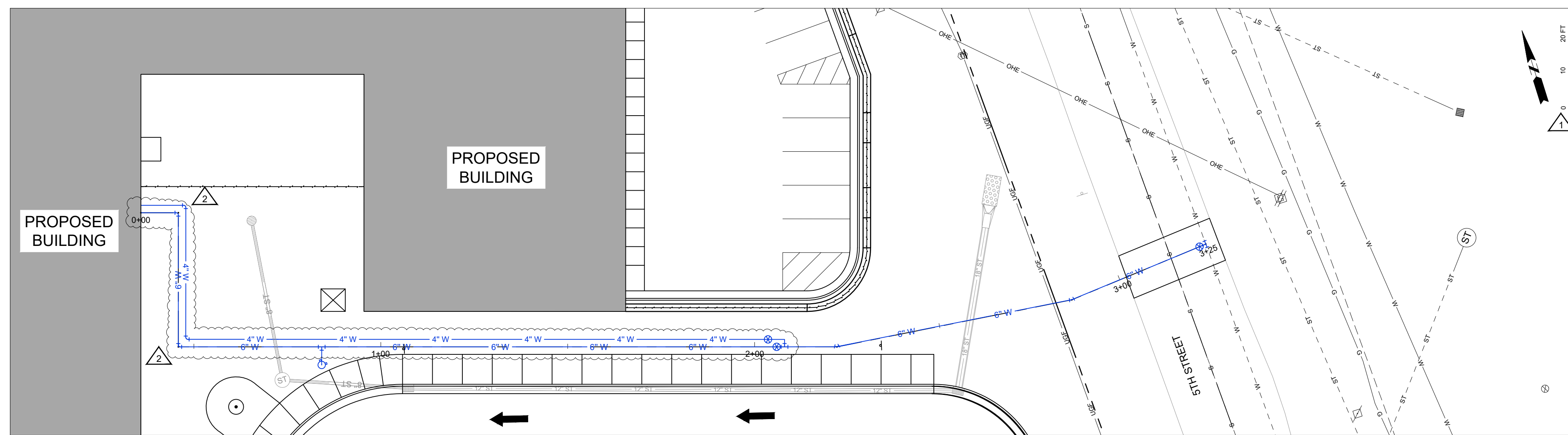
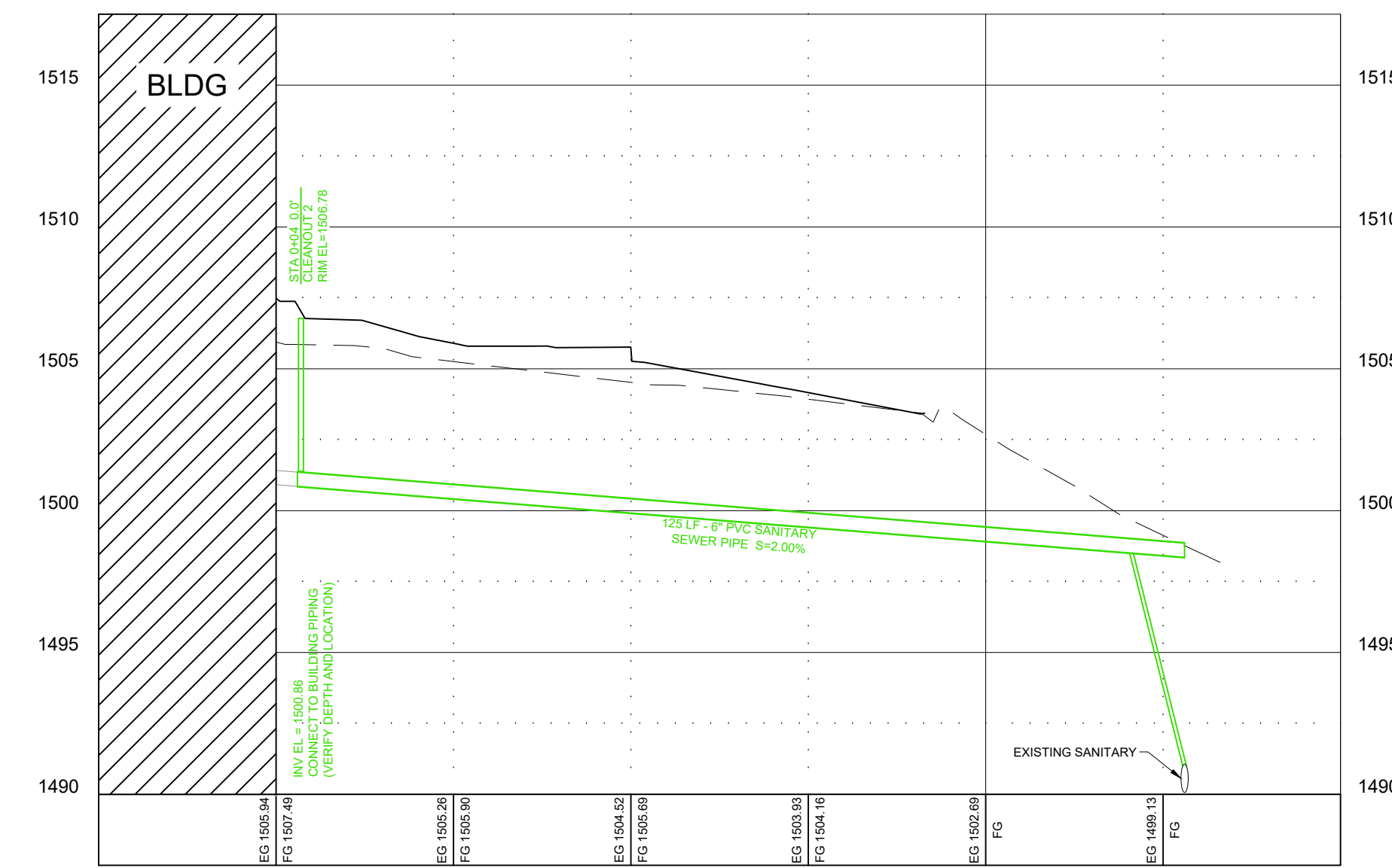
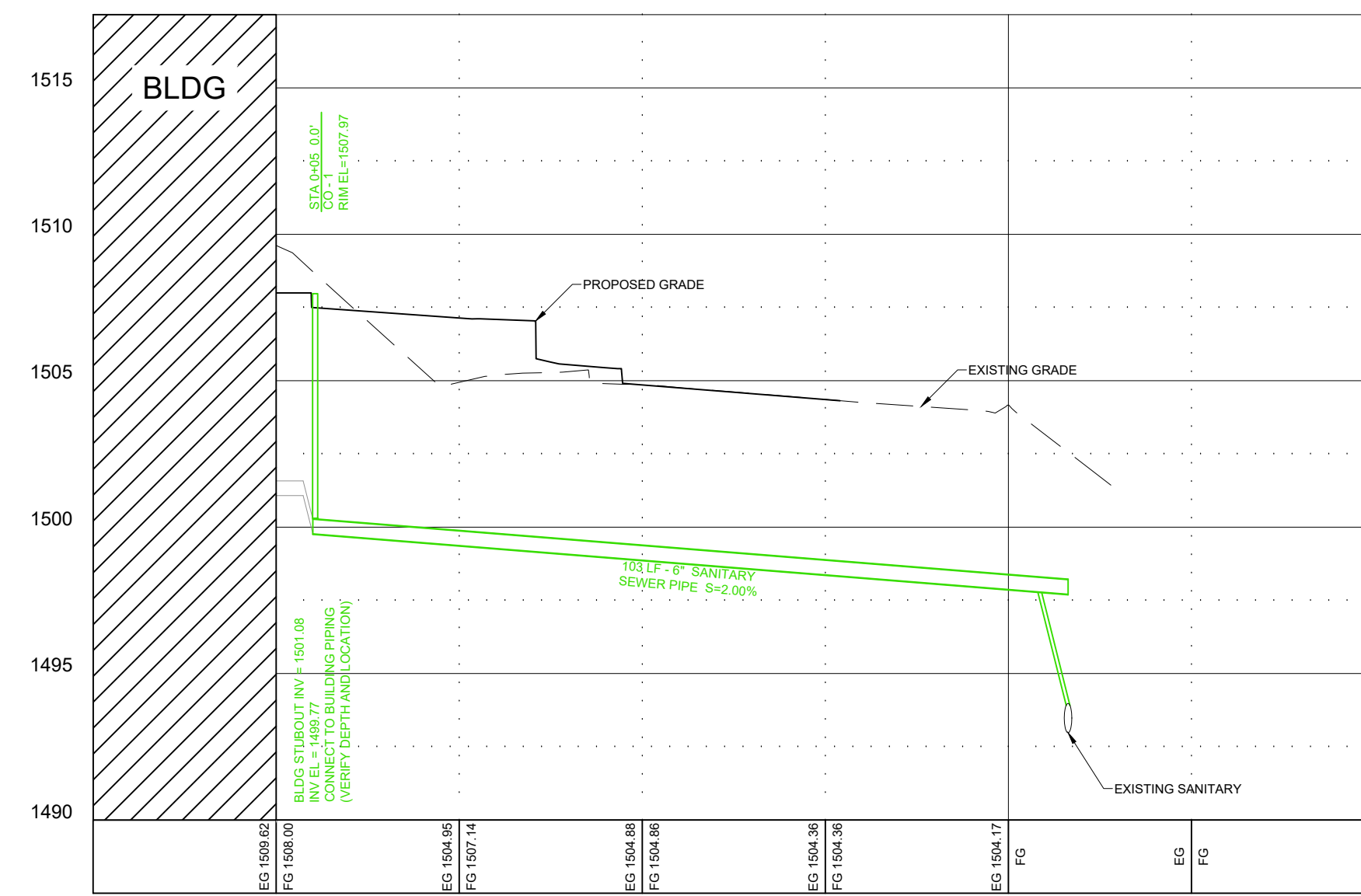
2.81



6" SANITARY SEWER
SANITARY SEWER
STATIONING: CL TO 1+00 - CL
CONNECT TO BLDG PIPING
INSTALL COUPLING AND VERTICAL BENDS AS REQUIRED
1 EA. CLEAN OUT (CO-1)
VERIFY DEPTH AND LOCATION OF BUILDING STUB OUT

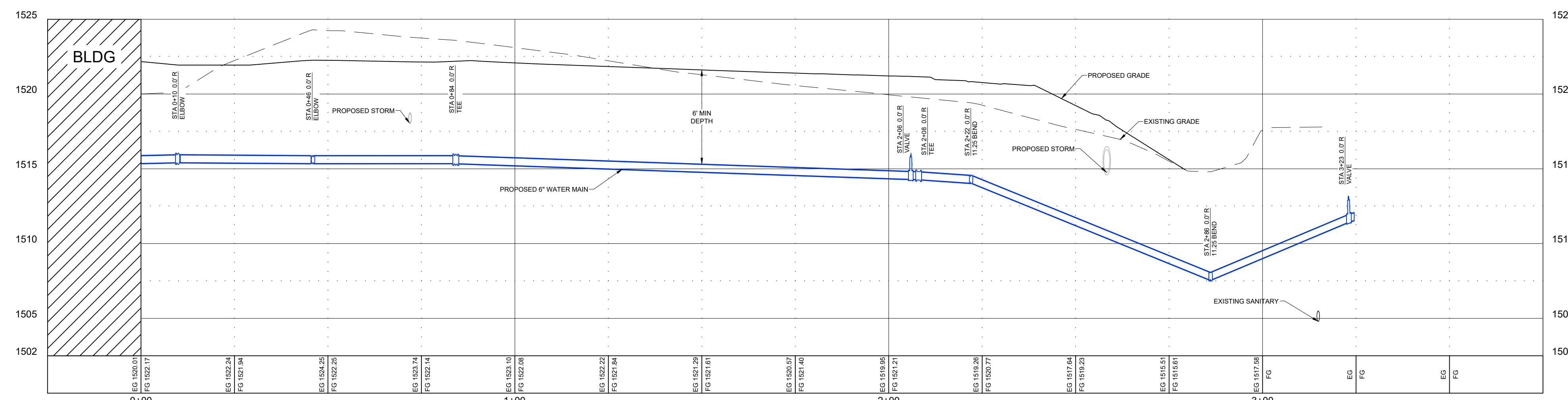


6" SANITARY SEWER #2
SANITARY SEWER
STATIONING: CL TO 1+00 - CL
CONNECT TO BLDG PIPING
INSTALL COUPLING AND VERTICAL BENDS AS REQUIRED
1 EA. CLEAN OUT (CO-2)
VERIFY DEPTH AND LOCATION OF BUILDING STUB OUT

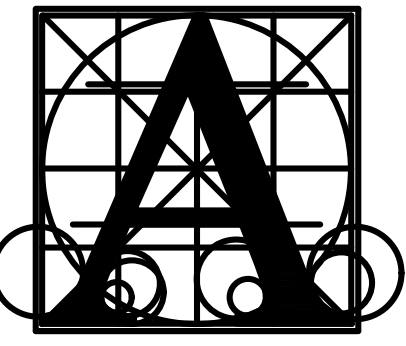


4" WATER SERVICE
WATER SERVICE
STATIONING: CL TO 1+00 - CL
CONNECT TO BLDG PIPING
INSTALL COUPLING AND VERTICAL BENDS AS REQUIRED
VERIFY DEPTH AND LOCATION OF BUILDING STUB OUT

6" WATER SERVICE
WATER SERVICE
STATIONING: CL TO 1+00 - CL
CONNECT TO BLDG PIPING
INSTALL COUPLING AND VERTICAL BENDS AS REQUIRED
VERIFY DEPTH AND LOCATION OF BUILDING STUB OUT



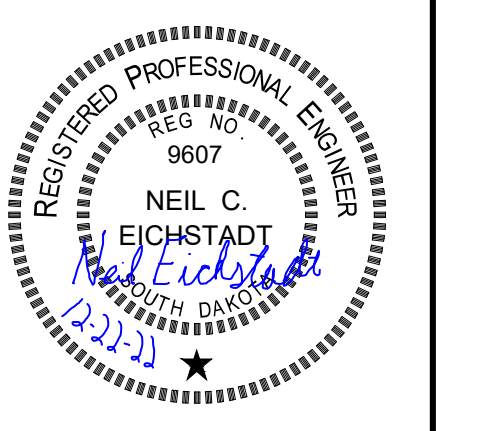
6" WATER SERVICE
WATER SERVICE
STATIONING: CL TO 1+00 - CL
CONNECT TO BLDG PIPING
INSTALL COUPLING AND VERTICAL BENDS AS REQUIRED
VERIFY DEPTH AND LOCATION OF BUILDING STUB OUT



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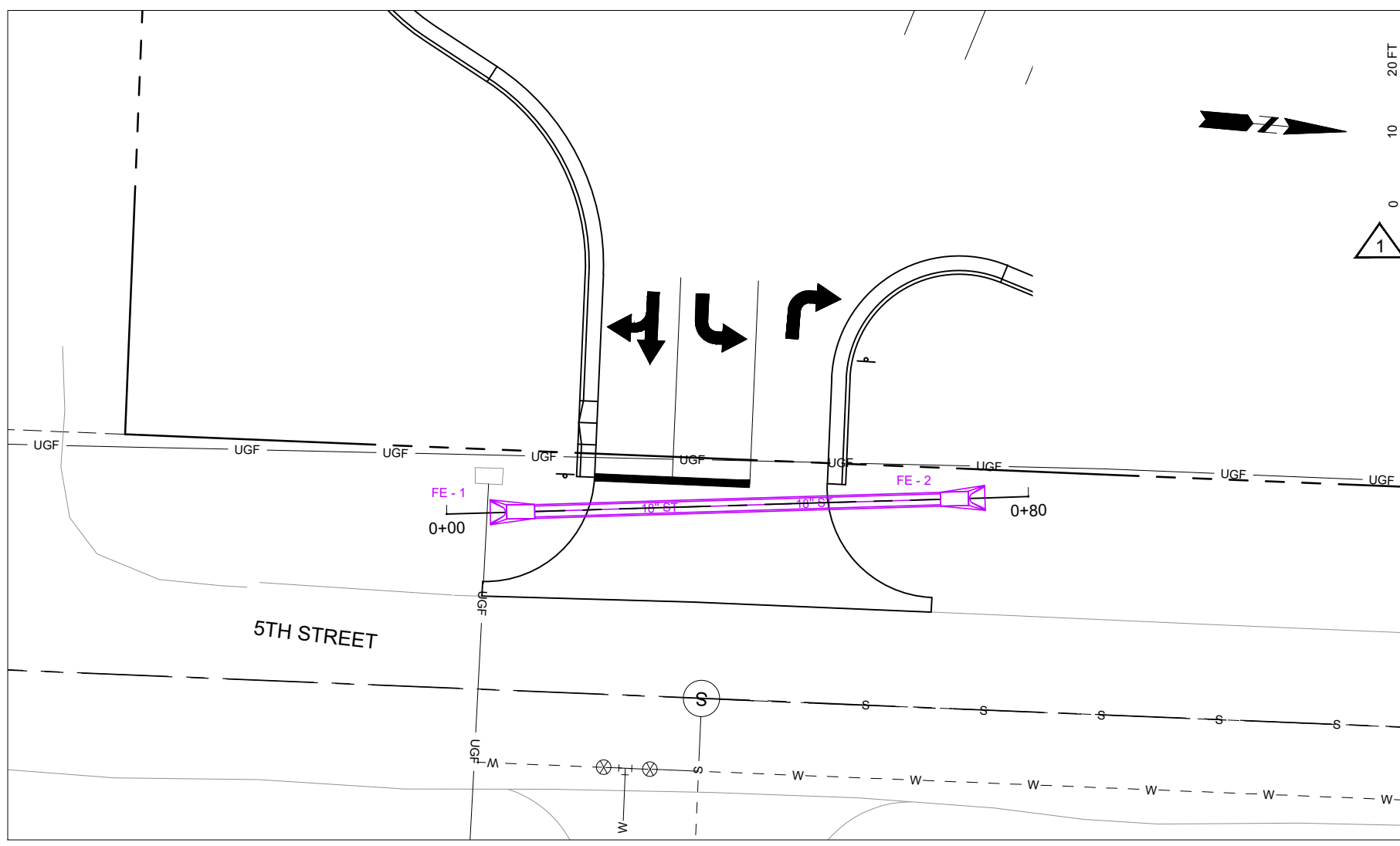
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BALTIC HIGH SCHOOL ADDITION CIVIL SITE
STORM SEWER PLAN AND PROFILE

number	0727.2957.21	
date	12-27-2022	
revision	1	
drawn	SP	
checked	NCE	
NO.	DATE	DESCRIPTION
1	01/13/2023	SCALE BAR
2	01/20/2023	ADDENDUM 2

2.82

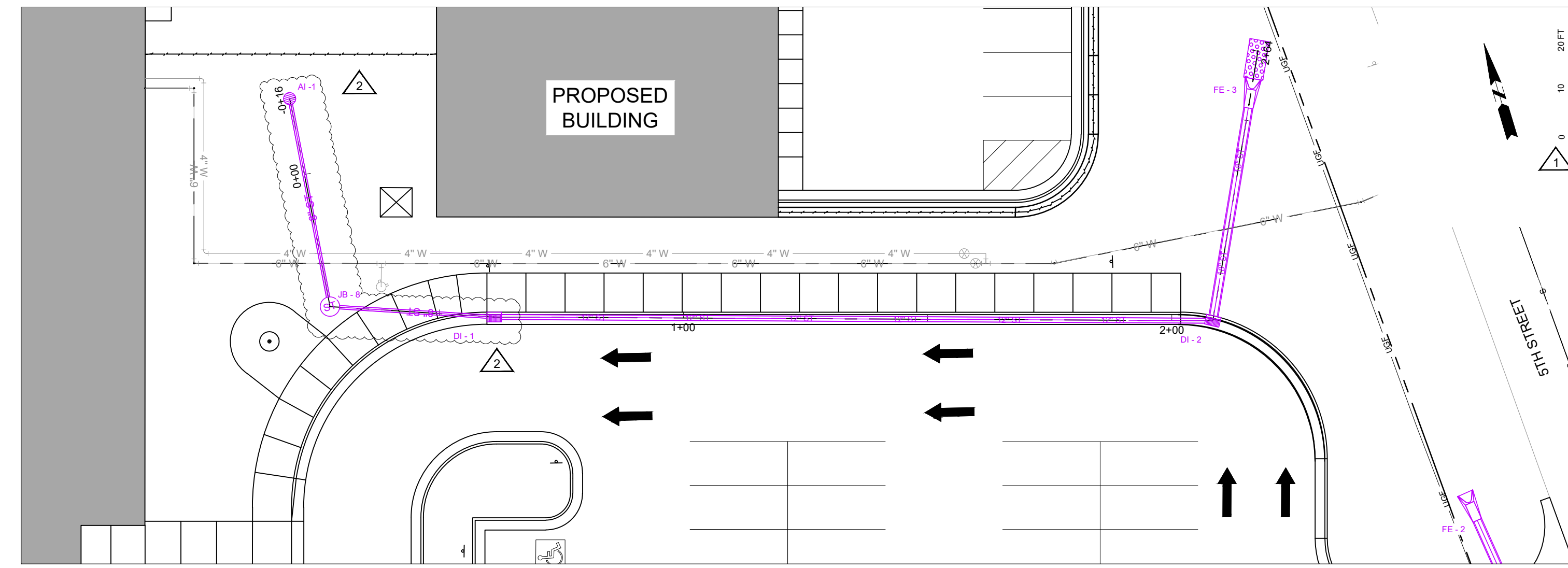


SOUTH LOT APPROACH CULVERT

STORM SEWER STA 0+06 - CL FURNISH AND INSTALL: 18" ARCH RCP FLARED END SECTION (FE-1)

STORM SEWER STA 0+12 TO 0+68 - CL FURNISH AND INSTALL: 56 LF - 18" DIA ARCH RCP

STORM SEWER STA 0+74 - CL FURNISH AND INSTALL: 18" ARCH RCP FLARED END SECTION (FE-2)



SOUTH LOT STORM SEWER

STORM SEWER STA 0+16 - CL FURNISH AND INSTALL: 1 EA - AREA INLET (AI-1)

STORM SEWER STA 0+16 TO 0+28 - CL FURNISH AND INSTALL: 43 LF - 8" DIA STORM PIPE

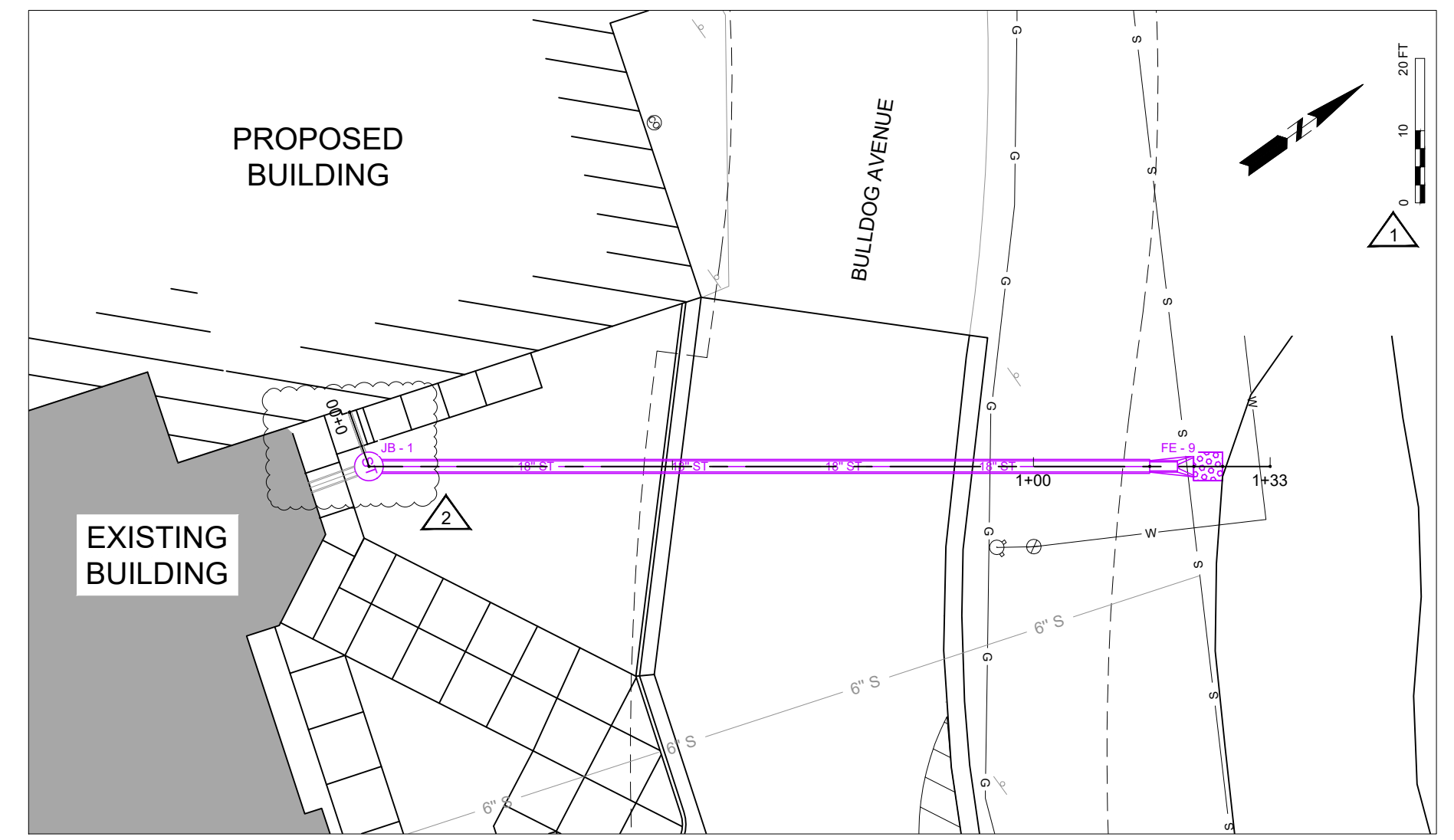
STORM SEWER 0+28 - CL FURNISH AND INSTALL: 1 EA - JUNCTION BOX (JB - 8)

STORM SEWER STA 0+28 - CL TO 0+61 - CL FURNISH AND INSTALL: 34 LF - 8" DIA STORM PIPE

STORM SEWER STA 0+61 - CL FURNISH AND INSTALL: 1 EA - TYPE B DROP INLET (DI-1)

STORM SEWER STA 0+61 TO 2+08 - CL FURNISH AND INSTALL: 147 LF - 12" DIA STORM PIPE

STORM SEWER STA 2+08 - CL FURNISH AND INSTALL: 1 EA - TYPE B FRAME AND GRATE



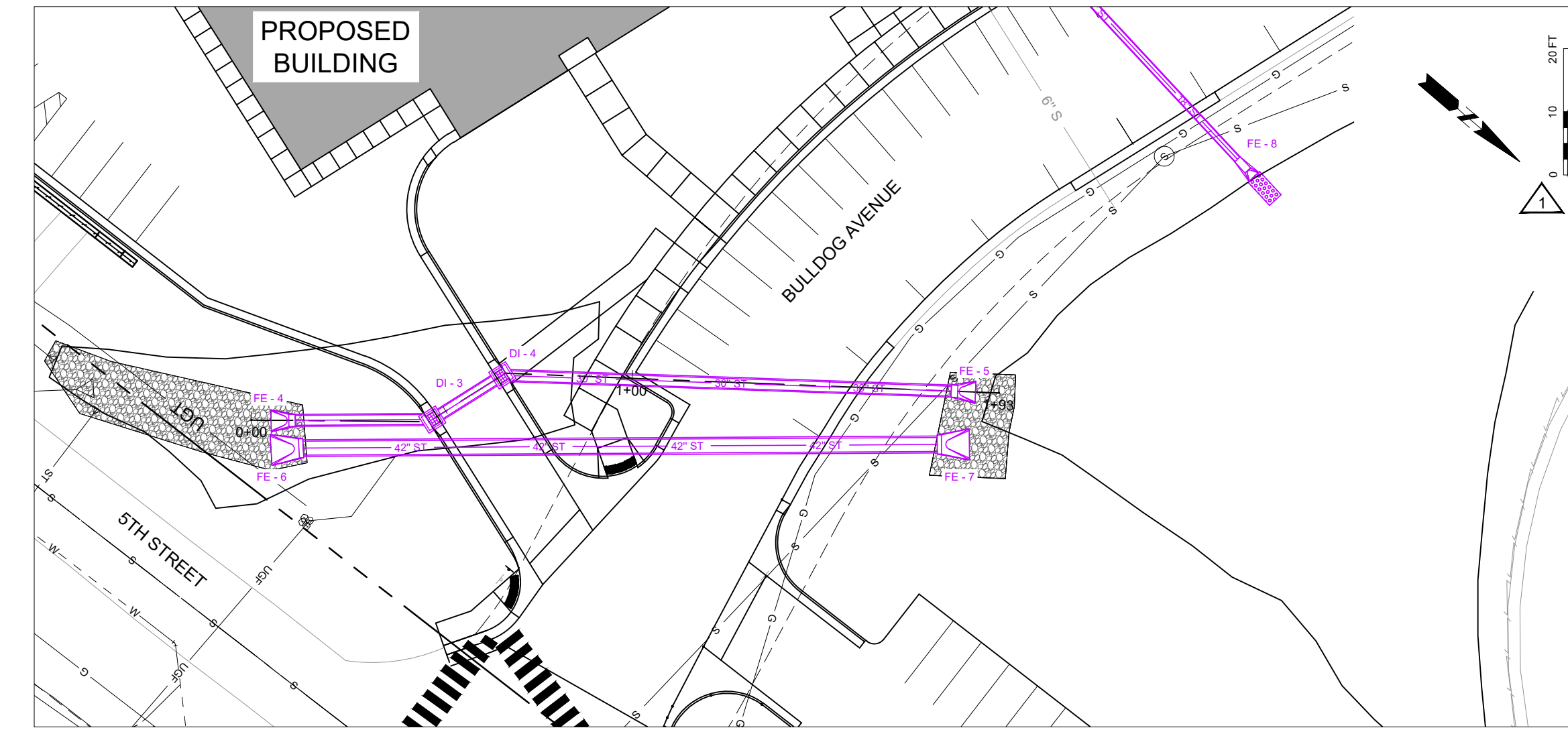
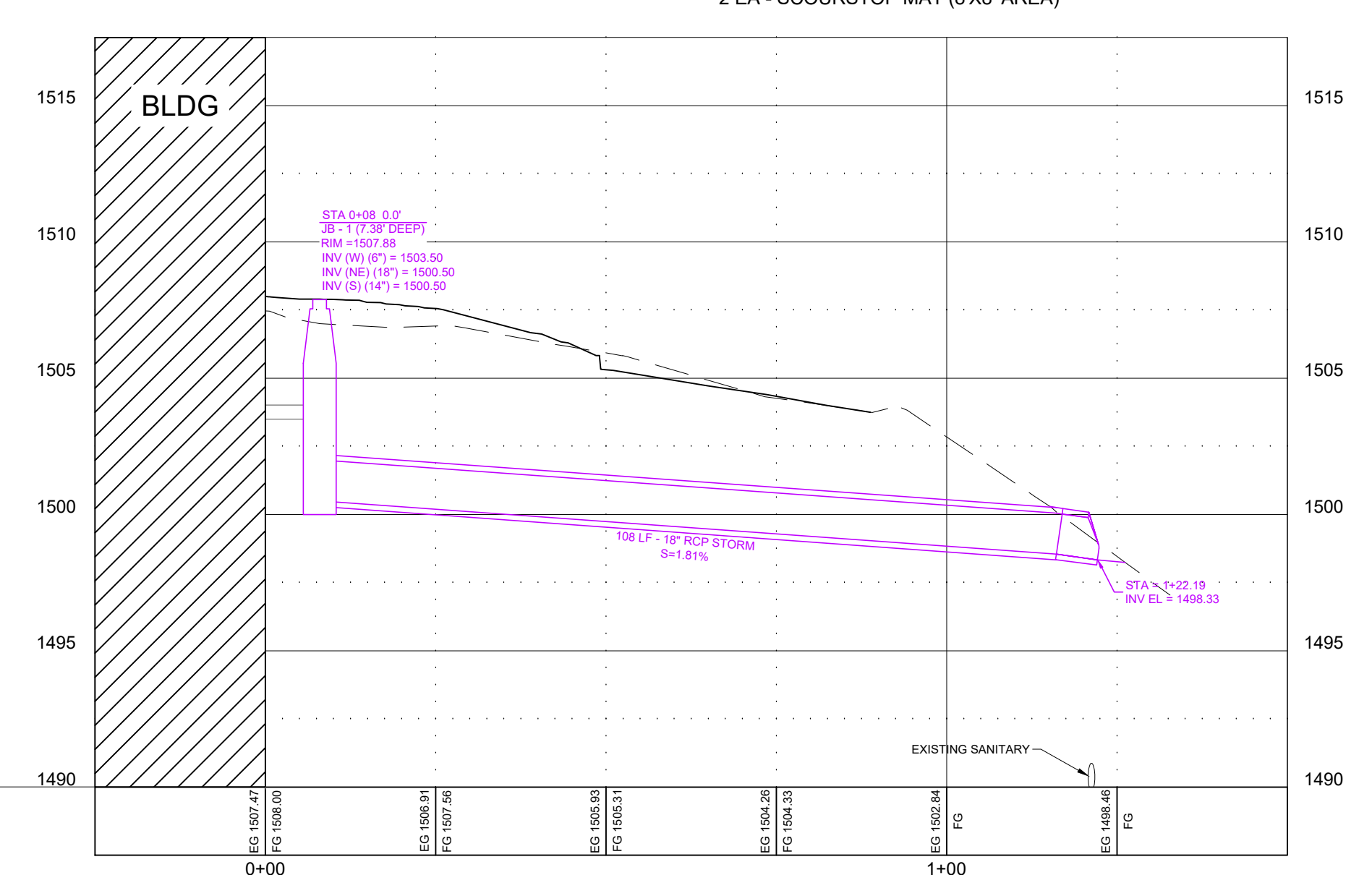
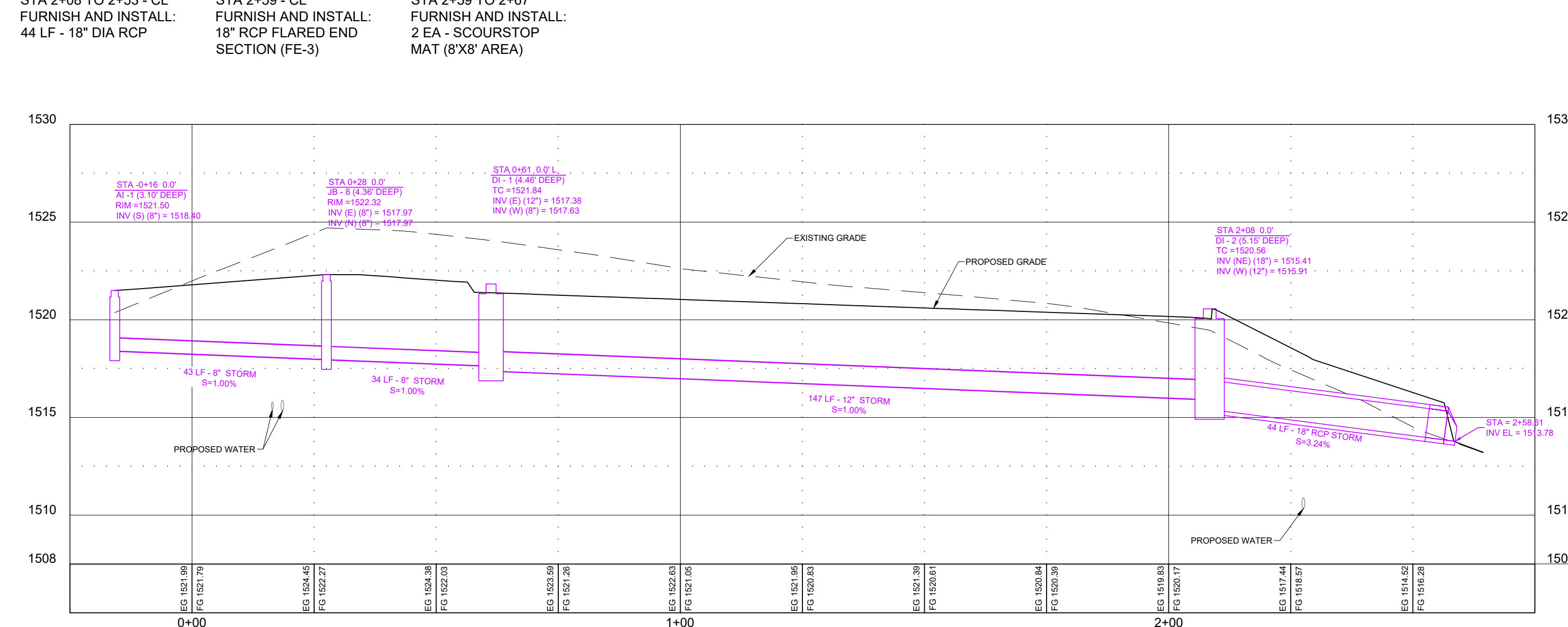
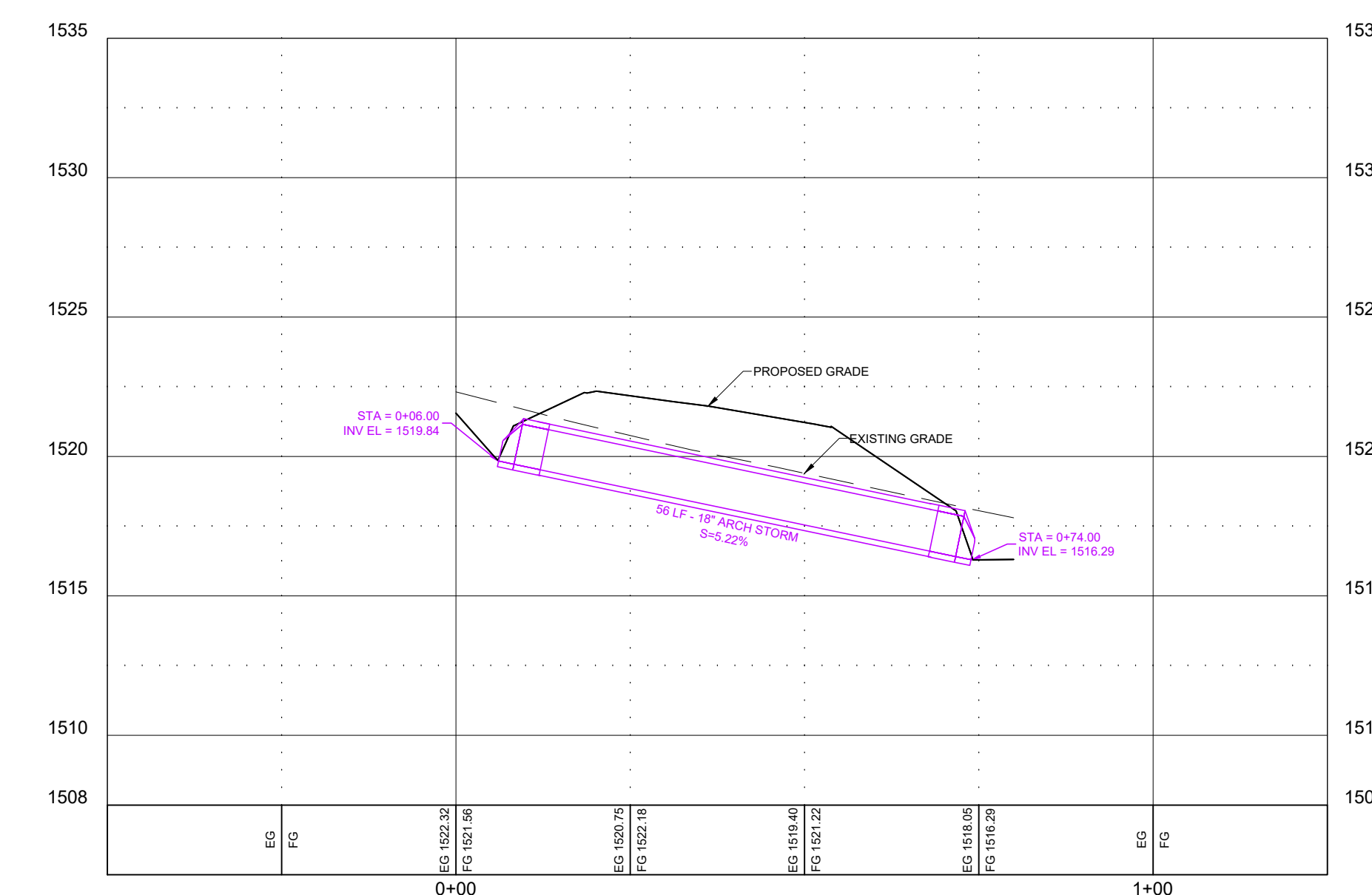
NORTH WEST STORM SEWER

STORM SEWER STA 0+08 - CL FURNISH AND INSTALL: 1 EA - JUNCTION BOX (JB-1)

STORM SEWER STA 0+08 TO 1+22 - CL FURNISH AND INSTALL: 108 LF - 18" DIA RCP

STORM SEWER STA 1+22 - CL FURNISH AND INSTALL: 18" RCP FLARED END SECTION (FE-9)

STORM SEWER STA 1+22 TO 1+30 FURNISH AND INSTALL: 2 EA - SCOURSTOP MAT (8'X8' AREA)



30" DRAINAGE CHANNEL STORM SEWER

STORM SEWER STA 0+05 - CL FURNISH AND INSTALL: 30" RCP FLARED END SECTION (FE-4)

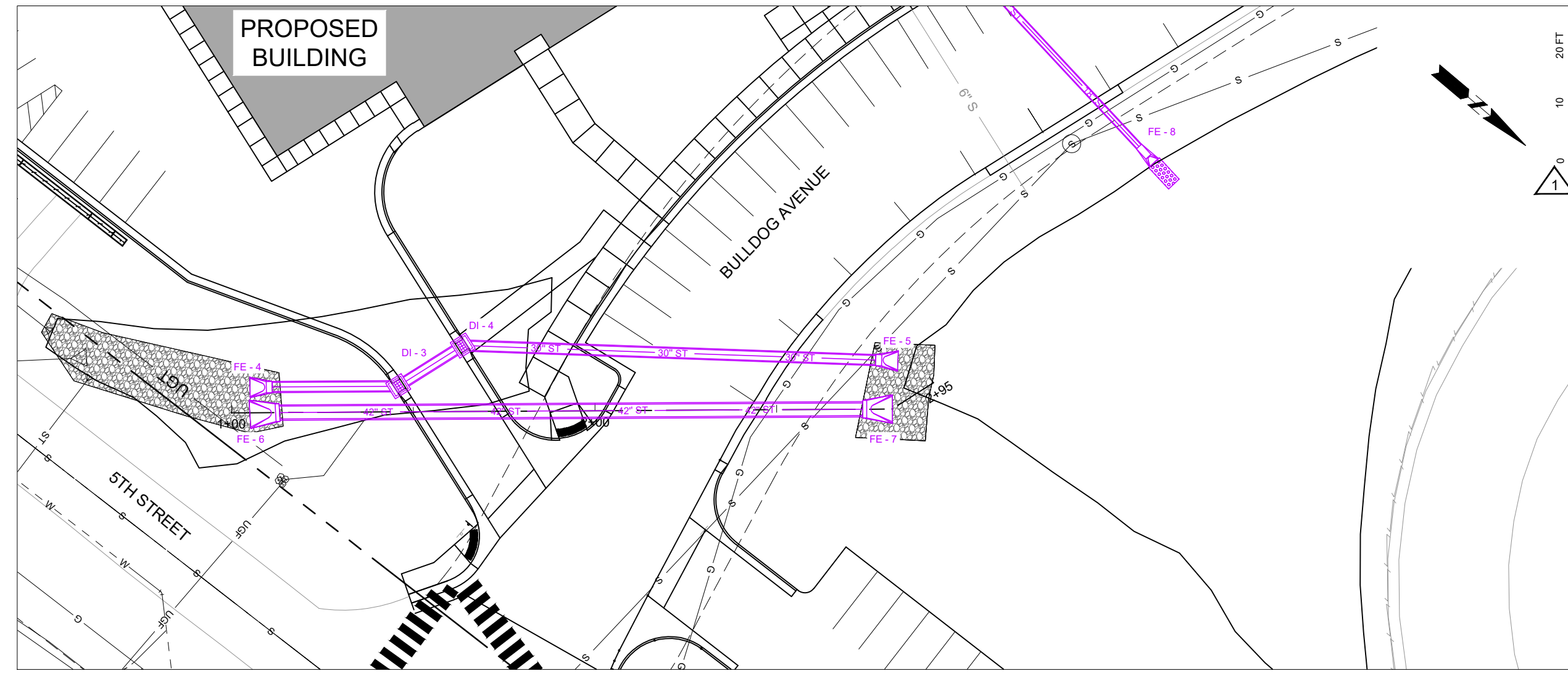
STORM SEWER STA 0+11 TO 0+46 - CL FURNISH AND INSTALL: 35 LF - 30" DIA RCP

STORM SEWER STA 0+46 - CL FURNISH AND INSTALL: 1 EA - SPECIAL 4' X 4' TYPE B DROP INLET (DI-3)

STORM SEWER STA 0+46 - CL FURNISH AND INSTALL: 1 EA - TYPE E FRAME AND GRATE

STORM SEWER STA 0+67 - CL FURNISH AND INSTALL: 1 EA - SPECIAL 4' X 4' TYPE B DROP INLET (DI-4)

STORM SEWER STA 0+67 - CL FURNISH AND INSTALL: 1 EA - TYPE E FRAME AND GRATE



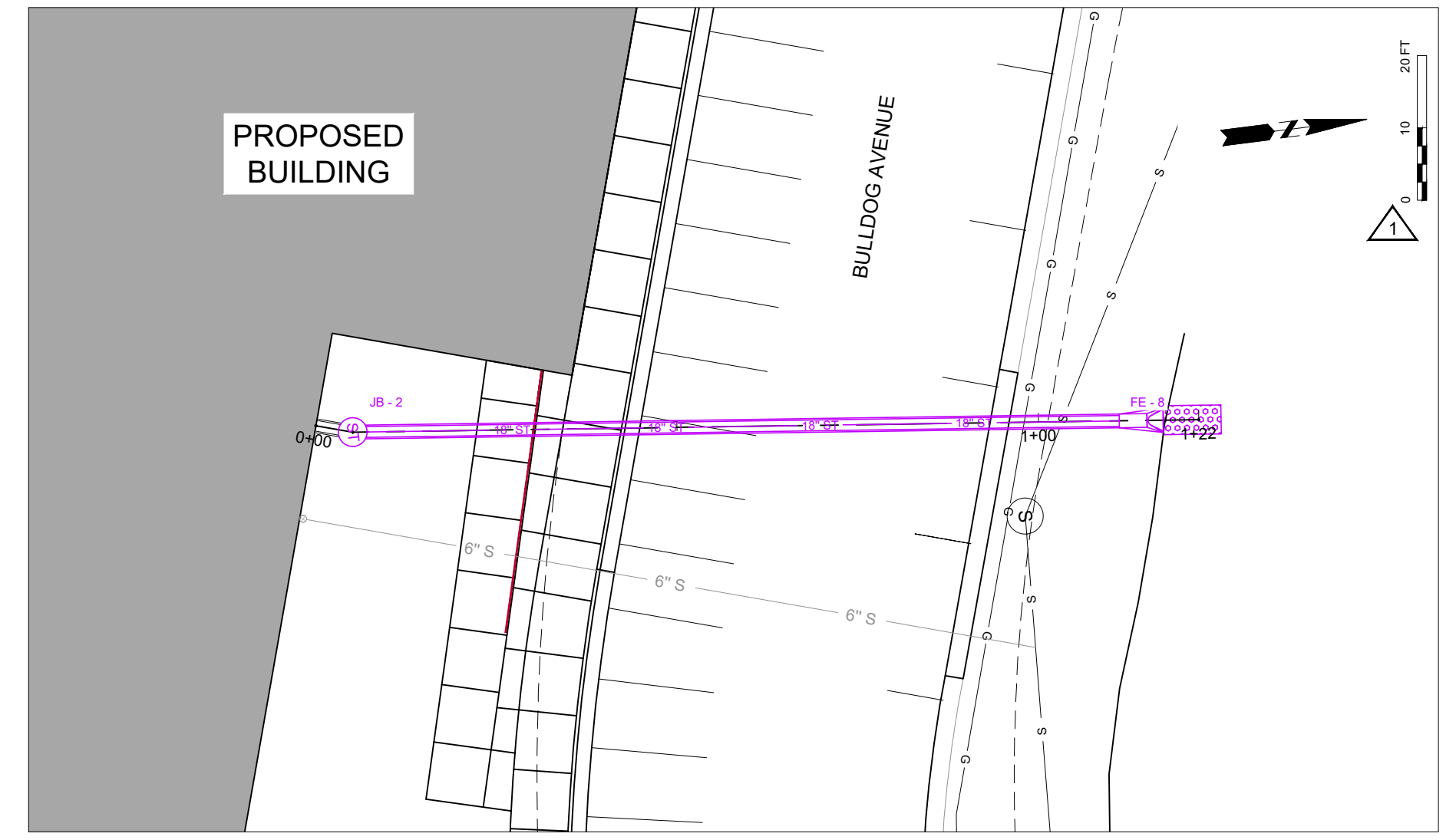
42" DRAINAGE CHANNEL STORM SEWER

STORM SEWER STA 1+05 FURNISH AND INSTALL: CLASS B RIP RAP - 150 TONS IN DRAINAGE CHANNEL

STORM SEWER STA 1+05 - CL FURNISH AND INSTALL: 42" RCP FLARED END SECTION (FE-6)

STORM SEWER STA 1+13 TO 2+74 - CL FURNISH AND INSTALL: 161 LF - 42" DIA RCP

STORM SEWER STA 2+82 - CL FURNISH AND INSTALL: 42" RCP FLARED END SECTION (FE-7)



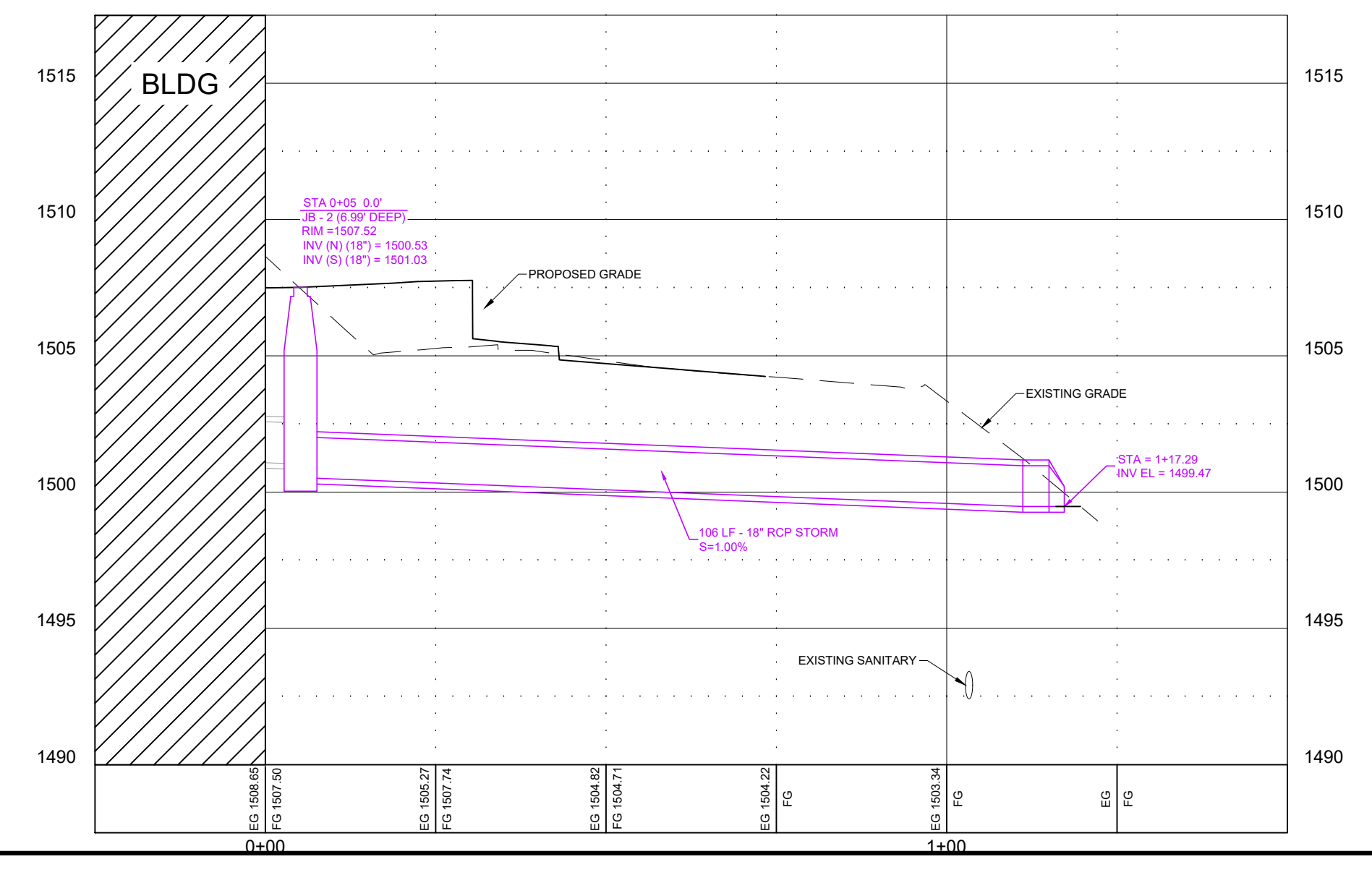
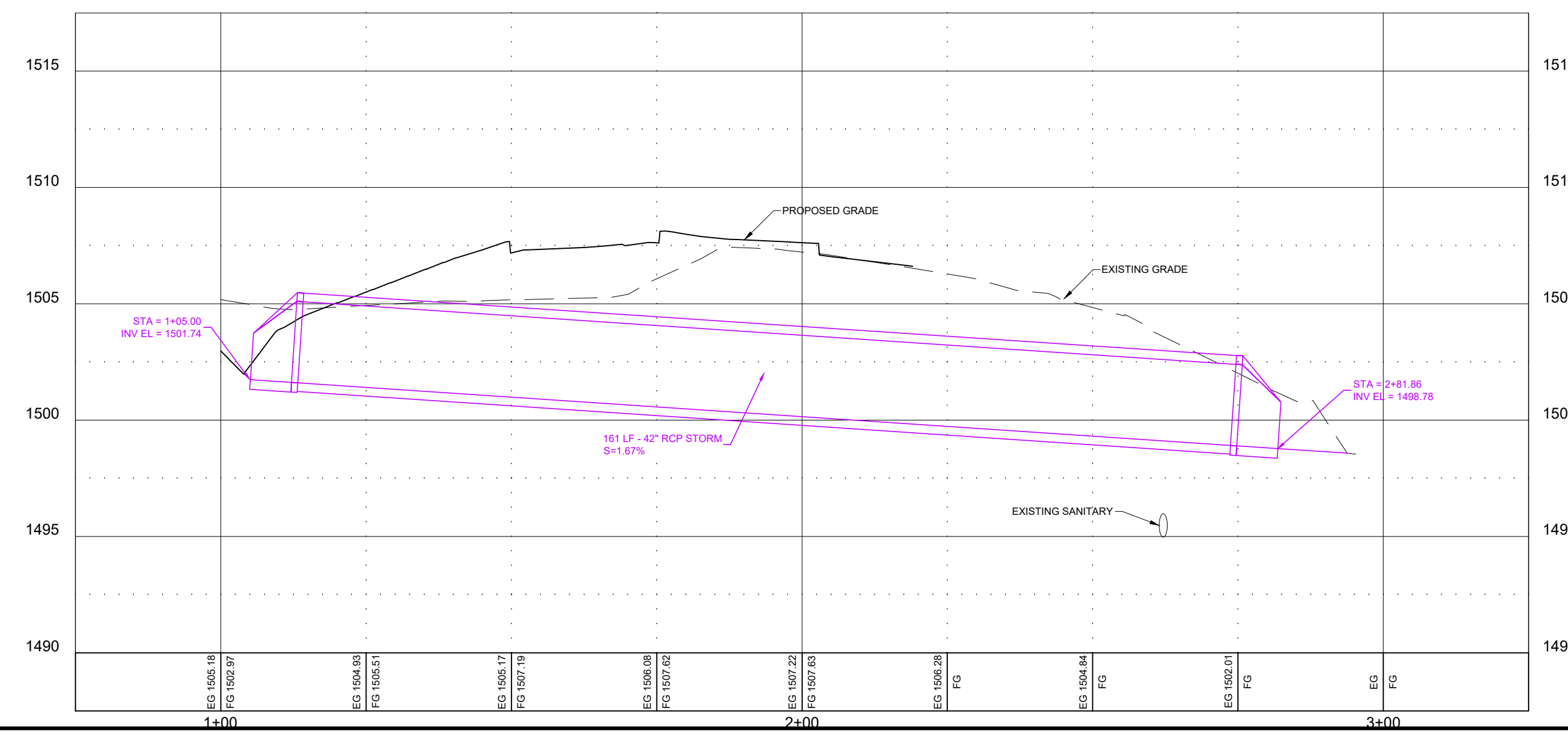
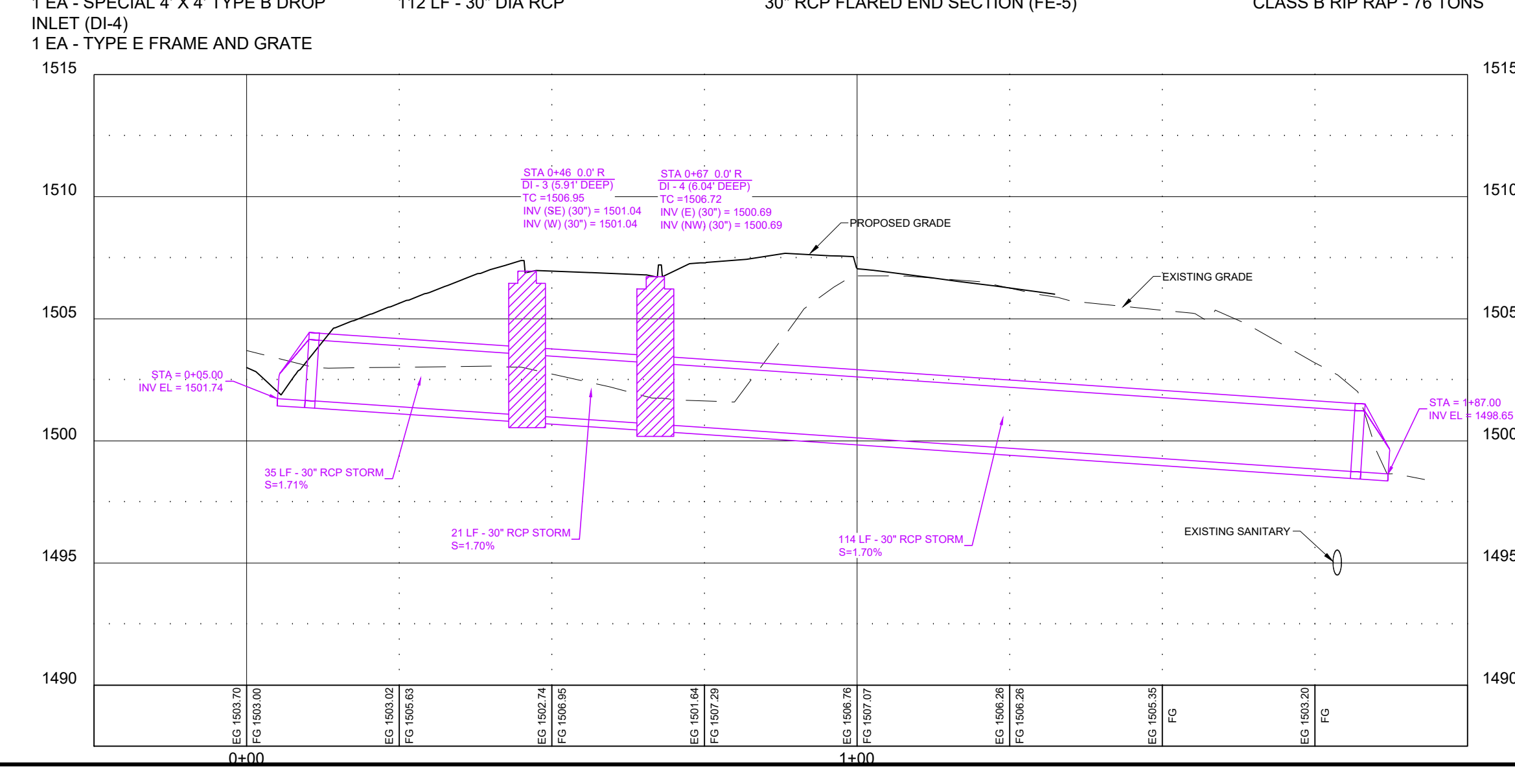
NORTH STORM SEWER

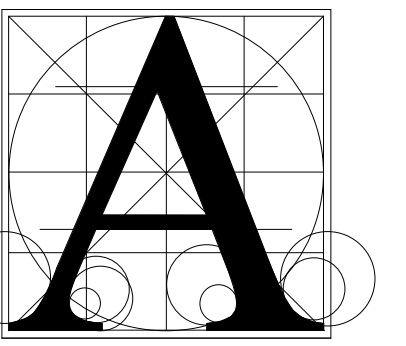
STORM SEWER STA 0+05 - CL FURNISH AND INSTALL: 1 EA - JUNCTION BOX (JB-2)

STORM SEWER STA 0+05 TO 1+11 - CL FURNISH AND INSTALL: 106 LF - 18" DIA RCP

STORM SEWER STA 1+17 - CL FURNISH AND INSTALL: 18" RCP FLARED END SECTION (FE-8)

STORM SEWER STA 1+17 TO 1+25 FURNISH AND INSTALL: 2 EA - SCOURSTOP MAT (8'X8' AREA)

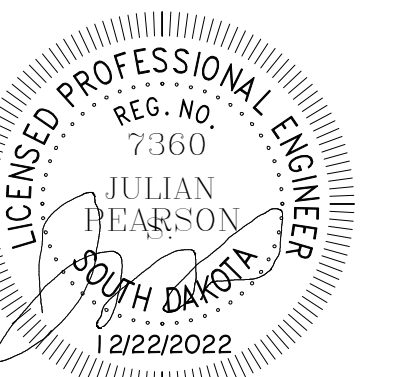




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FOUNDATION GENERAL NOTES

- COLUMN BASEPLATES AND ANCHOR BOLTS SHALL BE IN ACCORDANCE WITH DETAIL (A01) 1 / 3.30
- APPLY "BP-1" TYRE BASEPLATES TYPICAL UNLESS INDICATED BP-# ON THE FOUNDATION PLANS.
- CONCRETE PIER DETAILS ARE INDICATED THUS "PI" REFER TO SHEET 3.30 FOR TOP OF PIER DETAILS.
- TYPICAL CONCRETE FOUNDATION WALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH DETAILS 1 / 3.40 + 2 / 3.40 + 3 / 3.40
- SPLICE ALL REBAR ACCORDING TO SPLICE TABLE ON DETAIL 3 / 3.40
- COORDINATE PIPE RUNS UNDER FOOTINGS, THROUGH FOUNDATION WALLS, OR ADJACENT TO FOUNDATION WALLS PER DETAILS 5 / 3.40 + 6 / 3.40
- SLAB-ON-GRADE JOINTS SHALL COMPLY W/ DETAIL 4 / 3.40
- SEE ARCHITECTURAL DRAWINGS FOR LOCATION OF SLOPED, RAISED, OR DEPRESSED SLABS.
- IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO COORDINATE ALL STAIR LOCATIONS AND SIZES W/ THE ARCHITECTURAL PLANS. PROVIDE A STAIR AT ALL EXTERIOR EXIT DOOR LOCATIONS UNLESS INDICATED OTHERWISE BY THE ARCHITECT. ALL THE REQUIRED STAIRS MAY NOT BE SHOWN ON THE STRUCTURAL DRAWINGS.
- IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO COORDINATE ALL STAIR LOCATIONS AND SIZES W/ THE ARCHITECTURAL PLANS. PROVIDE A STAIR AT ALL EXTERIOR EXIT DOOR LOCATIONS UNLESS INDICATED OTHERWISE BY THE ARCHITECT. ALL THE REQUIRED STAIRS MAY NOT BE SHOWN ON THE STRUCTURAL DRAWINGS.
- CONTINUE REINFORCING FOR CONTINUOUS WALL FOOTINGS THROUGH PAD FOOTINGS (TYPICAL).
- NON-LOAD BEARING (NO DECK OR JOIST BEARING) INTERIOR MASONRY WALLS SHALL HAVE THICKENED SLAB FOOTINGS PER DETAIL (A02) 22 / 3.40
- S.G. COORDINATE EXACT LOCATION W/ ELECTRICAL EQUIPMENT SUPPLIER + ELECTRICAL ENGINEER. UPPER GROUND CONSTRUCTION SHALL BE IN ACCORDANCE WITH DETAIL 7 / 3.40

FOUNDATION PLAN NOTES

- SLAB-ON-GRADE:
4" CONCRETE OVER FREE-DRAINING GRANULAR BASE AS REQUIRED BY GEOTECHNICAL REPORT. PROVIDE #3 REINFORCING BARS @ 2'-0" ON-CENTER, EACH WAY CENTERED AT MID-DEPTH AND SUPPORTED WITH CHAIRS OR BOLSTERS. SPACE CONTROL JOINTS AT 20'-0" MAXIMUM.
- SLAB-ON-GRADE:
4" CONCRETE OVER FREE-DRAINING GRANULAR BASE AS REQUIRED BY GEOTECHNICAL REPORT. PROVIDE MICROFIBER MESH @ 1% DRY WEIGHT OR APPROVED EQUAL. CONCRETE GC TO SUBMIT CONTROL JOINT CONSTRUCTION JOINT PLAN TO GC IN A.O.R. FOR APPROVAL. RECESS FLOOR 3" +/-, VERIFY FINAL FLOOR ELEVATION W/ FLOORING SUPPLIER + ARCH DNGS.
- PROVIDE 1'-0" WIDE BY 8" THICK SLAB W/ (2) #3 BARS CONT. N BOTTOM AT METAL STUD WALL LOCATION. REFER TO ARCH DNGS FOR METAL STUD WALL LOC.
- PROVIDE HSS#8X1/4 POSTS @ 4'-0" MAX SPACING. FASTEN 3/8" THICK BASE PLATE @ HSS COL TO THICKENED SLAB W/ 1/2" DIA WPK BOLT 3 ANCHOR EMBED 4 1/2" EA SIDE OF HSS COL (2) ANCHORS PER COLUMN.)

MASONRY WALL GENERAL NOTES

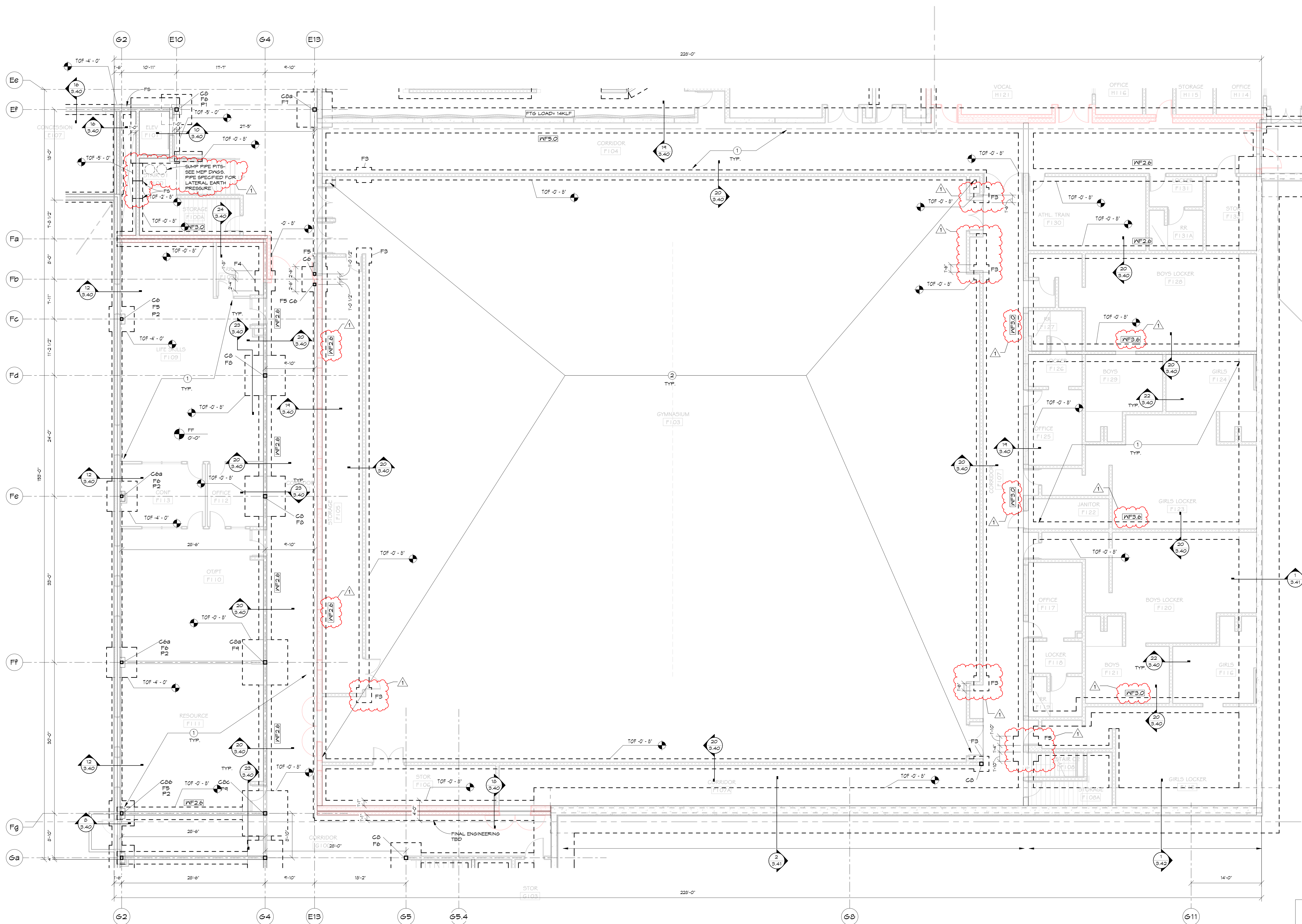
- PROVIDE THE FOLLOWING MINIMUM CMU WALL REINFORCEMENT U.O. ON THE PLANS AND THE DETAILS. LOCATE VERTICAL BARS PER DETAIL 2 / 3.51
- 6" OR 8" INTERIOR NON-JOIST OR DECK BEARING WALLS: (1)-#5 VERTICAL @ 8'-0" OC
- 8" INTERIOR JOIST OR DECK BEARING WALLS: (1)-#5 VERTICAL @ 4'-0" OC
- 8" EXTERIOR WALLS: (1)-#5 VERTICAL @ 4'-0" OC
- 12" WALLS: (1)-#6 VERTICAL @ 2'-0" OC
- 6" 8" CMU WALL BOND BEAMS SHALL HAVE (2)-#4 CONTINUOUS
- 12" CMU WALL BOND BEAMS SHALL HAVE (2)-#6 CONTINUOUS
- PROVIDE (2)-CORNER BARS TO MATCH BOND BEAM REINFORCING @ ALL CORNERS
- PROVIDE CONTINUOUS BOND BEAMS AT TOP OF WALL, JOIST AND DECK BEARING, AND 3'-0" OC
- PROVIDE BOND BEAMS BELOW WINDOWS, EXTEND 24" EACH SIDE BEYOND OPENINGS
- REFER TO ARCHITECTURAL DRAWINGS FOR MASONRY CONTROL JOINT LOCATIONS. TYPICAL CONTROL JOINT CONSTRUCTION SHALL BE IN ACCORDANCE WITH DETAIL 1 / 3.51
- CONSTRUCT INTERIOR CMU WALL INTERSECTIONS PER DETAIL 3 / 3.51
- CONSTRUCT MASONRY FOR STEEL BEAM BEARING PER DETAIL 5 / 3.51
- PROVIDE TYPICAL STEEL BEAM LINTEL CONSTRUCTION PER DETAIL 4 / 3.51

FOOTING SCHEDULE

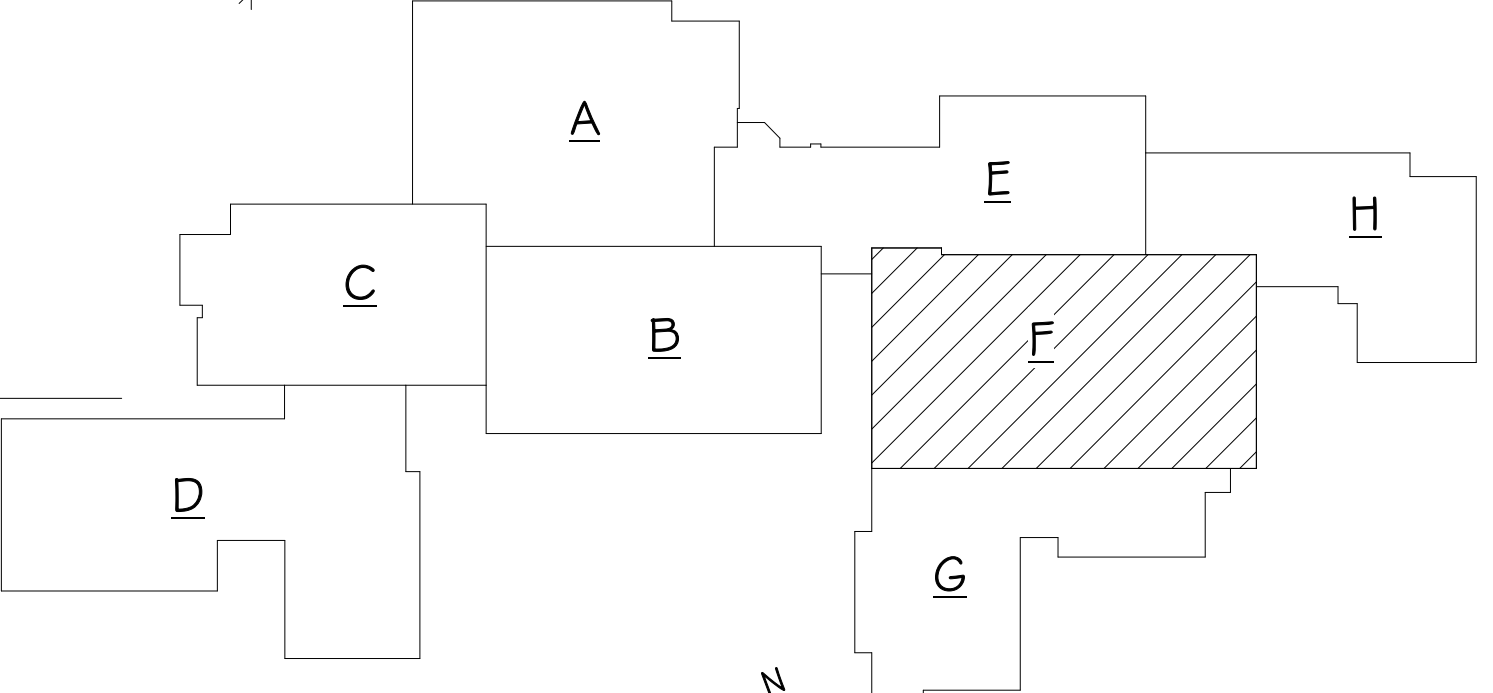
TYPE	DESCRIPTION	REINFORCING
F3	3'-0" SQ X 1'-0" THICK	(4)- #4 EACH WAY BOTTOM
F4	4'-0" SQ X 1'-0" THICK	(4)- #5 EACH WAY BOTTOM
F5	5'-0" SQ X 1'-0" THICK	(3)- #5 EACH WAY BOTTOM
F6	6'-0" SQ X 1'-4" THICK	(6)- #6 EACH WAY BOTTOM
F7	7'-0" SQ X 1'-4" THICK	(7)- #6 EACH WAY BOTTOM
F8	8'-0" SQ X 1'-8" THICK	(8)- #6 EACH WAY BOTTOM
F9	9'-0" SQ X 1'-8" THICK	(9)- #6 EACH WAY TOP + BOTTOM
WF2.0	2'-0" WIDE X 1'-0" THICK	(2) #5 CONTINUOUS
WF2.6	2'-6" WIDE X 1'-0" THICK	(2) #5 CONTINUOUS
WF3.0	3'-0" WIDE X 1'-0" THICK	(3) #5 CONTINUOUS
WF3.6	3'-6" WIDE X 1'-0" THICK	(3) #5 LONG BARS + #6 @ 20" OC TRANSVERSE BARS
WF3.0	3'-0" WIDE X 1'-0" THICK	(3) #5 LONG BARS + #6 @ 18" OC TRANSVERSE BARS

COLUMN SCHEDULE

MARK	TYPE
C4	HSS4X4X1/4
C4B	HSS4X4X1/8
C5	HSS5X5X1/4
C6	HSS6X6X1/4
C6B	HSS6X6X1/8
C7	HSS8X8X1/4
C8	HSS10X10X1/4
C8B	HSS10X10X1/8
C9	HSS12X12X1/4
C10	HSS10X10X1/4
C6B	HSS6X6X1/4



FOUNDATION PLAN-AREA F
1/8" = 1'-0"



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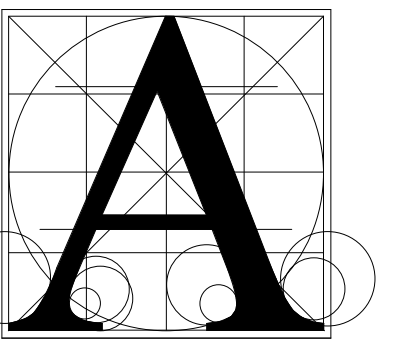
BALTIC HIGH SCHOOL ADDITION
FOUNDATION PLAN-AREA F

Project: _____
Sheet Contents: _____

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number: _____
date: 12/22/22
revision: _____
drawn: MW checked: JP
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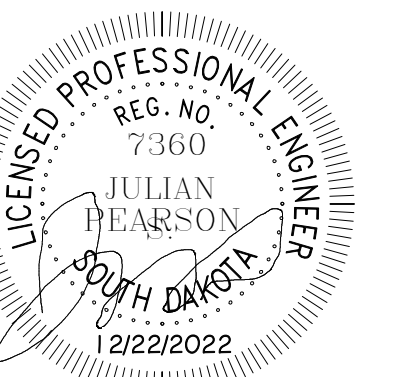
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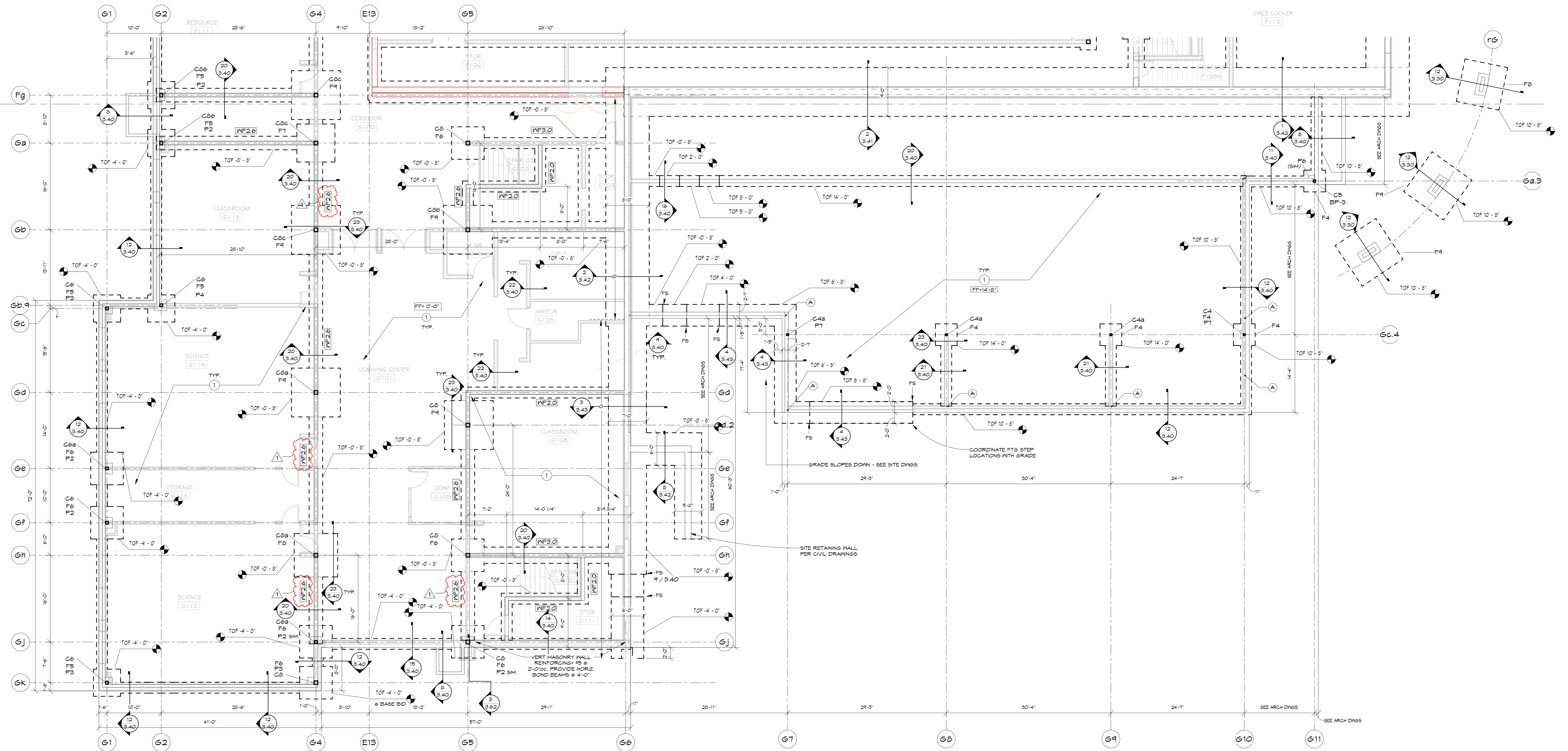


BALTIC HIGH SCHOOL ADDITION
FOUNDATION PLAN-AREA G

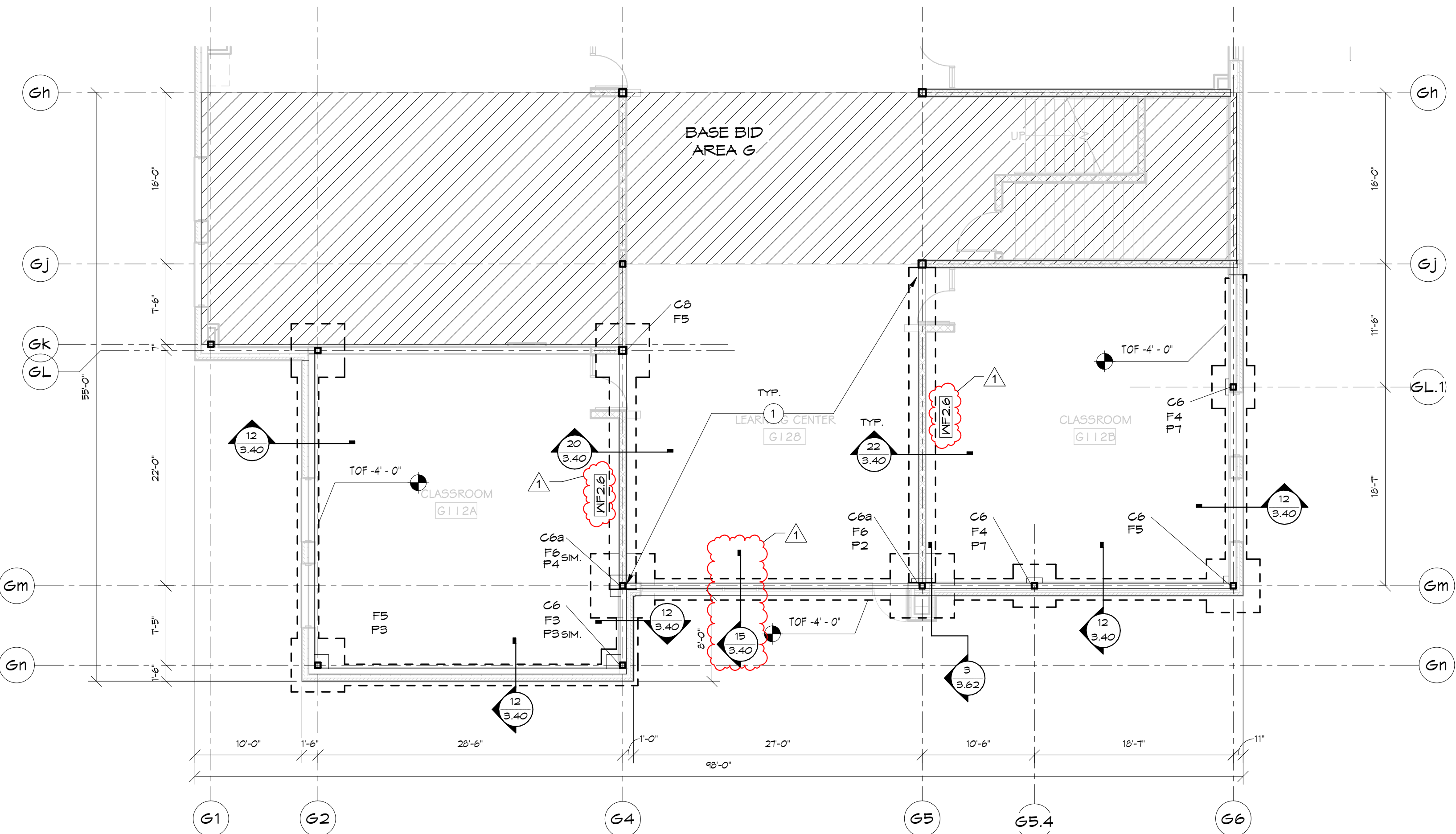
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1 1/20/23 ADDENDUM #2	

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FOUNDATION PLAN-AREA G
1/8" = 1'-0"



FOUNDATION PLAN-AREA G ADD ALT.
1/8" = 1'-0"

- FOUNDATION GENERAL NOTES**
- COLUMN BASEPLATES AND ANCHOR BOLTS SHALL BE IN ACCORDANCE WITH DETAIL (UNO) 1 / 3.51
 - APPLY TYP-11 TYPE BASEPLATES TYPICAL UNLESS INDICATED OTHERWISE ON THE FOUNDATION PLANS.
 - CONCRETE PIER DETAILS ARE INDICATED WITH "TYP" REFER TO SHEET 3.30 FOR TOP OF PIER DETAILS.
 - TYPICAL CONCRETE FOUNDATION WALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH DETAILS 1 / 3.40 4.2 / 3.40 4.3 / 3.40
 - SPLICE ALL REBAR ACCORDING TO SPLICE TABLE ON DETAIL 3 / 3.40
 - COORDINATE PIPE RUNS UNDER FOOTINGS, THROUGH FOUNDATION WALLS OR ADJACENT TO FOUNDATION WALLS PER DETAILS 5 / 3.40 6 / 3.40
 - SLAB-ON-GRADE JOINTS SHALL COMPLY WITH DETAIL 4 / 3.40
 - SEE ARCHITECTURAL DRAWINGS FOR LOCATION OF SLOPED, RAISED, OR DEPRESSED SLABS.
 - IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO COORDINATE ALL STUOP LOCATIONS AND SIZES IN THE ARCHITECTURAL AND SITE PLANS. PROVIDE A STUOP AT ALL EXTERIOR EXIT DOOR LOCATIONS UNLESS INDICATED OTHERWISE BY THE ARCHITECT. ALL THE REQUIRED STUOPS MAY NOT BE SHOWN ON THE STRUCTURAL DRAWINGS.
 - CONTINUE REINFORCING FOR CONTINUOUS WALL FOOTINGS THROUGH PAD FOOTINGS (TYPICAL).
 - NON-LOAD BEARING (NO DECK OR JOIST BEARINGS) INTERIOR MASONRY WALLS SHALL HAVE THICKENED SLAB FOOTINGS PER DETAIL (UNO) 22 / 3.40
 - G.C. COORDINATE EXACT LOCATION AND ELECTRICAL EQUIPMENT SUPPLIER & ELECTRICAL ENGINEER. UPPER GROUND CONSTRUCTION SHALL BE IN ACCORDANCE WITH DETAIL 7 / 3.40

- MASONRY WALL GENERAL NOTES**
- PROVIDE THE FOLLOWING MINIMUM CMU WALL REINFORCEMENT U.N.O. ON THE PLANS AND THE DETAILS. LOCATE VERTICAL BARS PER DETAIL 2 / 3.51
 - 6" OR 8" INTERIOR NON-JOIST OR DECK BEARING WALLS: (1) #5 VERTICAL @ 8'-0" (2) #5 VERTICAL @ 4'-0" (3) #5 INTERIOR JOIST OR DECK BEARING WALLS: (1) #5 VERTICAL @ 4'-0" (2) #5 VERTICAL @ 4'-0"
 - 8" EXTERIOR WALLS: (1) #5 VERTICAL @ 4'-0" (2) #5 VERTICAL @ 4'-0"
 - 12" WALLS: (1) #5 VERTICAL @ 2'-0" (2) #5 VERTICAL @ 2'-0"
 - 6" CMU WALL BOND BEAMS SHALL HAVE (2) #4 CONTINUOUS
 - 12" CMU WALL BOND BEAMS SHALL HAVE (2) #6 CONTINUOUS
 - PROVIDE (2) CORNER BARS TO MATCH BOND BEAM REINFORCING @ ALL CORNERS
 - PROVIDE BOND BEAMS BELOW WINDOWS, EXTEND 24" EACH SIDE BEYOND OPENINGS
 - REFER TO ARCHITECTURAL DRAWINGS FOR MASONRY CONTROL JOINT LOCATIONS. TYPICAL CONTROL JOINT CONSTRUCTION SHALL BE IN ACCORDANCE WITH DETAIL 1 / 3.51
 - CONSTRUCT INTERIOR CMU WALL INTERSECTIONS PER DETAIL 3 / 3.51
 - CONSTRUCT MASONRY FOR STEEL BEAM BEARINGS PER DETAIL 5 / 3.51
 - PROVIDE TYPICAL STEEL BEAM LINTEL CONSTRUCTION PER DETAIL 4 / 3.51

HOLDOWN SCHEDULE

MARK	DESCRIPTION	EMBEDMENT
A	SIMPSON 5-HDU4	1/8" Ø THREADED ROD EMBED 16" IN SIMPSON SET EPOXY
B	SIMPSON 5-HDU6	5/8" Ø THREADED ROD DIRECTLY WELDED TO TOP OF STEEL BEAM FLANGE
C	SIMPSON 5-HDU6	5/8" Ø THREADED ROD EMBEDDED 24" INTO SOLID GROUT CORE IN SIMPSON SET EPOXY

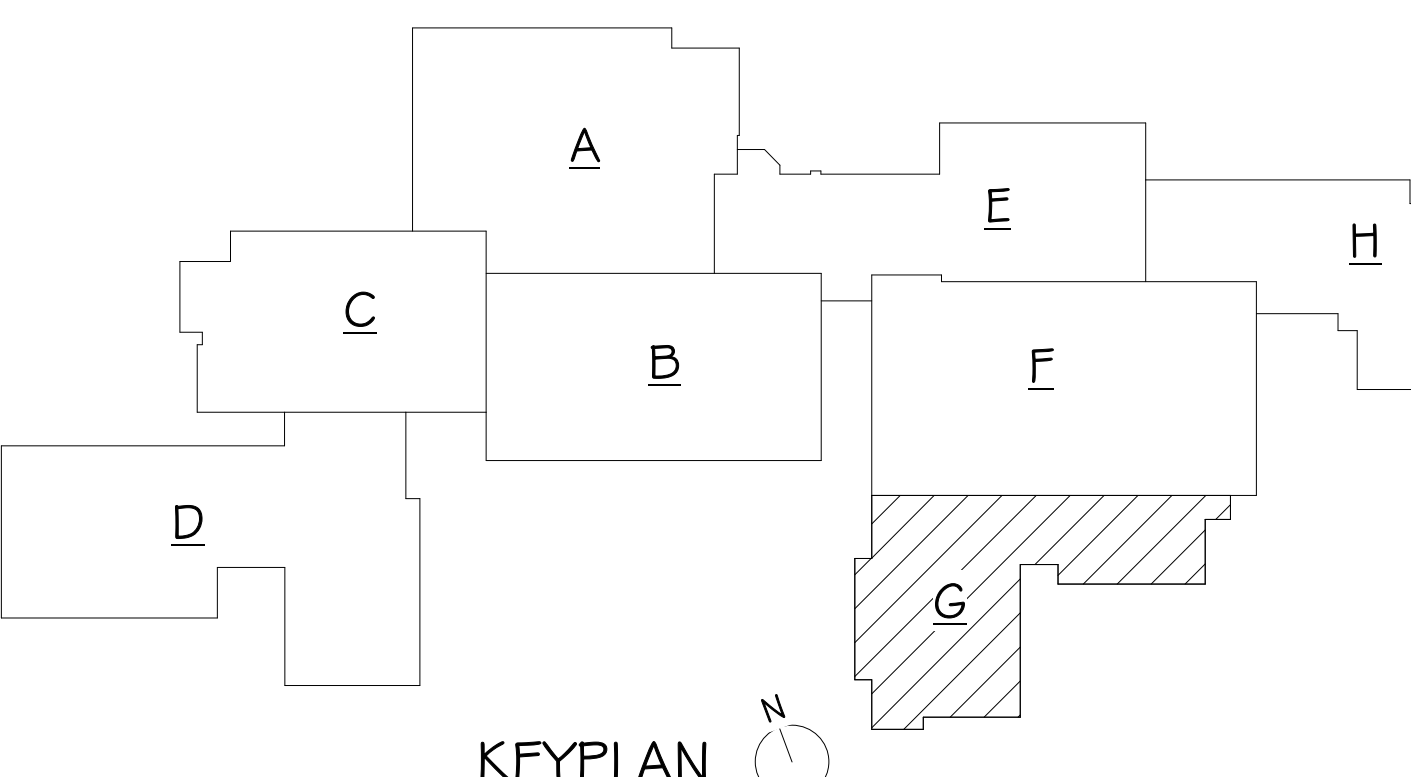
- FOUNDATION PLAN NOTES**
- SLAB-ON-GRADE: 4" CONCRETE OVER FREE-DRAINING GRANULAR BASE AS REQUIRED BY GEOTECHNICAL REPORT. PROVIDE #5 REINFORCING BARS @ 2'-0" ON-CENTER EACH WAY CENTERED AT MID-DEPTH AND SUPPORTED WITH CHAIRS OR BOLSTERS. SPACE CONTROL JOINTS AT 20'-0" MAXIMUM.
 - SLAB-ON-GRADE: 4" CONCRETE OVER FREE-DRAINING GRANULAR BASE AS REQUIRED BY GEOTECHNICAL REPORT. PROVIDE MICROFIBER MESH @ DOSAGE RATE OF 4 POUNDS/YARD (STRUK 80/40) OR APPROVED EQUAL. CONCRETE GO TO SUBMIT CONTROL & CONSTRUCTION JOINT PLAN TO E.O.R. & A.O.R. FOR APPROVAL. RECESS FLOOR 3" IN VERIFY FINAL FLOOR ELEVATION IN FLOORING SUPPLIER & ARCH DVGSS.
 - PROVIDE 1'-0" WIDE BY 8" THICK SLAB IN (2) #5 BARS CONT. IN BOTTOM AT METAL STUD WALL LOCATION. REFER TO ARCH DVGSS FOR METAL STUD WALL LOGS.
 - PROVIDE HSS6X1/4 POSTS @ 4'-0" MAX SPACING. FASTEN 3/8" THICK BASE PLATE @ HSS COL TO THICKEND SLAB IN 1/2" Ø HANK BOLT 3 ANCHOR EMBED 4 1/2" IN SIDE OF HSS COL (2) ANCHORS PER COLUMN.

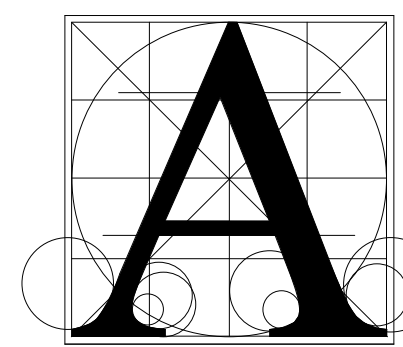
FOOTING SCHEDULE

TYPE MARK	DESCRIPTION	REINFORCING
F3	3'-0" WIDE X 1'-0" THICK	(4) #4 EACH WAY BOTTOM
F4	4'-0" WIDE X 1'-0" THICK	(4) #5 EACH WAY BOTTOM
F5	5'-0" WIDE X 1'-0" THICK	(5) #5 EACH WAY BOTTOM
F6	6'-0" WIDE X 1'-0" THICK	(6) #5 EACH WAY BOTTOM
F7	7'-0" WIDE X 1'-0" THICK	(7) #5 EACH WAY BOTTOM
F8	8'-0" WIDE X 1'-0" THICK	(8) #5 EACH WAY BOTTOM
F9	9'-0" WIDE X 1'-0" THICK	(9) #5 EACH WAY TOP & BOTTOM
WF2.0	2'-0" WIDE X 1'-0" THICK	(2) #5 CONTINUOUS
WF3.0	3'-0" WIDE X 1'-0" THICK	(3) #5 CONTINUOUS
WF3.8	3'-8" WIDE X 1'-0" THICK	(3) #5 LONG BARS & #6 @ 20" OC TRANSVERSE BARS
WF6.0	6'-0" WIDE X 1'-0" THICK	(6) #5 LONG BARS & #6 @ 16" OC TRANSVERSE BARS

COLUMN SCHEDULE

MARK	TYPE
C4	HSS4X4X1/4
C4b	HSS4X4X3/16
C5	HSS5X5X1/4
C6	HSS6X6X1/4
C6b	HSS6X6X3/16
C6c	HSS6X6X1/4
C6d	HSS6X6X3/8
C6e	HSS6X6X1/2
C6f	HSS6X6X1/4
C6g	HSS6X6X1/4





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BALTIC HIGH SCHOOL ADDITION
SECOND FLOOR FRAMING- AREA F

Project	
Sheet Contents	
number	
date	12/22/22
revision	
drawn	MW
checked	JP
NO. DATE DESCRIPTION	
1 1/20/23 ADDENDUM #2	

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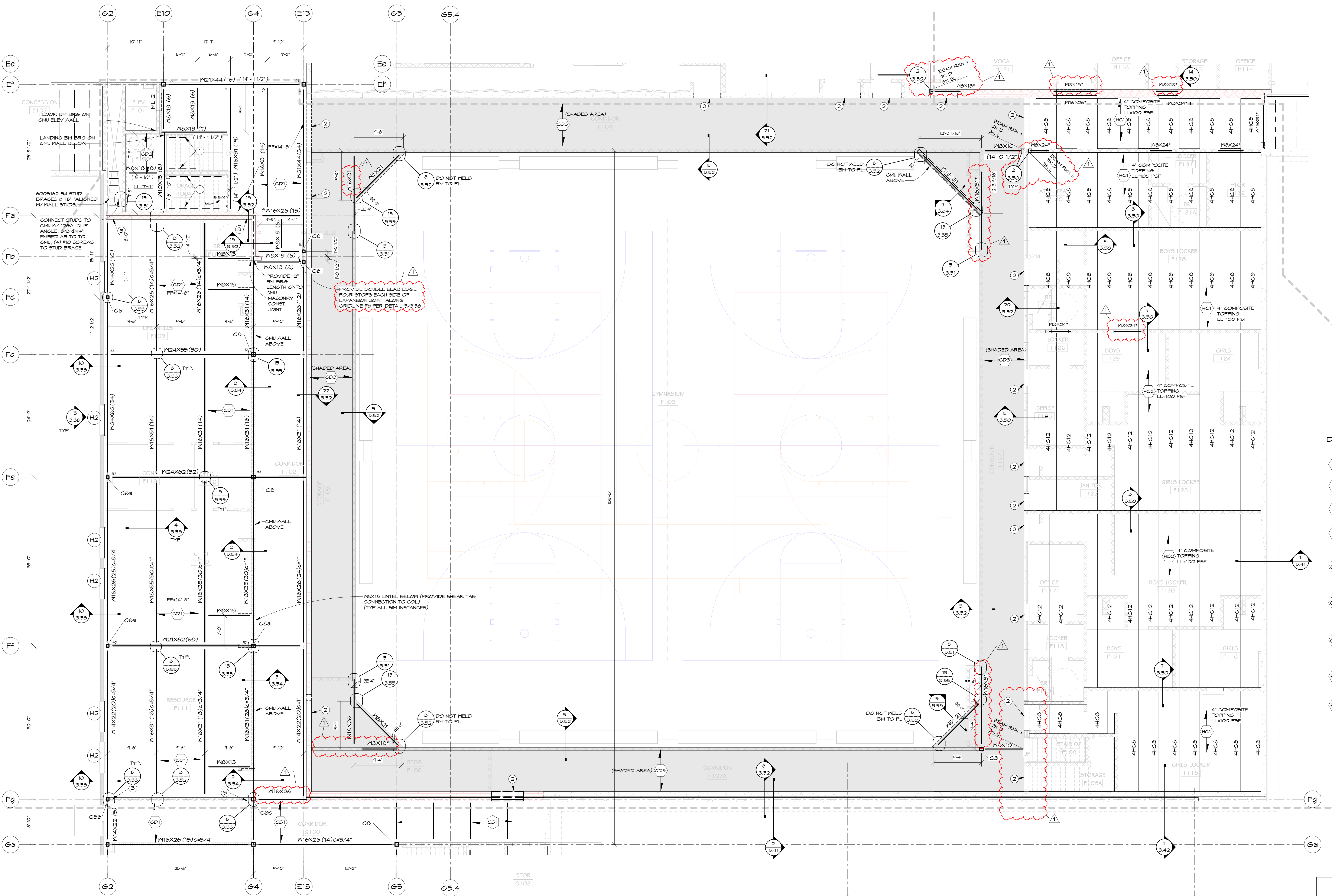
MARK	DESCRIPTION	JAMB STUDS	SILL	DETAIL
(H1)	600S950-60 (PEAK AXIS) + 600T125-54 TRACK	(1)-600S950-60 FULL-HGT	600T125-54	11 / 3.56
(H2)	(2) 600S162-66 (BOXED) + 600T125-54 TRACK TOP & BOT	(1)-600S950-60 FULL-HGT	600T125-54	4 / 3.56
(H3)	(2) 600S162-66 (BOXED) + 600T125-54 TRACK TOP & BOT	(1)-600S950-60 FULL-HGT	600T125-54	13 / 3.56
(H4)	600S950-60 (PEAK AXIS) + 600T125-54 TRACK	(1)-600S950-60 FULL-HGT	600T125-54	11 / 3.56
(H5)	(2) 600S162-66 (BOXED) + 600T125-54 TRACK TOP & BOT	(1)-600S950-60 FULL-HGT	600T125-54	13 / 3.56

MARK	TYPE
C4	HSS4X4X1/4
C8	HSS4X4X1/6
C8	HSS6X8X1/4
C8	HSS8X8X1/4
C8	HSS8X8X3/8
C8	HSS8X12X1/4
C8	HSS8X12X1/6
C10	HSS10X10X1/4
C8b	HSS6X8X1/4

TYPE	DESCRIPTION	REINFORCING
F3	3'-0" SQ X 1'-0" THICK	(4)- #4 EACH WAY BOTTOM
F4	4'-0" SQ X 1'-0" THICK	(4)- #5 EACH WAY BOTTOM
F5	5'-0" SQ X 1'-0" THICK	(5)- #5 EACH WAY BOTTOM
F6	6'-0" SQ X 1'-4" THICK	(6)- #6 EACH WAY BOTTOM
F7	7'-0" SQ X 1'-4" THICK	(7)- #6 EACH WAY BOTTOM
F8	8'-0" SQ X 1'-0" THICK	(8)- #6 EACH WAY BOTTOM
F8	8'-0" SQ X 1'-0" THICK	(8)- #6 EACH WAY TOP & BOTTOM
F8	8'-0" SQ X 1'-0" THICK	(1)- #6 CONTINUOUS
F8.2	2'-6" WIDE X 1'-0" THICK	(2) #5 CONTINUOUS
F8.2	3'-0" WIDE X 1'-0" THICK	(3) #5 CONTINUOUS
F8.6	3'-6" WIDE X 1'-0" THICK	(3) #5 LONG BARS + #6 @ 20" OC TRANSVERSE BARS
F8.6	5'-0" WIDE X 1'-0" THICK	(5) #5 LONG BARS + #6 @ 18" OC TRANSVERSE BARS

MARK	DESCRIPTION	BRG LENGTH
(L1)	L6X4X3/8 LLH	6" EACH END
(L2)	L5X5X3/8	6" EACH END
(L3)	L5X5X3/8	6" EACH END

MARK	WIDTH	DEPTH	REINFORCING
ML-1	6"	16"	(2) #4 BOTTOM
ML-2	6"	24"	(2) #4 BOTTOM
ML-3	12"	24"	(2) #4 TOP & BOTTOM



- ### 2ND FLR GENERAL NOTES
- ALL STEEL BEAMS, JOISTS & BRIDGES SHOWN ON THIS PLAN ARE COMPOSITE UNLESS NOTED OTHERWISE. SEE SHEET 3.20-2G FOR TYPICAL CONSTRUCTION DETAILS. PROVIDE ONE ROW OF STUDS @ 18" OC IF NO STUDS ARE INDICATED ON THE BEAM. PROVIDE ADDITIONAL STUDS @ 18" OC IF THE NUMBER OF STUDS INDICATED DOES NOT RESULT IN STUDS AT 18" OC.
 - THE GENERAL CONTRACTOR SHALL COORDINATE FLOOR PENETRATIONS AND SIZES NOT SHOWN BY STRUCTURAL ENGINEER OF RECORD. STRUCTURAL ENGINEER OF RECORD SHALL DESIGN MEMBERS AS NEEDED FOR FLOOR PENETRATIONS 2'-0" WIDE. SEE DETAIL 96007 FOR OPENINGS + 2'-0" WIDE.
 - COORDINATE ALL DIMENSIONS SHOWN WITH THE ARCHITECTURAL DRAWINGS. REFER TO ARCHITECTURAL DRAWINGS FOR ALL DIMENSIONS NOT SHOWN. CONSULT THE A.C.R. AND E.C.R. WITH DIMENSIONS DISCREPANCIES BEFORE FABRICATION OR CONSTRUCTION BEGINS.
 - DETAILS LABELED AS 'TYP' SHOULD BE APPLIED TYPICAL CONSTRUCTION DETAILS UNLESS NOTED OTHERWISE.
 - TYPICAL NON-LOAD BEARING PARTITION WALLS SHALL BE BRACED ACCORDING TO DETAILS L3040, L3041. SEE ARCHITECTURAL PLANS FOR WALL HEIGHTS AND LOCATIONS.
 - PROVIDE 1/4" THICK BENT PLATE ABOVE ALL DECK PERIMETERS UNLESS INDICATED OTHERWISE ON DETAILS.

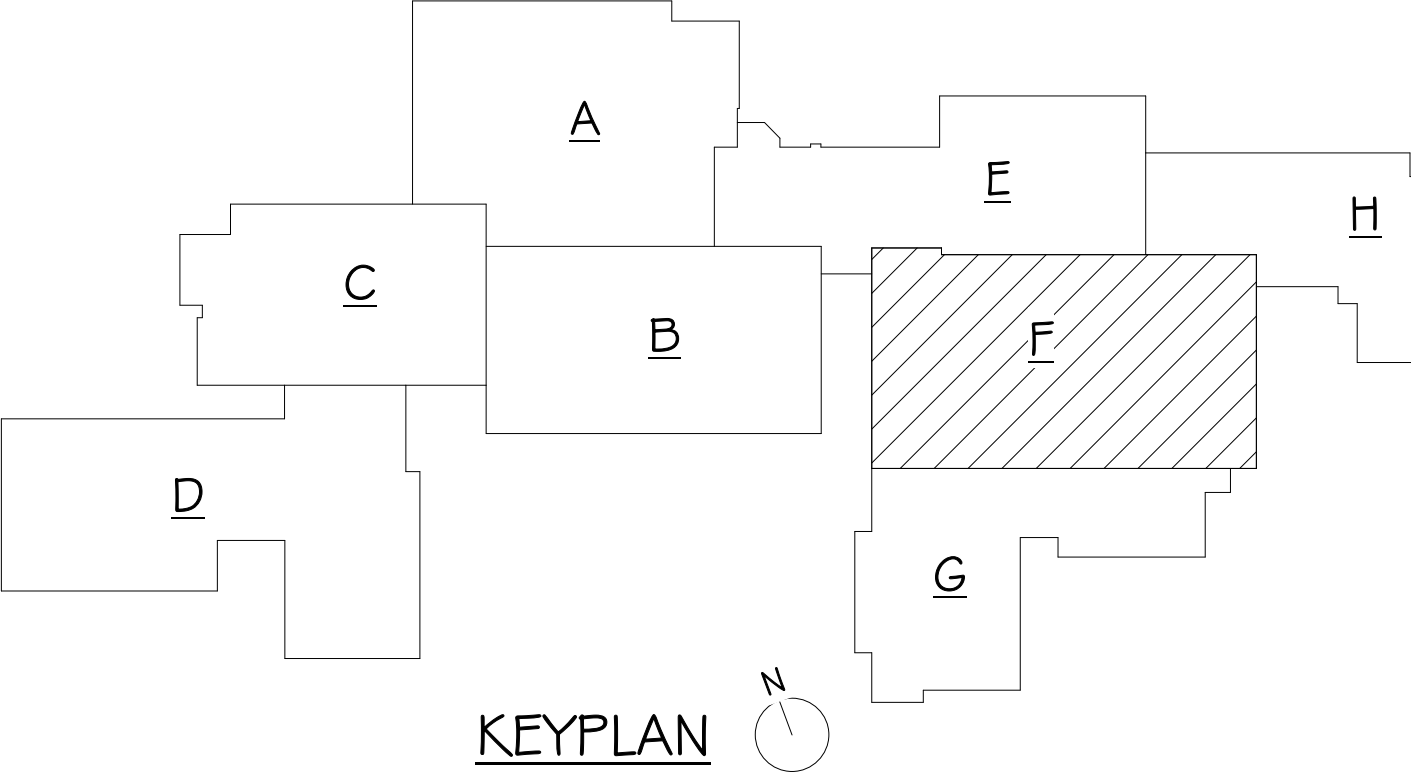
- ### FRAMING PLAN NOTES
- STAIR SYSTEM COMPONENTS NOT SPECIFICALLY NOTED (STRINGER/FRIEDGES/RAILINGS) SHALL BE DESIGNED BY THE SUPPLIER. SEE ARCH DVSFS FOR MORE INFO.
 - CONCRETE HEADER INTEGRATED INTO PRECAST WALL DESIGNED AND PROVIDED BY PRECAST SUPPLIER.
 - PROVIDE (1) #5 VERTICAL BARS IN TWO CELLS CONTINUOUS FULL HEIGHT AND END OF WALL. PROVIDE MATCHING STANDARD HOOKED DOVELS INTO FOUNDATIONS. LOCATE BARS IN CELL PER 2 / 3.51.

- ### MASONRY WALL GENERAL NOTES
- PROVIDE THE FOLLOWING MINIMUM CMU WALL REINFORCEMENT U.N.C. ON THE PLANS AND THE DETAILS. LOCATE VERTICAL BARS PER DETAIL 2 / 3.51.
 - 6" OR 8" INTERIOR NON-JOIST OR DECK BEARING WALLS: (1)-#5 VERTICAL @ 4'-0" OC
 - 8" INTERIOR JOIST OR DECK BEARING WALLS: (1)-#5 VERTICAL @ 4'-0" OC
 - 12" WALLS: (1)-#6 VERTICAL @ 2'-0" OC
 - 6" & 8" CMU WALL BOND BEAMS SHALL HAVE (2)-#4 CONTINUOUS
 - 12" CMU WALL BOND BEAMS SHALL HAVE (2)-#6 CONTINUOUS
 - PROVIDE (2)-CORNER BARS TO MATCH BOND BEAM REINFORCING @ ALL CORNERS
 - PROVIDE CONTINUOUS BOND BEAMS AT TOP OF WALL, JOIST AND DECK BEARING, AND 2'-0" OC
 - PROVIDE BOND BEAMS BELOW WINDOWS, EXTEND 24" EACH SIDE BEYOND OPENINGS
 - REFER TO ARCHITECTURAL DRAWINGS FOR MASONRY CONTROL JOINT LOCATIONS. TYPICAL CONTROL JOINT CONSTRUCTION SHALL BE IN ACCORDANCE WITH DETAIL 1 / 3.51
 - CONSTRUCT INTERIOR CMU WALL INTERSECTIONS PER DETAIL 3 / 3.51
 - CONSTRUCT MASONRY FOR STEEL BEAM BEARING PER DETAIL 5 / 3.51
 - PROVIDE TYPICAL STEEL BEAM LINTEL CONSTRUCTION PER DETAIL 4 / 3.51

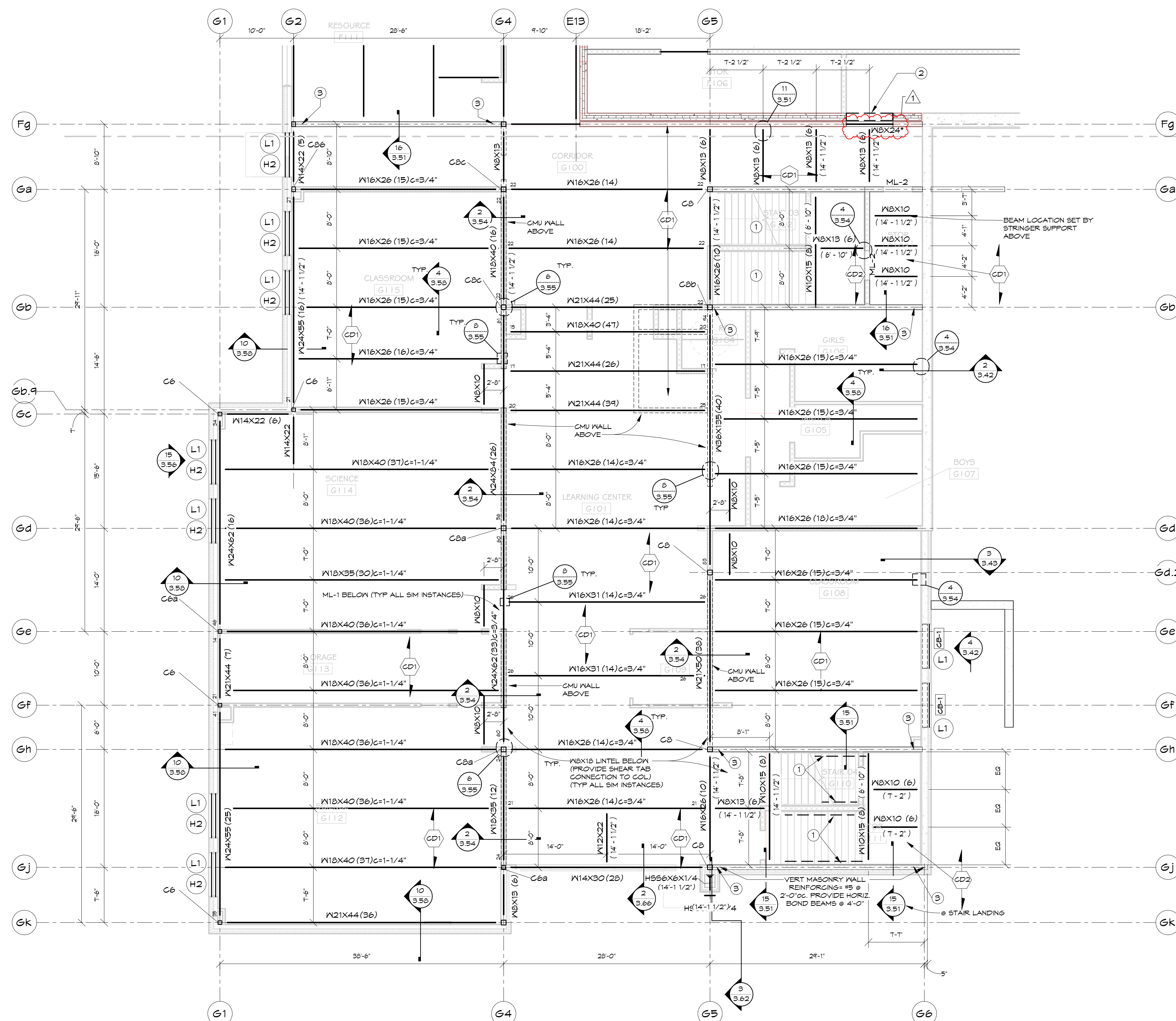
- ### DECK/SLAB SCHEDULE
- | MARK | DESCRIPTION |
|------|---|
| D1 | METAL ROOF DECK: 1 1/2" x 20ga WIDE RIBBED (TYPE B). FASTEN TO SUPPORTS WITH 5/8" PUDDLE WELDS AT 36" FASTENER LAYOUT AND FASTEN SIDE LAPS WITH (3) - #10 TEK SCREWS PER SPAN. |
| D2 | METAL ROOF DECK: 1 1/2" x 20ga WIDE RIBBED (TYPE B). FASTEN TO SUPPORTS WITH 5/8" PUDDLE WELDS AT 36" FASTENER LAYOUT AND FASTEN SIDE LAPS WITH (1) - #10 TEK SCREWS PER SPAN. |
| D3 | METAL ROOF DECK: 1 1/2" x 20ga WIDE RIBBED (TYPE B). FASTEN TO SUPPORTS WITH 5/8" PUDDLE WELDS AT 36" FASTENER LAYOUT AND FASTEN SIDE LAPS WITH (6) - #10 TEK SCREWS PER SPAN. |
| D4 | METAL FLOOR DECK: 1.5G-36X20GA. (1 1/2") NON-COMPOSITE METAL FORM DECK W/ 1/2" PLYWOOD DECKING. FASTEN TO SUPPORTS W/ #10 (MIN) SCREWS @ 36" FASTENER LAYOUT. PROVIDE PAWS @ STEEL BEAM W/ 3/4" FASTENER LAYOUT WHERE OCCURS. |
| CD1 | METAL FLOOR DECK: 4 1/2" NORMAL WEIGHT CONCRETE OVER 2'x10 GAUGE GALVANIZED (60) COMPOSITE FLOOR DECK (6 1/2" TOTAL THICKNESS). METAL DECK + VULCANITE 2.0VU OR EQUAL. PROVIDE STRUK 90/40 (OR APPROVED EQUAL) MACRO FIBER MESH AT A DOSAGE RATE OF 4#/CUBIC YARD. PROVIDE 3/4" DIAMETER X 6" (F148 KSI) HEADED STUD ANCHORS AS INDICATED ON THE PLANS AND DETAILS. |
| CD2 | METAL FLOOR DECK: 4 1/2" NORMAL WEIGHT CONCRETE OVER 2'x10 GAUGE GALVANIZED (60) COMPOSITE FLOOR DECK (6 1/2" TOTAL THICKNESS). METAL DECK + VULCANITE 2.0VU OR EQUAL. PROVIDE STRUK 90/40 (OR APPROVED EQUAL) MACRO FIBER MESH AT A DOSAGE RATE OF 4#/CUBIC YARD. PROVIDE 3/4" DIAMETER X 6" (F148 KSI) HEADED STUD ANCHORS AS INDICATED ON THE PLANS AND DETAILS. |
| CD3 | METAL FLOOR DECK: 4 1/2" NORMAL WEIGHT CONCRETE OVER 3'x10 GAUGE GALVANIZED COMPOSITE FLOOR DECK (1 1/2" TOTAL THICKNESS). METAL DECK + VULCANITE 2.0VU OR EQUAL. PROVIDE STRUK 90/40 (OR APPROVED EQUAL) MACRO FIBER MESH AT A DOSAGE RATE OF 4#/CUBIC YARD. PROVIDE 3/4" DIAMETER X 6" (F148 KSI) HEADED STUD ANCHORS AS INDICATED ON THE PLANS AND DETAILS. |
| HC1 | 8" THICK X 4'-0" WIDE PRECAST CONCRETE HOLLOW-CORE PLANKS WITH COMPOSITE CONCRETE TOPPING THICKNESS PER PLAN. PROVIDE POLY FIBER MESH IN TOPPING. DESIGN LOADS: LIVE LOAD + 125PSF. DEAD LOAD + SELF WEIGHT + TOPPING + 20PSF. |
| HC2 | 12" THICK X 4'-0" WIDE PRECAST CONCRETE HOLLOW-CORE PLANKS WITH COMPOSITE CONCRETE TOPPING PER PLAN. PROVIDE POLY FIBER MESH IN TOPPING. DESIGN LOADS: LIVE LOAD + 100PSF. DEAD LOAD + SELF WEIGHT + TOPPING + 20PSF. |

SECOND FLOOR FRAMING- AREA F
1/8" = 1'-0"

FF EL (TO CONC FLOOR) = 14'-8" UNO
TOS @ METAL COMP DECK FLOOR = 14'-1 1/2" UNO

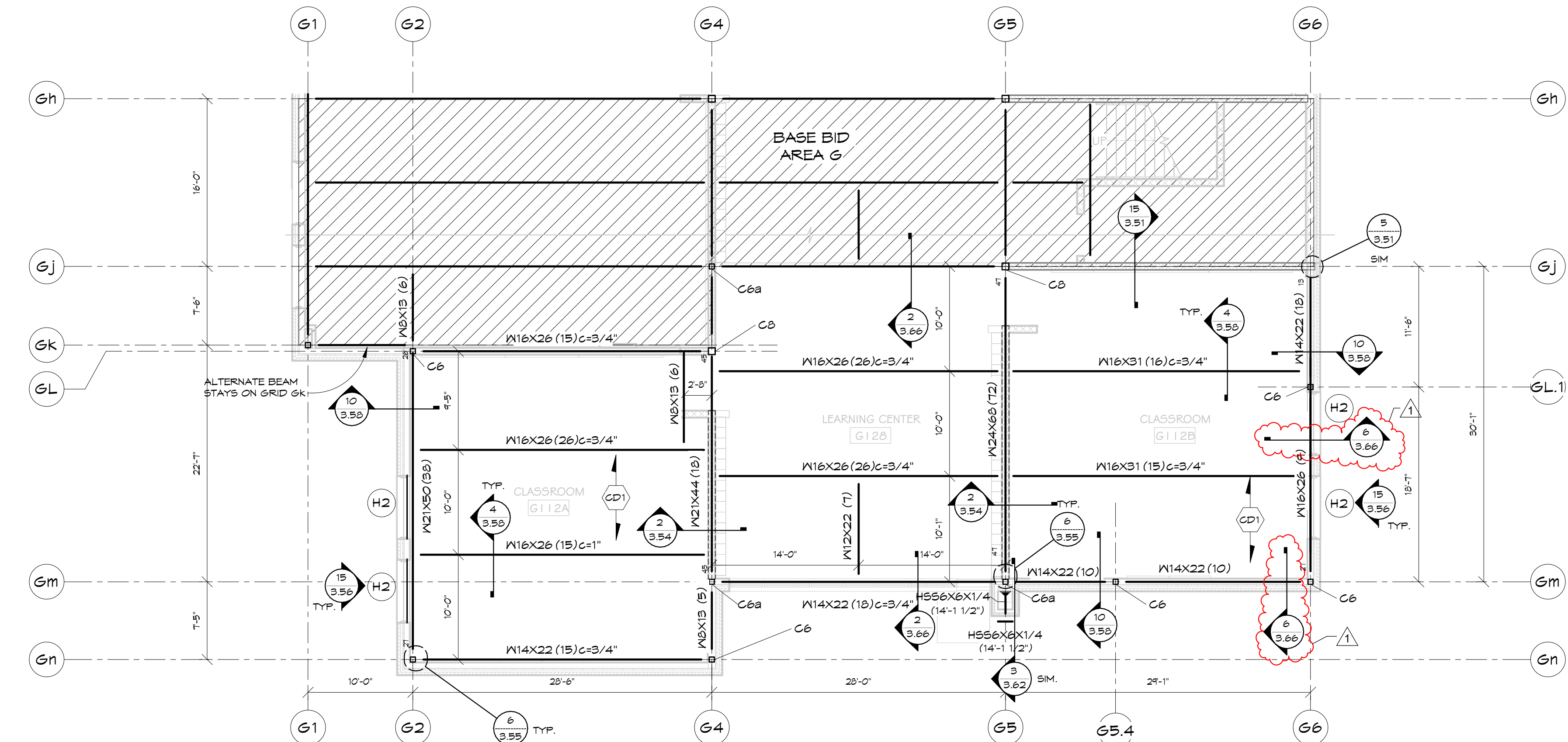


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SECOND FLOOR FRAMING- AREA G
1/8" = 1'-0"

FF EL (TO CONC FLOOR) = 14'-8" UNO
TOS = 14' 1 1/2" UNO



SECOND FLOOR FRAMING- ADD ALT. AREA G
1/8" = 1'-0"

METAL STUD WALL OPENING CONSTRUCTION- REFERENCE DETAILS 14 / 3.56 & 15 / 3.56

MARK	DESCRIPTION	JAMB STUDS	SILL	DETAIL
(H1)	800S950-60 (NEAK AXIS) + 800T125-54 TRACK	(1)-800S950-60 FULL-HGT	800T125-54	11 / 3.56
(H2)	(2) 800S162-54 (BOXED) + 800T125-54 TRACK TOP & BOT	(1)-800S950-60 FULL-HGT	800T125-54	9 / 3.56
(H3)	(2) 800S162-60 (BOXED) + 800T125-54 TRACK TOP & BOT	(1)-800S950-60 FULL-HGT	800T125-54	13 / 3.56
(H4)	800S950-60 (NEAK AXIS) + 800T125-60 TRACK	(1)-800S950-60 FULL-HGT	800T125-60	11 / 3.56
(H5)	(2) 800S162-RT (BOXED) + 800T125-54 TRACK TOP & BOT	(1)-800S950-60 FULL-HGT	800T125-54	13 / 3.56

COLUMN SCHEDULE

MARK	TYPE
C4	HSB44X14/4
C4B	HSB44X18/8
C5	HSB56X14/4
C6	HSB56X14/4
C6B	HSB56X18/8
C6C	HSB56X18/8
C6D	HSB56X18/8
C6E	HSB56X18/8
C6F	HSB56X18/8
C6G	HSB56X18/8
C6H	HSB56X18/8
C6I	HSB56X18/8
C6J	HSB56X18/8
C6K	HSB56X18/8

EXTERIOR MASONRY VENEER LINTELS

MARK	DESCRIPTION	BRG LENGTH
LL1	18x4x3/8 LLH	6' EACH END
LL2	18x8x3/8/16	6' EACH END
LL3	18x8x3/8/0	6' EACH END

LLH = LONG LEG HORIZONTAL
LLV = LONG LEG VERTICAL

MASONRY CMU LINTEL SCHEDULE-SEE DETAIL 9 / 3.51

MARK	WIDTH	DEPTH	REINFORCING
ML-1	8"	16"	(2) #4 BOTTOM
ML-2	8"	24"	(2) #4 BOTTOM
ML-3	12"	24"	(2) #4 TOP & BOTTOM

2ND FLR GENERAL NOTES

- ALL STEEL BEAMS, JOISTS & GIRDERS SHOWN ON THIS PLAN ARE COMPOSITE UNLESS NOTED OTHERWISE. SEE SHEET XXX FOR TYPICAL CONSTRUCTION DETAILS. PROVIDE ONE ROW OF STUDS @ 18" OC IF NO STUDS ARE INDICATED ON THE BEAM. PROVIDE ADDITIONAL STUDS @ 18" OC IF THE NUMBER OF STUDS INDICATED DOES NOT RESULT IN STUDS AT 18" OC.
- THE GENERAL CONTRACTOR SHALL COORDINATE FLOOR PENETRATIONS AND SIZES NOT SHOWN IN STRUCTURAL DRAWINGS FOR ALL DIMENSIONS NOT SHOWN. CONSULT THE A.C. AND E.C.R. WITH DIMENSION DISCREPANCIES BEFORE FABRICATION OR CONSTRUCTION BEGINS.
- COORDINATE ALL DIMENSIONS SHOWN WITH THE ARCHITECTURAL DRAWINGS. REFER TO ARCHITECTURAL DRAWINGS FOR ALL DIMENSIONS NOT SHOWN. CONSULT THE A.C. AND E.C.R. WITH DIMENSION DISCREPANCIES BEFORE FABRICATION OR CONSTRUCTION BEGINS.
- DETAILS LABELED AS "TYP" SHOULD BE APPLIED TYPICAL CONSTRUCTION DETAILS U.N.O.
- TYPICAL NON-LOAD BEARING PARTITION WALLS SHALL BE BRACED ACCORDING TO DETAILS L3040.L3041. SEE ARCHITECTURAL PLANS FOR WALL HEIGHTS AND LOCATIONS.
- PROVIDE 1/4" THICK BENT PLATE AROUND ALL DECK PERIMETERS UNLESS INDICATED OTHERWISE ON DETAILS.

FRAMING PLAN NOTES

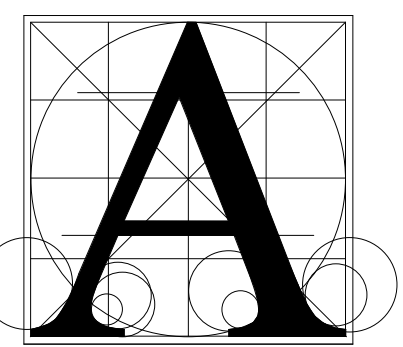
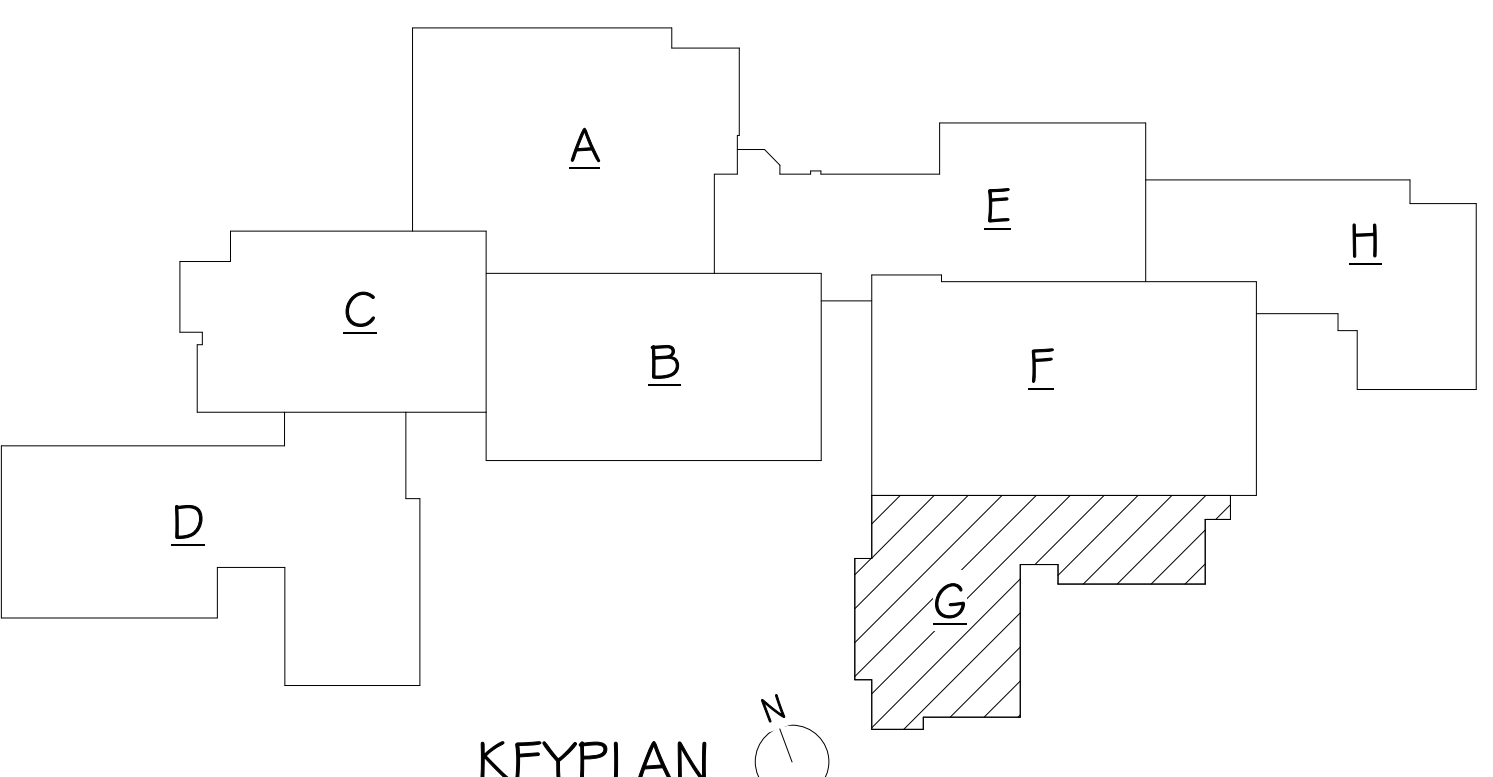
- STAR SYSTEM COMPONENTS NOT SPECIFICALLY NOTED (STRINGER/PAN/TREADS/RAILINGS) SHALL ENGINEERED BY THE SUPPLIER. SEE ARCH DIAGS FOR MORE INFO.
- CONCRETE HEADER INTEGRATED INTO PRECAST WALL DESIGNER AND PROVIDED BY PRECAST SUPPLIER.
- PROVIDE (1) #5 VERTICAL BARS IN TWO CELLS CONTINUOUS FULL HEIGHT AND END OF WALL. PROVIDE MATCHING STANDARD HOOKED DONNELS INTO FOUNDATIONS. LOCATE BARS IN CELL PER. 2 / 3.51

DECK/SLAB SCHEDULE

- (D1) METAL ROOF DECK: 1 1/2" x 20ga WIDE RIBBED (TYPE B). FASTEN TO SUPPORTS WITH 3/8" PUZZLE WELDS AT 36/7 FASTENER LAYOUT AND FASTEN SIDE LAPS WITH (3) - #10 TEK SCREWS PER SPAN.
- (D2) METAL ROOF DECK: 1 1/2" x 20ga WIDE RIBBED (TYPE B). FASTEN TO SUPPORTS WITH 3/8" PUZZLE WELDS AT 36/7 FASTENER LAYOUT AND FASTEN SIDE LAPS WITH (3) - #10 TEK SCREWS PER SPAN.
- (D3) METAL ROOF DECK: 1 1/2" x 20ga WIDE RIBBED (TYPE B). FASTEN TO SUPPORTS WITH 3/8" PUZZLE WELDS AT 36/7 FASTENER LAYOUT AND FASTEN SIDE LAPS WITH (3) - #10 TEK SCREWS PER SPAN.
- (D4) METAL FLOOR DECK: 150-36x20GA (1 1/2") NON-COMPOSITE METAL FORM DECK W/ 1/2" PLATED DECKING. FASTEN TO SUPPORTS W/ #10 (MIN) SCREWS @ 36/4 FASTENER LAYOUT. PROVIDE PAFS @ STEEL BEAMS W/ 36/4 FASTENER LAYOUT WHERE OCCURS.
- (GD1) METAL FLOOR DECK: 4 1/2" NORMAL HEIGHT CONCRETE OVER 2"x10 GAUGE GALVANIZED (60) COMPOSITE FLOOR DECK (6" TOTAL THICKNESS). METAL DECK = VULCRAFT 2.0VLI OR EQUAL. PROVIDE STRUK 80/40 (OR APPROVED EQUAL) MACRO FIBER MESH AT A DOSAGE RATE OF 4#/CUBIC YARD. PROVIDE 3/4" DIAMETER x 4' (1/4" DIA) HEADED STUD ANCHORS AS INDICATED ON THE PLANS AND DETAILS.
- (GD2) METAL FLOOR DECK: 4" NORMAL HEIGHT CONCRETE OVER 2"x10 GAUGE GALVANIZED (60) COMPOSITE FLOOR DECK (6" TOTAL THICKNESS). METAL DECK = VULCRAFT 2.0VLI OR EQUAL. PROVIDE STRUK 80/40 (OR APPROVED EQUAL) MACRO FIBER MESH AT A DOSAGE RATE OF 4#/CUBIC YARD. PROVIDE 3/4" DIAMETER x 4' (1/4" DIA) HEADED STUD ANCHORS AS INDICATED ON THE PLANS AND DETAILS.
- (GD3) METAL FLOOR DECK: 4 1/2" NORMAL HEIGHT CONCRETE OVER 2"x10 GAUGE GALVANIZED (60) COMPOSITE FLOOR DECK (6" TOTAL THICKNESS). METAL DECK = VULCRAFT 2.0VLI OR EQUAL. PROVIDE STRUK 80/40 (OR APPROVED EQUAL) MACRO FIBER MESH AT A DOSAGE RATE OF 4#/CUBIC YARD. PROVIDE 3/4" DIAMETER x 4' (1/4" DIA) HEADED STUD ANCHORS AS INDICATED ON THE PLANS AND DETAILS.
- (HC1) 8" THICK x 4'-0" WIDE PRECAST CONCRETE HOLLOW-CORE PLANKS WITH COMPOSITE CONCRETE TOPPING THICKNESS PER PLAN. PROVIDE POLY FIBER MESH IN TOPPING. DESIGN LOADS: LIVE LOAD = 125PSF. DEAD LOAD = SELF HEIGHT + TOPPING + 20PSF
- (HC2) 12" THICK x 4'-0" WIDE PRECAST CONCRETE HOLLOW-CORE PLANKS WITH COMPOSITE CONCRETE TOPPING THICKNESS PER PLAN. PROVIDE POLY FIBER MESH IN TOPPING. DESIGN LOADS: LIVE LOAD = 100PSF. DEAD LOAD = SELF HEIGHT + TOPPING + 20PSF

MASONRY WALL GENERAL NOTES

- PROVIDE THE FOLLOWING MINIMUM CMU WALL REINFORCEMENT U.N.O. ON THE PLANS AND THE DETAILS. LOCATE VERTICAL BARS PER DETAIL. 2 / 3.51
- 8" OR 8" INTERIOR NON-JOIST OR DECK BEARING WALLS: (1)-#5 VERTICAL @ 8'-0" OC
- 8" INTERIOR JOIST OR DECK BEARING WALLS: (1)-#5 VERTICAL @ 4'-0" OC
- 8" EXTERIOR WALLS: (1)-#5 VERTICAL @ 4'-0" OC
- 12" WALLS: (1)-#6 VERTICAL @ 2'-0" OC
- 8" CMU WALL BOND BEAMS SHALL HAVE (2)-#4 CONTINUOUS
- 12" CMU WALL BOND BEAMS SHALL HAVE (2)-#6 CONTINUOUS
- PROVIDE (2)-CORNER BARS TO MATCH BOND BEAM REINFORCING @ ALL CORNERS
- PROVIDE CONTINUOUS BOND BEAMS AT TOP OF WALL, JOIST AND DECK BEARING, AND 3'-0" OC
- PROVIDE BOND BEAMS BELOW WINDOWS. EXTEND 24" EACH SIDE BEYOND OPENINGS
- REFER TO ARCHITECTURAL DRAWINGS FOR MASONRY CONTROL JOINT LOCATIONS. TYPICAL CONTROL JOINT CONSTRUCTION SHALL BE IN ACCORDANCE WITH DETAIL. 1 / 3.51
- CONSTRUCT INTERIOR CMU WALL INTERSECTIONS PER DETAIL. 3 / 3.51
- CONSTRUCT MASONRY FOR STEEL BEAM BEARING PER DETAIL. 5 / 3.51
- PROVIDE TYPICAL STEEL BEAM LINTEL CONSTRUCTION PER DETAIL. 4 / 3.51



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BALTIC HIGH SCHOOL ADDITION
SECOND FLOOR FRAMING- AREA G

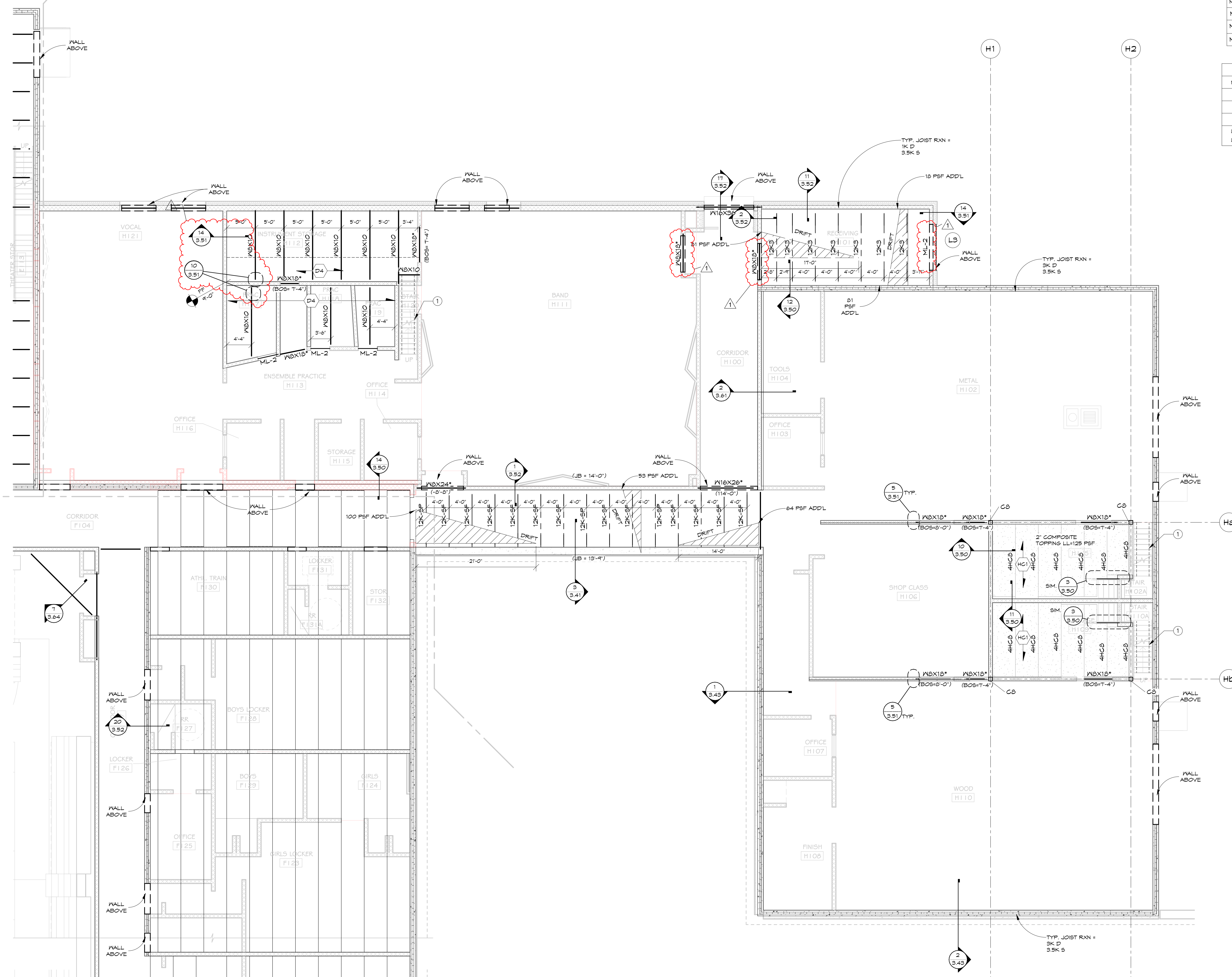
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NO.	DATE	DESCRIPTION
1	1/20/23	ADDENDUM #2

3.20-2G

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ROOF LOW/MEZZANINE FLOOR FRAMING- AREA H
1/8" = 1'-0"



METAL STUD WALL OPENING CONSTRUCTION- REFERENCE DETAILS 14 / 3.56 + 15 / 3.56

MARK	DESCRIPTION	JAMB STUDS	SILL	DETAIL
(H1)	800S950-60 (PEAK AXIS) + 600T125-54 TRACK	(1)-800S950-60 FULL-HGT	600T125-54	11 / 3.56
(H2)	(2) 800S162-54 (BOXED) + 600T125-54 TRACK TOP & BOT.	(1)-800S950-60 FULL-HGT	600T125-54	9 / 3.56
(H3)	(2) 800S162-60 (BOXED) + 600T125-54 TRACK TOP & BOT.	(1)-800S950-60 FULL-HGT	600T125-54	13 / 3.56
(H4)	800S950-60 (PEAK AXIS) + 600T125-60 TRACK	(1)-800S950-60 FULL-HGT	600T125-60	11 / 3.56
(H5)	(2) 800S162-60 (BOXED) + 600T125-54 TRACK TOP & BOT.	(1)-800S950-60 FULL-HGT	600T125-54	13 / 3.56

COLUMN SCHEDULE

MARK	TYPE
C4	H584X14
C4B	H584X14/4
C5	H584X14/4
C5B	H584X14/4
C6	H584X14/4
C6B	H584X14/4
C7	H584X14/4
C7B	H584X14/4
C8	H584X14/4
C8B	H584X14/4
C9	H584X14/4
C9B	H584X14/4
C10	H584X14/4
C10B	H584X14/4

MASONRY CMU LINTEL SCHEDULE-SEE DETAIL 9 / 3.51

MARK	WIDTH	DEPTH	REINFORCING
ML-1	8"	16"	(2) #4 BOTTOM
ML-2	8"	24"	(2) #4 BOTTOM
ML-3	12"	24"	(2) #4 TOP & BOTTOM

EXTERIOR MASONRY VENEER LINTELS

MARK	DESCRIPTION	BRG LENGTH
(L1)	L6X4X3/8 LLH	6" EACH END
(L2)	L6X5X1/8	6" EACH END
(L3)	L6X5X3/8	6" EACH END

LLH = LONG LEGS HORIZONTAL
LLV = LONG LEGS VERTICAL

2ND FLR GENERAL NOTES

- ALL STEEL BEAMS, JOISTS & GIRDERS SHOWN ON THIS PLAN ARE COMPOSITE UNLESS NOTED OTHERWISE. SEE SHEET XXX FOR TYPICAL CONSTRUCTION DETAILS. PROVIDE ONE ROW OF STUDS @ 18" ON C TO STUDS ARE INDICATED ON THE BEAM. PROVIDE ADDITIONAL STUDS @ 18" ON C IF THE NUMBER OF STUDS INDICATED DOES NOT RESULT IN STUDS @ 18" ON C.
- THE GENERAL CONTRACTOR SHALL COORDINATE FLOOR PENETRATIONS AND SIZES NOT SHOWN BY STRUCTURAL ENGINEER OF RECORD. STRUCTURAL ENGINEER OF RECORD SHALL DESIGN MEMBERS AS NEEDED FOR FLOOR PENETRATIONS > 2'-0" WIDE. SEE DETAIL 58007 FOR OPENINGS > 2'-0" WIDE.
- COORDINATE ALL DIMENSIONS SHOWN WITH THE ARCHITECTURAL DRAWINGS. REFER TO ARCHITECTURAL DRAWINGS FOR ALL DIMENSIONS NOT SHOWN. CONSULT THE A.O.R. AND E.O.R. WITH DIMENSION DISCREPANCIES BEFORE FABRICATION OR CONSTRUCTION BEGINS.
- DETAILS LABELED AS "TYP" SHOULD BE APPLIED TYPICAL CONSTRUCTION DETAILS U.N.C.
- TYPICAL NON-LOAD BEARING PARTITION WALLS SHALL BE BRACED ACCORDING TO DETAILS L5040, L5041. SEE ARCHITECTURAL PLANS FOR WALL HEIGHTS AND LOCATIONS.
- PROVIDE 1/4" THICK BENT PLATE AROUND ALL DECK PERIMETERS UNLESS OTHERWISE NOTED OTHERWISE ON DETAIL.

MASONRY WALL GENERAL NOTES

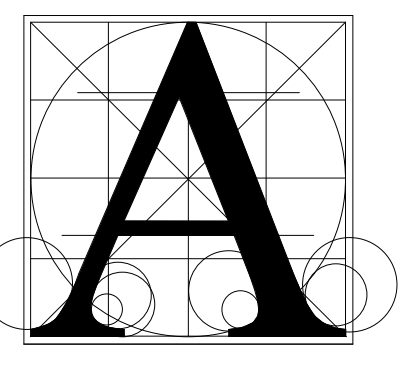
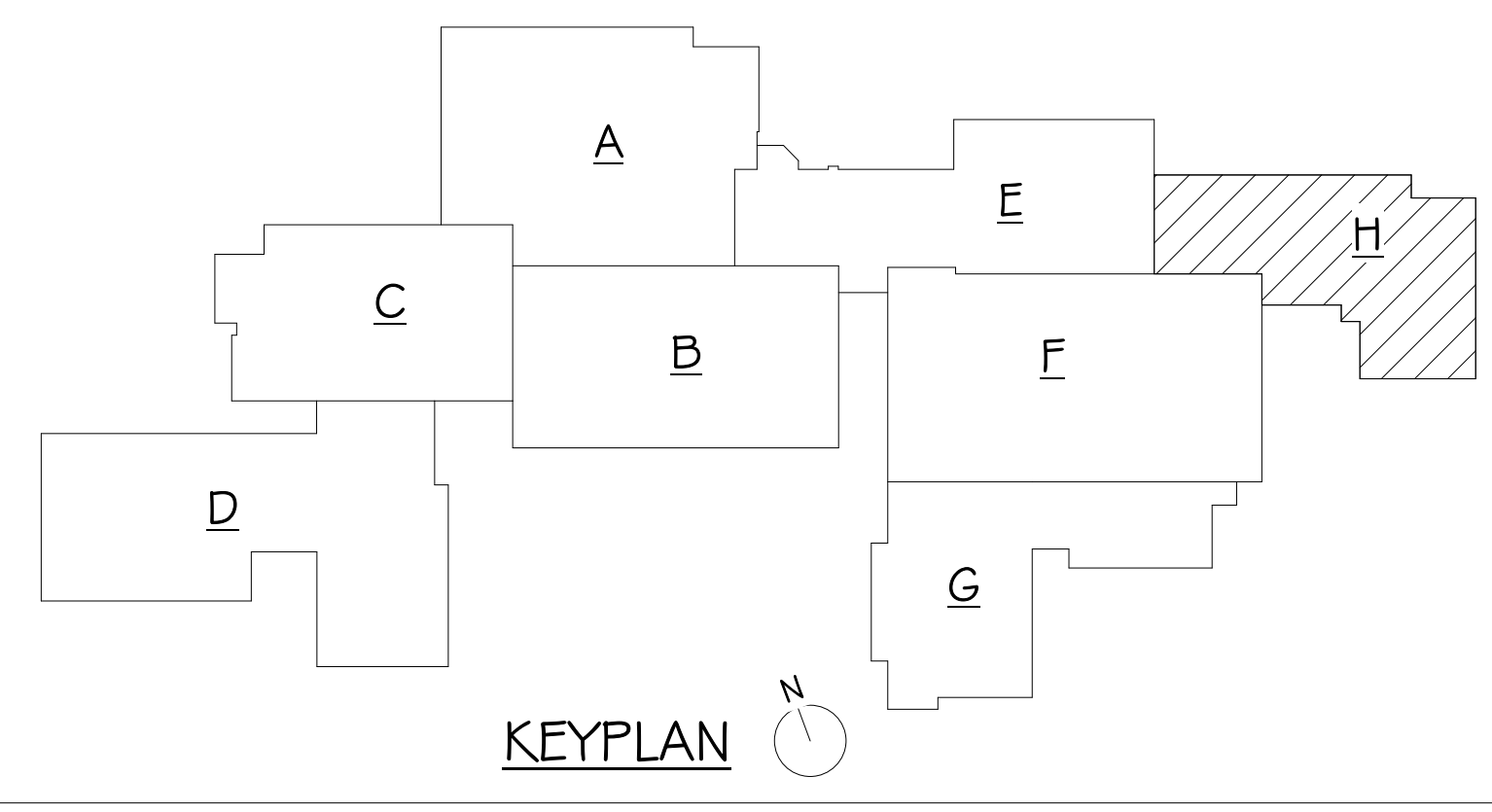
- PROVIDE THE FOLLOWING MINIMUM CMU WALL REINFORCEMENT U.N.C. ON THE PLANS AND THE DETAILS. LOCATE VERTICAL BARS PER DETAIL 2 / 3.51
- 6" OR 8" INTERIOR NON-JOIST OR DECK BEARING WALLS: (1)-#5 VERTICAL @ 6'-0" OC
- 8" INTERIOR JOIST OR DECK BEARING WALLS: (1)-#5 VERTICAL @ 4'-0" OC
- 8" EXTERIOR WALLS: (1)-#5 VERTICAL @ 4'-0" OC
- 12" WALLS: (1)-#5 VERTICAL @ 2'-0" OC
- 6" & 8" CMU WALL BOND BEAMS SHALL HAVE (2)-#4 CONTINUOUS
- 12" CMU WALL BOND BEAMS SHALL HAVE (2)-#6 CONTINUOUS
- PROVIDE (2)-CORNER BARS TO MATCH BOND BEAM REINFORCING @ ALL CORNERS
- PROVIDE CONTINUOUS BOND BEAMS AT TOP OF WALL, JOIST AND DECK BEARING, AND 8'-0" OC
- PROVIDE BOND BEAMS BELOW WINDOWS, EXTEND 24" EACH SIDE BEYOND OPENINGS
- REFER TO ARCHITECTURAL DRAWINGS FOR MASONRY CONTROL JOINT LOCATIONS. TYPICAL CONTROL JOINT CONSTRUCTION SHALL BE IN ACCORDANCE WITH DETAIL 1 / 3.51
- CONSTRUCT INTERIOR CMU WALL INTERSECTIONS PER DETAIL 3 / 3.51
- CONSTRUCT MASONRY FOR STEEL BEAM BEARING PER DETAIL 5 / 3.51
- PROVIDE TYPICAL STEEL BEAM LINTEL CONSTRUCTION PER DETAIL 4 / 3.51

FRAMING PLAN NOTES

- STAIR SYSTEM COMPONENTS NOT SPECIFICALLY NOTED (STRINGER, PAN/TREADS, RAILINGS) SHALL BE ENGINEERED BY THE SUPPLIER. SEE ARCH DWG FOR MORE INFO.
- CONCRETE HEADER INTEGRATED INTO PRECAST WALL DESIGNED AND PROVIDED BY PRECAST SUPPLIER.
- PROVIDE (1) #5 VERTICAL BARS IN TWO CELLS CONTINUOUS FULL HEIGHT AND END OF WALL. PROVIDE MATCHING STANDARD HOODED DOVELS INTO FOUNDATIONS. LOCATE BARS IN CELL PER 2 / 3.51

DECK/SLAB SCHEDULE

- (D1) METAL ROOF DECK: 1 1/2" x 20ga WIDE RIBBED (TYPE B). FASTEN TO SUPPORTS WITH 5/8" PUDDLE WELDS AT 36/4 FASTENER LAYOUT AND FASTEN SIDE LAPS WITH (3) - #10 TEK SCREWS PER SPAN.
- (D2) METAL ROOF DECK: 1 1/2" x 20ga WIDE RIBBED (TYPE B). FASTEN TO SUPPORTS WITH 5/8" PUDDLE WELDS AT 36/4 FASTENER LAYOUT AND FASTEN SIDE LAPS WITH (7) - #10 TEK SCREWS PER SPAN.
- (D3) METAL ROOF DECK: 1 1/2" x 20ga WIDE RIBBED (TYPE B). FASTEN TO SUPPORTS WITH 5/8" PUDDLE WELDS AT 36/4 FASTENER LAYOUT AND FASTEN SIDE LAPS WITH (6) - #10 TEK SCREWS PER SPAN.
- (D4) METAL FLOOR DECK: 180-38x200GA (1 1/2") NON-COMPOSITE METAL FORM DECK W/ 1/2" PLYWOOD DECKING. FASTEN TO SUPPORTS W/ #10 (MIN) SCREWS @ 36/4 FASTENER LAYOUT. PROVIDE FAFB @ STEEL BEAMS W/ 36/4 FASTENER LAYOUT WHERE OCCURS.
- (CD1) METAL FLOOR DECK: 4 1/2" NORMAL HEIGHT CONCRETE OVER 2X18 GAUGE GALVANIZED (60) COMPOSITE FLOOR DECK (6 1/2" TOTAL THICKNESS). METAL DECK = VULCRAFT 2.0VLI OR EQUAL. PROVIDE STRUX 80/40 (OR APPROVED EQUAL) MACRO FIBER MESH AT A DOSAGE RATE OF 4#/CU YD. PROVIDE 3/4" DIAMETER x 5' (F#65 KSI) HEADED STUD ANCHORS AS INDICATED ON THE PLANS AND DETAILS.
- (CD2) METAL FLOOR DECK: 4 1/2" NORMAL HEIGHT CONCRETE OVER 2X18 GAUGE GALVANIZED (60) COMPOSITE FLOOR DECK (6 1/2" TOTAL THICKNESS). METAL DECK = VULCRAFT 3.0VLI OR EQUAL. PROVIDE STRUX 90/40 (OR APPROVED EQUAL) MACRO FIBER MESH AT A DOSAGE RATE OF 4#/CU YD. PROVIDE 3/4" DIAMETER x 5' (F#65 KSI) HEADED STUD ANCHORS AS INDICATED ON THE PLANS AND DETAILS.
- (CD3) METAL FLOOR DECK: 4 1/2" NORMAL HEIGHT CONCRETE OVER 3X18 GAUGE GALVANIZED COMPOSITE FLOOR DECK (7 1/2" TOTAL THICKNESS). METAL DECK = VULCRAFT 3.0VLI OR EQUAL. PROVIDE STRUX 90/40 (OR APPROVED EQUAL) MACRO FIBER MESH AT A DOSAGE RATE OF 4#/CU YD. PROVIDE 3/4" DIAMETER x 5' (F#65 KSI) HEADED STUD ANCHORS AS INDICATED ON THE PLANS AND DETAILS.
- (HC1) 8" THICK x 4'-0" WIDE PRECAST CONCRETE HOLLOW-CORE PLANKS WITH COMPOSITE CONCRETE TOPPING THICKNESS PER PLAN. PROVIDE POLY FIBER MESH IN TOPPING. DESIGN LOADS: LIVE LOAD = 120PSF. DEAD LOAD = SELF HEIGHT + TOPPING + 20PSF.
- (HC2) 12" THICK x 4'-0" WIDE PRECAST CONCRETE HOLLOW-CORE PLANKS WITH COMPOSITE CONCRETE TOPPING PER PLAN. PROVIDE POLY FIBER MESH IN TOPPING. DESIGN LOADS: LIVE LOAD = 120PSF. DEAD LOAD = SELF HEIGHT + TOPPING + 20PSF.



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BALTIC HIGH SCHOOL ADDITION
ROOF FRAMING LOW/MEZZANINE FLOOR FRAMING- AREA H

Project: _____

number: _____

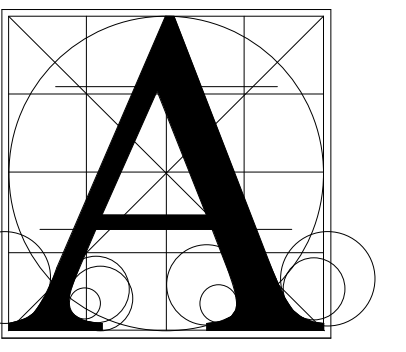
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revision: _____

drawn: MW checked: JP

NO.	DATE	DESCRIPTION
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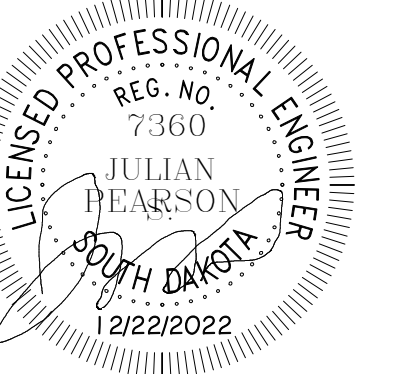
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BALTIC HIGH SCHOOL ADDITION
ROOF FRAMING HIGH-AREA F

Project		
number		
date	12/22/22	
revision		
drawn	MW	
checked	JP	
NO.	DATE	DESCRIPTION
1	1/20/23	ADDENDUM #2

3.20-3F

MARK	TYPE
C4	H554X4X1/4
C4B	H554X4X3/8
C5	H554X4X1/4
C5B	H554X4X3/8
C6	H554X4X1/4
C6B	H554X4X3/8
C7	H554X4X1/4
C7B	H554X4X3/8
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C8B	H554X4X3/8
C9	H554X4X1/4
C9B	H554X4X3/8

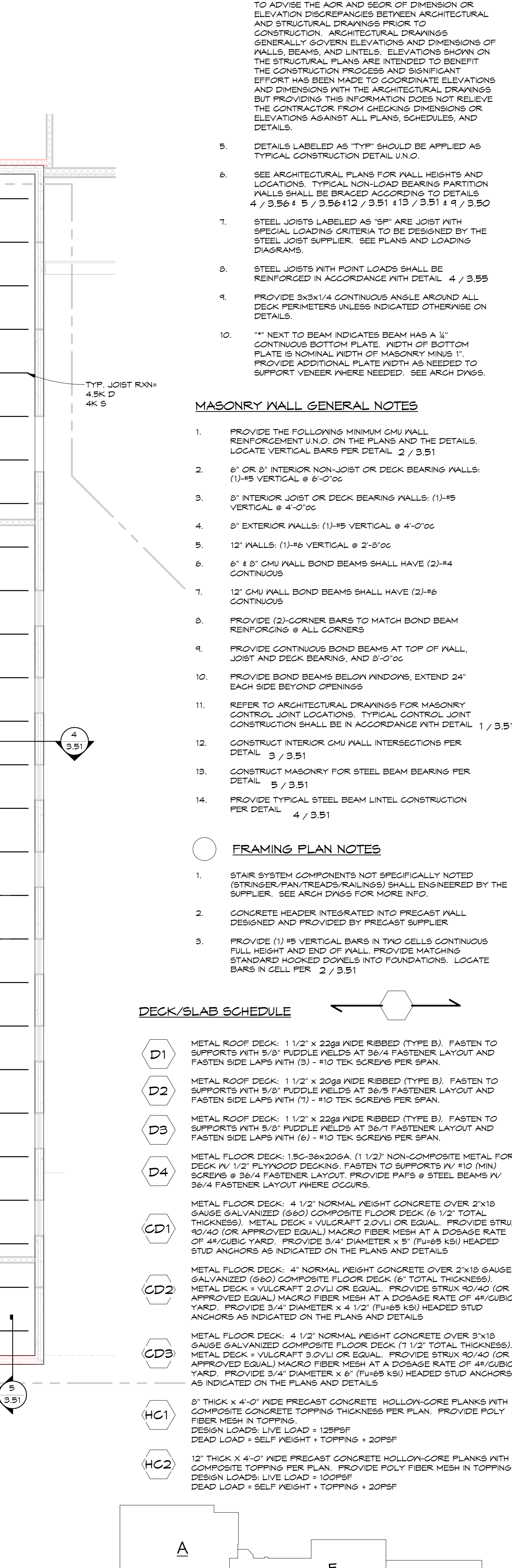
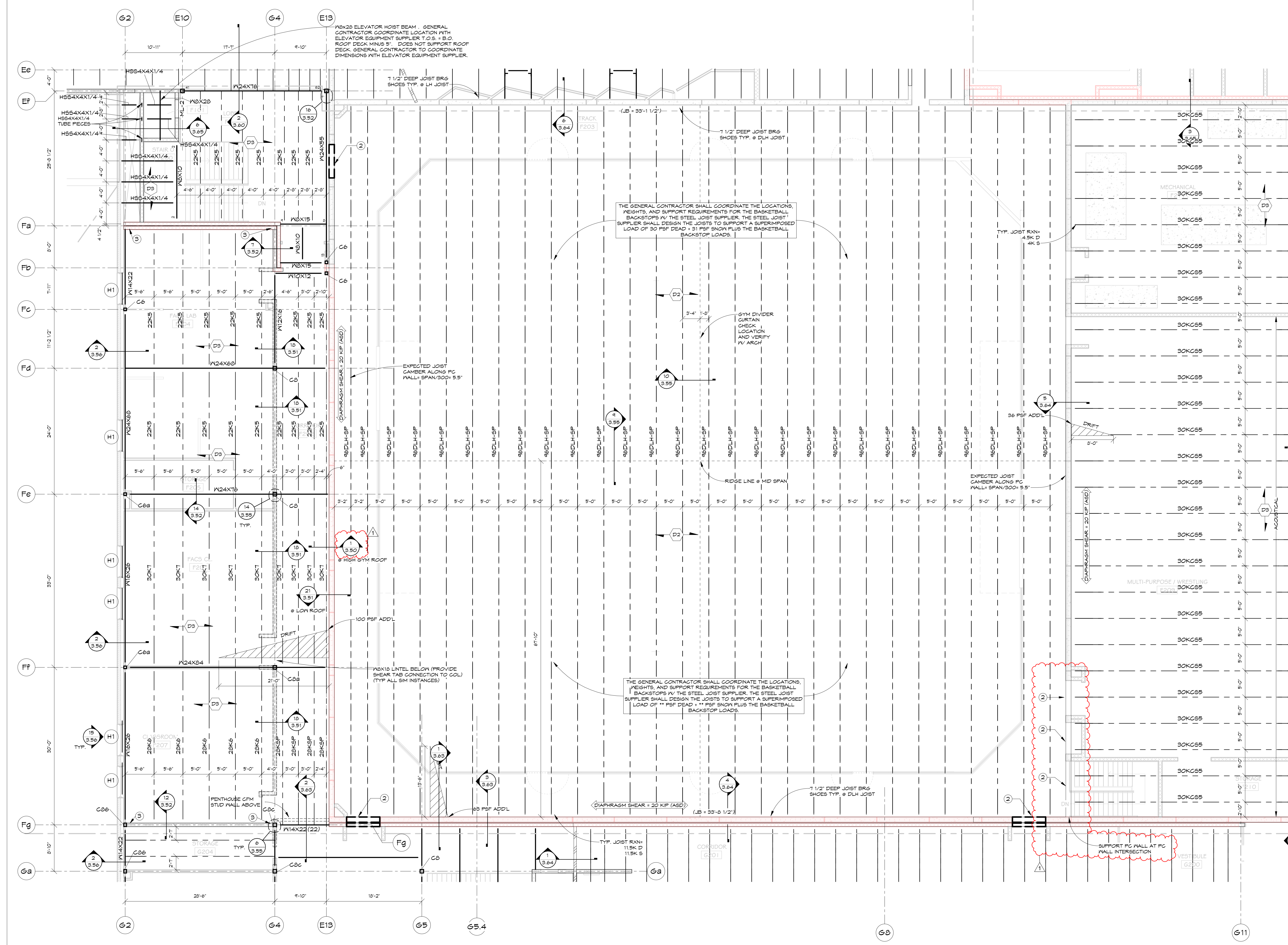
- FRAMING GENERAL NOTES**
- METAL ROOF DECK IS NOTED ON THE PLANS AND SHOULD BE IN ACCORDANCE WITH 1 / 3.55
 - PROVIDE 4x4x1/4 ANGLE FRAMING AT ALL OPENINGS 12" OR LARGER IN METAL ROOF. THE GENERAL CONTRACTOR SHALL COORDINATE ROOF PENETRATIONS AND SIZES. FRAME OPENINGS IN ACCORDANCE WITH 2 / 3.55
 - JOIST BRIDGING AND CONNECTIONS SHALL BE DESIGNED BY THE JOIST MANUFACTURER. ALL JOISTS BRIDGING SHALL BE DESIGNED FOR 20 PSF NET WIND UPLIFT UNLESS NOTED OTHERWISE ON THE PLANS. WHERE DUCTWORK MUST INTERRUPT BRIDGING REFER TO DETAIL 3 / 3.55
 - ELEVATIONS AND DIMENSIONS SHOWN ON THE PLANS MUST BE COORDINATED WITH THE ARCHITECTURAL DRAWINGS. IT IS THE RESPONSIBILITY OF THE CONTRACTOR PERFORMING THE APPLICABLE WORK TO ADVISE THE A/E AND S/E OF ANY DIMENSION OR ELEVATION DISCREPANCIES BETWEEN ARCHITECTURAL AND STRUCTURAL DRAWINGS PRIOR TO CONSTRUCTION. ARCHITECTURAL DRAWINGS GENERALLY GOVERN ELEVATIONS AND DIMENSIONS OF WALLS, BEAMS, AND LINTELS. ELEVATIONS SHOWN ON THE STRUCTURAL PLANS ARE INTENDED TO BENEFIT THE CONSTRUCTION PROCESS AND SIGNIFICANT EFFORT HAS BEEN MADE TO COORDINATE ELEVATIONS AND DIMENSIONS WITH THE ARCHITECTURAL DRAWINGS BUT PROVIDING THIS INFORMATION DOES NOT RELIEVE THE CONTRACTOR FROM CHECKING DIMENSIONS OR ELEVATIONS AGAINST ALL PLANS, SCHEDULES, AND DETAILS
 - DETAILS LABELED AS "TYP" SHOULD BE APPLIED AS TYPICAL CONSTRUCTION DETAIL UNLESS NOTED OTHERWISE
 - SEE ARCHITECTURAL PLANS FOR WALL HEIGHTS AND LOCATIONS. TYPICAL NON-LOAD BEARING PARTITION WALLS SHALL BE BRACED ACCORDING TO DETAILS 4 / 3.56 & 5 / 3.56 & 12 / 3.51 & 13 / 3.51 & 14 / 3.50
 - STEEL JOISTS LABELED AS "SP" ARE JOIST WITH SPECIAL LOADING CRITERIA TO BE DESIGNED BY THE STEEL JOIST SUPPLIER. SEE PLANS AND LOADING DIAGRAMS
 - STEEL JOISTS WITH POINT LOADS SHALL BE REINFORCED IN ACCORDANCE WITH DETAIL 4 / 3.55
 - PROVIDE 3x3x1/4 CONTINUOUS ANGLE AROUND ALL DECK PERIMETERS UNLESS INDICATED OTHERWISE ON DETAILS
 - "N" NEXT TO BEAM INDICATES BEAM HAS A 1" CONTINUOUS BOTTOM PLATE. WIDTH OF BOTTOM PLATE IS NOMINAL WIDTH. ELEVATION MINUS 1". PROVIDE ADDITIONAL PLATE WIDTH AS NEEDED TO SUPPORT VENEER WHERE NEEDED. SEE ARCH DNGS.

MARK	WIDTH	DEPTH	REINFORCING
ML-1	8"	16"	(2) #4 BOTTOM
ML-2	8"	24"	(2) #4 BOTTOM
ML-3	12"	24"	(2) #4 TOP & BOTTOM

MARK	DESCRIPTION	BRG LENGTH
L1	L6x4x3/8 LH	6" EACH END
L2	L5x5x3/8	6" EACH END
L3	L5x5x3/8	6" EACH END

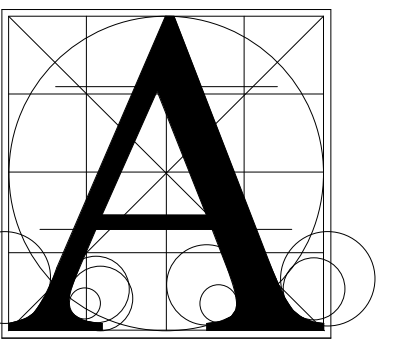
LH = LONG LEG HORIZONTAL
LLV = LONG LEG VERTICAL

MARK	DESCRIPTION	JAMB STUDS	SILL	DETAIL
H1	6005950-60 (WEAK AXIS) + 600125-54 TRACK	(1)-6005950-60 FULL-HGT	600125-54	11 / 3.56
H2	(2) 6005162-54 (BOXED) + 600125-54 TRACK TOP & BOT.	(1)-6005950-60 FULL-HGT	600125-54	9 / 3.56
H3	(2) 6005162-60 (BOXED) + 600125-54 TRACK TOP & BOT.	(1)-6005950-60 FULL-HGT	600125-54	13 / 3.56
H4	6005950-60 (WEAK AXIS)	(1)-6005950-60 FULL-HGT	600125-60	11 / 3.56
H5	(2) 6005162-60 (BOXED) + 600125-54 TRACK TOP & BOT.	(1)-6005950-60 FULL-HGT	600125-54	13 / 3.56



ROOF FRAMING HIGH- AREA F
1/8" = 1'-0"

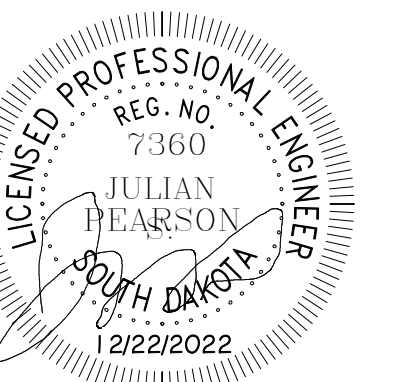
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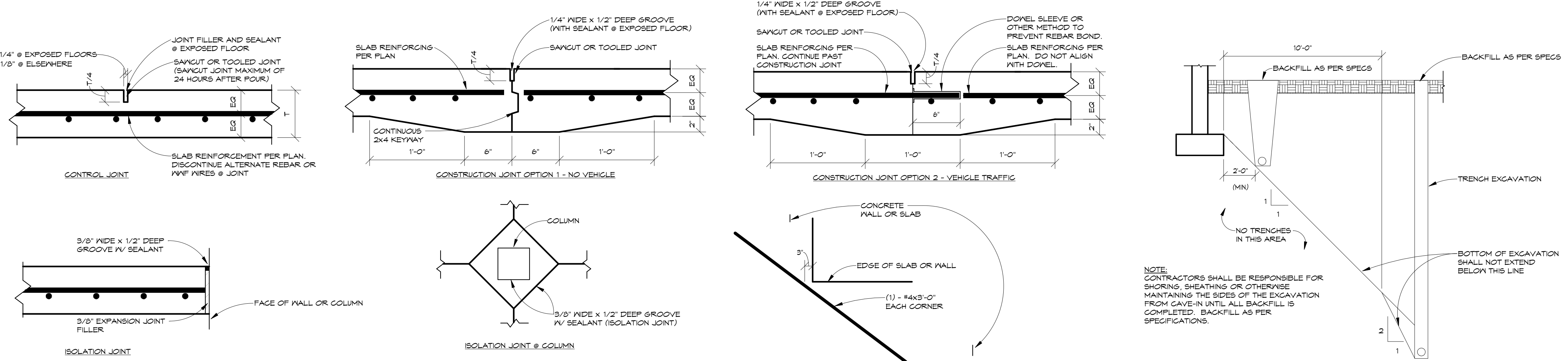
415 South Main Avenue
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815 S. Joseph Street, Suite 203
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Rapid City, South Dakota 57701
Phone: (605) 721-1158

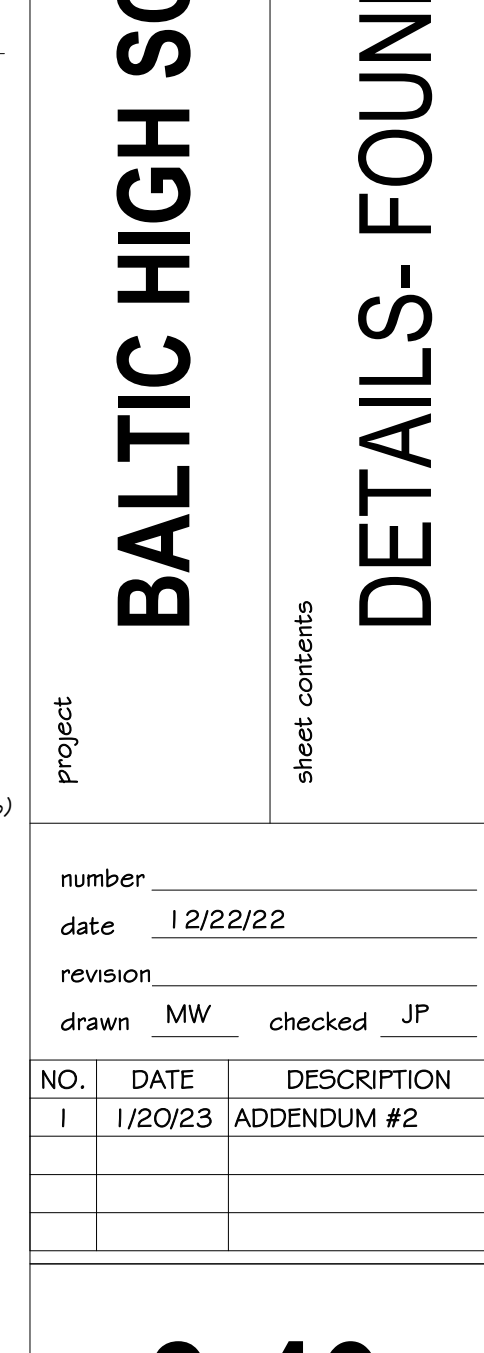
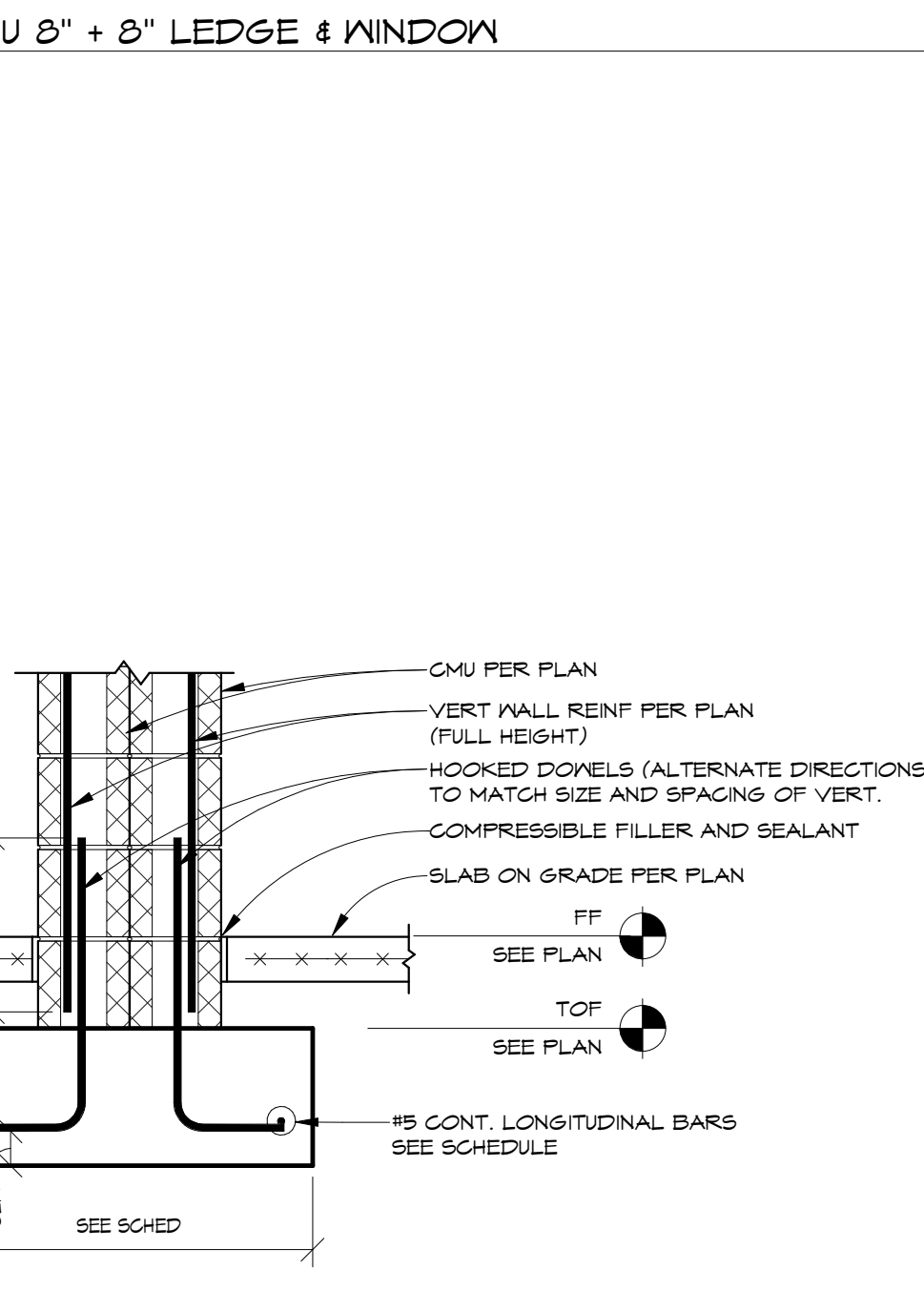
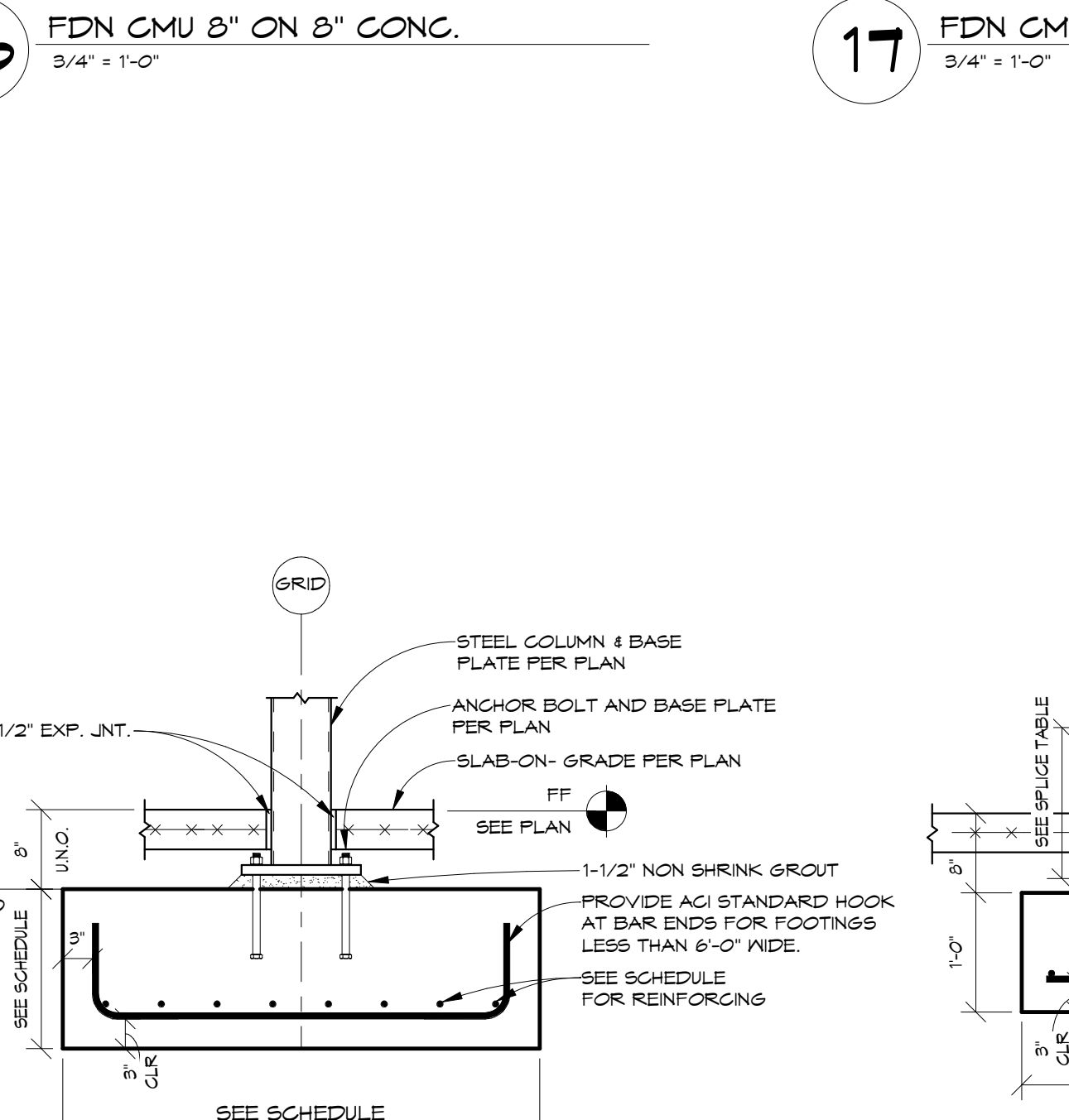
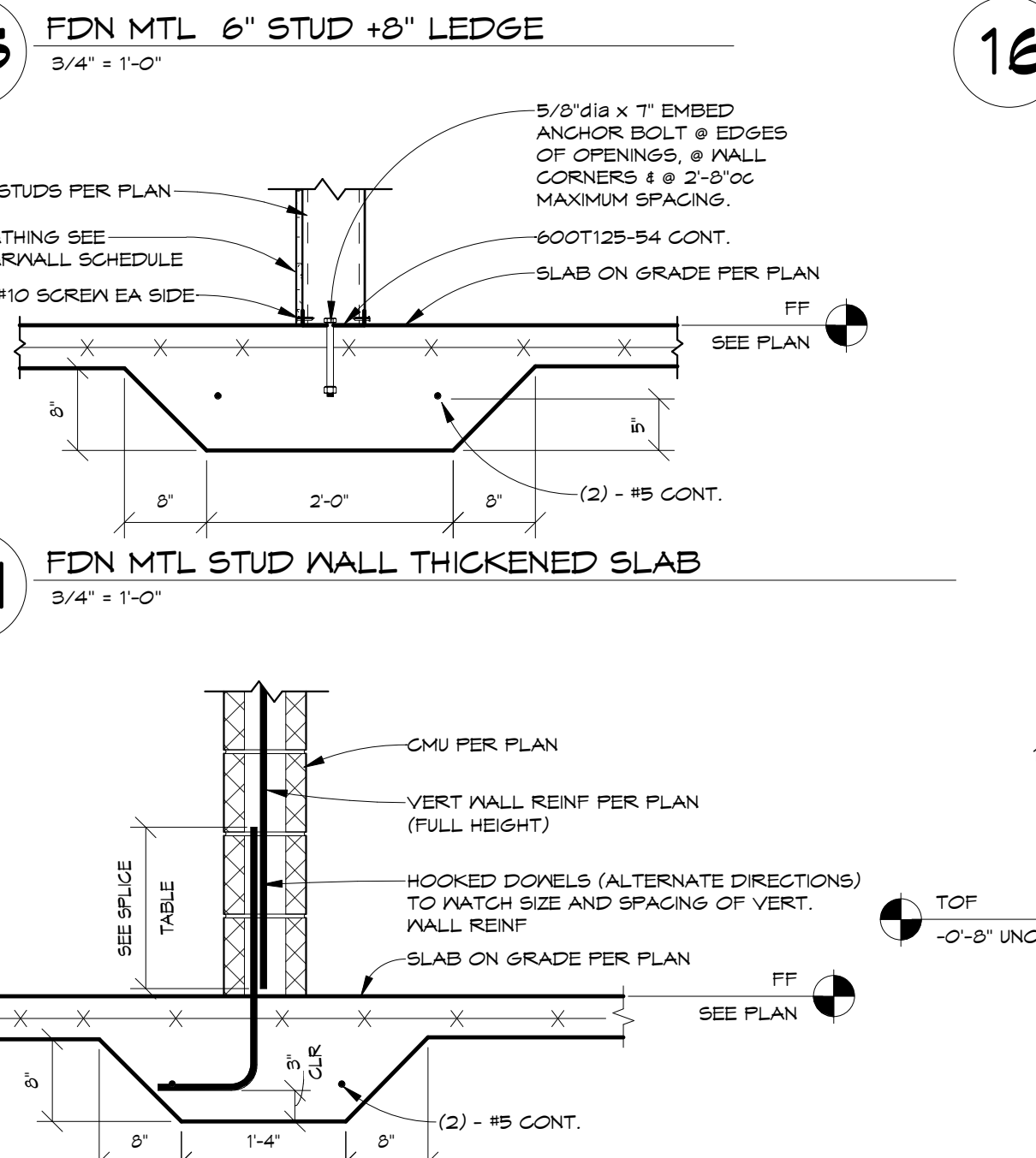
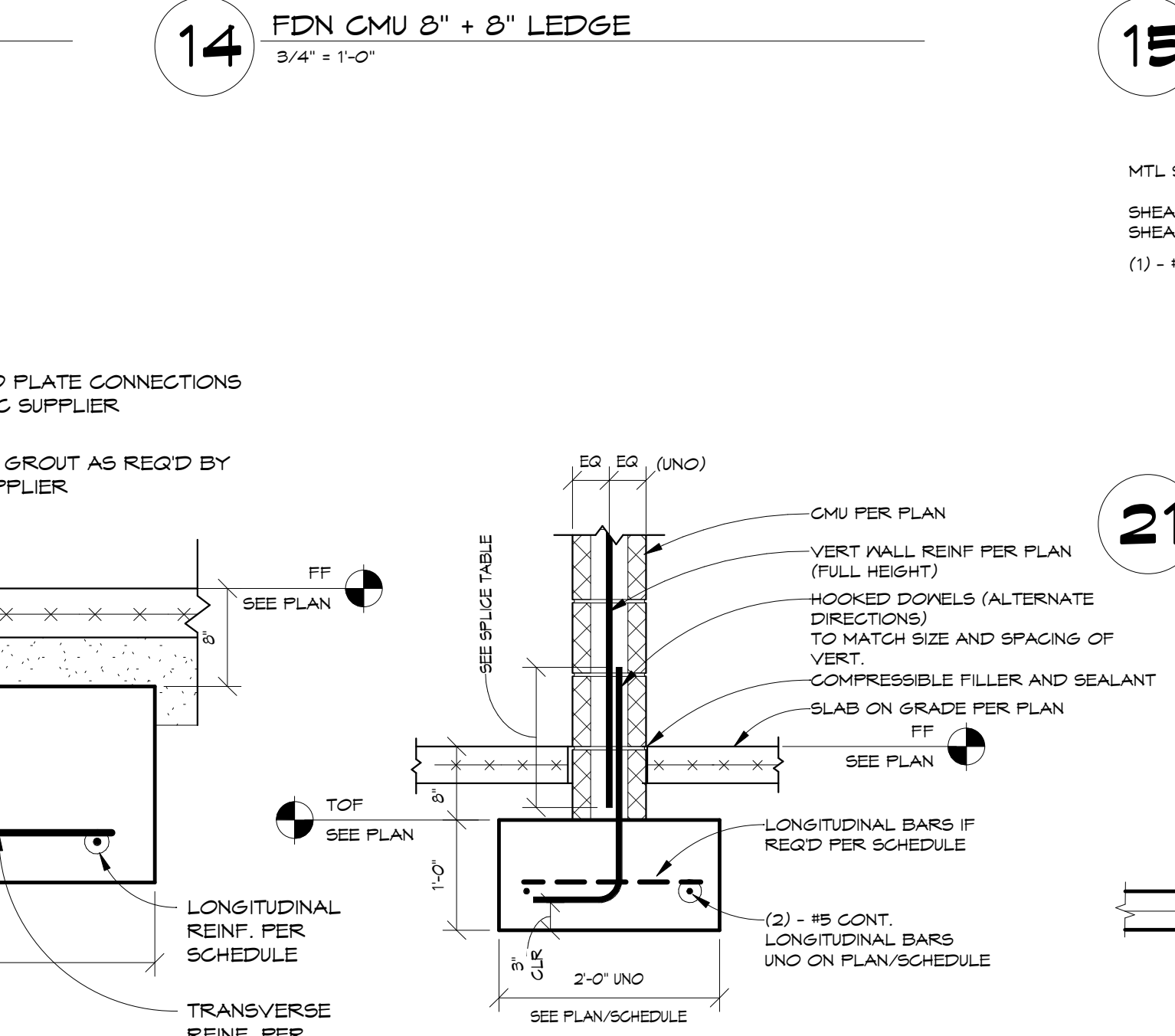
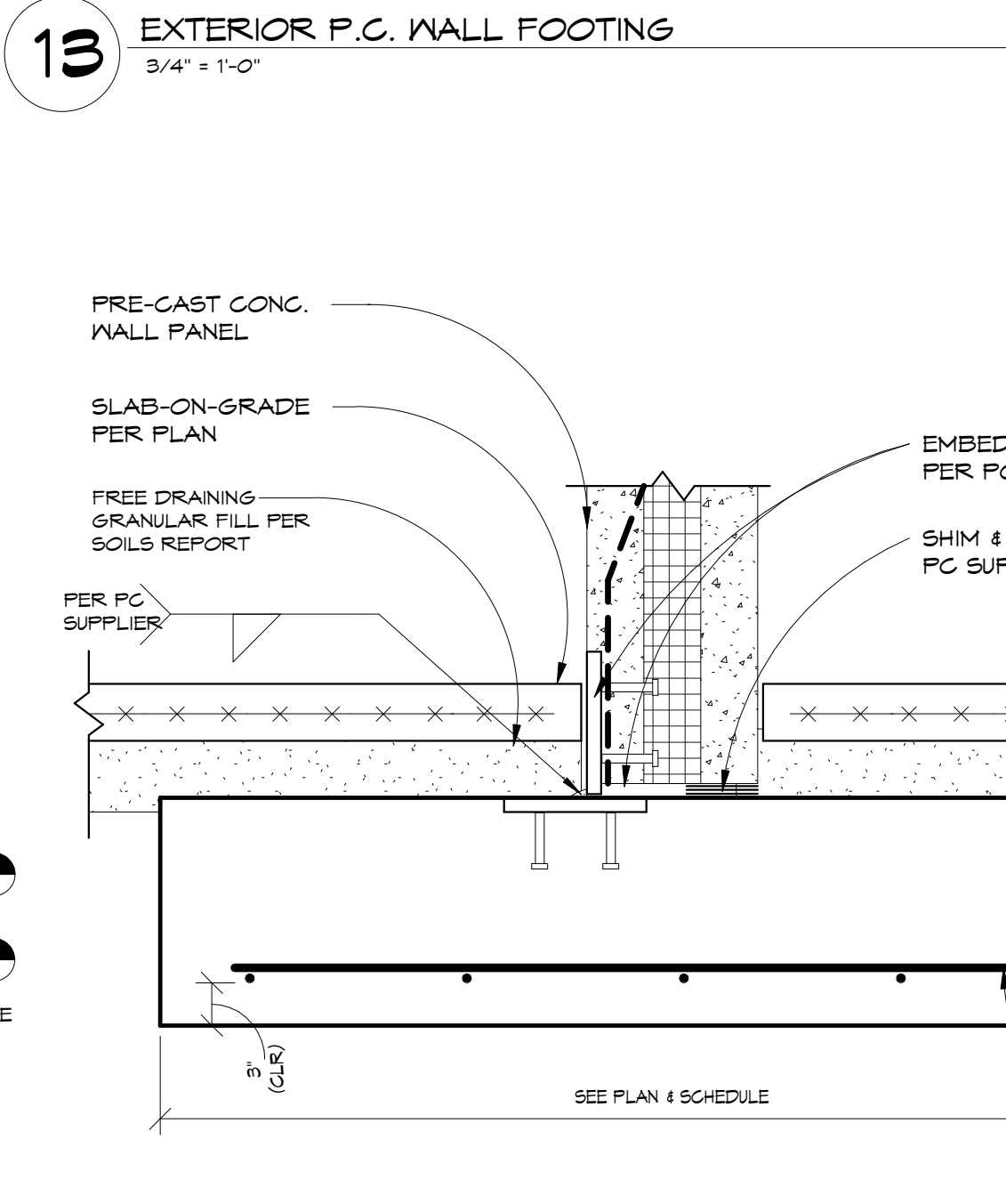
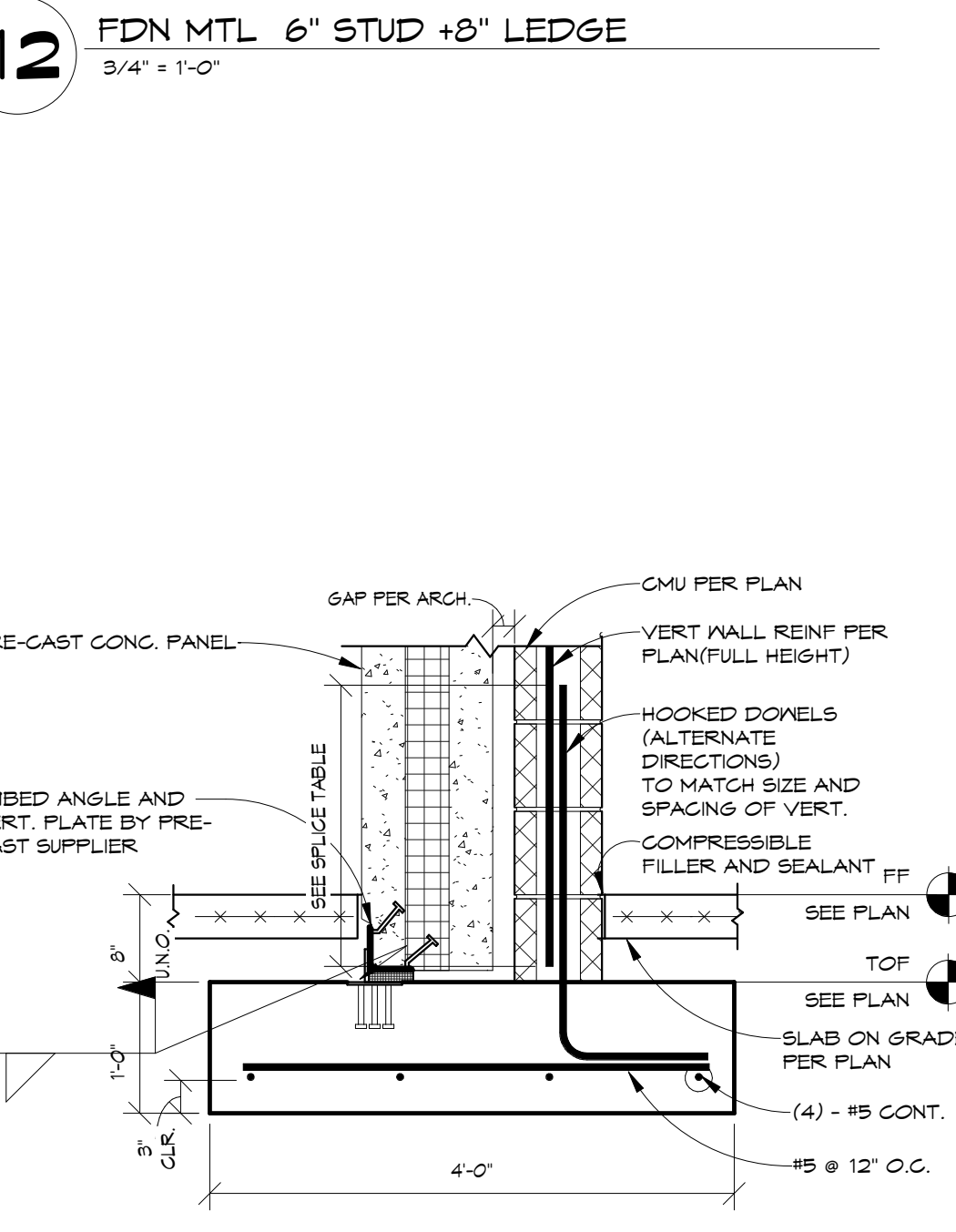
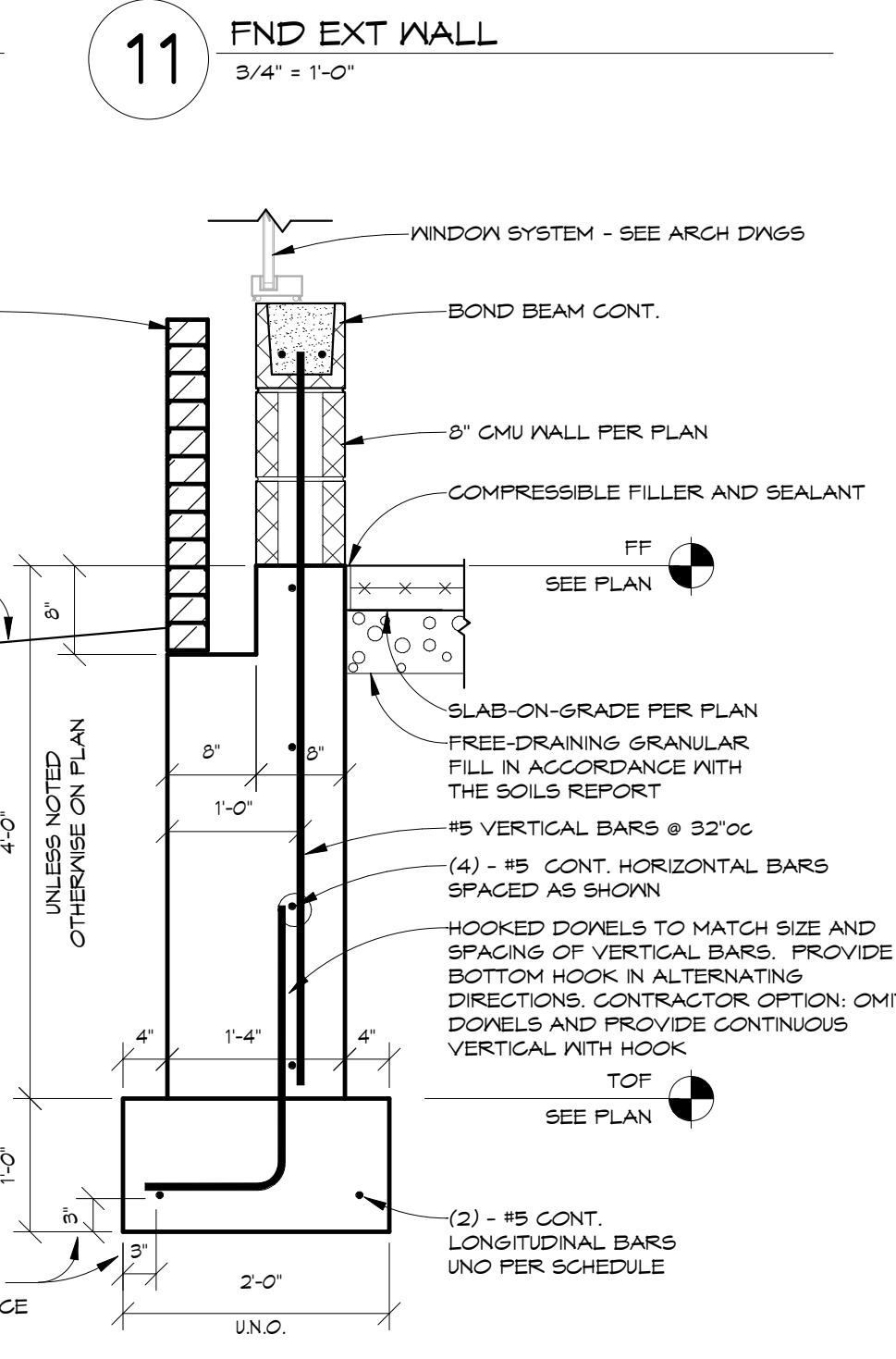
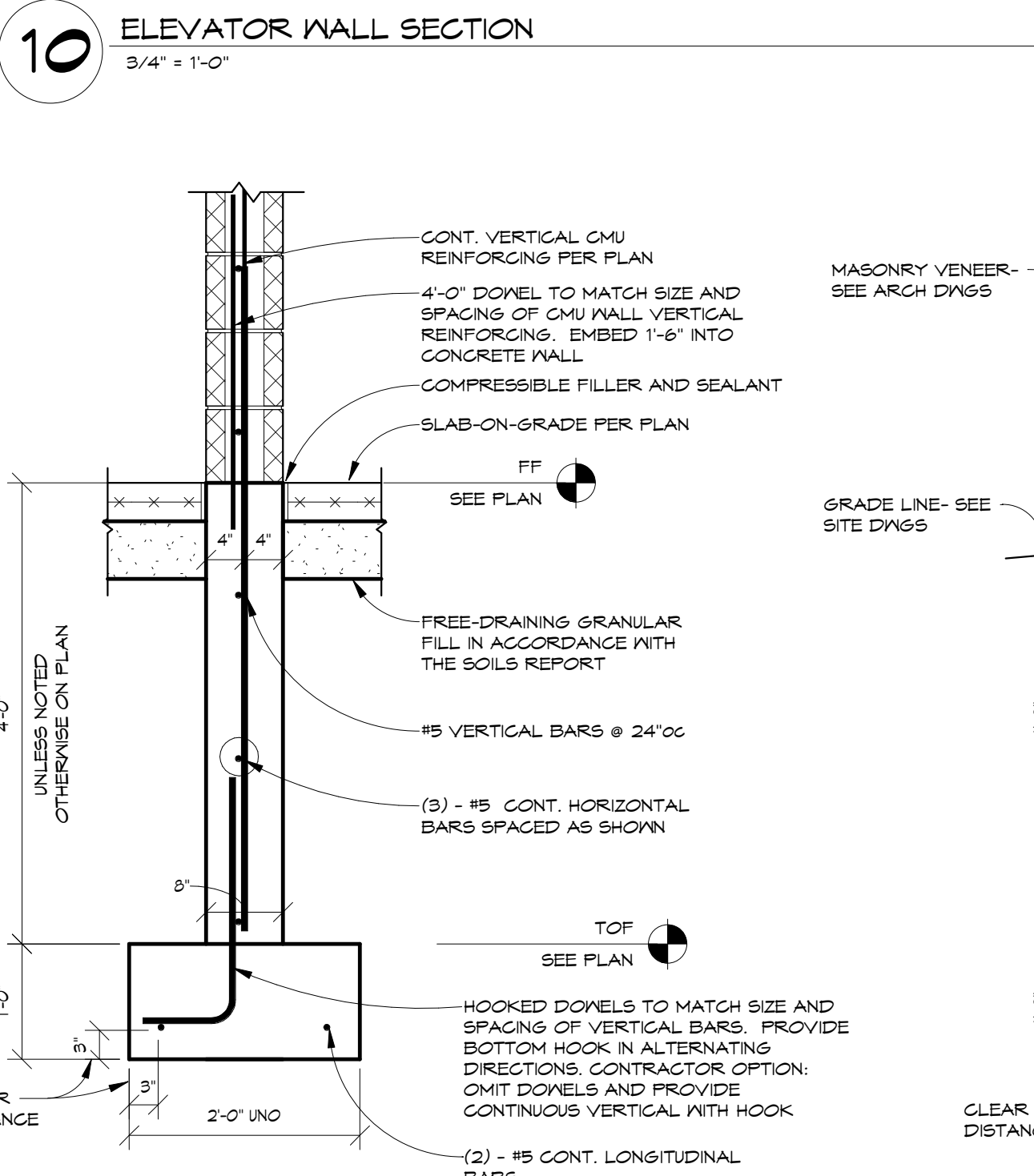
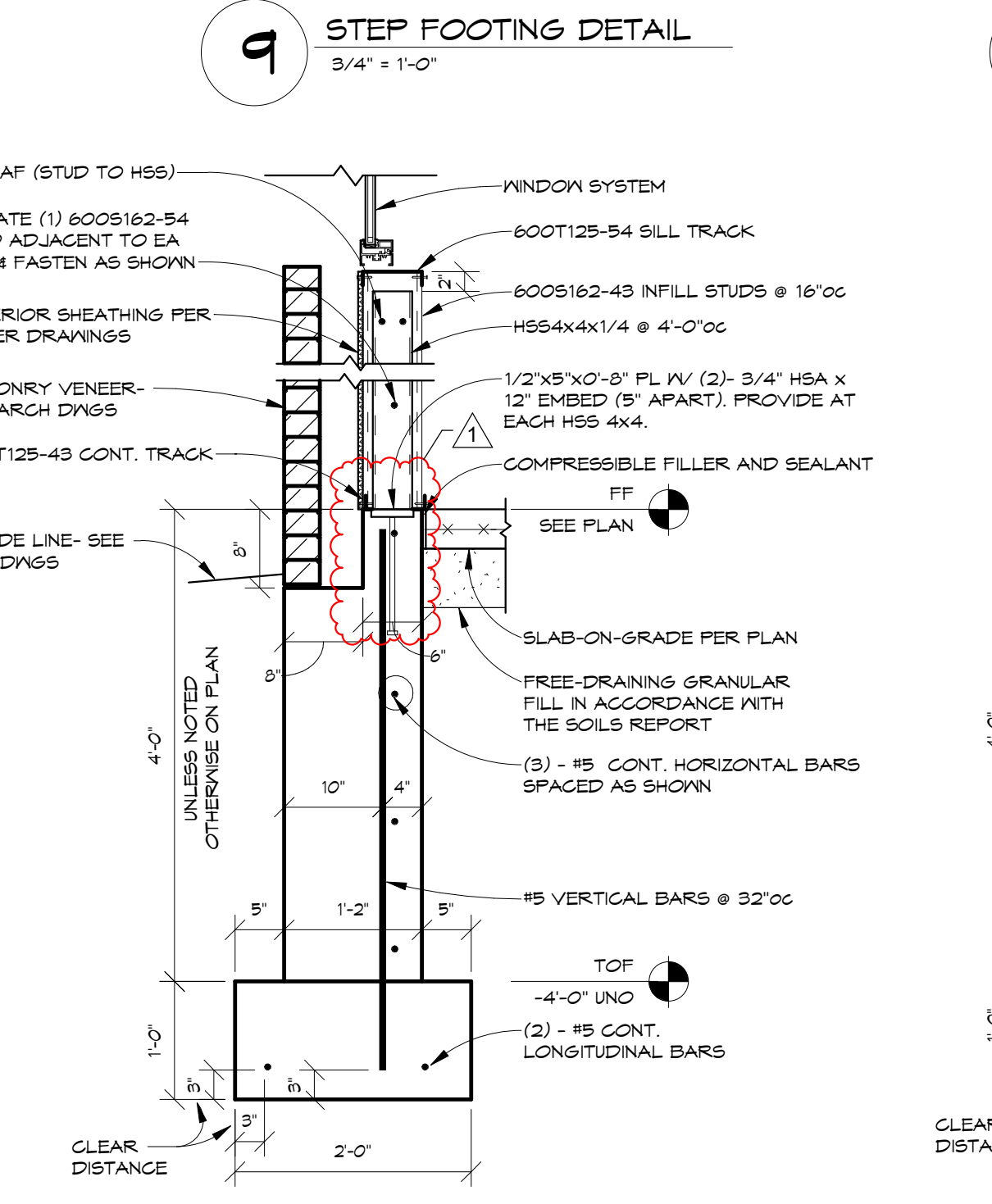
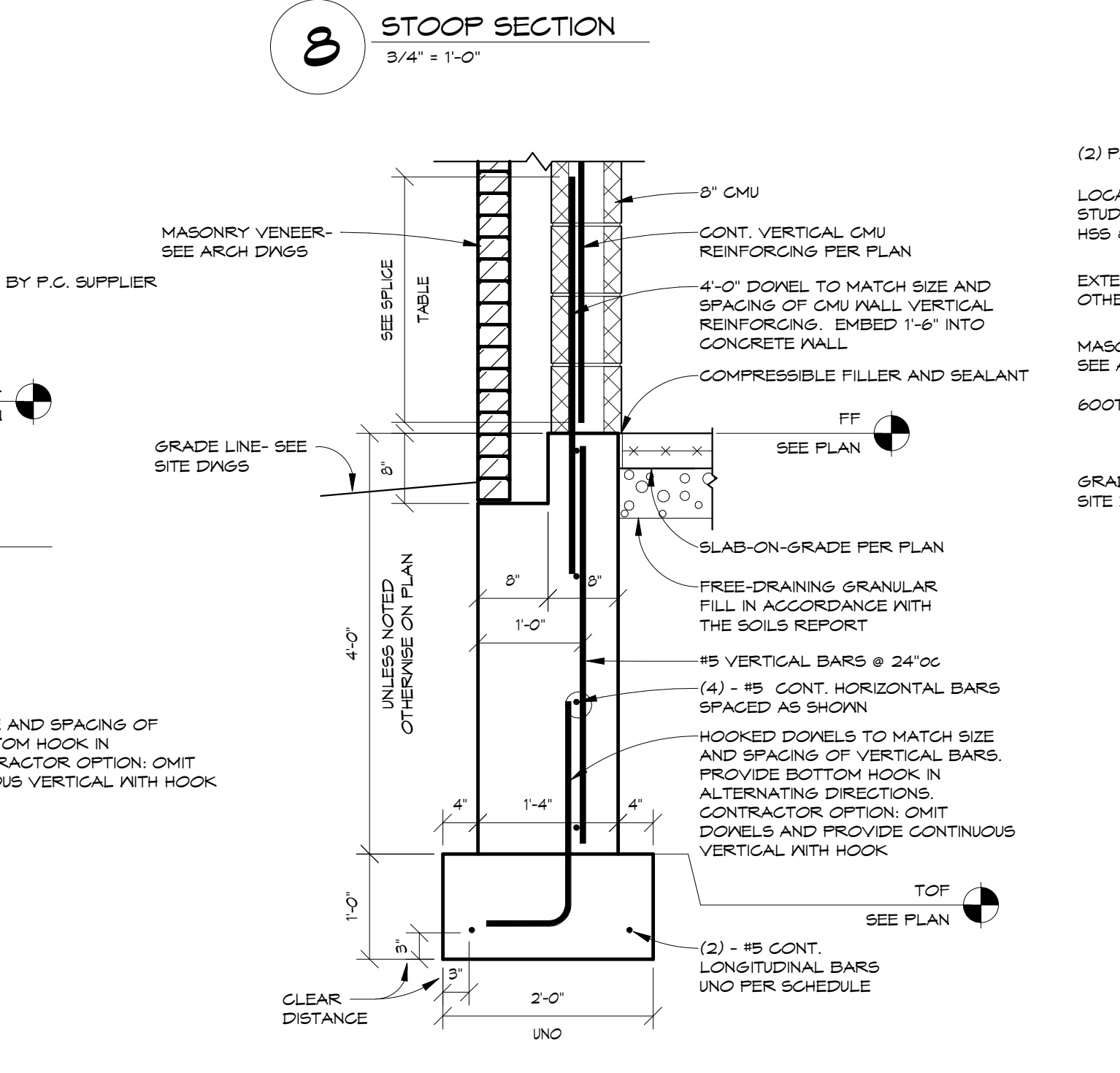
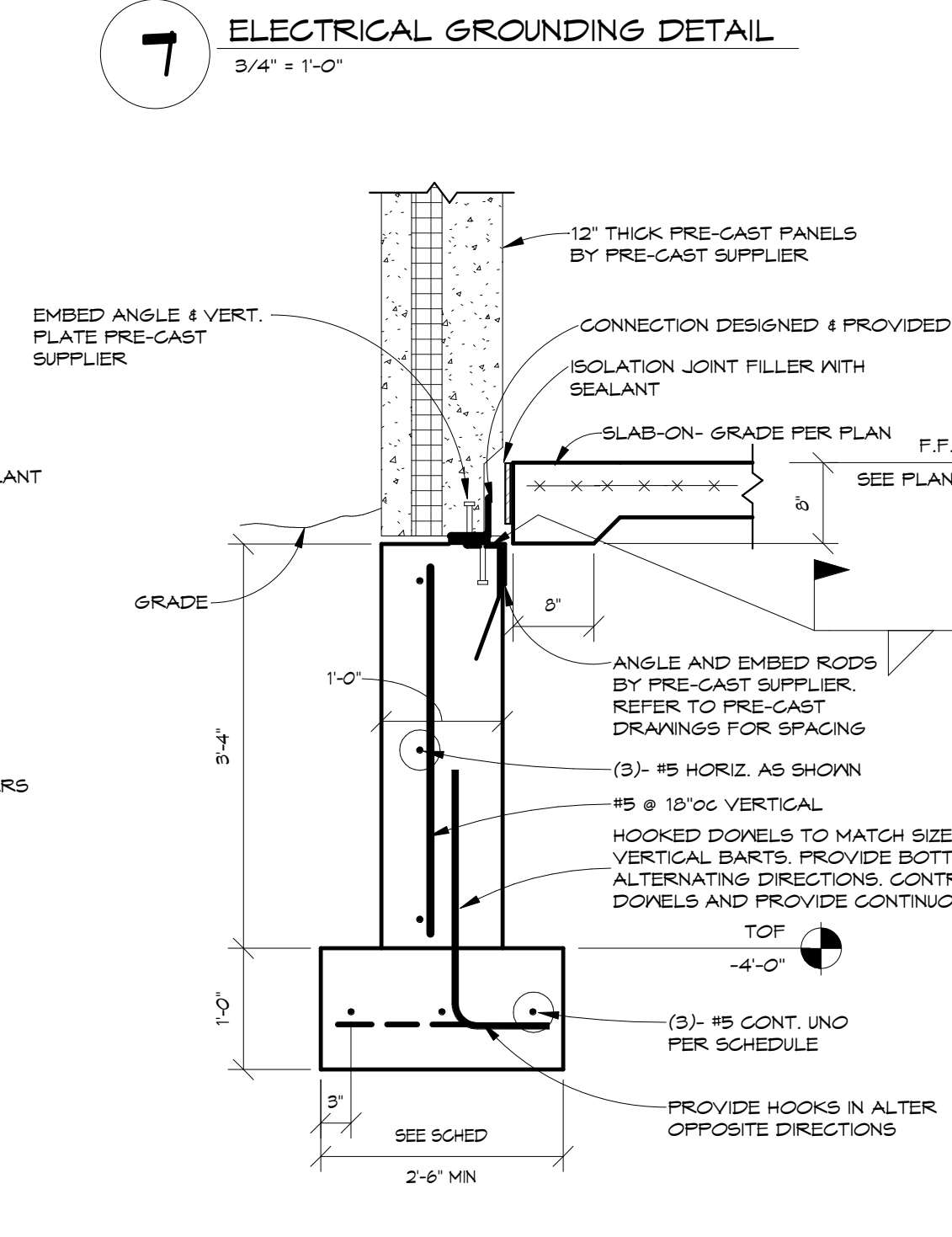
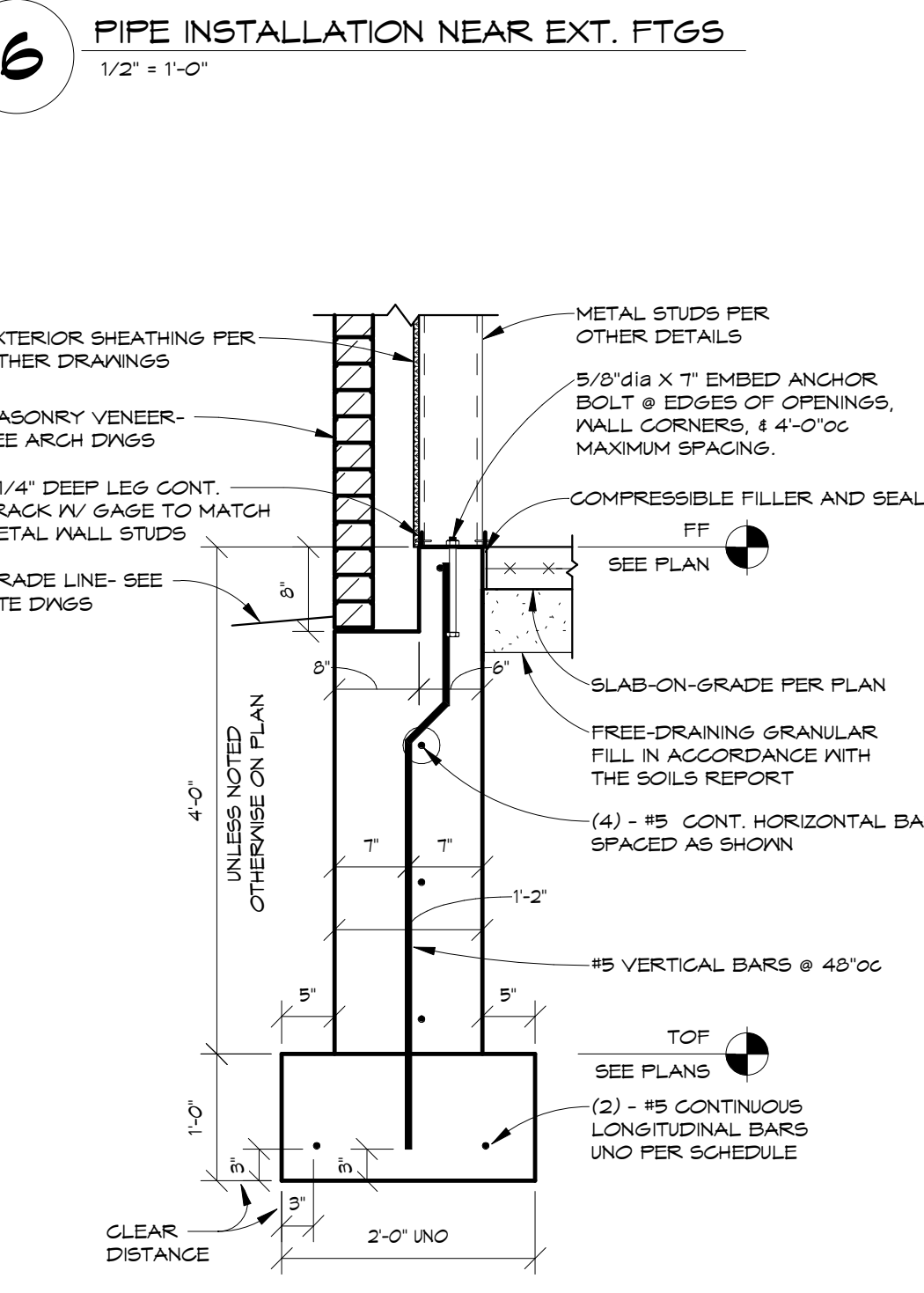
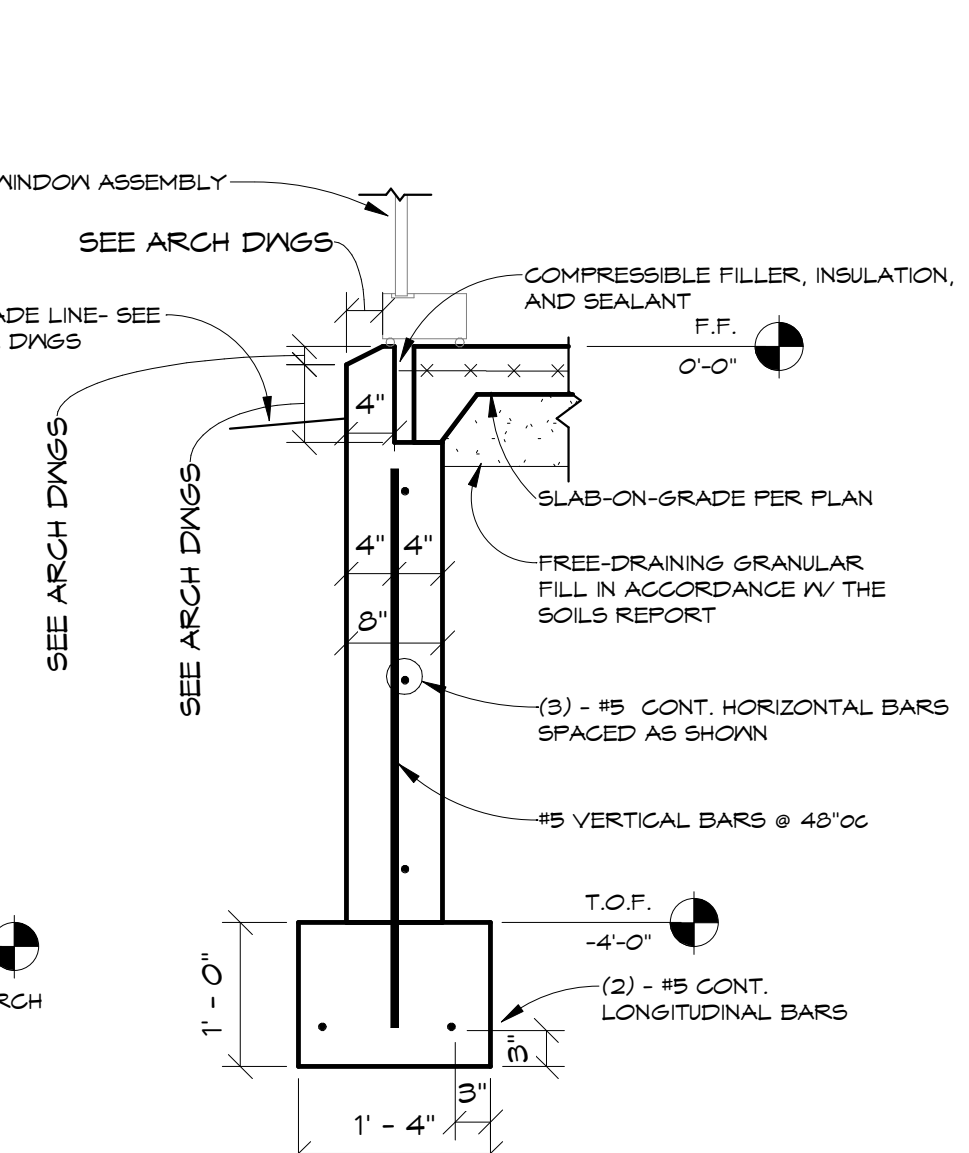
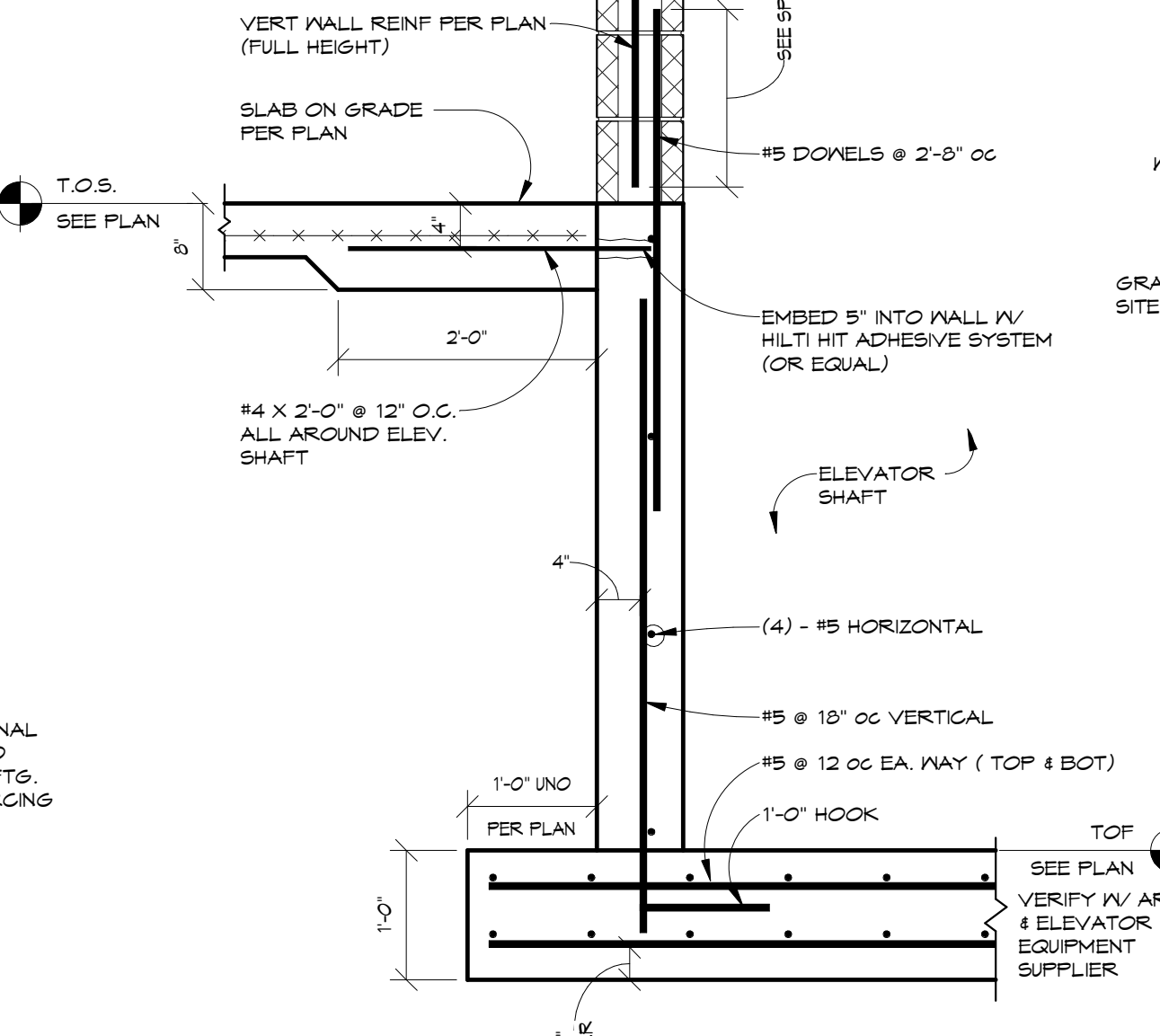
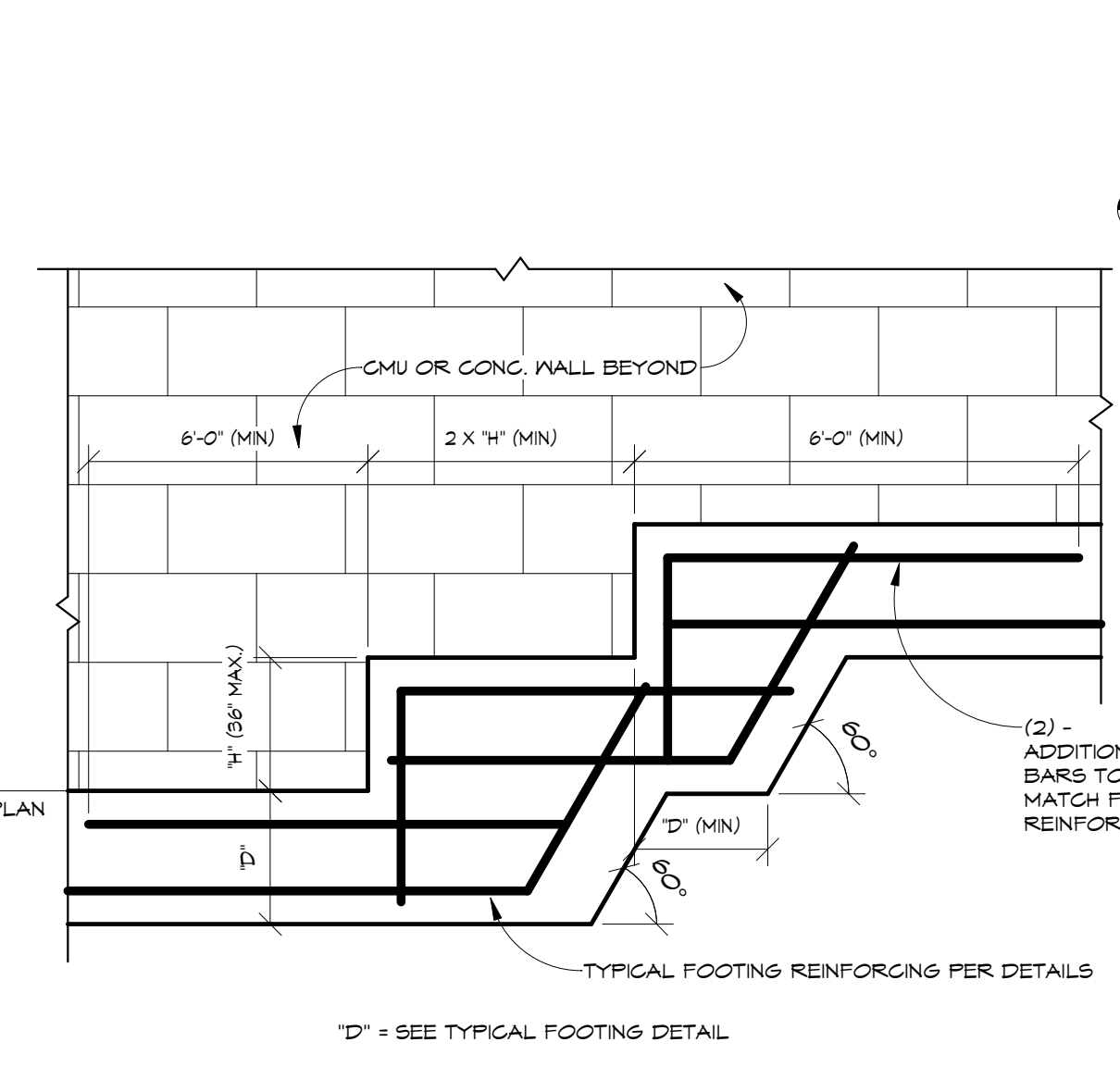
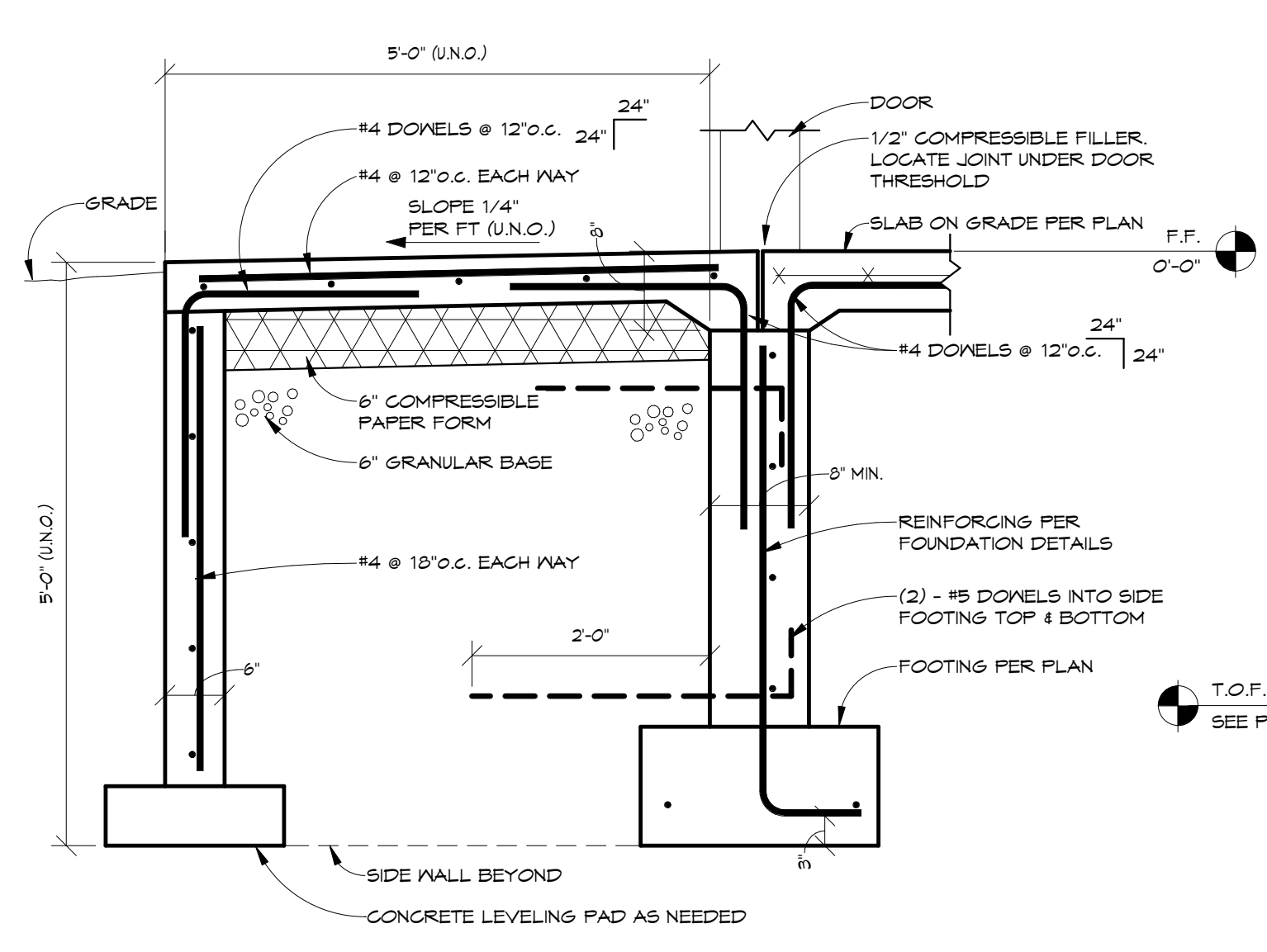
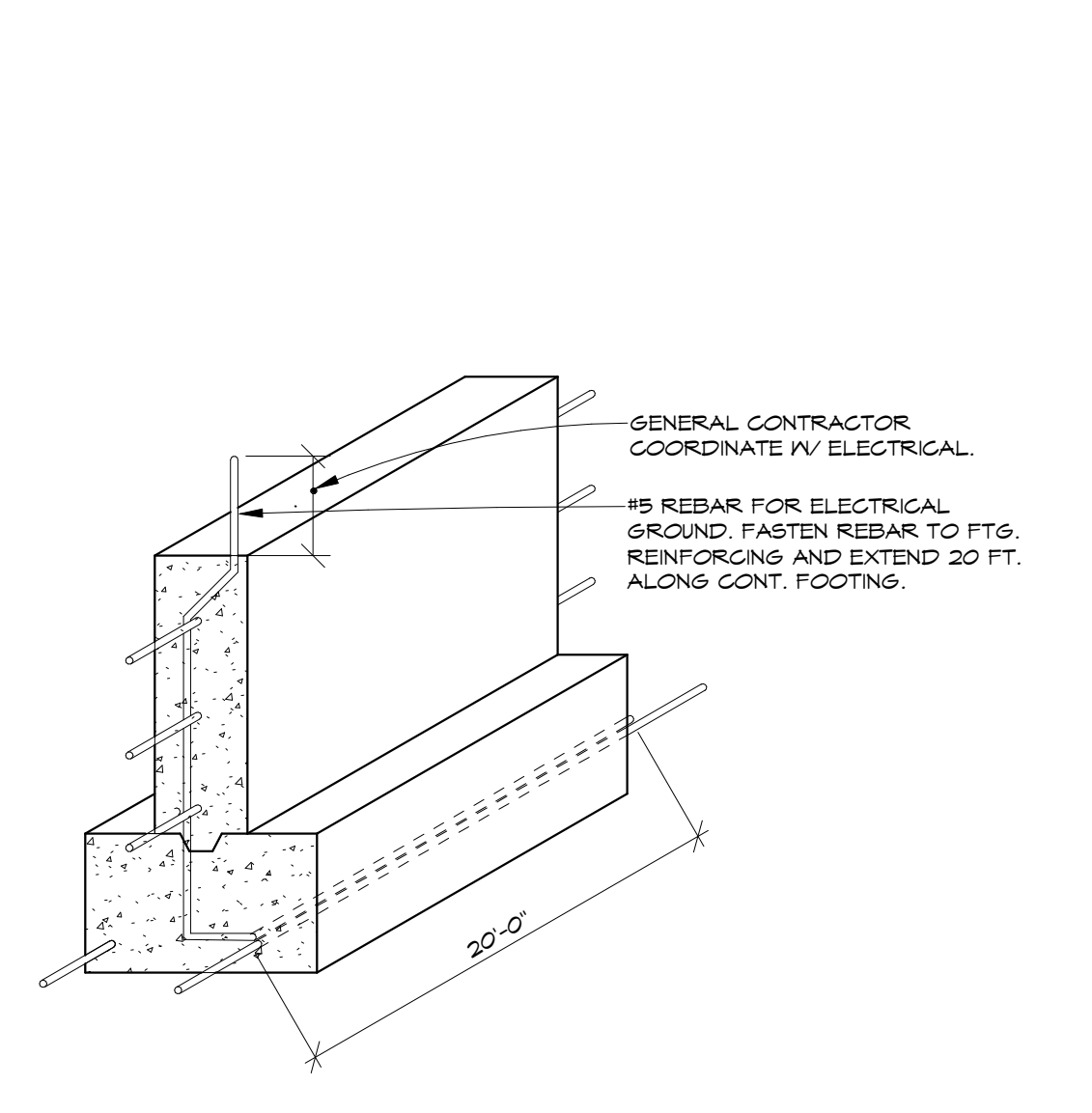
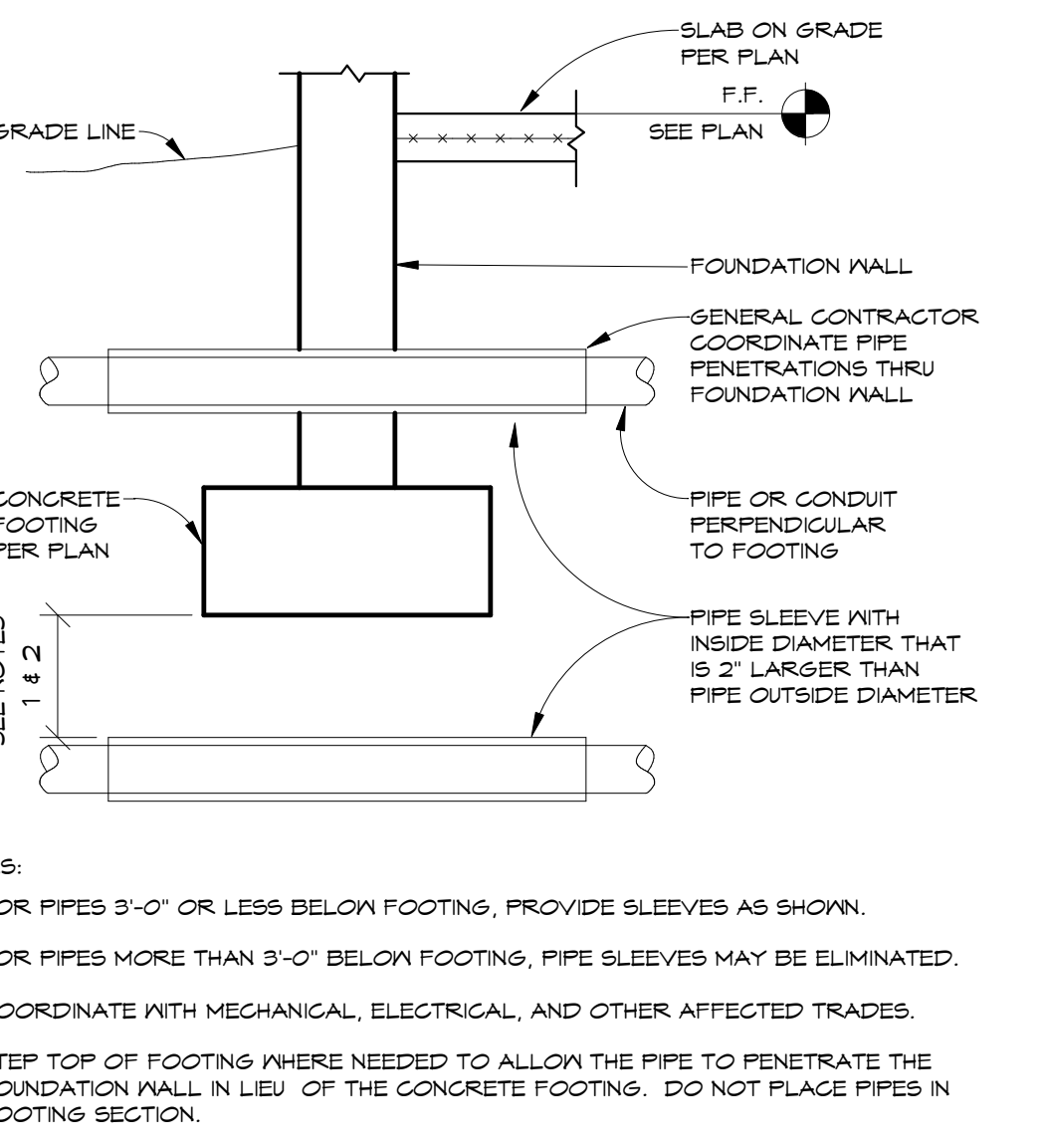


BAR SIZE	DEVELOPMENT LENGTH (TENSION OR COMPRESSION)		LAP SPLICE	
	Fc ≤ 3000 PSI	Fc ≤ 4000 PSI	Fc ≤ 3000 PSI	Fc ≤ 4000 PSI
#4	22"	18"	24"	25"
#5	25"	24"	31"	32"
#6	33"	24"	43"	36"
#7	45"	42"	63"	55"
#8	55"	48"	72"	65"

Fc = CONCRETE COMPRESSION STRENGTH



1 CONG. WALL JOINT 1/2" x 1'-0"
2 CONCRETE WALL CORNER 3/4" x 1'-0"
3 CONCRETE WALL INT. 3/4" x 1'-0"
4 SLAB ON GRADE JOINTS 1 1/2" x 1'-0"
ADDL. CONCRETE REINF. @ REENTRANT CORNERS 1/2" x 1'-0"
5 PIPE PARALLEL TO FOOTINGS 1/4" x 1'-0"



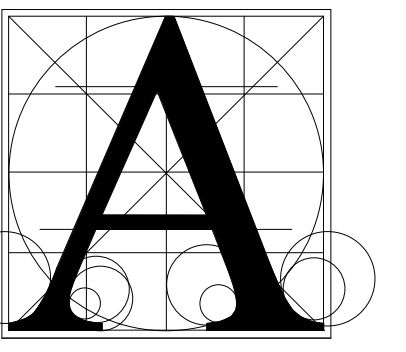
18 PRECAST WALL FOOTING DETAIL 3/4" x 1'-0"
19 PRECAST WALL FTG. DETAIL 1" x 1'-0"
20 FDN CMU 8" INTERIOR FTG. 3/4" x 1'-0"
21 FDN MTL STUD WALL THICKENED SLAB 3/4" x 1'-0"
22 FDN CMU 8" INTERIOR THICKENED SLAB 3/4" x 1'-0"
23 FDN INTERIOR STEEL COLUMN FTG 3/4" x 1'-0"
24 FDN CMU 8" INTERIOR FTG. 3/4" x 1'-0"

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BALTIC HIGH SCHOOL ADDITION
DETAILS- FOUNDATION

Project	number	12/22/22
date	revision	
drawn	MW	checked JP
NO.	DATE	DESCRIPTION
1	1/20/23	ADDENDUM #2

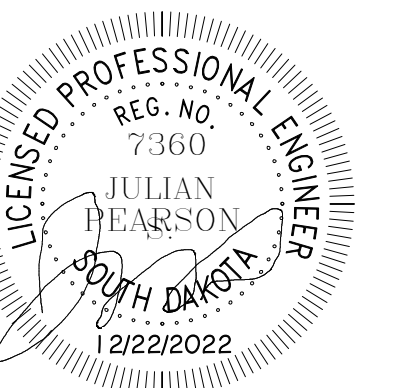
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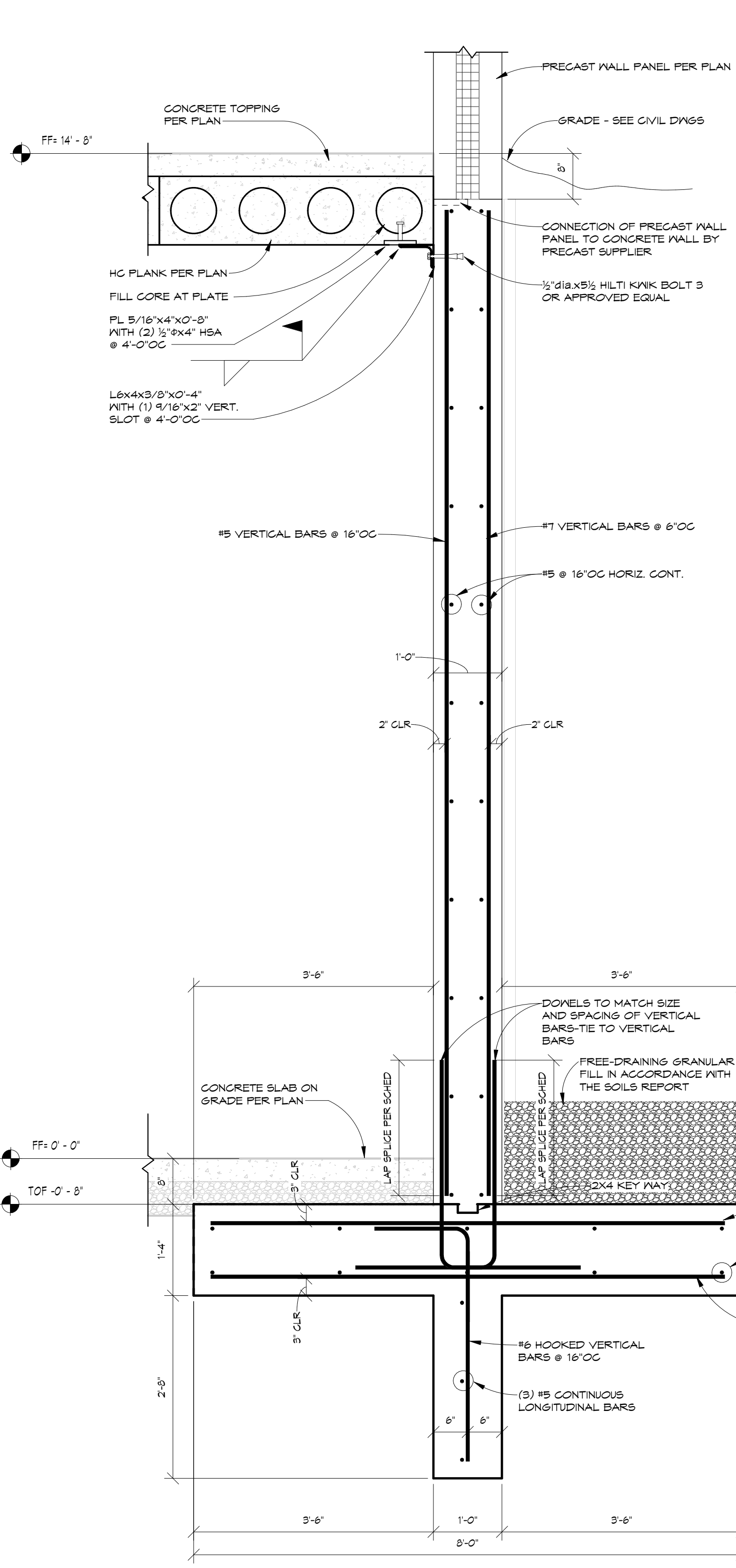


BALTIC HIGH SCHOOL ADDITION

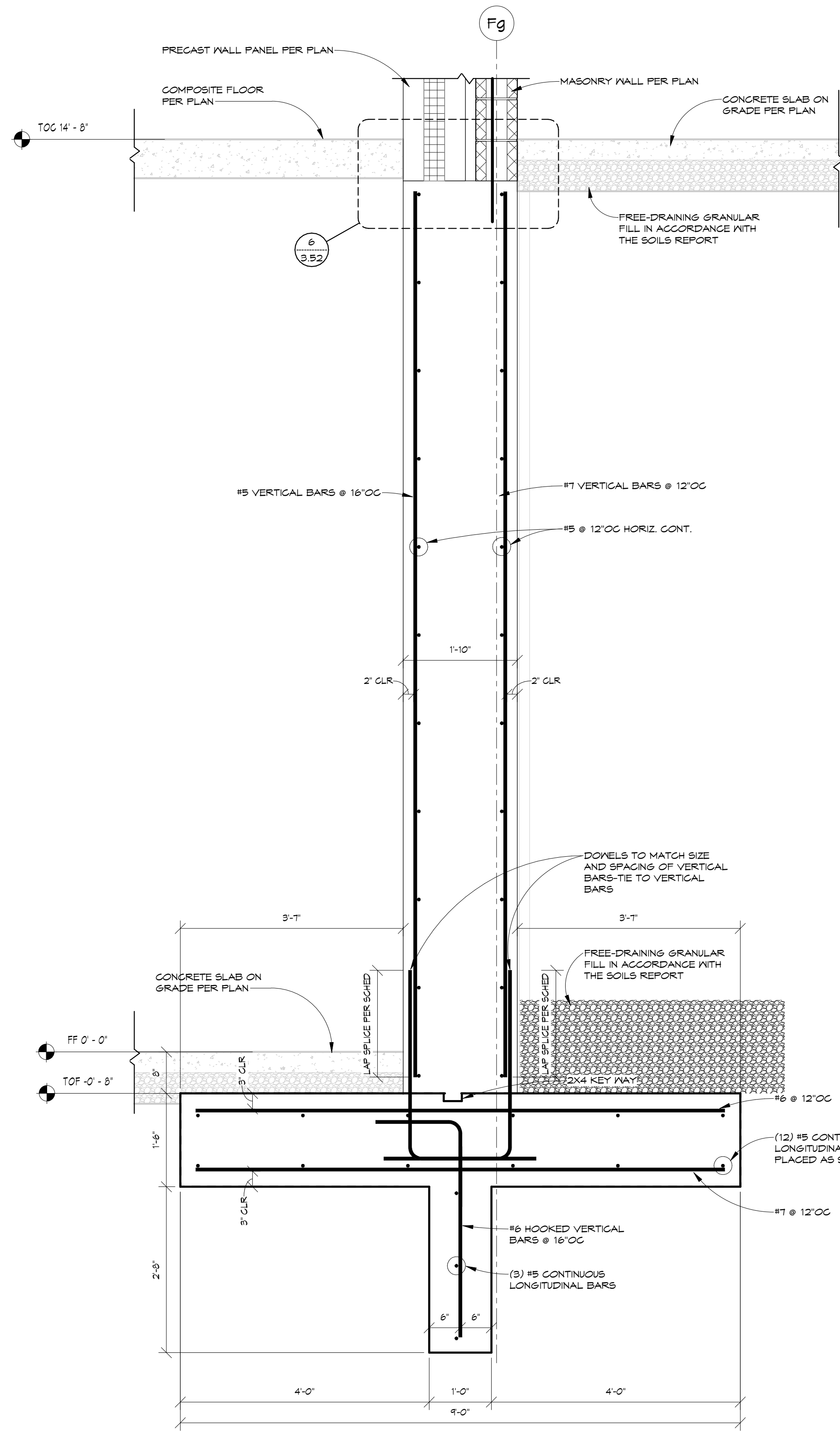
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Sheet contents		
number		
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revision		
drawn	MW	
checked	JP	
NO.	DATE	DESCRIPTION
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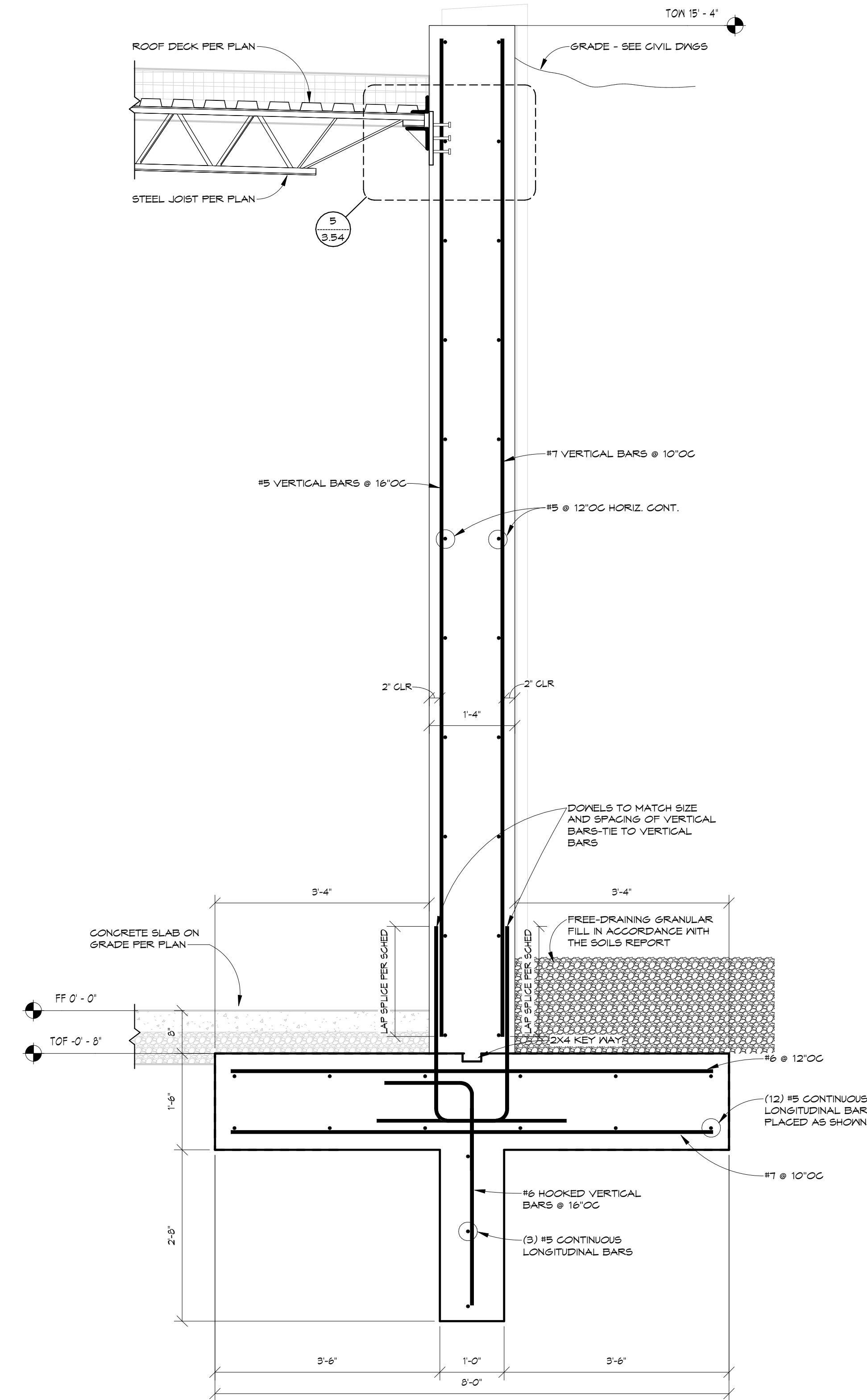
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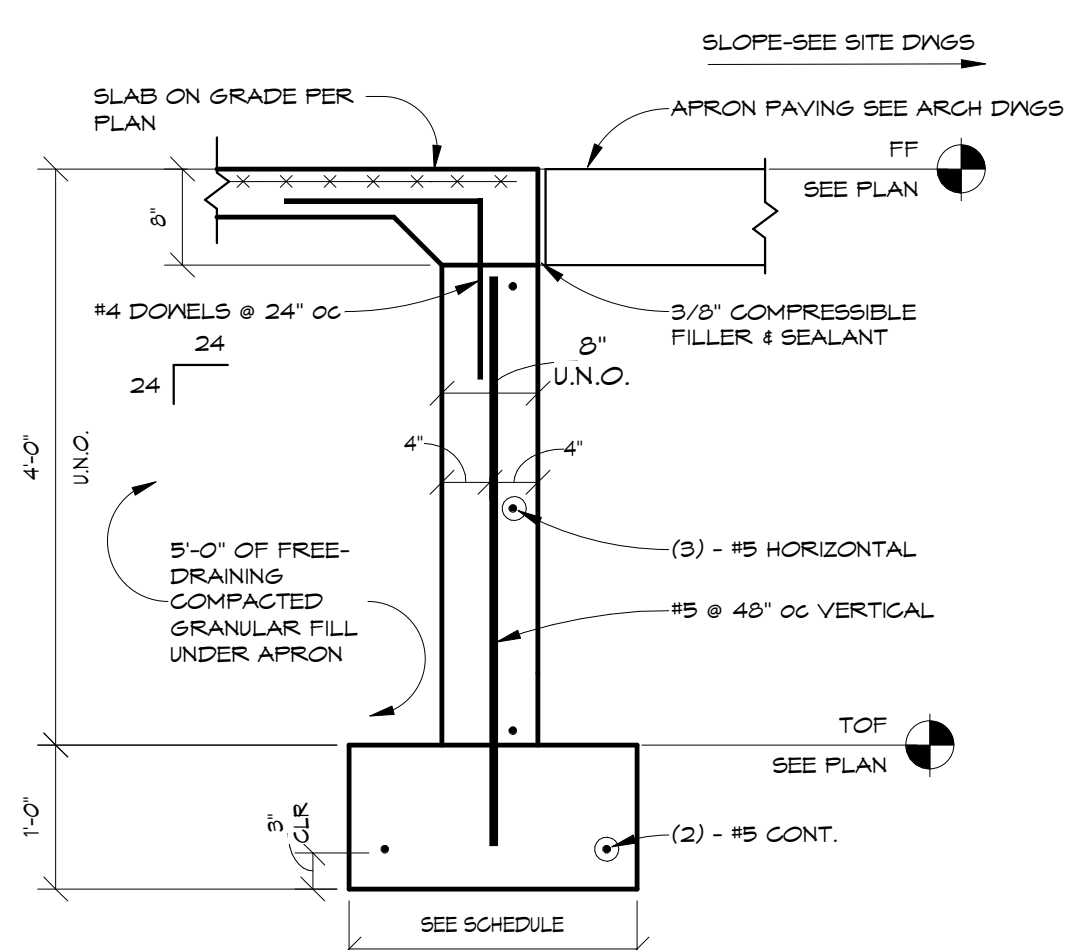
1 FOUNDATION WALL - AREA F
3/4' x 1'-0'



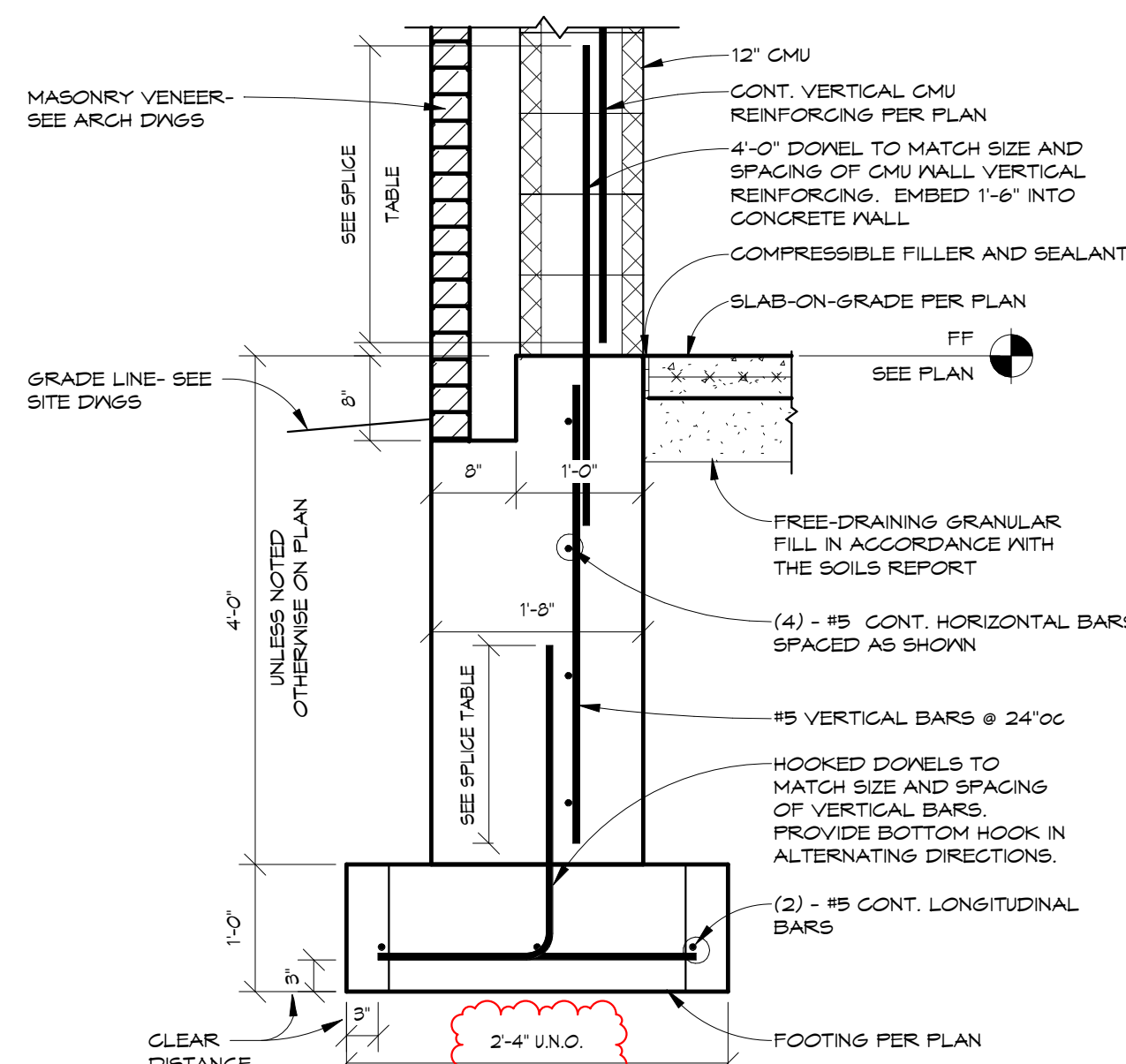
2 FOUNDATION WALL - AREA F
3/4' x 1'-0'



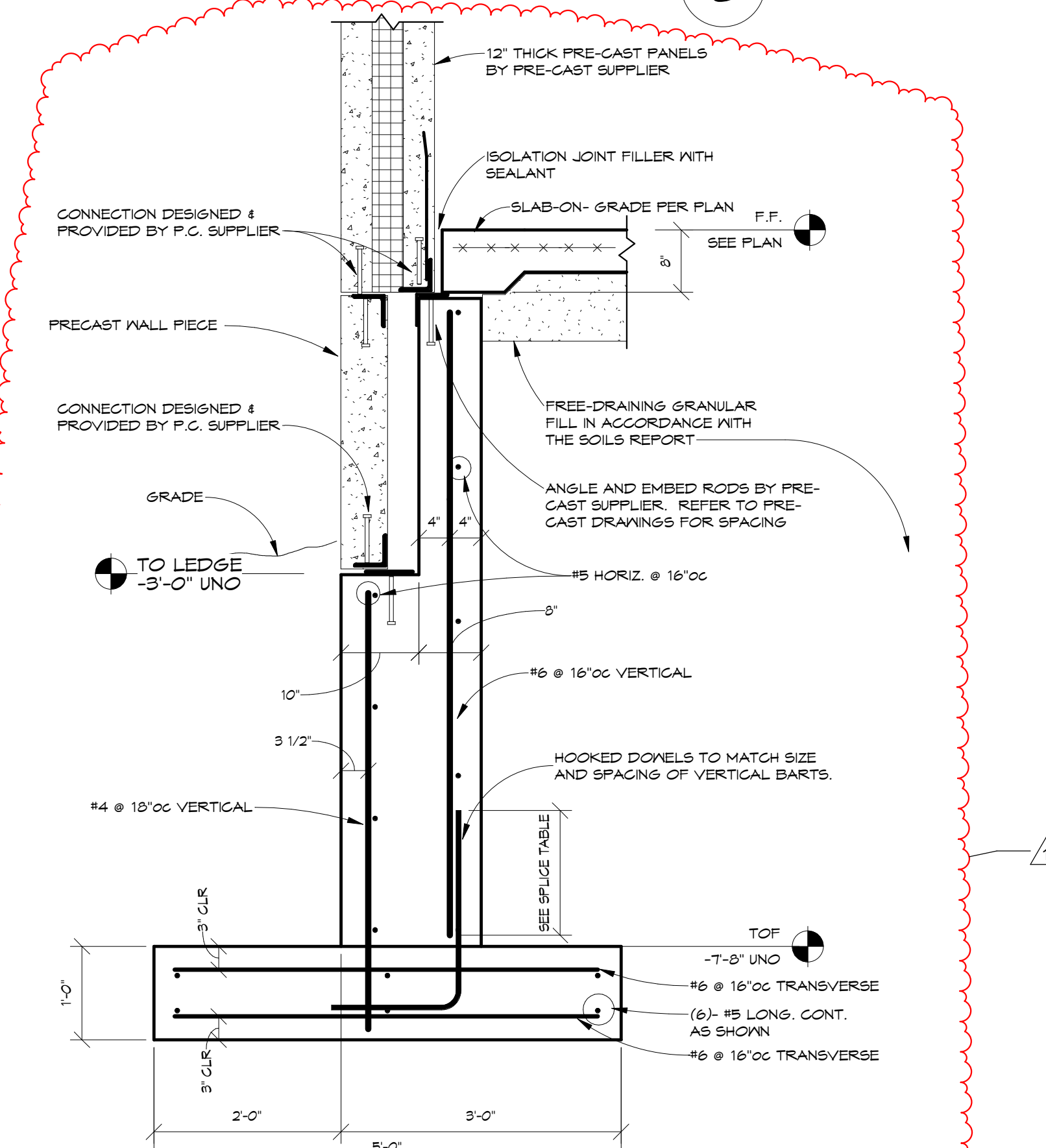
3 FOUNDATION WALL - AREA H
3/4' x 1'-0'



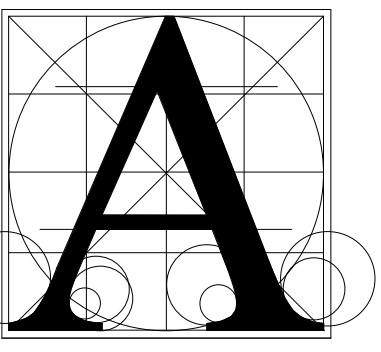
4 FOUNDATION DETAIL AT OVERHEAD DOOR
3/4' x 1'-0'



5 FDN CMU 12\"/>



7 EXTERIOR P.C. WALL RET. WALL FOOTING
3/4' x 1'-0'



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BALTIC HIGH SCHOOL ADDITION

DETAILS- MASONRY/STEEL

Project

Sheet contents

number

date 12/22/22

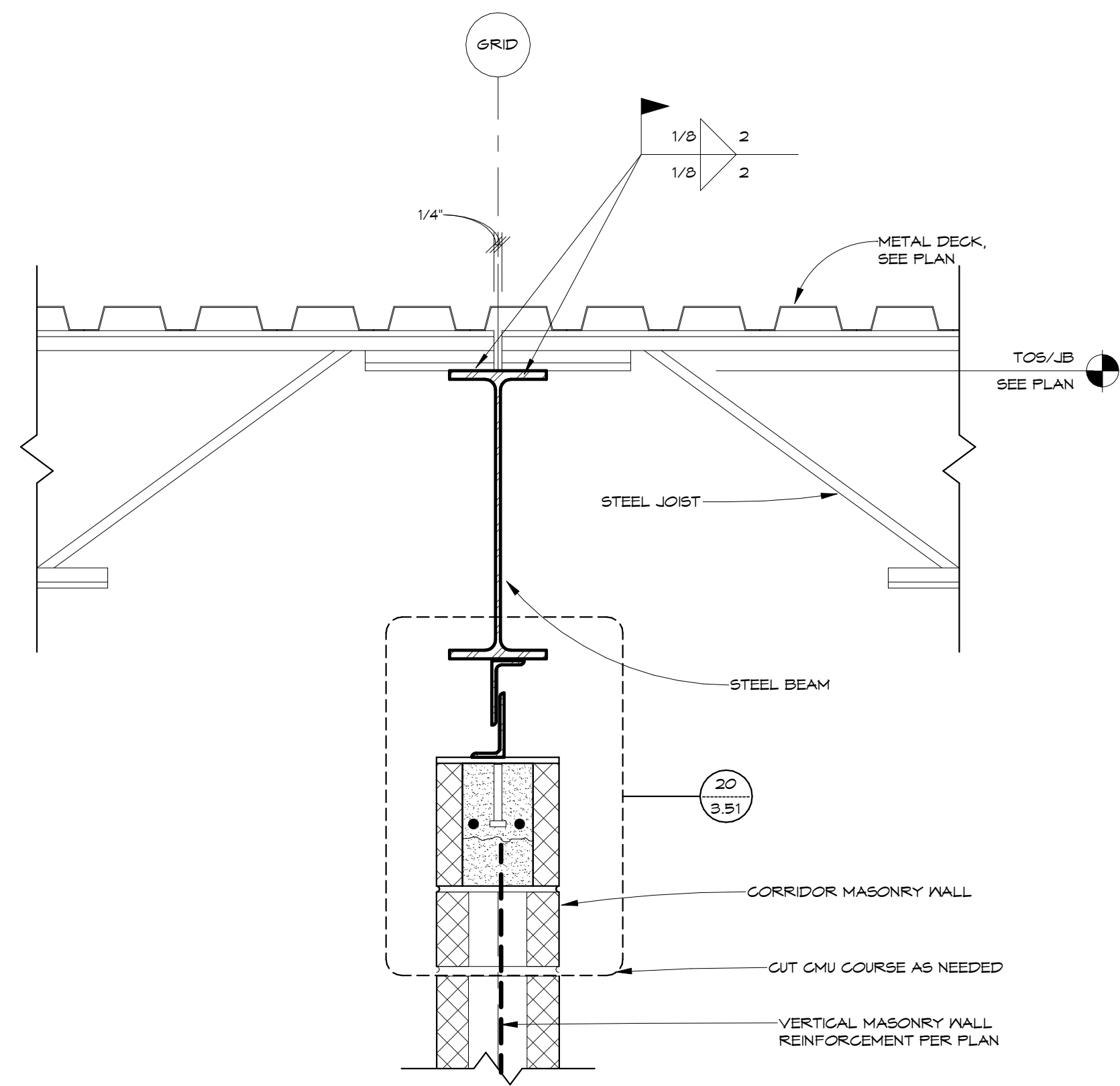
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drawn MW checked JP

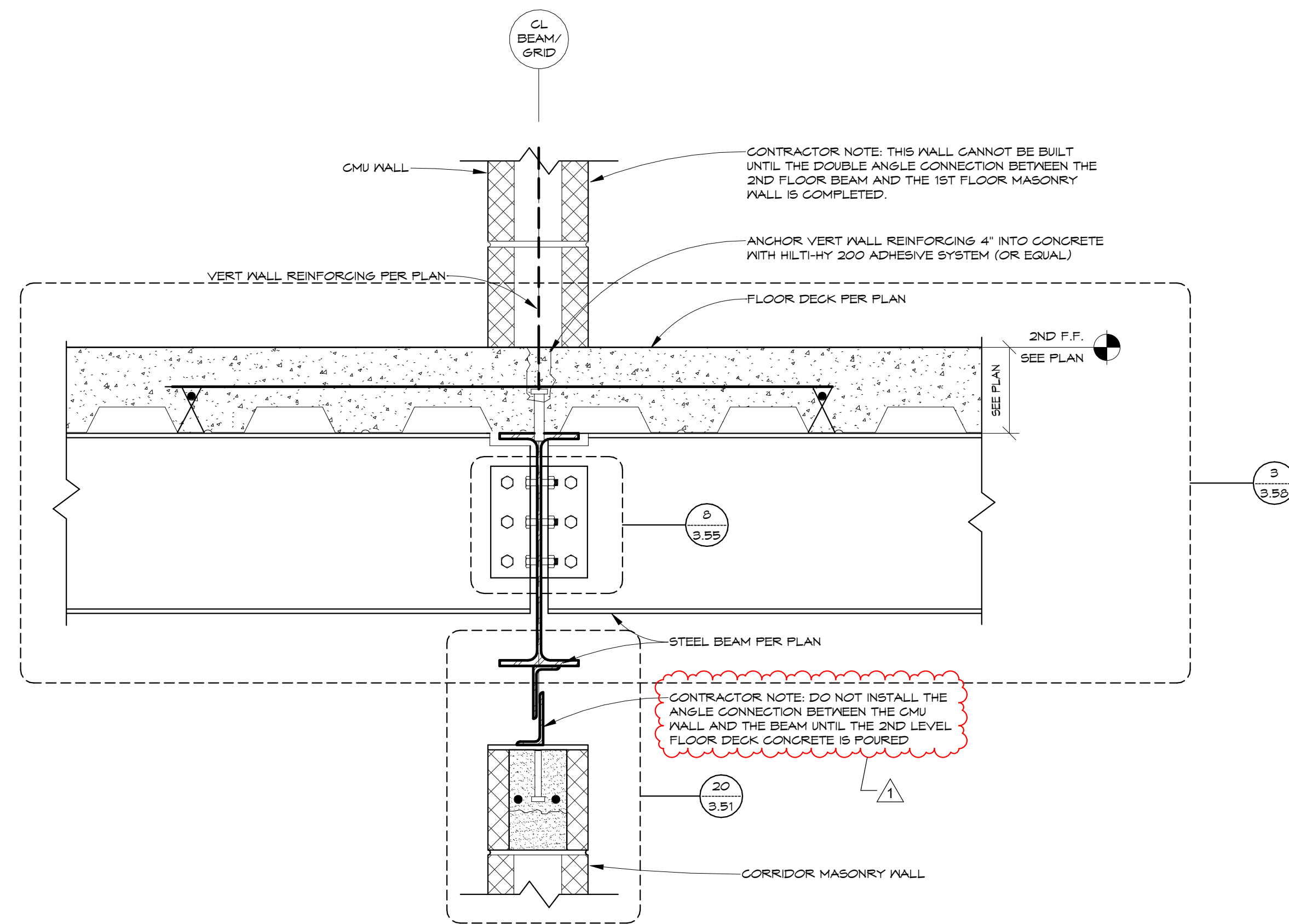
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1 1/20/23 ADDENDUM #2

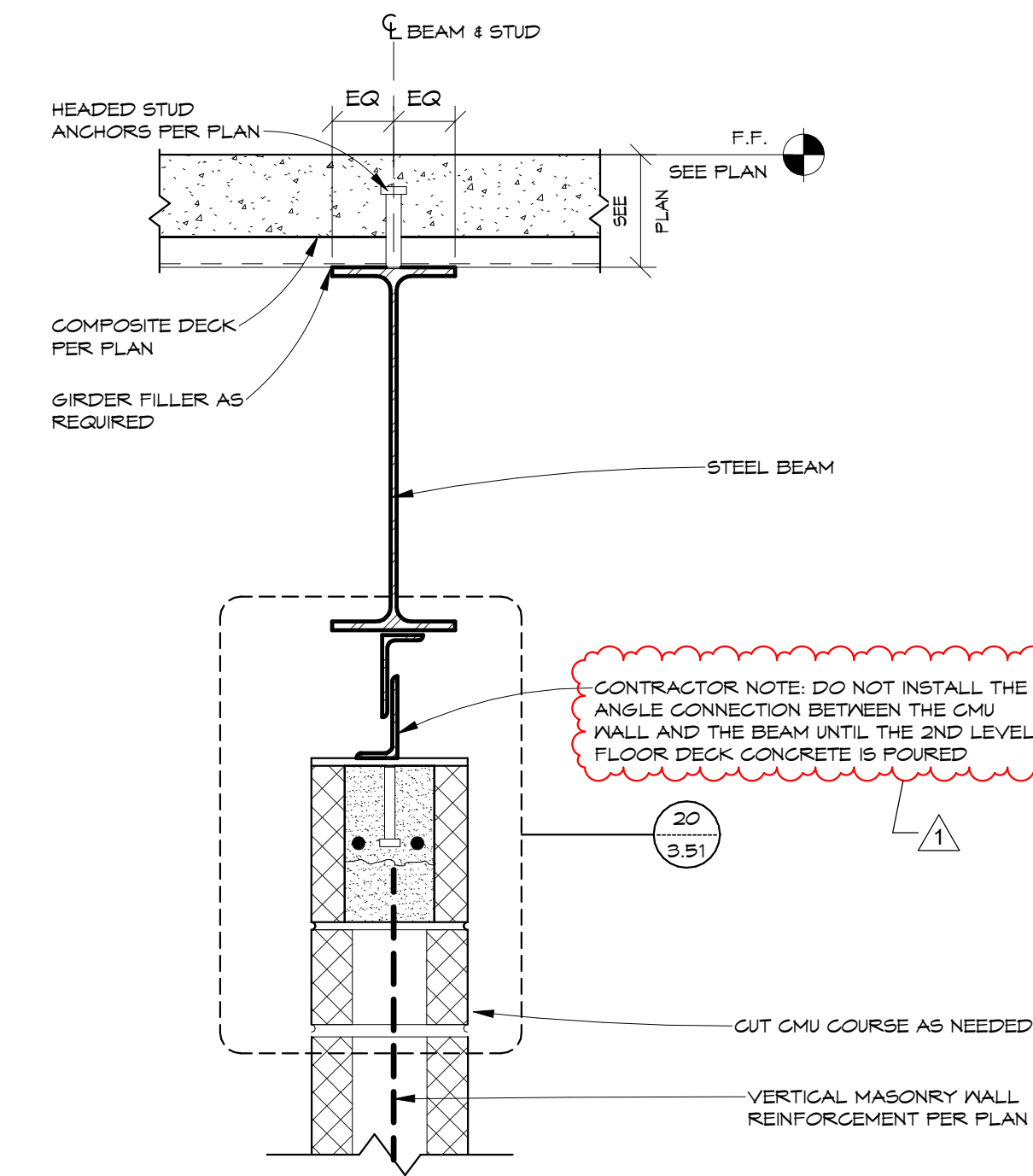
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1 ROOF FRAMING CONSTRUCTION ALONG AREA G CORRIDOR
1 1/2' x 1'-0"



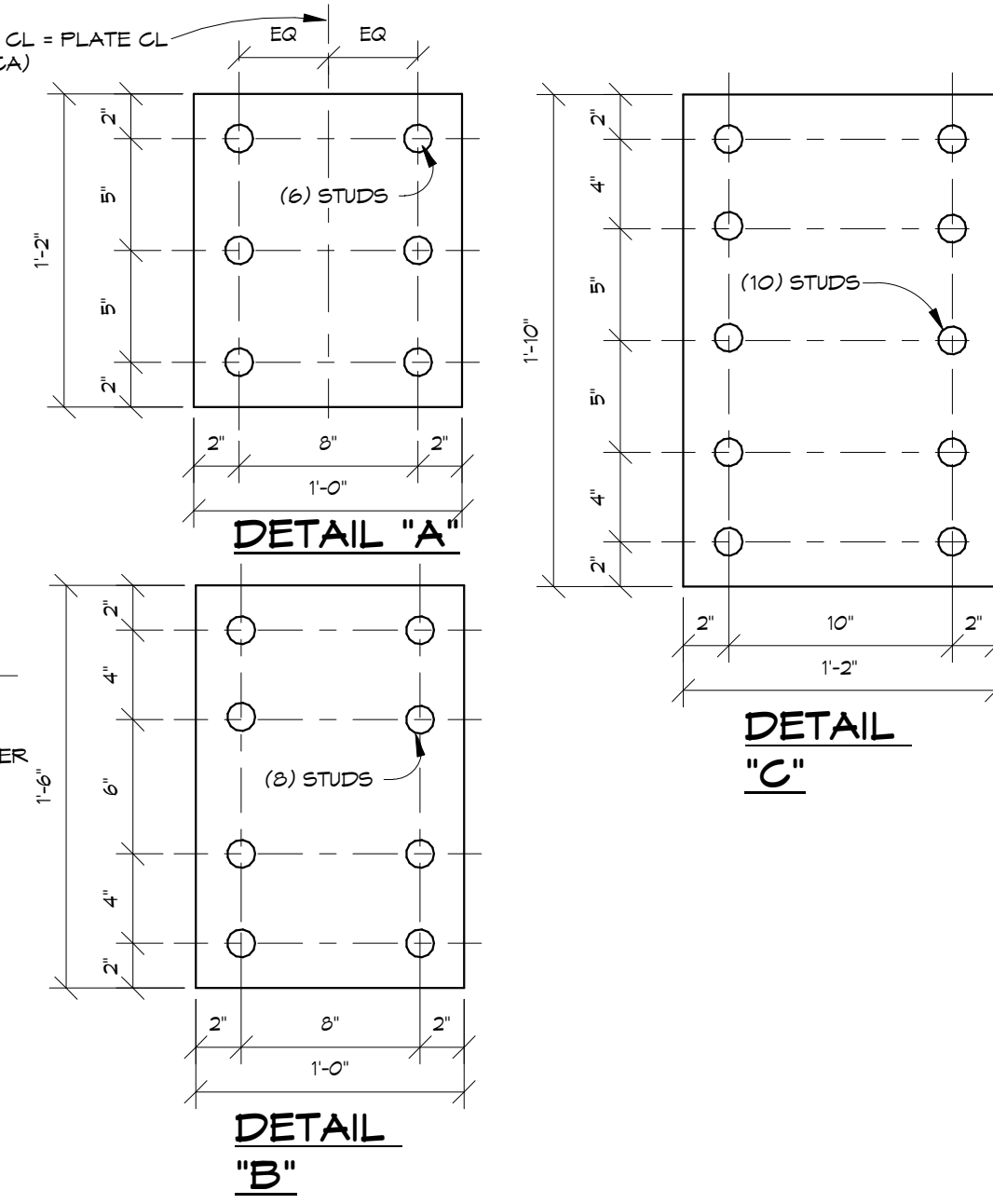
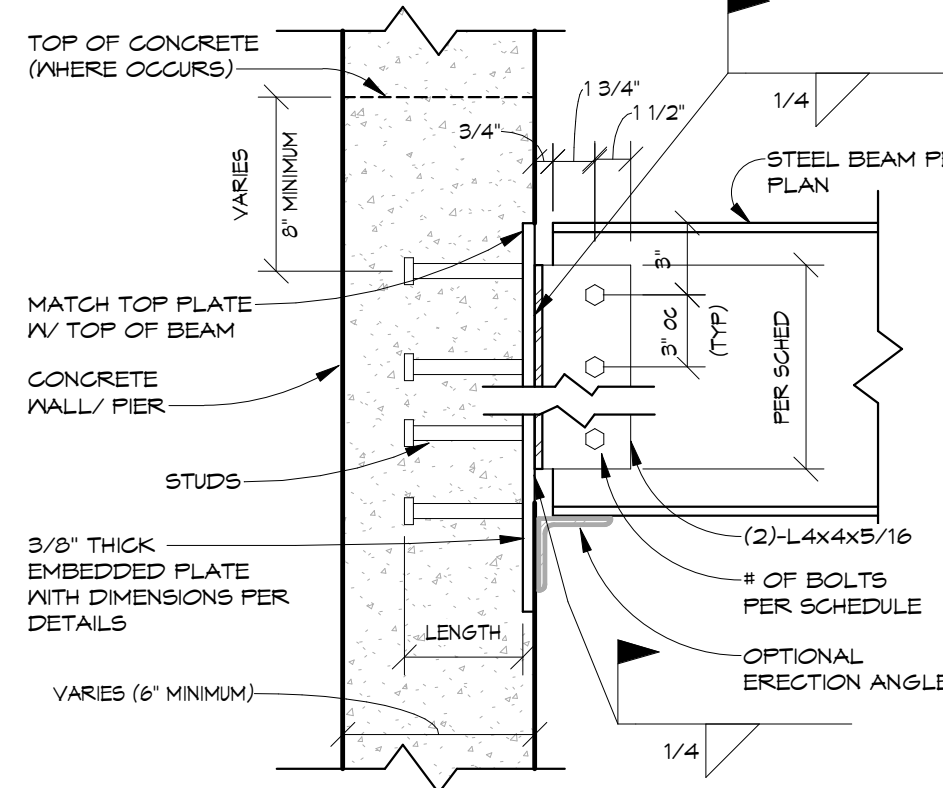
2 FLOOR CONSTRUCTION ALONG AREA G CORRIDOR
1 1/2' x 1'-0"



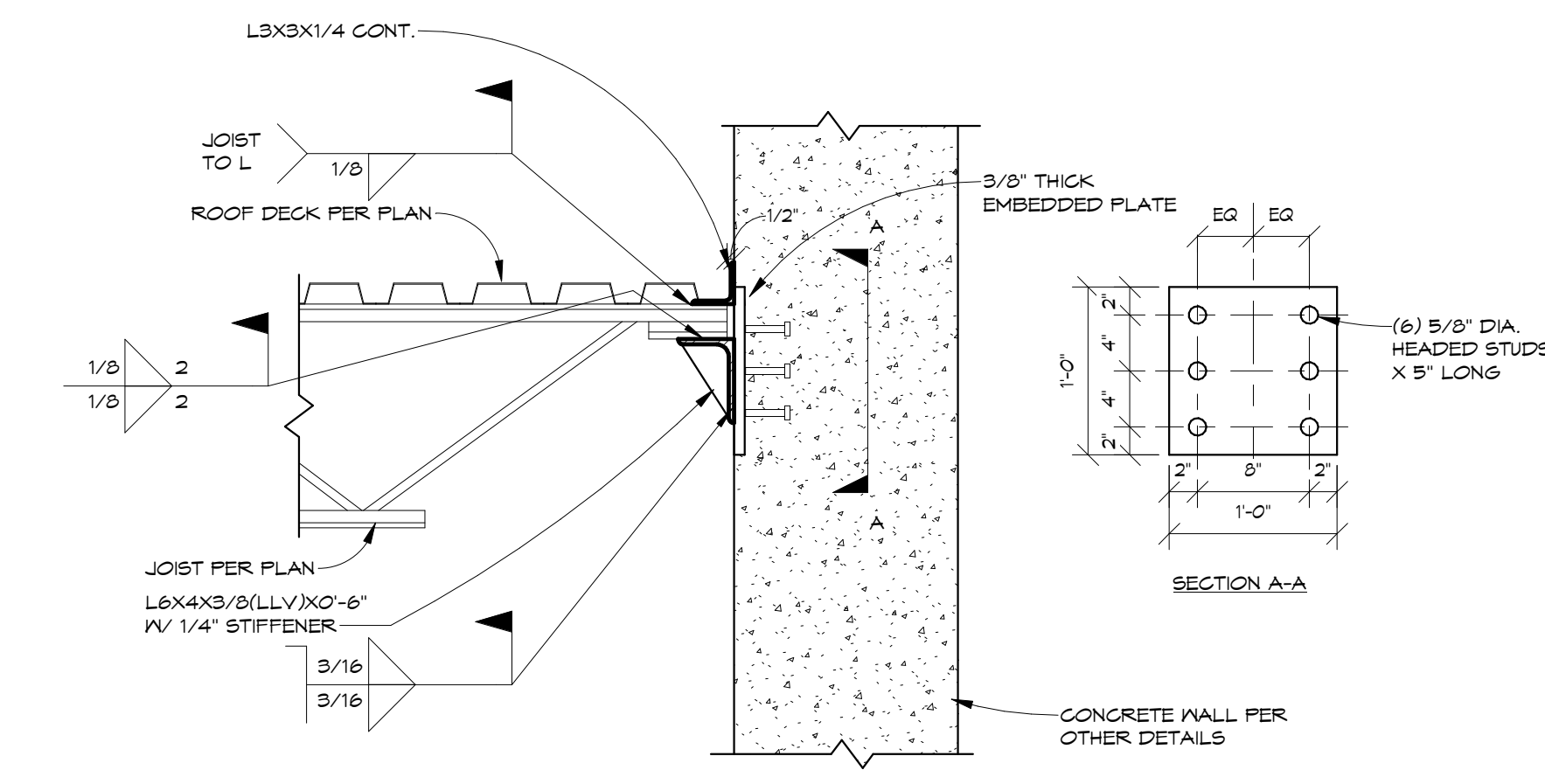
3 FLOOR CONSTRUCTION ALONG AREA F CORRIDOR
1 1/2' x 1'-0"

CONNECTION SCHEDULE				
BEAM SIZE	# BOLTS	ANGLE LENGTH	PLATE DETAILS (LXID)	CAPACITY (KIPS)
M8, M10	2	5 1/2"	A	33 K
M12, M14	3	8 1/2"	B	48 K
M16, M18	4	11 1/2"	C	62 K

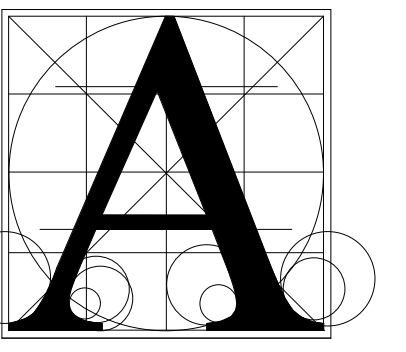
- NOTES:
1. CAPACITY IS GOVERNED BY HCAS IN CONCRETE.
2. BOLTS ARE A325 3/4"-N. HORIZONTAL SHORT SLOTTED HOLES MAY BE PROVIDED IN THE CLIP ANGLES. STANDARD HOLES SHALL BE USED IN THE BEAM.
3. STUDS ARE HEADED CONCRETE ANCHORS (HCA) ASTM A108 TYPE B (F_u=65 KSI) 3/4" DIAMETER X 5" TOTAL LENGTH.



4 BEAM TO CONG WALL EMBED
1 1/2' x 1'-0"



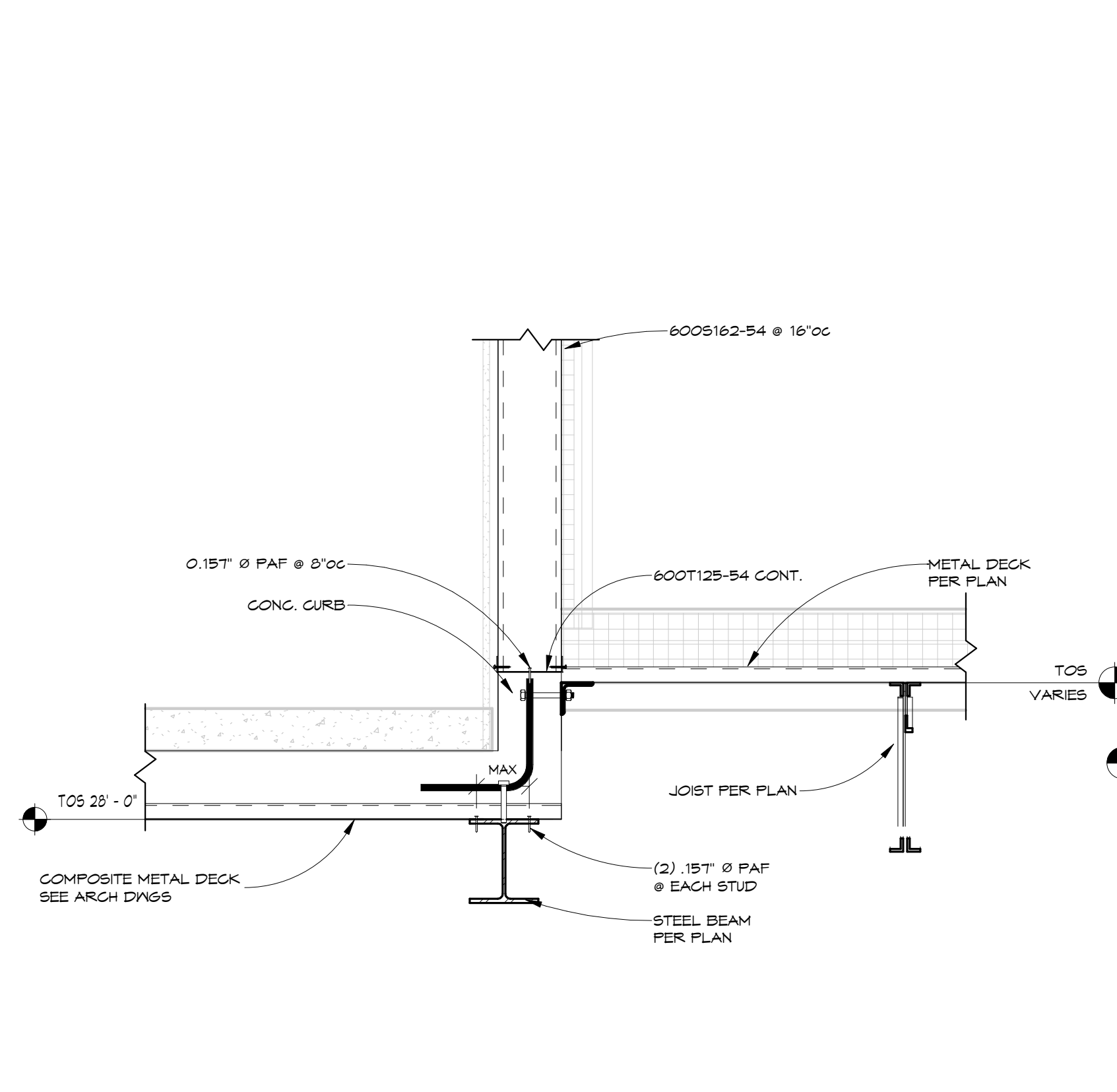
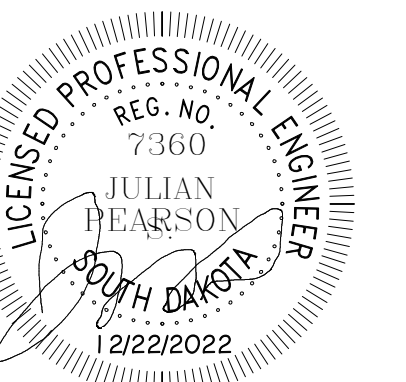
UI JOIST AT CONCRETE WALL CONNECTION
1' x 1'-0"



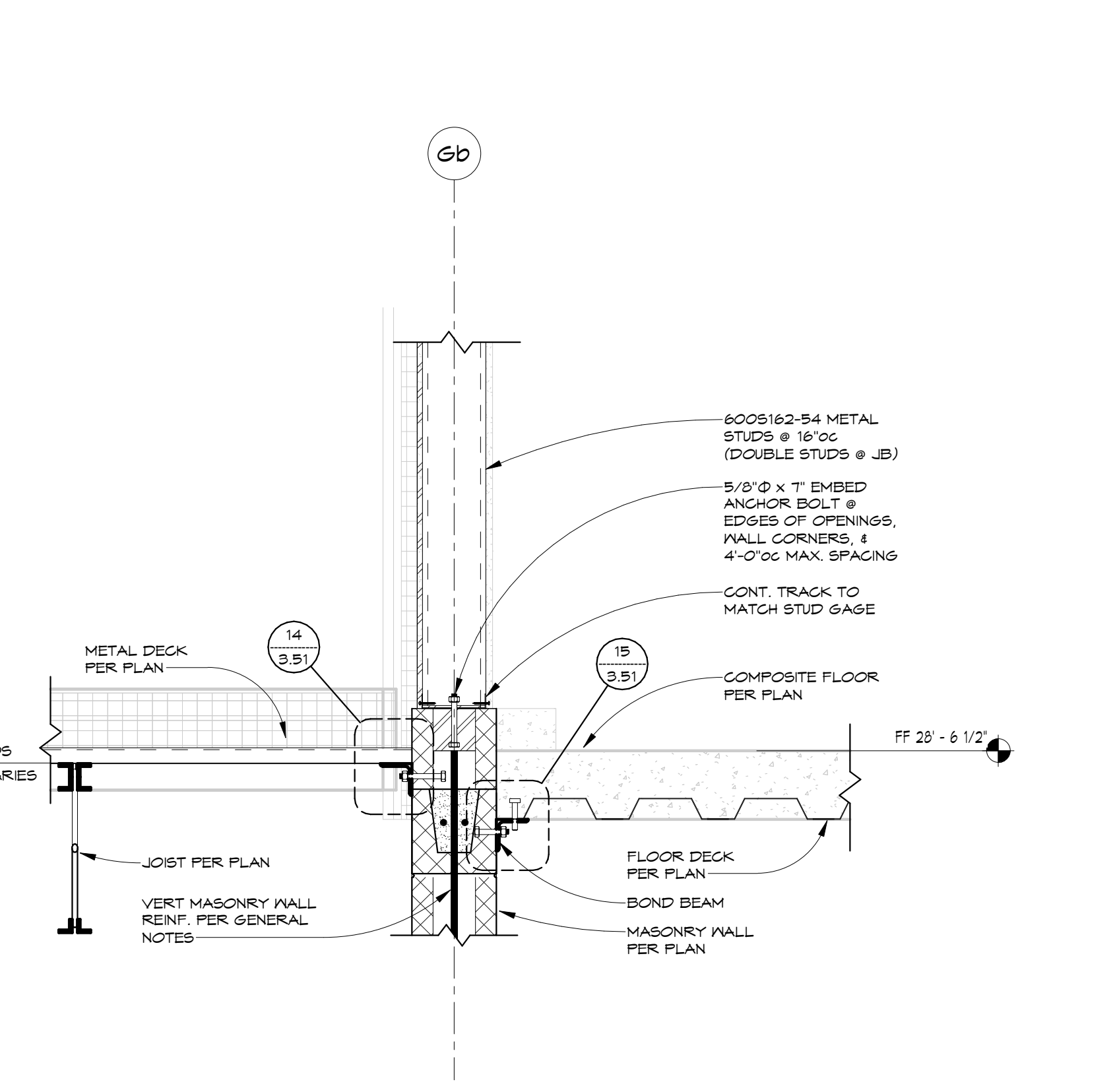
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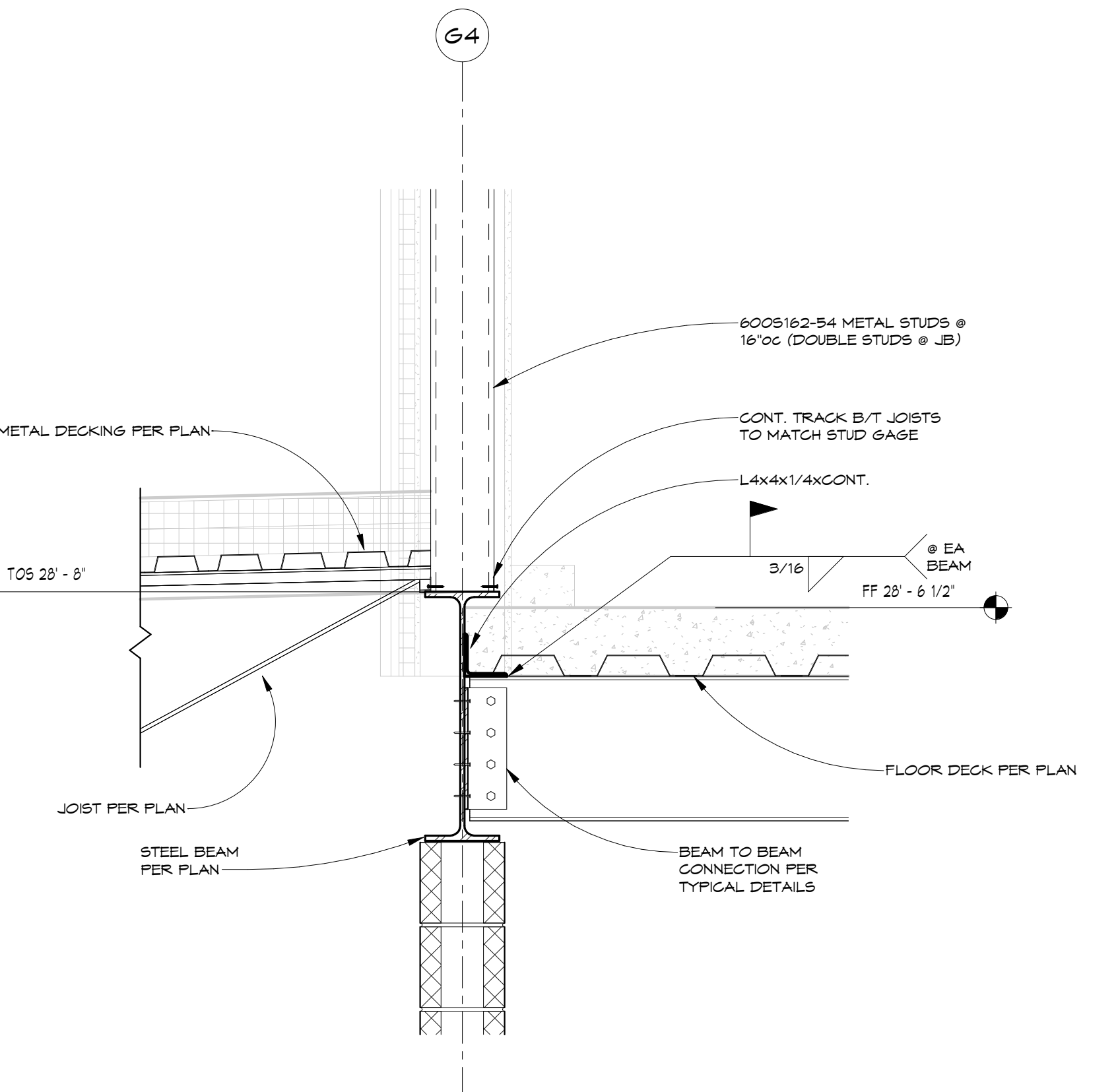
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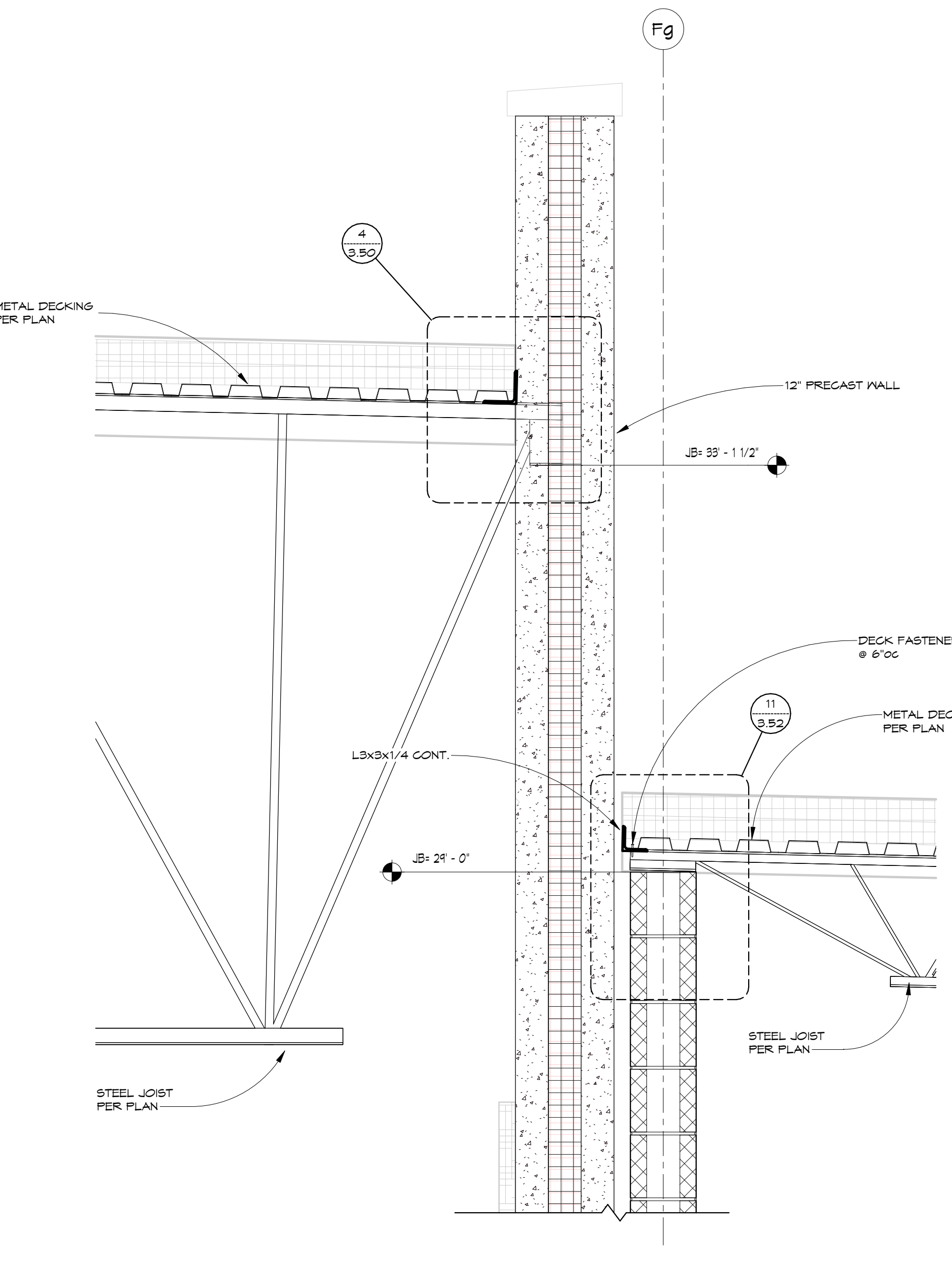
1 AREA 6 PENTHOUSE FRAMING EAST SIDE
1" = 1'-0"



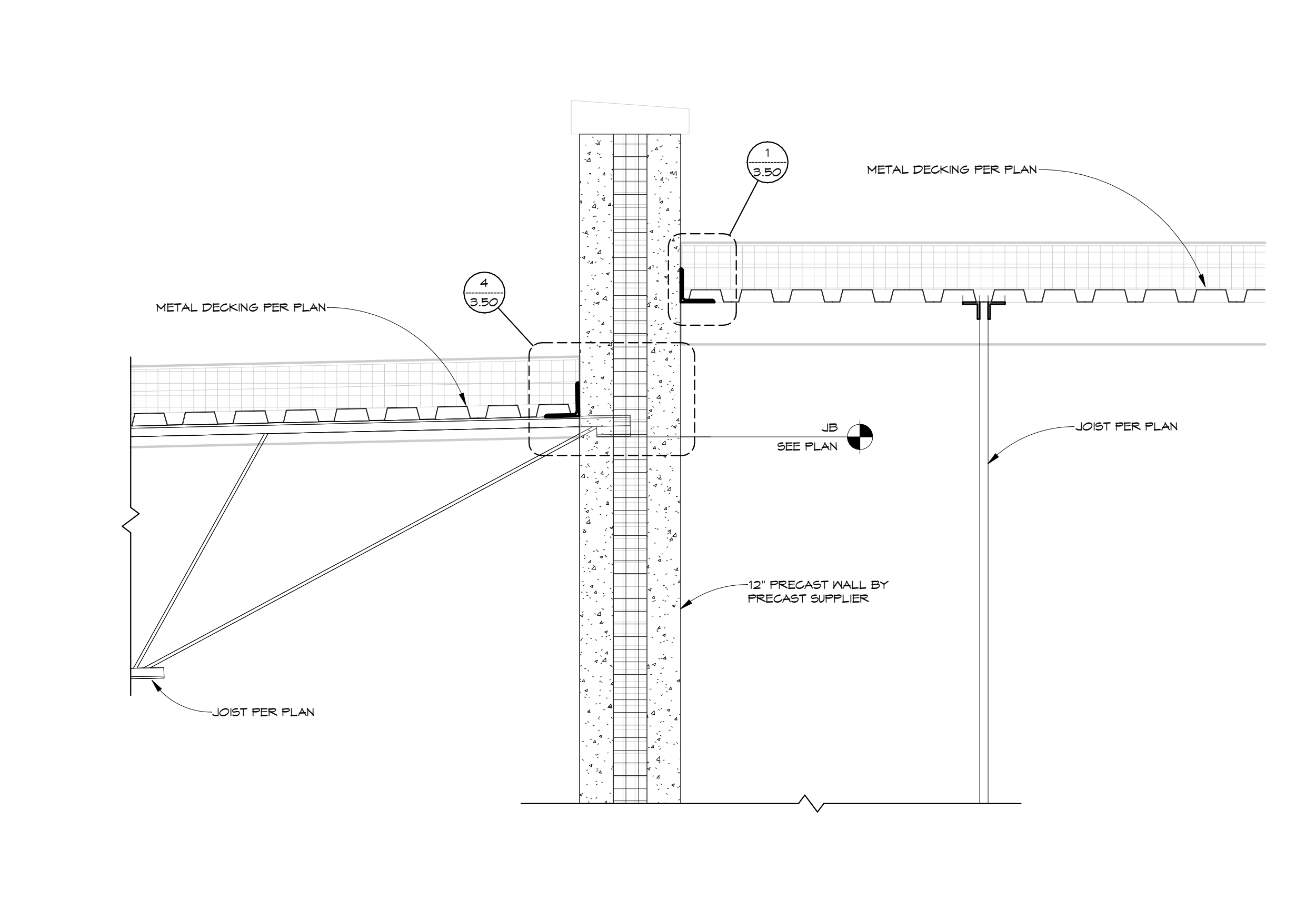
2 AREA 6 PENTHOUSE FRAMING SOUTH SIDE
1" = 1'-0"



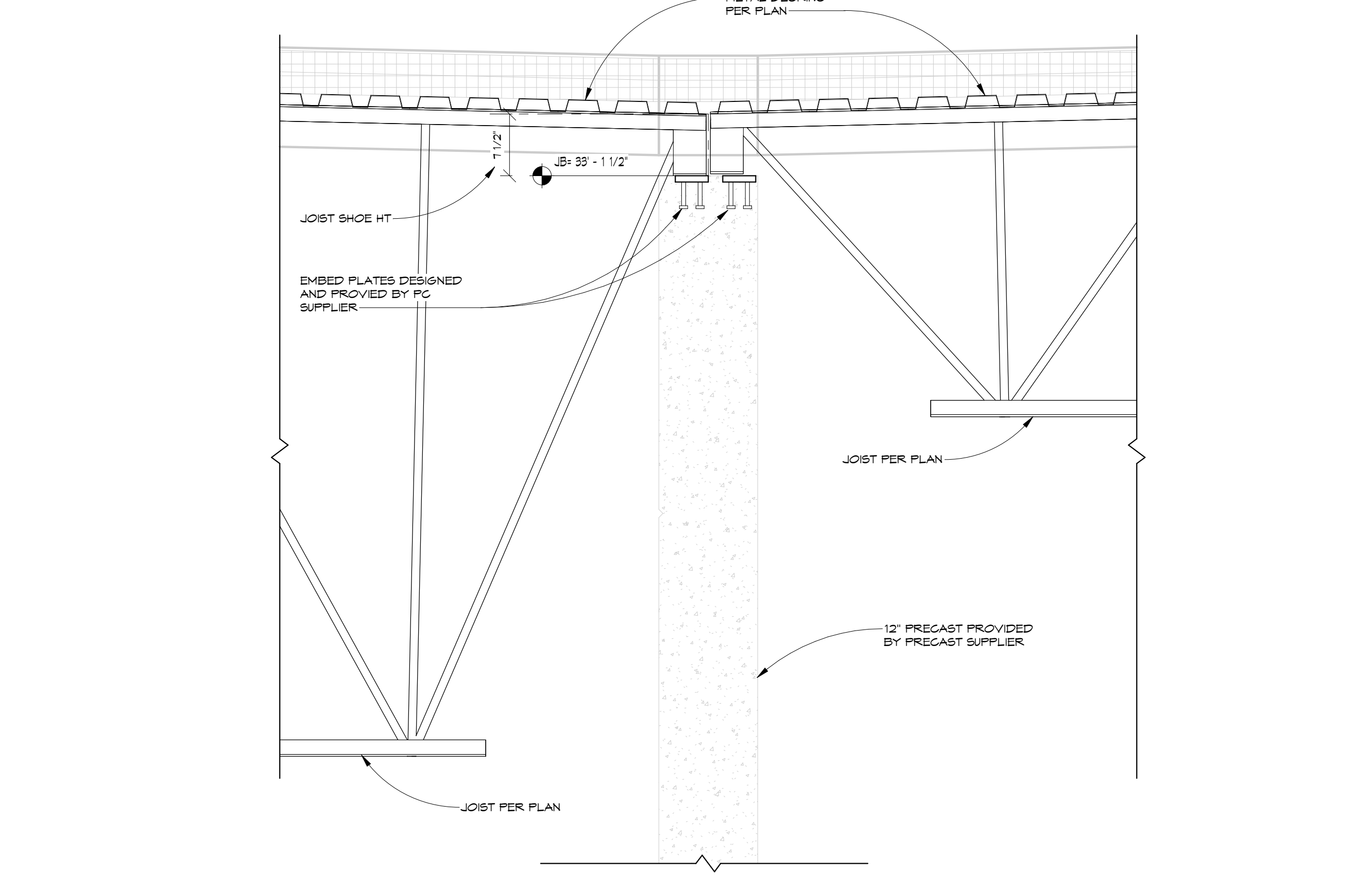
3 AREA 6 PENTHOUSE FRAMING WEST SIDE
1" = 1'-0"



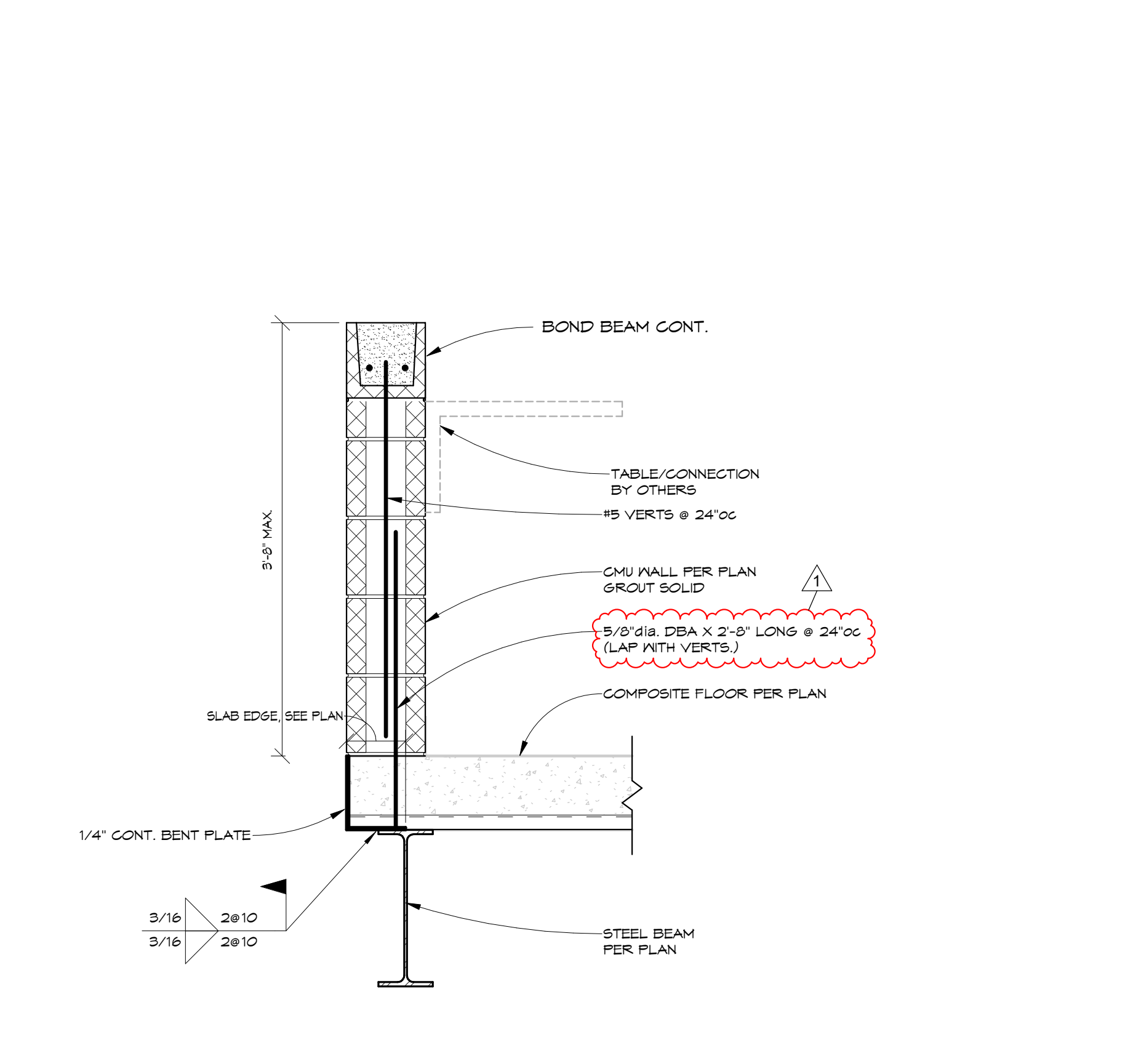
4 CORRIDOR AND GYM ROOF FRAMING
1" = 1'-0"



5 HIGH GYM ROOF FRAMING
1" = 1'-0"



6 HIGH ROOF FRAMING AT GYM/AUD.
1" = 1'-0"



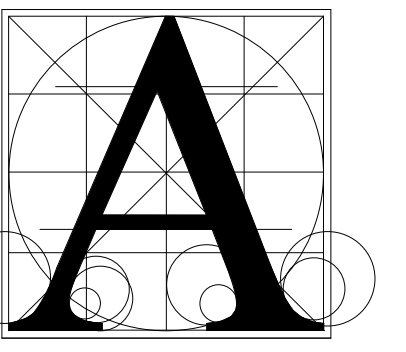
7 TRACK SUPPORT FRAMING
1" = 1'-0"

BALTIC HIGH SCHOOL ADDITION

DETAILS - FRAMING

Project:		
Sheet contents:		
number:		
date:	12/22/22	
revision:		
drawn:	MW	
checked:	JP	
NO.	DATE	DESCRIPTION
1	1/20/23	ADDENDUM #2

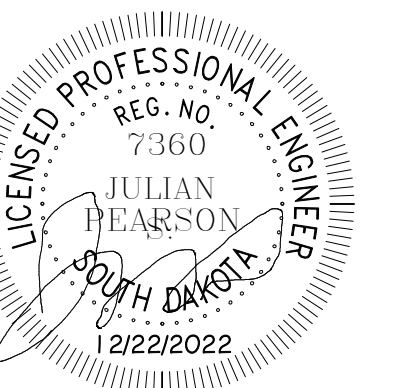
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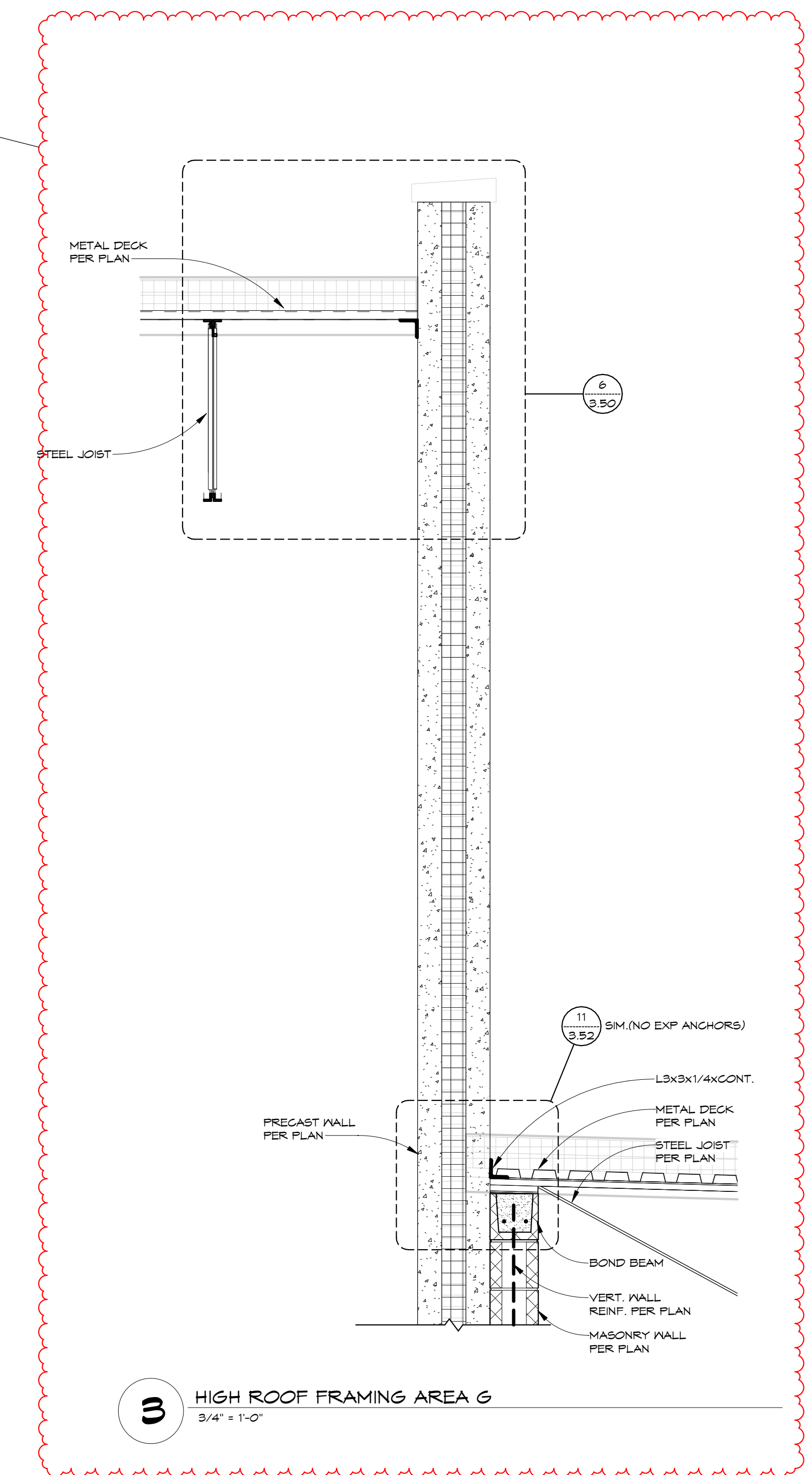


BALTIC HIGH SCHOOL ADDITION

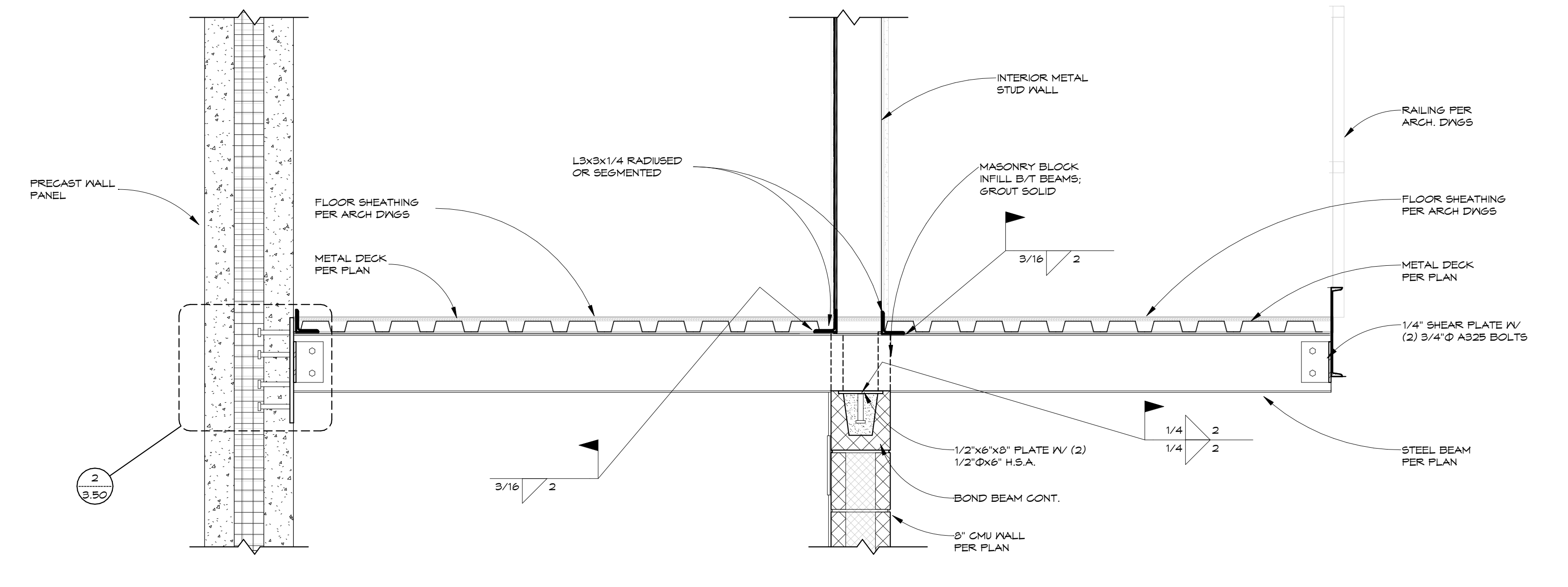
DETAILS - FRAMING

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revision:	
drawn:	MW
checked:	JP
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1 1/20/23 ADDENDUM #2	

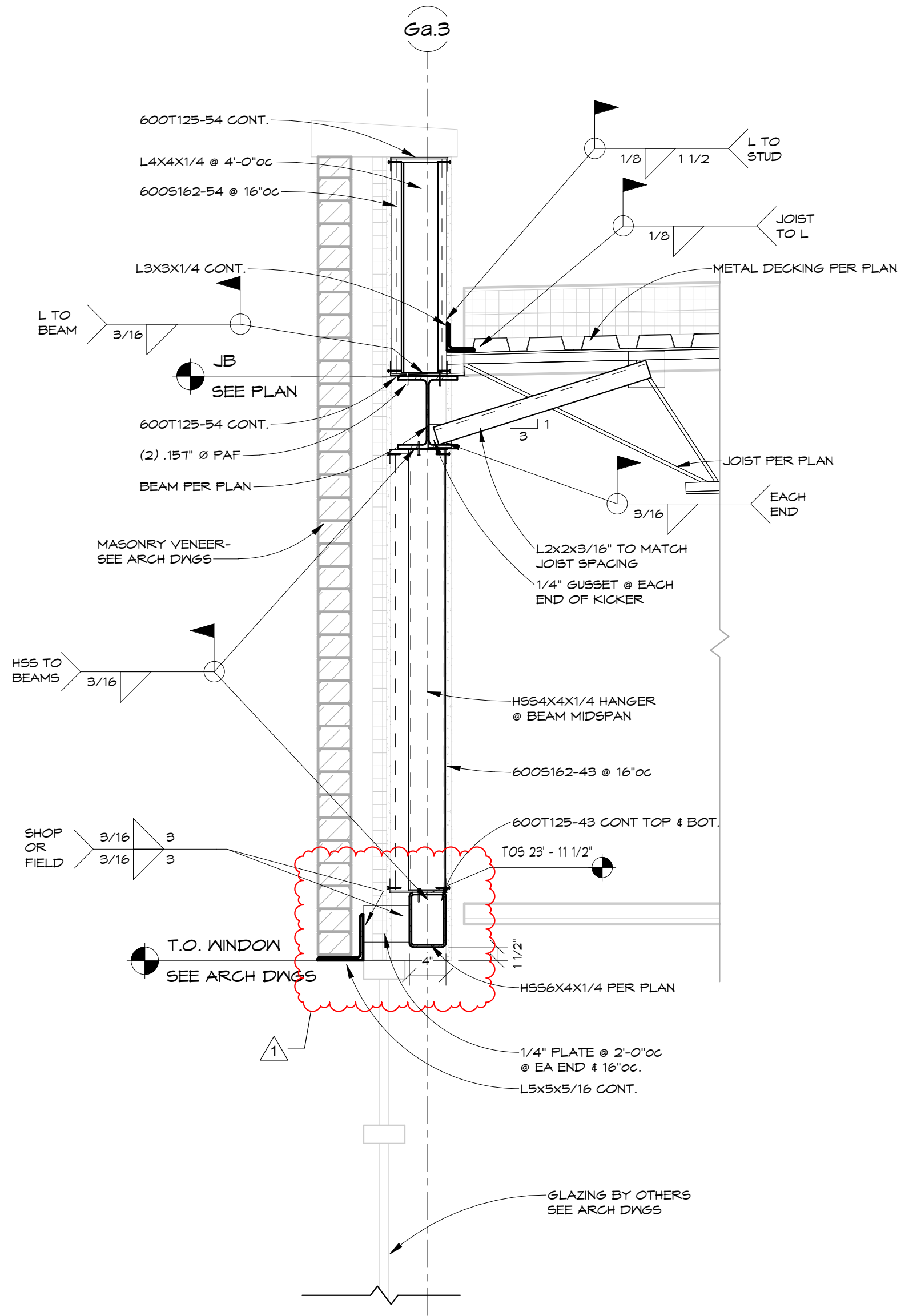
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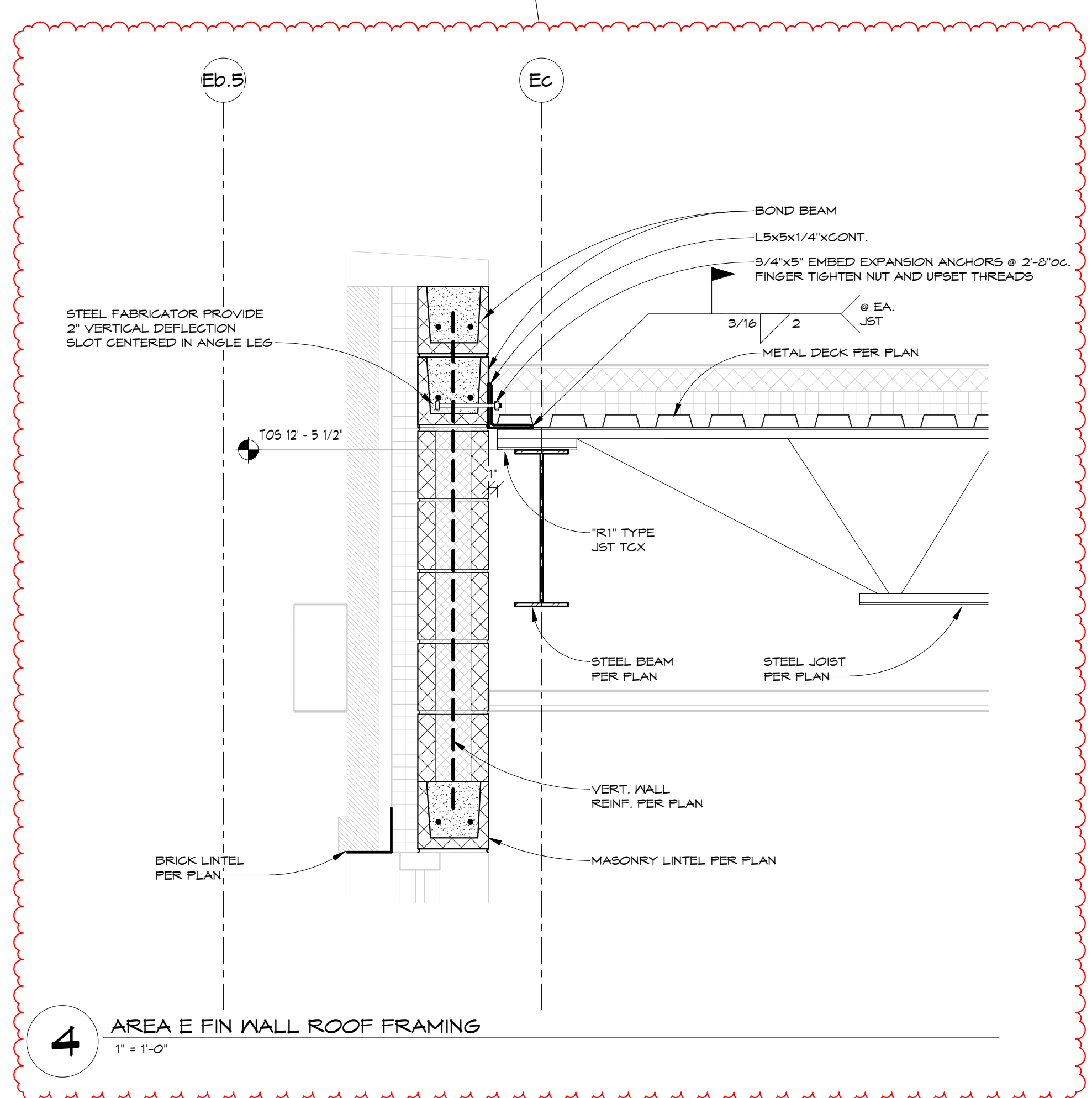
3 HIGH ROOF FRAMING AREA G
3/4" = 1'-0"



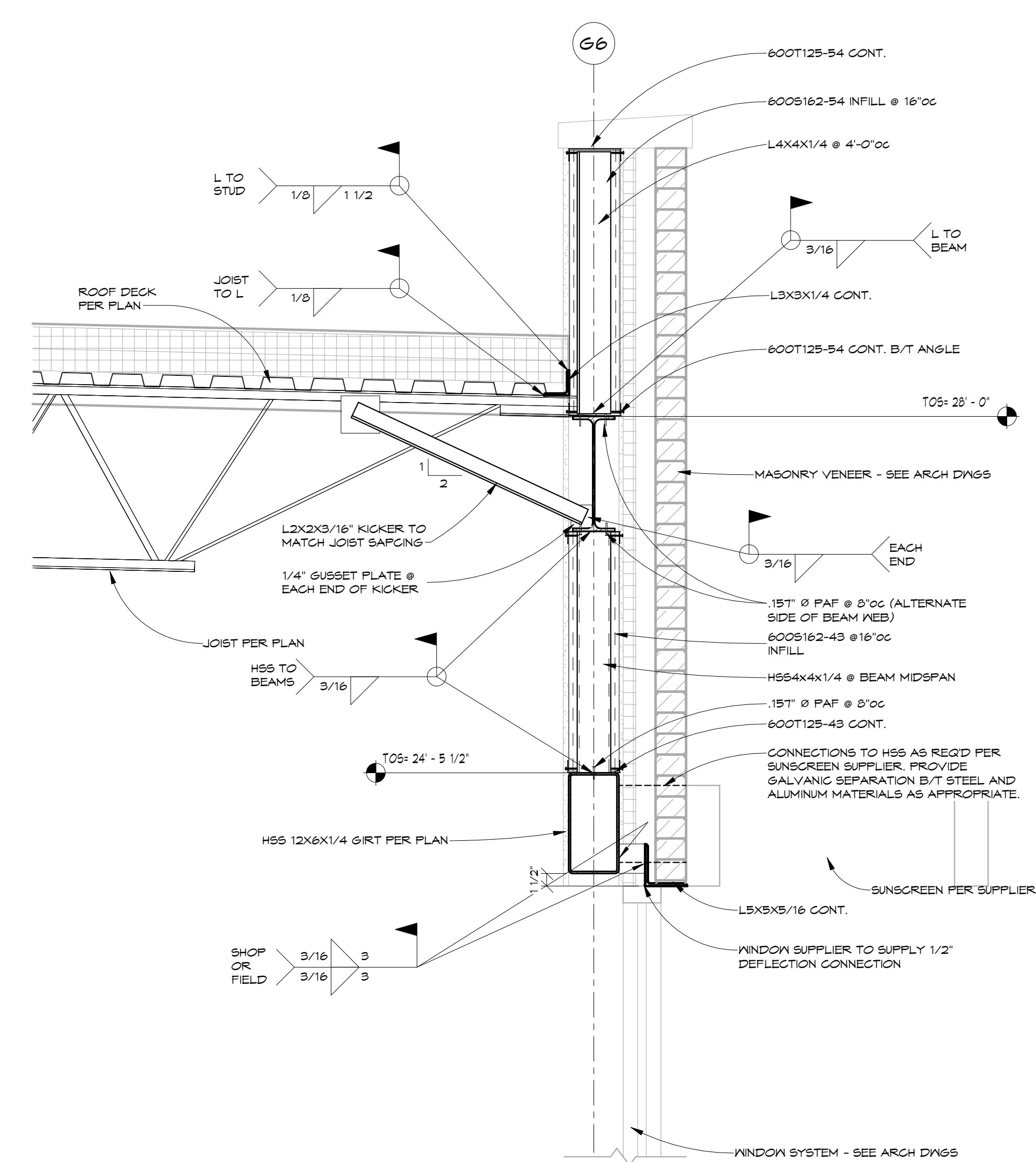
2 CATWALK CONNECTION @ AUDITORIUM.
1" = 1'-0"



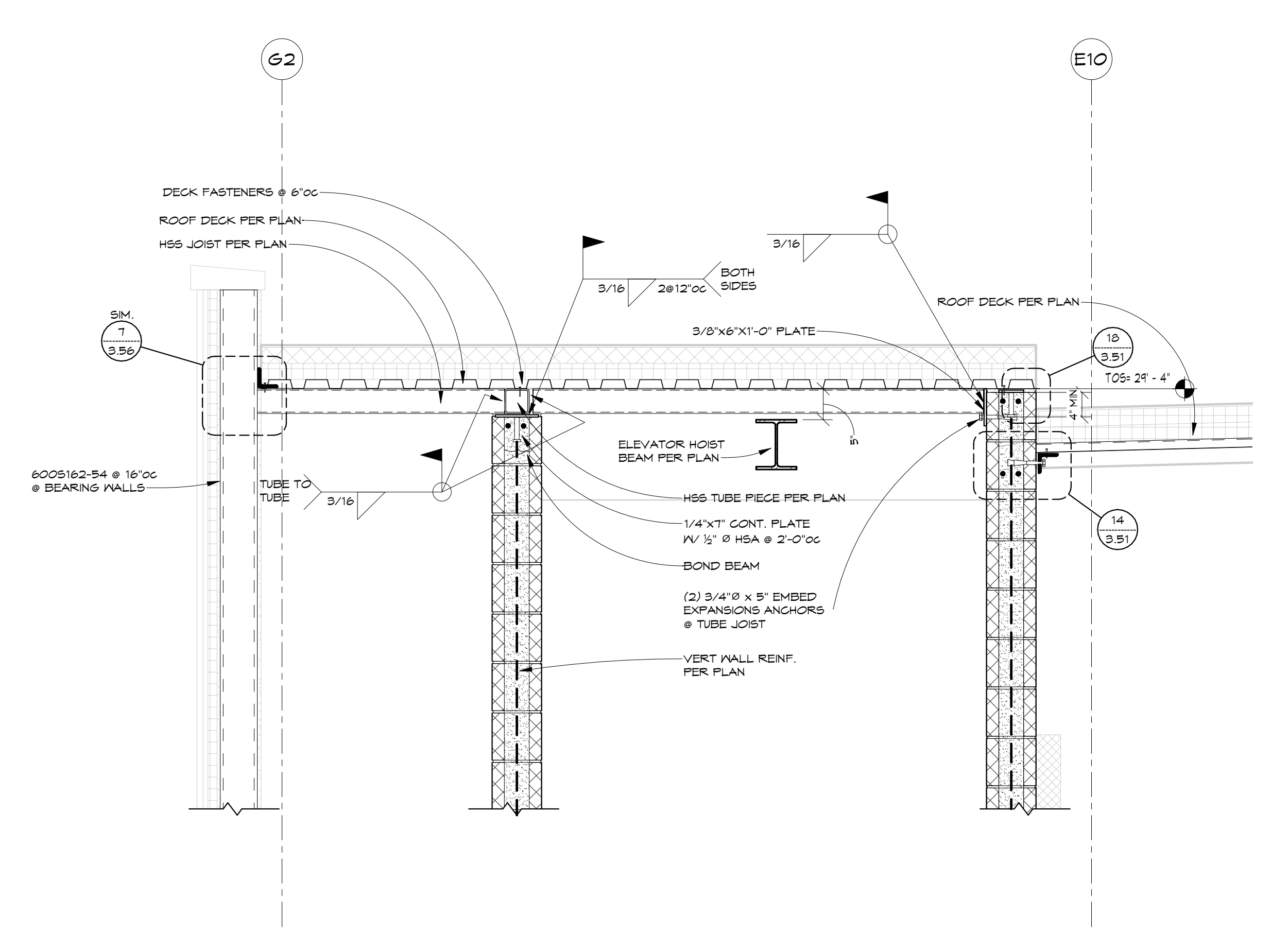
1 CORRIDOR FRAMING BY CANOPY
1" = 1'-0"



4 AREA E FIN WALL ROOF FRAMING
1" = 1'-0"

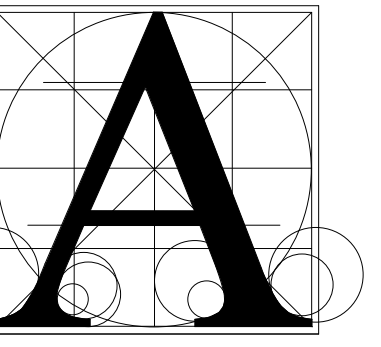


5 ADD ALT. CORNER CURTAIN WALL FRAMING DETAIL 1
1" = 1'-0"



6 AREA F ELEVATOR SHAFT FRAMING
3/4" = 1'-0"

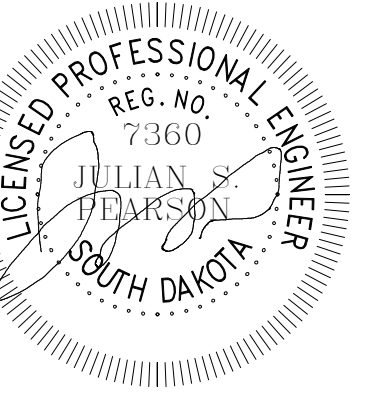
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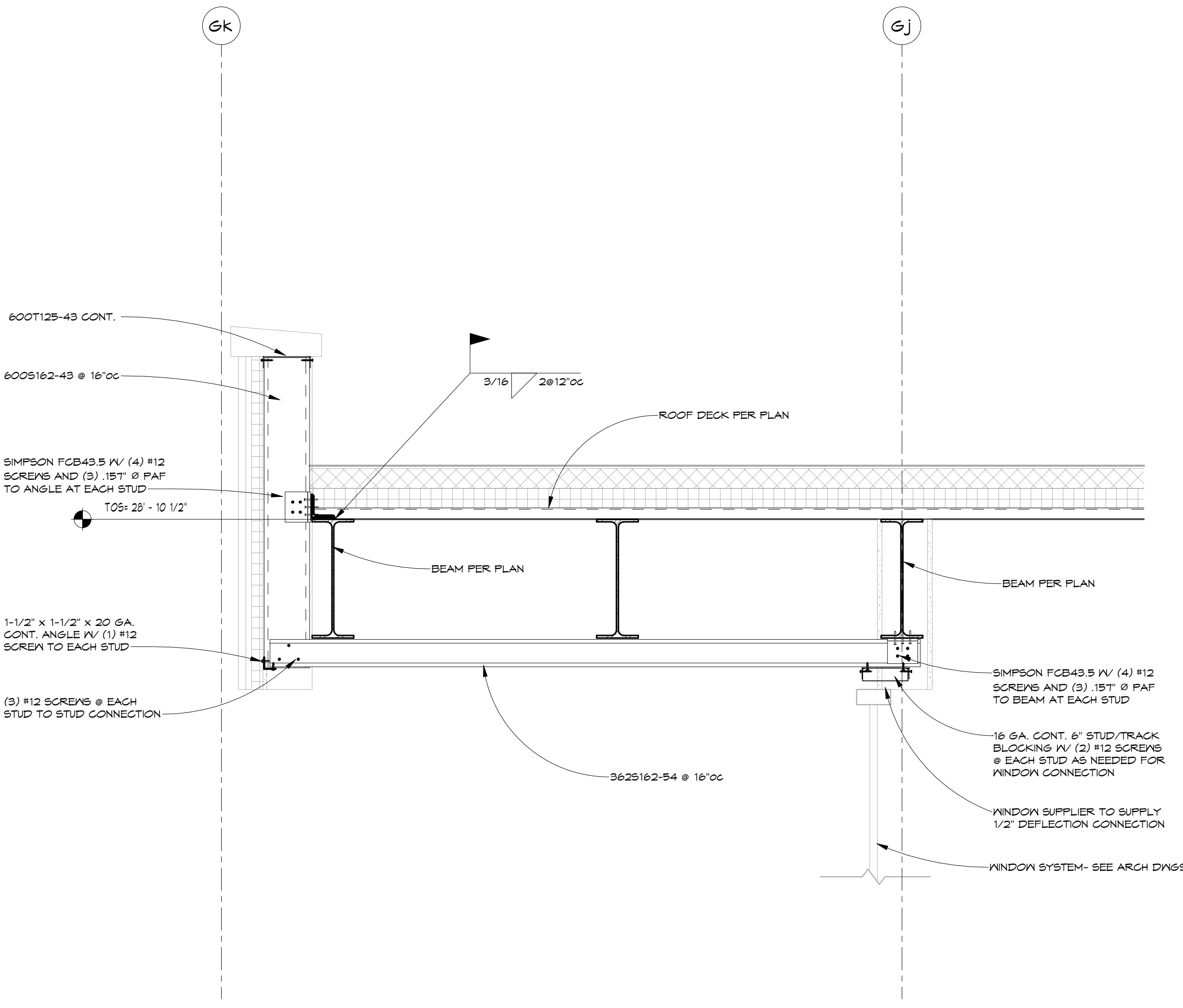
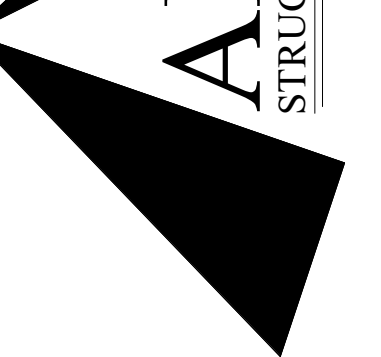
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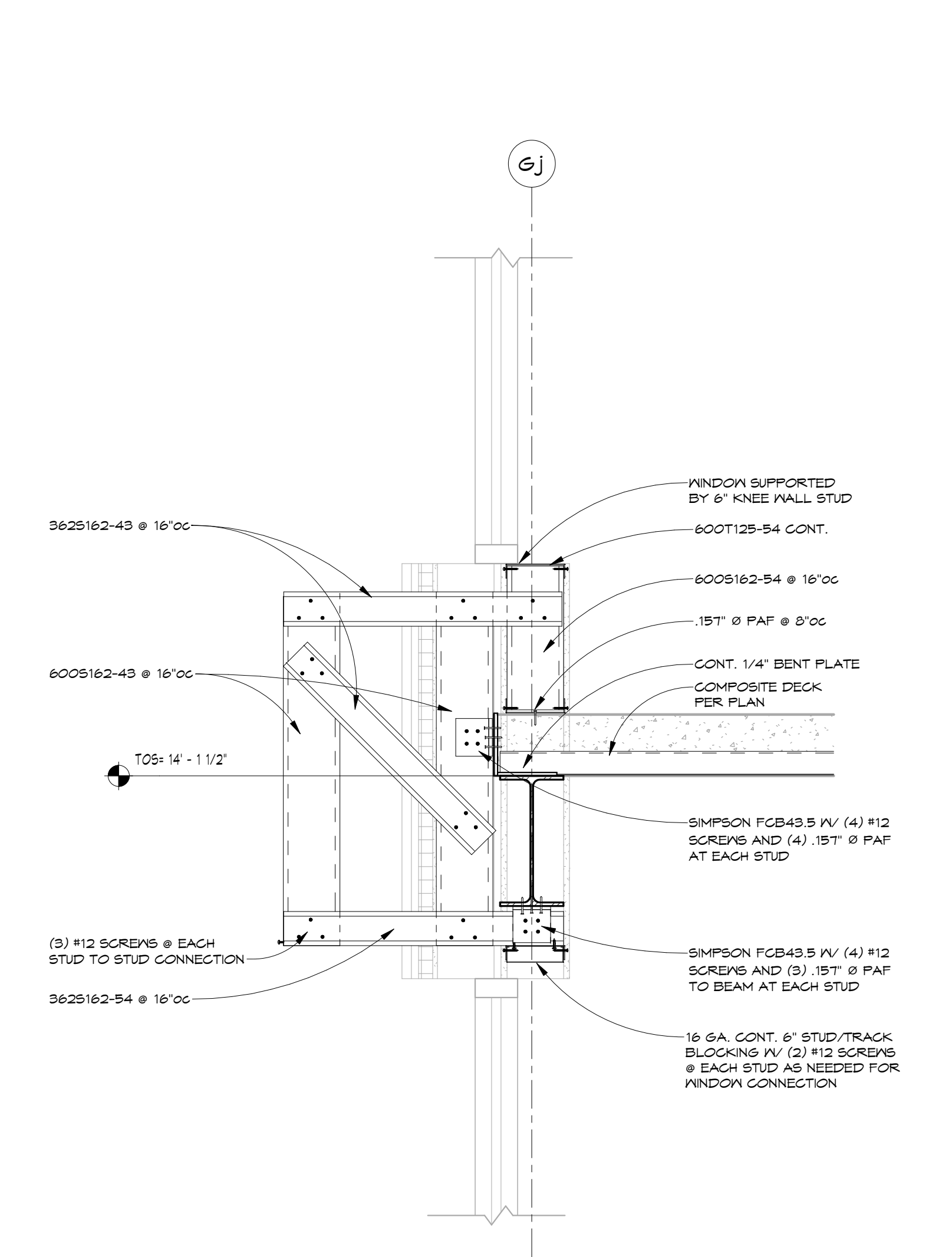
815 St Joseph Street, Suite 203
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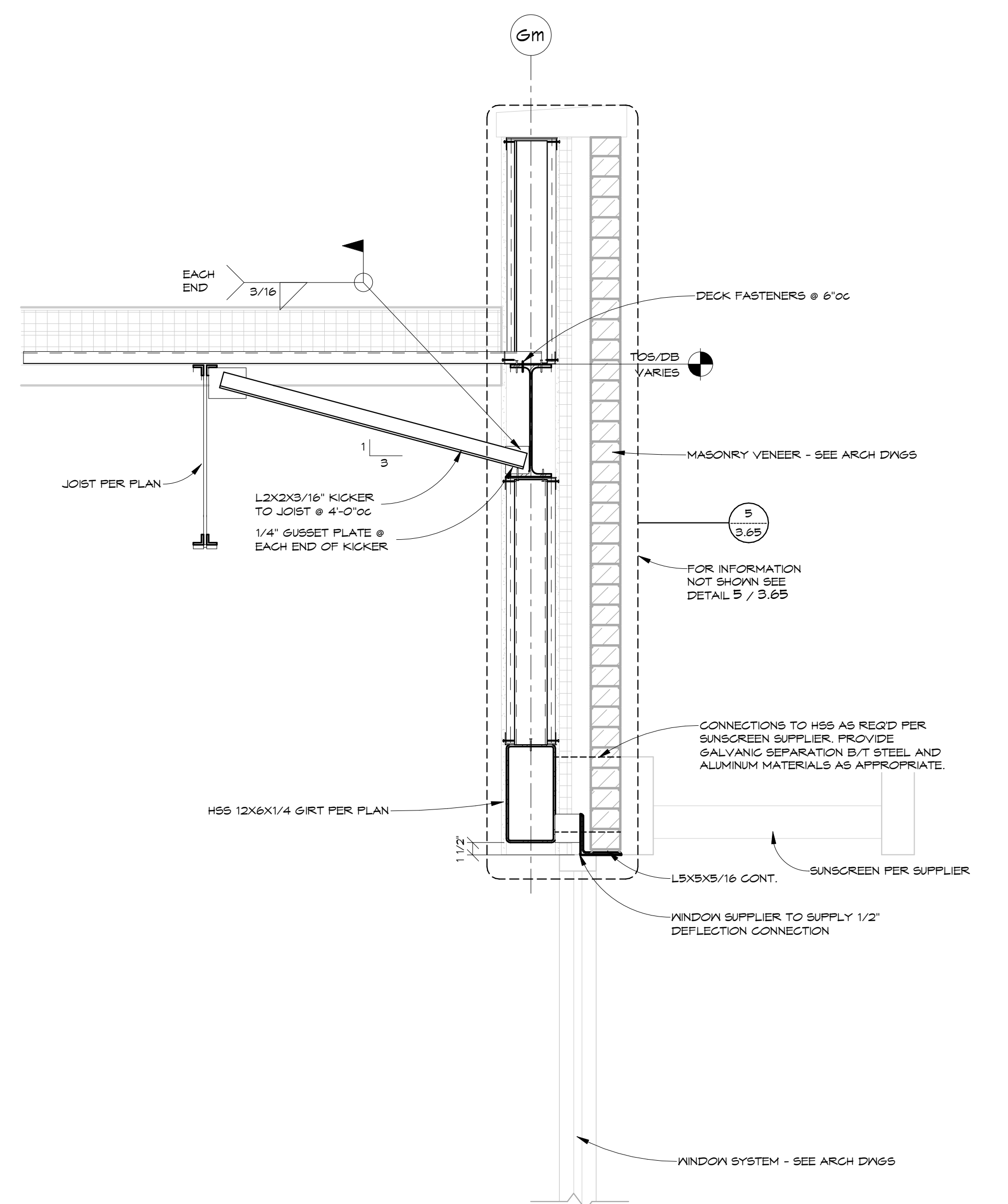
11/19/2021
515 South Cliff Ave., Ste 200
Sioux Falls, SD 57104
Phone: 605-335-4071
Fax: 605-332-2156
www.apexsf.net



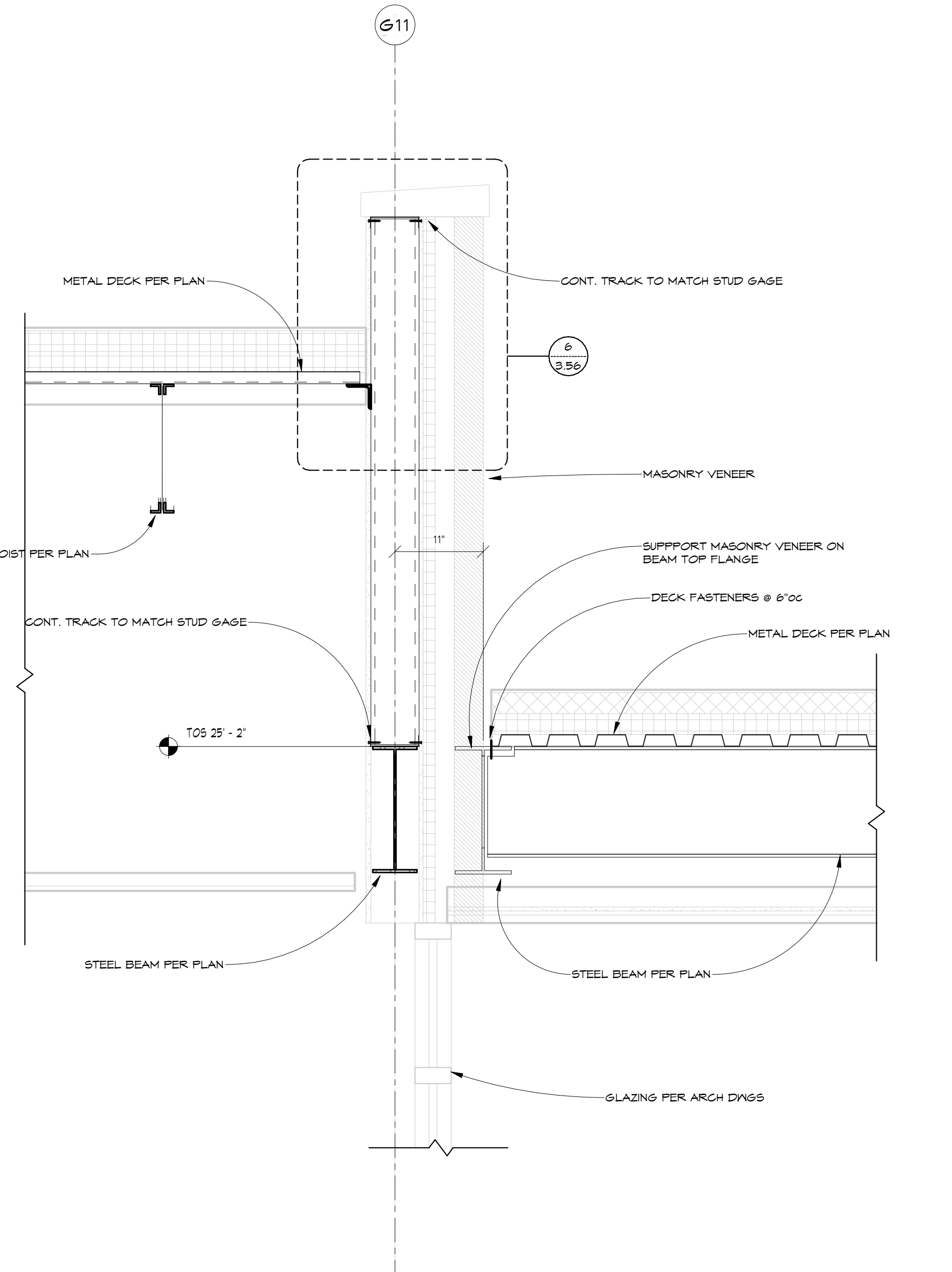
1 AREA 6 SOUTH END FIN WALL ROOF FRAMING
1" = 1'-0"



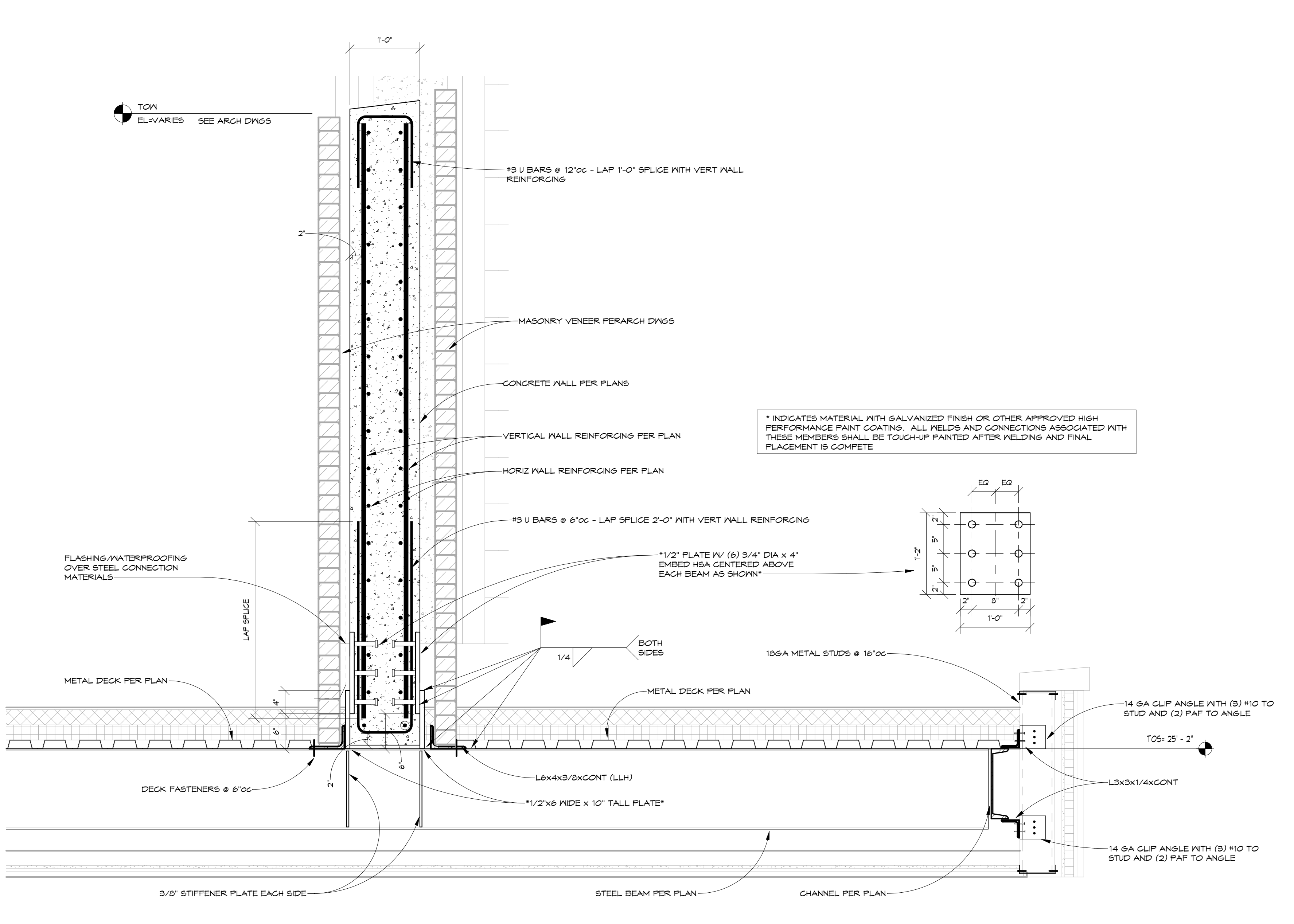
2 AREA 6 SOUTH END FIN WALL SECOND FLOOR FRAMING
1" = 1'-0"



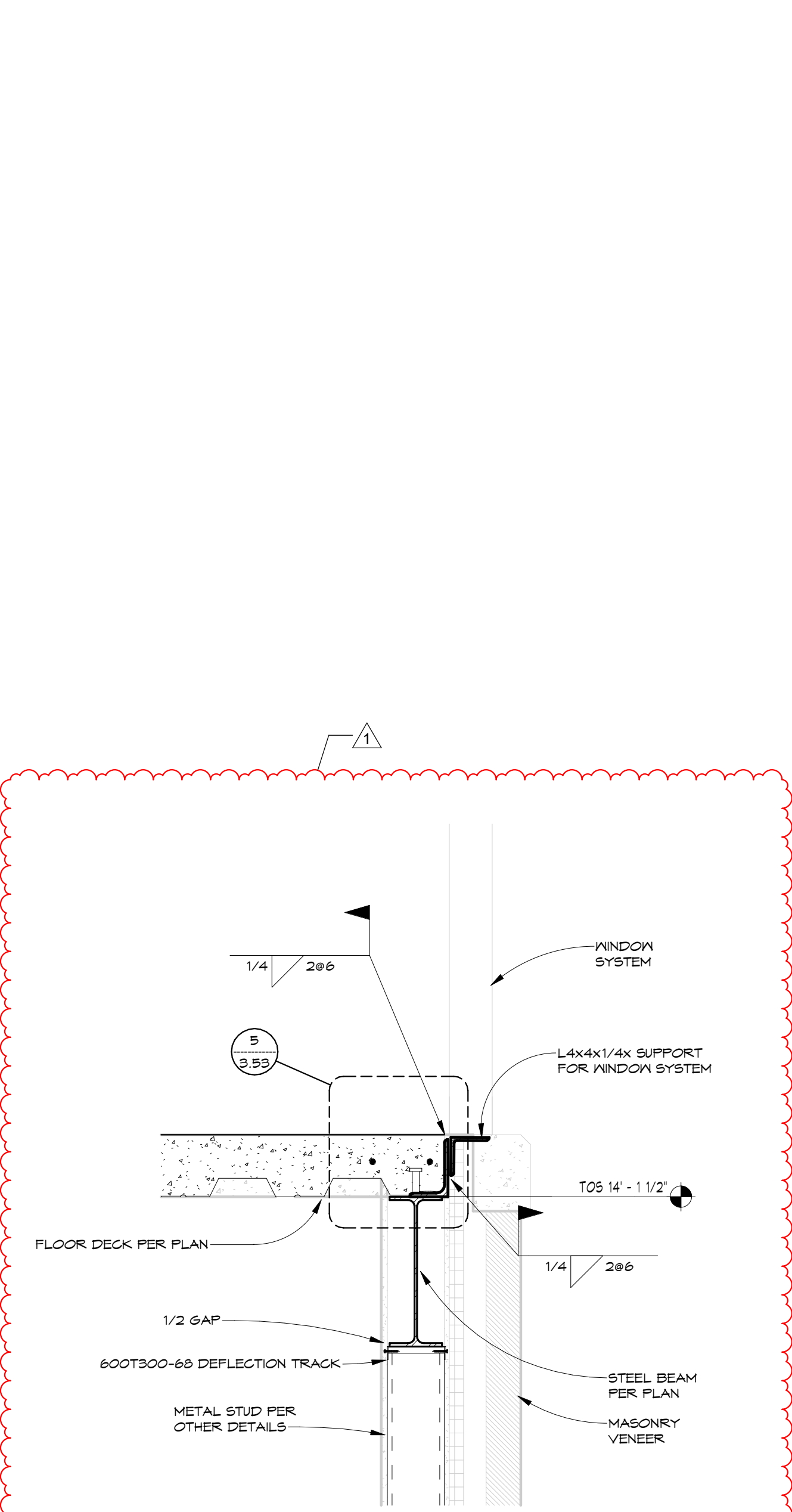
3 ADD ALT. CORNER CURTAIN WALL & SUNSCREEN
1" = 1'-0"



4 VEST 6200 ENTRANCE
1" = 1'-0"

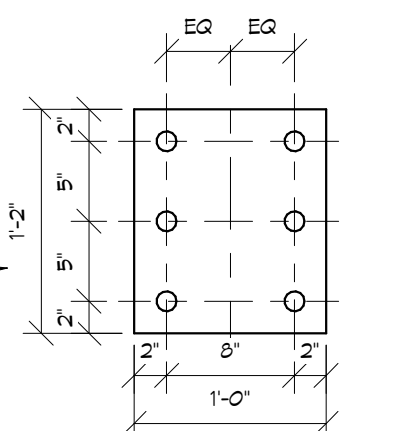


5 VEST 6200 CANOPY WALL OVERHANG
1" = 1'-0"



6 STOREFRONT SILL DETAIL
1" = 1'-0"

* INDICATES MATERIAL WITH GALVANIZED FINISH OR OTHER APPROVED HIGH PERFORMANCE PAINT COATINGS. ALL WELDS AND CONNECTIONS ASSOCIATED WITH THESE MEMBERS SHALL BE TOUCHUP PAINTED AFTER WELDING AND FINAL PLACEMENT IS COMPLETE



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BALTIC HIGH SCHOOL ADDITION
DETAILS - FRAMING

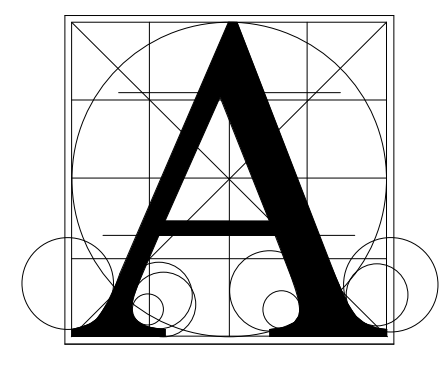
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3.66

GENERAL NOTES - DEMOLITION

A. GENERAL CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS AT THE JOB SITE. REPORT DISCREPANCIES TO THE ARCHITECT.

B. COORDINATE FLOOR SLAB AND CEILING DEMOLITION WITH MECHANICAL AND ELECTRICAL DRAWINGS. GENERAL CONTRACTOR SHALL REMOVE FLOOR SLABS AND CEILINGS AS REQUIRED TO ALLOW FOR INSTALLATION OF NEW MECHANICAL AND ELECTRICAL SYSTEMS. PATCH CONCRETE SLABS AND CEILINGS BACK TO MATCH ADJACENT FINISHES.



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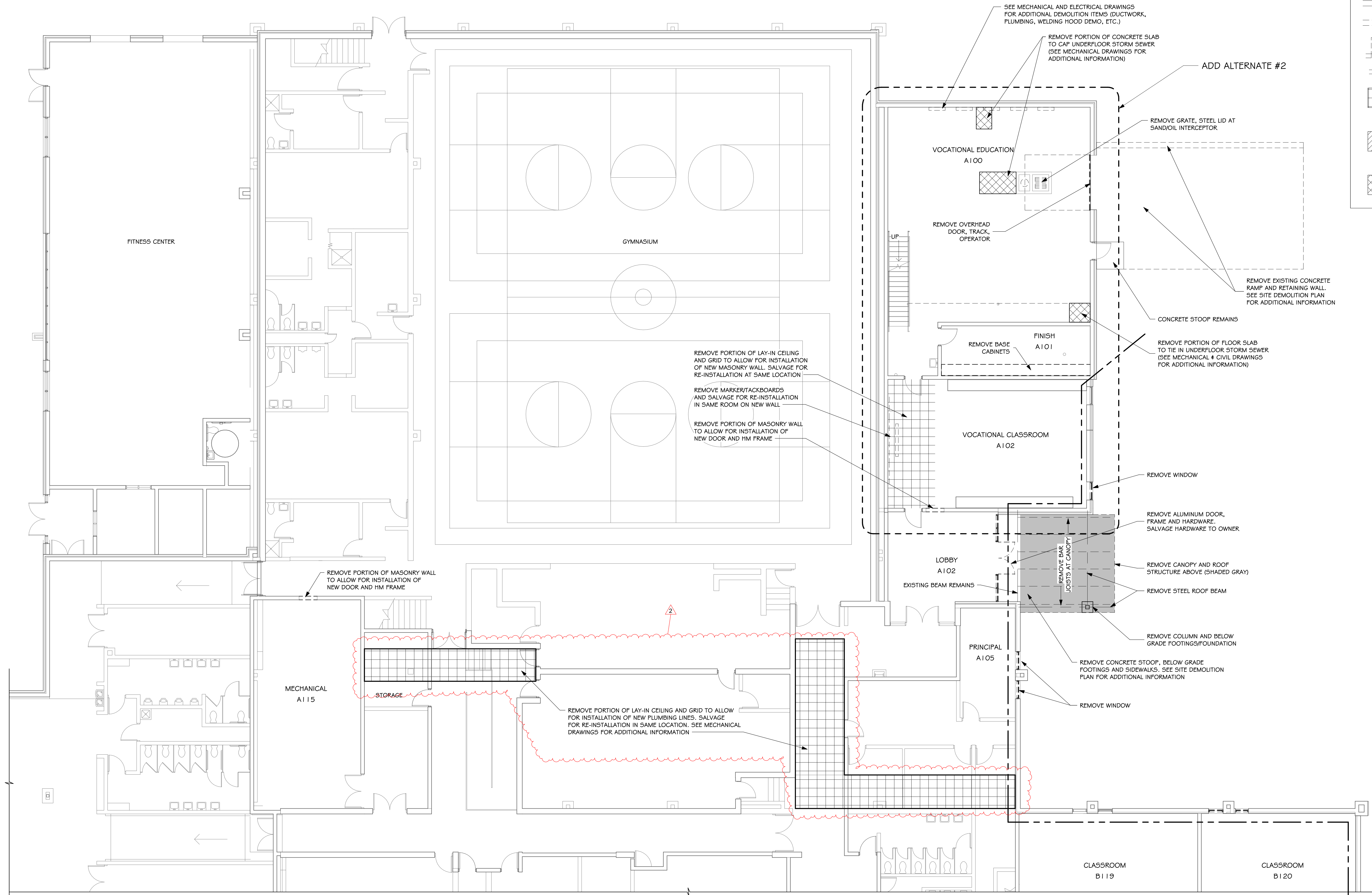
415 South Main Avenue
P.O. Box 2140
Sioux Falls, South Dakota 57101
Phone: (605) 339-1711

815 St. Joseph Street, Suite 203
P.O. Box 8047
Rapid City, South Dakota 57701
Phone: (605) 721-1158

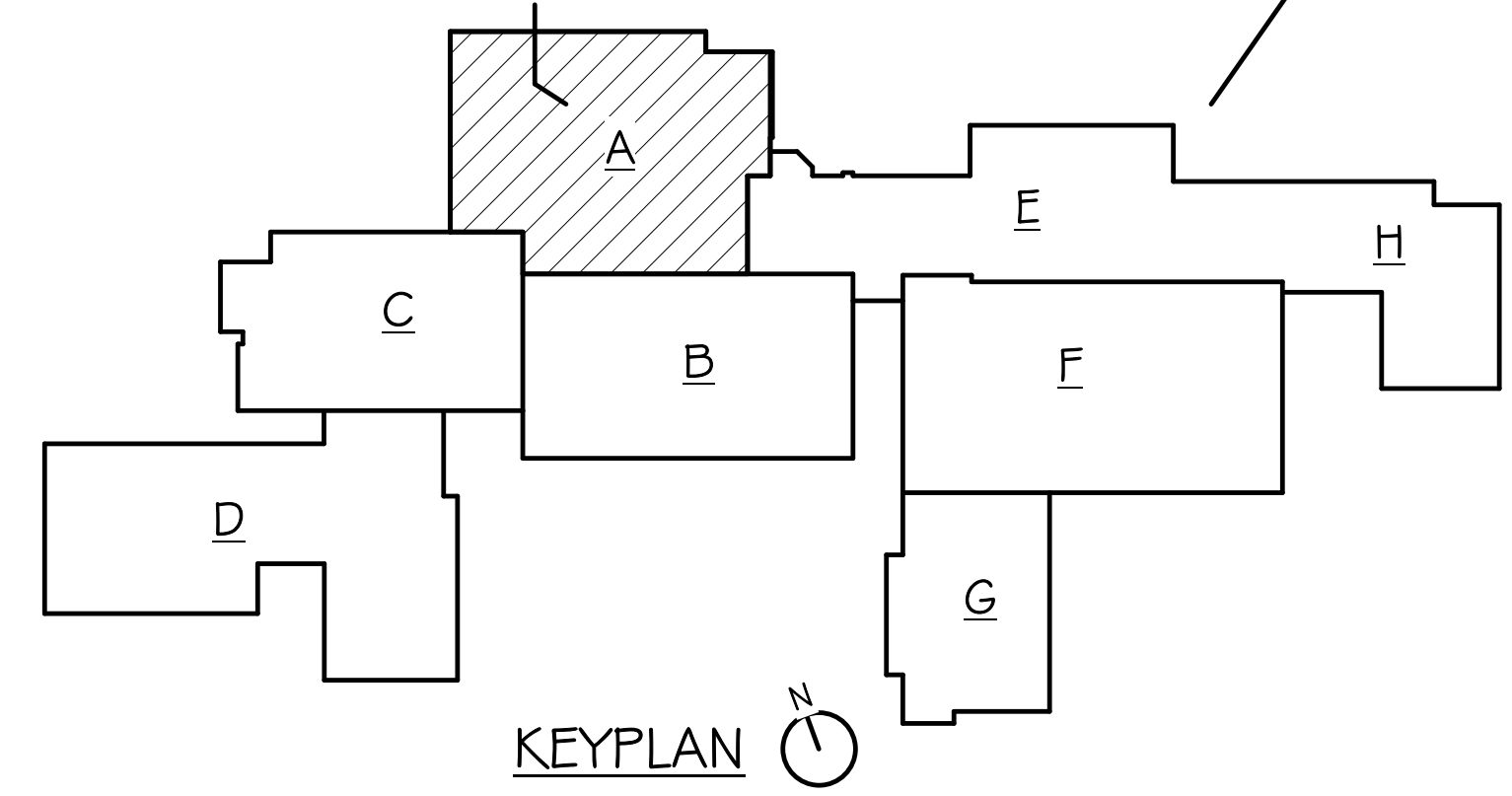


DEMOLITION LEGEND

	INDICATES EXISTING ITEMS TO REMAIN
	INDICATES DEMOLITION ITEMS
	INDICATES DOOR AND FRAME TO BE REMOVED
	INDICATES WINDOW TO BE REMOVED
	REMOVE EXISTING CEILING, OR PORTION OF CEILING, WHERE THIS HATCH IS INDICATED.
	REMOVE EXISTING FLOOR FINISH, OR PORTION OF FLOOR FINISH, AND ASSOCIATED BASE WHERE THIS HATCH IS INDICATED.
	REMOVE AND DISPOSE OF CONCRETE FLOOR SLAB WHERE THIS HATCH IS INDICATED.



FIRST FLOOR DEMOLITION PLAN - AREA A
SCALE: 1/8" = 1'-0"



BALTIC HIGH SCHOOL ADDITION
DEMOLITION FLOOR PLAN - AREA A

Project: _____
Sheet Contents: _____

number	0727.2957.21
date	DECEMBER 22, 2022
revision	
drawn	Author checked Checker
NO.	DATE DESCRIPTION
2	1/20/2023 ADDENDUM #2

4.00

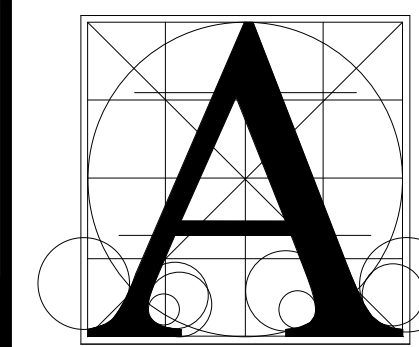
1/19/2023 1:18:40 PM

GENERAL NOTES - DEMOLITION

- A. GENERAL CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS AT THE JOB SITE. REPORT DISCREPANCIES TO THE ARCHITECT.
- B. COORDINATE FLOOR SLAB AND CEILING DEMOLITION WITH MECHANICAL AND ELECTRICAL DRAWINGS. GENERAL CONTRACTOR SHALL REMOVE FLOOR SLABS AND CEILINGS AS REQUIRED TO ALLOW FOR INSTALLATION OF NEW MECHANICAL AND ELECTRICAL SYSTEMS. PATCH CONCRETE SLABS AND CEILINGS BACK TO MATCH ADJACENT FINISHES.

DEMOLITION LEGEND

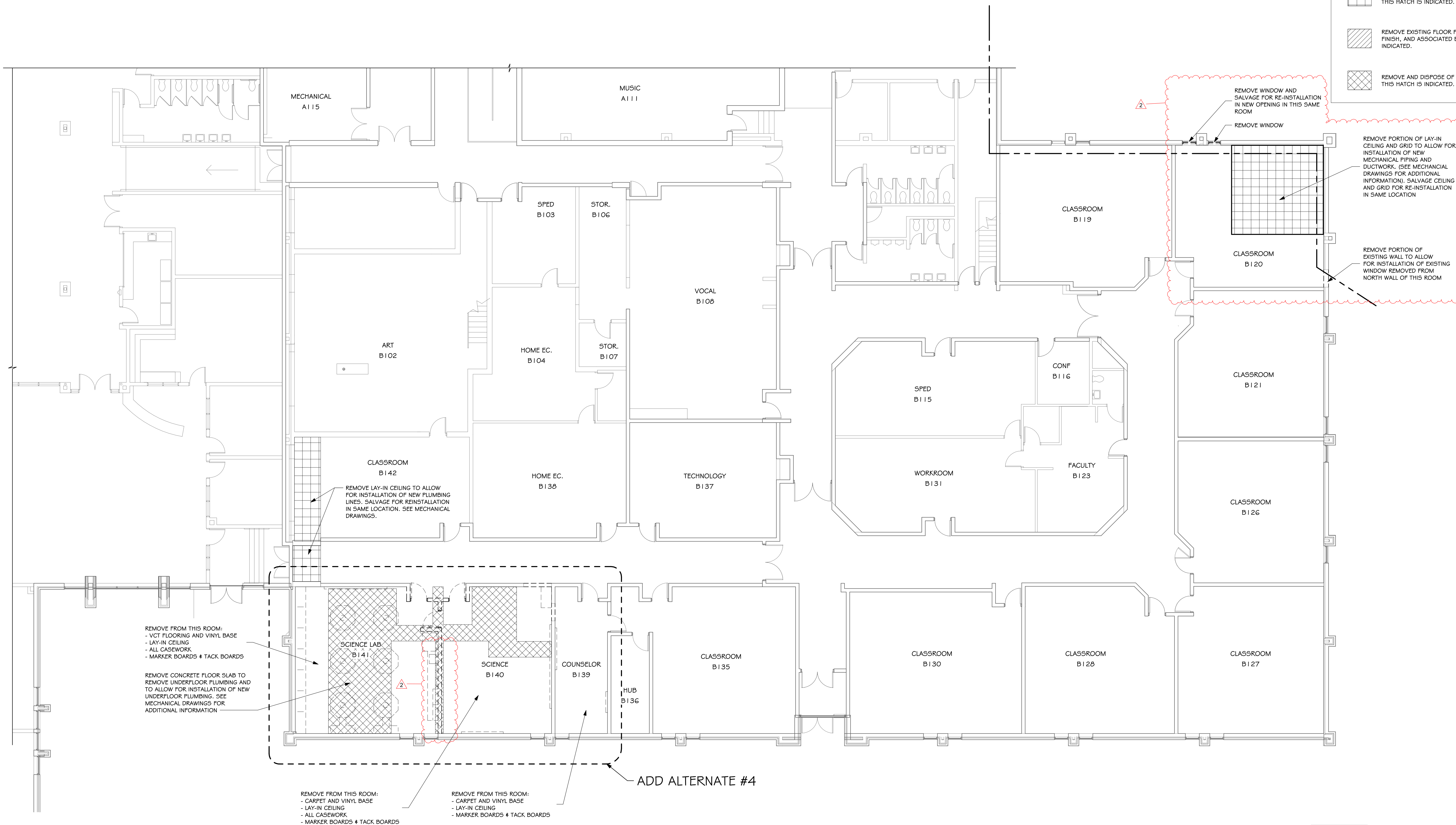
- INDICATES EXISTING ITEMS TO REMAIN
- INDICATES DEMOLITION ITEMS
- INDICATES DOOR AND FRAME TO BE REMOVED
- INDICATES WINDOW TO BE REMOVED
- REMOVE EXISTING CEILING, OR PORTION OF CEILING, WHERE THIS HATCH IS INDICATED.
- REMOVE EXISTING FLOOR FINISH, OR PORTION OF FLOOR FINISH, AND ASSOCIATED BASE WHERE THIS HATCH IS INDICATED.
- REMOVE AND DISPOSE OF CONCRETE FLOOR SLAB WHERE THIS HATCH IS INDICATED.



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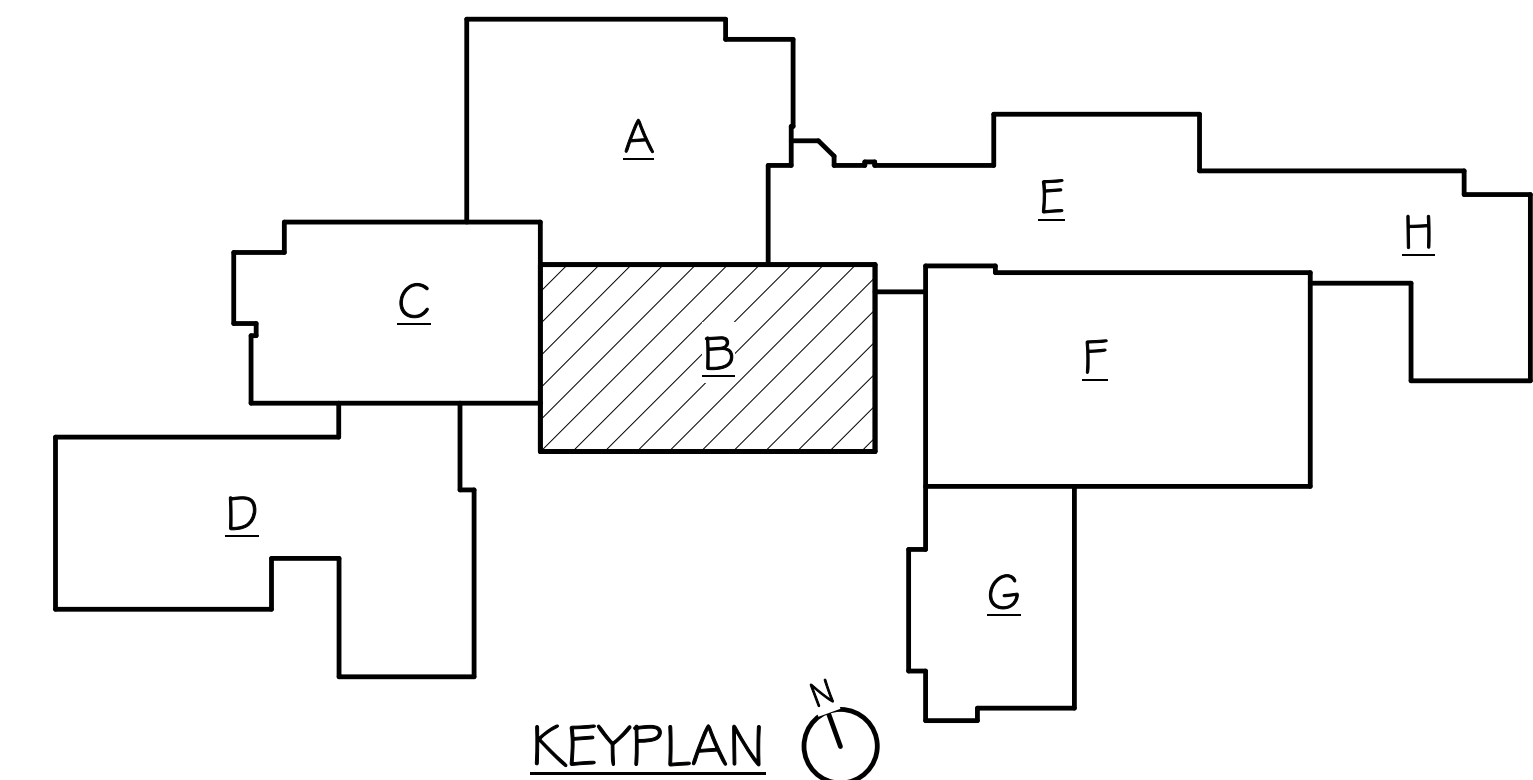
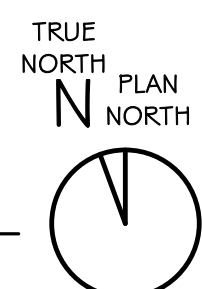
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FIRST FLOOR - DEMOLITION PLAN - AREA B

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



BALTIC HIGH SCHOOL ADDITION
DEMOLITION FLOOR PLAN - AREA B

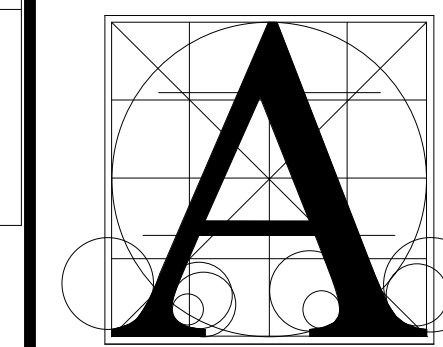
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Sheet Contents	date	DECEMBER 22, 2022
	revision	
	drawn	Author checked Checker
	NO.	DATE DESCRIPTION
	2	1/20/2023 ADDENDUM #2

4.01

1/19/2023 1:18:44 PM

GENERAL NOTES - FLOOR PLAN

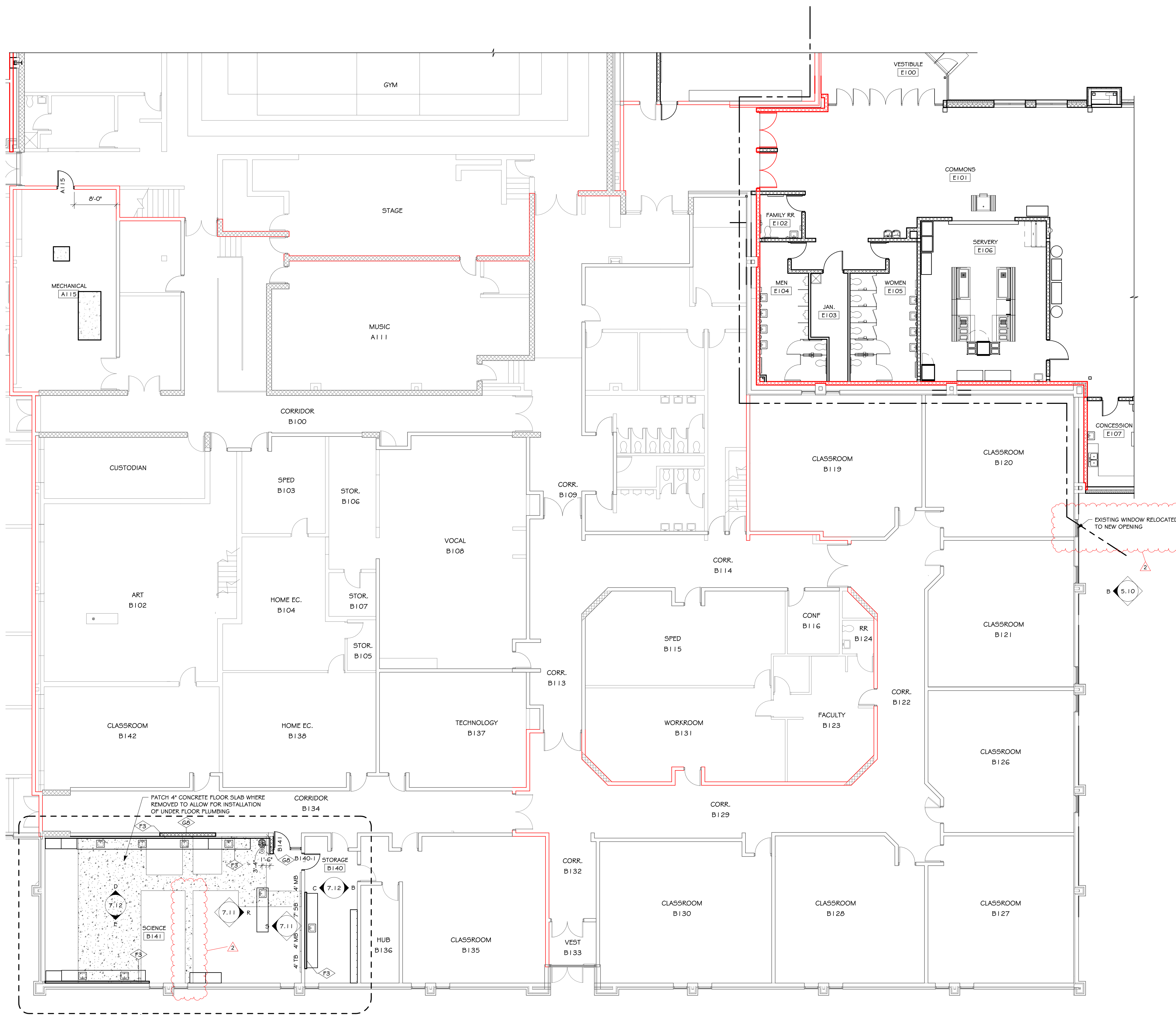
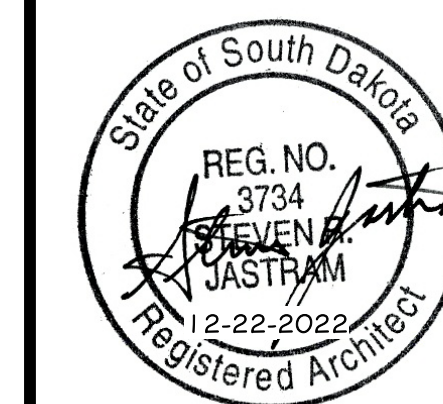
- A. GENERAL CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS AT THE JOB SITE. REPORT DISCREPANCIES TO THE ARCHITECT.
- B. REFER TO SHEET J.10 FOR WALL TYPES.
- C. WHERE WALLS WERE REMOVED, PATCH EXISTING WALL TO MATCH ADJACENT SURFACE AND FINISH. (TYPICAL).



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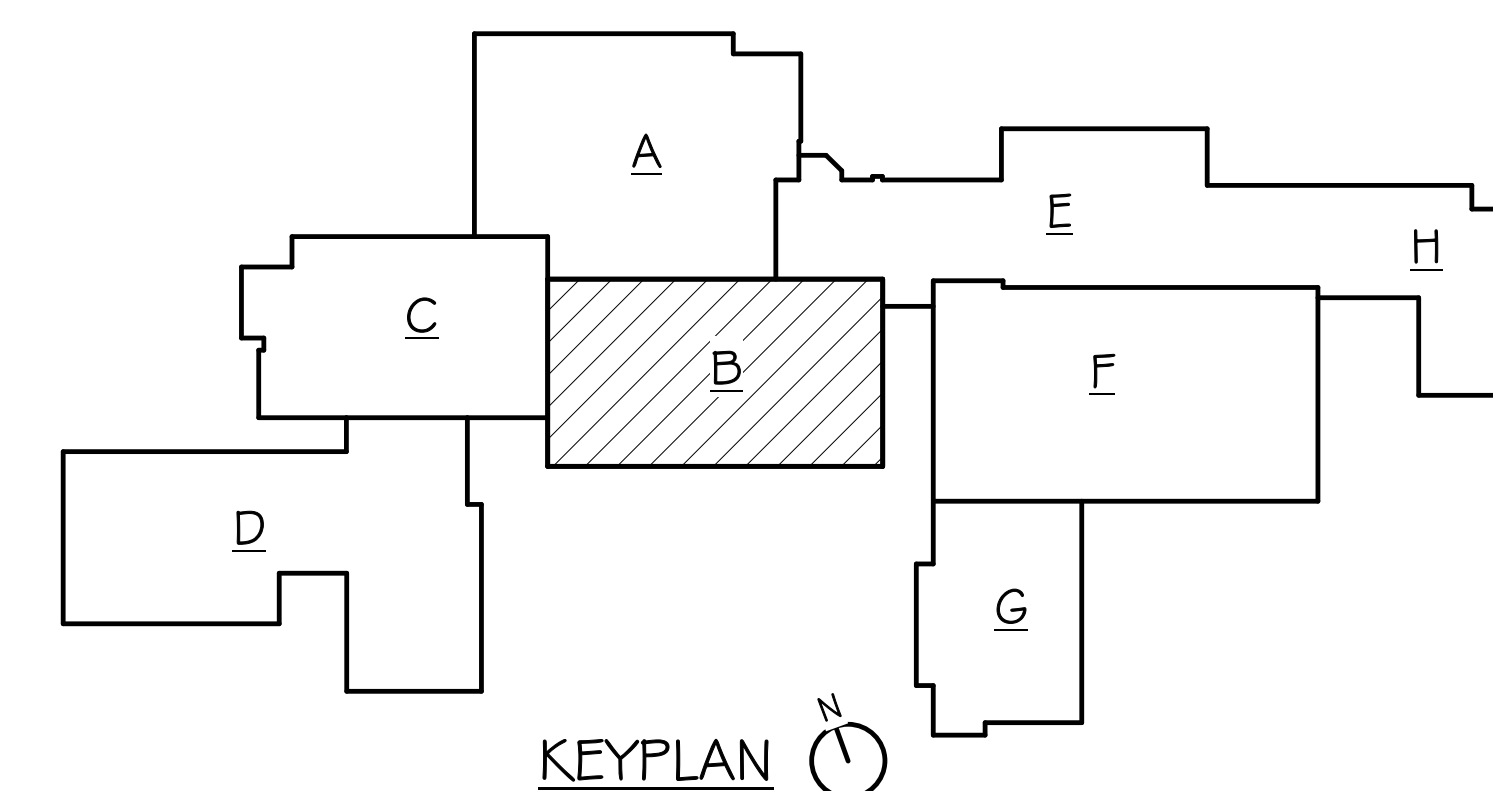
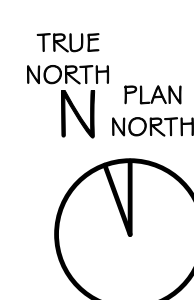
815 S. Joseph Street, Suite 203
P.O. Box 8047
Rapid City, South Dakota 57701
Phone: (605) 721-1158



ADD ALTERNATE #4

FIRST FLOOR PLAN - AREA B

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



KEYPLAN

BALTIC HIGH SCHOOL ADDITION
FIRST FLOOR PLAN - AREA B

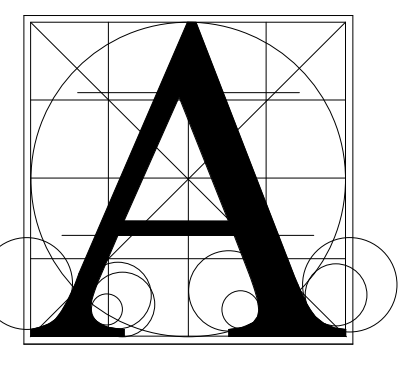
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date	DECEMBER 22, 2022	
revision		
drawn	Author	checked SRJ
NO.	DATE	DESCRIPTION
2	1/20/2023	ADDENDUM #2

4.10-1B

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GENERAL NOTES - FLOOR PLAN

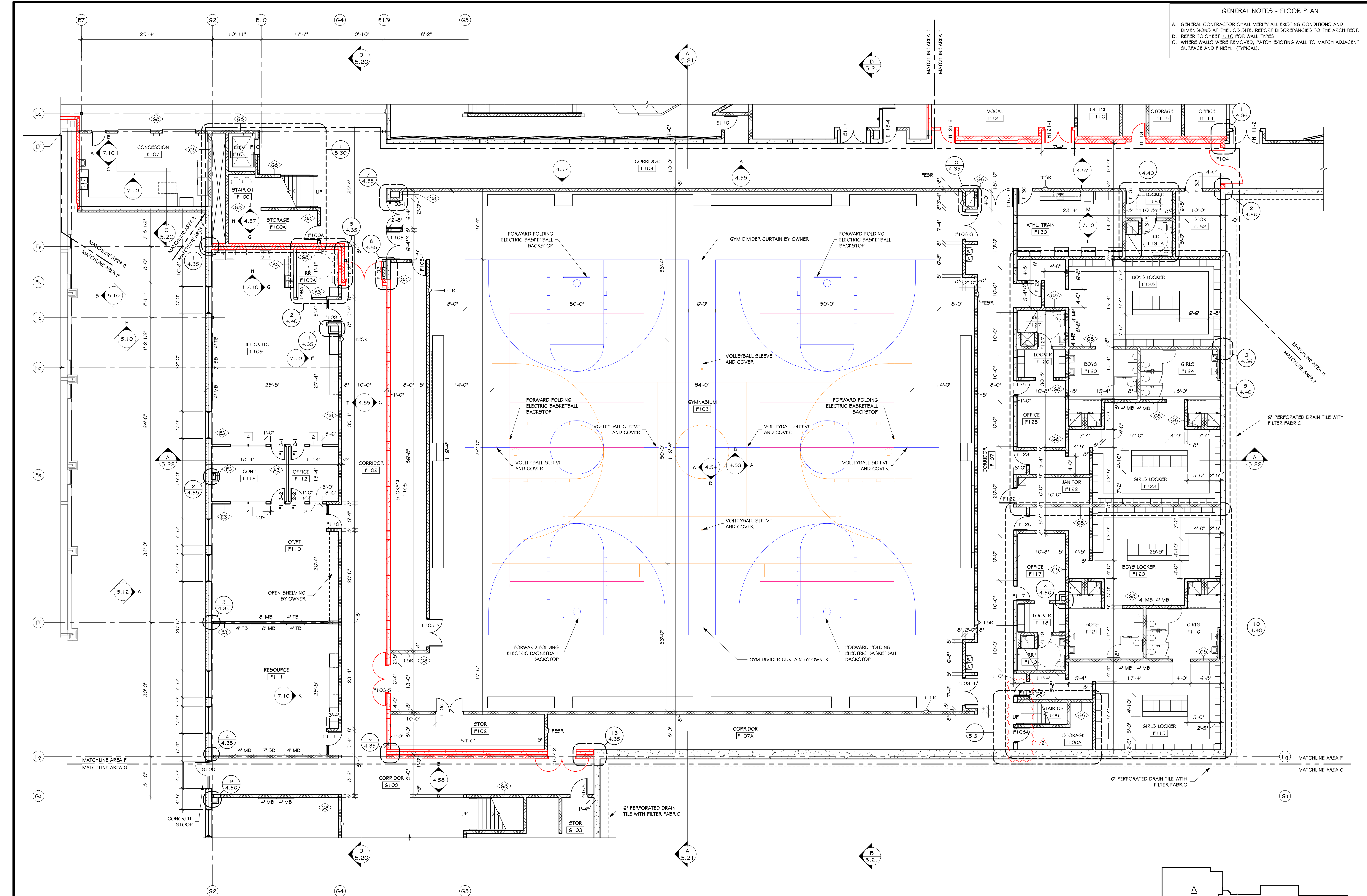
- A. GENERAL CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS AT THE JOB SITE. REPORT DISCREPANCIES TO THE ARCHITECT.
- B. REFER TO SHEET 1.10 FOR WALL TYPES.
- C. WHERE WALLS WERE REMOVED, PATCH EXISTING WALL TO MATCH ADJACENT SURFACE AND FINISH. (TYPICAL).



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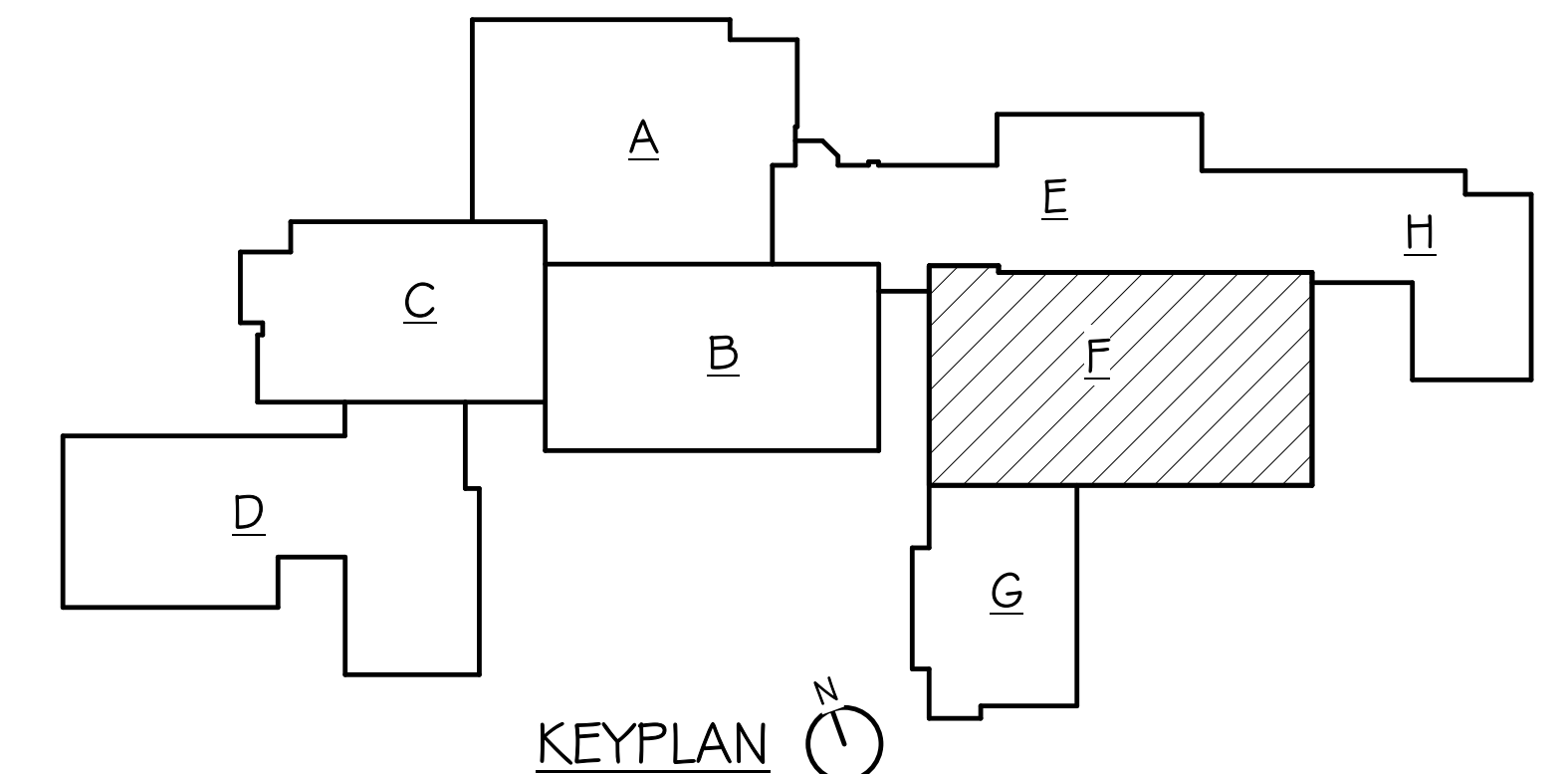
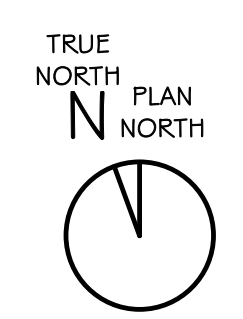
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FIRST FLOOR PLAN - AREA F

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



BALTIC HIGH SCHOOL ADDITION

FIRST FLOOR PLAN - AREA F

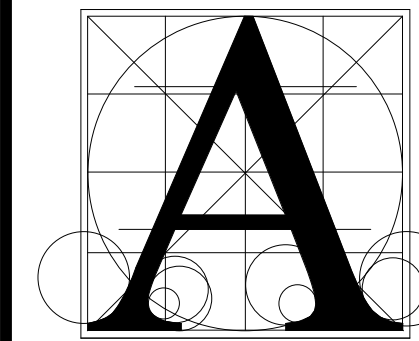
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date	DECEMBER 22, 2022
revision	
drawn	MS checked SKJ
NO.	DATE DESCRIPTION
2	1/20/2023 ADDENDUM #2

4.10-1F

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GENERAL NOTES - FLOOR PLAN

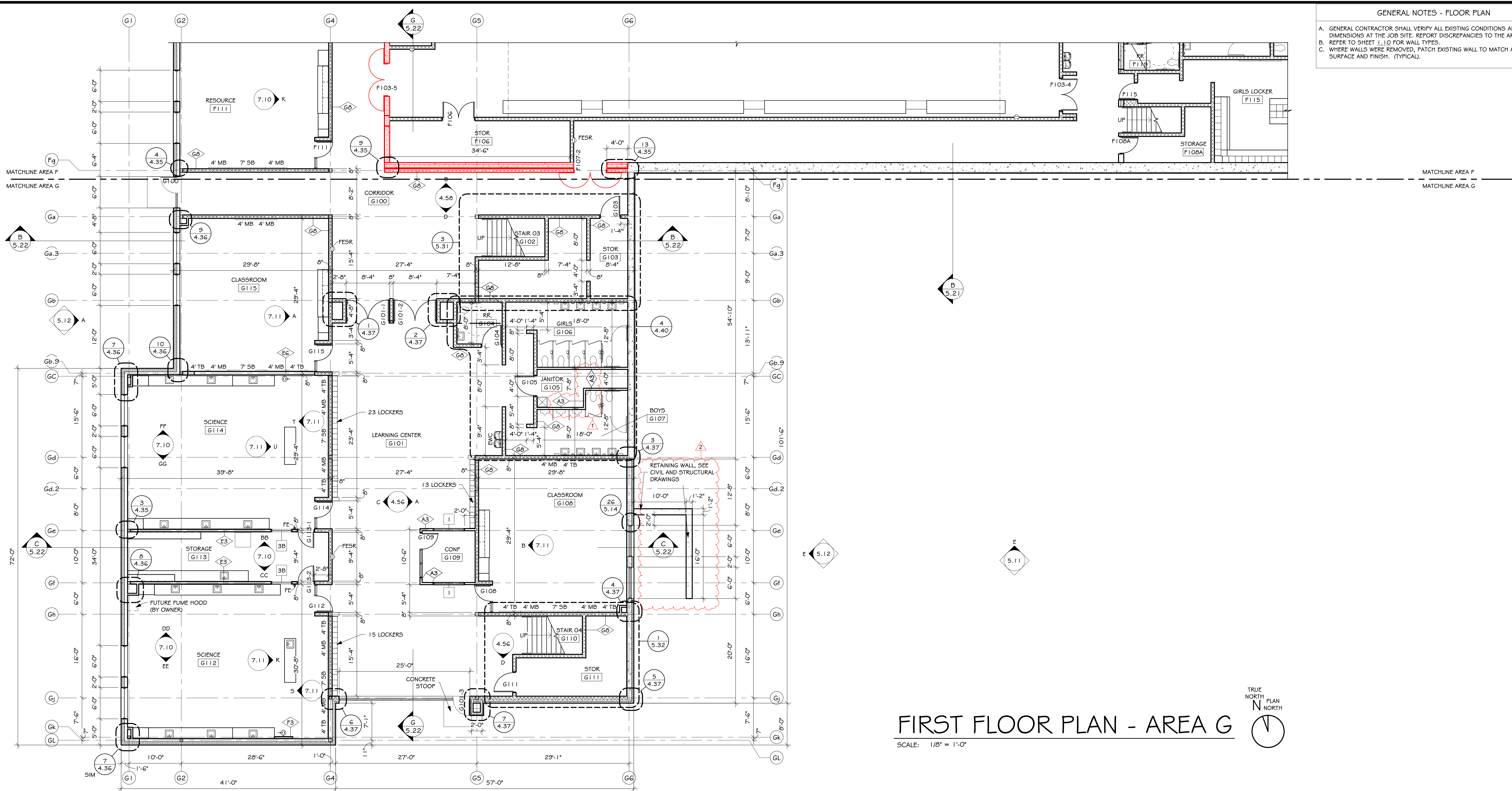
- A. GENERAL CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS AT THE JOB SITE. REPORT DISCREPANCIES TO THE ARCHITECT.
- B. REFER TO SHEET 1.10 FOR WALL TYPES.
- C. WHERE WALLS WERE REMOVED, PATCH EXISTING WALL TO MATCH ADJACENT SURFACE AND FINISH. (TYPICAL).



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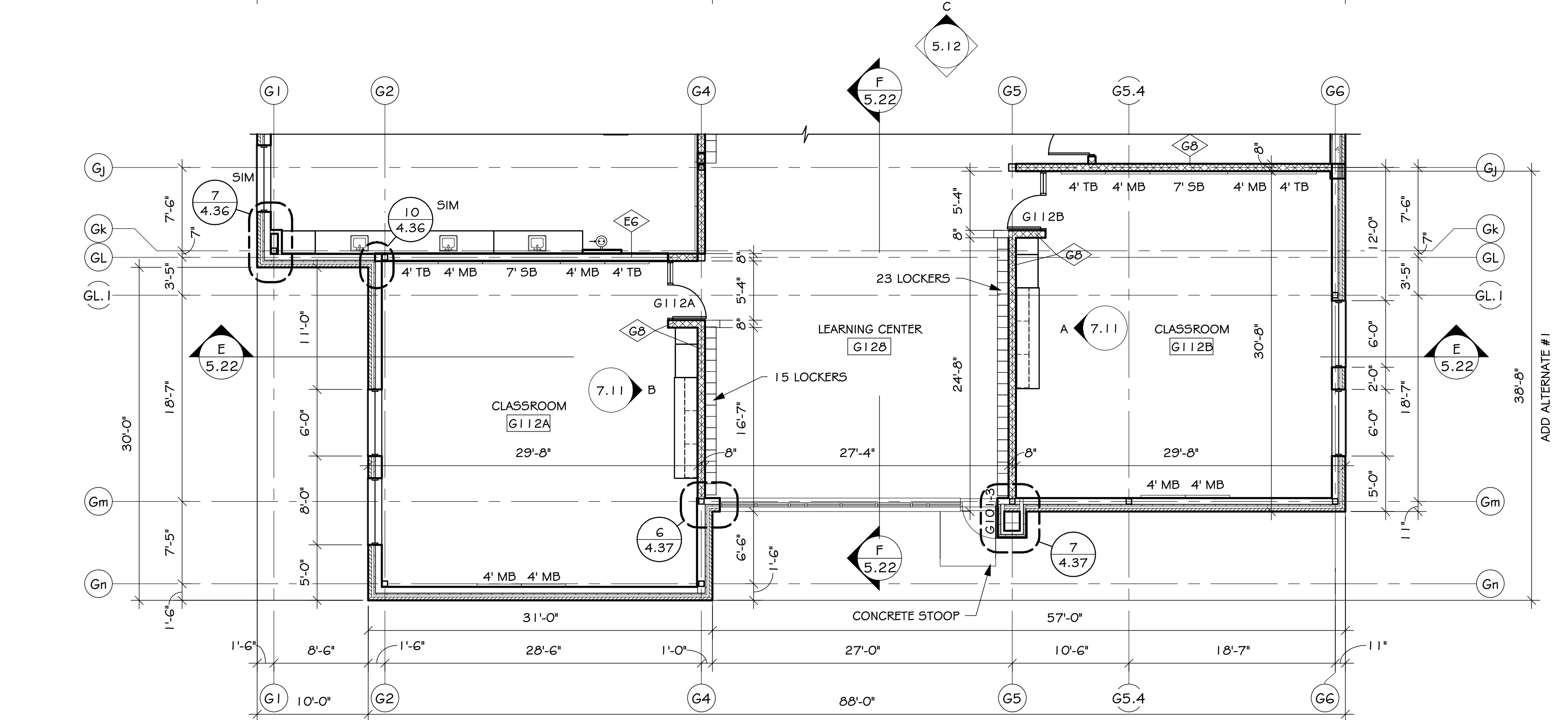
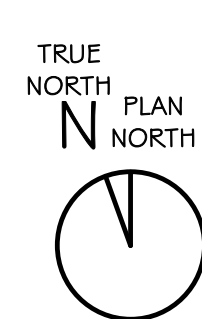
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Phone: (605) 339-1711

815 St. Joseph Street, Suite 203
P.O. Box 8047
Rapid City, South Dakota 57701
Phone: (605) 721-1158



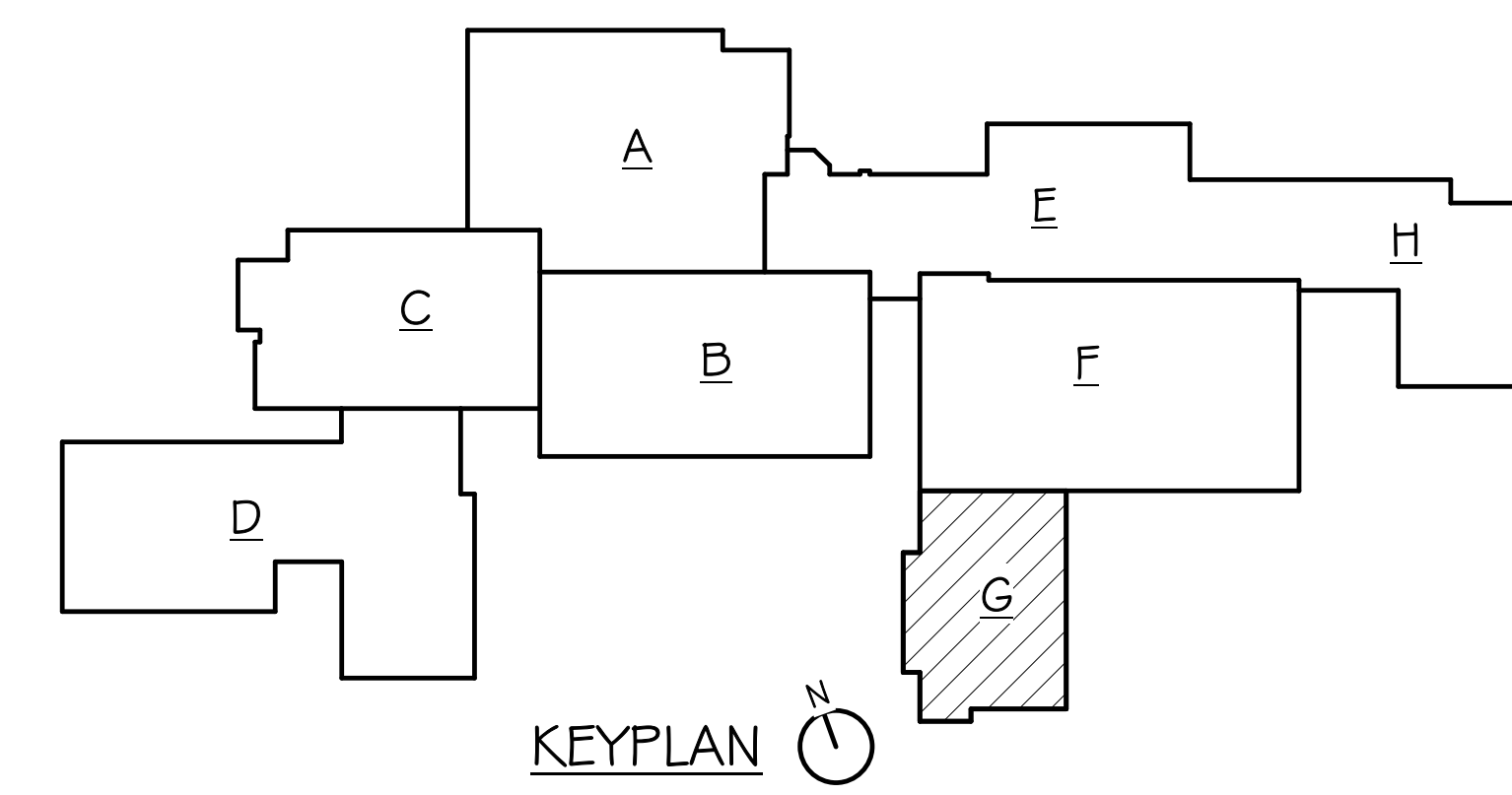
FIRST FLOOR PLAN - AREA G

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



FIRST FLOOR PLAN - AREA G - ADD ALTERNATE #1

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



KEYPLAN

BALTIC HIGH SCHOOL ADDITION

FIRST FLOOR PLAN - AREA G

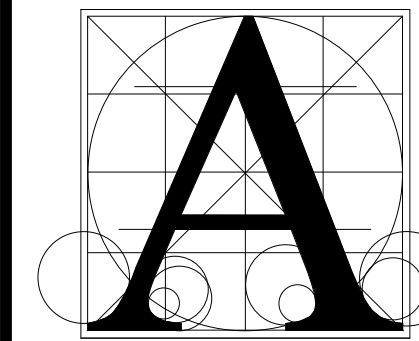
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date	DECEMBER 22, 2022	
revision		
drawn	MS checked SRJ	
NO.	DATE	DESCRIPTION
1	1/13/2023	ADDENDUM #1
2	1/20/2023	ADDENDUM #2

4.10-1G

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GENERAL NOTES - FLOOR PLAN

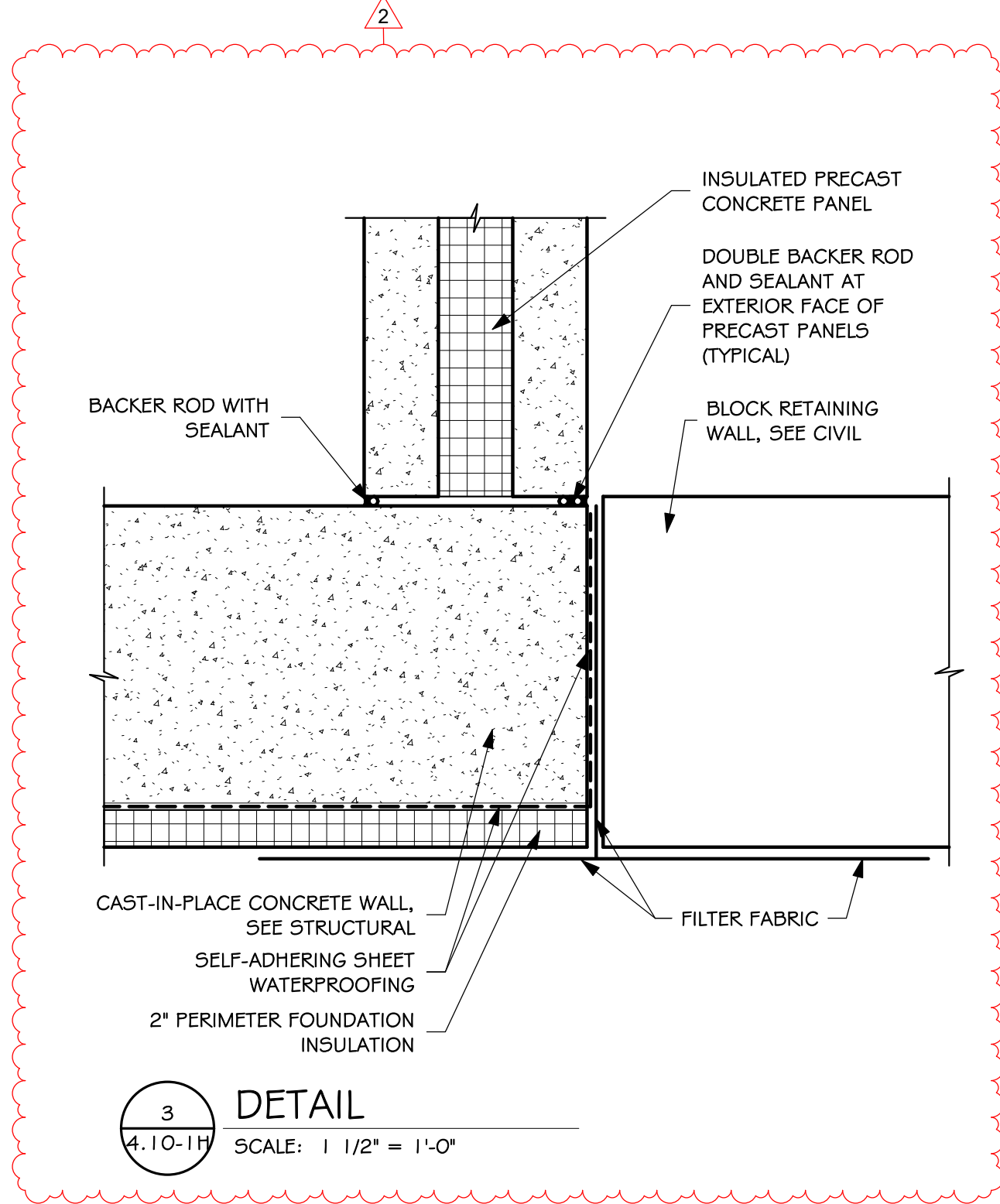
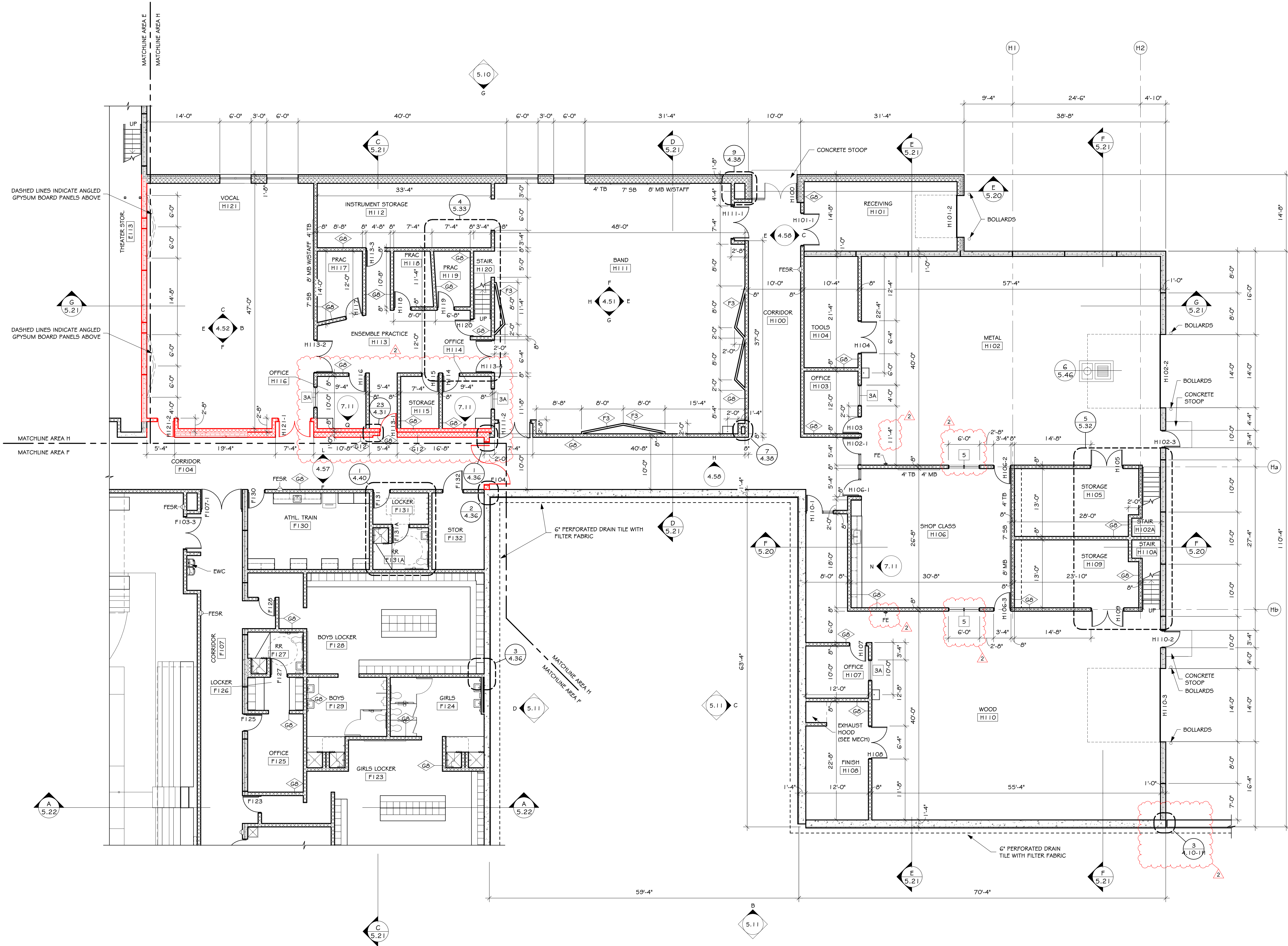
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- B. REFER TO SHEET 4.10 FOR WALL TYPES.
- C. WHERE WALLS WERE REMOVED, PATCH EXISTING WALL TO MATCH ADJACENT SURFACE AND FINISH. (TYPICAL).



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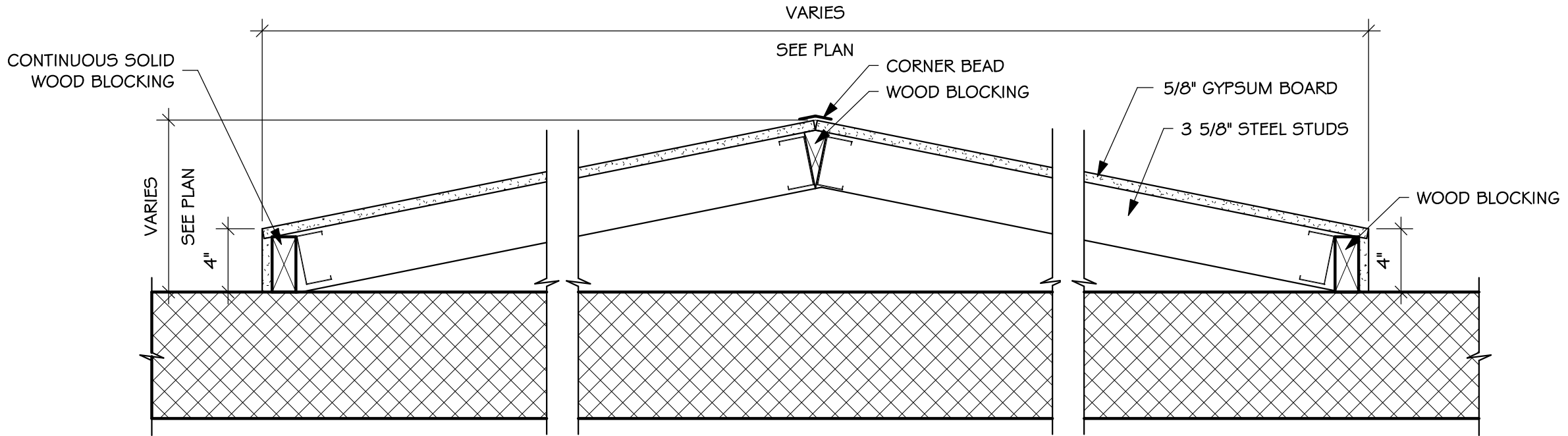
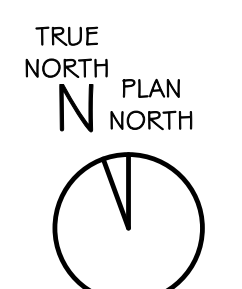
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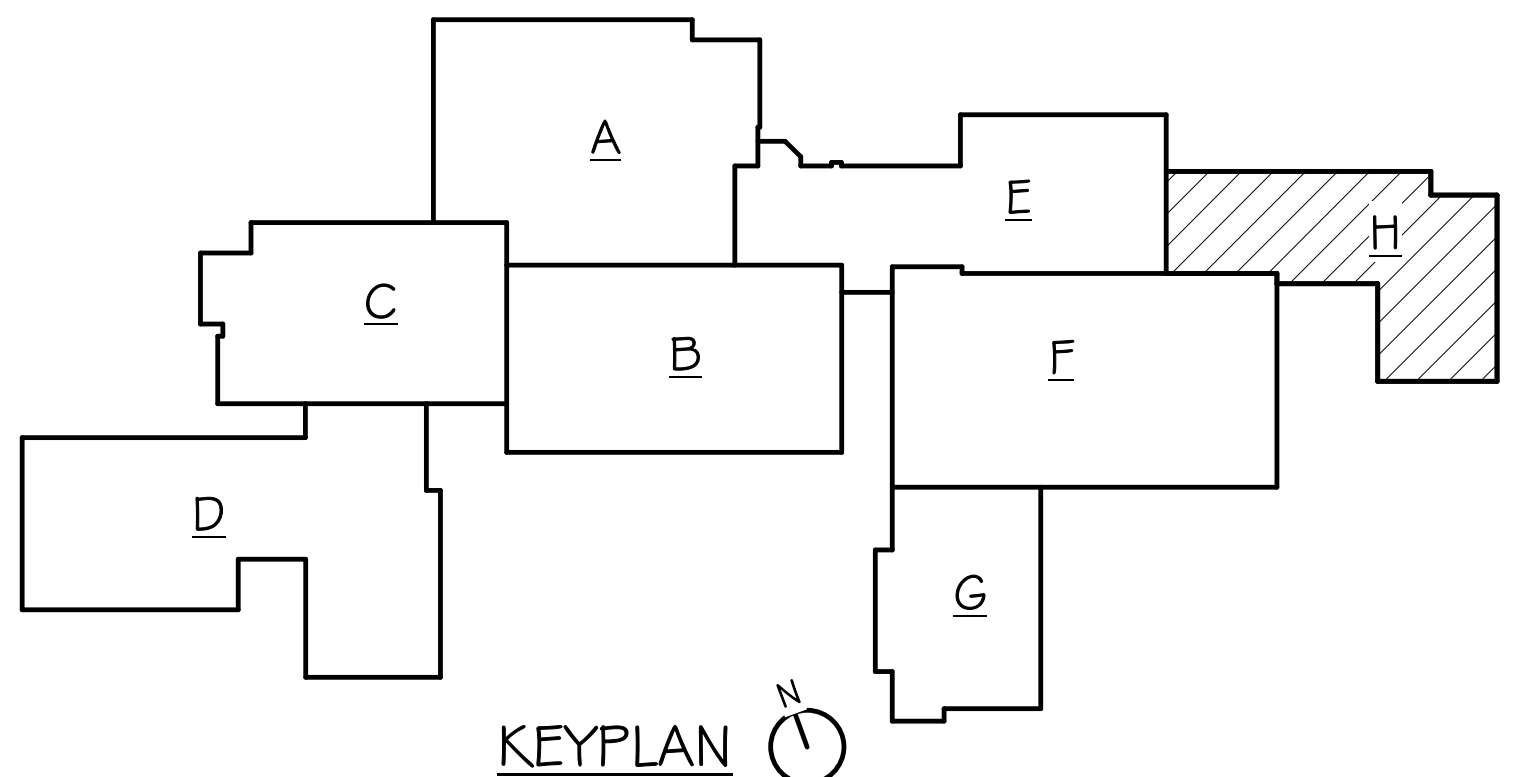
FIRST FLOOR PLAN - AREA H

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



2 GYPSUM BOARD PANEL DETAIL

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



KEYPLAN

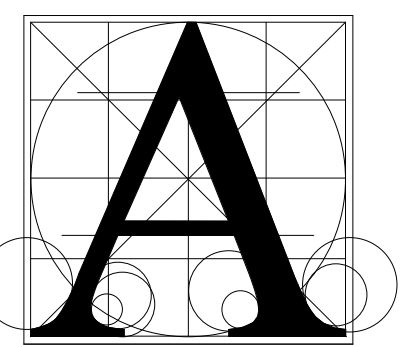
BALTIC HIGH SCHOOL ADDITION
FIRST FLOOR PLAN - AREA H

Project	Sheet Contents
number	0727.2957.21
date	DECEMBER 22, 2022
revision	
drawn	MS checked SKJ
NO.	DATE DESCRIPTION
2	1/20/2023 ADDENDUM #2

4.10-1H

GENERAL NOTES - FLOOR PLAN

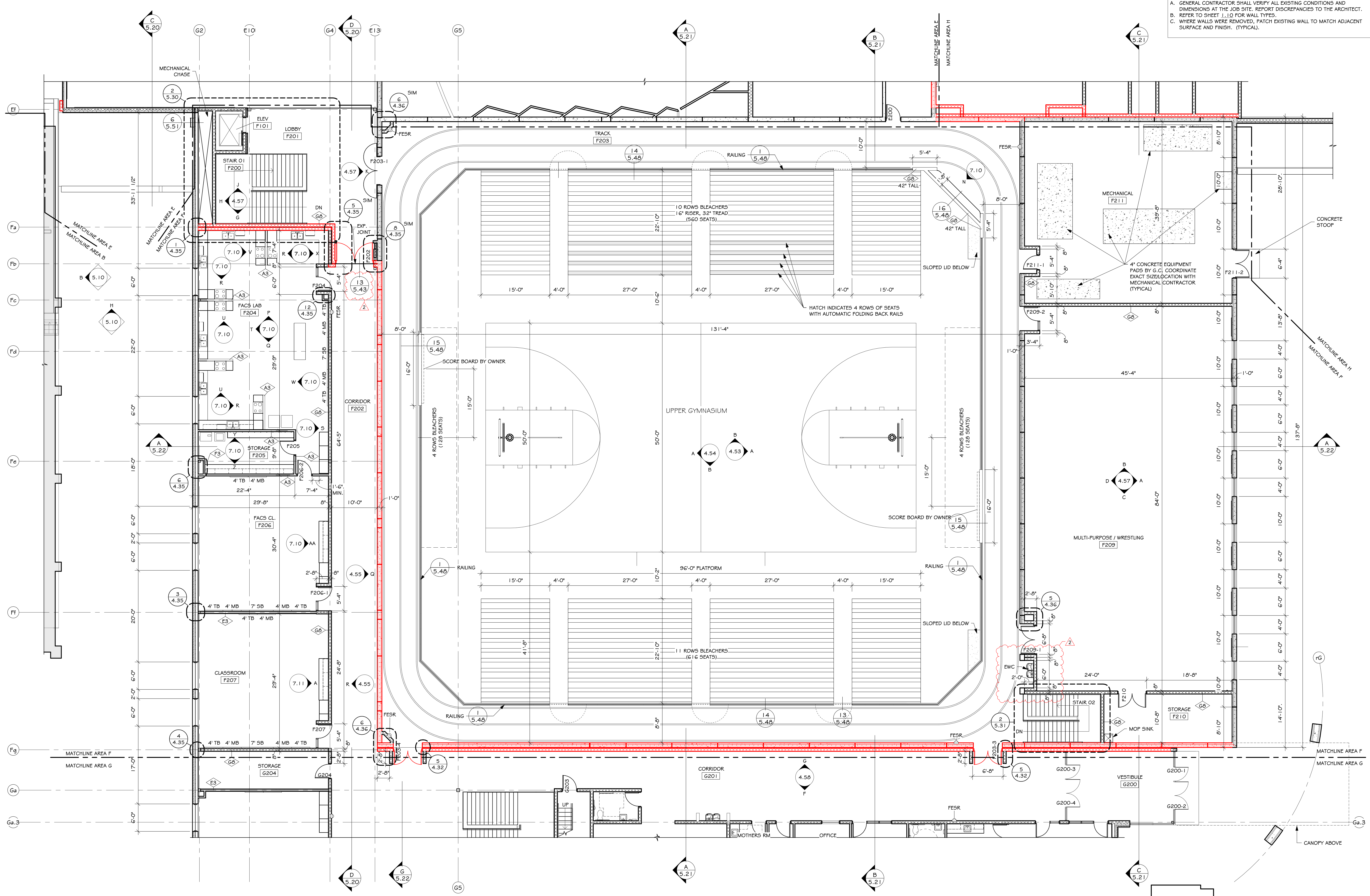
- A. GENERAL CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS AT THE JOB SITE. REPORT DISCREPANCIES TO THE ARCHITECT.
- B. REFER TO SHEET 1.10 FOR WALL TYPES.
- C. WHERE WALLS WERE REMOVED, PATCH EXISTING WALL TO MATCH ADJACENT SURFACE AND FINISH. (TYPICAL).



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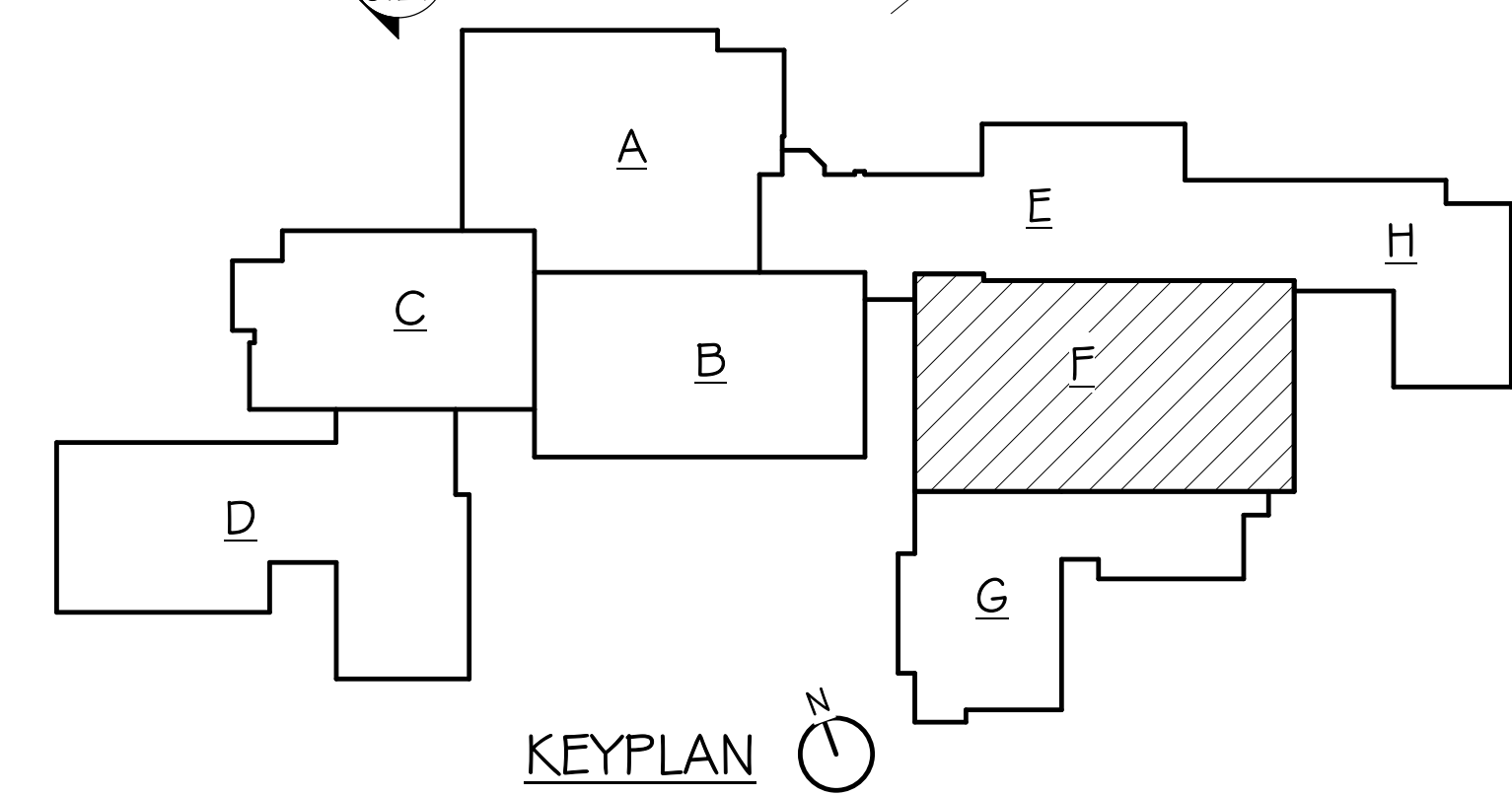
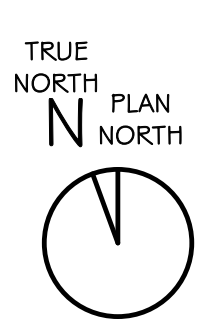
415 South Main Avenue
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SECOND FLOOR PLAN - AREA F

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

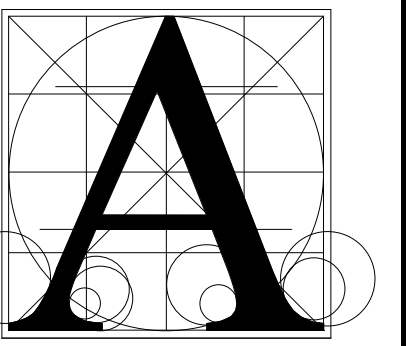


BALTIC HIGH SCHOOL ADDITION
SECOND FLOOR PLAN - AREA F

Project	number_0727.2957.21
date	DECEMBER 22, 2022
revision	
drawn	MS checked SKJ
NO.	DATE DESCRIPTION
2	1/20/2023 ADDENDUM #2

4.10-2F

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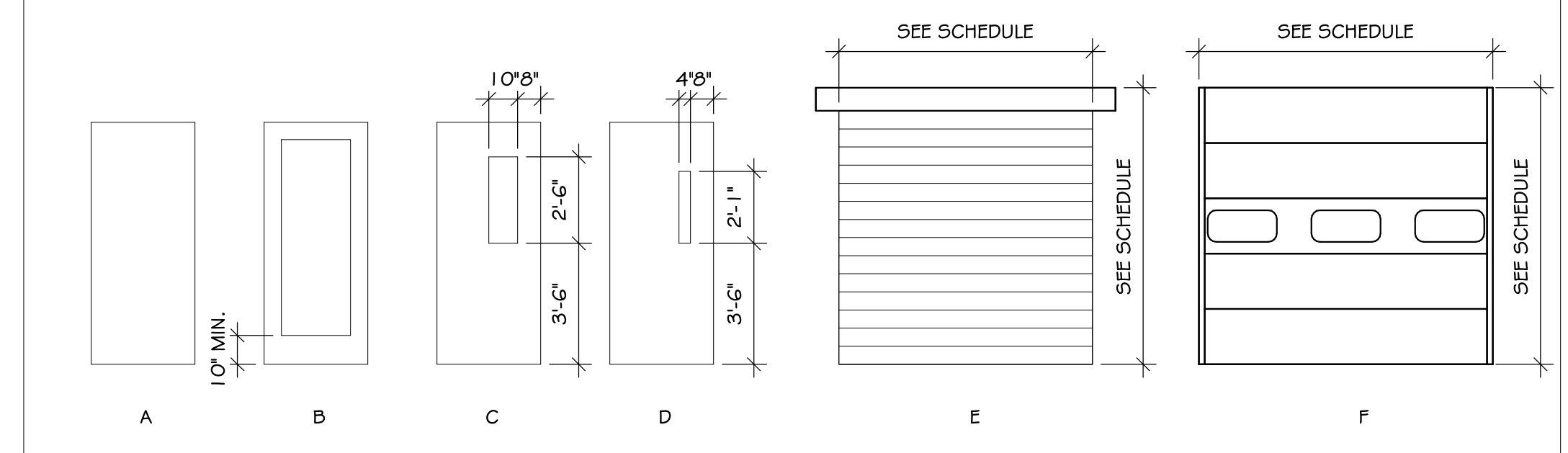
815 S. Joseph Street, Suite 203
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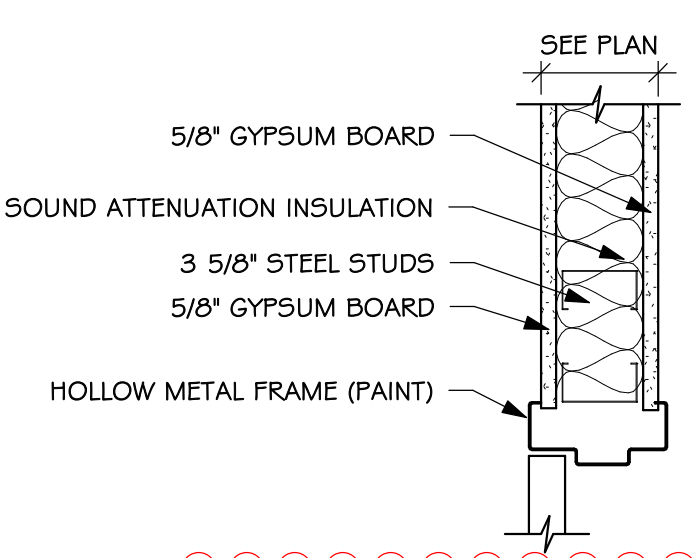
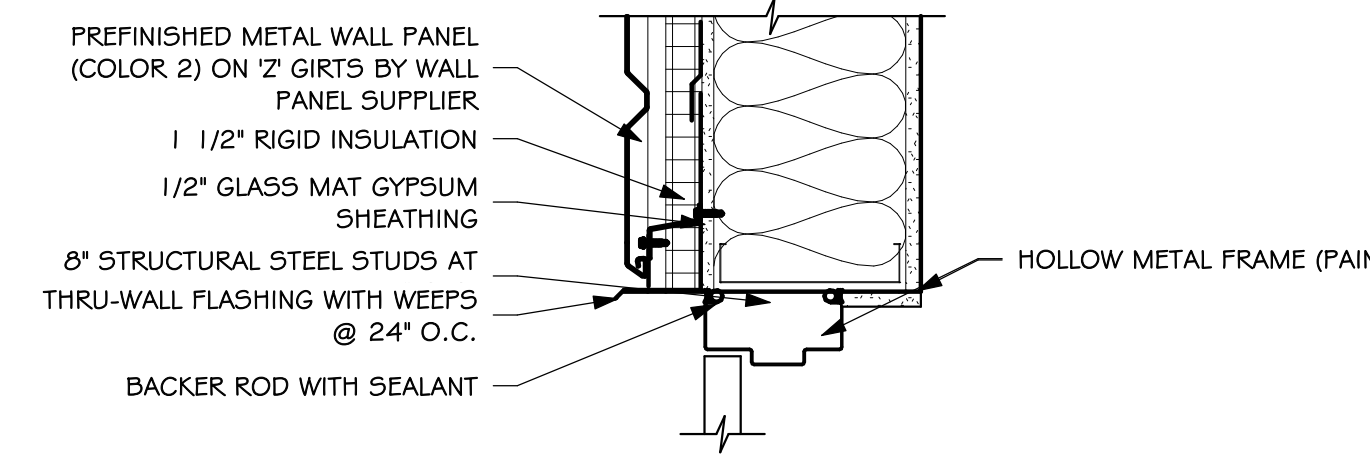
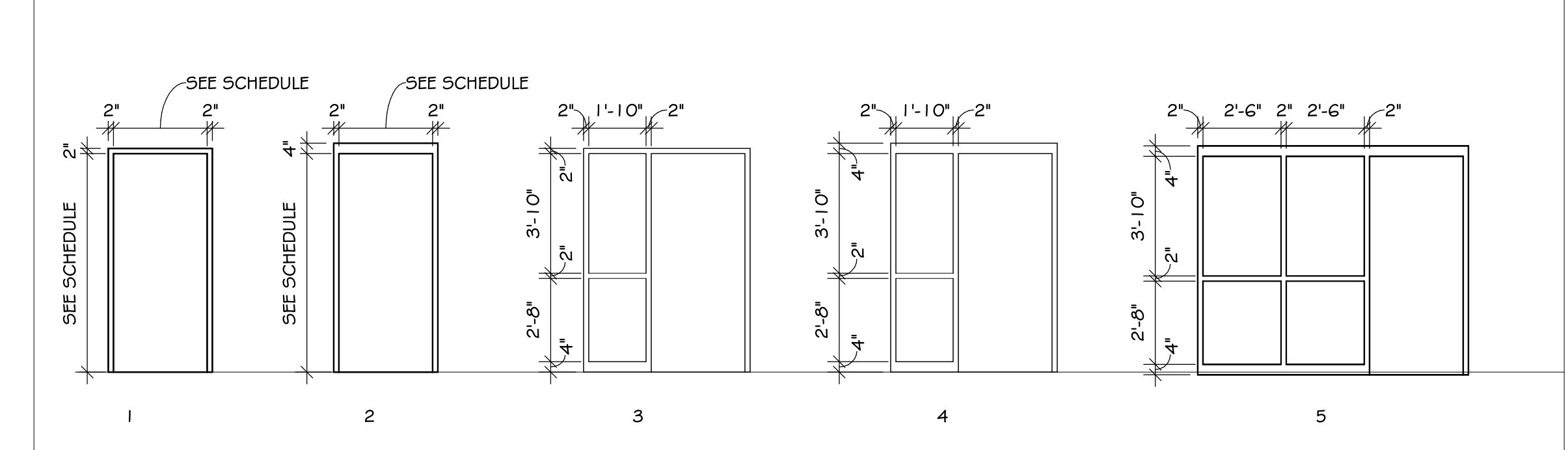
GENERAL NOTE - DOOR SCHEDULE

A. PAINT ALL HM FRAMES (BOTH SIDES) WHERE ROOMS ARE NOTED TO BE PAINTED.

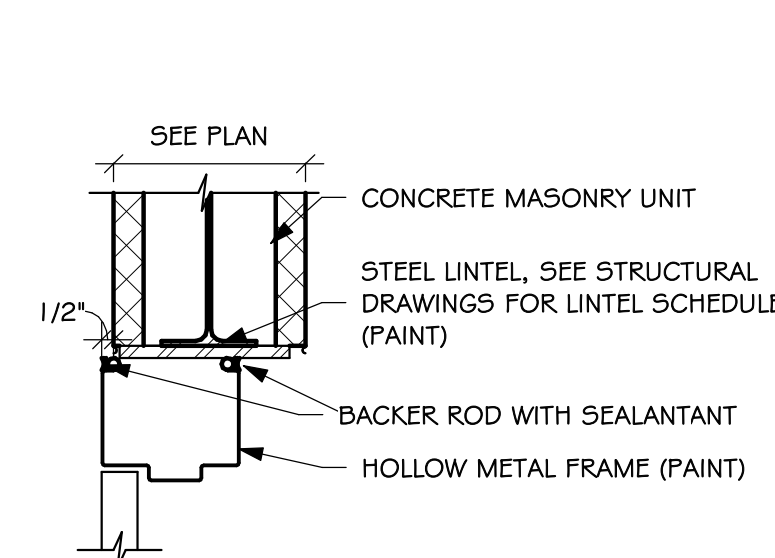
DOOR TYPES



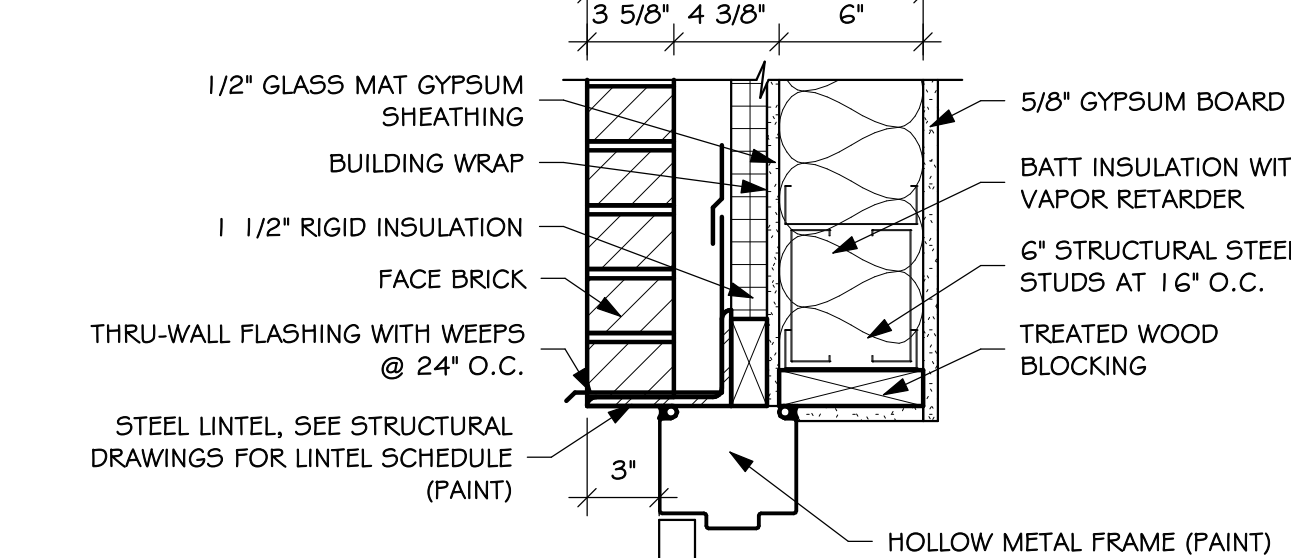
FRAME TYPES



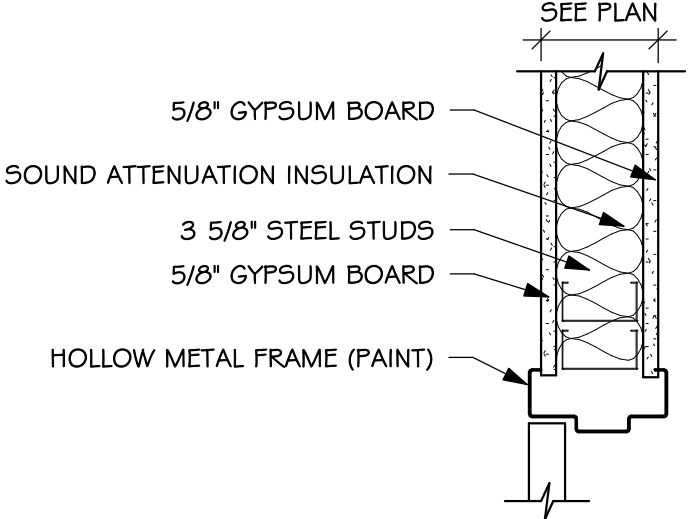
1 HEAD DETAIL
4.31 SCALE: 1/2" = 1'-0"



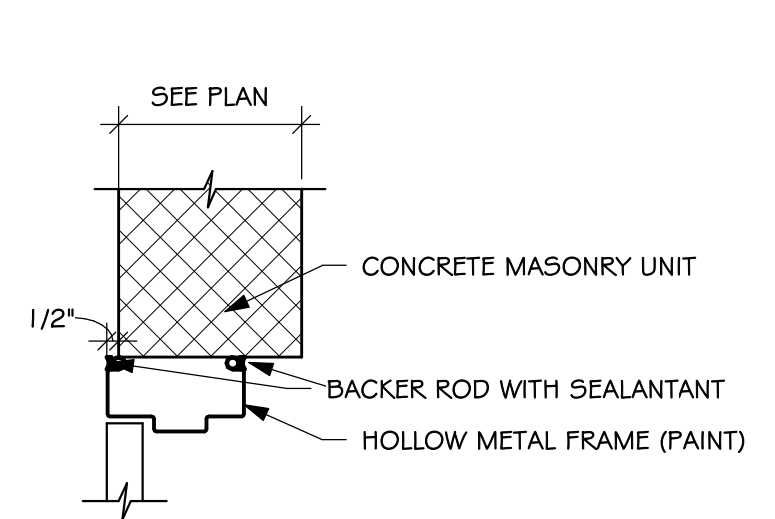
7 CMU - HD
4.31 SCALE: 1/2" = 1'-0"



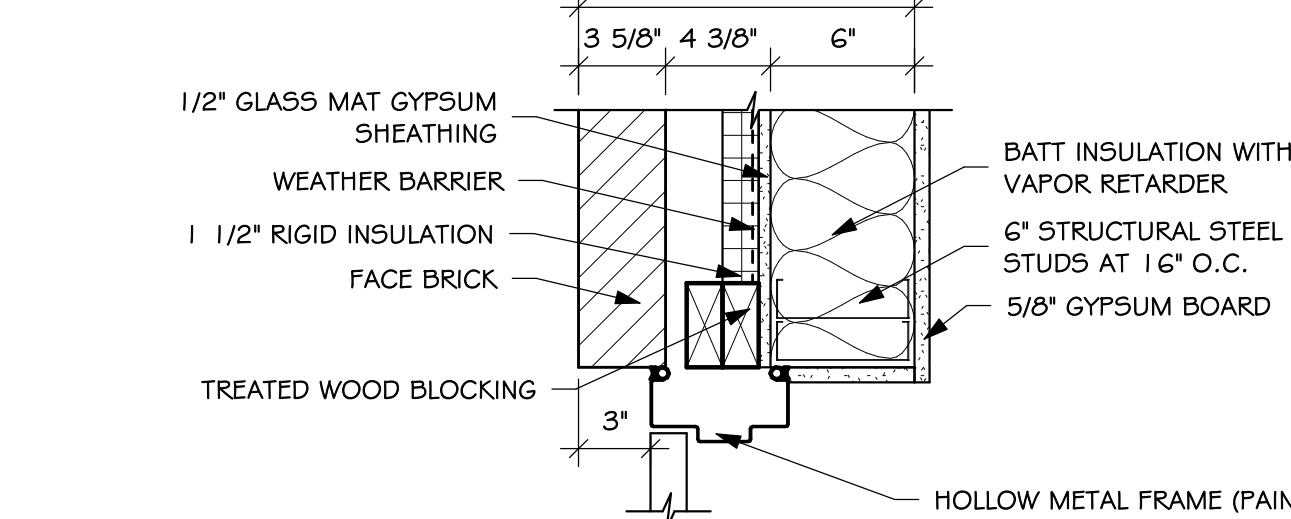
13 HD - 4\"/>



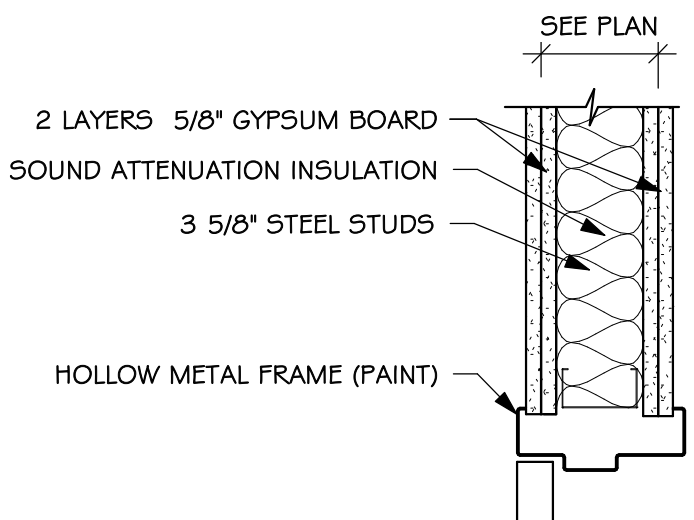
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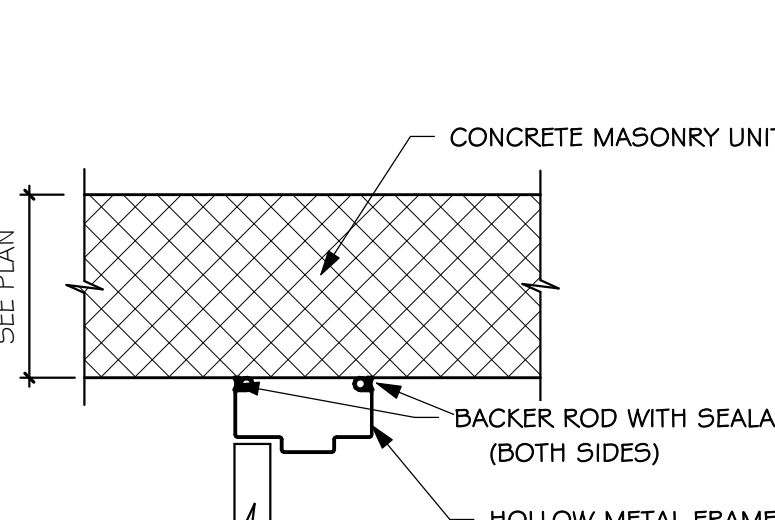
8 CMU - JB
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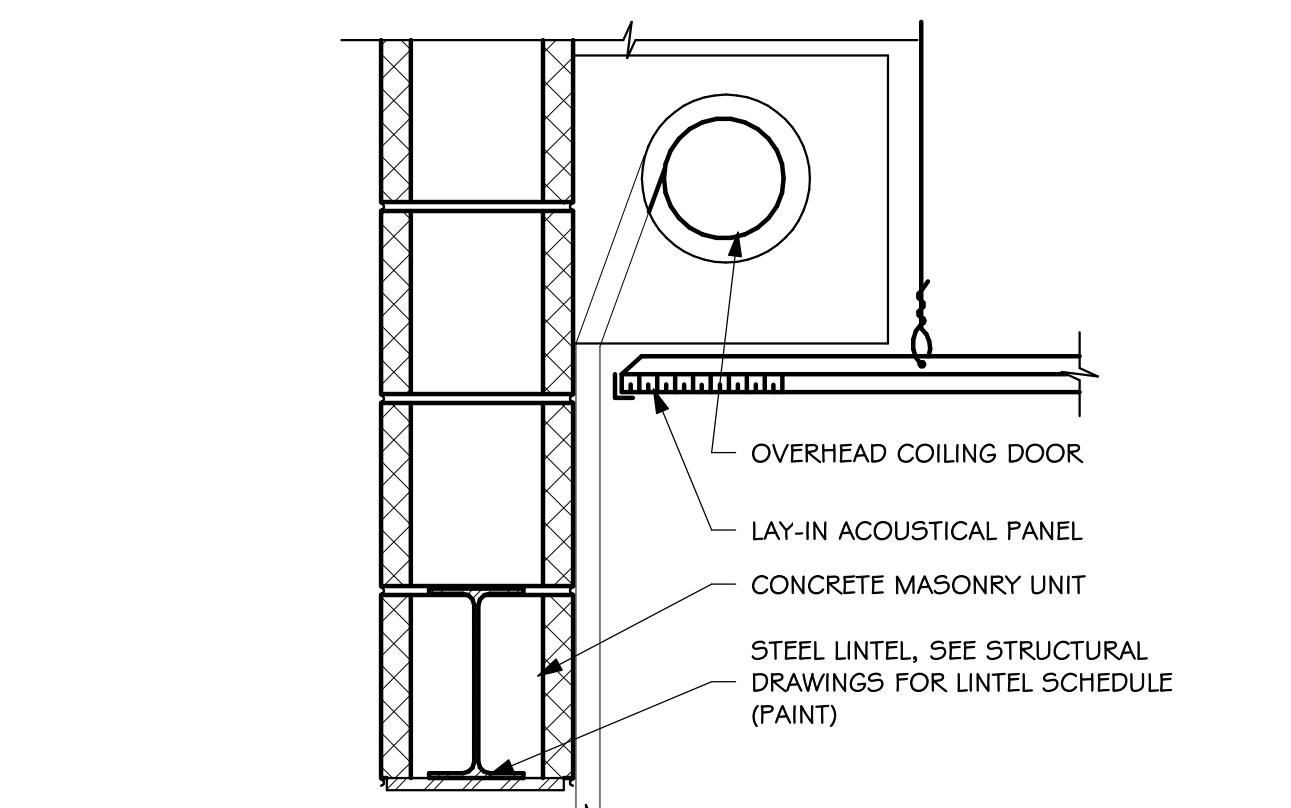
14 JB - 4\"/>



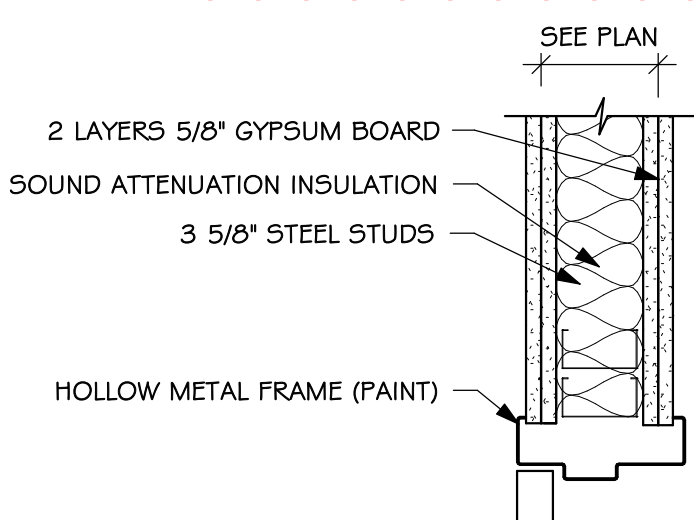
3 HEAD DETAIL
4.31 SCALE: 1/2" = 1'-0"



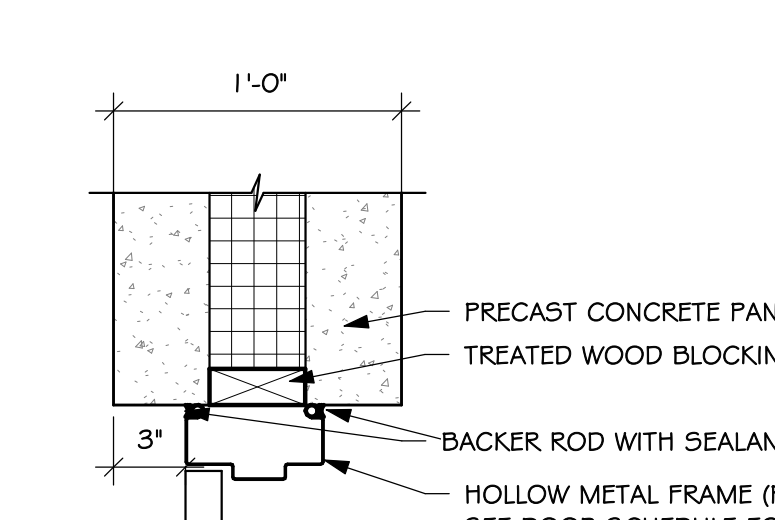
9 CMU - JB ADJ TO WALL
4.31 SCALE: 1/2" = 1'-0"



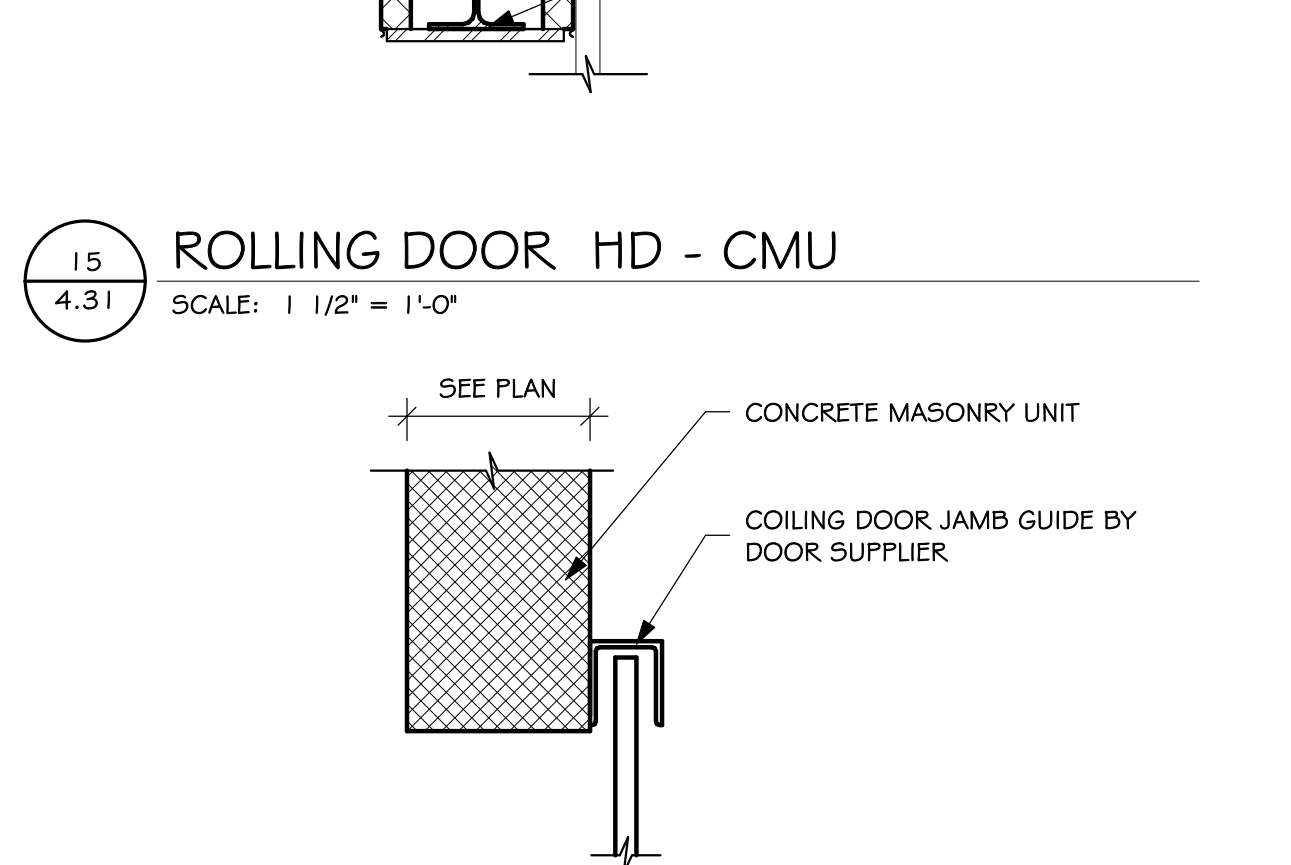
15 ROLLING DOOR HD - CMU
4.31 SCALE: 1/2" = 1'-0"



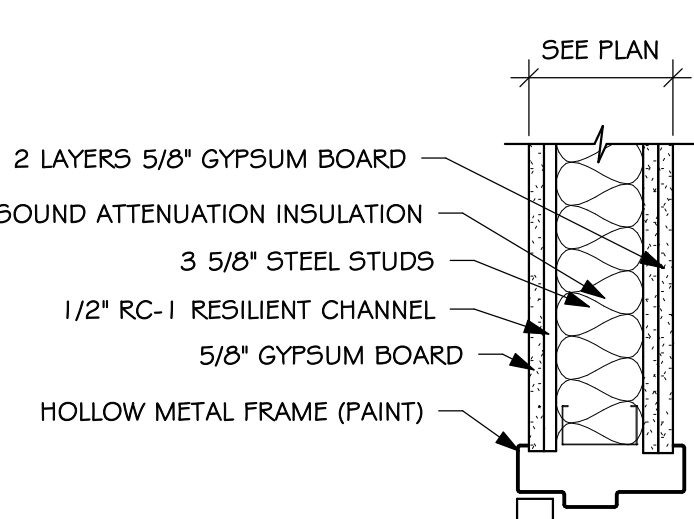
4 JAMB DETAIL
4.31 SCALE: 1/2" = 1'-0"



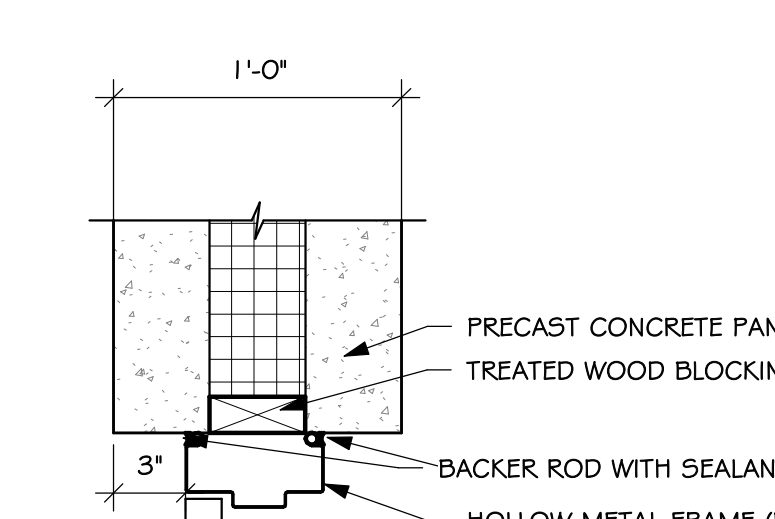
10 HD - 12\"/>



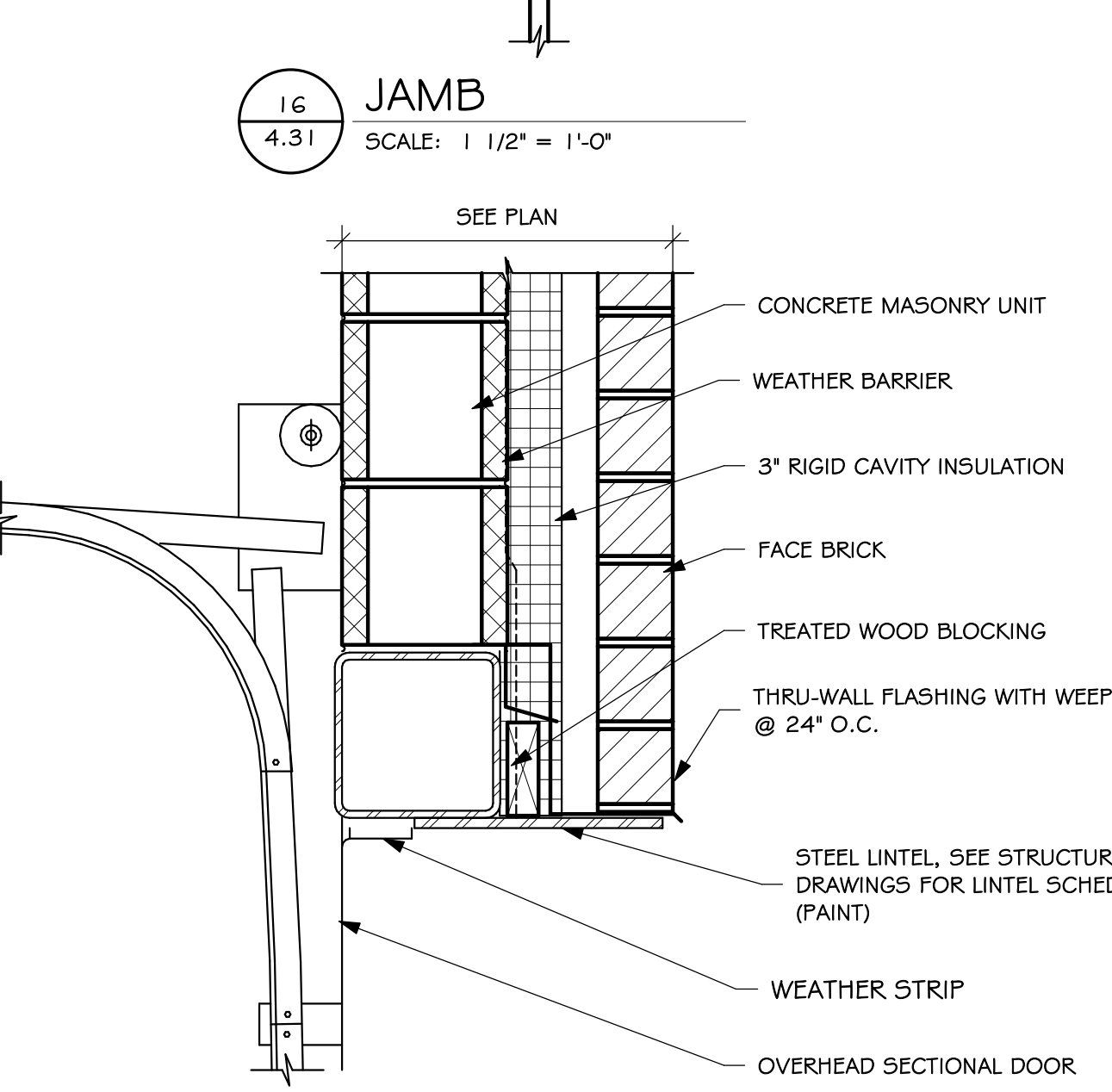
16 JAMB
4.31 SCALE: 1/2" = 1'-0"



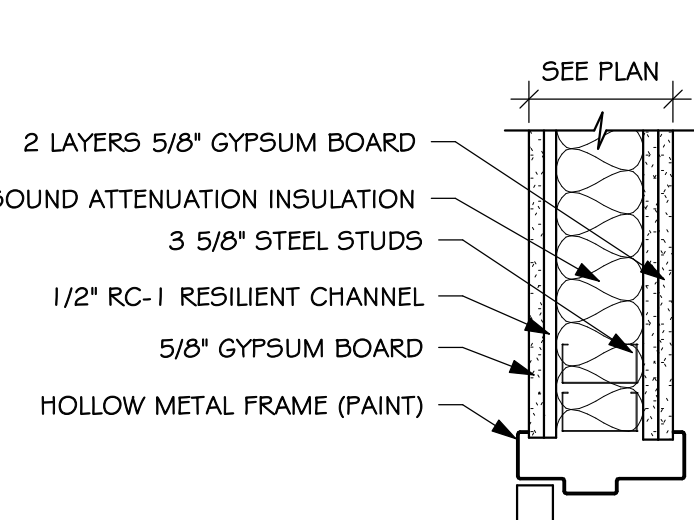
5 HEAD DETAIL
4.31 SCALE: 1/2" = 1'-0"



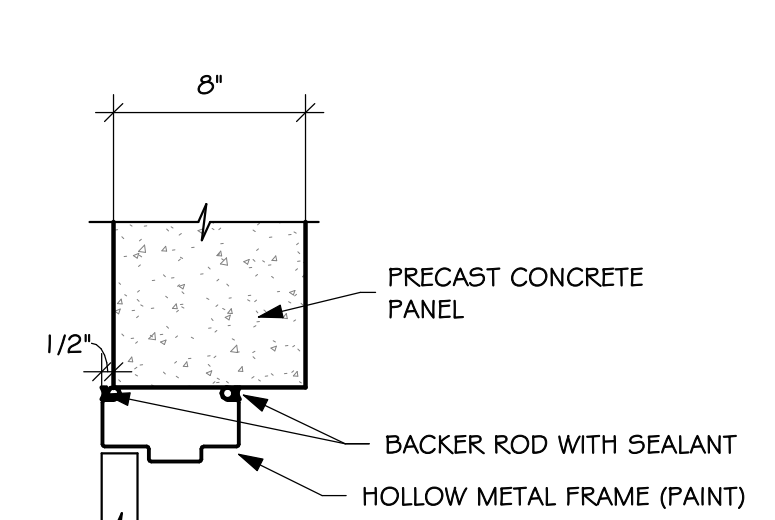
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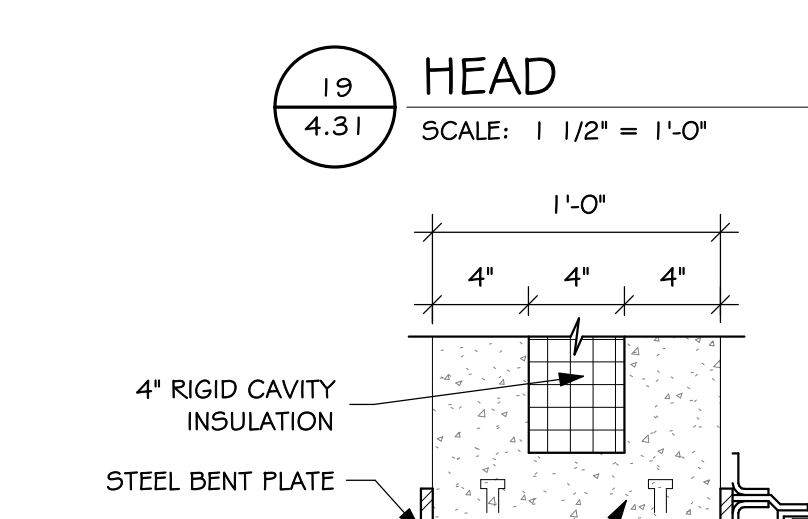
17 HEAD
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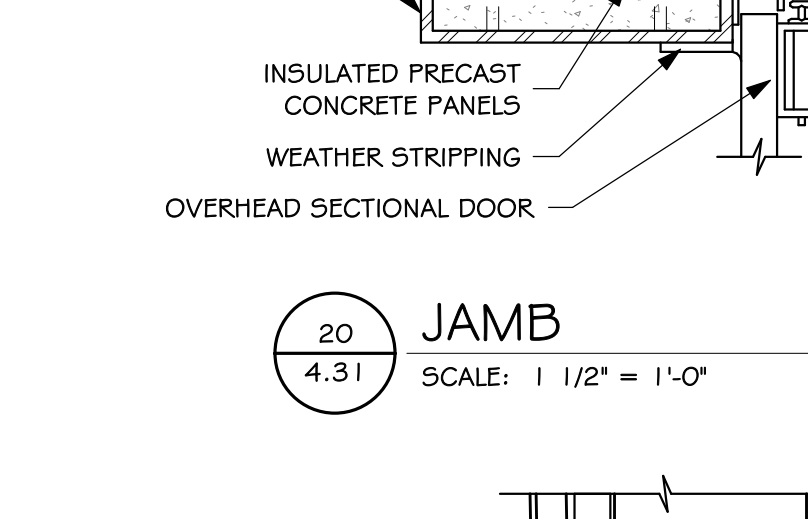
6 JAMB DETAIL
4.31 SCALE: 1/2" = 1'-0"



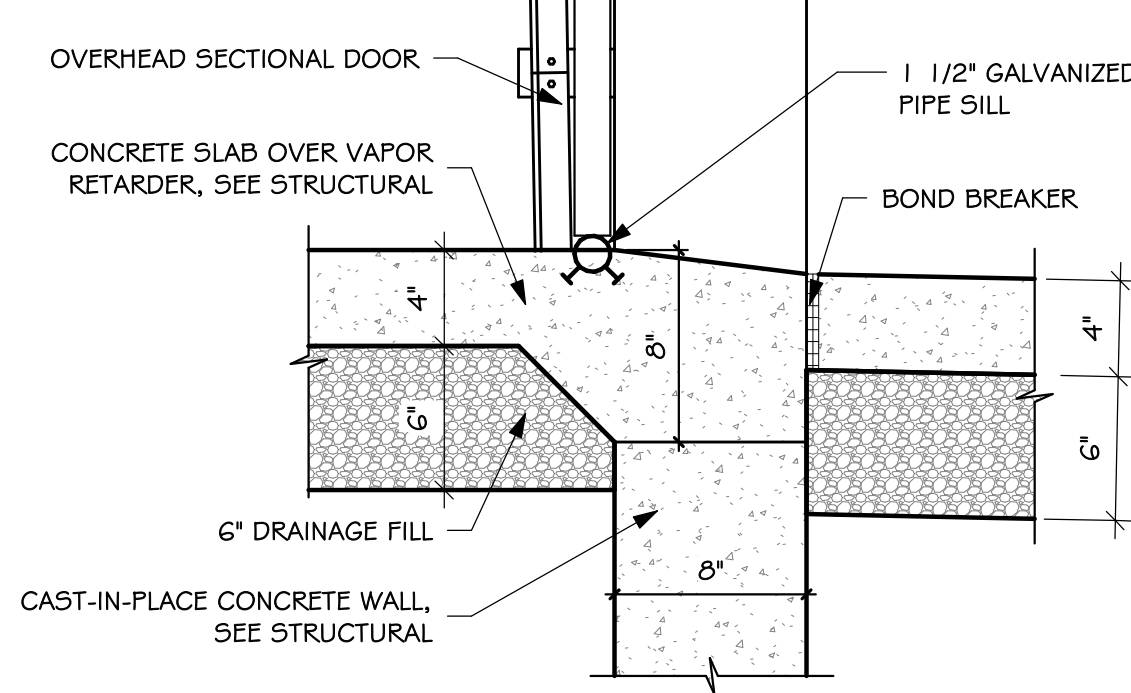
12 HD/JB - CONCRETE
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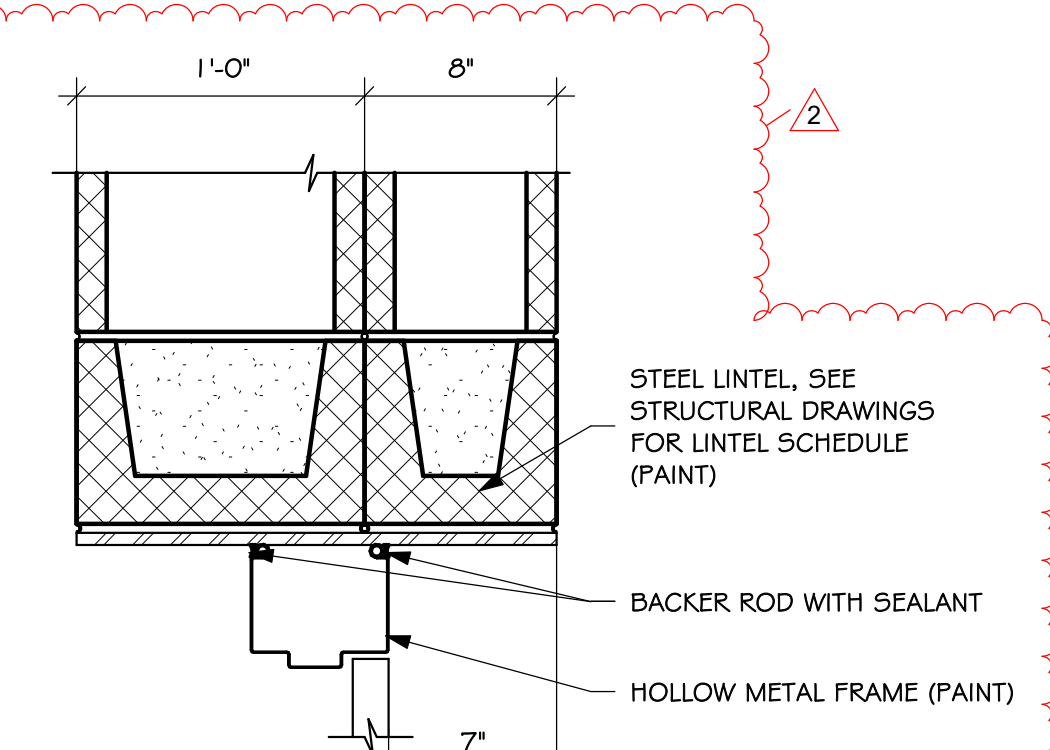
19 HEAD
4.31 SCALE: 1/2" = 1'-0"



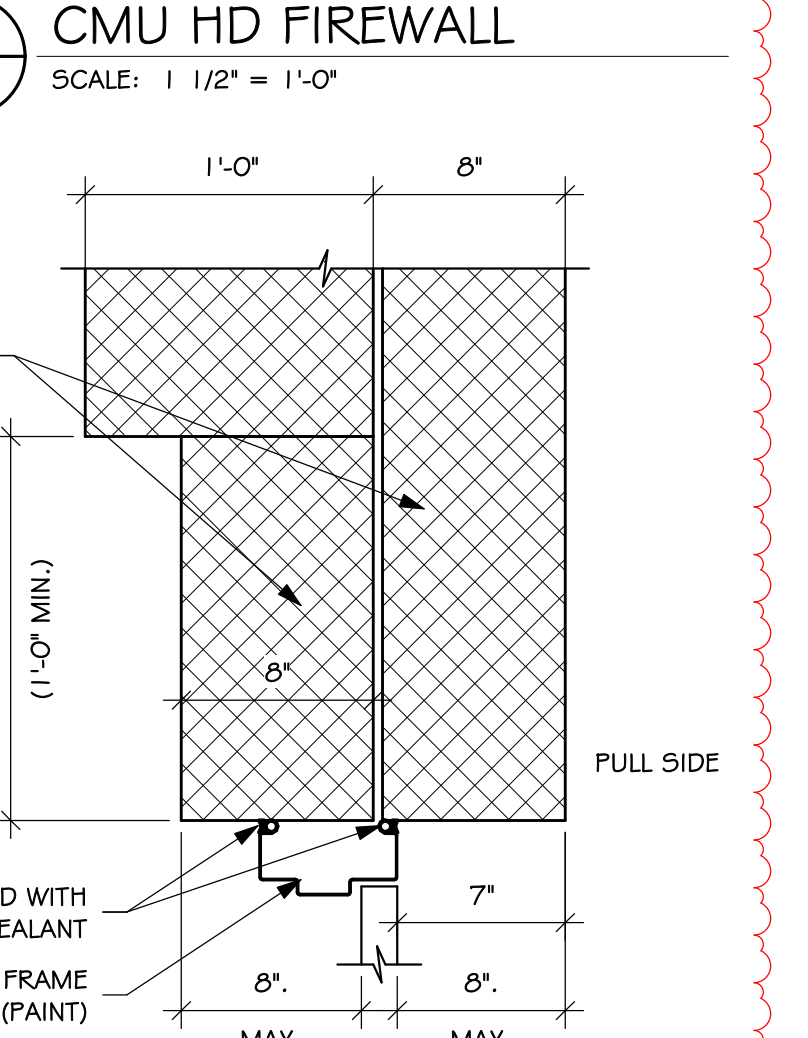
20 JAMB
4.31 SCALE: 1/2" = 1'-0"



21 SILL
4.31 SCALE: 1/2" = 1'-0"



22 CMU HD FIREWALL
4.31 SCALE: 1/2" = 1'-0"



23 CMU JB FIREWALL
4.31 SCALE: 1/2" = 1'-0"

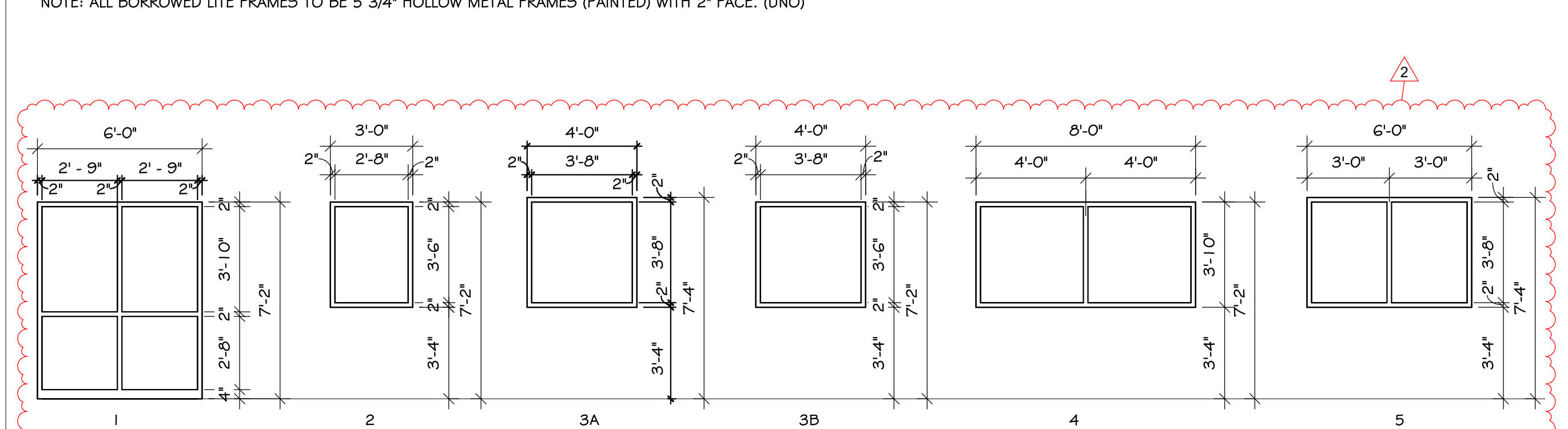
24 HEAD/SILL
4.31 SCALE: 1/2" = 1'-0"

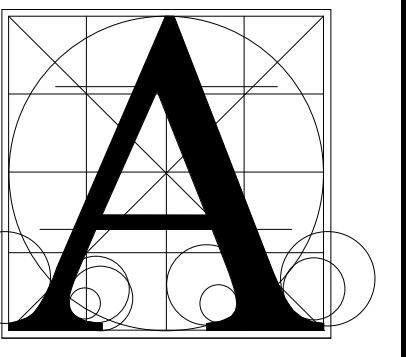
BORROWED LITE TYPES SCHEDULE

MARK	MATL	GLASS	FIRE	HEAD DETAIL	JAMB DETAIL	SILL DETAIL
1	HM	1/4" CLEAR		1 1/4.32	1 2/4.32	-
2	HM	1/4" SFTY		1 1, 13/4.32	1 2, 14/4.32	1 1, 13/4.32
3A	HM	1" CLEAR		8/4.32	9/4.32	10/4.32
3B	HM	1/4" SFTY		1 1, 13/4.32	1 2, 14/4.32	1 1, 13/4.32
4	HM	1/4" SFTY		13/4.32	14/4.32	13/4.32
5	HM	1/4" CLEAR		8/4.32	9/4.32	10/4.32

BORROWED LITE TYPES SCALE: 1/4" = 1'-0" INDICATED THUS ON FLOOR PLANS

NOTE: ALL BORROWED LITE FRAMES TO BE 5 3/4" HOLLOW METAL FRAMES (PAINTED) WITH 2" FACE. (UNO)





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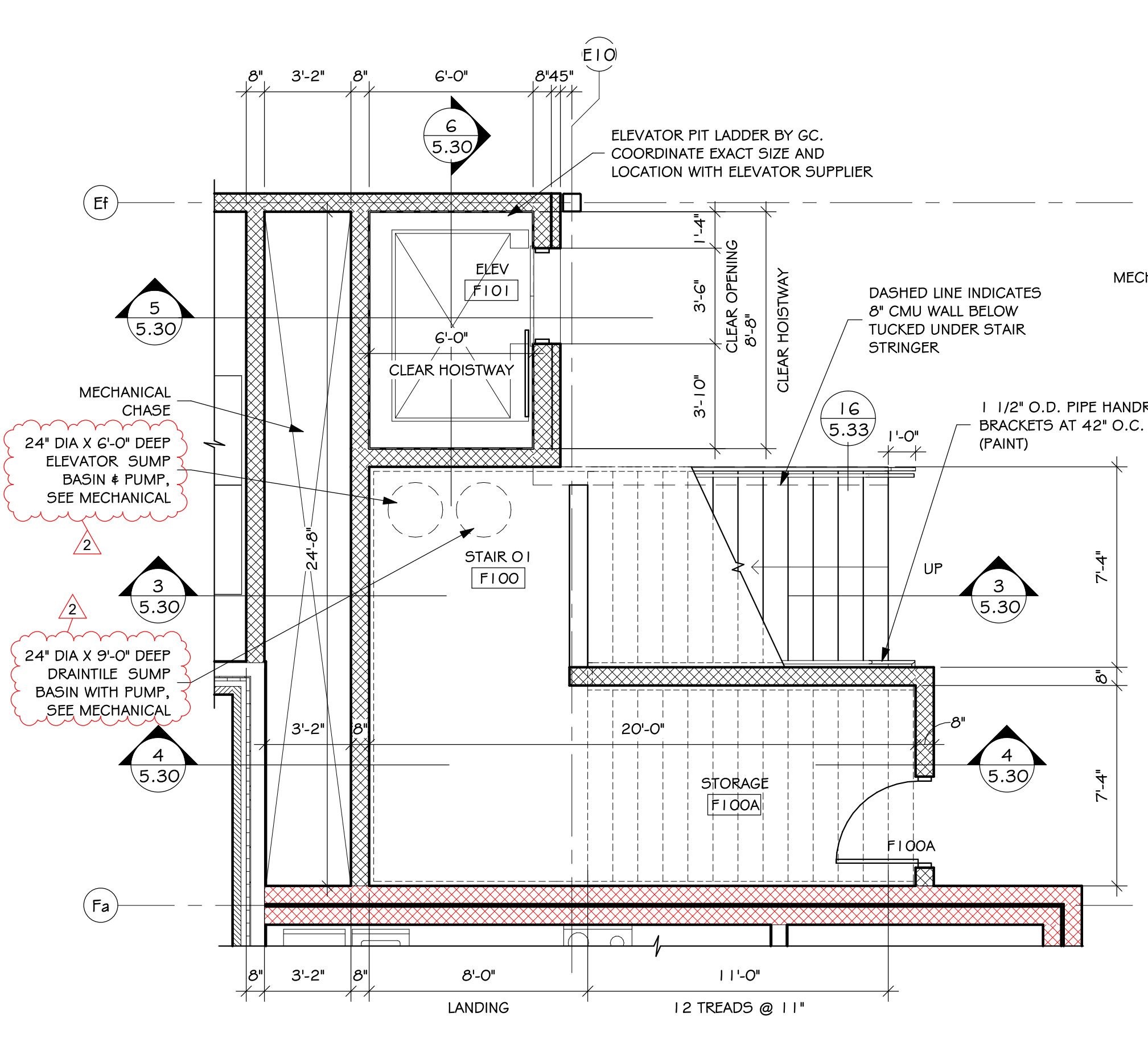
815 S. Joseph Street, Suite 203
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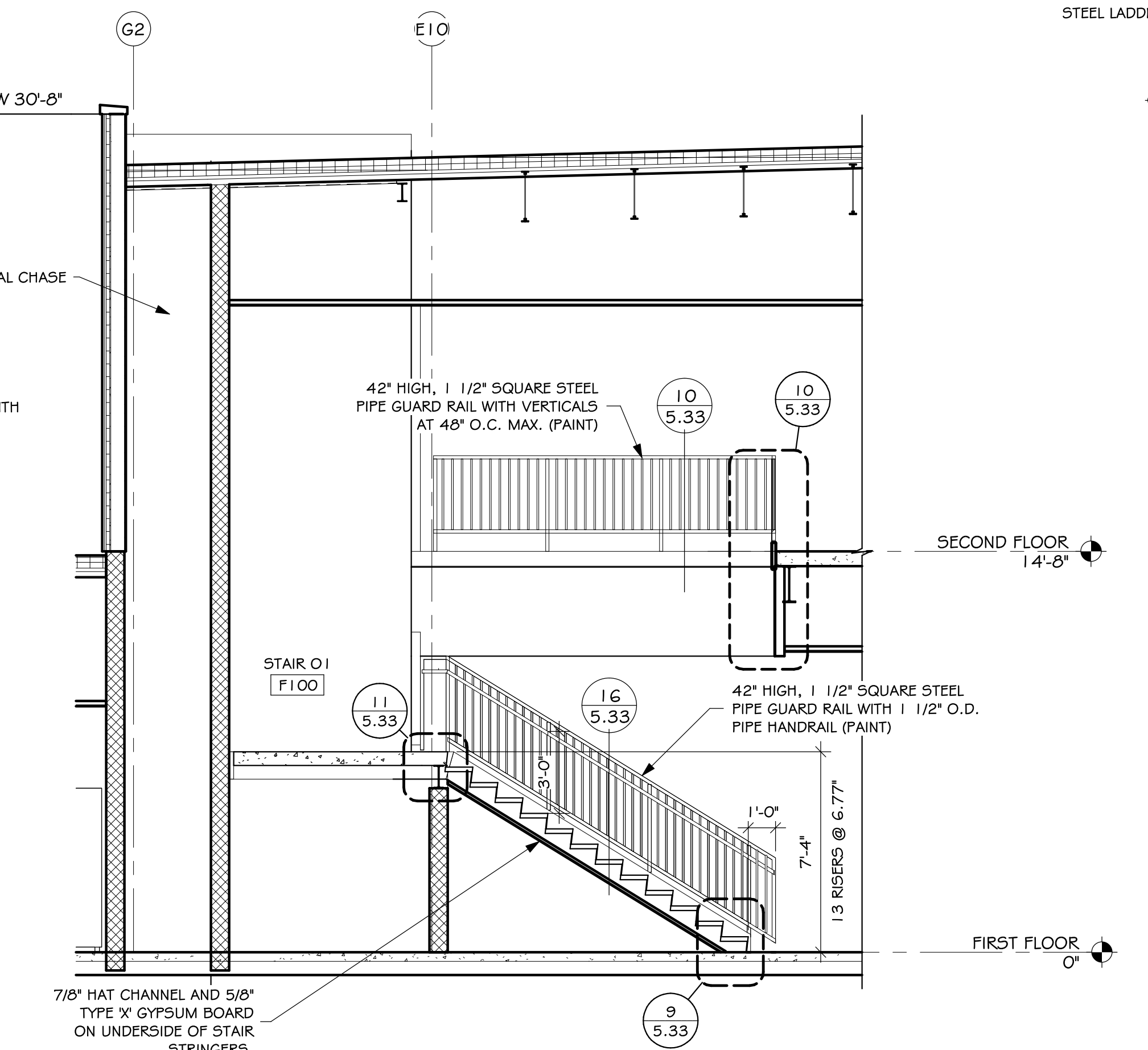
BALTIC HIGH SCHOOL ADDITION
STAIR AND ELEVATOR - PLANS, SECTIONS AND DETAILS

Project	number	0727.2957.21
date	DECEMBER 22, 2022	
revision	drawn	MS
checked	SKJ	
NO.	DATE	DESCRIPTION
2	1/20/2023	ADDENDUM #2

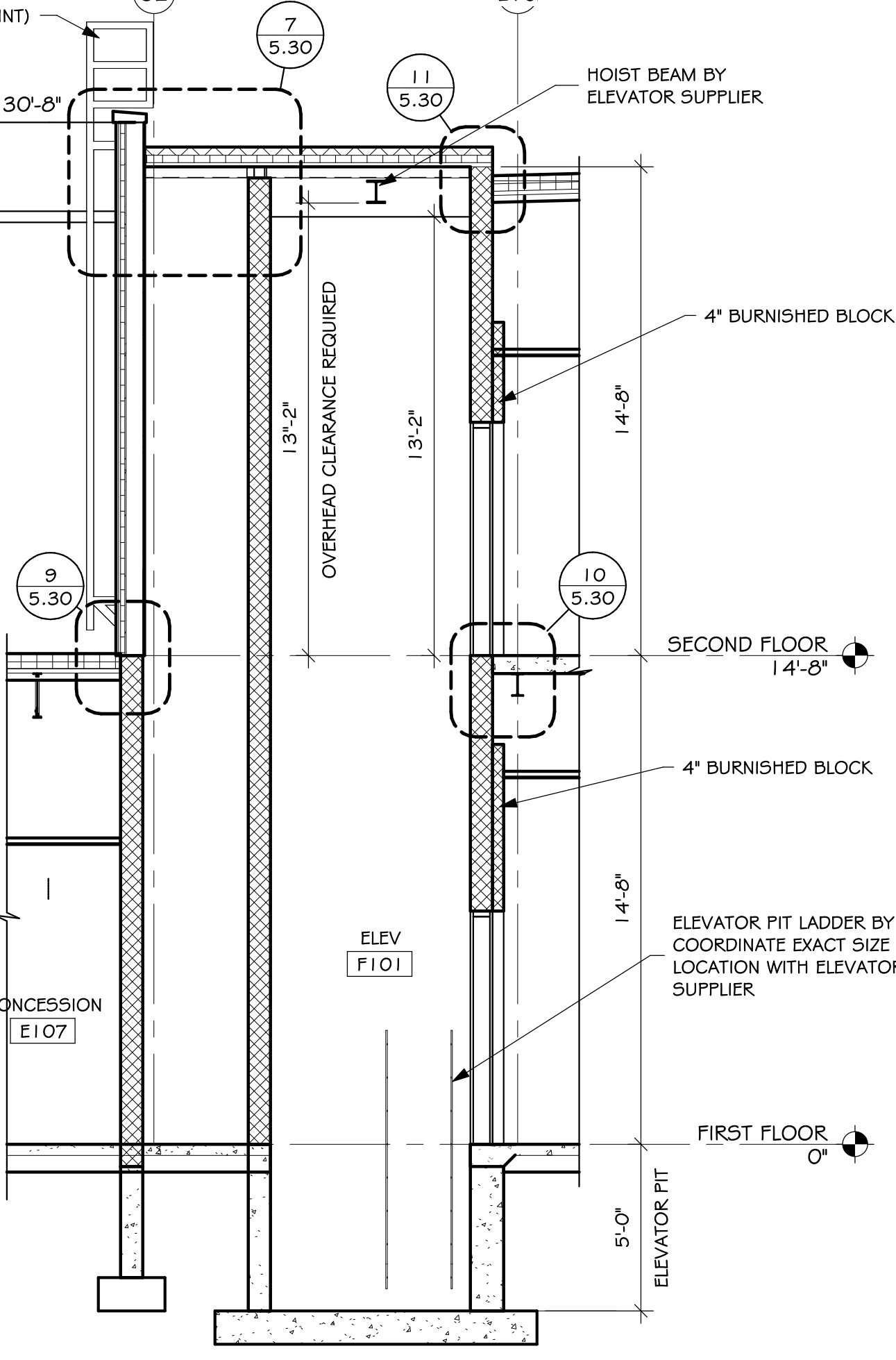
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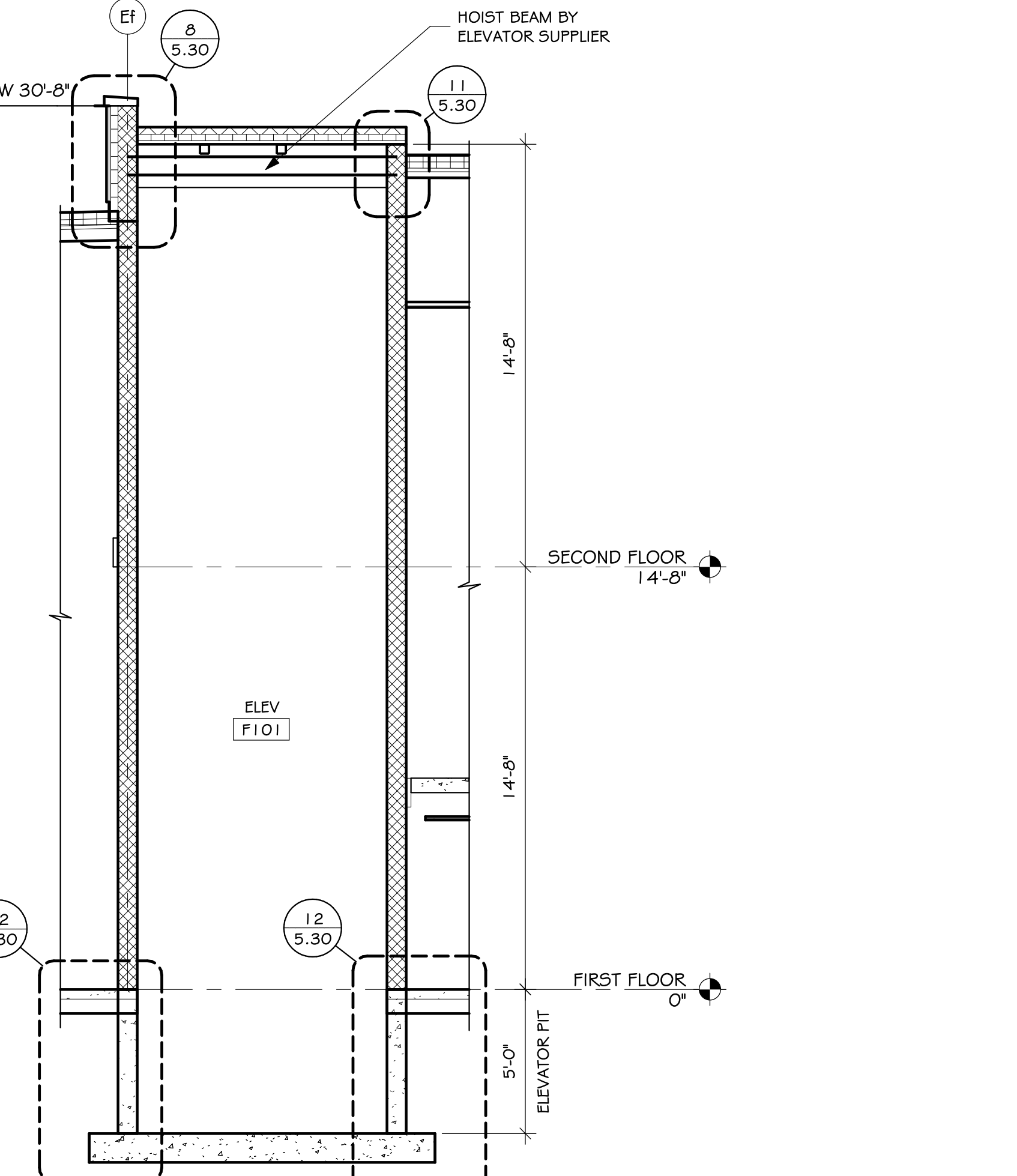
1 STAIR O1 AND ELEVATOR - FIRST FLOOR
SCALE: 1/4" = 1'-0"



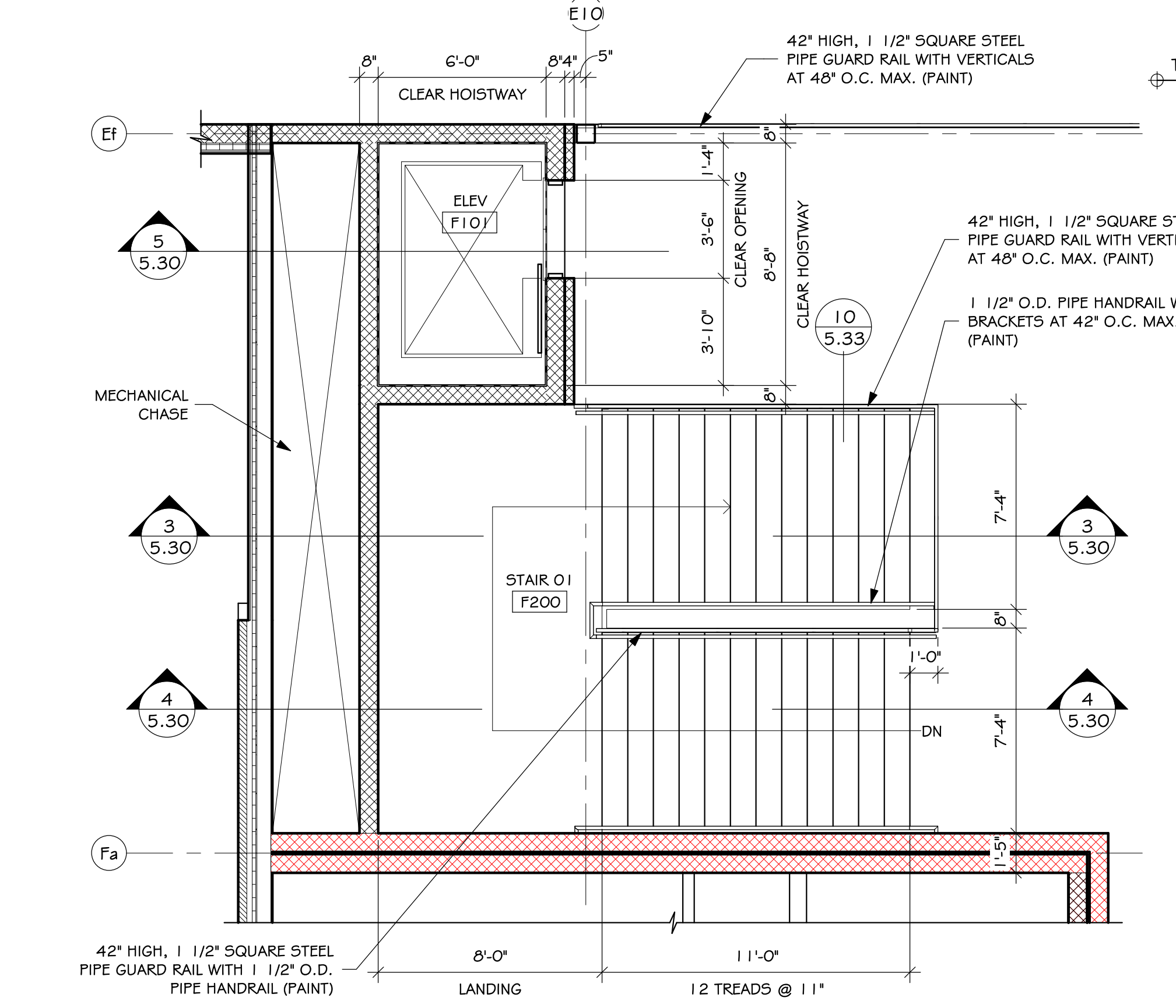
3 SECTION - STAIR O1
SCALE: 1/4" = 1'-0"



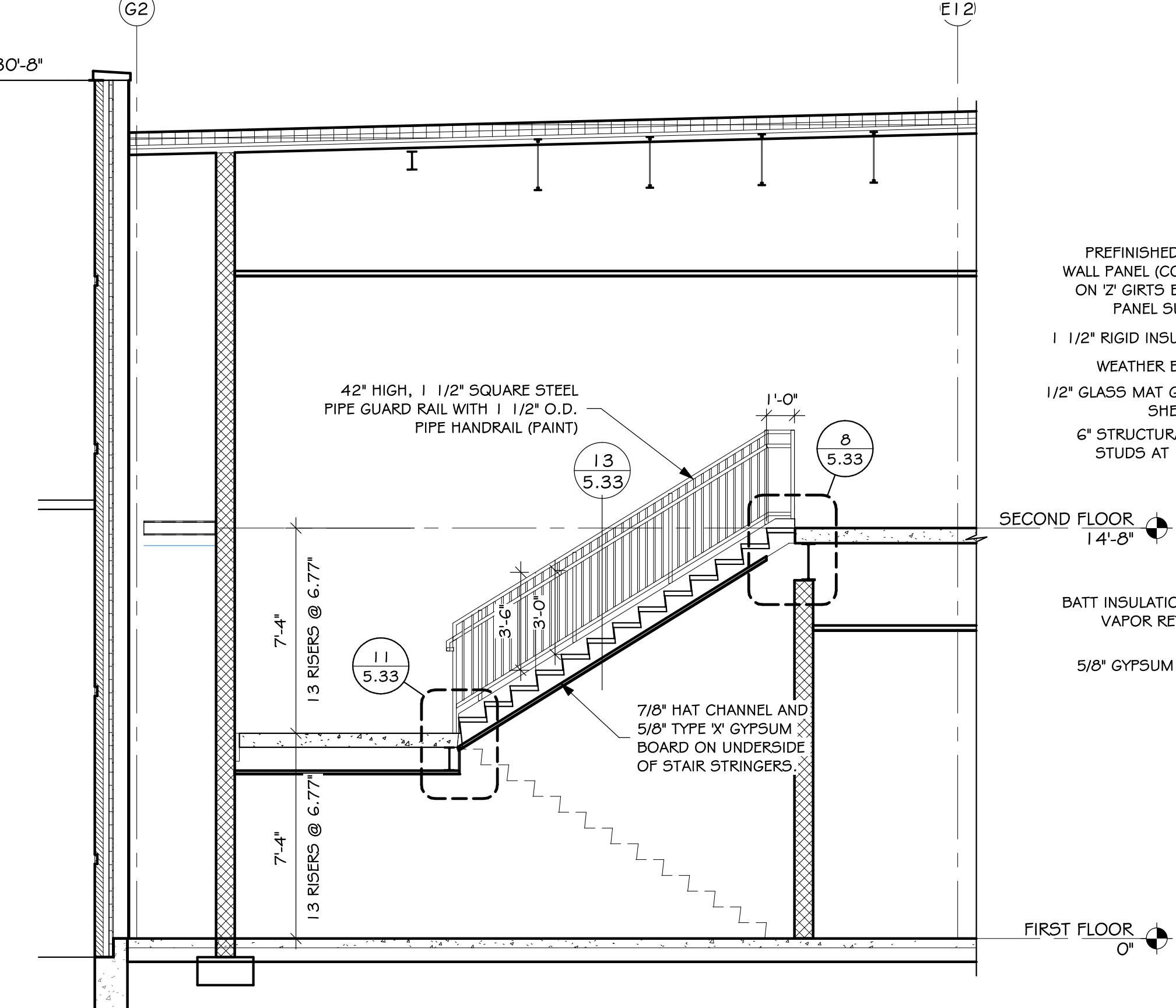
5 SECTION - ELEVATOR
SCALE: 1/4" = 1'-0"



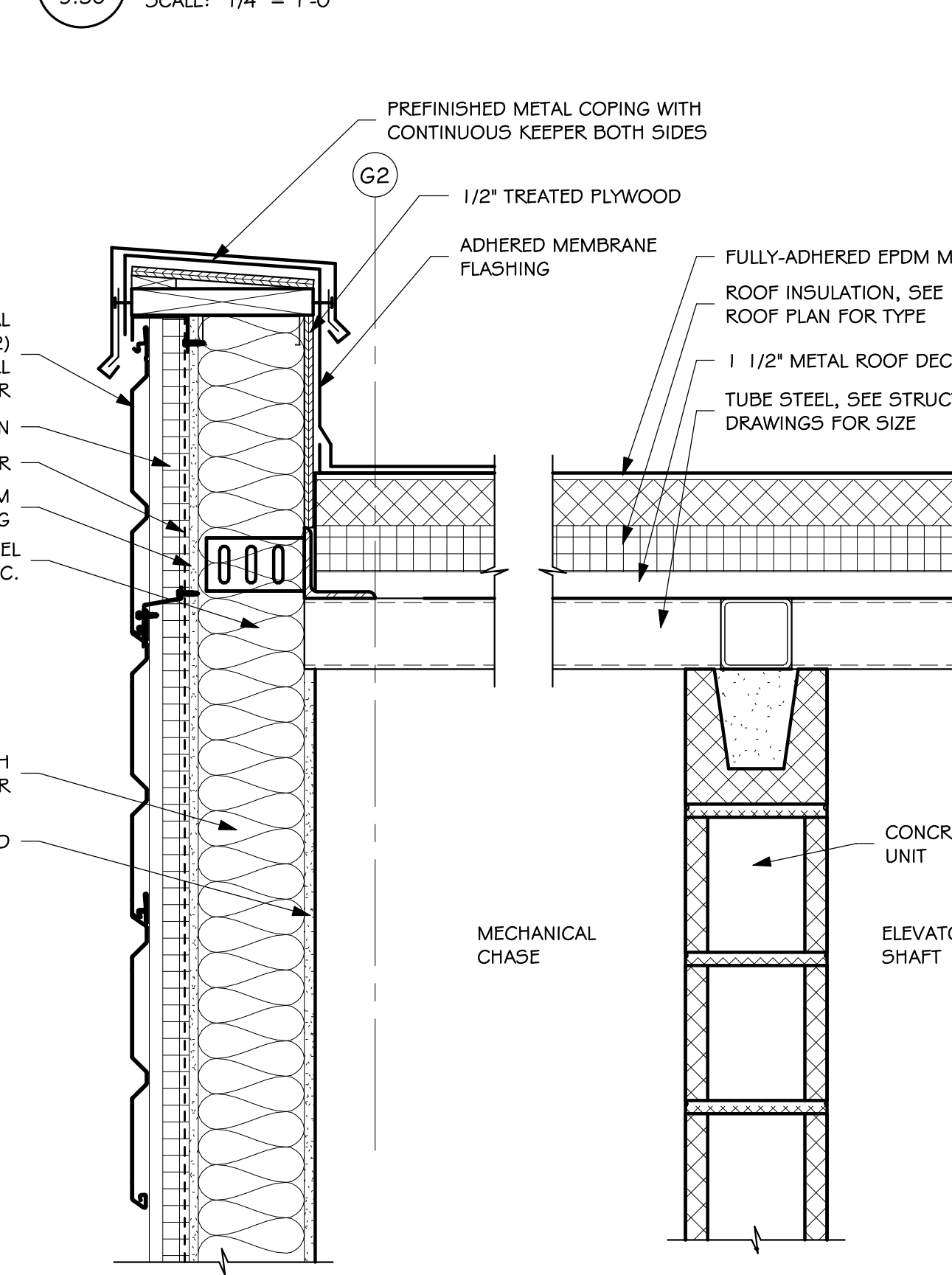
6 SECTION - ELEVATOR
SCALE: 1/4" = 1'-0"



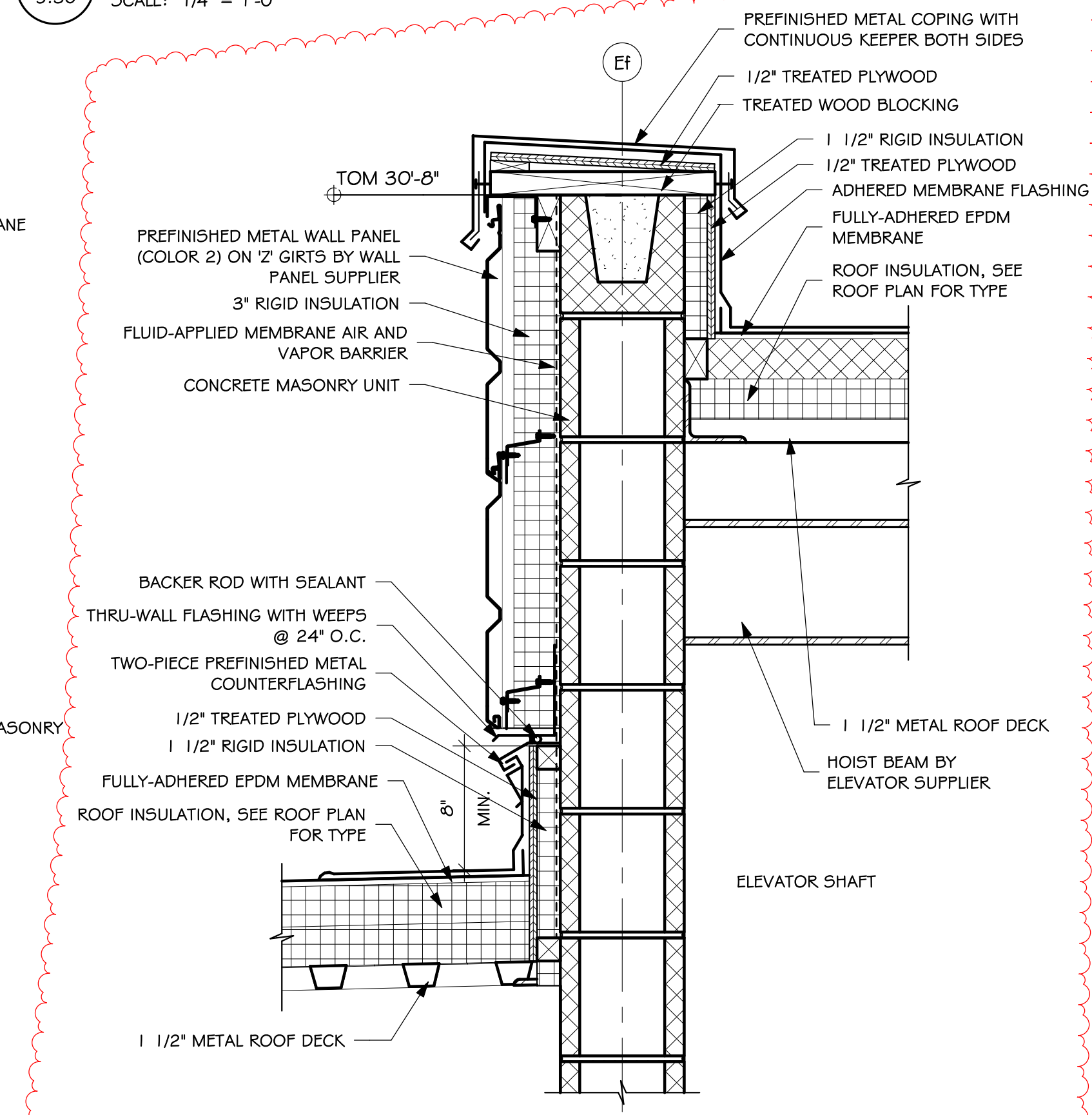
2 STAIR O1 AND ELEVATOR - SECOND FLOOR
SCALE: 1/4" = 1'-0"



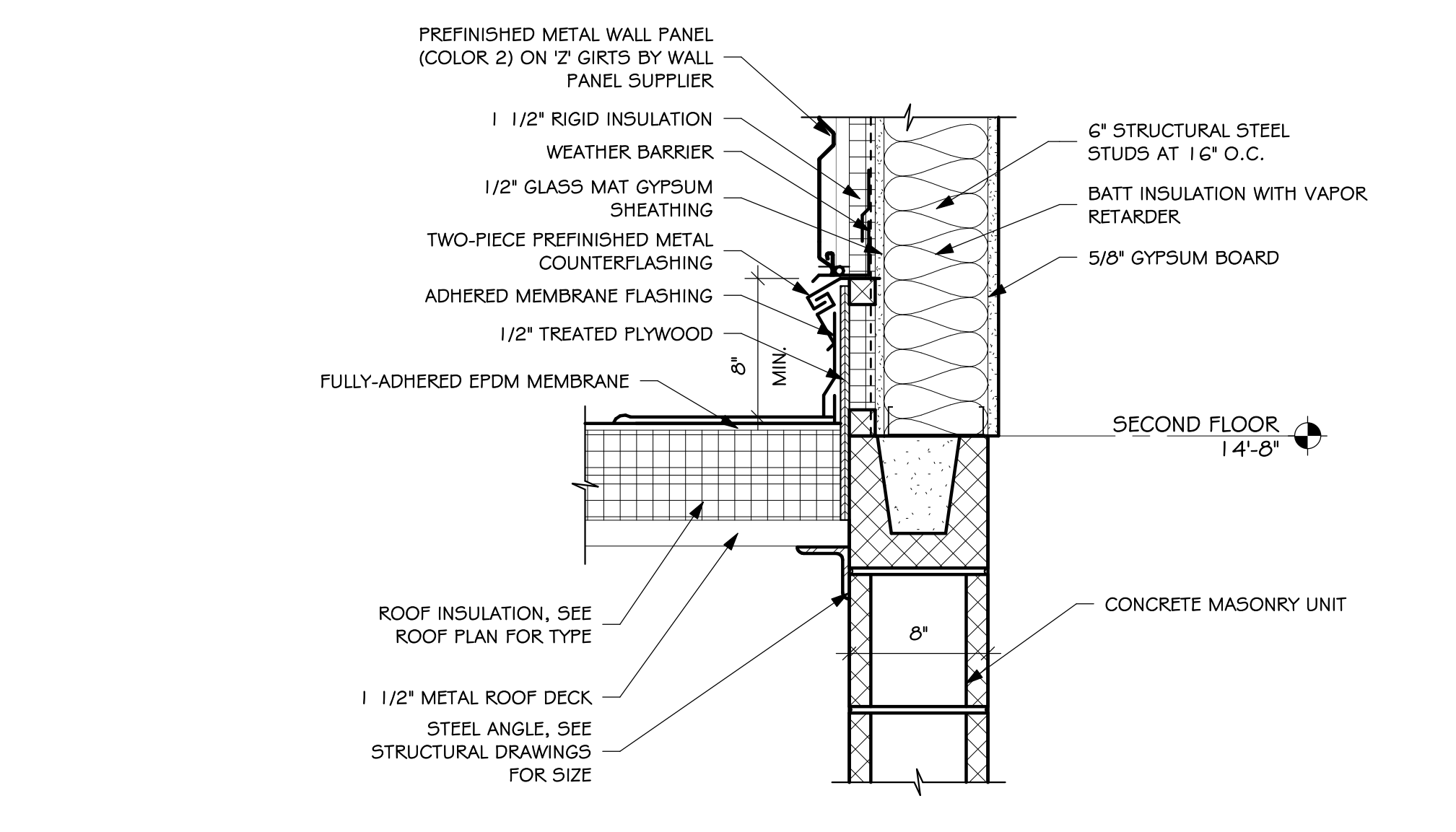
4 SECTION - STAIR O1
SCALE: 1/4" = 1'-0"



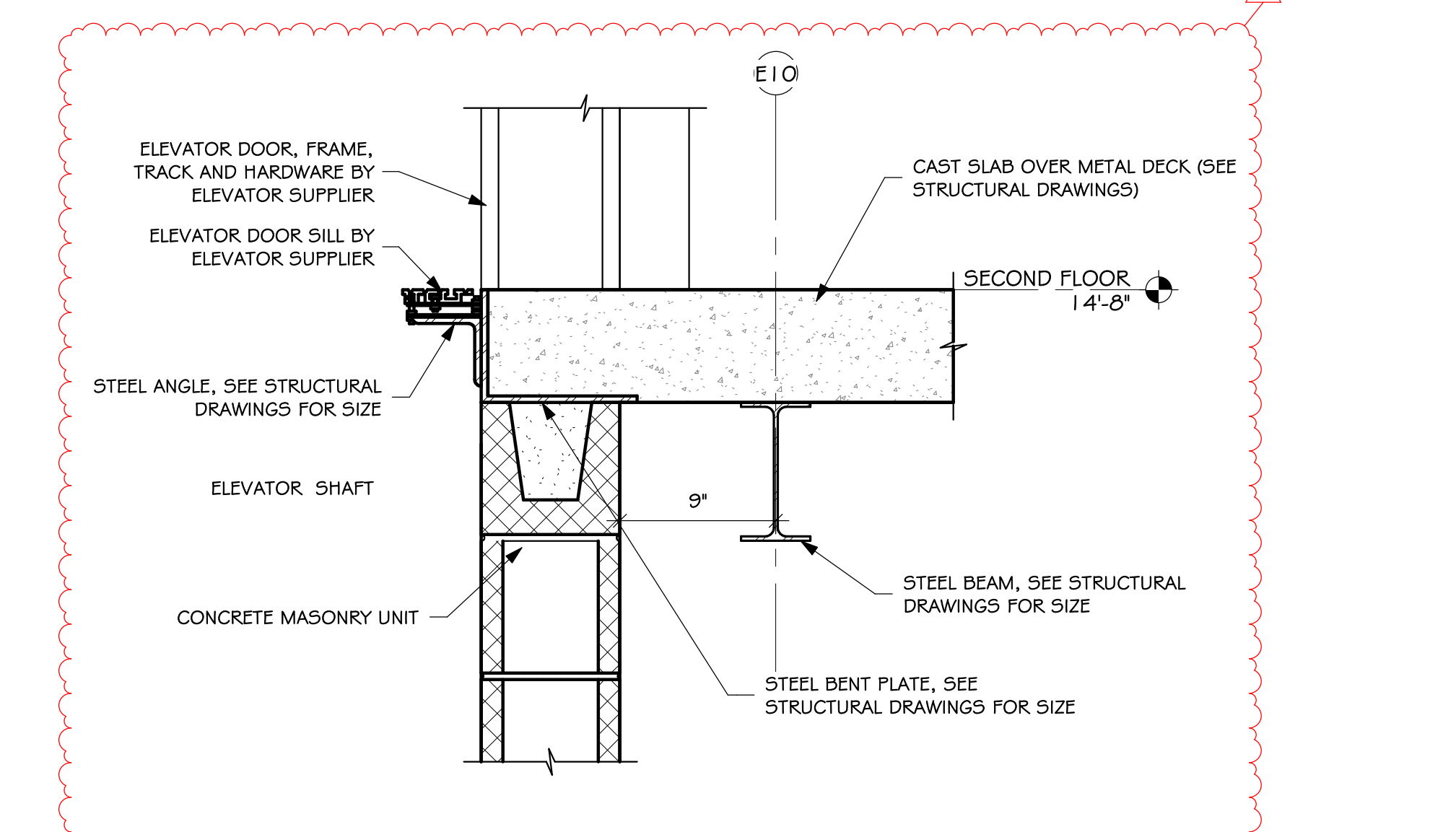
7 ELEVATOR DETAIL
SCALE: 1 1/2\"/>



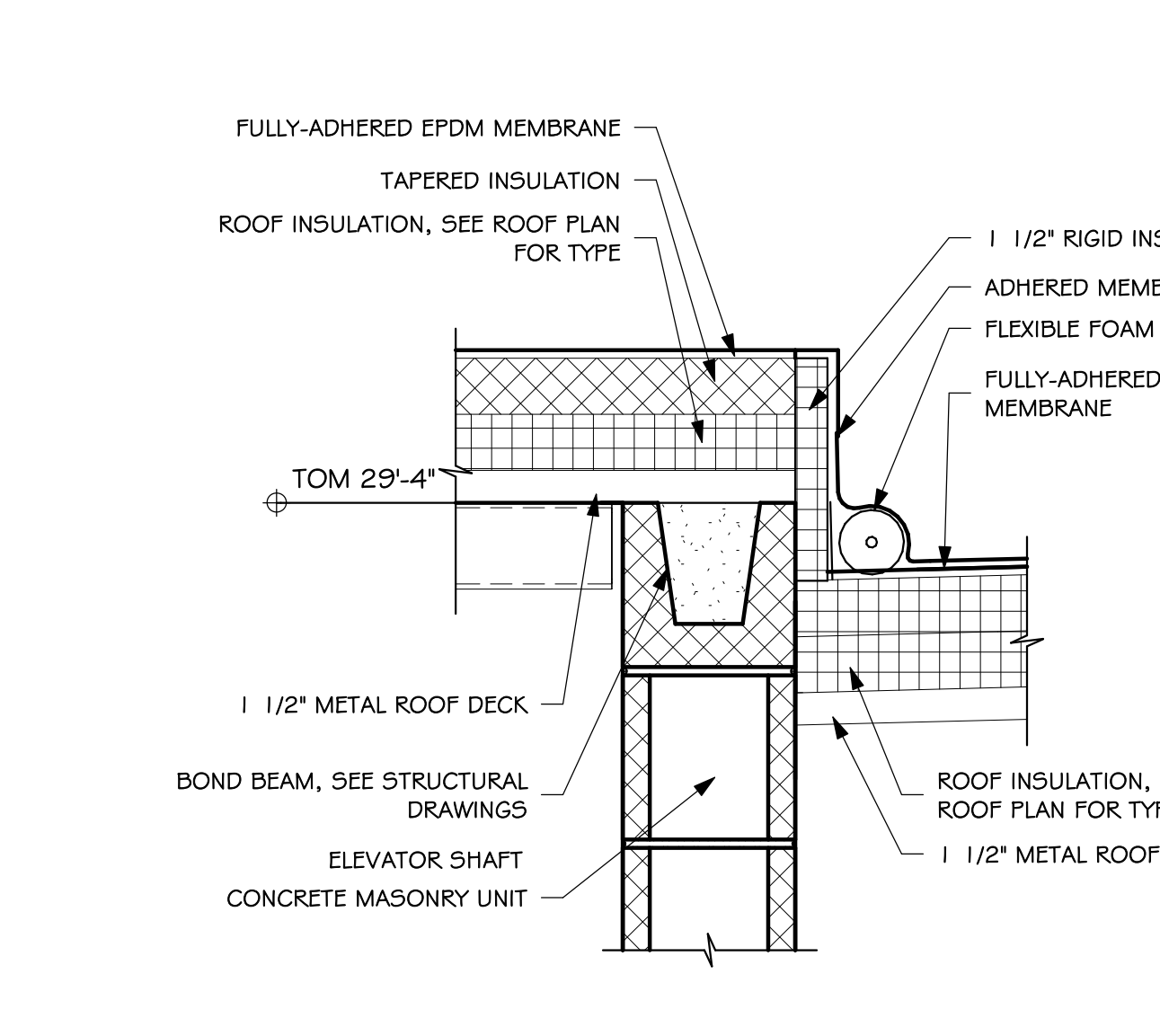
8 ELEVATOR DETAIL
SCALE: 1 1/2\"/>



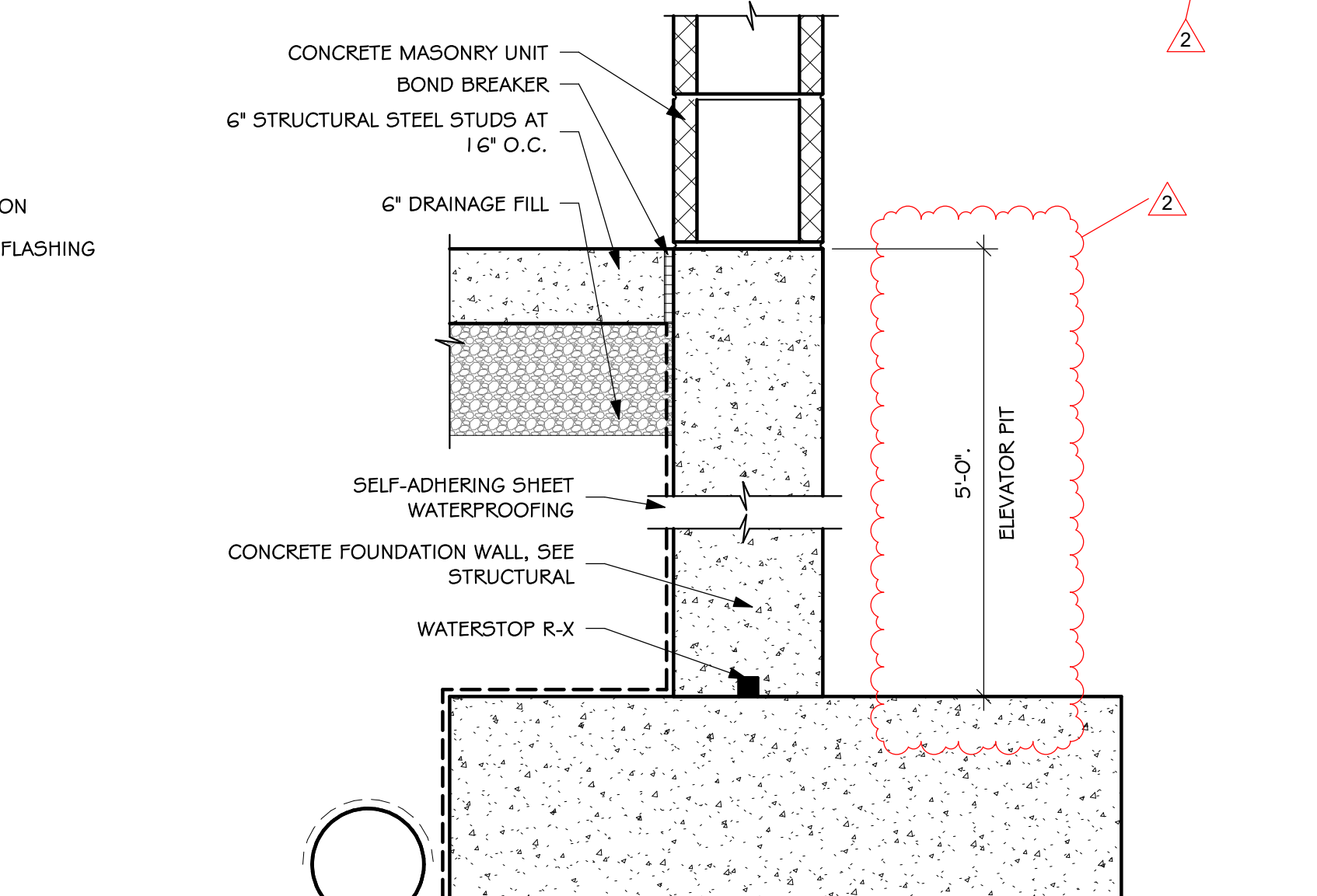
9 ELEVATOR DETAIL
SCALE: 1 1/2\"/>



10 ELEVATOR DOOR SILL DETAIL
SCALE: 1 1/2\"/>

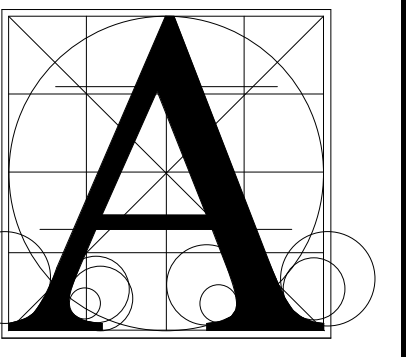


11 ELEVATOR DETAIL
SCALE: 1 1/2\"/>



12 ELEVATOR BASE DETAIL
SCALE: 1 1/2\"/>

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BALTIC HIGH SCHOOL ADDITION

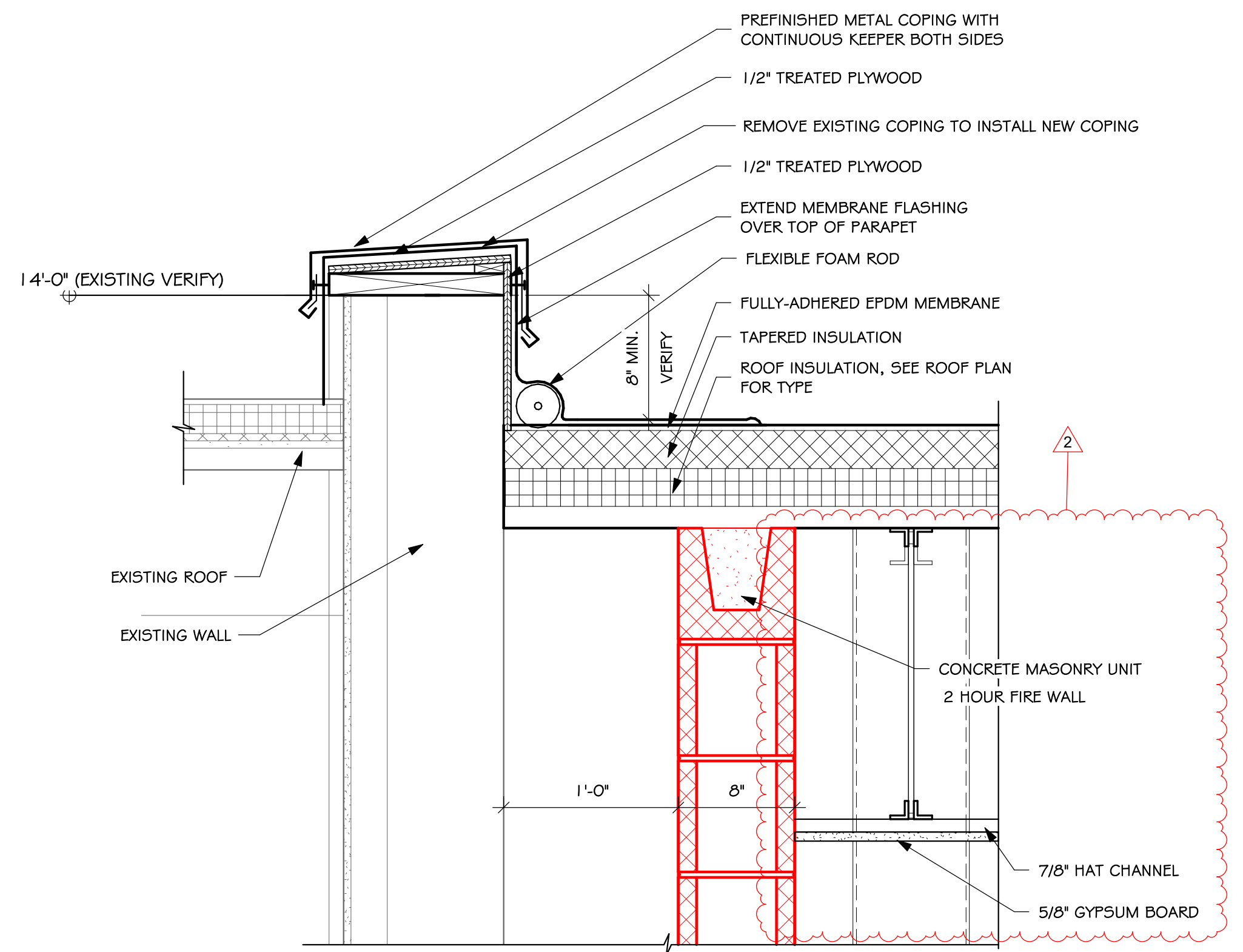
SECTION DETAILS - EXISTING/NEW

Project

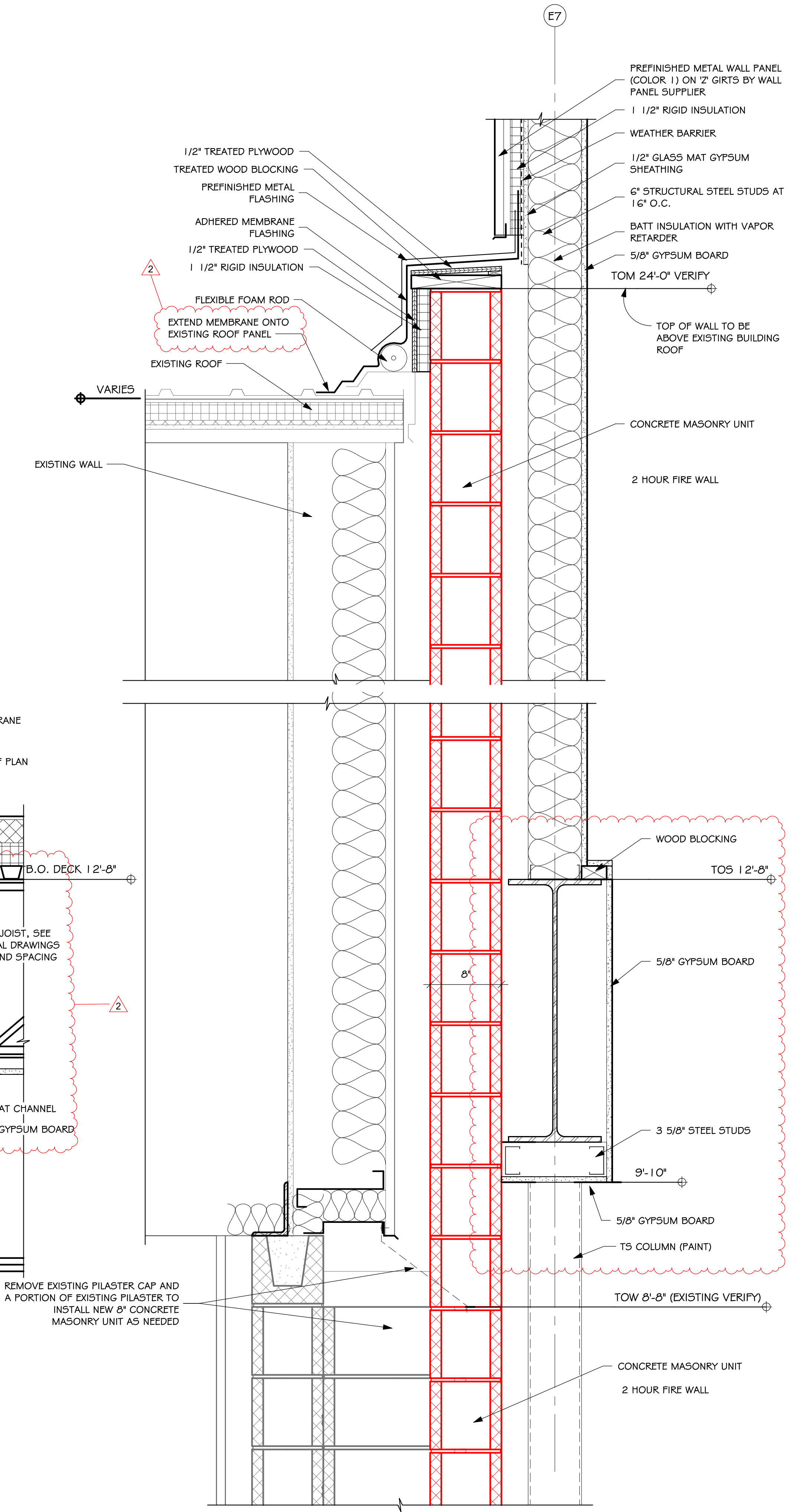
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date	DECEMBER 22, 2022	
revision		
drawn	M5 checked PEM	
NO.	DATE	DESCRIPTION
2	1/20/2023	ADDENDUM #2

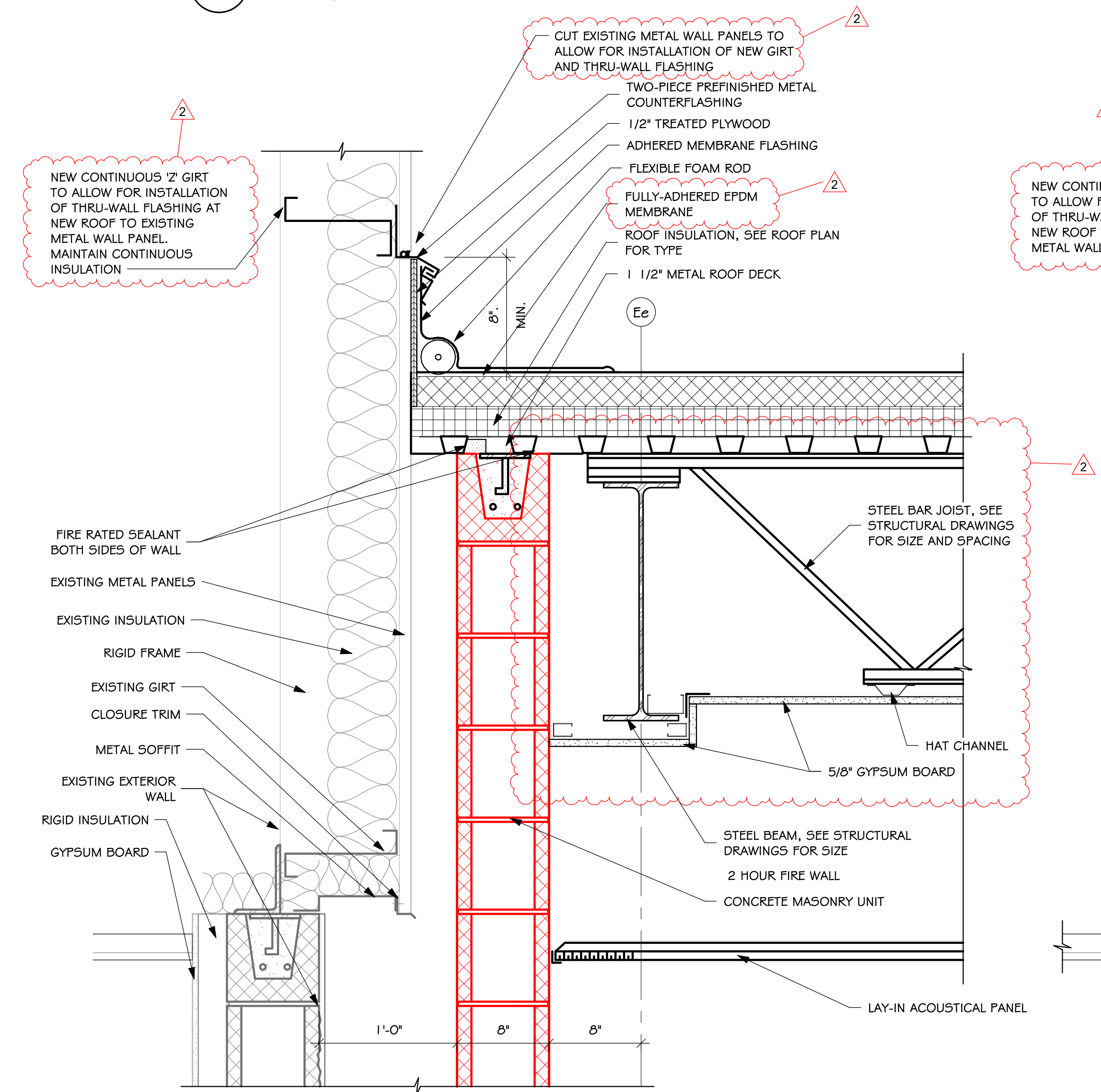
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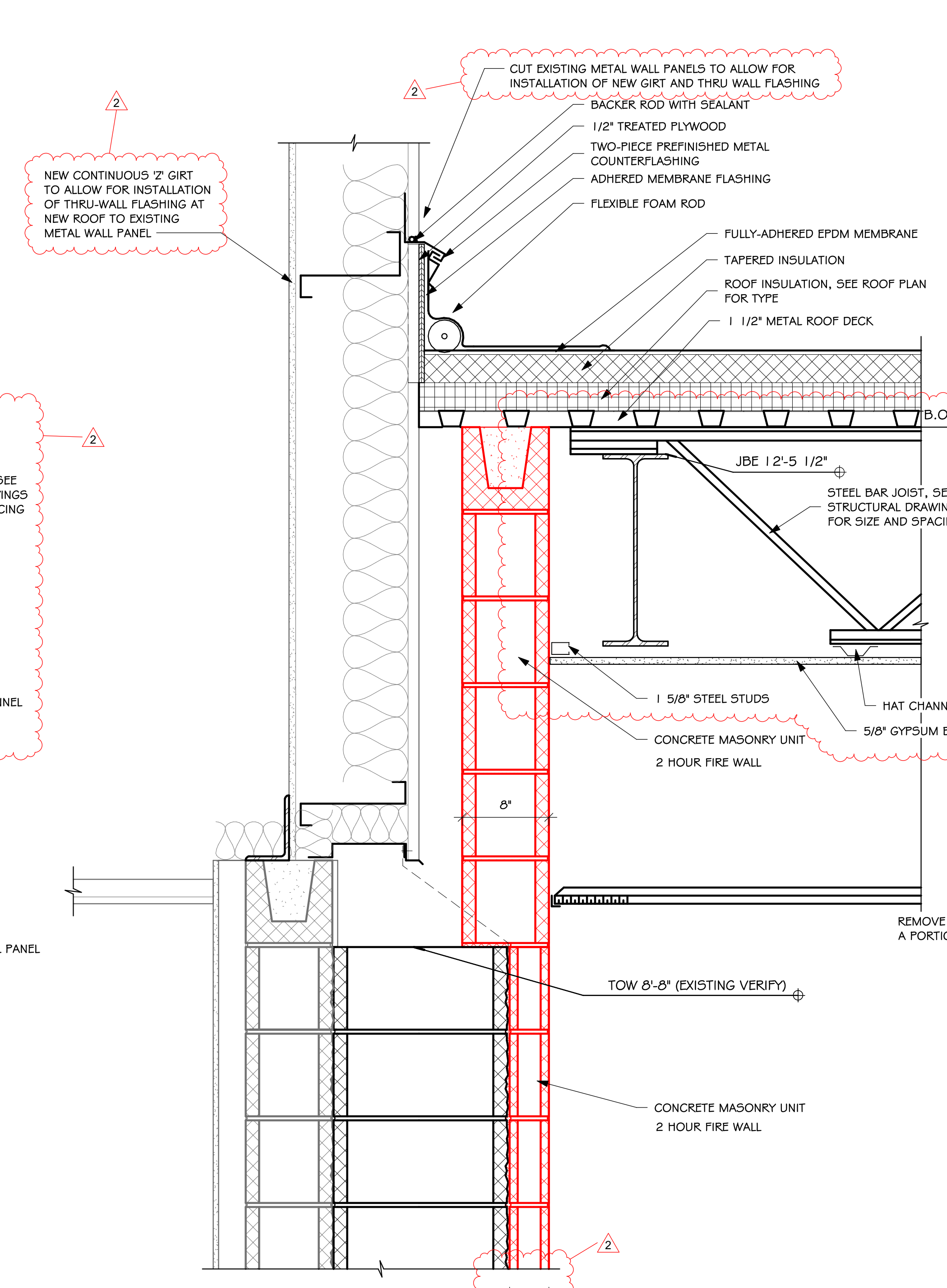
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5.40
DETAIL
SCALE: 1/2" = 1'-0"



4
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DETAIL
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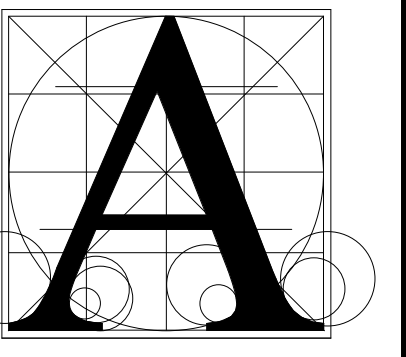


2
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DETAIL
SCALE: 1/2" = 1'-0"



3
5.40
DETAIL
SCALE: 1/2" = 1'-0"

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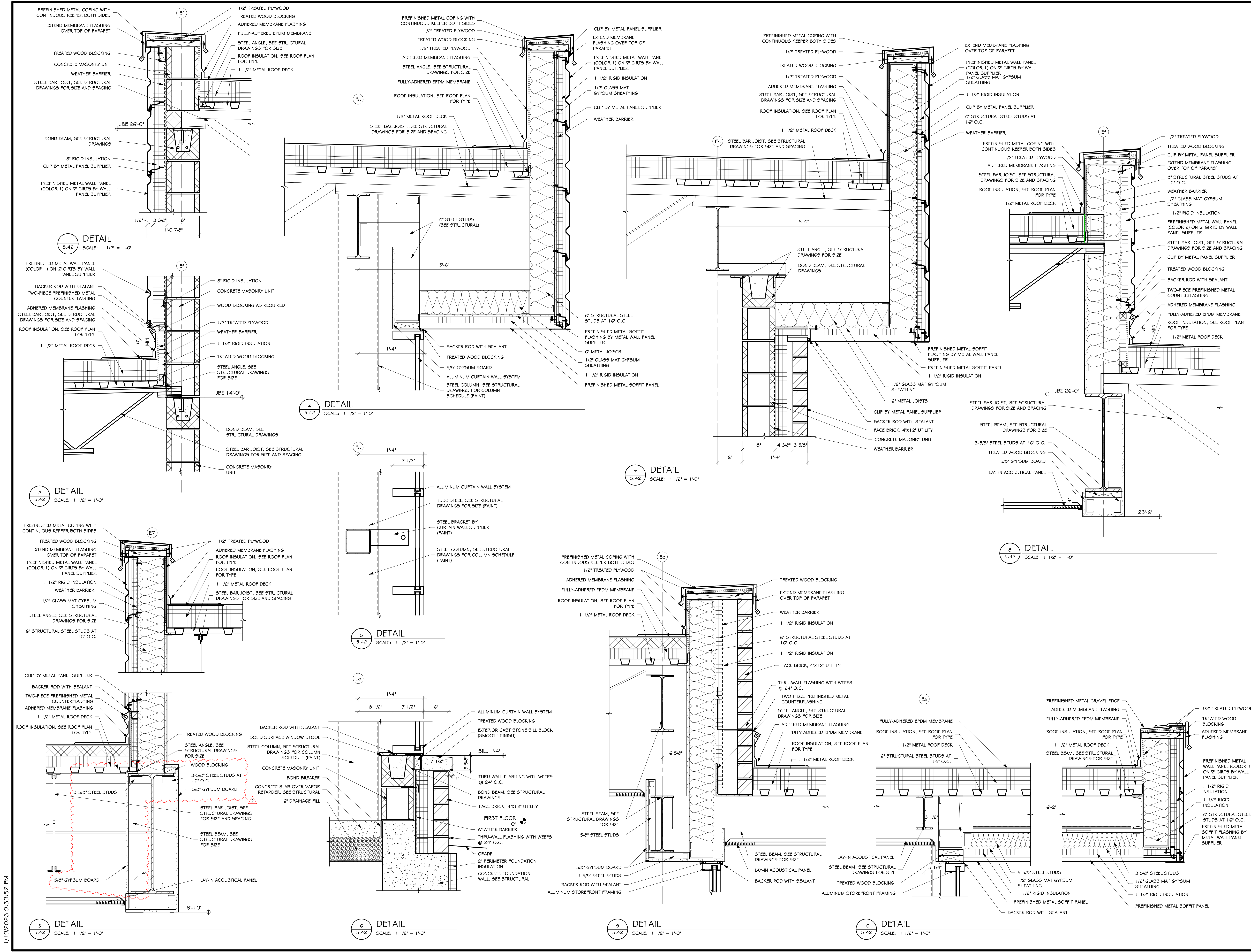
815 S Joseph Street, Suite 203
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Rapid City, South Dakota 57701
Phone: (605) 721-1158



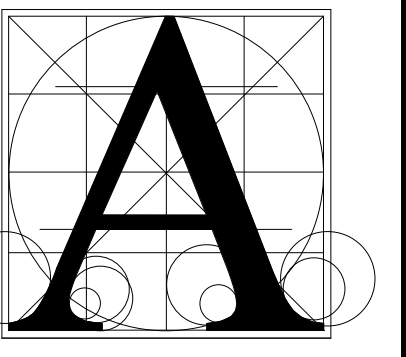
BALTIC HIGH SCHOOL ADDITION
SECTION DETAILS

Project	number: 0727.2957.21	
date	DECEMBER 22, 2022	
revision		
drawn	ZJG	
checked	PEM	
NO.	DATE	DESCRIPTION
2	1/20/2023	ADDENDUM #2

5.42



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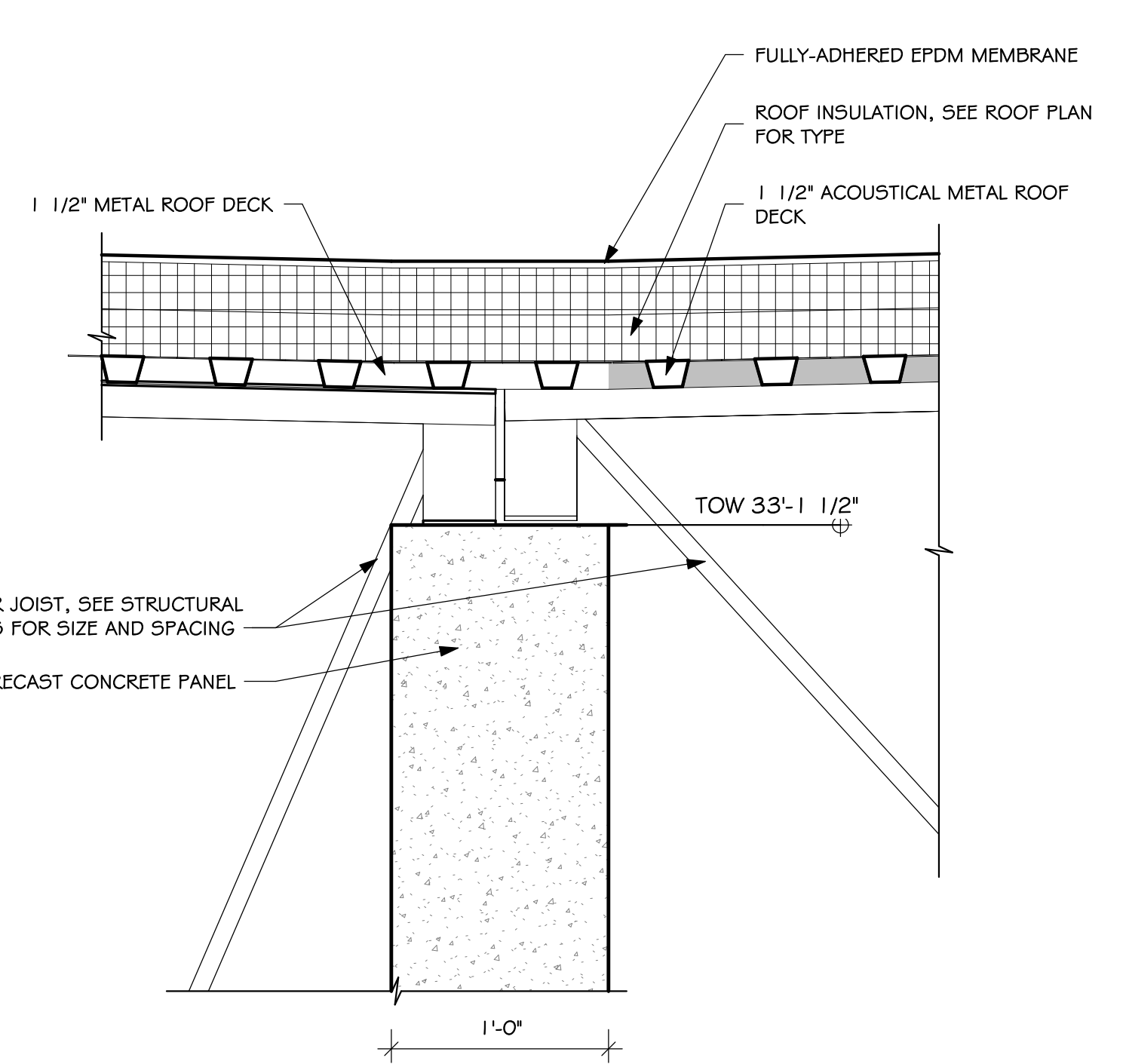


BALTIC HIGH SCHOOL ADDITION
SECTION DETAILS

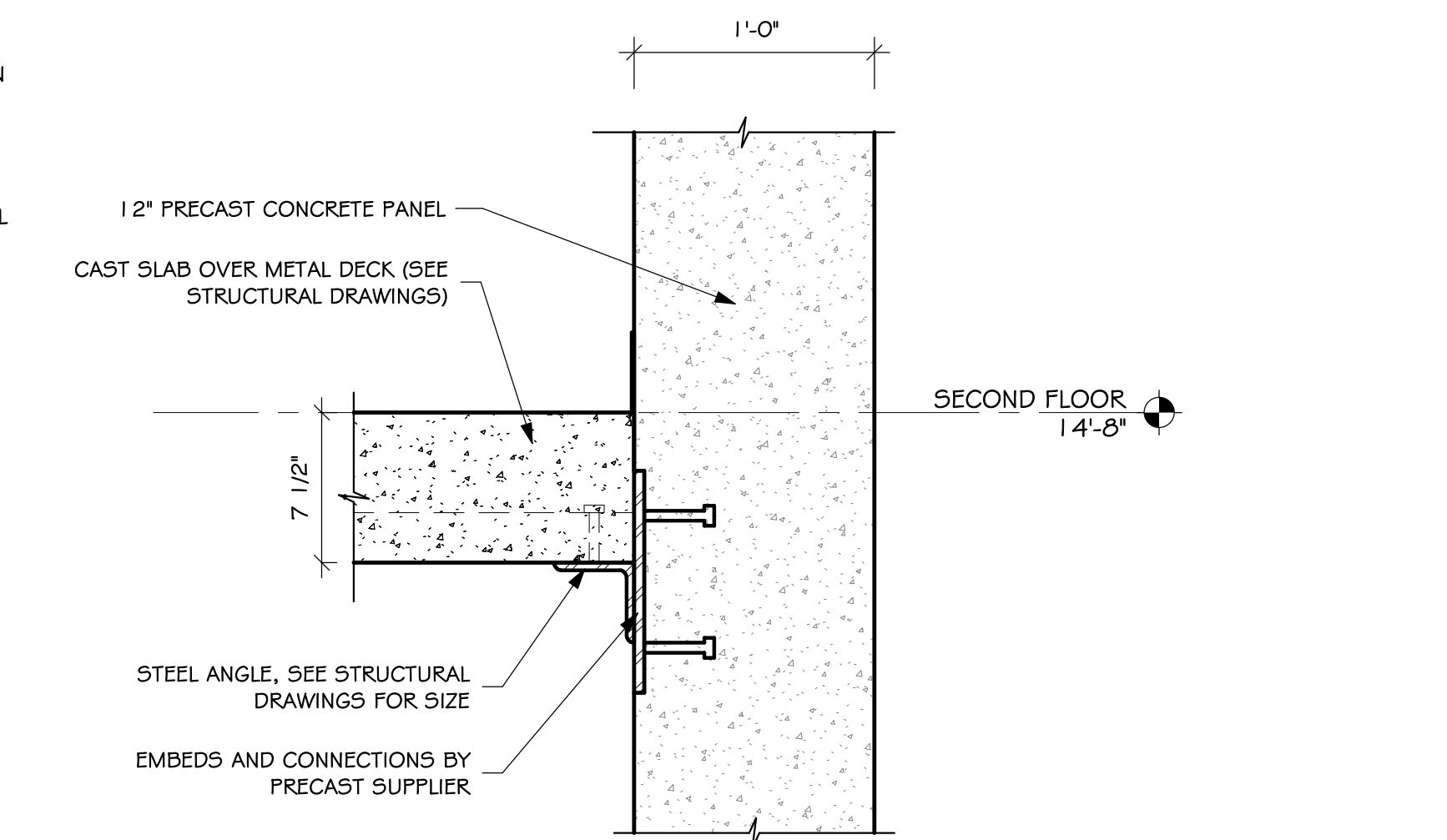
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date	DECEMBER 22, 2022
revision	
drawn	ZJG checked PEM
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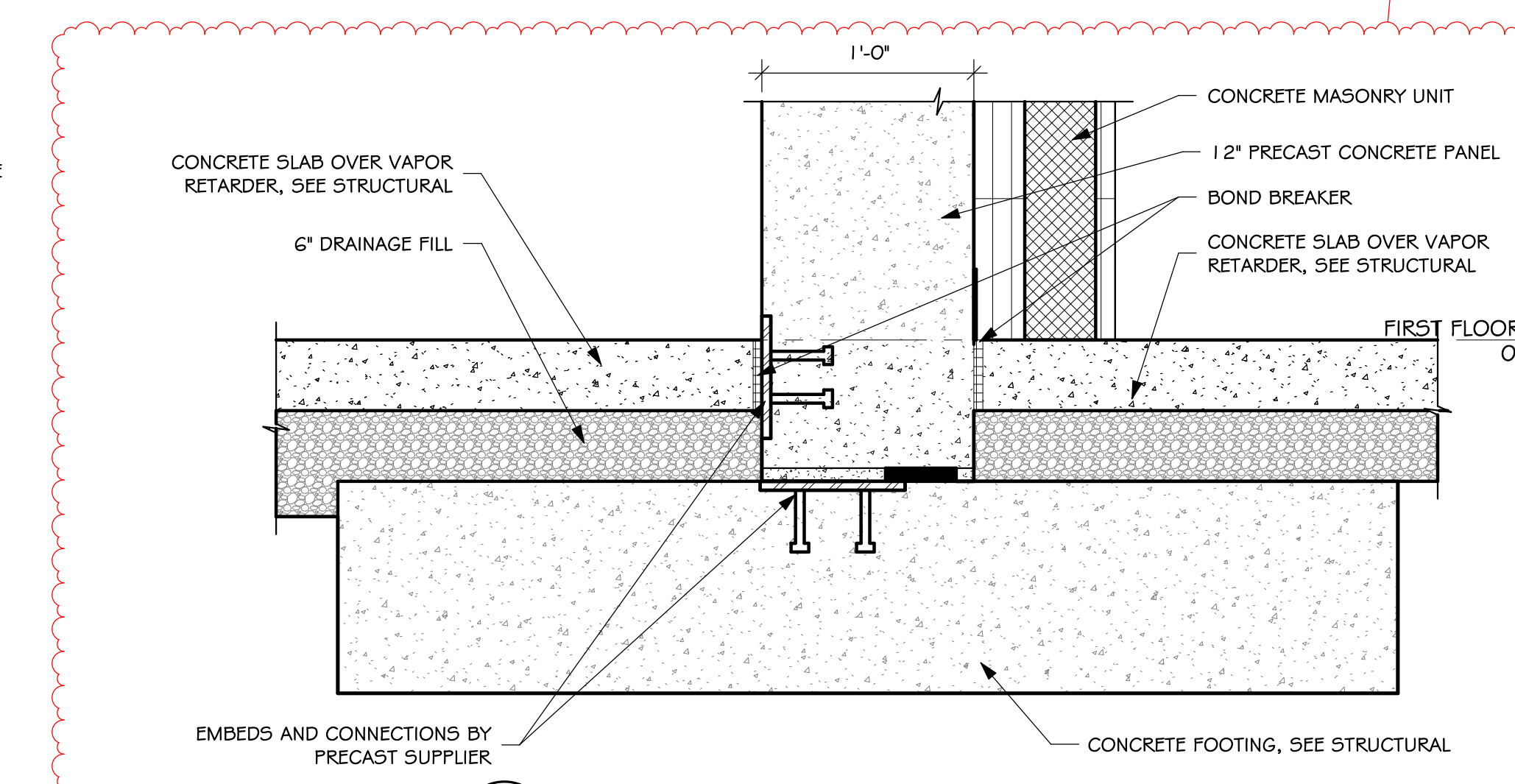
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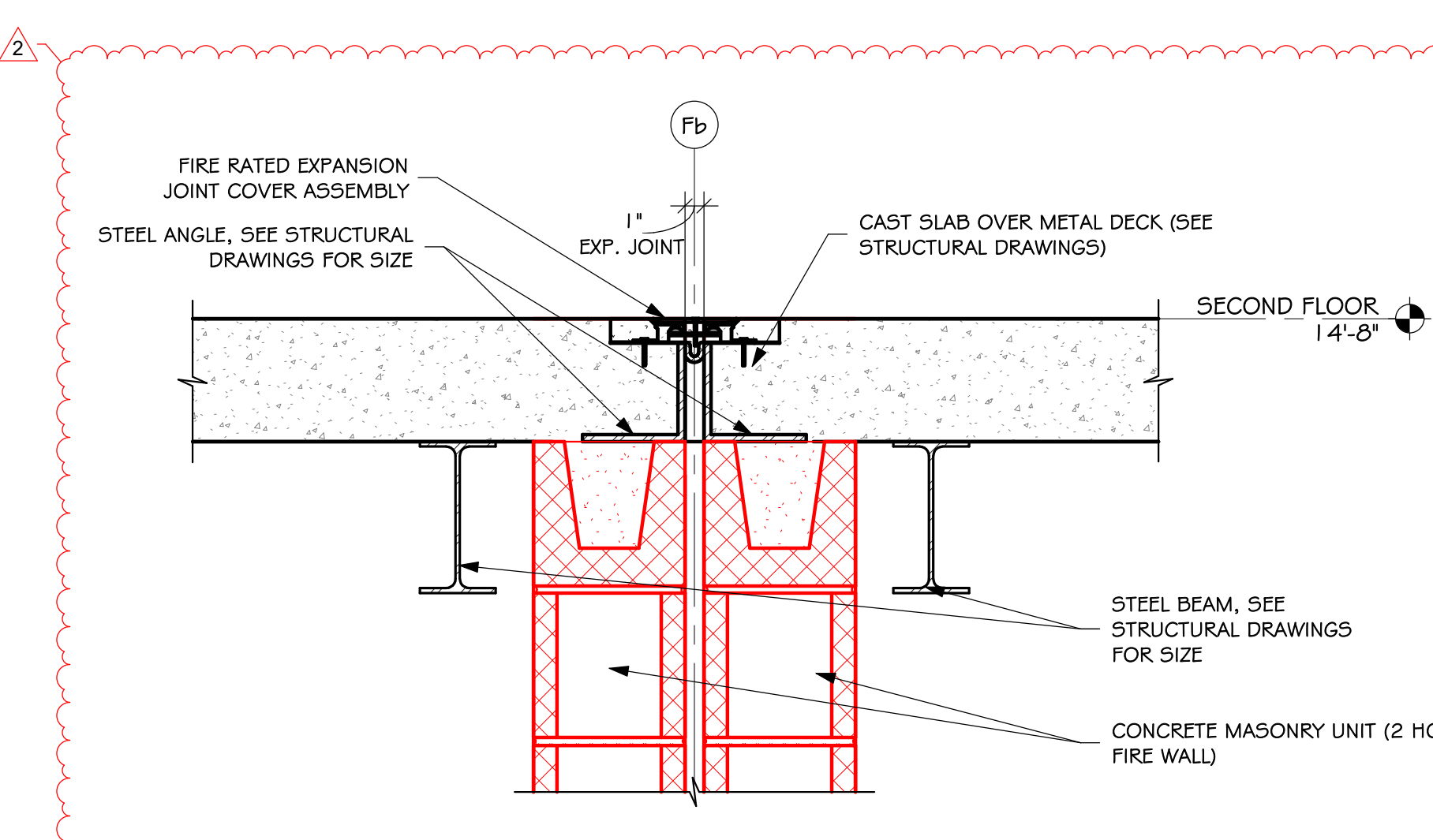
10 DETAIL
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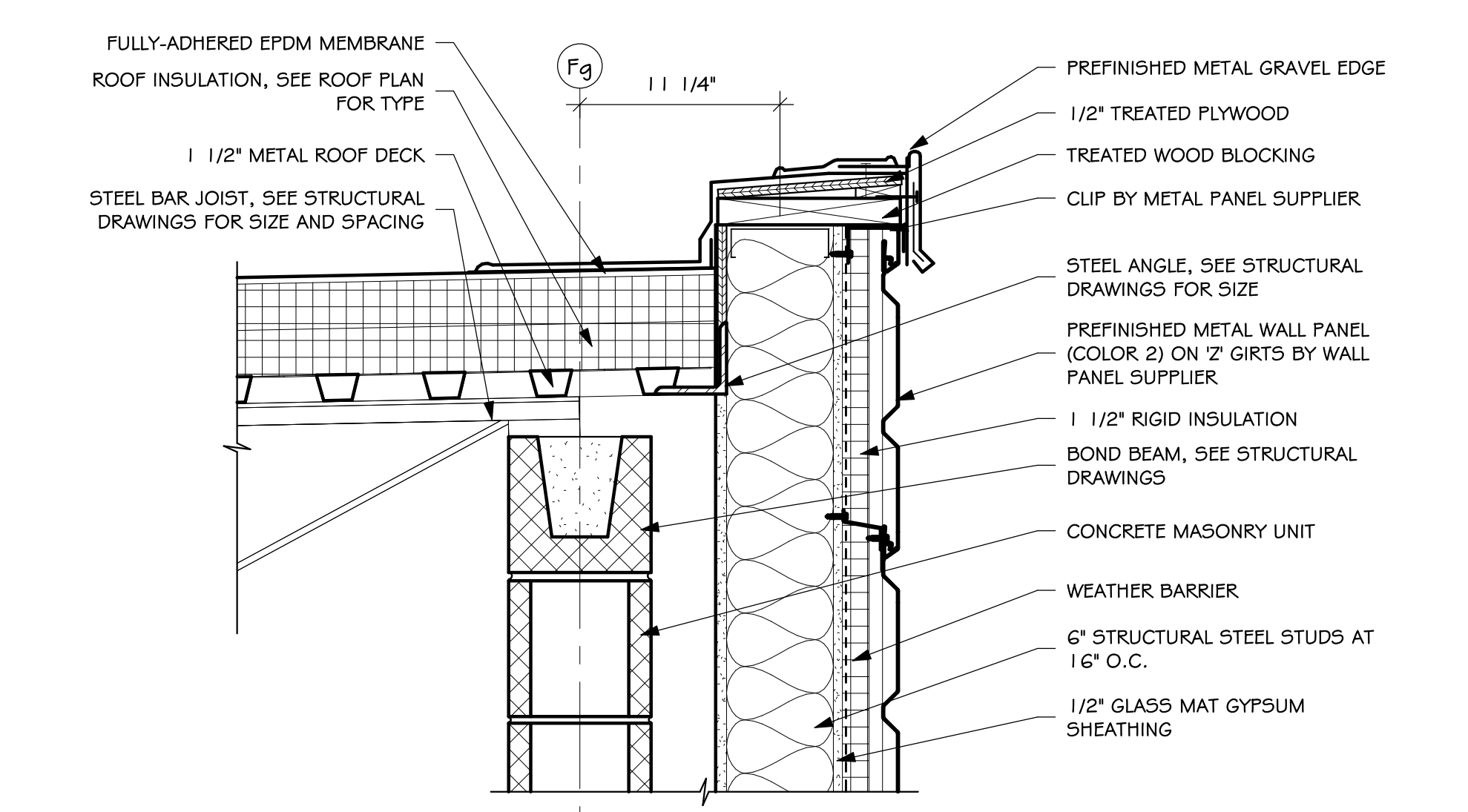
11 DETAIL
5.43 SCALE: 1/2" = 1'-0"



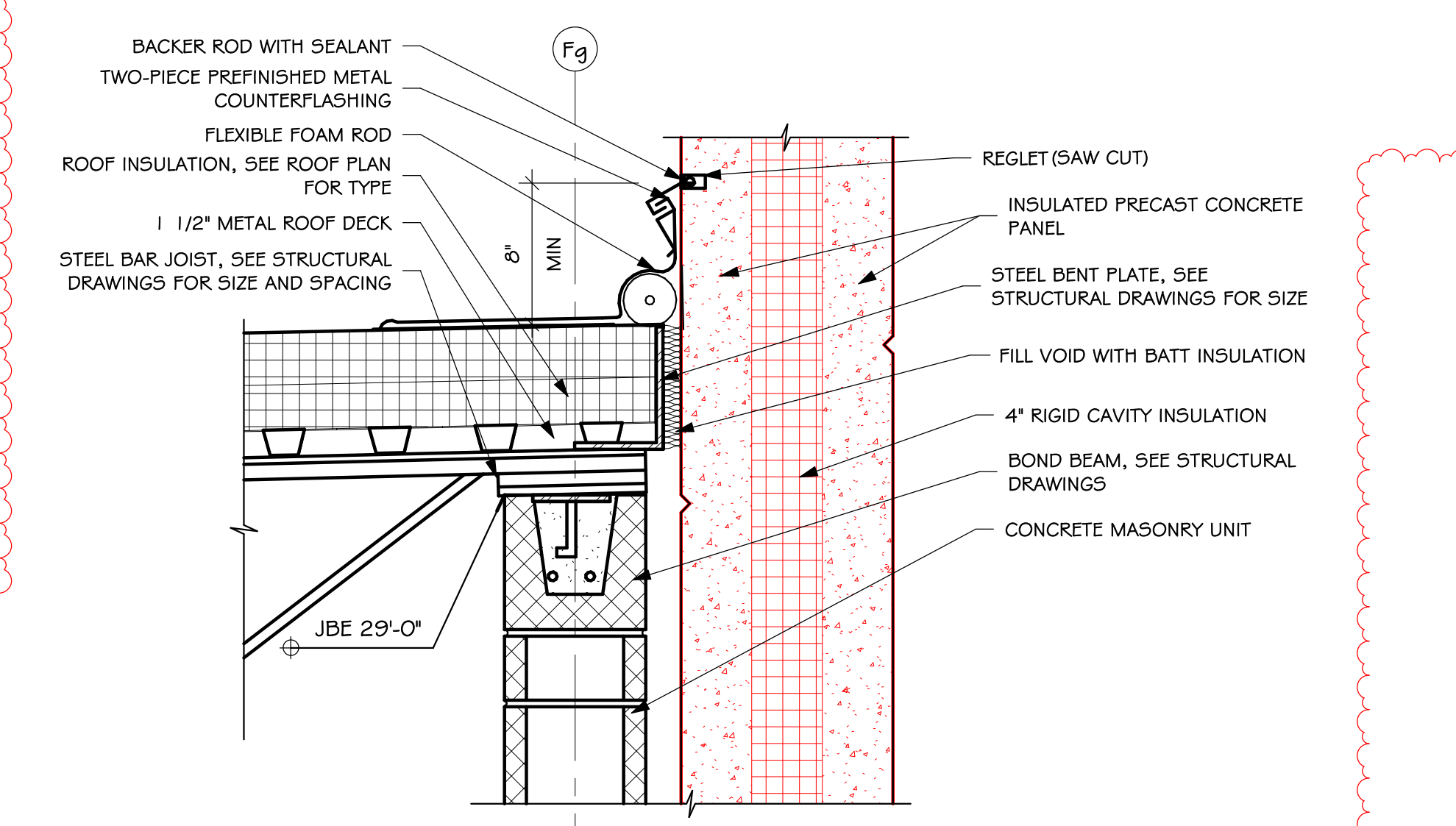
12 DETAIL
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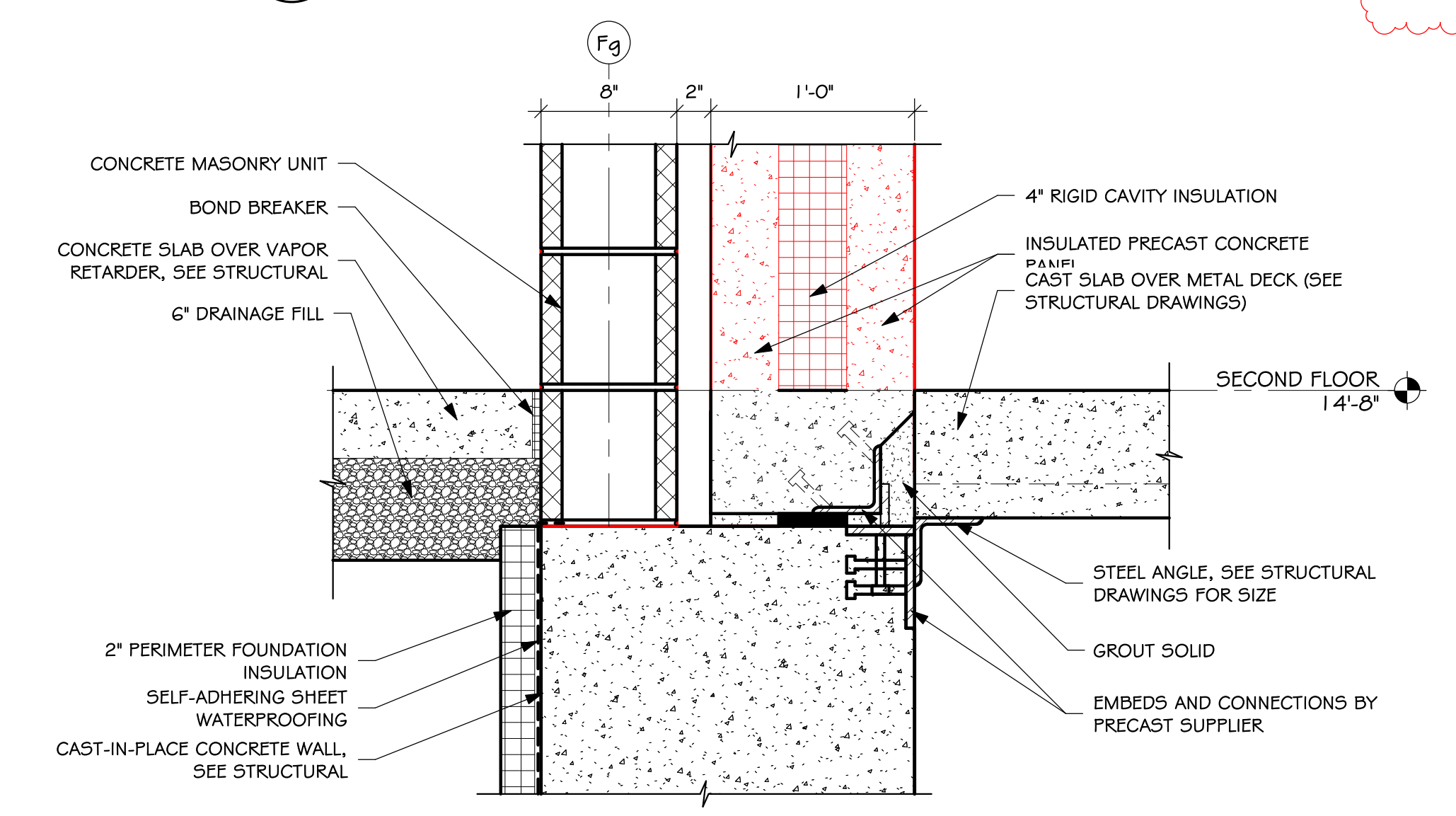
13 DETAIL - EXPANSION JOINT
5.43 SCALE: 1/2" = 1'-0"



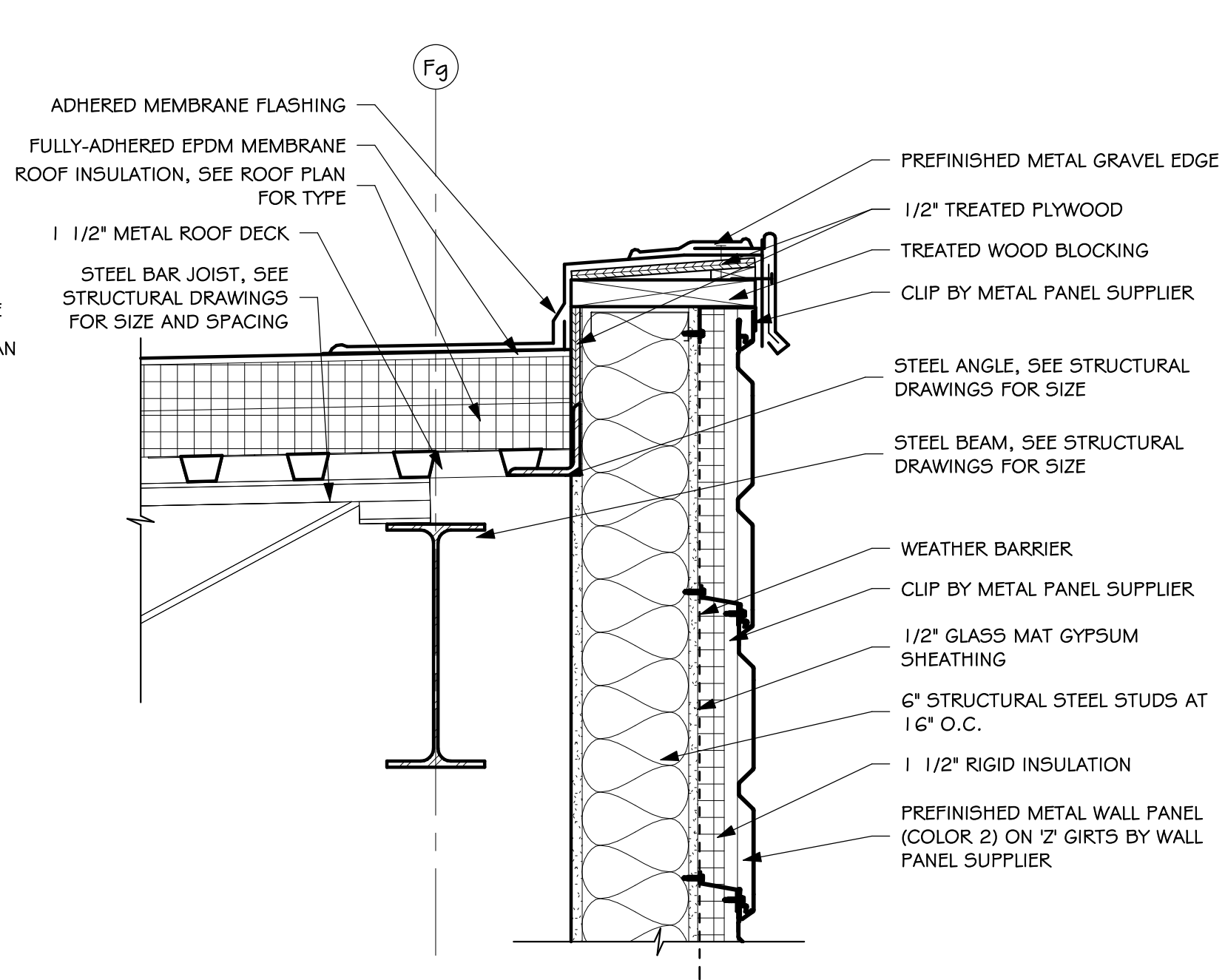
7 DETAIL
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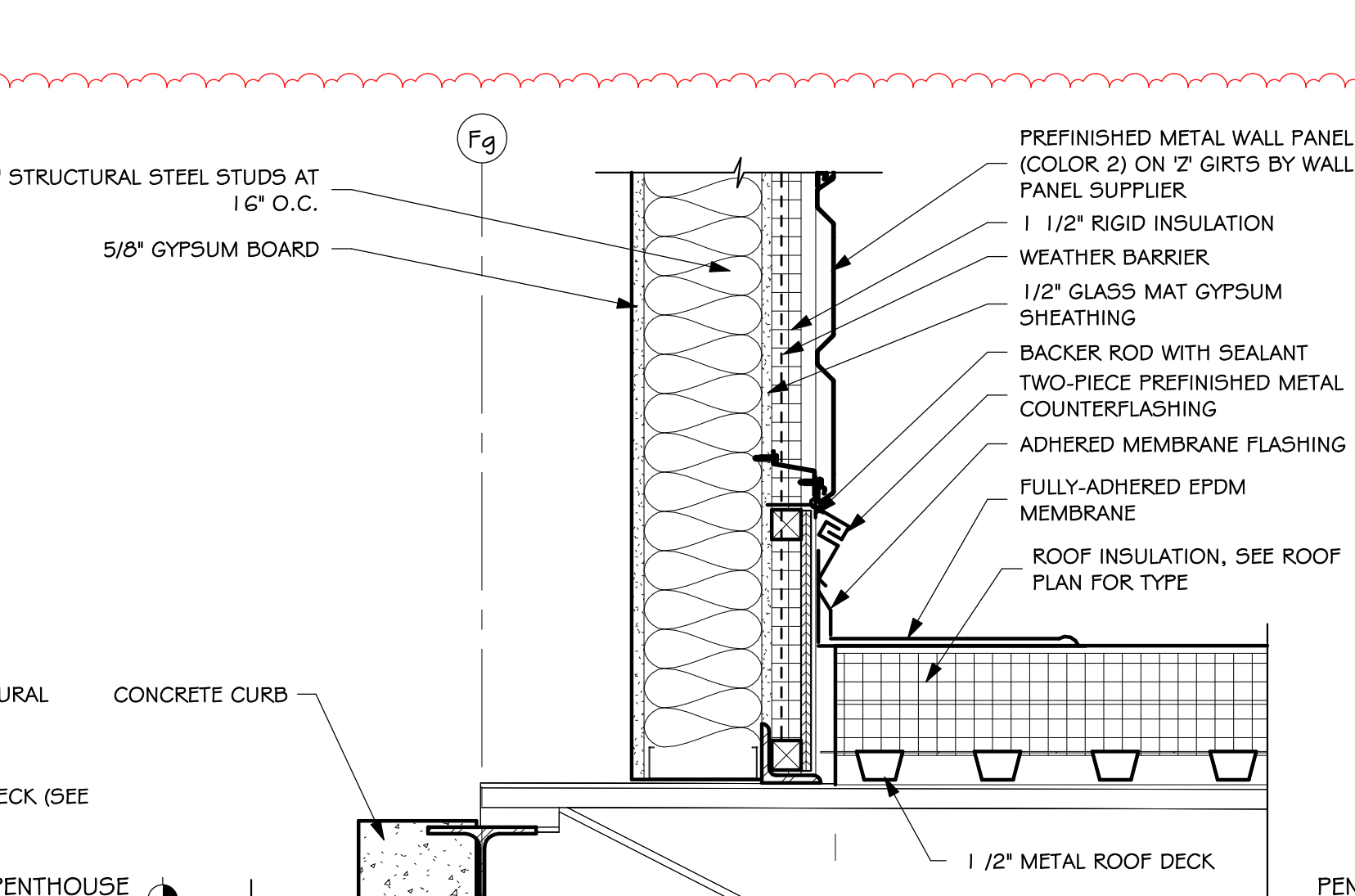
8 DETAIL
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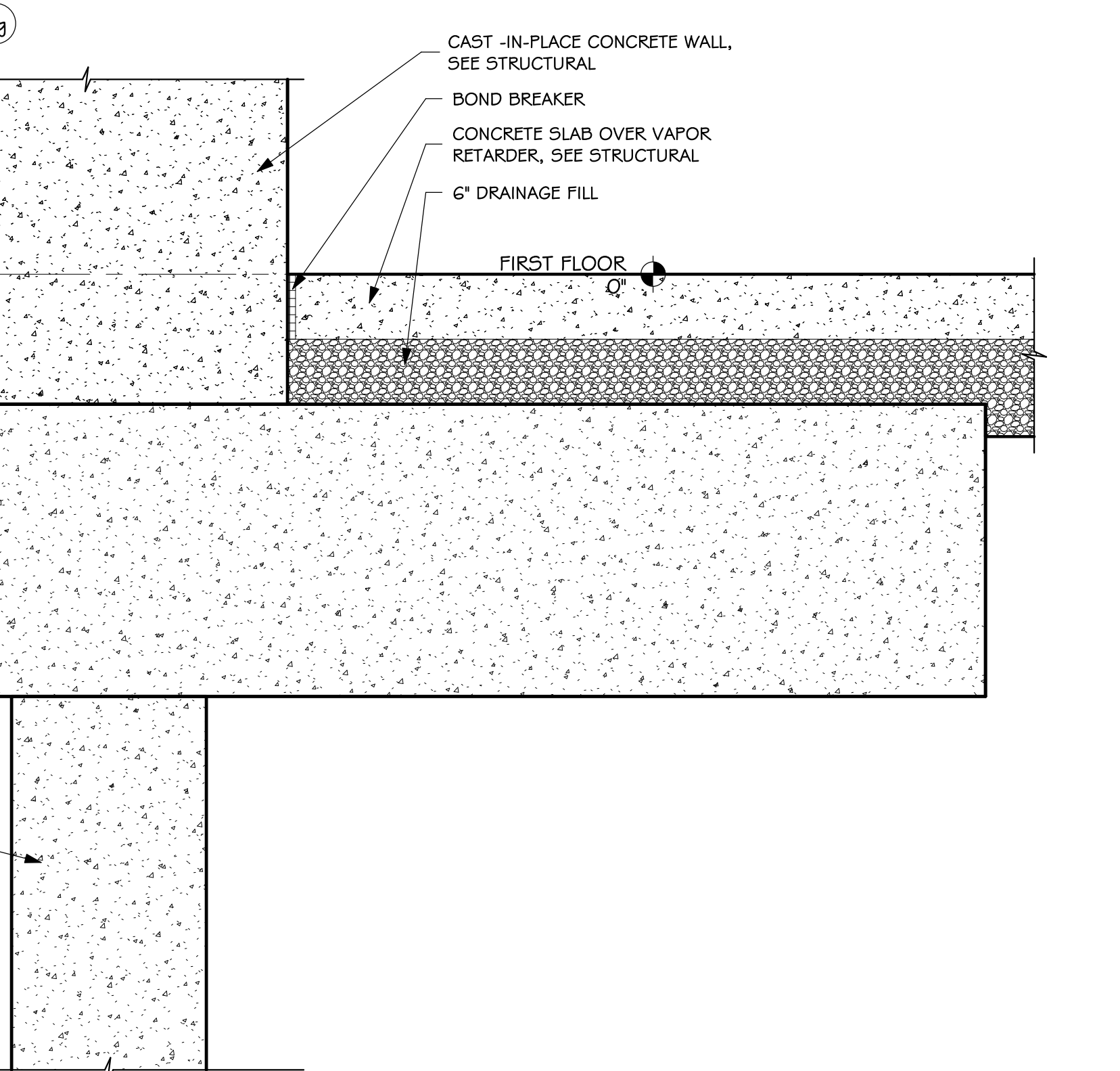
9 DETAIL
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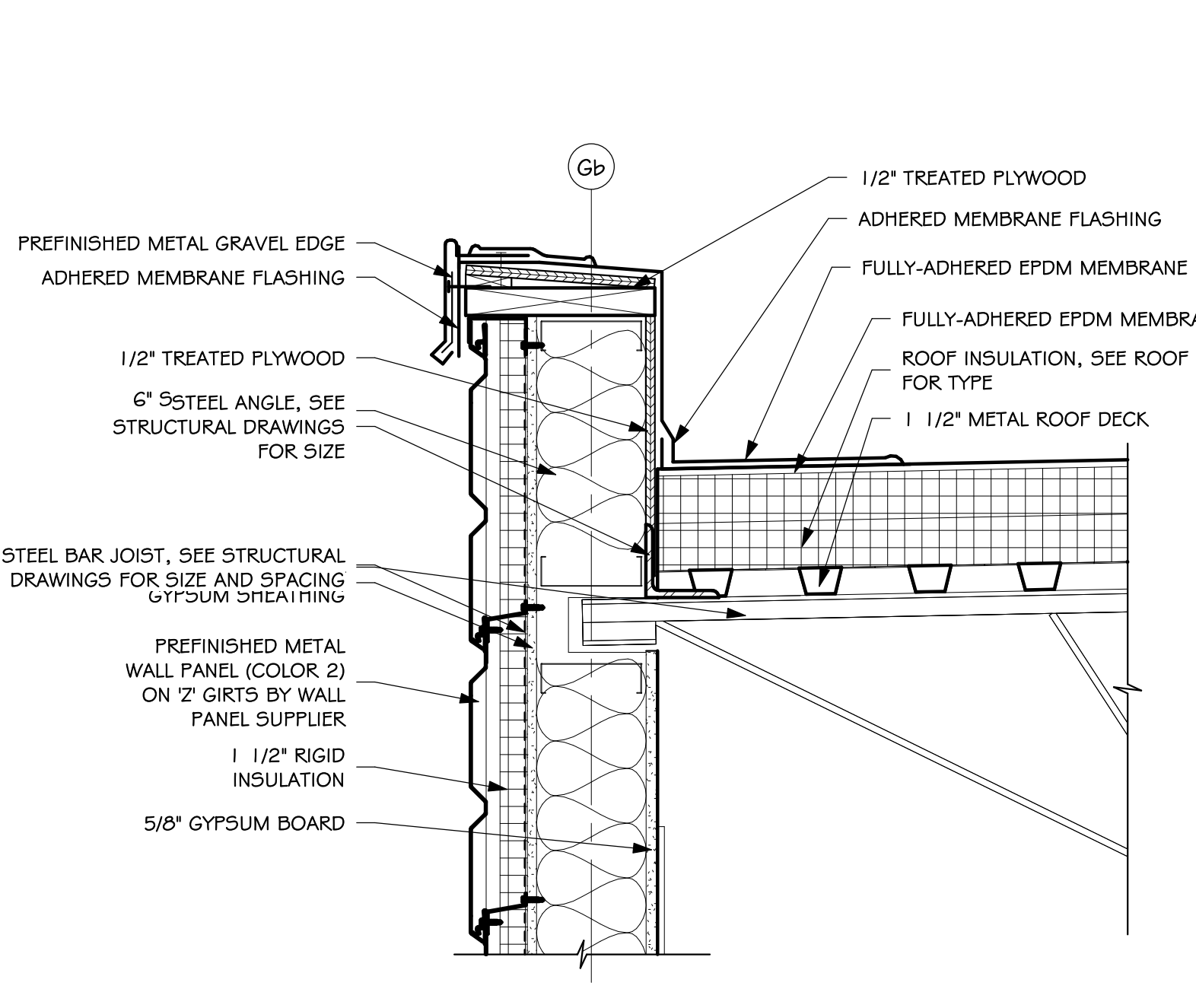
3 DETAIL
5.43 SCALE: 1/2" = 1'-0"



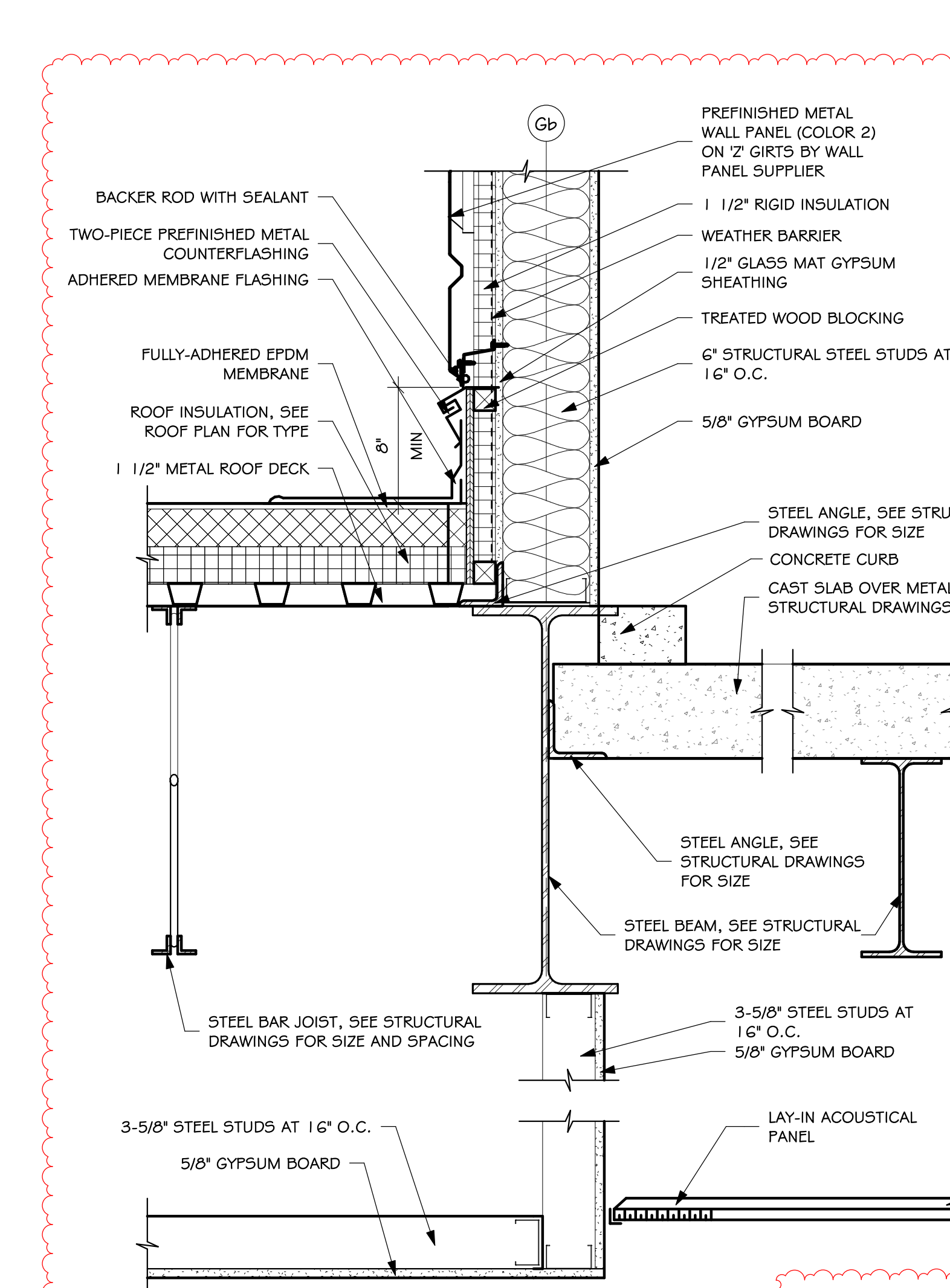
4 DETAIL
5.43 SCALE: 1/2" = 1'-0"



5 DETAIL
5.43 SCALE: 1/2" = 1'-0"

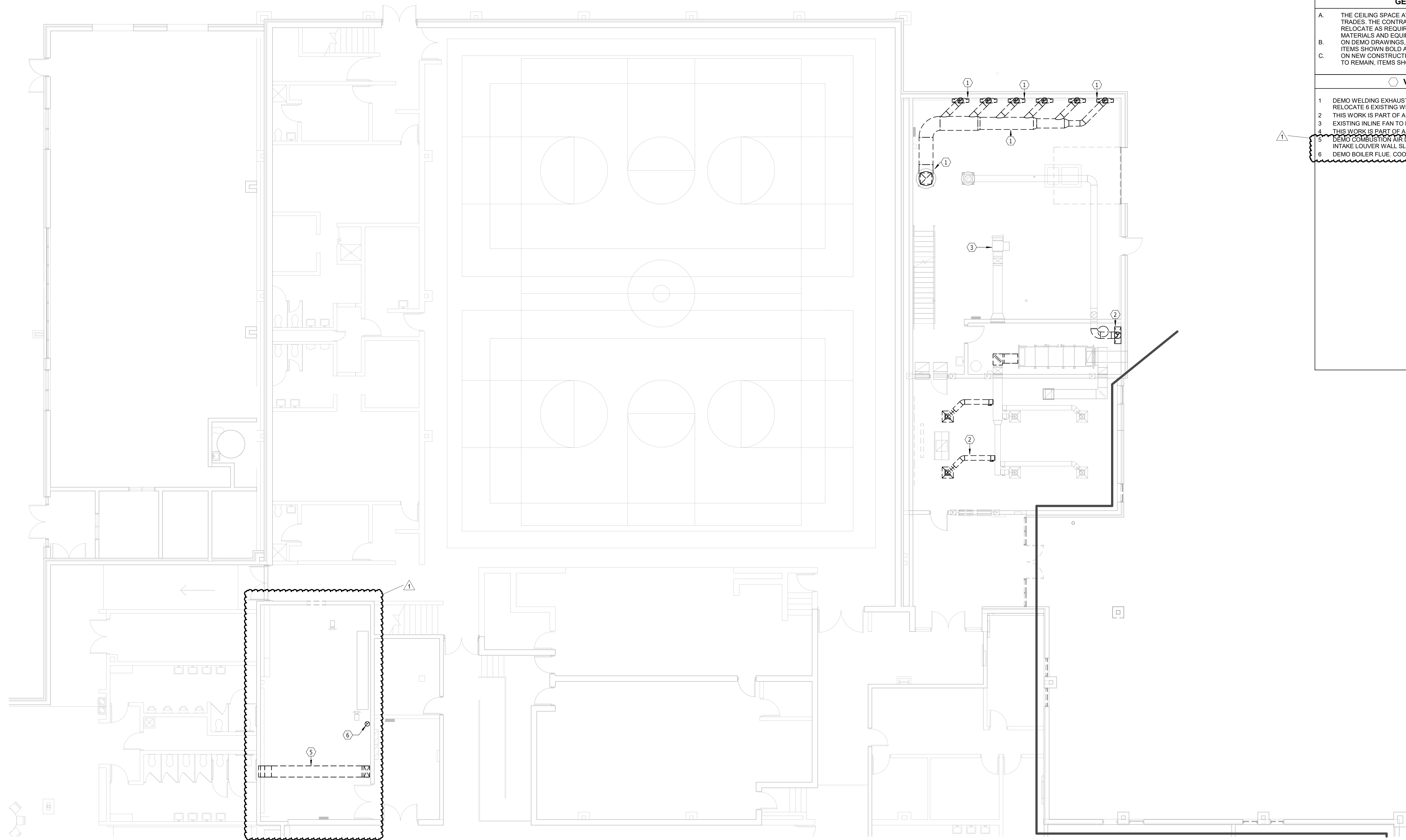


1 DETAIL
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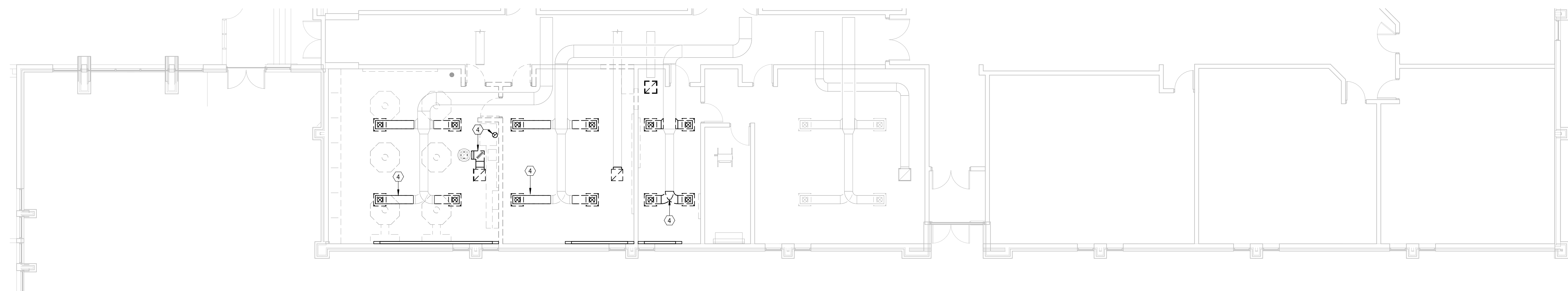


2 DETAIL
5.43 SCALE: 1/2" = 1'-0"

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N
FIRST FLOOR PLAN ALT.#2 - DEMO - VENTILATION & A/C
 SCALE 0 4 8 12 16



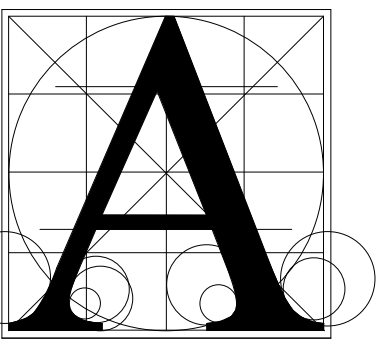
N
FIRST FLOOR PLAN ALT.#4 - DEMO - VENTILATION & A/C
 SCALE 0 4 8 12 16

GENERAL SHEET NOTES

- A. THE CEILING SPACE AVAILABLE REQUIRES COORDINATION WITH OTHER TRADES. THE CONTRACTORS SHALL PROVIDE ALL OFFSETS AND RELOCATE AS REQUIRED TO COORDINATE THE INSTALLATION OF ALL MATERIALS AND EQUIPMENT WITH OTHER TRADES.
- B. ON DEMO DRAWINGS, ITEMS SHOWN LIGHT ARE EXISTING TO REMAIN, ITEMS SHOWN BOLD ARE EXISTING TO BE REMOVED.
- C. ON NEW CONSTRUCTION DRAWINGS, ITEMS SHOWN LIGHT ARE EXISTING TO REMAIN, ITEMS SHOWN BOLD ARE NEW WORK.

VENTILATION NOTES

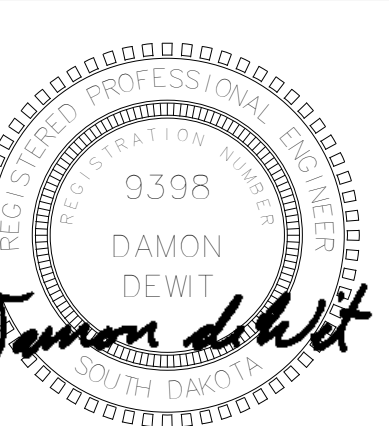
- 1 DEMO WELDING EXHAUST DUCTWORK AS PART OF BASE BID. REMOVE AND RELOCATE 6 EXISTING WELDING HOODS TO H102 METAL SHOP.
- 2 THIS WORK IS PART OF ADD ALT.#2.
- 3 EXISTING INLINE FAN TO REMAIN.
- 4 THIS WORK IS PART OF ADD ALT.#4.
- 5 DEMO COMBUSTION AIR DUCT. LOUVER TO REMAIN. INSULATE, CAP, AND SEAL INTAKE LOUVER WALL SLEEVE.
- 6 DEMO BOILER FLUE. COORDINATE ROOF PATCH WITH G.C.



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ACEI PROJ. #122033

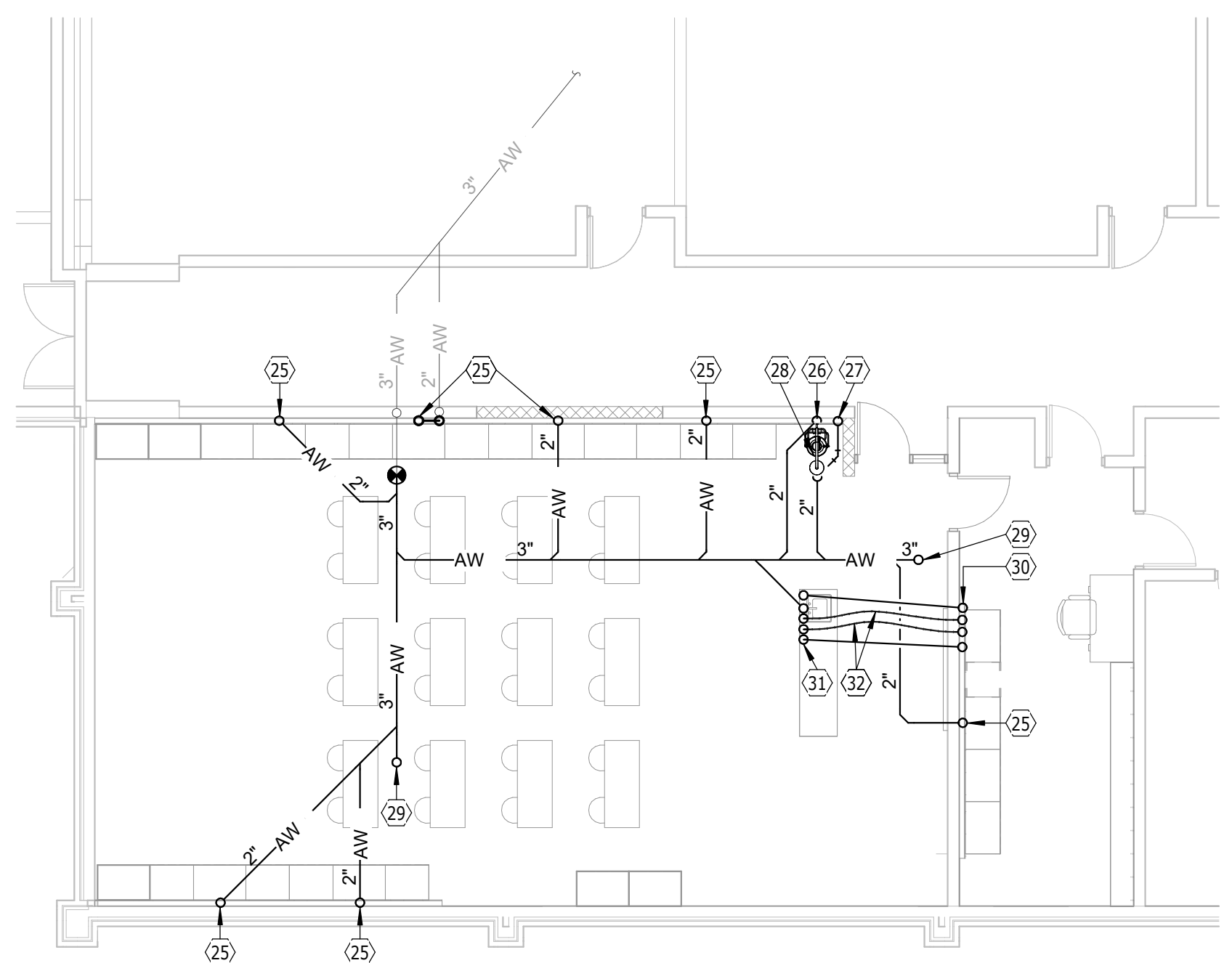
BALTIC HIGH SCHOOL ADDITION

FLOOR PLAN - DEMOLITION - VENT & A/C

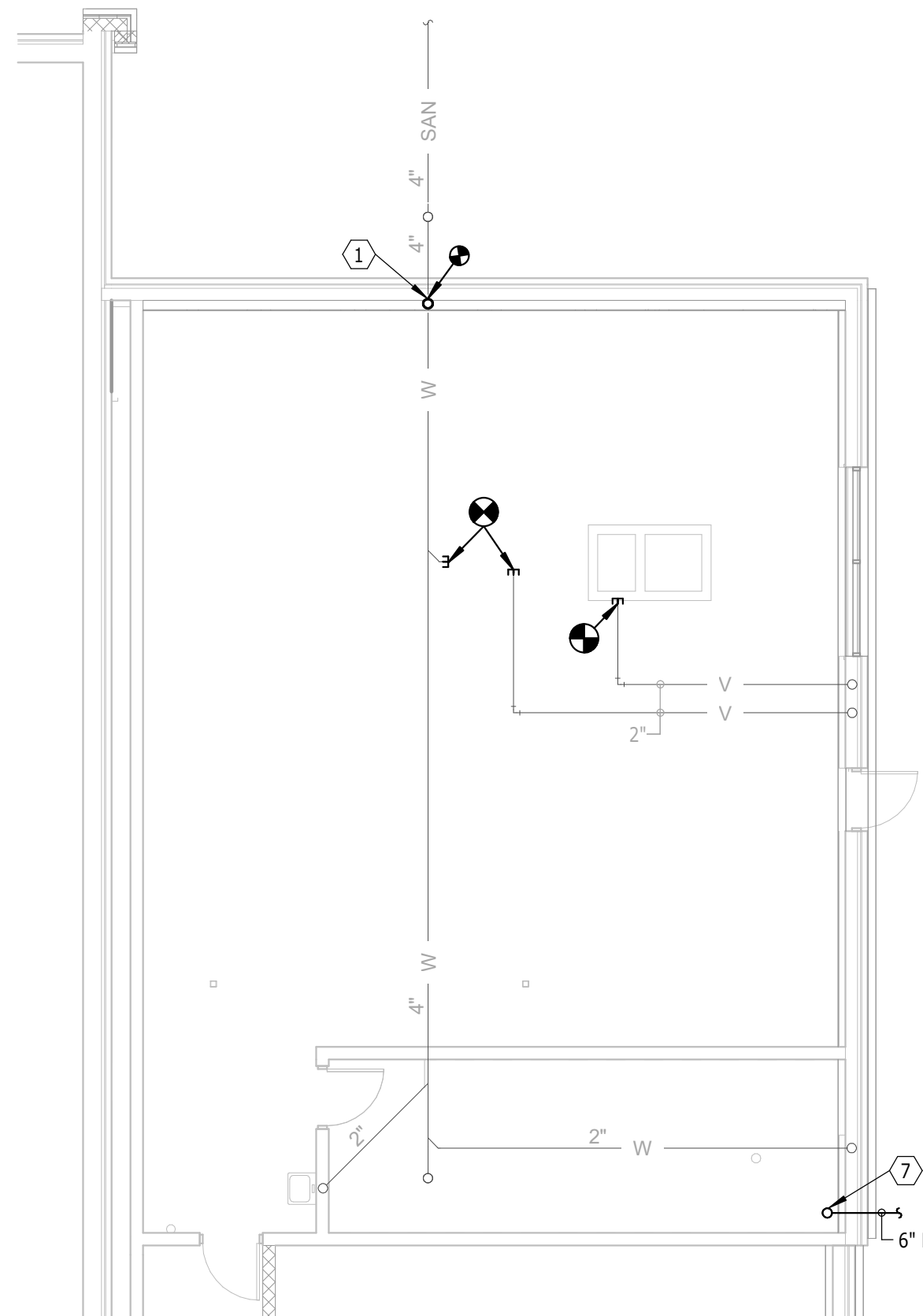
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number	0727.2957.21	
date	12-22-2022	
revision		
drawn	NJH checked Dd	
NO.	DATE	DESCRIPTION
1	1-20-23	ADDENDUM 2

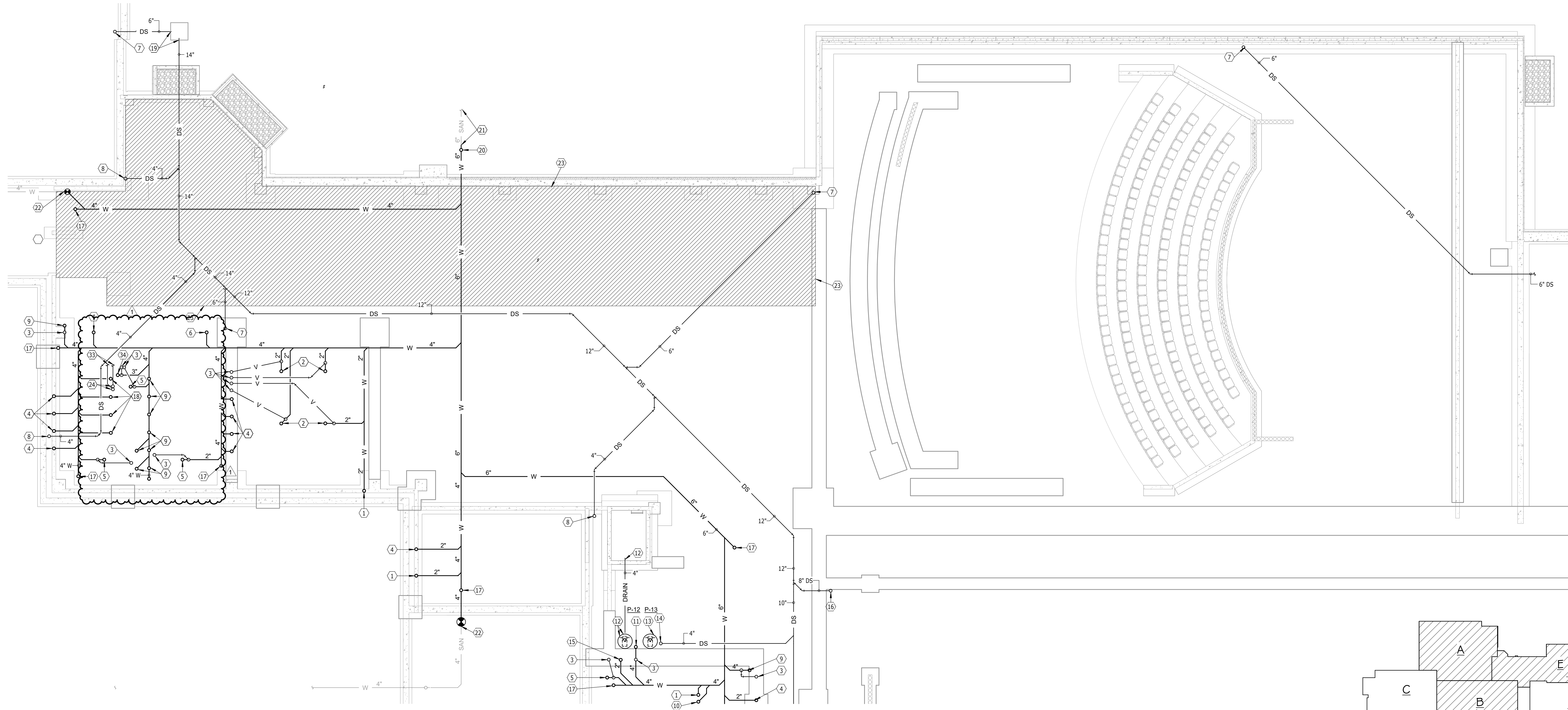
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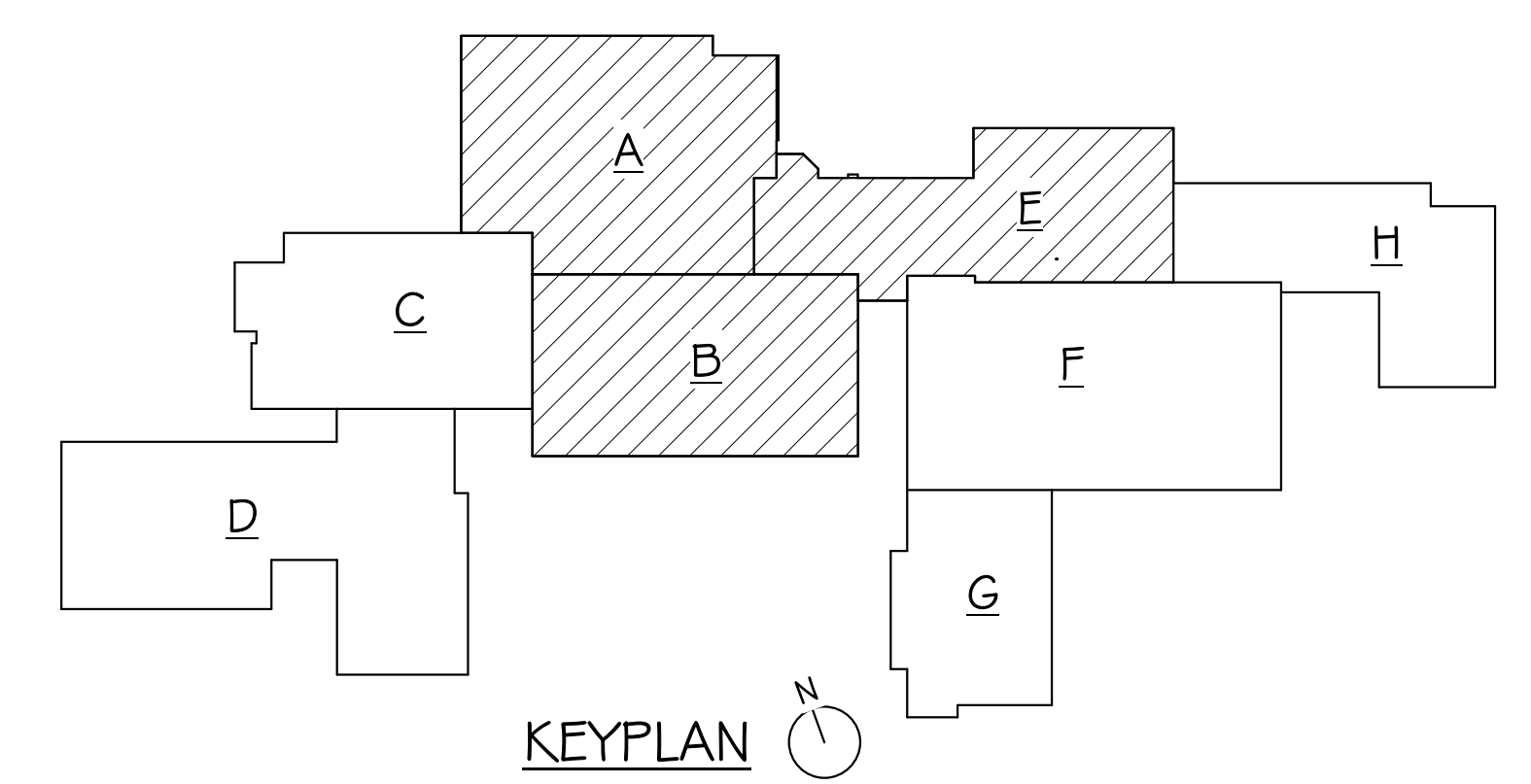
UNDERFLOOR PLAN - SCIENCE ROOM - AREA B - PLUMBING - ADD ALT 4
SCALE 0 4 8 12 16



UNDERFLOOR PLAN - ART ROOM - AREA A - PLUMBING - ADD ALT 2
SCALE 0 4 8 12 16



UNDERFLOOR PLAN - AREA E - PLUMBING
SCALE 0 4 8 12 16



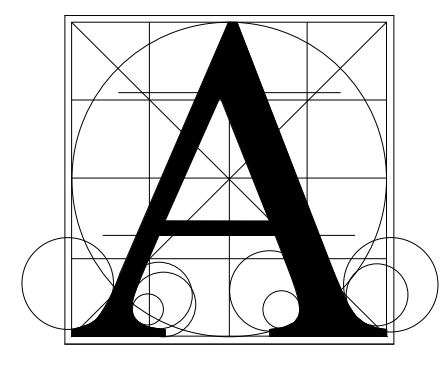
KEYPLAN

GENERAL SHEET NOTES

- A. THE CEILING SPACE AVAILABLE REQUIRES COORDINATION WITH OTHER TRADES. THE CONTRACTORS SHALL PROVIDE ALL OFFSETS AND RELOCATE AS REQUIRED TO COORDINATE THE INSTALLATION OF ALL MATERIALS AND EQUIPMENT WITH OTHER TRADES.
- B. ON DEMO DRAWINGS, ITEMS SHOWN LIGHT ARE EXISTING TO REMAIN, ITEMS SHOWN BOLD ARE EXISTING TO BE REMOVED.
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PLUMBING & HEATING NOTES

- INFLOOR HEAT ZONE AREA E : 2960 SQ FT., 93 MBH, 9.3 GPM, 10 CIRCUITS, 5/8" TUBING, 12' SPACING
- 1 2" W UP TO SK
- 2 2" W UP TO FSK
- 3 2" W UP
- 4 2" W UP TO LAV
- 5 2" W UP TO FD
- 6 2" W UP TO EWC
- 7 6" DS UP
- 8 4" DS UP
- 9 4" W UP TO WC
- 10 2" W STACK UP
- 11 4" W UP TO HD STUBBED 4" AFF
- 12 24" DIA X 6'-0" DEEP ELEVATOR SUMP BASIN & PUMP. EXTEND 4" PVC DRAIN MTD FLUSH WITH BOTTOM OF ELEVATOR FIT TO BASIN. EXTEND 2" DISCH FROM SUMP PUMP WITH INDIRECT CONNECTION TO HUB DRAIN STUBBED AFF
- 13 24" DIA X 6'-0" DEEP DRANTILE SUMP BASIN WITH SUMP PUMP. EXTEND 2" DRAIN FROM PUMP TO DOWNSPOUT PIPING STUBBED AFF
- 14 4" DS STUBBED UP 4" AFF
- 15 2" W UP TO UB
- 16 8" DS UP
- 17 4" W UP TO CO
- 18 2" W UP TO UR
- 19 CONNECT DS PIPING TO JUNCTION BOX PROVIDED BY SITE UTILITY CONTRACTOR. SEE SITE UTILITY DRAWINGS FOR CONTINUATION
- 20 4" W UP TO GRADE CO
- 21 CONNECT TO PIPING PROVIDED BY SITE UTILITY CONTRACTOR. SEE SITE UTILITY DRAWINGS FOR CONTINUATION
- 22 CONNECT TO EXISTING PIPING. VERIFY SIZE & LOCATION PRIOR TO ASSOCIATED WORK
- 23 INFLOOR HEAT ZONE AREA E : 2960 SQ FT., 93 MBH, 9.3 GPM, 10 CIRCUITS, 5/8" TUBING, 12' SPACING
- 24 INFLOOR HEAT PIPING UP TO MANIFOLD
- 25 2" AW UP TO SK
- 26 2" AW UP TO ESH
- 27 2" AV UP
- 28 2" AW UP TO FD
- 29 3" AW UP TO CO
- 30 2" AV UP, 1/2" CW UP, 1/2" HW UP, 1/2" G UP
- 31 2" AV UP 2" AW UP TO SK, 1/2" CW UP, 1/2" HW UP, 1/2" G UP
- 32 GAS EMERGENCY SHUTOFF PUSH BUTTON CONNECTED TO SOLENOID VALVE (MTD BELOW CEILING) SERVING CLASS ROOM. VALVE ASCO MODEL 8215-EXPOSITION PROF. 120 VOLT OR EQUAL
- 33 INFLOOR HEAT PIPING TO INFLOOR HEAT ZONE
- 34 3" W UP TO MSK



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BALTIC HIGH SCHOOL ADDITION
UNDERFLOOR PLAN - AREAS A, B & E - PLUMBING

Project	number	0727.2957.21	
Sheet Contents	date	12-22-2022	
	revision		
	drawn	DWM	
	checked	Dd	
	NO.	DATE	DESCRIPTION
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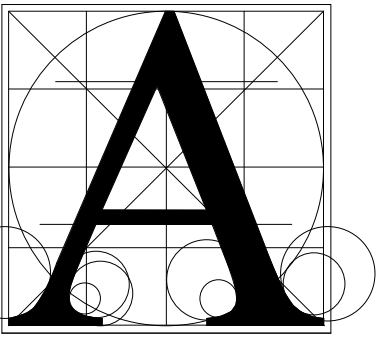
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GENERAL SHEET NOTES

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PLUMBING & HEATING NOTES

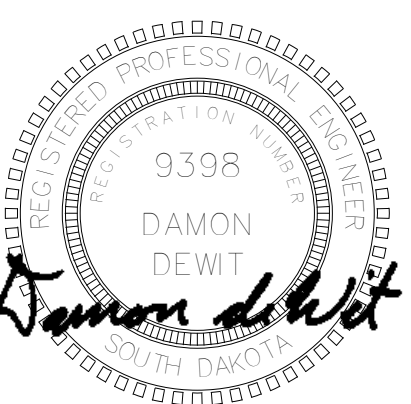
- 1 2" W UP TO LAV
- 2 2" W UP TO FD
- 3 2" V UP
- 4 4" W UP TO WC
- 5 3" W UP TO MSK
- 6 2" W UP TO UR
- 7 2" W UP TO EWC
- 8 2" W STACK UP
- 9 2" AW UP TO SK
- 10 2" AW UP TO ESH
- 11 2" AW UP TO FD
- 12 2" AV UP
- 13 2" AV UP, 2" AW UP TO SK, 1/2" CW UP, 1/2" HW UP, 1/2" G UP
- 14 2" AV UP, 1/2" CW UP, 1/2" HW UP, 1/2" G UP
- 15 INSULATED PEX PIPING WITH NO JOINTS BELOW FLOOR
- 16 4" W STACK UP
- 17 6" DS UP
- 18 4" AW UP TO CO
- 19 4" W UP TO CO



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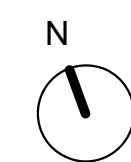
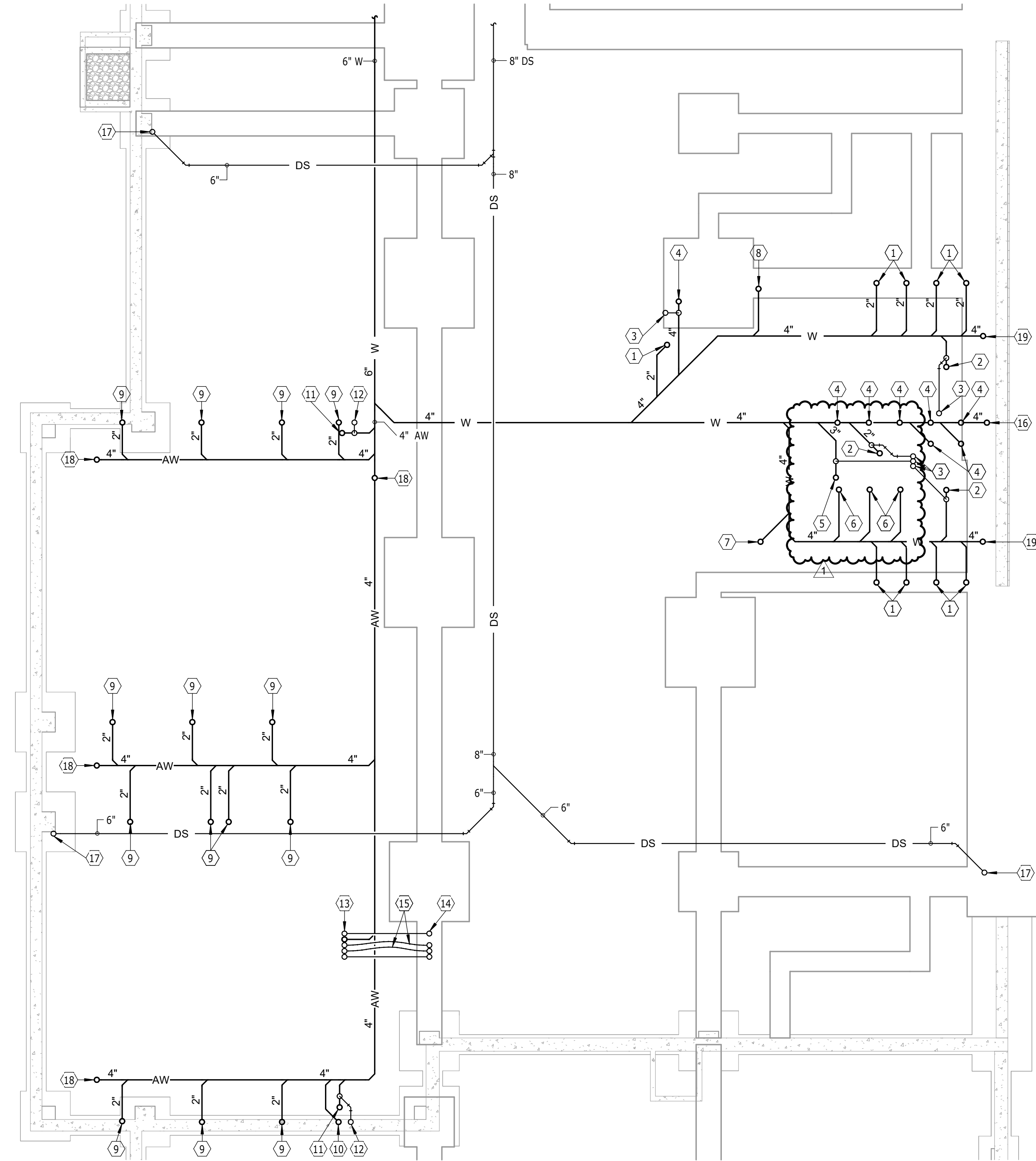


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Sioux Falls, SD 57104

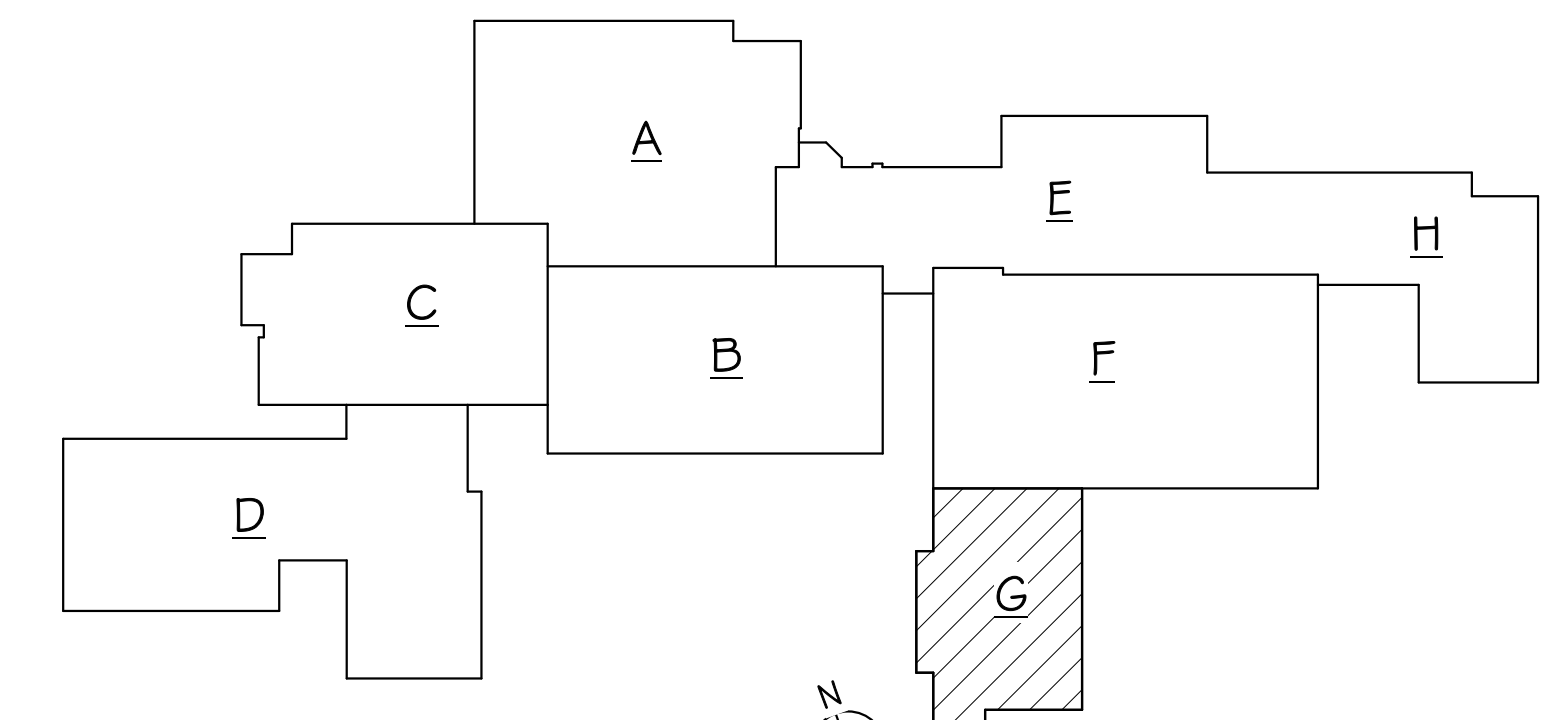
(605) 335-3720
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ACEI PROJ. #122033



UNDERFLOOR PLAN - AREA G - PLUMBING

SCALE 0 4 8 12 16



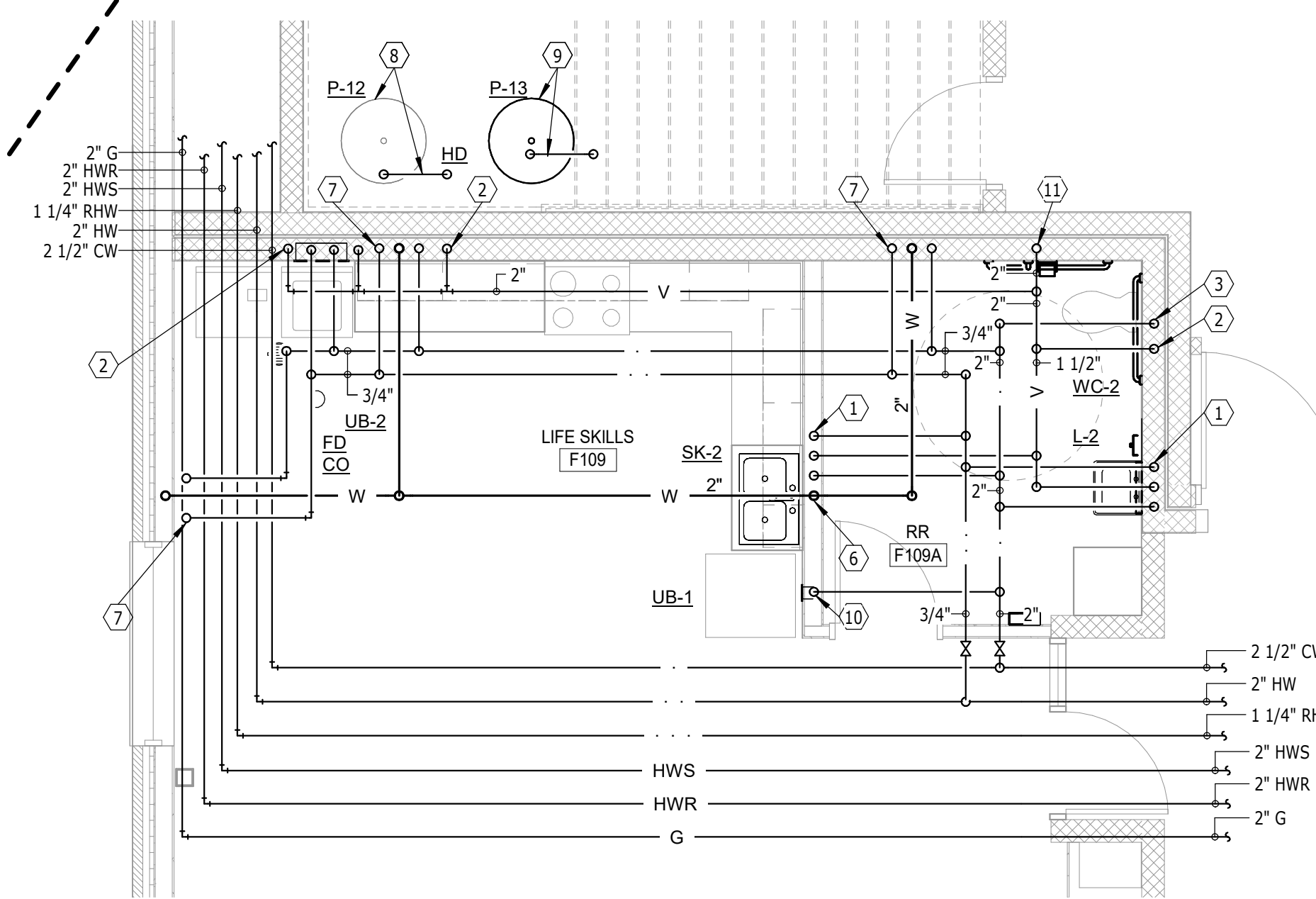
KEYPLAN

BALTIC HIGH SCHOOL ADDITION
UNDERFLOOR PLAN - AREA G - PLUMBING

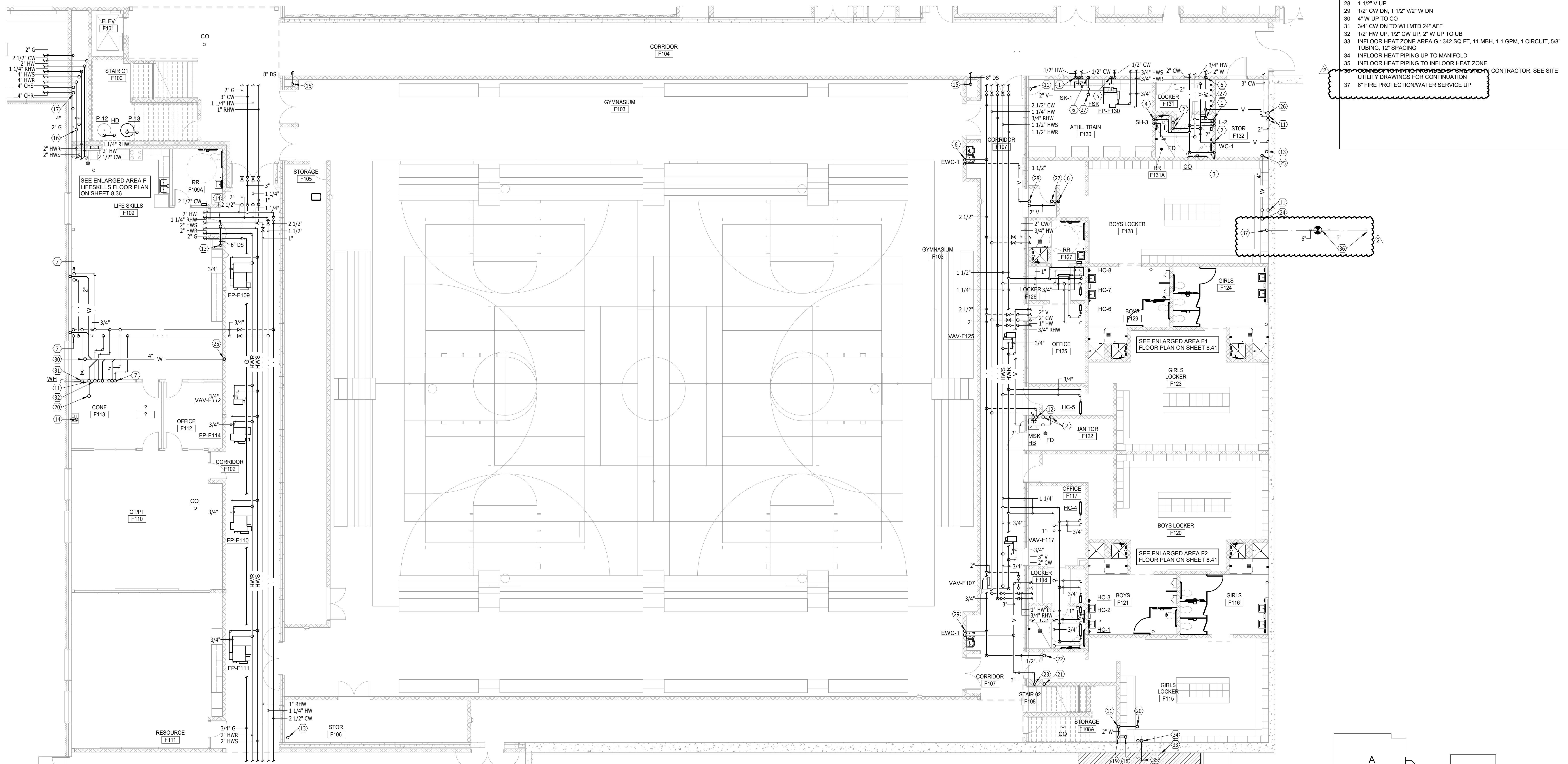
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date	12-22-2022	
revision		
drawn	DWM	checked Dd
NO.	DATE	DESCRIPTION
I	1-20-23	ADDENDUM 2

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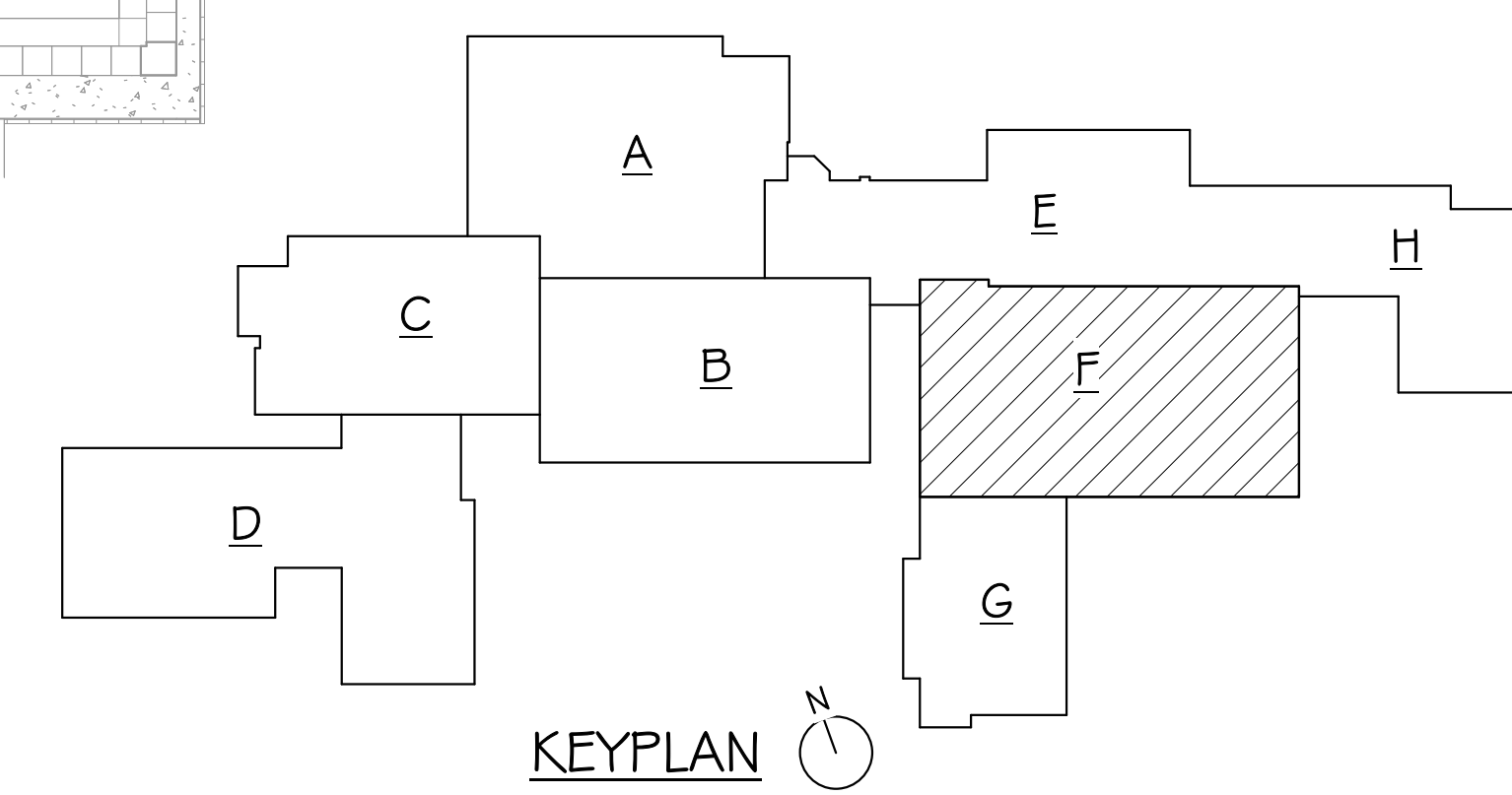
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ENLARGED FIRST FLOOR PLAN - LIFE SKILLS AREA F - PLUMBING & HEATING
SCALE 0 4 8 12 16



FIRST FLOOR PLAN - AREA F - PLUMBING & HEATING
SCALE 0 4 8 12 16

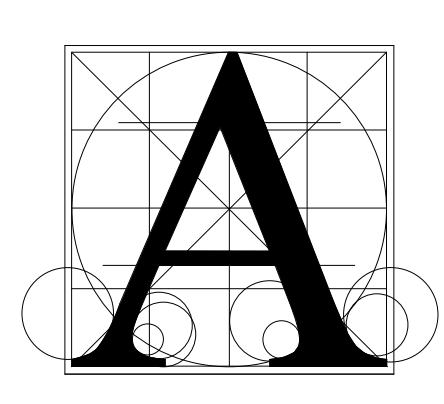


GENERAL SHEET NOTES

- A. THE CEILING SPACE AVAILABLE REQUIRES COORDINATION WITH OTHER TRADES. THE CONTRACTORS SHALL PROVIDE ALL OFFSETS AND RELOCATE AS REQUIRED TO COORDINATE THE INSTALLATION OF ALL MATERIALS AND EQUIPMENT WITH OTHER TRADES.
- B. ON DEMO DRAWINGS, ITEMS SHOWN LIGHT ARE EXISTING TO REMAIN, ITEMS SHOWN BOLD ARE EXISTING TO BE REMOVED.
- C. ON NEW CONSTRUCTION DRAWINGS, ITEMS SHOWN LIGHT ARE EXISTING TO REMAIN, ITEMS SHOWN BOLD ARE NEW WORK.

PLUMBING & HEATING NOTES

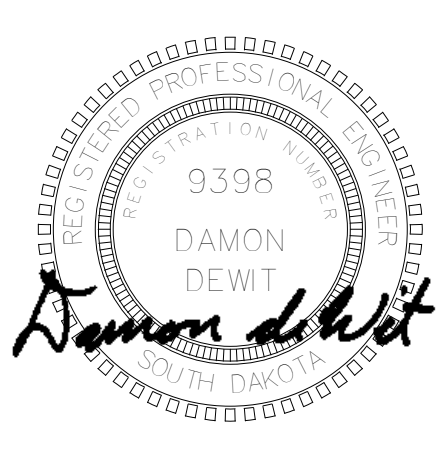
- 1 1/2" HW DN, 1 1/2" V/2" W DN, 1/2" CW DN
- 2 2" V DN
- 3 1 1/4" CW DN
- 4 1/2" CW DN, 1/2" HW DN
- 5 2" V DN, 1/2" CW DN WITH EXPOSED ESCUTHEON & SHUT-OFF VALVE TO ICE MAKER
- 6 2" W DN W/CO 24" AFF
- 7 1/2" HW UP, 2" W UP TO SK, 1/2" CW UP
- 8 24" DIA X 6'-0" DEEP ELEVATOR SUMP BASIN & PUMP. EXTEND 4" PVC DRAIN MTD FLUSH WITH BOTTOM OF ELEVATOR FIT TO BASIN. EXTEND 2" DISCH FROM SUMP PUMP WITH INDIRECT CONNECTION TO HUB DRAIN STUBBED AFF
- 9 24" DIA X 6'-0" DEEP DRANTILE SUMP BASIN WITH SUMP PUMP. EXTEND 2" DRAIN FROM PUMP TO DOWNSPOUT PIPING STUBBED AFF
- 10 1/2" CW DN TO ICE MAKER UB MTD 36" AFF
- 11 2" V UP
- 12 1/2" HW DN, 3/4" CW DN TO HBMSK
- 13 6" DS UP/DN W/CO 24" AFF
- 14 8" DS UP
- 15 8" DS DN W/CO 24" AFF
- 16 4" HWS UP, 4" HWR UP
- 17 4" CHS UP, 4" CHR UP
- 18 3" W UP TO MSK
- 19 2" V UP/3" W DN W/CO 24" AFF
- 20 2" W UP TO FD
- 21 2" W UP TO EW/C DN W/CO 24" AFF
- 22 1/2" CW UP TO EWC
- 23 3" V UP
- 24 4" W UP TO FSK
- 25 4" W DN W/CO 24" AFF
- 26 3" CW UP
- 28 1 1/2" V UP
- 29 1/2" CW DN, 1 1/2" V/2" W DN
- 30 4" W UP TO CO
- 31 3/4" CW DN TO WH MTD 24" AFF
- 32 1/2" HW UP, 1/2" CW UP, 2" W UP TO UB
- 33 INFLOOR HEAT ZONE AREA G - 342 SQ FT, 11 MBH, 1.1 GPM, 1 CIRCUIT, 5/8" TUBING, 12" SPACING
- 34 INFLOOR HEAT PIPING UP TO MANIFOLD
- 35 INFLOOR HEAT PIPING UP TO INFLOOR HEAT ZONE
- 36 CONTRACTOR. SEE SITE UTILITY DRAWINGS FOR CONTINUATION
- 37 6" FIRE PROTECTION WATER SERVICE UP



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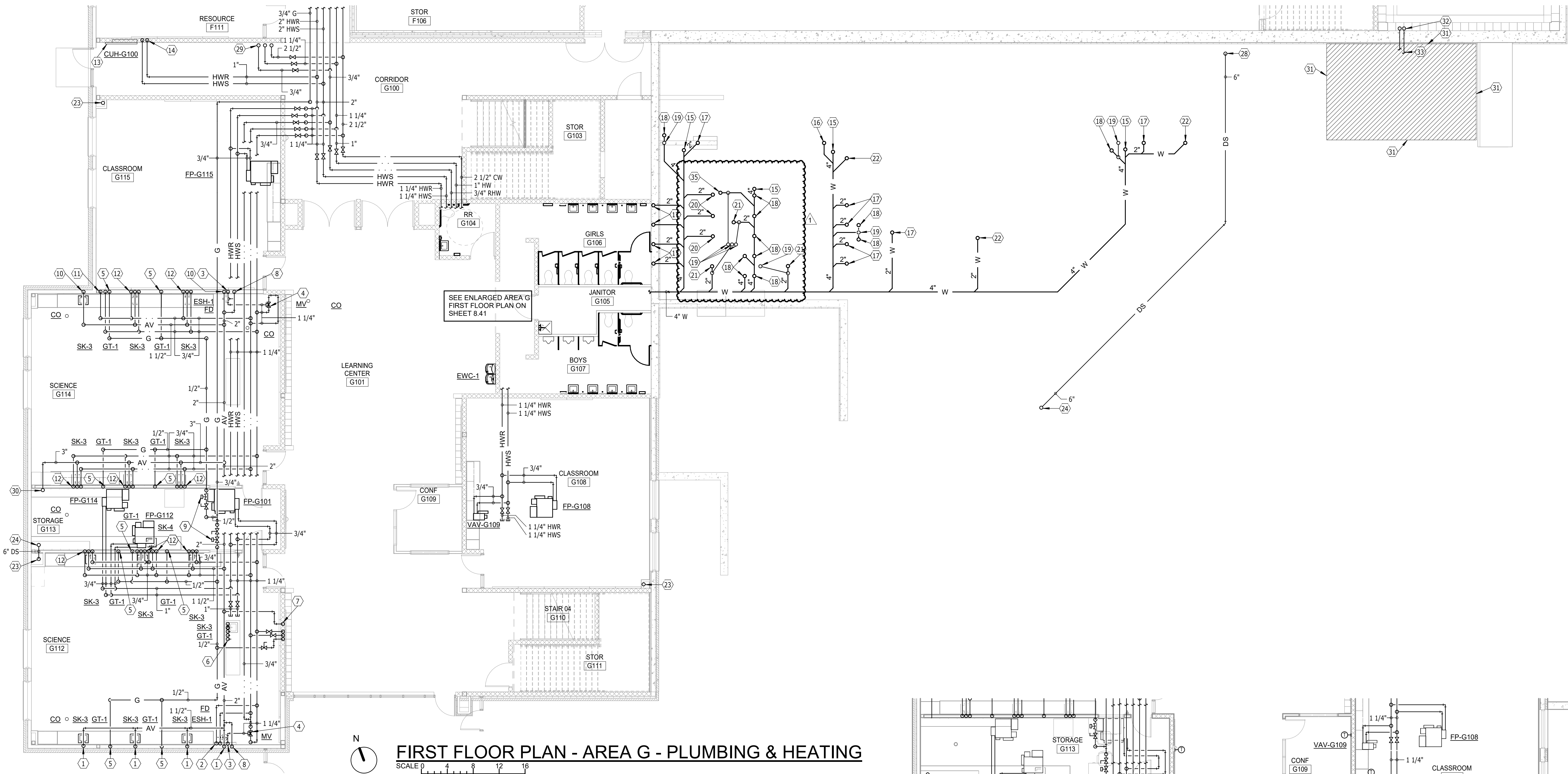
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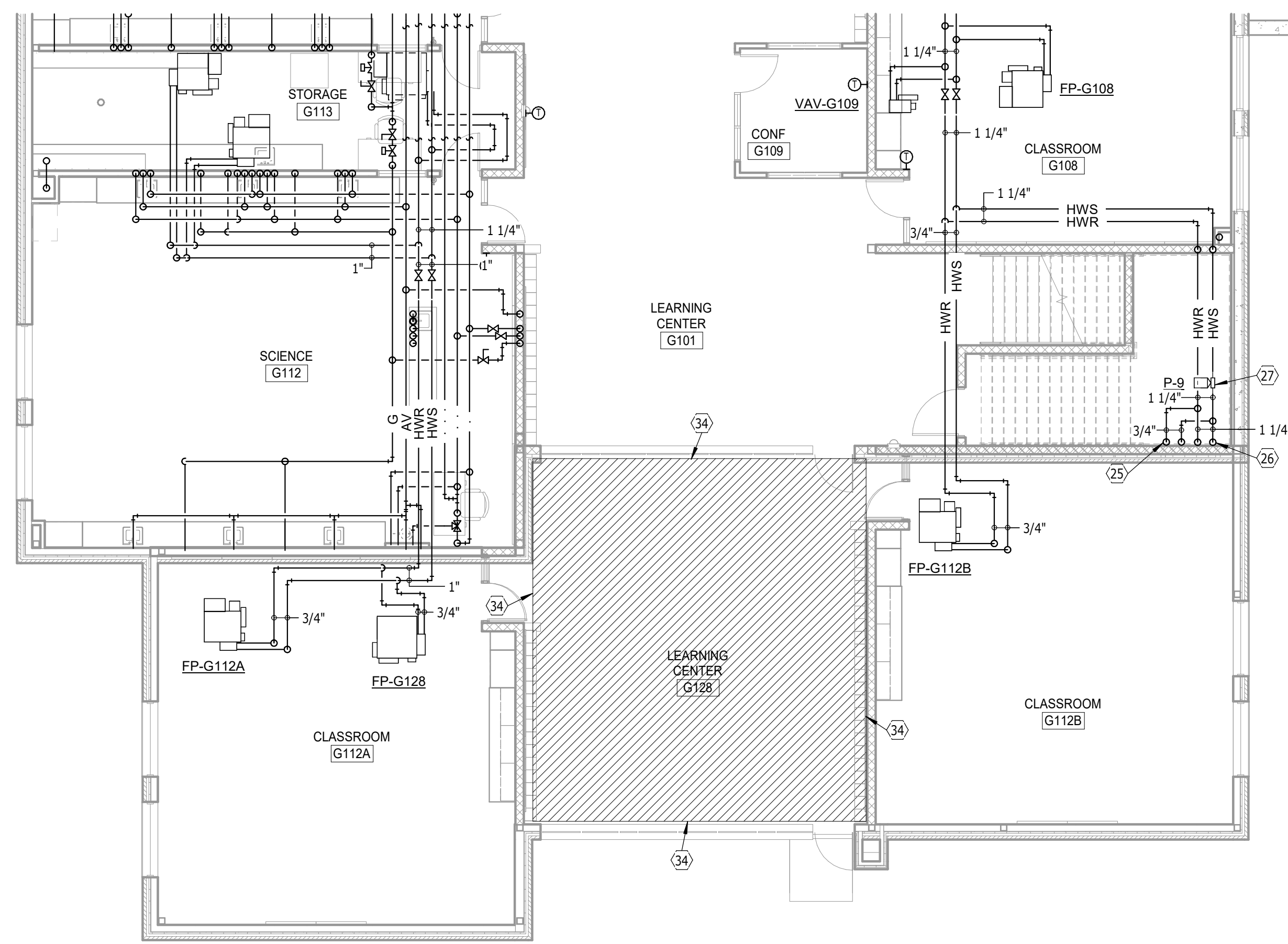
BALTIC HIGH SCHOOL ADDITION
FIRST FLOOR PLAN - AREA F - PLUMBING & HEATING

Project	number	0727.2957.21
date	12-22-2022	
revision		
drawn	DWM	checked Dd
NO.	DATE	DESCRIPTION
1	1-13-23	ADDENDUM 1
2	1-20-23	ADDENDUM 2

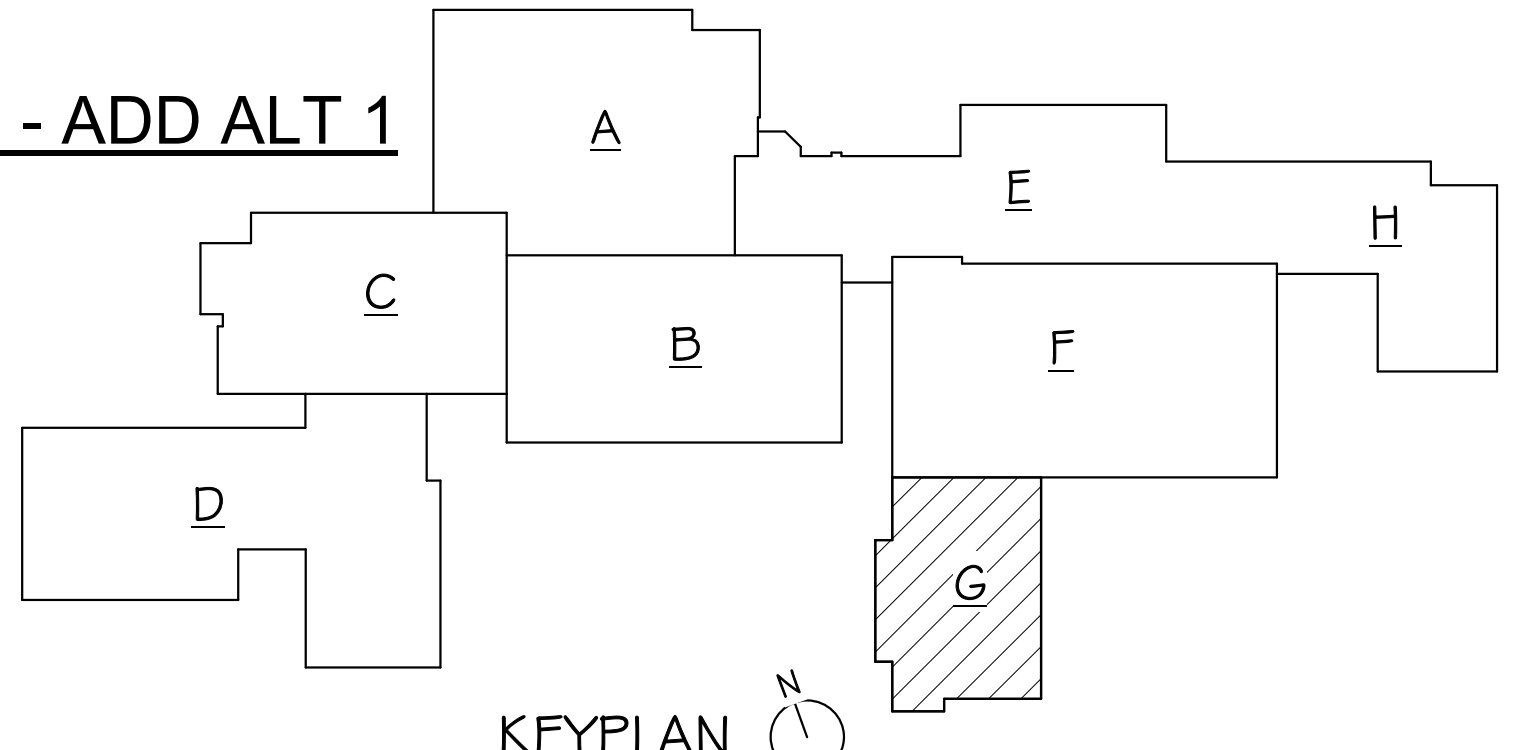
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FIRST FLOOR PLAN - AREA G - PLUMBING & HEATING
SCALE 0 4 8 12 16

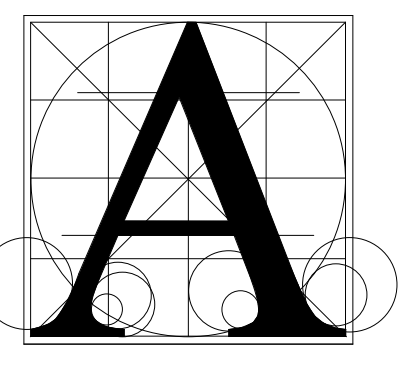


FIRST FLOOR PLAN - AREA G - PLUMBING & HEATING - ADD ALT 1
SCALE 0 4 8 12 16



KEYPLAN

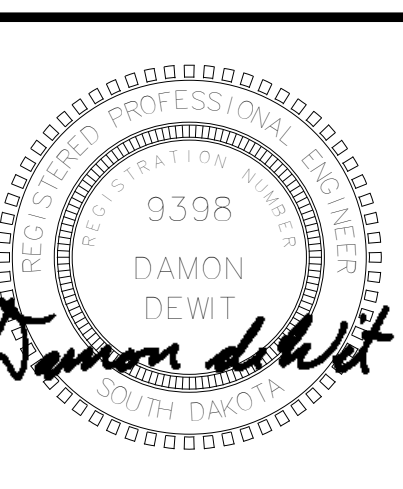
- GENERAL SHEET NOTES**
- THE CEILING SPACE AVAILABLE REQUIRES COORDINATION WITH OTHER TRADES. THE CONTRACTORS SHALL PROVIDE ALL OFFSETS AND RELOCATE AS REQUIRED TO COORDINATE THE INSTALLATION OF ALL MATERIALS AND EQUIPMENT WITH OTHER TRADES.
 - ON DEMO DRAWINGS, ITEMS SHOWN LIGHT ARE EXISTING TO REMAIN, ITEMS SHOWN BOLD ARE EXISTING TO BE REMOVED.
 - ON NEW CONSTRUCTION DRAWINGS, ITEMS SHOWN LIGHT ARE EXISTING TO REMAIN, ITEMS SHOWN BOLD ARE NEW WORK.
- PLUMBING & HEATING NOTES**
- 1 1/2" AV/2" AW DN
 - 3/4" CW & 3/4" HW DN. EXTEND PIPING IN CHASE IN REAR OF CABINET TO SINKS
 - 1 1/4" TW DN
 - EMERGENCY EYEWASH & SHOWER MIXING VALVE. SEE EMERGENCY EYEWASH/SHOWER MIXING VALVE PIPING DETAIL
 - 1/2" G DN TO COUNTERTOP MTD GAS TURRET
 - 2" AV DN, 2" AW DN, 1/2" CW DN, 1/2" HW DN, 1/2" G DN
 - 2" AV DN, 1/2" CW DN, 1/2" HW DN, 1/2" G DN BELOW FLOOR TO DESK
 - 2" AV DN
 - GAS EMERGENCY SHUTOFF PUSH BUTTON CONNECTED TO SOLENOID VALVE (MTD BELOW CEILING) SERVING CLASS ROOM. VALVE ASCO MODEL 8215-EXPOSITION PROOF, 120 VOLT OR EQUAL
 - 1 1/2" AV/2" AW DN
 - 1/2" HW & 1/2" CW DN. EXTEND PIPING IN CABINET TO SINK
 - 1/2" HW DN, 1 1/2" AV/2" AW DN, 1/2" CW DN
 - HYDRONIC SEMI-RECESSED CABINET UNIT HEATER. SEE CABINET UNIT HEATER PIPING DETAIL
 - 3/4" HWS & 3/4" HWR DN TO CUH
 - 4" W UP TO CO
 - 2" W UP TO EWC
 - 2" W UP TO LAV
 - 4" W UP TO WC
 - 2" V UP
 - 2" W UP TO UR
 - 2" W UP TO SK
 - 6" OS UP/DN W/CO 24" AFF
 - 6" DS UP
 - 3/4" HWS & 3/4" HWR DN TO AREA G INFLOOR HEAT PIPING MANIFOLD. EXTEND MANIFOLD PIPING TO FIRST FLOOR AREA G (ALT) INFLOOR HEAT ZONE. SEE INFLOOR HEAT PIPING DETAIL
 - 1 1/4" HWS & 1 1/4" HWR DN TO AREA G INFLOOR HEAT PIPING MANIFOLD. EXTEND MANIFOLD PIPING TO SECOND FLOOR AREA G (ALT) INFLOOR HEAT ZONE. SEE INFLOOR HEAT PIPING DETAIL
 - INFLOOR HEAT PUMP. SEE INFLOOR HEAT PUMP PIPING DETAIL
 - 6" DS DN
 - 3/4" RHW UP, 1 1/4" HW UP, 2 1/2" CW UP
 - 3" AV UP
 - INFLOOR HEAT ZONE AREA G: 342 SQ FT, 11 MBH, 1.1 GPM, 1 CIRCUIT, 5/8" TUBING, 12" SPACING
 - INFLOOR HEAT PIPING UP TO MANIFOLD
 - INFLOOR HEAT ZONE AREA G1 (ALT) 765 SQ FT, 25 MBH, 2.5 GPM, 2 CIRCUITS, 5/8" TUBING, 12" SPACING
 - 3" W UP TO MSK



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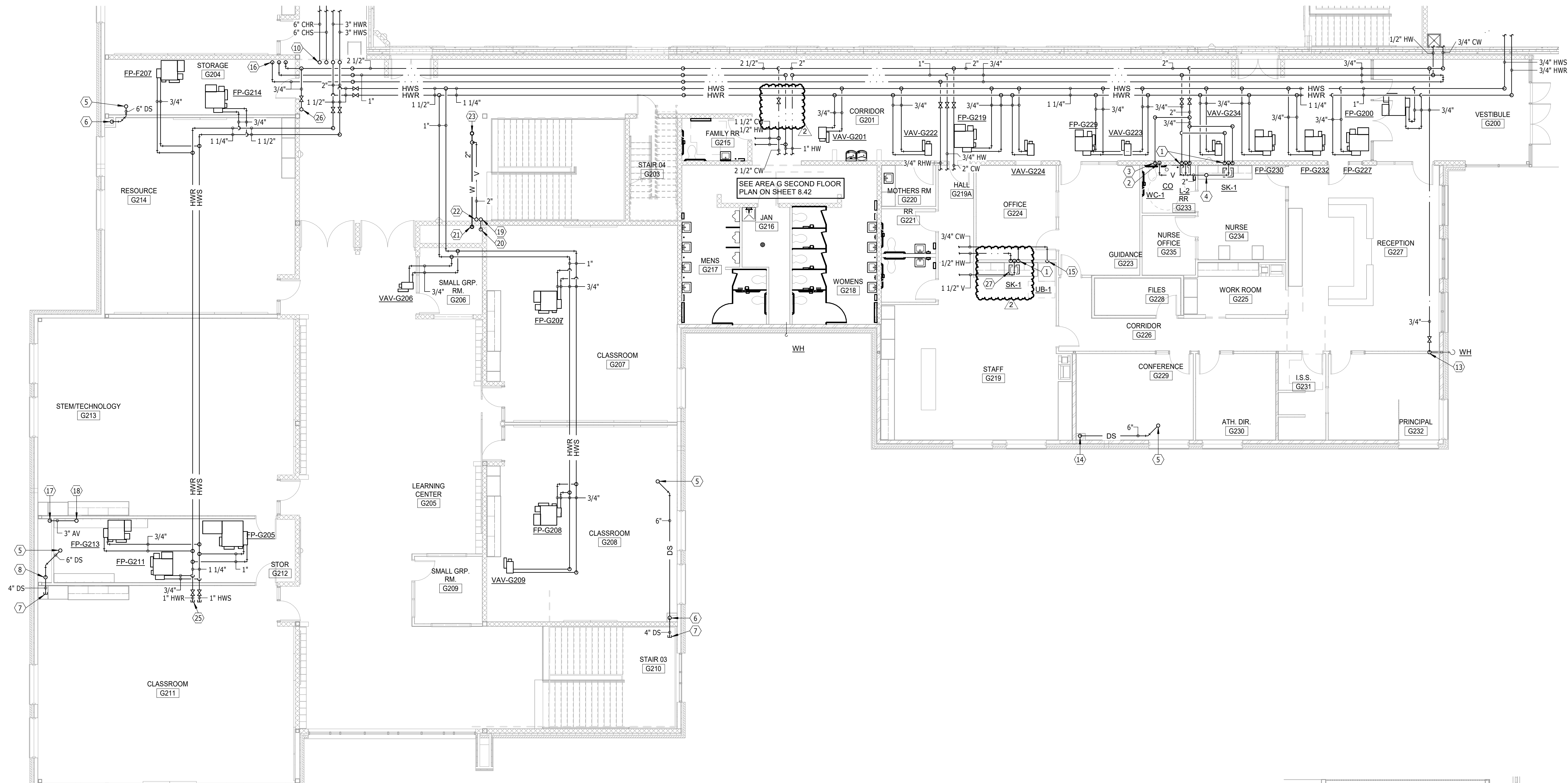
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BALTIC HIGH SCHOOL ADDITION
FIRST FLOOR PLAN - AREA G - PLUMBING & HEATING

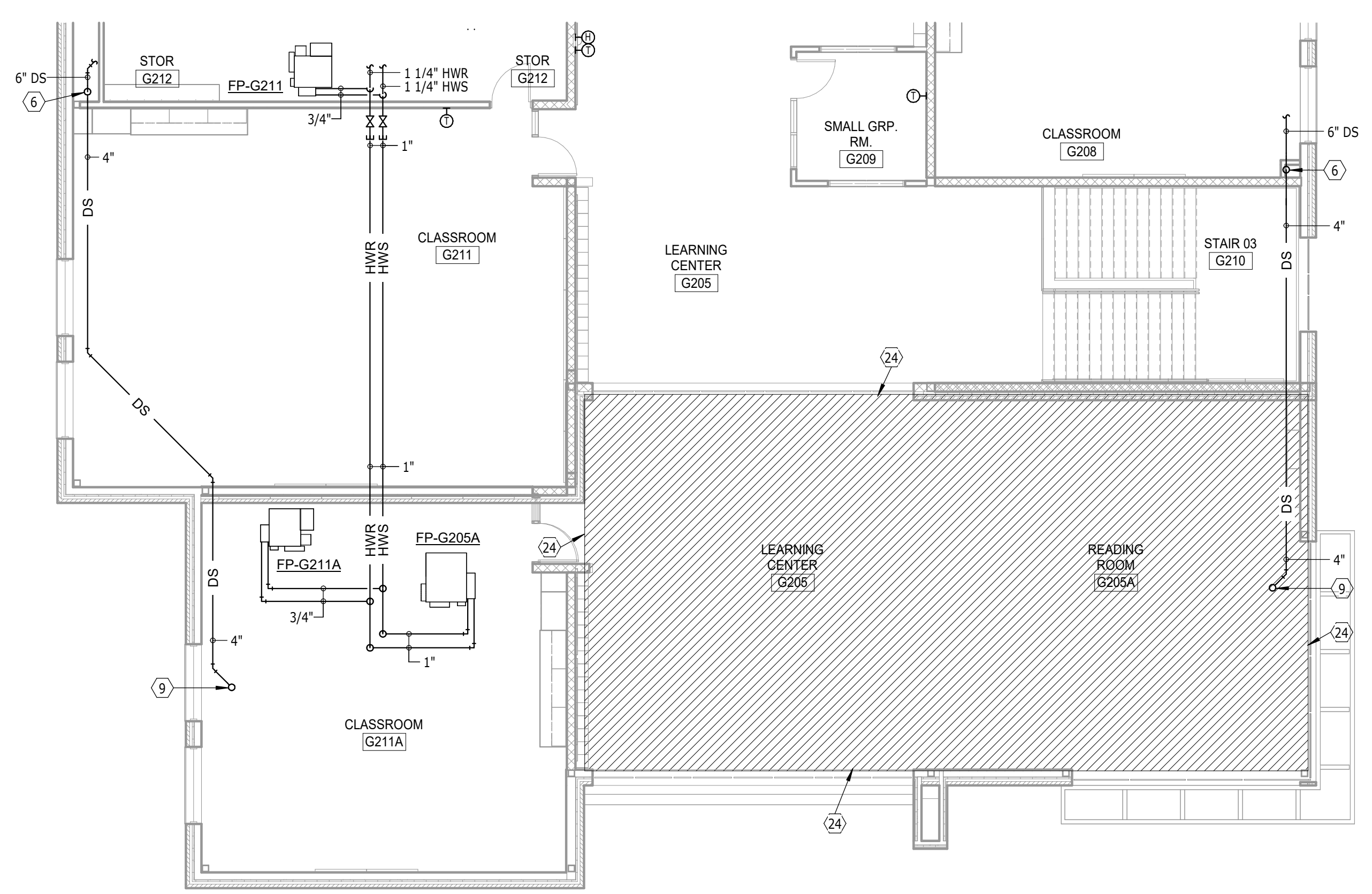
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1	1-20-23	ADDENDUM 2

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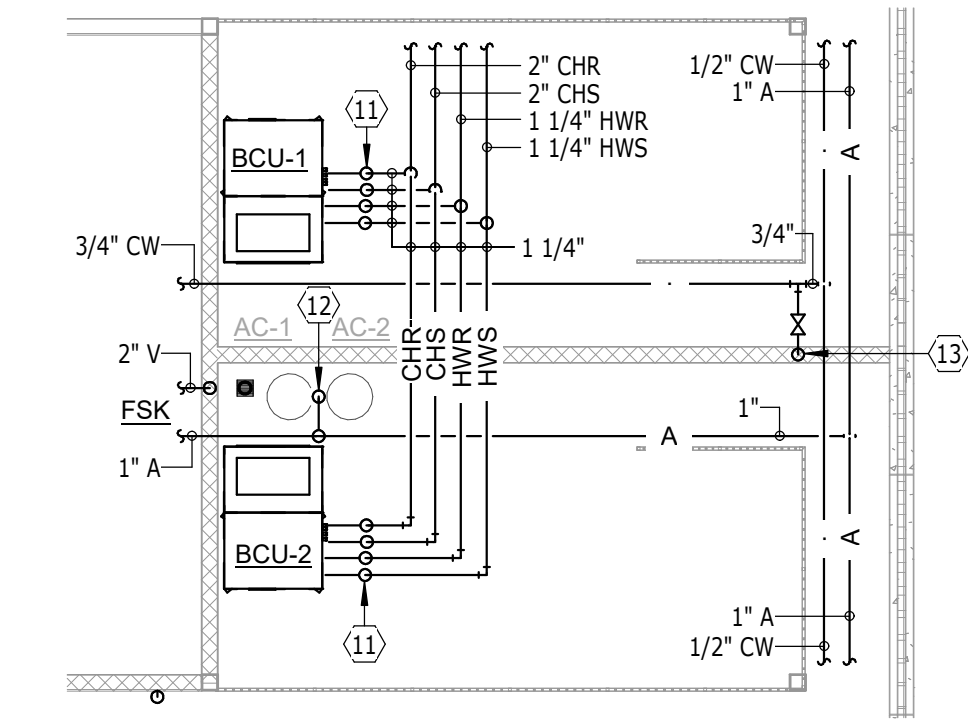
SECOND FLOOR PLAN - AREA G - PLUMBING & HEATING

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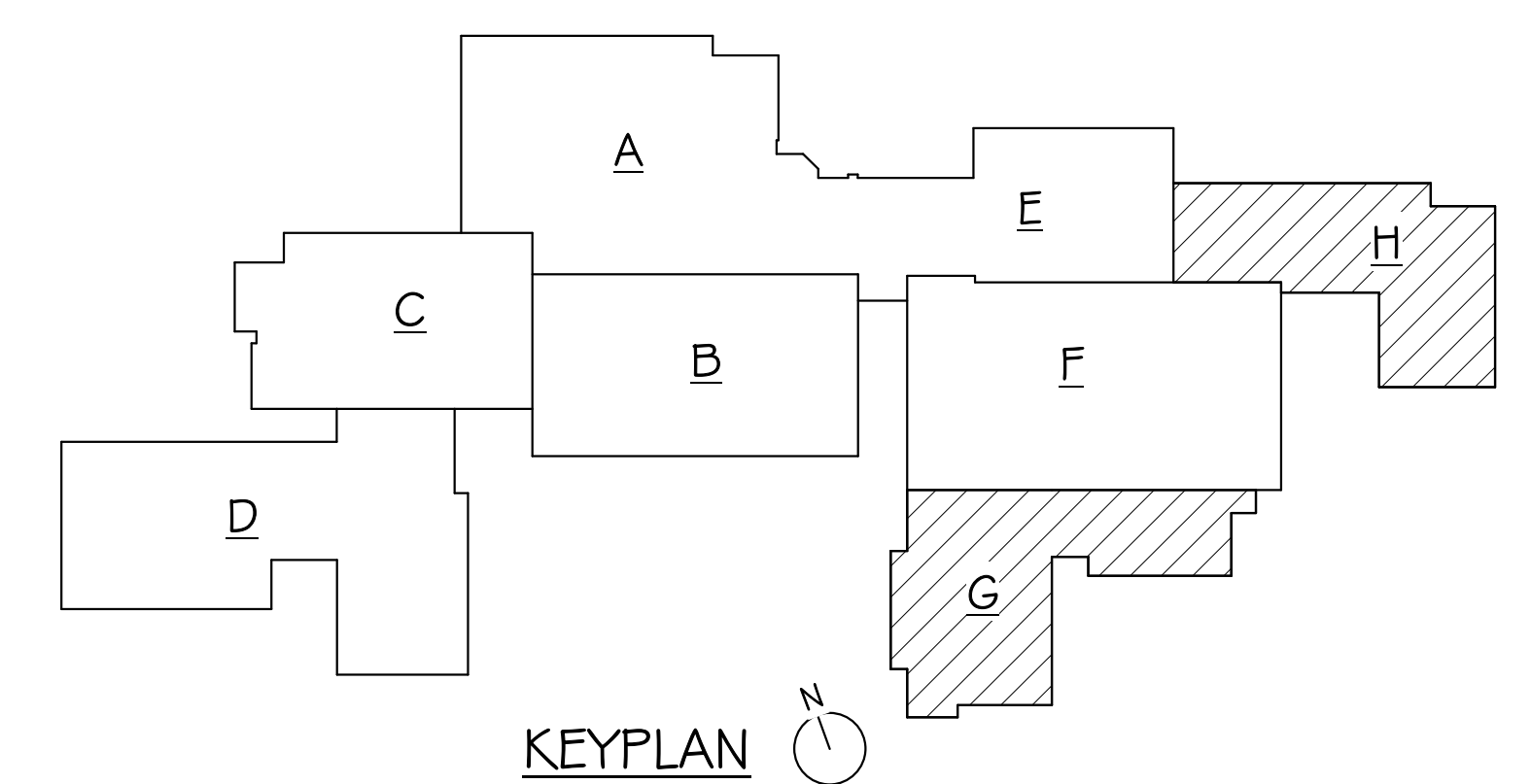
SECOND FLOOR PLAN - AREA G - PLUMBING & HEATING - ADD ALT 1

SCALE 0 4 8 12 16



SECOND FLOOR PLAN - AREA H - PLUMBING & HEATING

SCALE 0 4 8 12 16



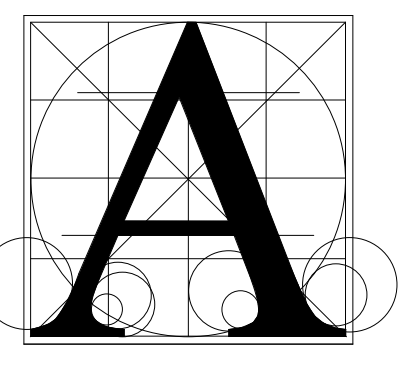
KEYPLAN

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PLUMBING & HEATING NOTES

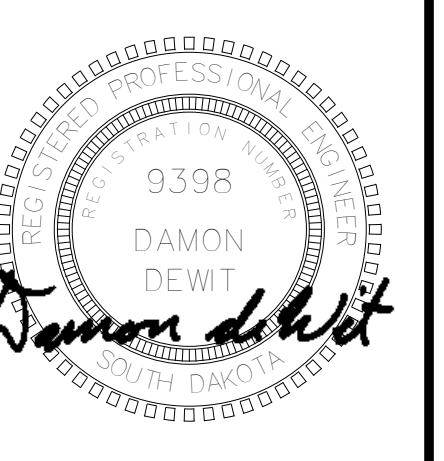
- 1 1/2" HW DN, 1 1/2" V/2" W DN, 1/2" CW DN
- 2 2" V DN
- 3 1 1/4" CW DN
- 4 4" V UP (4" VTR)
- 5 6" DS UP TO 6" RD
- 6 6" DS DN
- 7 4" DS PIPING CAPPED FOR FUTURE USE
- 8 6" DS UP
- 9 4" DS UP TO 4" RD
- 10 6" CHR UP, 6" CHS UP, 3" HWR UP, 3" HWS UP
- 11 1 1/4" CHR DN, 1 1/4" CHS DN, 1 1/4" HWR DN, 1 1/4" HWS DN TO BCU, EXTEND COND TO FSK
- 12 1" AIR DN TO RELOCATED AIR COMPRESSOR. SEE AIR COMPRESSOR PIPING DETAIL
- 13 3/4" CW DN TO WH MTD 24" AFF
- 14 6" DS DN W/CO 24" AFF
- 15 1/2" CW DN TO ICE MAKER UB MTD 36" AFF
- 16 3/4" RHW DN, 1 1/4" HW DN, 2 1/2" CW DN
- 17 3" AV DN
- 18 3" AV UP (4" AVTR)
- 19 3" V UP
- 20 3" V DN
- 21 2" W DN
- 22 2" W UP
- 23 2" W UP TO FSK
- 24 INFLOOR HEAT ZONE AREA G2 (ALT) 1652 SQ FT, 52 MBH, 5.2 GPM, 5 CIRCUITS.
- 25 PIPING CAPPED FOR FUTURE USE
- 26 3/4" CW UP
- 27 CONNECT WASTE & WATER PIPING FROM SINK TO ADJACENT DISHWASHER



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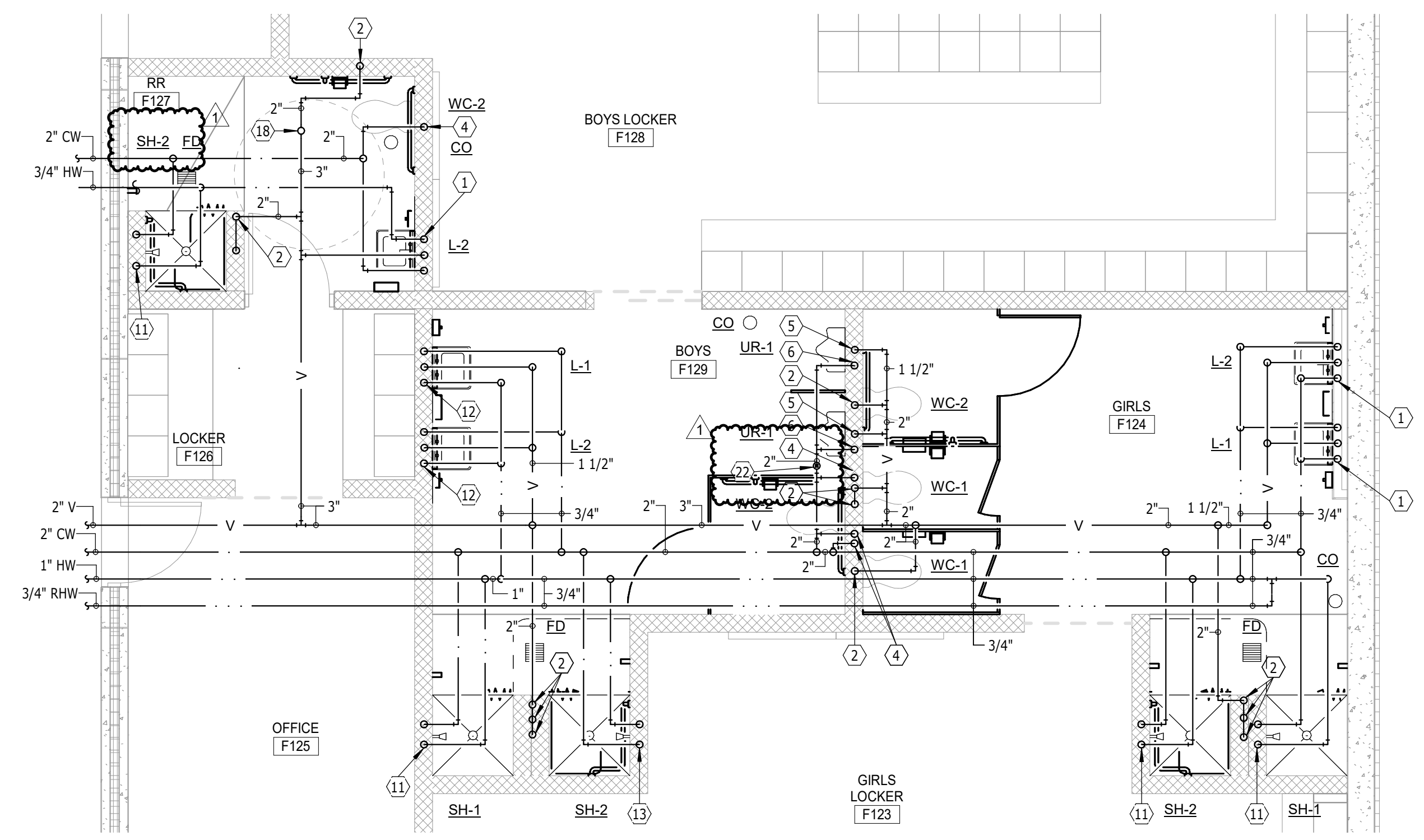
BALTIC HIGH SCHOOL ADDITION

SECOND FLOOR PLANS - AREAS G & H - PLBG & HTG

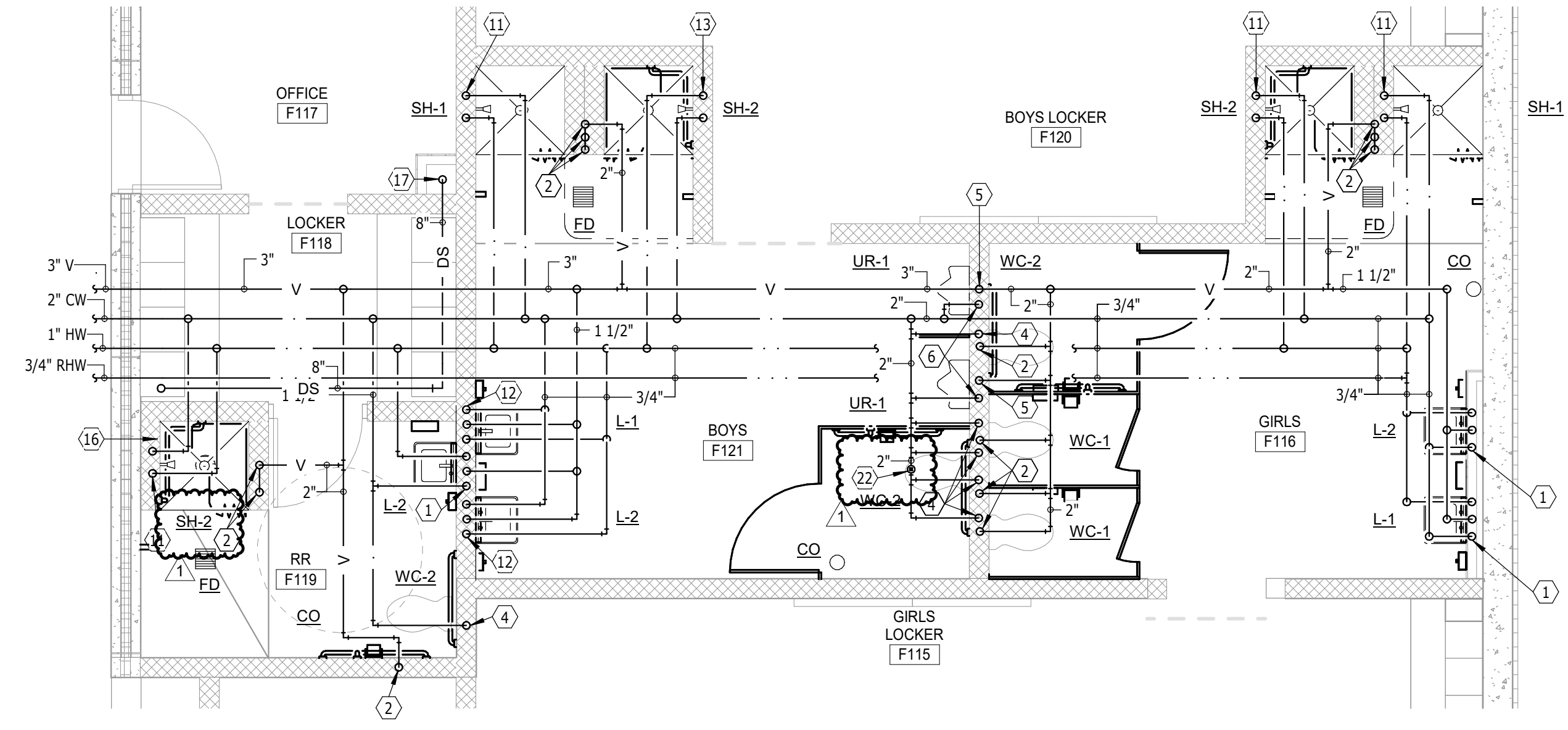
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Sheet contents	date	12-22-2022
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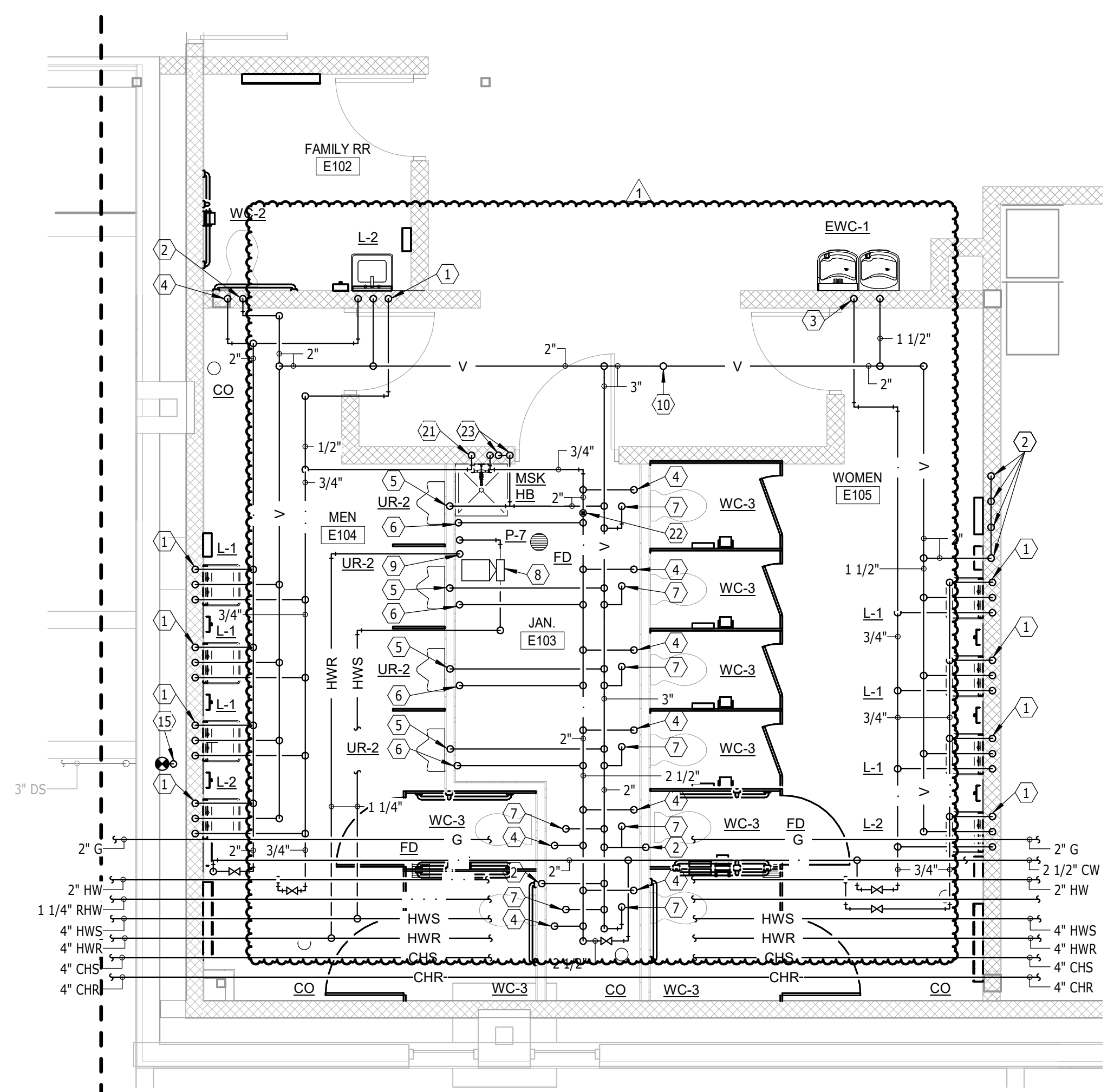
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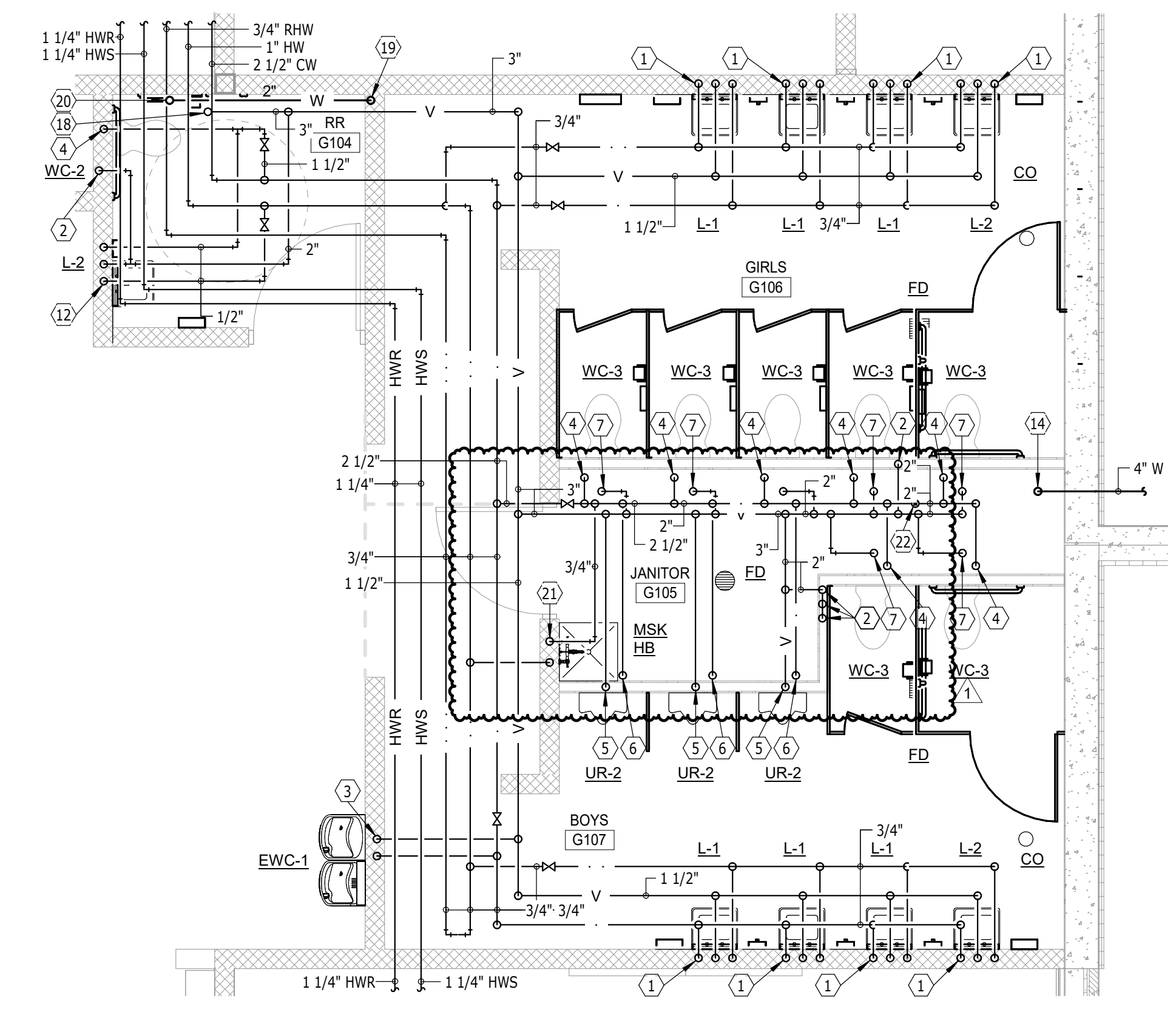
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SCALE 0 2 4 6 8



ENLARGED FIRST FLOOR PLAN - LOCKER AREA F2 - PLUMBING & HEATING
SCALE 0 2 4 6 8

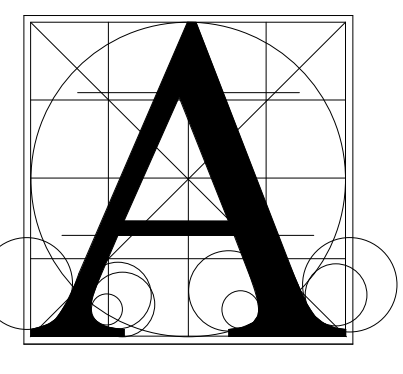


ENLARGED FIRST FLOOR PLAN - AREA E - PLUMBING & HEATING
SCALE 0 2 4 6 8



ENLARGED FIRST FLOOR PLAN - AREA G - PLUMBING & HEATING
SCALE 0 2 4 6 8

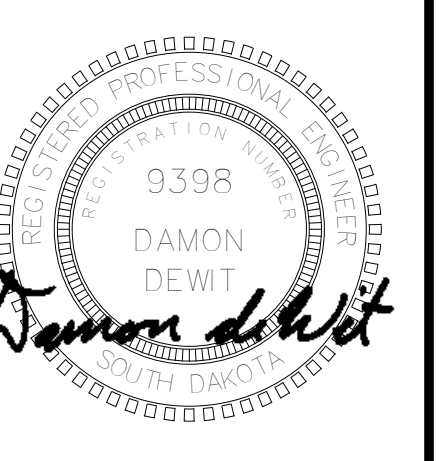
- GENERAL SHEET NOTES**
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 - ON DEMO DRAWINGS, ITEMS SHOWN LIGHT ARE EXISTING TO REMAIN, ITEMS SHOWN BOLD ARE EXISTING TO BE REMOVED.
 - ON NEW CONSTRUCTION DRAWINGS, ITEMS SHOWN LIGHT ARE EXISTING TO REMAIN, ITEMS SHOWN BOLD ARE NEW WORK.
- PLUMBING & HEATING NOTES**
- 1 1/2" HW DN, 1 1/2" V/2" W DN, 1 1/2" CW DN
 - 2" V DN
 - 1/2" CW DN, 1 1/2" V/2" W DN
 - 1 1/4" CW DN
 - 1 1/2" V/2" W DN
 - 1" CW DN
 - 2" V/4" W DN
 - 1 1/4" HWS & 1 1/4" HWR DN TO INFLOOR HEAT PIPING MANIFOLD. SEE INFLOOR HEAT PUMP PIPING DETAIL.
 - 4" V UP (4" VTR)
 - 1/2" CW DN, 1/2" HW DN
 - 1/2" CW DN, 1 1/2" V/2" W DN, 1/2" HW DN
 - 1/2" HW DN, 1/2" CW DN
 - 4" W DN W/CO 24" AFF
 - 4" DS DN
 - 8" DS UP
 - 8" DS DN W/CO 24" AFF
 - 3" V UP
 - 2" W DN W/CO 24" AFF
 - 2" W STACK UP
 - 1/2" HW DN, 3/4" CW DN TO HBMSK
 - WATER HAMMER ARRESTOR
 - 2" V UP



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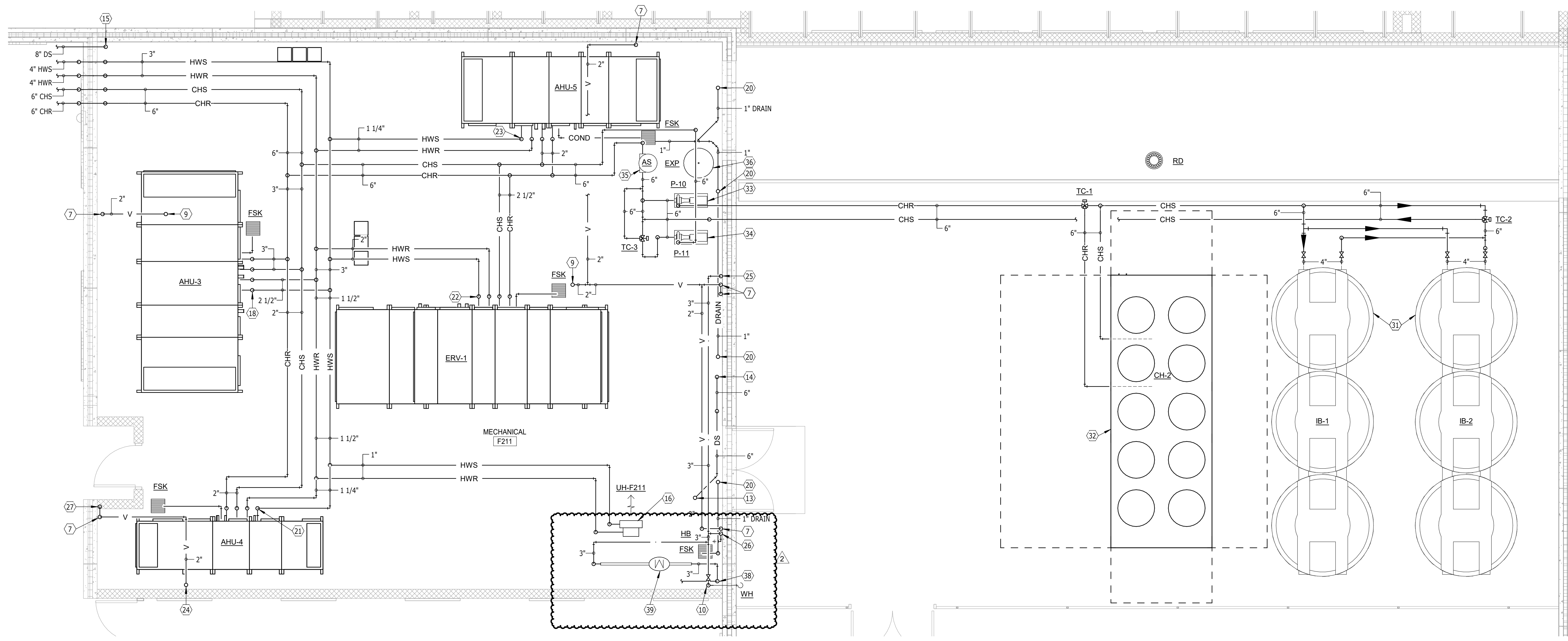
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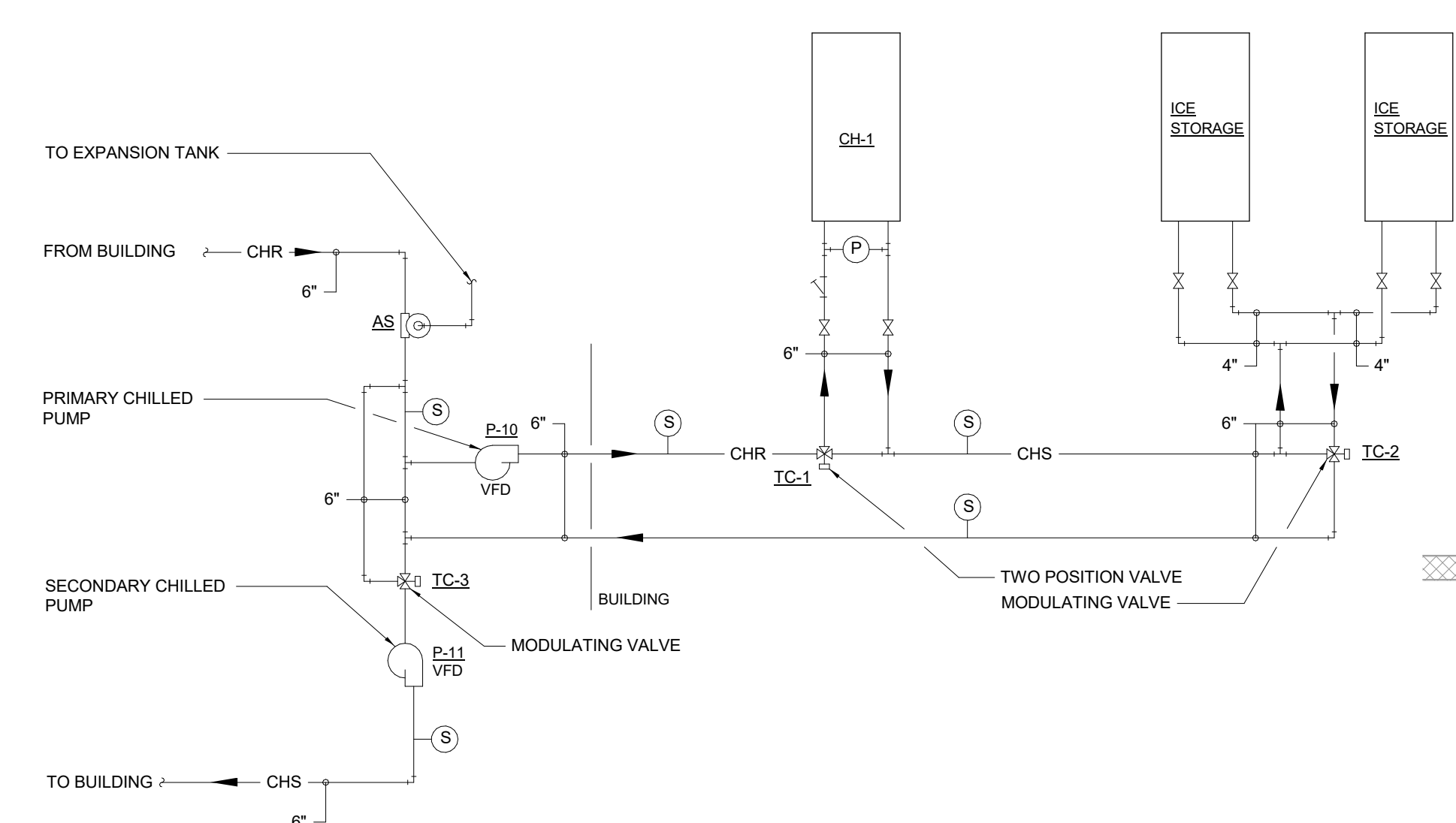
BALTIC HIGH SCHOOL ADDITION
ENLARGED FIRST FLOOR PLANS - AREAS E, F & G - PLUMBING & HEATING

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Sheet	date	12-22-2022
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	drawn	DWM checked Dd
	NO.	DATE DESCRIPTION
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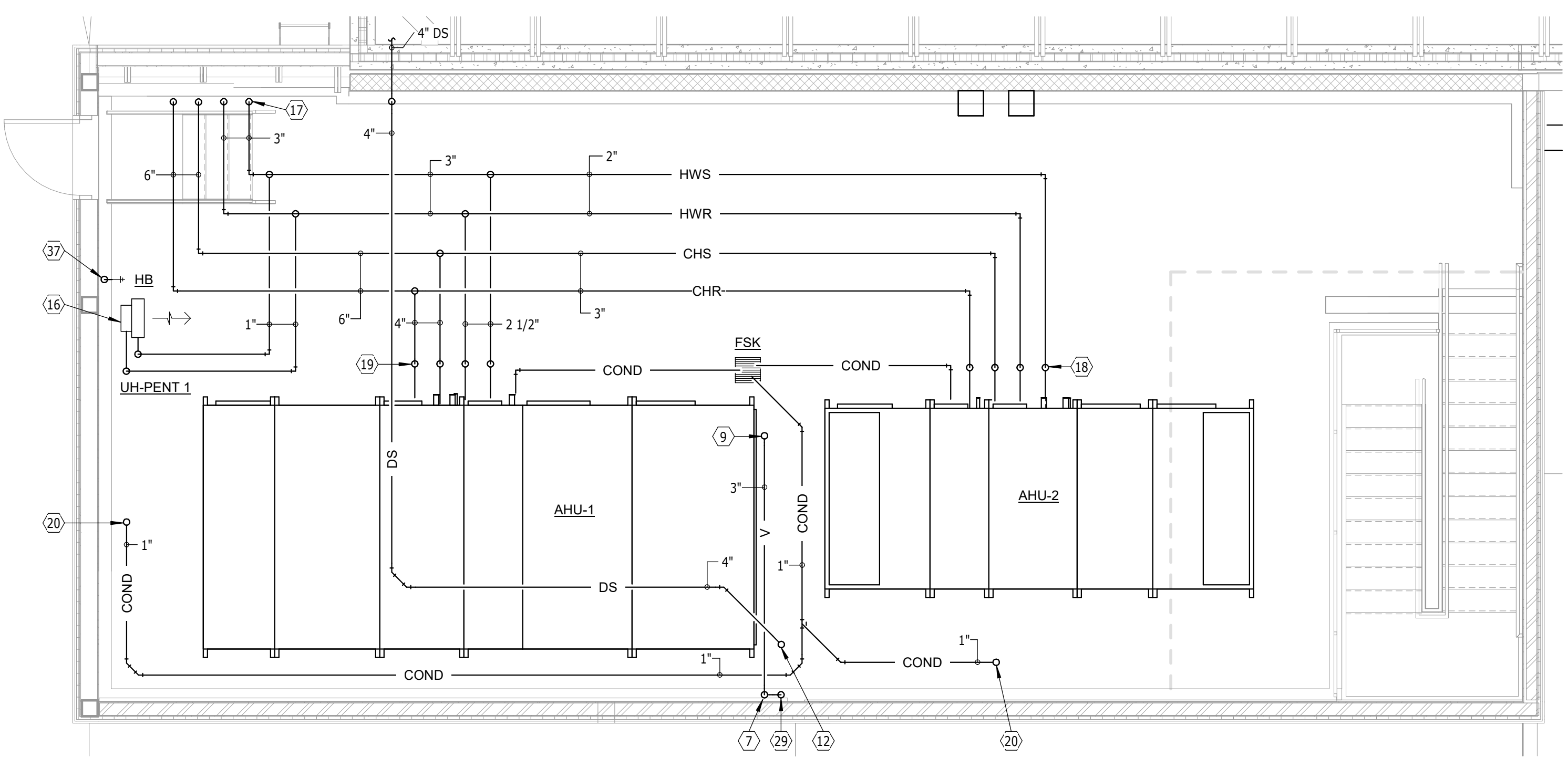
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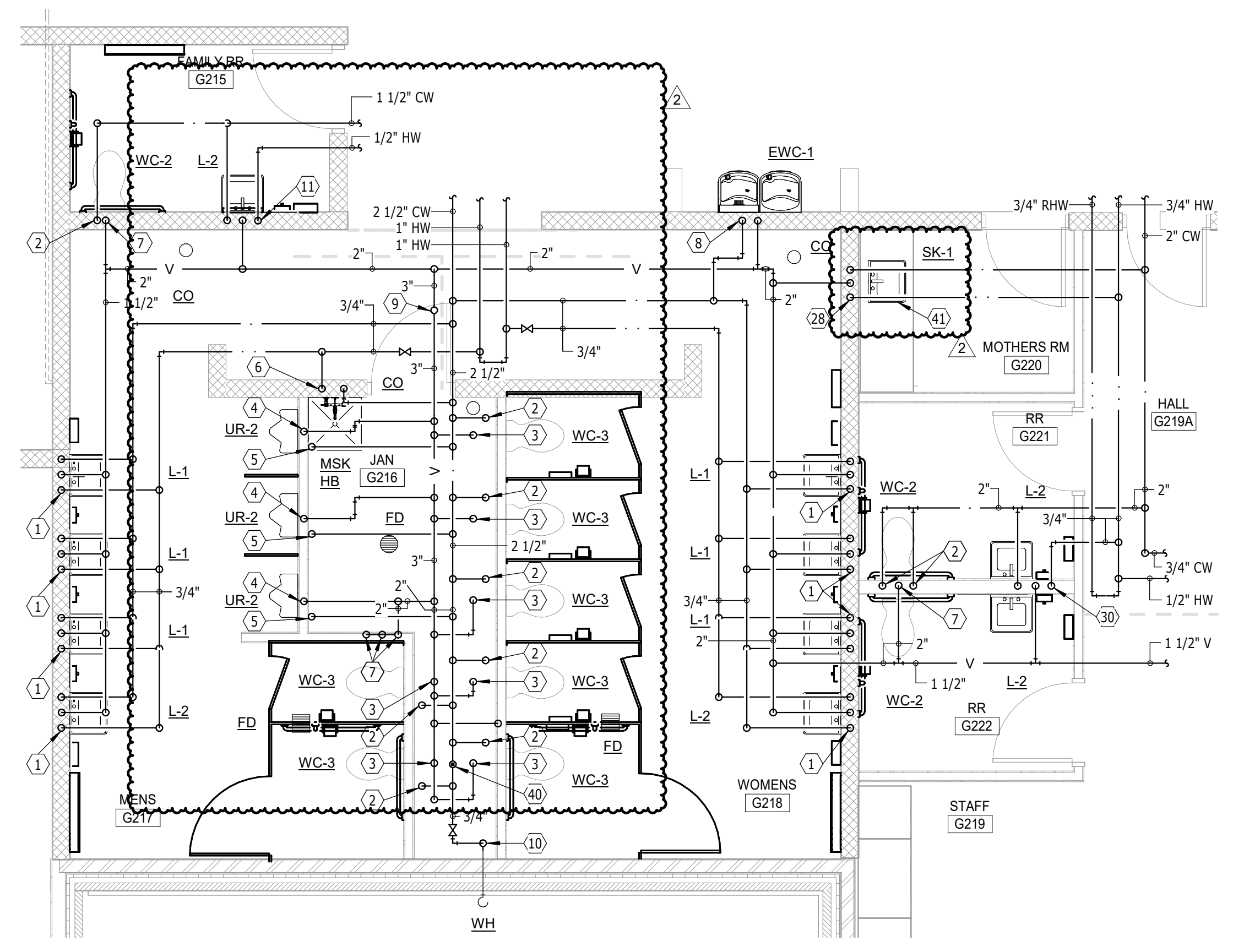
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SCALE 0 2 4 6 8



CHILLER/ICE PIPING DIAGRAM

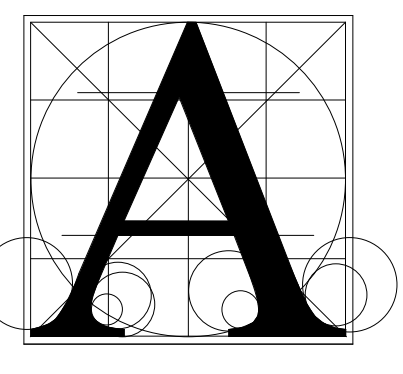


ENLARGED PENTHOUSE PLAN - AREA G - PLUMBING & HEATING
SCALE 0 2 4 6 8



ENLARGED SECOND FLOOR PLAN - AREA G - PLUMBING & HEATING
SCALE 0 2 4 6 8

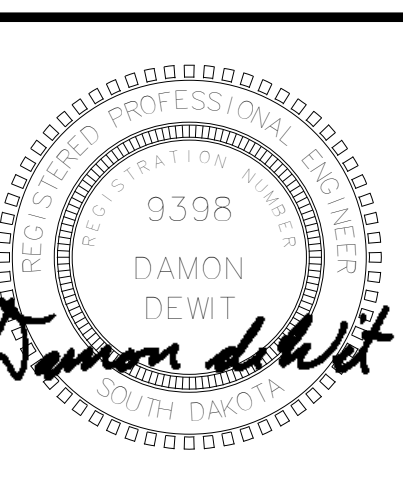
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 - C. ON NEW CONSTRUCTION DRAWINGS, ITEMS SHOWN LIGHT ARE EXISTING TO REMAIN, ITEMS SHOWN BOLD ARE NEW WORK.
- PLUMBING & HEATING NOTES**
- 1 1/2" HW DN, 1 1/2" V/2" W DN, 1/2" CW DN
 - 2 1 1/4" CW DN
 - 3 2" V/4" W DN
 - 4 1 1/2" V/2" W DN
 - 5 1" CW DN
 - 6 1/2" HW DN, 3/4" CW DN TO HBMSK
 - 7 2" V DN
 - 8 1/2" CW DN, 1 1/2" V/2" W DN
 - 9 4" V UP (4" VTR)
 - 10 3/4" CW DN TO WH MTD 24" AFF
 - 11 1/2" CW DN, 1 1/2" V/2" W DN, 1/2" HW DN
 - 12 4" DS UP TO 4" RD
 - 13 6" DS UP TO 6" RD
 - 14 6" DS DN
 - 15 8" DS DN, 2" HWS DN, 2" HWR DN, 2" CHS DN, 2" CHR DN
 - 16 HYDRONIC PROP TYPE UNIT HEATER HUNG FROM STRUCTURE. SEE UNIT HEATER PIPING DETAIL
 - 17 8" CHR DN, 6" CHS DN, 3" HWR DN, 3" HWS DN
 - 18 3" CHR DN, 3" CHS DN, 2" HWR DN, 2" HWS DN. EXTEND COND TO FSK
 - 19 4" CHR DN, 4" CHS DN, 2 1/2" HWR DN, 2 1/2" HWS DN. EXTEND COND TO FSK
 - 20 1" DRAIN UP TO LOUVER DRAIN. EXTEND DRAIN TO FSK
 - 21 2" CHR DN, 2" CHS DN, 1 1/4" HWR DN, 1 1/4" HWS DN. EXTEND COND TO FSK
 - 22 2" HWS DN, 2" HWR DN, 2 1/2" CHS DN, 2 1/2" CHR DN. EXTEND COND TO FSK
 - 23 1 1/4" HWS DN, 1 1/4" HWR DN, 2" CHS DN, 2" CHR DN. EXTEND COND TO FSK
 - 24 4" V UP (4" VTR) 3" DN
 - 25 3" CW DN
 - 26 1/2" CW DN W/SHUTOFF VALVE TO HB MTD 24" AFF
 - 27 1 1/2" V DN
 - 28 1/2" CW DN
 - 29 3" V DN
 - 30 3/4" CW DN, 1 1/2" V/2" W DN, 3/4" HW DN
 - 31 ICE STORAGE TANKS (3 MANIFOLDED TANKS)
 - 32 AIR COOLED CHILLER. SEE CHILLER PIPING DETAIL
 - 33 BASE MOUNTED PRIMARY CHILLED WATER PUMP SET ON CONC. PAD (PAD BY G.C.). SEE BASE MOUNTED PUMP PIPING DETAIL
 - 34 BASE MOUNTED SECONDARY CHILLED WATER PUMP SET ON CONC. PAD (PAD BY G.C.). SEE BASE MOUNTED PUMP PIPING DETAIL
 - 35 CHILLED WATER SYSTEM AIR SEPARATOR. SEE AIR SEPARATOR PIPING DETAIL
 - 36 147 GALLON VERTICAL CHILLED WATER SYSTEM EXPANSION TANK, WESSELLS MODEL N1AP-560 OR EQUAL. SEE EXPANSION TANK PIPING DETAIL
 - 37 3/4" CW DN TO HB MTD 24" AFF
 - 38 6" FROT WATER SERVICE DN
 - 39 3" WATER METER WITH 3" REDUCED PRESSURE BACKFLOW PREVENTER. SEE WATER METER PIPING DETAIL
 - 40 WATER HAMMER ARRESTOR
 - 41 PROVIDE TRIBRO WASTE & WATER PIPING PROTECTORS & OFFSET WASTE ARM



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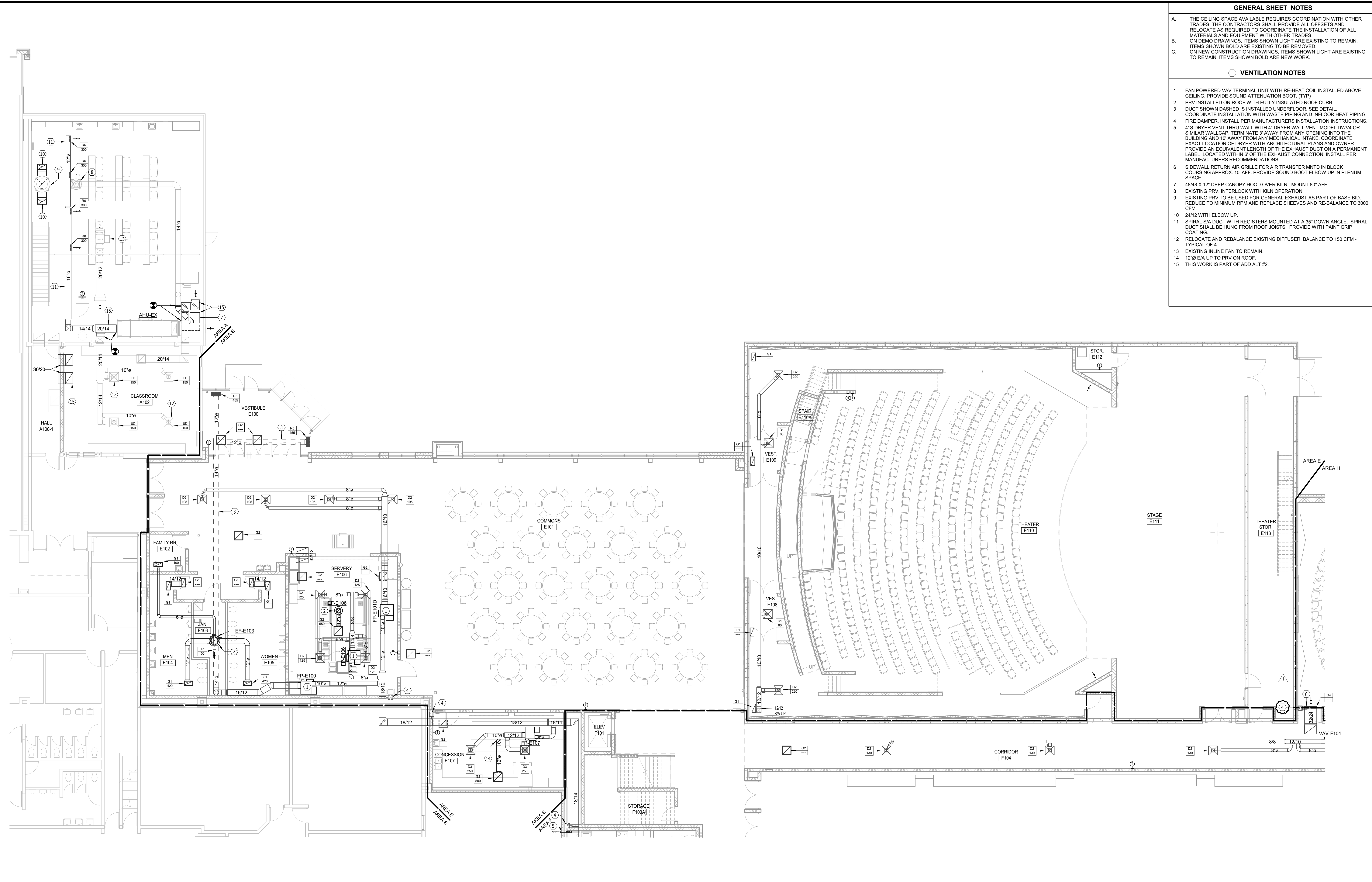
ACEI PROJ. #122033

BALTIC HIGH SCHOOL ADDITION
ENLARGED SECOND FLOOR PLANS - AREAS F & G - PLUMBING & HEATING

Project
Sheet Number

number	0727.2957.21	
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drawn	DWM checked Dd	
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1	1-13-23	ADDENDUM 1
2	1-20-23	ADDENDUM 2

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- GENERAL SHEET NOTES**
- THE CEILING SPACE AVAILABLE REQUIRES COORDINATION WITH OTHER TRADES. THE CONTRACTORS SHALL PROVIDE ALL OFFSETS AND RELOCATE AS REQUIRED TO COORDINATE THE INSTALLATION OF ALL MATERIALS AND EQUIPMENT WITH OTHER TRADES.
 - ON DEMO DRAWINGS, ITEMS SHOWN LIGHT ARE EXISTING TO REMAIN, ITEMS SHOWN BOLD ARE EXISTING TO BE REMOVED.
 - ON NEW CONSTRUCTION DRAWINGS, ITEMS SHOWN LIGHT ARE EXISTING TO REMAIN, ITEMS SHOWN BOLD ARE NEW WORK.
- VENTILATION NOTES**
- FAN POWERED VAV TERMINAL UNIT WITH RE-HEAT COIL INSTALLED ABOVE CEILING. PROVIDE SOUND ATTENUATION BOOT. (TYP)
 - PRV INSTALLED ON ROOF WITH FULLY INSULATED ROOF CURB.
 - DUCT SHOWN DASHED IS INSTALLED UNDERFLOOR. SEE DETAIL. COORDINATE INSTALLATION WITH WASTE PIPING AND INFLOOR HEAT PIPING.
 - FIRE DAMPER. INSTALL PER MANUFACTURERS INSTALLATION INSTRUCTIONS.
 - 4"Ø DRYER VENT THRU WALL WITH 4" DRYER WALL VENT MODEL DWV4 OR SIMILAR WALLCAP. TERMINATE 3' AWAY FROM ANY OPENING INTO THE BUILDING AND 10' AWAY FROM ANY MECHANICAL INTAKE. COORDINATE EXACT LOCATION OF DRYER WITH ARCHITECTURAL PLANS AND OWNER. PROVIDE AN EQUIVALENT LENGTH OF THE EXHAUST DUCT ON A PERMANENT LABEL LOCATED WITHIN 6" OF THE EXHAUST CONNECTION. INSTALL PER MANUFACTURERS RECOMMENDATIONS.
 - SIDEWALL RETURN AIR GRILLE FOR AIR TRANSFER MNTD IN BLOCK COURSING APPROX. 10" AFF. PROVIDE SOUND BOOT ELBOW UP IN PLENUM SPACE.
 - 48"Ø X 12" DEEP CANOPY HOOD OVER KILN. MOUNT 80" AFF.
 - EXISTING PRV. INTERLOCK WITH KILN OPERATION.
 - EXISTING PRV TO BE USED FOR GENERAL EXHAUST AS PART OF BASE BID. REDUCE TO MINIMUM RPM AND REPLACE SHEEVES AND RE-BALANCE TO 3000 CFM.
 - 24"Ø WITH ELBOW UP.
 - SPIRAL SIA DUCT WITH REGISTERS MOUNTED AT A 35° DOWN ANGLE. SPIRAL DUCT SHALL BE HUNG FROM ROOF JOISTS. PROVIDE WITH PAINT GRIP COATING.
 - RELOCATE AND REBALANCE EXISTING DIFFUSER. BALANCE TO 150 CFM - TYPICAL OF 4.
 - EXISTING INLINE FAN TO REMAIN.
 - 12"Ø EIA UP TO PRV ON ROOF.
 - THIS WORK IS PART OF ADD ALT #2.

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BALTIC HIGH SCHOOL ADDITION

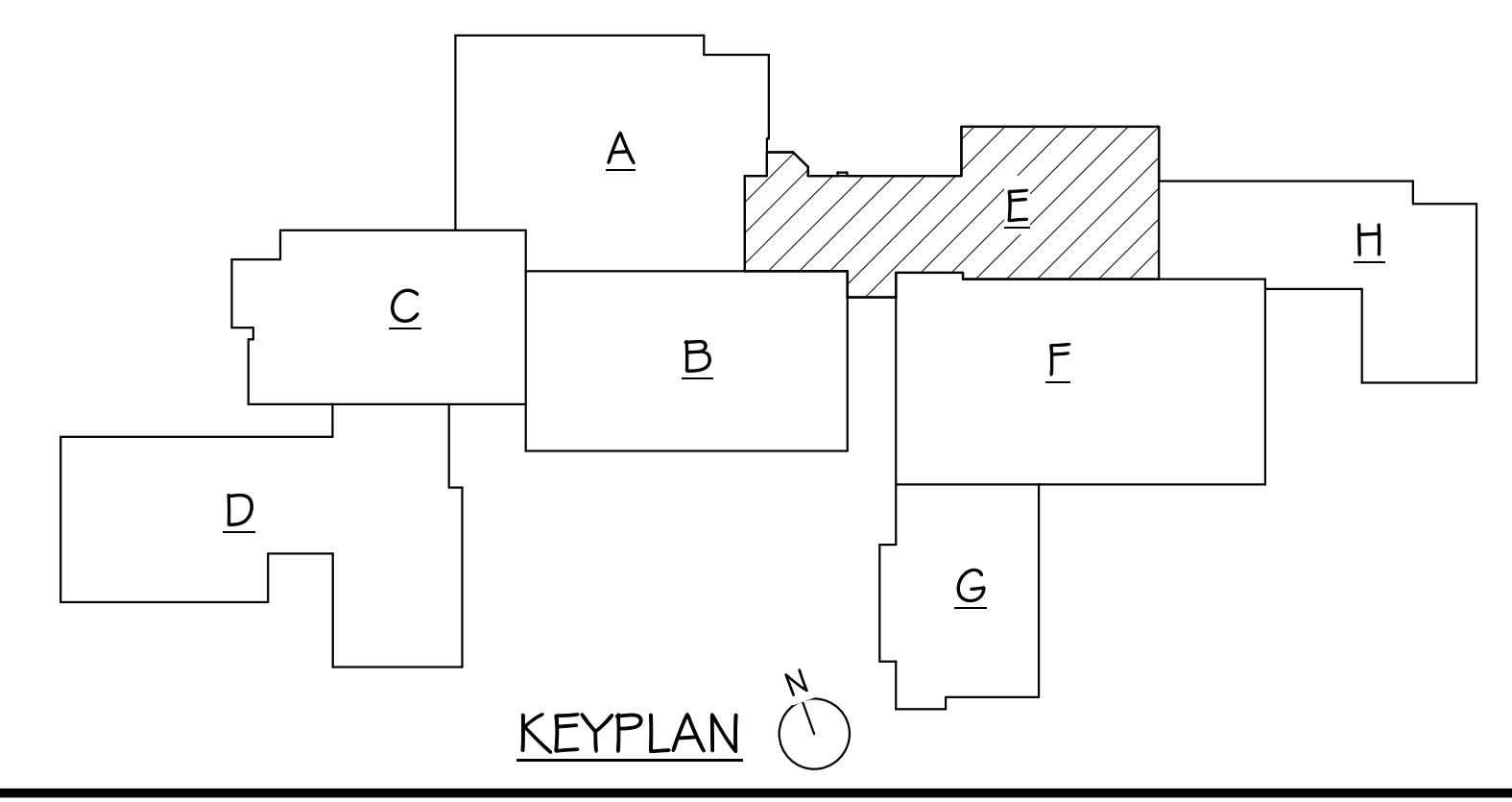
FIRST FLOOR PLAN - AREA E - VENTILATION & A/C

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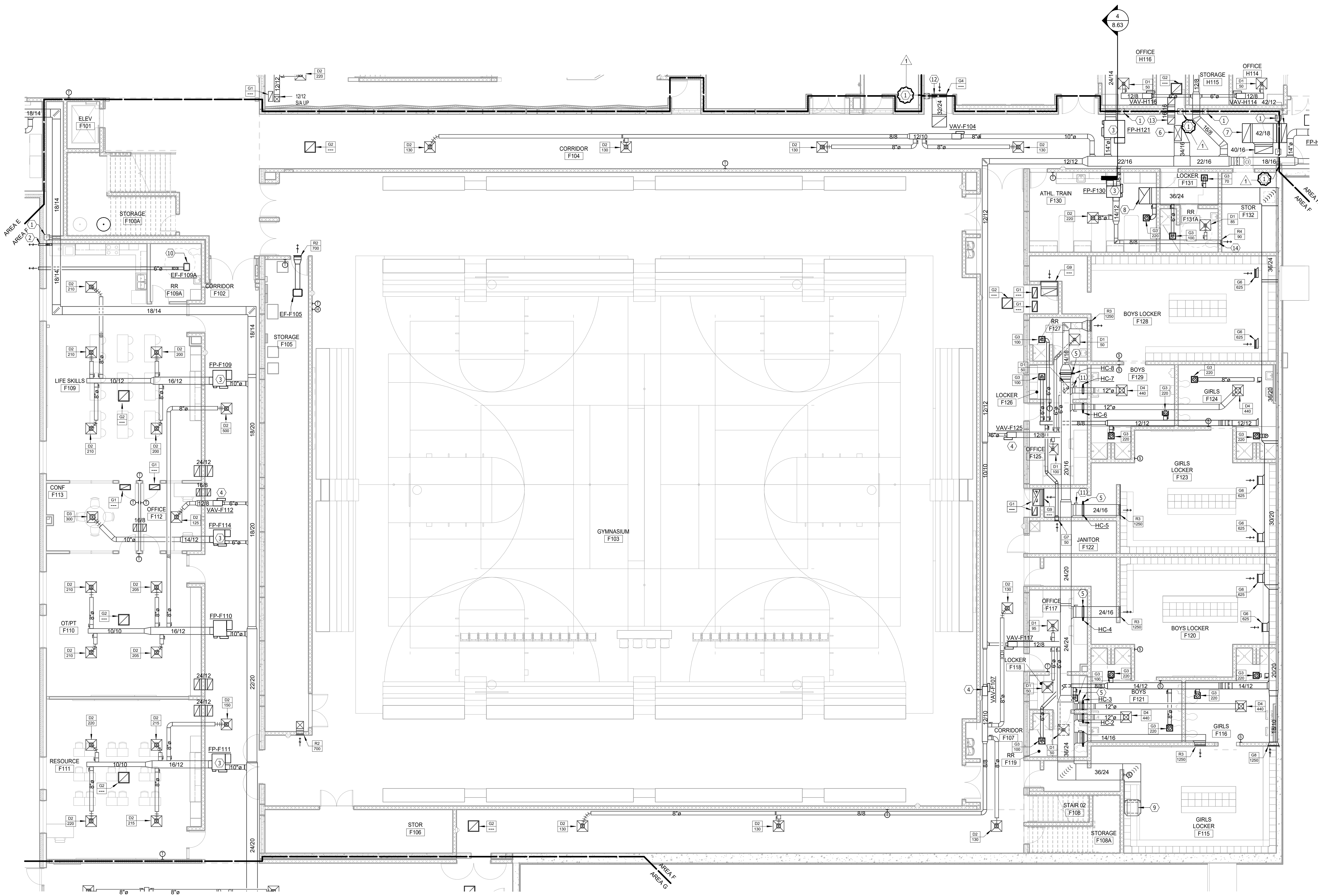
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FIRST FLOOR PLAN - AREA E - VENTILATION & A/C
SCALE 0 4 8 12 16

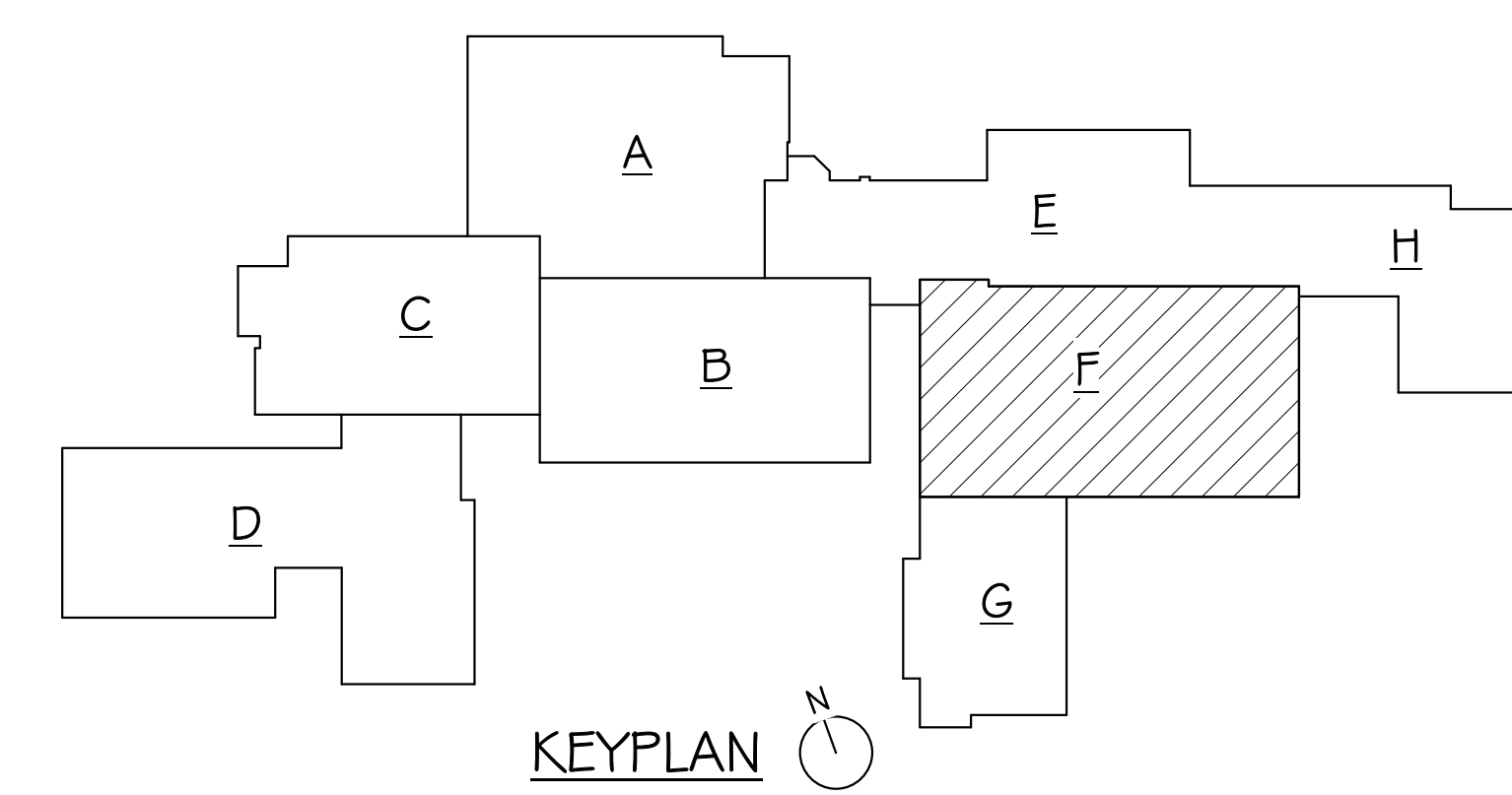


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FIRST FLOOR PLAN - AREA F - VENTILATION & A/C
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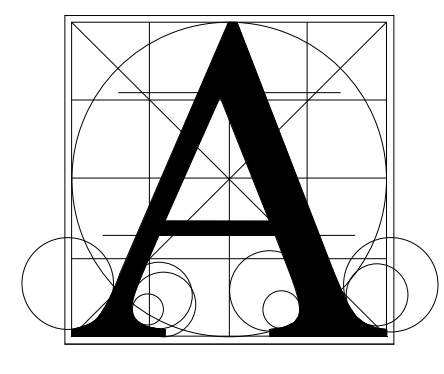
KEYPLAN

GENERAL SHEET NOTES

- A. THE CEILING SPACE AVAILABLE REQUIRES COORDINATION WITH OTHER TRADES. THE CONTRACTORS SHALL PROVIDE ALL OFFSETS AND RELOCATE AS REQUIRED TO COORDINATE THE INSTALLATION OF ALL MATERIALS AND EQUIPMENT WITH OTHER TRADES.
- B. ON DEMO DRAWINGS, ITEMS SHOWN LIGHT ARE EXISTING TO REMAIN, ITEMS SHOWN BOLD ARE EXISTING TO BE REMOVED.
- C. ON NEW CONSTRUCTION DRAWINGS, ITEMS SHOWN LIGHT ARE EXISTING TO REMAIN, ITEMS SHOWN BOLD ARE NEW WORK.

VENTILATION NOTES

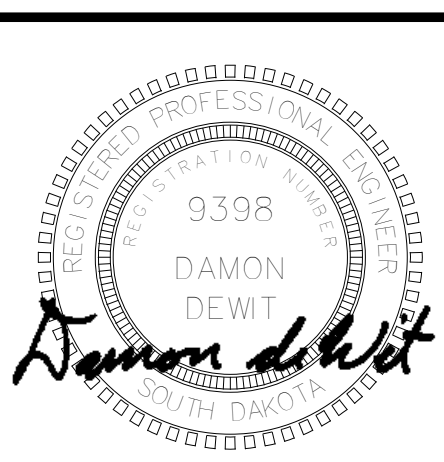
- 1 FIRE DAMPER, INSTALL PER MANUFACTURERS INSTALLATION INSTRUCTIONS.
- 2 4" DRYER VENT THRU WALL WITH 4" DRYER WALL VENT MODEL DWV4 OR SIMILAR WALLCAP. TERMINATE 3' AWAY FROM ANY OPENING INTO THE BUILDING AND 10' AWAY FROM ANY MECHANICAL INTAKE. COORDINATE EXACT LOCATION OF DRYER WITH ARCHITECTURAL PLANS AND OWNER. PROVIDE AN EQUIVALENT LENGTH OF THE EXHAUST DUCT ON A PERMANENT LABEL LOCATED WITHIN 6" OF THE EXHAUST CONNECTION. INSTALL PER MANUFACTURERS RECOMMENDATIONS.
- 3 FAN POWERED VAV TERMINAL UNIT WITH RE-HEAT COIL INSTALLED ABOVE CEILING. PROVIDE SOUND ATTENUATION BOOT. (TYP)
- 4 SHUT OFF TYPE VAV TERMINAL WITH RE-HEAT COIL INSTALLED ABOVE CEILING. (TYP)
- 5 DUCT MOUNTED HOT WATER HEATING COIL.
- 6 SUPPLY DUCT UP THRU FLOOR TO AIR HANDLING UNIT.
- 7 RETURN DUCT UP THRU FLOOR TO AIR HANDLING UNIT.
- 8 EXHAUST DUCT UP THRU FLOOR.
- 9 SUPPLY AIR DUCT UP THRU FLOOR TO TRANSFER FAN.
- 10 CEILING MOUNT EXHAUST FAN. PROVIDE EXHAUST DUCT THRU WALL AND TERMINATE WITH WALLCAP.
- 11 BALANCE DAMPER. (TYP)
- 12 SIDEWALL RETURN AIR GRILLE FOR AIR TRANSFER MTD IN BLOCK COURSING APPROX. 10' AFF. PROVIDE SOUND BOOT ELBOW UP IN PLENUM SPACE.
- 13 AIR TRANSFER DUCT WITH OPENINGS ON BOTH SIDES OF WALL. BOTH OPENINGS SHALL BE IN THE TOP OR ON THE SAME SIDE - NO TURN VANES. SIZE AS SHOWN OR AT 500 FPM. (TYP)
- 14 8/8 S/A THRU WALL IN A BLOCK COURSING.



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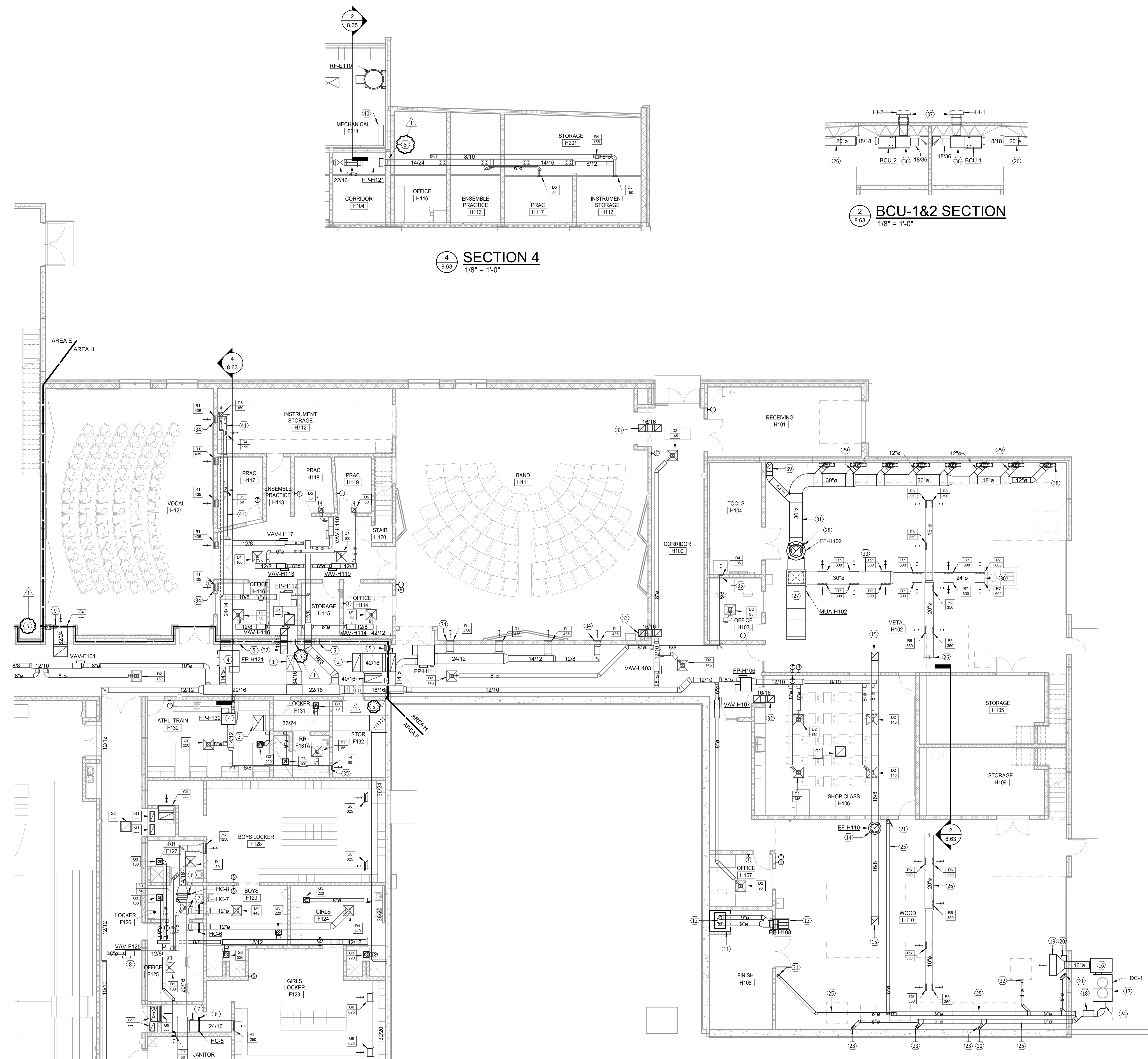
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BALTIC HIGH SCHOOL ADDITION
FIRST FLOOR PLAN - AREA F - VENTILATION & A/C

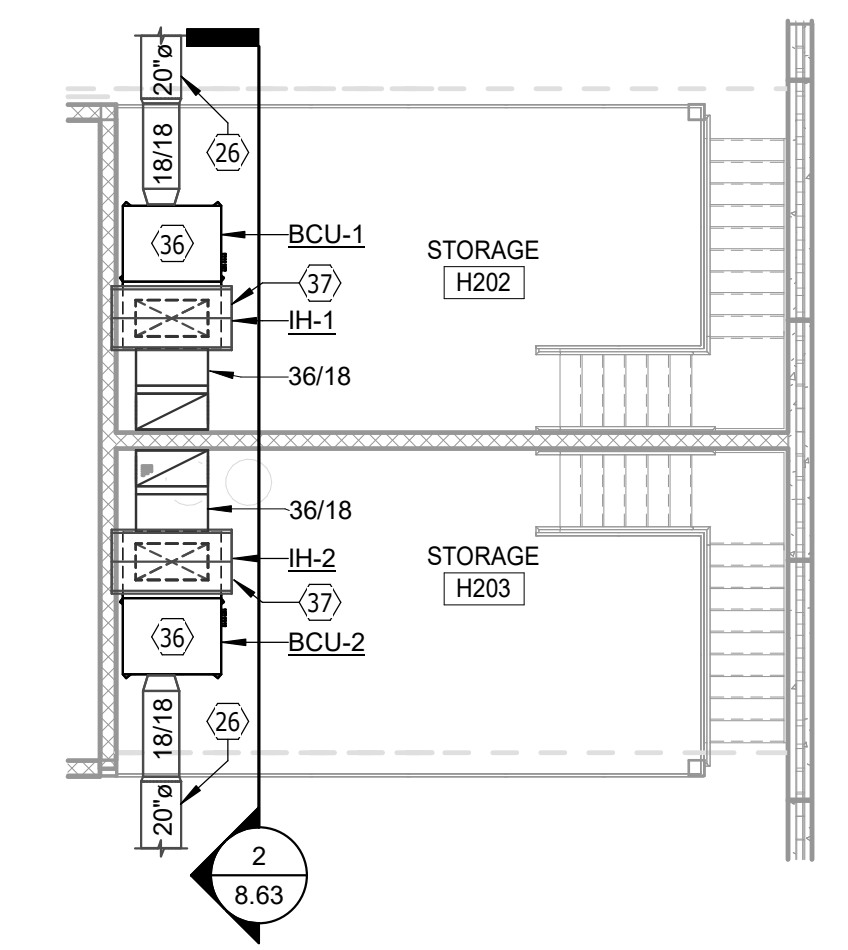
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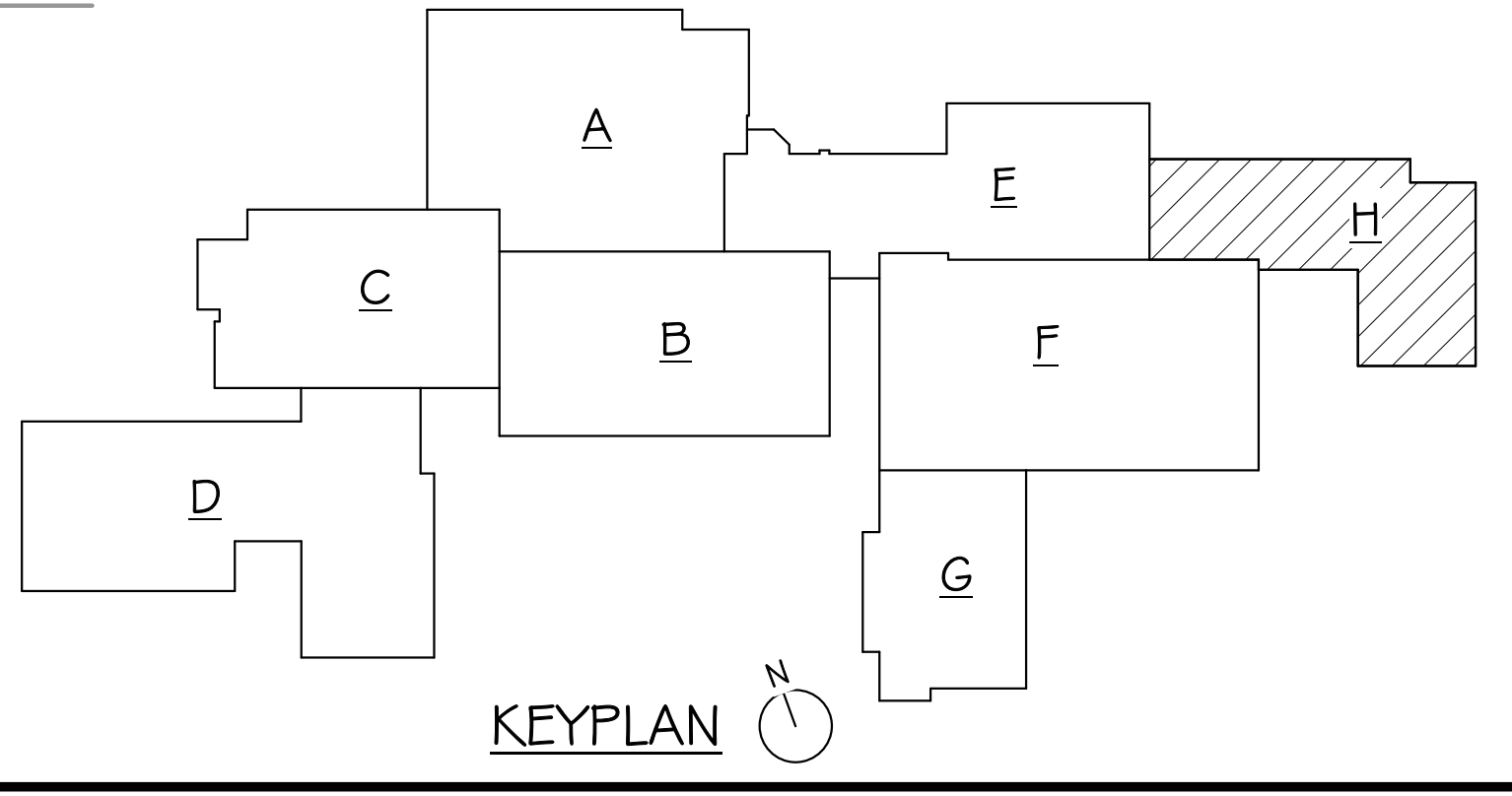
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FIRST FLOOR PLAN - AREA H - VENTILATION & A/C
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MEZZANINE FLOOR PLAN - AREA H - VENTILATION & A/C
 SCALE 0 4 8 12 16



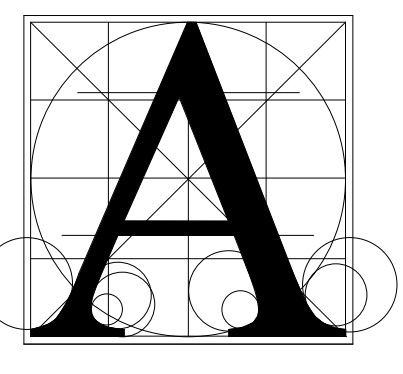
KEYPLAN

GENERAL SHEET NOTES

- A. THE CEILING SPACE AVAILABLE REQUIRES COORDINATION WITH OTHER TRADES. THE CONTRACTORS SHALL PROVIDE ALL OFFSETS AND RELOCATE AS REQUIRED TO COORDINATE THE INSTALLATION OF ALL MATERIALS AND EQUIPMENT WITH OTHER TRADES.
- B. ON DEMO DRAWINGS, ITEMS SHOWN LIGHT ARE EXISTING TO REMAIN, ITEMS SHOWN BOLD ARE EXISTING TO BE REMOVED.
- C. ON NEW CONSTRUCTION DRAWINGS, ITEMS SHOWN LIGHT ARE EXISTING TO REMAIN, ITEMS SHOWN BOLD ARE NEW WORK.

VENTILATION NOTES

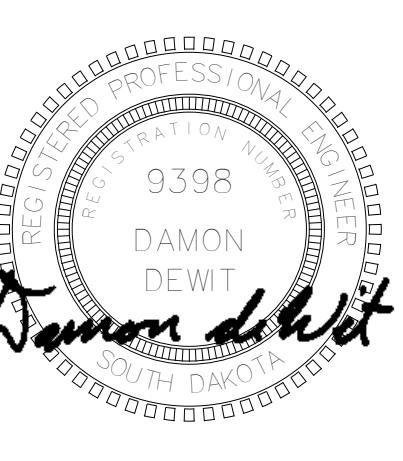
1. SUPPLY DUCT UP THRU FLOOR TO AIR HANDLING UNIT.
2. RETURN DUCT UP THRU FLOOR TO AIR HANDLING UNIT.
3. EXHAUST DUCT UP THRU FLOOR.
4. FAN POWERED VAV TERMINAL UNIT WITH RE-HEAT COIL INSTALLED ABOVE CEILING. PROVIDE SOUND ATTENUATION BOOT. (TYP)
5. FIRE DAMPER. INSTALL PER MANUFACTURERS INSTALLATION INSTRUCTIONS.
6. DUCT MOUNTED HOT WATER HEATING COIL.
7. BALANCE DAMPER, (TYP)
8. SHUT OFF TYPE VAV TERMINAL WITH RE-HEAT COIL INSTALLED ABOVE CEILING. (TYP)
9. SIDEWALL RETURN AIR GRILLE FOR AIR TRANSFER MNTD IN BLOCK COURSING APPROX. 10' AFF. PROVIDE SOUND BOOT ELBOW UP IN PLENUM SPACE.
10. COORDINATE EXACT LOCATIONS OF DUST COLLECTOR DROPS WITH OWNER PROVIDED EQUIPMENT.
11. 48"X48" X 18" DEEP CANOPY HOOD. MOUNT 80" AFF.
12. 9"Ø E/A UP THRU ROOF CURB.
13. UTILITY SET FAN ON ROOF. MOUNT FAN ON ROOF CURB.
14. GENERAL E/A DUCT UP TO PRV ON ROOF WITH 18" INSULATED ROOF CURB. PROVIDE MOTORIZED DAMPER AND INTERLOCKED WITH FAN OPERATION. PROVIDE INSULATED DROP AND DRIP PAN PER SPEC.
15. 16"Ø E/A DUCT WITH 18"Ø OPENING IN TOP. DUCT SHALL NOT EXTEND BELOW BOTTOM OF ROOF. PROVIDE WITH PAINT GRIP COATING.
16. FT40 FILTER UNIT. SEE SPEC FOR MORE DETAIL.
17. DUST COLLECTOR SET ON CONCRETE SURFACE. COORDINATE BOLLARDS WITH GENERAL CONTRACTOR.
18. 12"Ø BAGDRAFT DAMPER/EXPLOSION VENT WITH LIMIT SWITCH.
19. 48"X24" SAFETY MONITORING FILTER FOR AIR BEING RETURNED TO THE SHOP FROM THE DUST COLLECTOR.
20. DUST COLLECTOR CONTROL PANEL. COORDINATE EXACT LOCATION WITH EQUIPMENT LAYOUT AND ELECTRICAL CONTRACTOR.
21. 6"Ø SPIRAL E/A DN TO FLOOR SWEEP WITH BLAST GATE.
22. 4"Ø SPIRAL E/A DN TO DUST COLLECTOR CONNECTION WITH BLAST GATE. PROVIDE RIGID HOSE CONNECTION TO OWNER PROVIDED EQUIPMENT.
23. 6"Ø SPIRAL E/A DN TO TWO 4" DUST COLLECTOR CONNECTIONS WITH BLAST GATES. PROVIDE RIGID HOSE CONNECTION TO OWNER PROVIDED EQUIPMENT.
24. 12"Ø SPIRAL DUST COLLECTOR E/A DN TO DUST COLLECTOR.
25. SPIRAL S/A DUCT WITH REGISTERS MOUNTED AT A 35° DOWN ANGLE. SPIRAL DUCT SHALL MOUNTED BETWEEN ROOF JOISTS. PROVIDE WITH PAINT GRIP COATING.
27. DIRECT FIRED MAKE-UP AIR UNIT MOUNTED ON ROOF WITH FACTORY COMBO ROOF CURB. MAINTAIN MINIMUM 10' FROM ROOF EDGE AND ALL EXHAUST OUTLETS.
28. UBLAST PRV INSTALLED ON FACTORY COMBO ROOF CURB WITH MUA-H102.
29. 12"Ø DN TO WELDING EXHAUST HOOD. SEE DETAIL - TYPICAL OF 8. PROVIDE WITH PAINT GRIP COATING.
30. SPIRAL S/A DUCT WITH REGISTERS MOUNTED AT A 35° DOWN ANGLE. SPIRAL DUCT SHALL BE HUNG FROM ROOF JOISTS. PROVIDE WITH PAINT GRIP COATING.
31. WELDING EXHAUST DUCT SHALL BE MOUNTED BELOW ROOF JOISTS AND CONSTRUCTED TO A MINIMUM -5"WC. PROVIDE WITH PAINT GRIP COATING.
32. AIR TRANSFER DUCT WITH OPENINGS ON BOTH SIDES OF WALL. BOTH OPENINGS SHALL BE IN THE TOP OR ON THE SAME SIDE - NO TURN VANES - SIZE AS SHOWN OR AT 500 FPM. (TYP)
33. AIR TRANSFER DUCT 16" A.F.F. WITH OPENINGS ON BOTH SIDES OF WALL. BOTH OPENINGS SHALL BE IN THE TOP OR ON THE SAME SIDE - NO TURN VANES - SIZE AS SHOWN OR AT 500 FPM. (TYP)
34. 16"Ø S/A THRU WALL IN A BLOCK COURSING. COORDINATE WITH ACOUSTICAL PANEL LOCATIONS.
35. 9"Ø S/A THRU WALL IN A BLOCK COURSING.
36. BLOWER COIL UNIT WITH FILTERED MIXING BOX ON MEZZANINE LEVEL. HUNG FROM ROOF STRUCTURE WITH VIBRATION ISOLATION.
37. INTAKE HOOD INSTALLED ON ROOF WITH FULLY INSULATED 18" ROOF CURB. SEE DETAIL. PROVIDE MOTORIZED DAMPER AND INSULATED DROP.
38. WELDING EXHAUST HOOD AND TABLE. SEE DETAIL. PROVIDE BLAST GATE AND BALANCE TO 900 CFM. CONTRACTOR RESPONSIBLE FOR RELOCATING 6 EXISTING HOODS AND ADDING BLAST GATES. PROVIDE 3 NEW HOODS AND TABLES. ONE TABLE SHALL BE ADA HEIGHT. COORDINATE LOCATION WITH ARCHITECT AND OWNER.
39. 14"Ø WELDING EXHAUST WITH BLAST GATE DOWN TO OWNER PROVIDED PLASMA CUT TABLE. PROVIDE CONNECTION TO EQUIPMENT CONNECTOR.
40. VFD FOR PAC RELIEF EXHAUST FAN RF-E110, AHU-3, & AHU-5. COORDINATE EXACT LOCATION WITH EQUIPMENT LAYOUT AND ELECTRICAL CONTRACTOR.
41. DUCTS STACKED AGAINST WALL IN MEZZANINE. SEE SECTION DRAWING.



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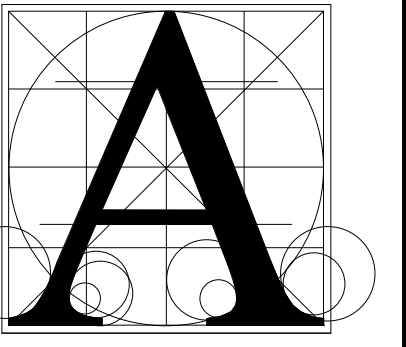
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BALTIC HIGH SCHOOL ADDITION
FIRST FLOOR PLAN - AREA H - VENTILATION & A/C

Project	number	0727.2957.21
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	1	1-20-23 APPENDUM 2

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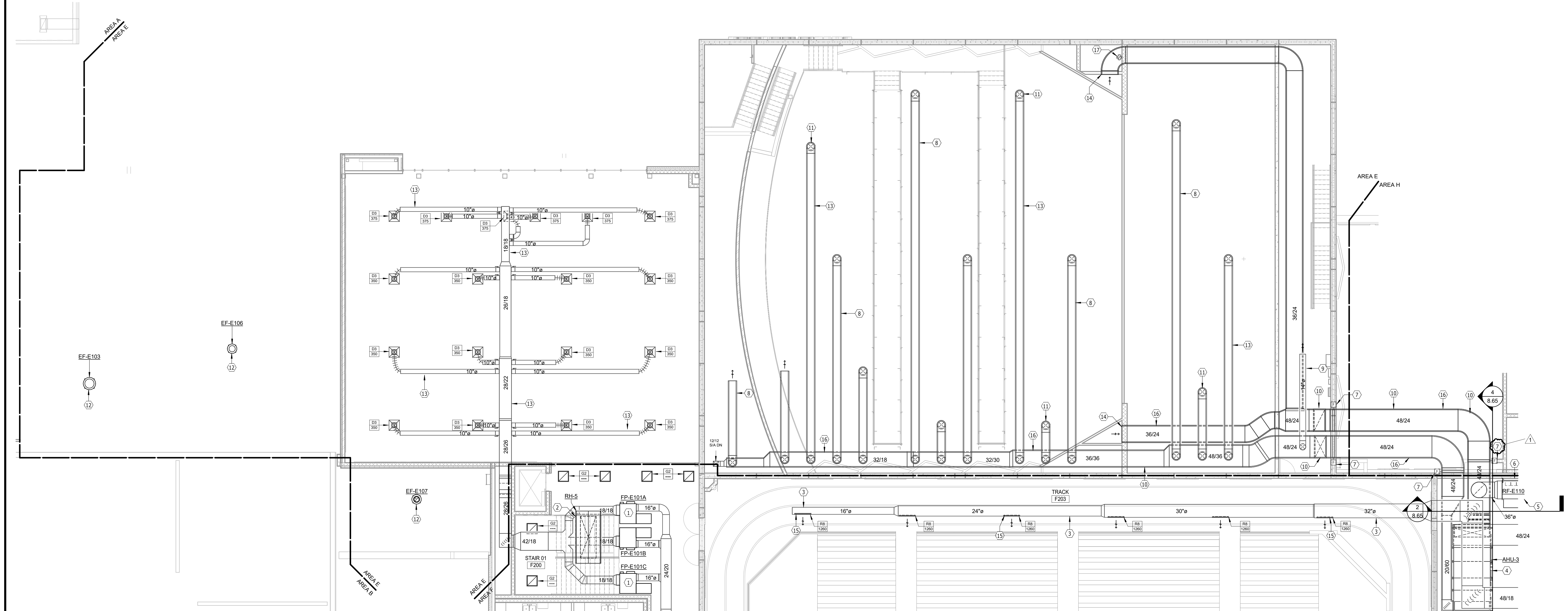
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GENERAL SHEET NOTES

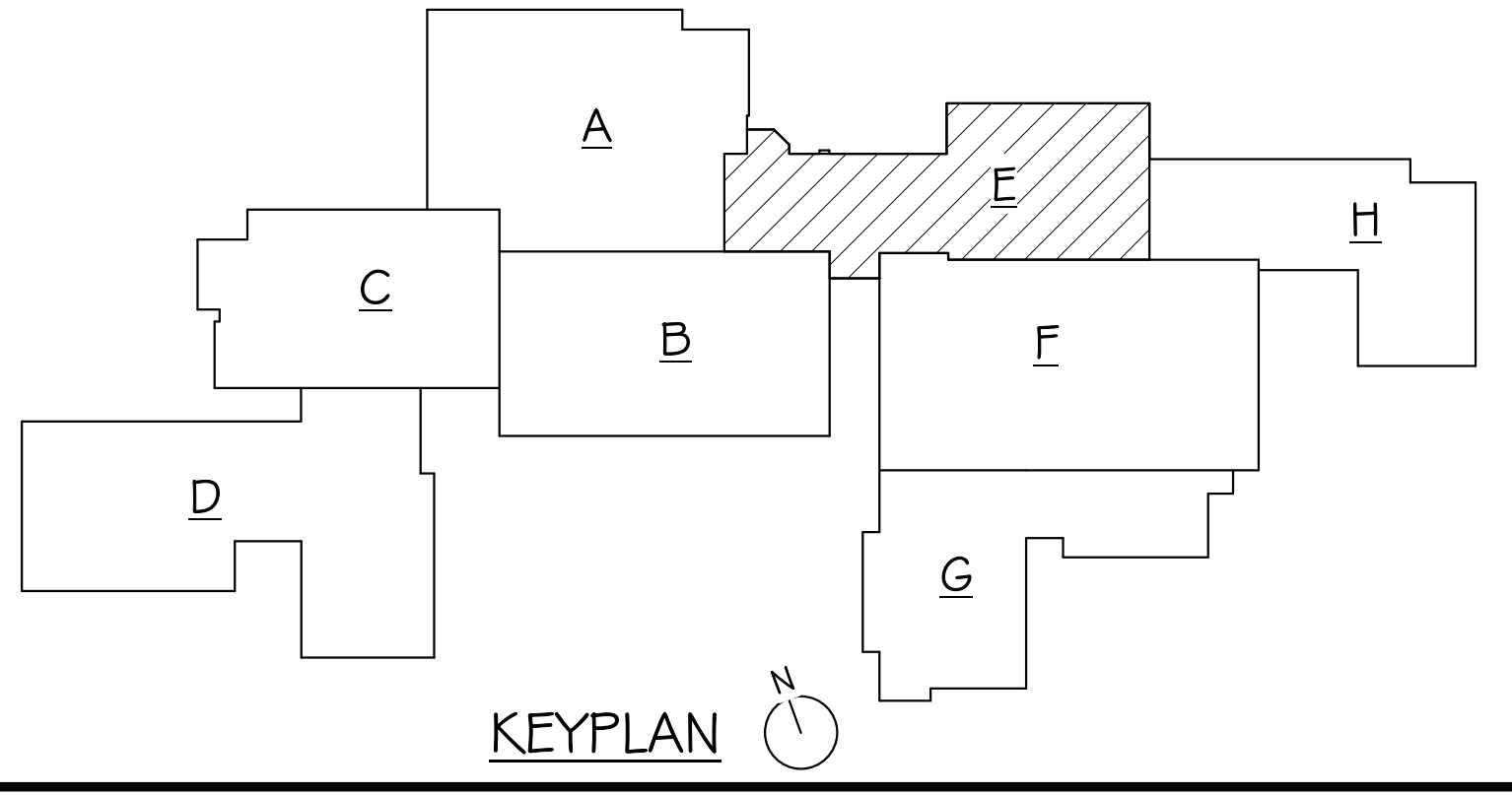
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- B. ON DEMO DRAWINGS, ITEMS SHOWN LIGHT ARE EXISTING TO REMAIN, ITEMS SHOWN BOLD ARE EXISTING TO BE REMOVED.
- C. ON NEW CONSTRUCTION DRAWINGS, ITEMS SHOWN LIGHT ARE EXISTING TO REMAIN, ITEMS SHOWN BOLD ARE NEW WORK.

VENTILATION NOTES

- 1 FAN POWERED VAV TERMINAL UNIT WITH RE-HEAT COIL INSTALLED ABOVE CEILING. PROVIDE SOUND ATTENUATION BOOT, (TYP)
- 2 RELIEF HOOD INSTALLED ON ROOF WITH FULLY INSULATED ROOF CURB. SEE DETAIL. PROVIDE INSULATED DROP AND DRIP PAN PER SPEC.
- 3 SPIRAL S/A DUCT WITH REGISTERS MOUNTED AT A 35° DOWN ANGLE. SPIRAL DUCT SHALL BE ROUTED THRU ROOF JOISTS. PROVIDE WITH PAINT GRIP COATING.
- 4 AIR HANDLING UNIT WITH 6" BASERAIL INSTALLED ON 4" EQUIPMENT PAD BY THE GENERAL CONTRACTOR. PROVIDE WITH FLEXIBLE DUCT CONNECTIONS.
- 5 IN-LINE RELIEF FAN HUNG FROM STRUCTURE WITH ANTI-VIBRATION HANGING KIT. PROVIDE WITH FLEXIBLE DUCT CONNECTIONS.
- 6 VFD FOR PAC RELIEF EXHAUST FAN RF-E110, AHU-3, & AHU-5. COORDINATE EXACT LOCATION WITH EQUIPMENT LAYOUT AND ELECTRICAL CONTRACTOR.
- 7 FIRE DAMPER. INSTALL PER MANUFACTURERS INSTALLATION INSTRUCTIONS.
- 8 20" SPIRAL ROUTED BETWEEN ROOF JOISTS. PROVIDE WITH 2" ACOUSTICAL LINER. BALANCE TO 710 CFM. TYP OF 14.
- 9 14" SPIRAL ROUTED BETWEEN ROOF JOISTS. BALANCE TO 575 CFM.
- 10 ALL DUCTWORK FOR PAC SHALL BE 18 GA. WITH 2" ACOUSTICAL LINER. ELBOWS SHALL BE RADIUS.
- 11 ELBOW DUCTWORK DOWN. TERMINATE ABOVE ACOUSTICAL LINER. ELEVATION.
- 12 PRV INSTALLED ON ROOF WITH FULLY INSULATED ROOF CURB.
- 13 ROUTE DUCTWORK IN JOIST SPACE.
- 14 STUB RETURN AIR DUCT INTO VERTICAL CHASE.
- 15 DRUM DIFFUSER MOUNTED DIRECTLY TO SIDE OF SPIRAL DUCT - TYPICAL. DUCT SHALL HAVE 2" ACOUSTICAL LINER. DUCT SIZES CALLED OUT AS CLEAR INSIDE DIMENSIONS AFTER 2" LINER.
- 16 8" R/A WITH MOTORIZED DAMPER CONTROLLED BY TSTAT AT FIRST FLOOR LEVEL.



SECOND FLOOR PLAN - AREA E - VENTILATION & A/C
 SCALE 0' 4' 8' 12' 16'

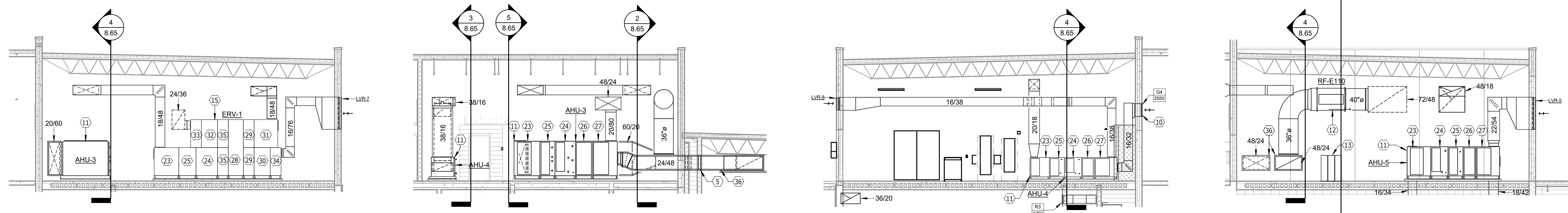


BALTIC HIGH SCHOOL ADDITION
SECOND FLOOR PLAN - AREA E - VENTILATION & A/C

Project	number	0727.2957.21	
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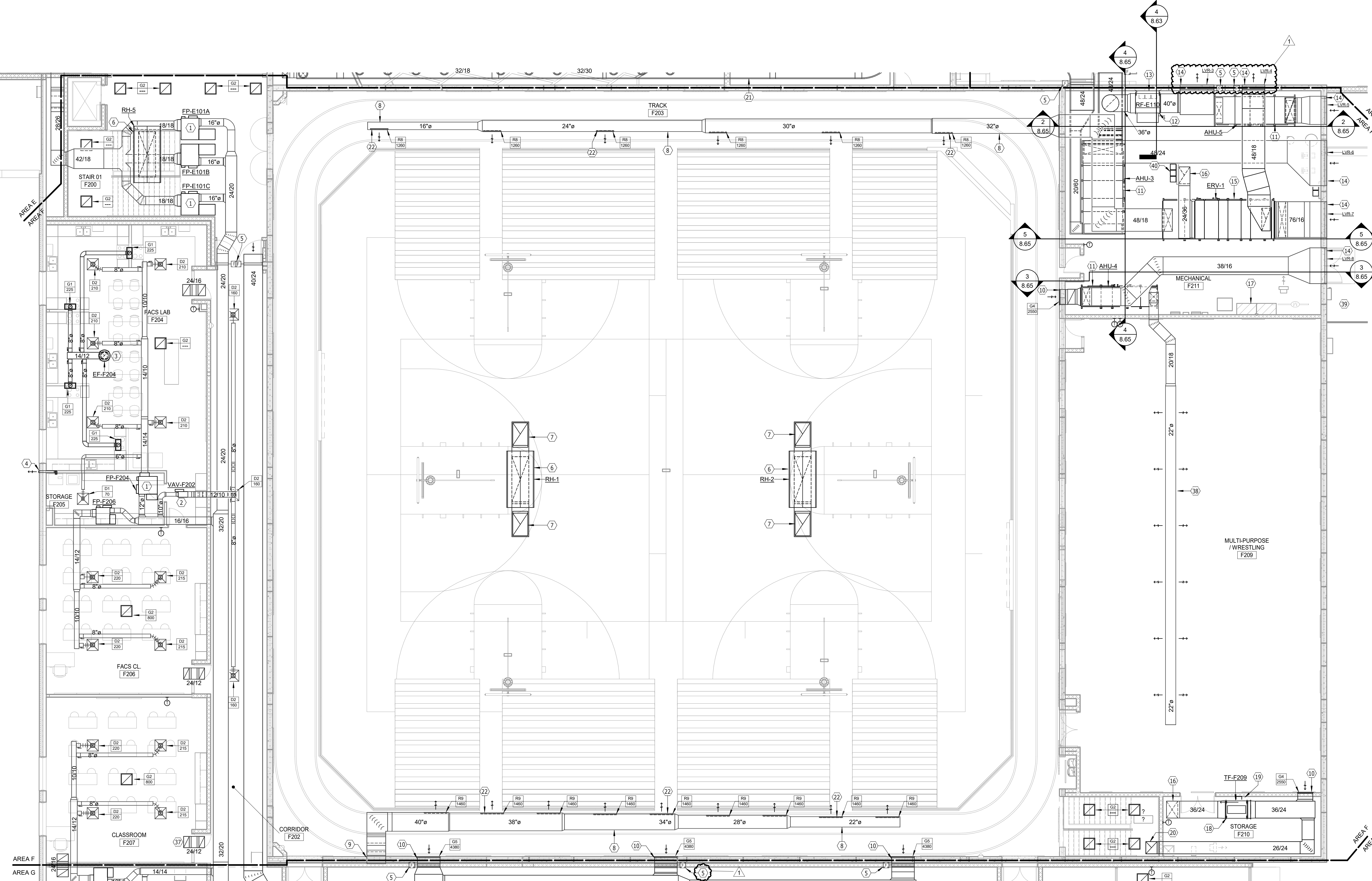


5 ERV-1 SECTION
1/8" = 1'-0"

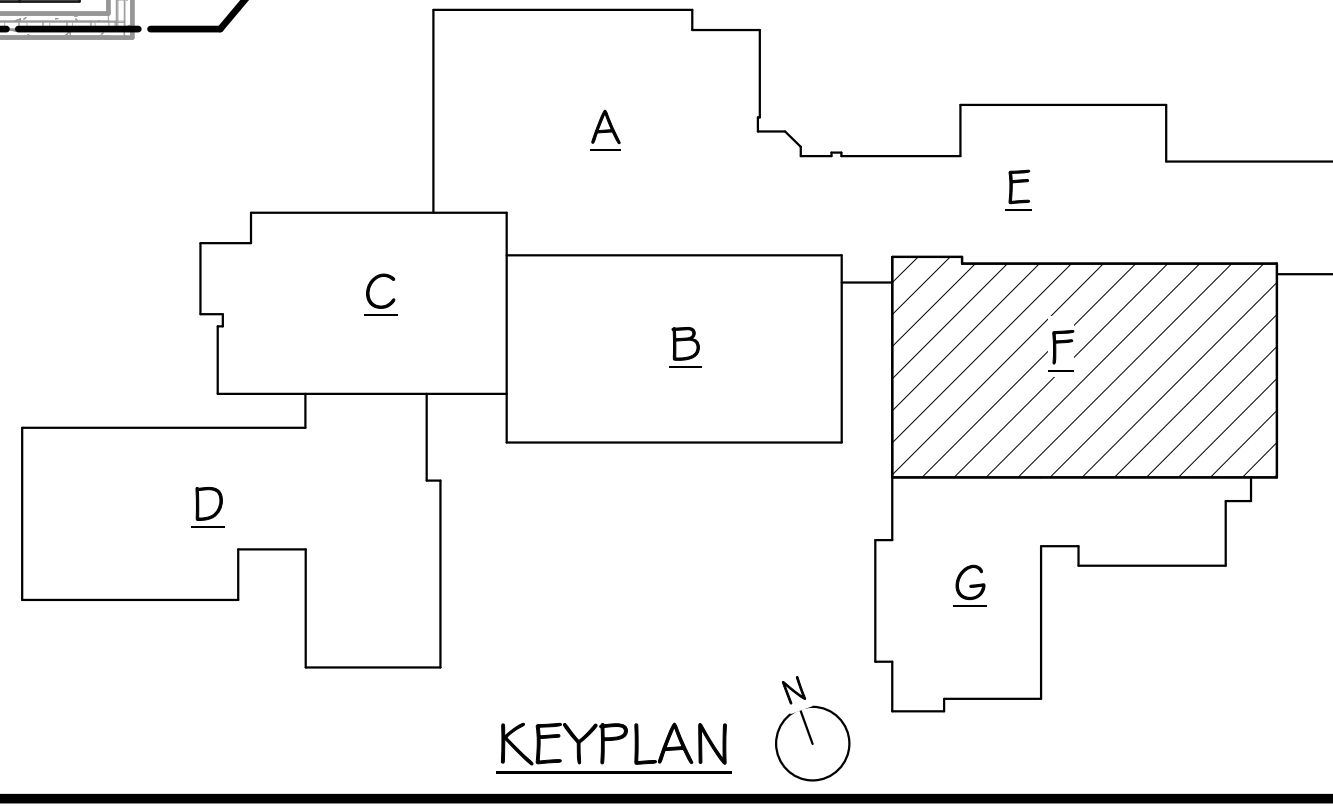
4 AHU-3 SECTION
1/8" = 1'-0"

3 AHU-4 SECTION
1/8" = 1'-0"

2 AHU-5 SECTION
1/8" = 1'-0"



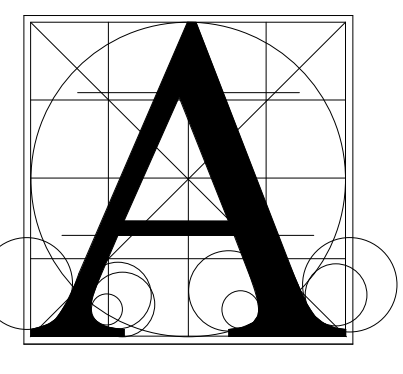
SECOND FLOOR PLAN - AREA F - VENTILATION & A/C
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KEYPLAN

GENERAL SHEET NOTES

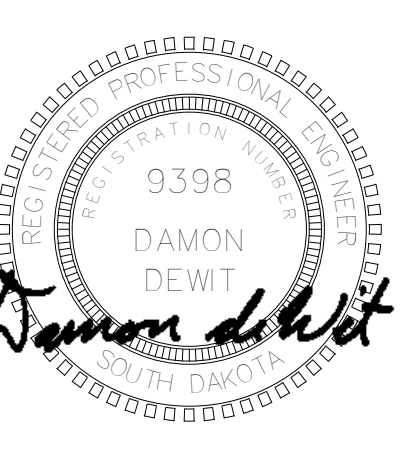
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- VENTILATION NOTES
1. FAN POWERED VAV TERMINAL UNIT WITH RE-HEAT COIL INSTALLED ABOVE CEILING. PROVIDE SOUND ATTENUATION BOOT. (TYP)
 2. SHUT OFF TYPE VAV TERMINAL WITH RE-HEAT COIL INSTALLED ABOVE CEILING. (TYP)
 3. PRV INSTALLED ON ROOF WITH FULLY INSULATED ROOF CURB.
 4. 4" DRYER VENT THRU WALL WITH 4" DRYER WALL VENT MODEL DWV4 OR SIMILAR WALLCAP. TERMINATE 3' AWAY FROM ANY OPENING INTO THE BUILDING AND 10' AWAY FROM ANY MECHANICAL INTAKE. COORDINATE EXACT LOCATION OF DRYER WITH ARCHITECTURAL PLANS AND OWNER. PROVIDE AN EQUIVALENT LENGTH OF THE EXHAUST CONNECTION. LOCATED WITHIN 6' OF THE EXHAUST CONNECTION. INSTALL PER MANUFACTURERS RECOMMENDATIONS.
 5. FIRE DAMPER. INSTALL PER MANUFACTURERS INSTALLATION INSTRUCTIONS.
 6. RELIEF HOOD INSTALLED ON ROOF WITH FULLY INSULATED ROOF CURB. SEE DETAIL. PROVIDE INSULATED DROP AND DRIP PAN PER SPEC.
 7. 36/30 RELIEF AIR DUCT WITH 30/48 OPENINGS IN TOP. PROVIDE EXPT MTL OVER OPENINGS.
 8. SPIRAL SIA DUCT WITH REGISTERS MOUNTED AT A 35° DOWN ANGLE. SPIRAL DUCT SHALL BE ROUTED THRU ROOF JOISTS. PROVIDE WITH PAINT GRIP COATING.
 9. SUPPLY AIR DUCT THRU RATED PRECAST WALL INTO PENTHOUSE. PROVIDE FIRE DAMPER. SEE PENTHOUSE PLAN FOR CONTINUATION.
 10. SIDEWALL RETURN GRILLE.
 11. AIR HANDLING UNIT WITH 6" BASERAIL. INSTALLED ON 4" EQUIPMENT PAD BY THE GENERAL CONTRACTOR. PROVIDE WITH FLEXIBLE DUCT CONNECTIONS.
 12. IN-LINE RELIEF FAN HUNG FROM STRUCTURE WITH ANTI-VIBRATION HANGING KIT. PROVIDE WITH FLEXIBLE DUCT CONNECTIONS.
 13. VFD FOR PAC RELIEF EXHAUST FAN RE-E110, AHU-3, & AHU-5. COORDINATE EXACT LOCATION WITH EQUIPMENT LAYOUT AND ELECTRICAL CONTRACTOR.
 14. LOUVER WITH EXTENDED SILL WITH END DAMS. SEE DETAIL.
 15. ENERGY RECOVERY VENTILATOR UNIT INSTALLED ON CONCRETE PAD BY THE GENERAL CONTRACTOR. PROVIDE WITH FLEXIBLE DUCT CONNECTIONS.
 16. SEE FIRST FLOOR PLAN FOR CONTINUATION.
 17. ELECTRICAL EQUIPMENT SPACE. MAINTAIN REQUIRED CLEARANCES.
 18. AIR TRANSFER FAN HUNG FROM STRUCTURE WITH VIBRATION ISOLATION. PROVIDE WITH FACTORY 1" FILTER CABINET AND BACKDRAFT DAMPER. FAN CONTROLLED BY VFD AND ROOM PRESSURE SENSOR.
 19. VFD FOR TRANSFER FAN TF-F209. COORDINATE EXACT LOCATION WITH EQUIPMENT LAYOUT AND ELECTRICAL CONTRACTOR.
 20. PROVIDE OPENING IN TOP OF DUCT.
 21. ALL DUCTWORK FOR PAC SHALL BE 18 GA. WITH 2" ACCOUSTICAL LINER. ELBOWS SHALL BE RADIUS.
 22. DRUM DIFFUSER MOUNTED DIRECTLY TO SIDE OF SPIRAL DUCT - TYPICAL.
 23. SUPPLY FAN SECTION W/ACCESS DOOR.
 24. CHILLED WATER COOLING COIL SECTION W/ACCESS DOOR.
 25. HOT WATER HEATING COIL SECTION W/ACCESS DOOR.
 26. AIR BLENDER W/ACCESS DOOR.
 27. FILTER/RINGING BOX W/ACCESS DOOR.
 28. ENERGY RECOVERY WHEEL.
 29. ACCESS SECTION.
 30. OUTSIDE AIR FILTER SECTION.
 31. EXHAUST AIR FAN SECTION.
 32. RETURN AIR FILTER SECTION.
 33. EXHAUST AIR INLET PLENUM.
 34. OUTSIDE AIR INLET PLENUM.
 35. RECIRC SECTION.
 36. DUCT SHALL HAVE 2" ACCOUSTICAL LINER. DUCT SIZES CALLED OUT AS CLEAR INSIDE DIMENSIONS AFTER 2" LINER.
 37. AIR TRANSFER DUCT WITH OPENINGS ON BOTH SIDES OF WALL. BOTH OPENINGS SHALL BE IN THE TOP OR ON THE SAME SIDE - NO TURN VANES - SIZE AS SHOWN OR AT 500 CFM. (TYP)
 38. 60" X 22" FABRIC DUCT HUNG FROM STRUCTURE 14" A.F.F. DESIGNED FOR 2550 CFM. GRIDDICES LOCATED AT 4 & 7 O'CLOCK WITH 25" THROW.
 39. AIR COOLED CHILLER WITH VIBRATION ISOLATION MOUNTED ON CONCRETE EQUIPMENT PAD APPROX. 27' EAST OF MECHANICAL ROOM. SEE SHEET 8.42 FOR EXACT LOCATION. COORDINATE CONCRETE PAD WITH G.C.
 40. VFD'S FOR ERV-1 SUPPLY & EXHAUST FANS, & AHU-4. COORDINATE EXACT LOCATION WITH EQUIPMENT LAYOUT AND ELECTRICAL CONTRACTOR.



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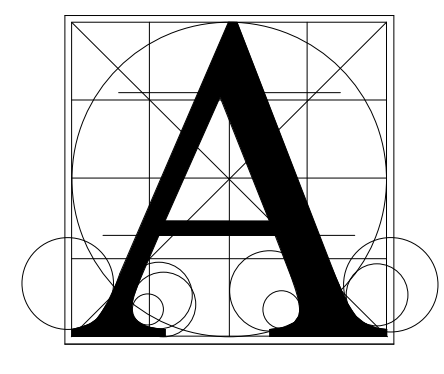
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BAL TIC HIGH SCHOOL ADDITION
 SECOND FLOOR PLAN - AREA F - VENTILATION & A/C

number	0727.2957.21
date	12-22-2022
revision	
drawn	NJH checked Dd
NO.	DATE DESCRIPTION
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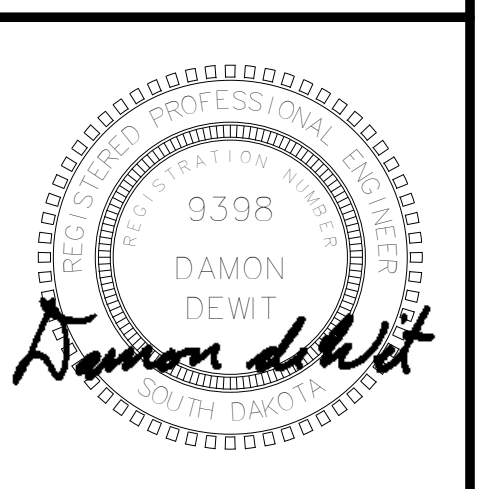
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BALTIC HIGH SCHOOL ADDITION
SECOND FLOOR PLAN - AREA G - VENTILATION & A/C

Project	number	0727.2957.21	
Sheet contents	date	12-22-2022	
	revision		
	drawn	NJH	
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	NO.	DATE	DESCRIPTION
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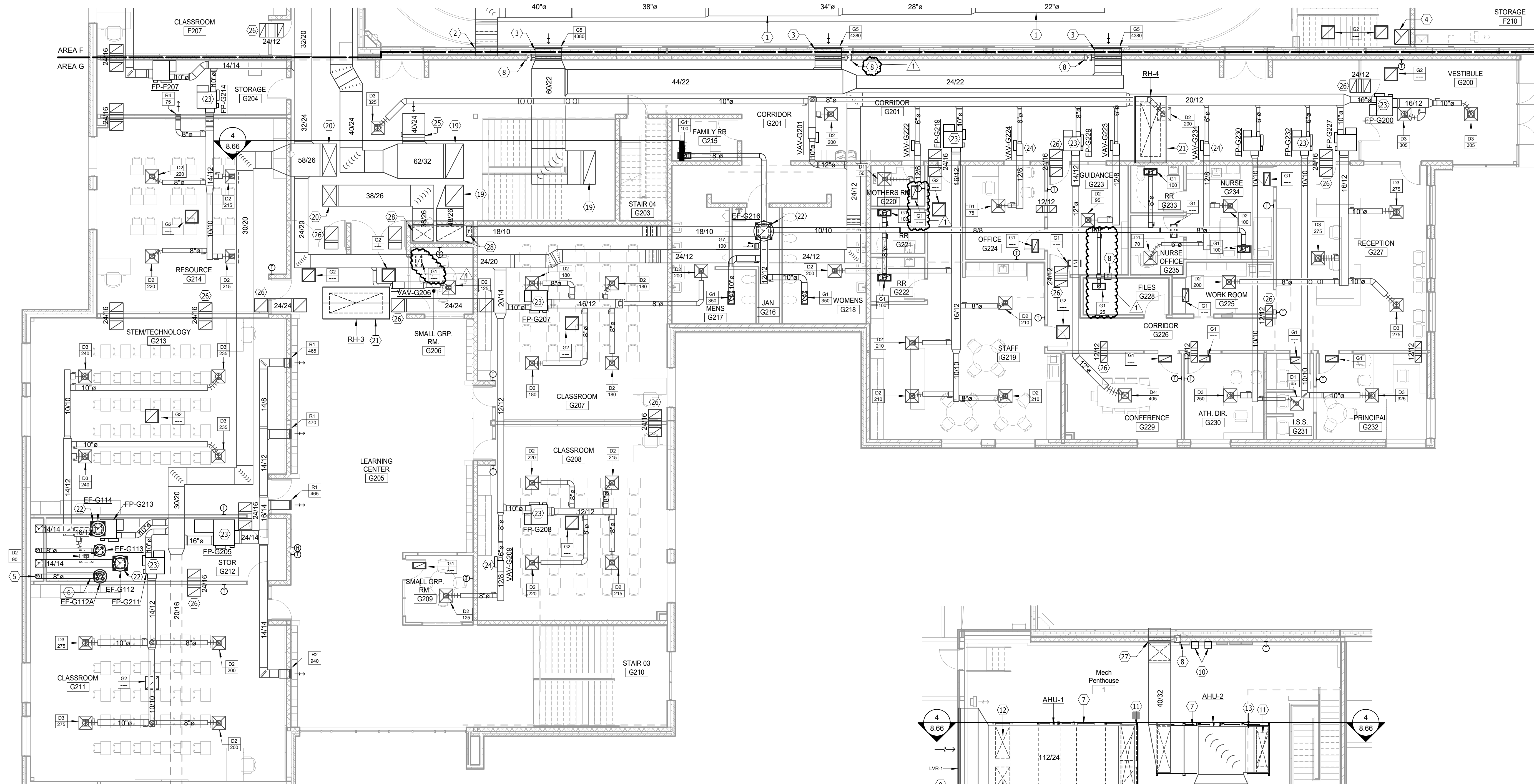
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GENERAL SHEET NOTES

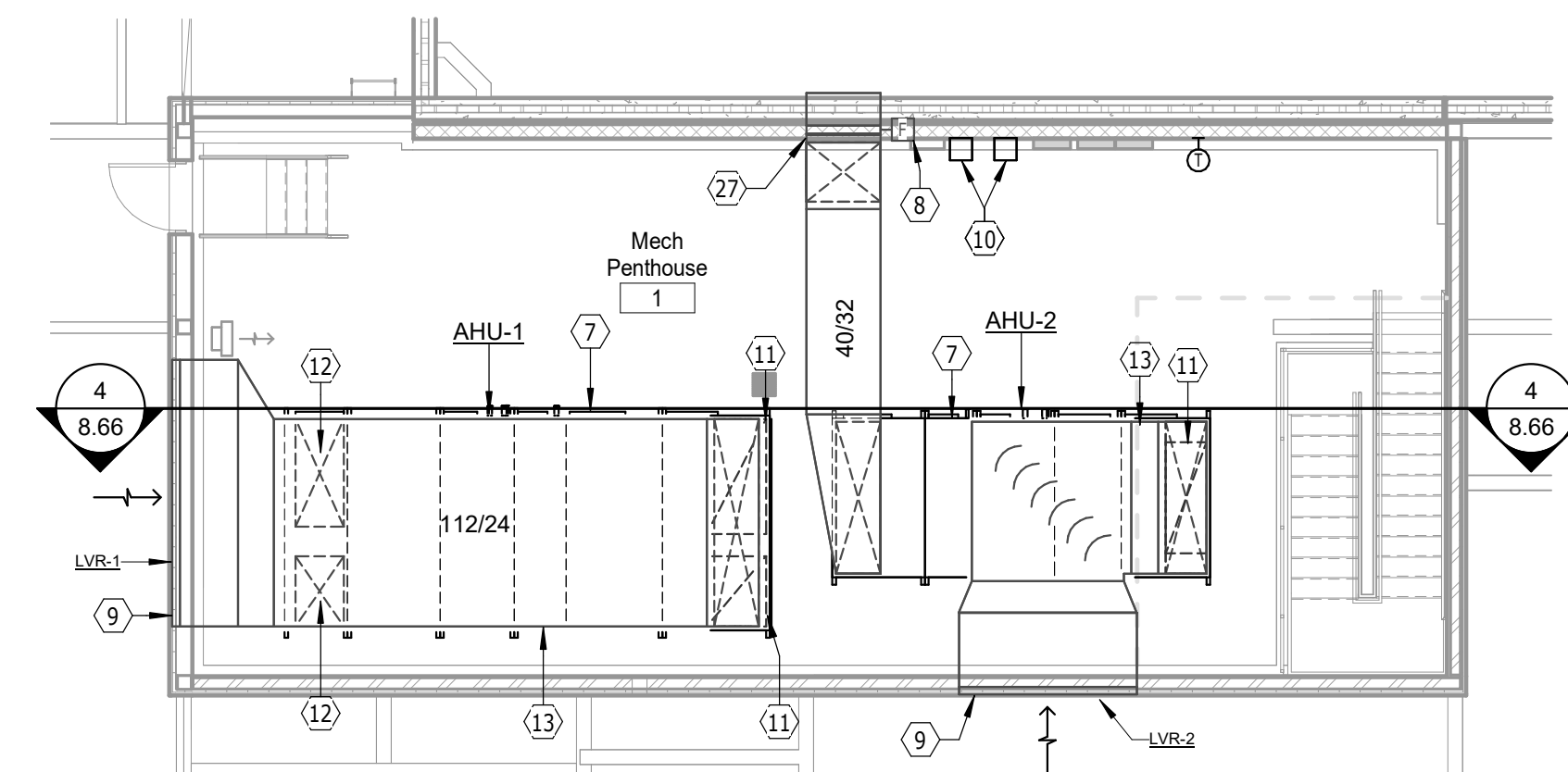
- A. THE CEILING SPACE AVAILABLE REQUIRES COORDINATION WITH OTHER TRADES. THE CONTRACTORS SHALL PROVIDE ALL OFFSETS AND RELOCATE AS REQUIRED TO COORDINATE THE INSTALLATION OF ALL MATERIALS AND EQUIPMENT WITH OTHER TRADES.
- B. ON DEMO DRAWINGS, ITEMS SHOWN LIGHT ARE EXISTING TO REMAIN, ITEMS SHOWN BOLD ARE EXISTING TO BE REMOVED.
- C. ON NEW CONSTRUCTION DRAWINGS, ITEMS SHOWN LIGHT ARE EXISTING TO REMAIN, ITEMS SHOWN BOLD ARE NEW WORK.

VENTILATION NOTES

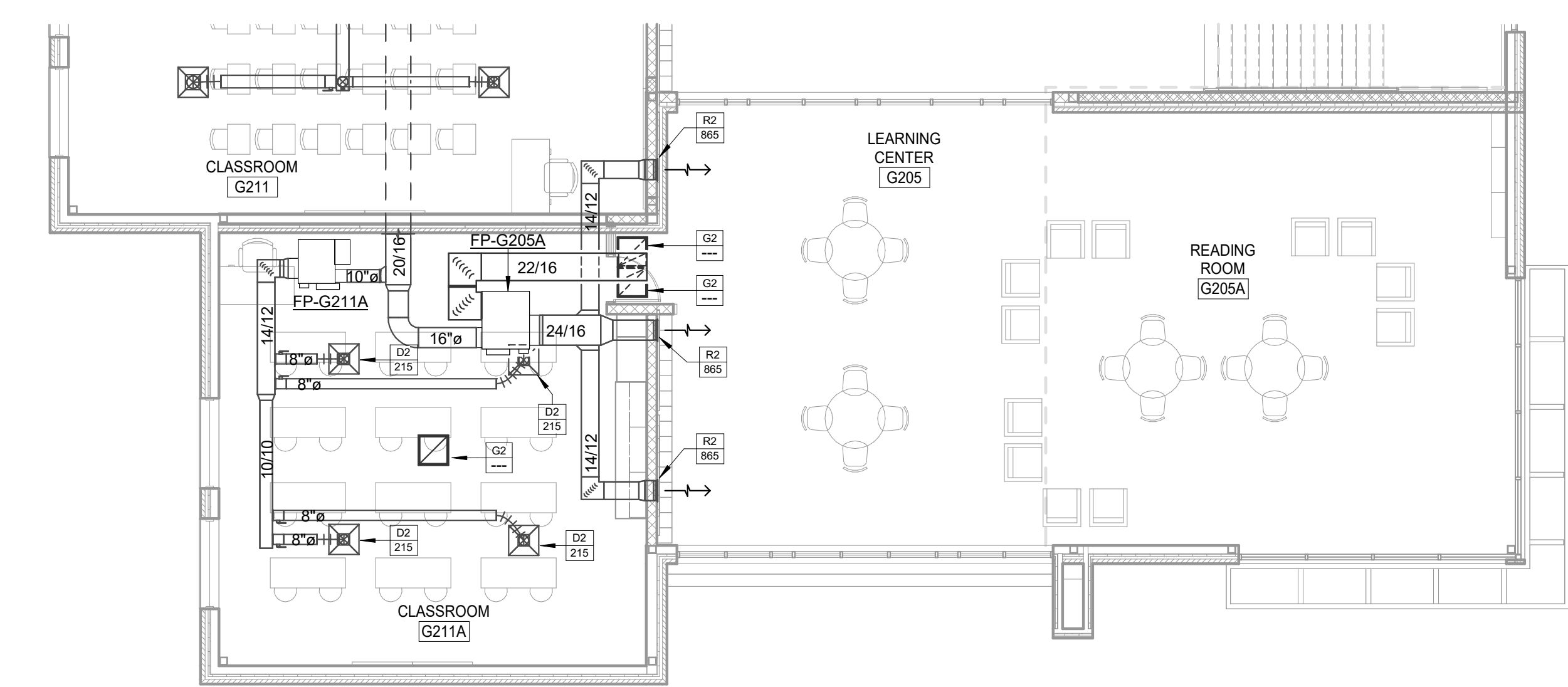
- 1. SPIRAL SIA DUCT WITH REGISTERS MOUNTED AT A 35° DOWN ANGLE. SPIRAL DUCT SHALL BE ROUTED THRU ROOF JOISTS. PROVIDE WITH PAINT GRIP COATING.
- 2. SUPPLY AIR DUCT THRU RATED PRECAST WALL INTO PENTHOUSE. PROVIDE FIRE DAMPER. SEE PENTHOUSE PLAN FOR CONTINUATION.
- 3. SIDEWALL RETURN GRILLE.
- 4. PROVIDE OPENING IN TOP OF DUCT.
- 5. 8"Ø 316 S.S. E/A UP/DN IN CHASE. COORD. ROUTING WITH DOWNSPOUT PIPING. SEAL JOINTS AIR TIGHT.
- 6. 8"Ø 316 S.S. FUME HOOD E/A UP THRU ROOF TO EF-G112A. SEAL JOINTS AIR TIGHT.
- 7. AIR HANDLING UNIT WITH 6" BASERAIL. INSTALLED ON 4" EQUIPMENT PAD BY THE GENERAL CONTRACTOR. PROVIDE WITH FLEXIBLE DUCT CONNECTIONS.
- 8. FIRE DAMPER. INSTALL PER MANUFACTURERS INSTALLATION INSTRUCTIONS.
- 9. LOUVER WITH EXTENDED SILL WITH END DAMS. SEE DETAIL.
- 10. VFD. COORDINATE EXACT LOCATIONS.
- 11. RETURN DUCT DOWN THRU FLOOR TO CEILING SPACE BELOW.
- 12. SUPPLY DUCT DOWN THRU FLOOR TO CEILING SPACE BELOW.
- 13. OUTSIDE AIR DUCT MOUNTED ABOVE AHU. INSULATE PER SPECS.
- 14. FILTER/MIXING BOX W/ACCESS DOOR.
- 15. AIR BLENDER W/ACCESS DOOR.
- 16. HOT WATER HEATING COIL SECTION W/ACCESS DOOR.
- 17. CHILLED WATER COOLING COIL SECTION W/ACCESS DOOR.
- 18. SUPPLY FAN SECTION W/ACCESS DOOR.
- 19. RETURN DUCT UP THRU FLOOR TO AIR HANDLING UNIT.
- 20. SUPPLY DUCT UP THRU FLOOR TO AIR HANDLING UNIT.
- 21. RELIEF HOOD INSTALLED ON ROOF WITH FULLY INSULATED ROOF CURB. SEE DETAIL. PROVIDE INSULATED DROOP AND DRIP PAN PER SPEC.
- 22. PRV INSTALLED ON ROOF WITH FULLY INSULATED ROOF CURB.
- 23. FAN POWERED VAV TERMINAL UNIT WITH RE-HEAT COIL INSTALLED ABOVE CEILING. PROVIDE SOUND ATTENUATION BOOT. (TYP)
- 24. SHUT OFF TYPE VAV TERMINAL WITH RE-HEAT COIL INSTALLED ABOVE CEILING. (TYP)
- 25. BALANCE DAMPER. (TYP)
- 26. AIR TRANSFER DUCT WITH OPENINGS ON BOTH SIDES OF WALL. BOTH OPENINGS SHALL BE IN THE TOP OR ON THE SAME SIDE - NO TURN VANES - SIZE AS SHOWN OR AT 500 FPM. (TYP)
- 27. SUPPLY AIR DUCT THRU RATED PRECAST WALL INTO GYMNASIUM. PROVIDE FIRE DAMPER. SEE SECOND FLOOR PLAN AREA F FOR CONTINUATION.
- 28. SEE FIRST FLOOR PLAN FOR CONTINUATION.



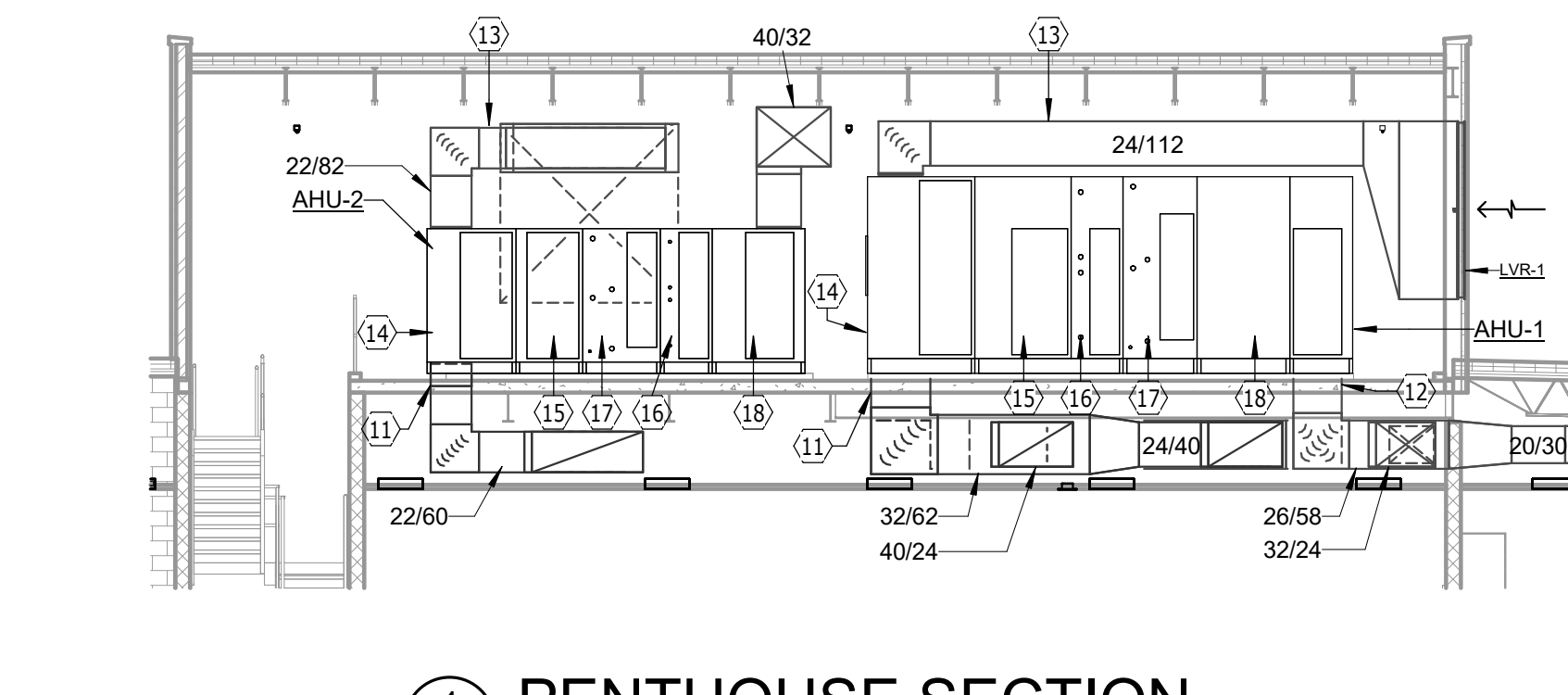
SECOND FLOOR PLAN - AREA G - VENTILATION & A/C
SCALE 0 4 8 12 16



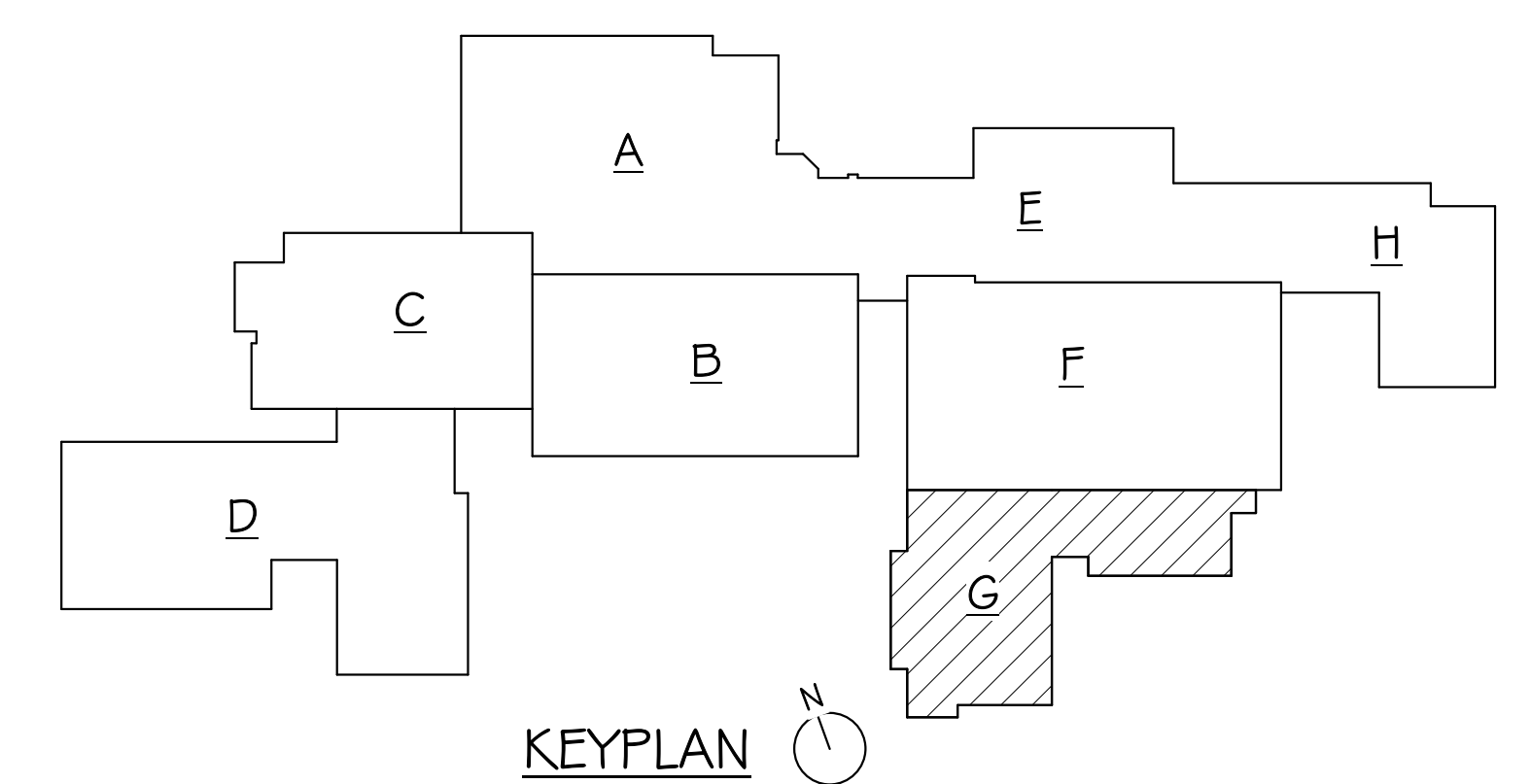
PENTHOUSE - AREA G - VENTILATION & A/C
SCALE 0 4 8 12 16



SECOND FLOOR PLAN - AREA G - ADD ALT. - VENTILATION & A/C
SCALE 0 4 8 12 16

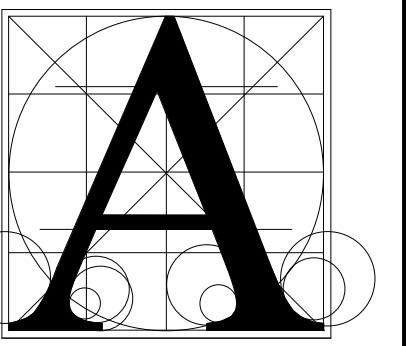


PENTHOUSE SECTION
1/8" = 1'-0"



KEYPLAN

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PLUMBING FIXTURE SCHEDULE							
FIXTURE SYMBOL	TYPE	MANUF	MODEL NO.	TRIM	SUPPLIES	WASTE	REMARKS
WC-1	WATER CLOSET FLUSH VALVE FLOOR MOUNTED ELONG	AMERICAN STANDARD	2234.001	SLOAN 8111 BATTERY OPERATOR	---	---	CHURCH 9500SSCT SEAT
WC-2	WATER CLOSET FLUSH VALVE FLOOR MOUNTED ELONG-HANDI	AMERICAN STANDARD	3043.001	SLOAN 8111 BATTERY OPERATOR	---	---	CHURCH 9500SSCT SEAT TRIP LEVER TO WIDE SIDE OF STALL
WC-3	WATER CLOSET FLUSH VALVE WALL HUNG ELONG	AMERICAN STANDARD	2634.101	SLOAN 152-1.6 ES-S SOLENOID OPERATOR	---	---	CHURCH 9500SSCT SEAT JOSAM SERIES 12000 CARRIER BACK SPUD
UR-1	URINAL WASHOUT WALL HUNG	AMERICAN STANDARD	6590.001	SLOAN 8180 BATTERY OPERATOR	---	---	JOSAM SERIES 17000 CARRIER
UR-2	URINAL WASHOUT WALL HUNG	AMERICAN STANDARD	6515.001	SLOAN 195-1-ES-S SOLENOID OPERATOR	---	---	JOSAM SERIES 17000 CARRIER BACK SPUD
L-1	LAVATORY WALL HUNG	AMERICAN STANDARD	0355.012	JURN 286100-XL-10M SINGLE HOLE LAWLER TMM-1070	BRASSCRAFT OCR192	GRID DRAIN	17 GA. C.P. P-TRAP JOSAM SERIES 17000 CARRIER
L-2	LAVATORY WALL HUNG HANDI	AMERICAN STANDARD	0355.012	6114.111.002 W/1.5 GPM FLOW RESTRICTOR	BRASSCRAFT OCR192	GRID DRAIN	17 GA. C.P. P-TRAP JOSAM SERIES 17000 CARRIER W/TRUBRO WASTE & WATER PIPE PROTECTOR, OFFSET WASTE ARM
MSK	MOP SINK FLOOR MOUNTED	FIAT	TSBC1610-832AA-889CC	Z843M1-RC-CS W/VACUUM BREAKER	---	---	CW HB MTD 5'-0" AFF
SK-1	SINK-STAINLESS STEEL, SINGLE COMPARTMENT	ELKAY	PSR-1919	CHICAGO 2302	BRASSCRAFT OCR192	LK-35 STRAINER	17 GA. C.P. P-TRAP
SK-2	SINK-STAINLESS STEEL DOUBLE COMPARTMENT HANDI LIFE SKILLS	ELKAY	LRAD-3319-0CD	CHICAGO 2302 GNBAJKBCP SPOUT	BRASSCRAFT OCR192	LK-35 STRAINER	17 GA. C.P. P-TRAP W/TRUBRO WASTE & WATER PIPE PROTECTOR, OFFSET WASTE ARM PROVIDE & INSTALL WASTE & WATER CONNECTIONS TO DISHWASHER
SK-3	SINK-INTEGRAL BOWL SCIENCE SINK	BY OTHERS	---	CHICAGO 930-369	BRASSCRAFT OCR192	BASKET STRAINER	ACID RESISTANT P-TRAP
SK-4	SINK-INTEGRAL BOWL SCIENCE SINK W/DISHWASHER	BY OTHERS	---	CHICAGO 930-369	BRASSCRAFT OCR192	BASKET STRAINER	ACID RESISTANT P-TRAP PROVIDE & INSTALL WASTE & WATER CONNECTIONS TO DISHWASHER
SK-5	SINK-STAINLESS STEEL DOUBLE COMPARTMENT	ELKAY	PSR-3319	CHICAGO 2302 GNBAJKBCP SPOUT	BRASSCRAFT OCR192	LK-35 STRAINER	17 GA. C.P. P-TRAP
SK-6	SINK-STAINLESS STEEL DOUBLE COMP ADA	ELKAY	LRAD-3319-0CD	CHICAGO 2302 GNBAJKBCP SPOUT	BRASSCRAFT OCR192	LK-35 STRAINER	17 GA. C.P. P-TRAP W/TRUBRO WASTE & WATER PIPE PROTECTOR, OFFSET WASTE ARM
SK-7	UTILITY SINK WALL HUNG	MUSTEE	28CF	---	BRASSCRAFT OCR192	STRAINER	17 GA. C.P. P-TRAP
SK-8	SINK-STAINLESS STEEL, SINGLE COMP LARGE ADA	ELKAY	DLR312210-PD	CHICAGO 2302 GNBAJKBCP SPOUT	BRASSCRAFT OCR192	LK-35 STRAINER	17 GA. C.P. P-TRAP W/TRUBRO WASTE & WATER PIPE PROTECTOR, OFFSET WASTE ARM
SK-9	SINK-STAINLESS STEEL, SINGLE COMP ART ROOM	ELKAY	PSR-1919	CHICAGO 2302	BRASSCRAFT OCR192	LK-35 STRAINER	17 GA. C.P. P-TRAP STREAM SINKER SOLIDS INTERCEPTOR
SK-10	SINK-STAINLESS STEEL, SINGLE COMP ART ROOM ADA	ELKAY	LRAD-1919-0CD	CHICAGO 2302	BRASSCRAFT OCR192	LK-35 STRAINER	17 GA. C.P. P-TRAP STREAM SINKER SOLIDS INTERCEPTOR MAX AFF IN REAR OF CASEWORK, OFFSET WASTE, TRUBRO WASTE & WATER & INTERCEPTOR PROTECTOR
SH-1	SHOWER	TILE	---	BRADLEY WS-1F-6'-AST-3X15-ST-RSD-VS	---	---	2" FLOOR DRAIN ALL METAL TRIM, FIXED SHOWER HEAD, MIXING VALVE
SH-2	SHOWER ADA	TILE	---	BRADLEY HN200-6'-AST-2X15-ST-RSD-VS	---	---	2" FLOOR DRAIN ALL METAL TRIM, 2 FIXED SHOWER HEADS, MIXING VALVE
EW-1	ELECTRIC WATER COOLER WALL MTD DUAL HEIGHT W/BOTTLE FILL	ELKAY	LZSTL8-WSSP	---	BRASSCRAFT OCR192	---	17 GA. C.P. P-TRAP LKAPREZL APRON
EEW-1	EMERGENCY EYE WASH	BRADLEY	S1944011-ABC	---	---	---	MIXING VALVE LAWLER MODEL NO. 911 E/F INLET CHECK VALVES
ESH-1	COMBINATION EYEWASH & SHOWER	BRADLEY	S19-120SS S19-220SC	---	---	---	MIXING VALVE LAWLER MODEL NO. 911E INLET CHECK VALVES
GT-1	GAS TURRET, DOUBLE	CHICAGO	982-909-957-3KAGV	---	---	---	GAS SERVICE
UB-1	ICE MACHINE UTILITY BOX	SIoux CHIEF	696-G1010MF	---	---	---	MOUNT AT 36" AFF SHOCK ABSORBERS
UB-2	WASHING MACHINE UTILITY BOX	SIoux CHIEF	696-G2313MF	---	---	---	P-TRAP, SHOCK ABSORBERS

REMARKS:
1. HANDICAPPED FLUSH VALVES SHALL BE ADA COMPLIANT.
2. FLUSH VALVES SHALL HAVE A VANDAL RESISTANT STOP CAP.
3. FLUSH VALVE ESCUTCHEONS SHALL BE CHROME PLATED WITH HEAVY WALL THICKNESS AND SET SCREW.
4. PROVIDE & INSTALL (1) SLOAN TRANSFORMER MODEL EL-154 PER 8 FIXTURES IN PLUMBING CHASE.
PROVIDE & INSTALL INTERCONNECTING LOW VOLTAGE WIRING AND CONNECTIONS TO SENSORS.
5. SEE ARCHITECTURAL PLAN FOR FIXTURE MOUNTING HEIGHTS.
6. COORDINATE FAUCET/ANTI ROTATE REQUIREMENTS WITH COUNTERTOP MFG/GENERAL CONTRACTOR.
7. PROVIDE (1) BRADLEY EMERGENCY SHOWER TEST CONE MODEL S190330ST OR EQUAL.

CABINET UNIT HEATER SCHEDULE															
UNIT NO.	MANUFACTURER	UNIT SIZE	TYPE	INTAKE LOCATION	DISCHARGE LOCATION	CFM	FAN MOTOR(S) RPM	FAN HP-1	FAN HP-2	V/FM	HEATING CAPACITY MBH	EQT. WT. LBS	EQT. GPM	REMARKS	
CUH-G100	BEACON/MORRIS	76	SRW1	FT	FR	430	1050	1/10	---	115V1	52	180	150	4.1	1, 2
CUH-H100	BEACON/MORRIS	76	F	FR	FR	430	1050	1/10	---	115V1	52	180	150	4.1	1, 2
UH-F210	BEACON/MORRIS	H8-36	HP	R	F	550	1500	1/12	---	115V1	20	180	150	1.6	1, 3
UH-F211	BEACON/MORRIS	H8-84	HP	R	F	1400	1000	1/12	---	115V1	46	180	150	3.6	1, 3
UH-H101	BEACON/MORRIS	H8-36	HP	R	F	550	1500	1/12	---	115V1	20	180	150	1.6	1, 3
UH-PENT	BEACON/MORRIS	H8-84	HP	R	F	1400	1000	1/12	---	115V1	46	180	150	3.6	1, 3

MODEL TYPE: F - FLOOR; FI - FLOOR INVERTED FLDW; W - WALL; WI - WALL INVERTED FLDW; FRW - FULLY RECESSED WALL
FRW1 - FULLY RECESSED WALL INVERTED FLDW; SRW - SEMI RECESSED WALL; SRW1 - SEMI RECESSED WALL INVERTED FLDW
C - CEILING; RC - RECESSED CEILING; HP - HORIZONTAL PROPELLER UNIT

LOCATIONS: F - FRONT; R - REAR; B - BOTTOM; T - TOP

REMARKS:
1. HEATING CAPACITY BASED ON 70% WATER/ 30% PROPYLENE GLYCOL.
2. PROVIDE TAMPER RESISTANT FASTENERS FOR ACCESS DOOR.
3. UNIT HEATER HUNG FROM STRUCTURE.

PUMP SCHEDULE														
PUMP NO.	MANUF.	MODEL NO.	DESCRIPTION	STYLE	SIZE	GPM	MOTOR HEAD (FT)	MHP	BHP	RPM	ELEC VOLT	SUCT. SIZE	DISCH. SIZE	REMARKS
P-1	BELL & GOSSETT	E-80	PRIMARY HEATING	INLINE	3X3X7C	185	25	2	1.6	1800	480	3	3	1, 2
P-2	BELL & GOSSETT	E-80	PRIMARY HEATING	INLINE	3X3X7C	185	25	2	1.6	1800	480	3	3	1, 2
P-3	BELL & GOSSETT	E-80	PRIMARY HEATING	INLINE	3X3X7C	185	25	2	1.6	1800	480	3	3	1, 2
P-4	BELL & GOSSETT	E-1510	SECONDARY HEATING	BASE	3EB	510	100	20	15.8	1800	480	3	4	1, 2
P-5	BELL & GOSSETT	E-1510	SECONDARY HEATING	BASE	3EB	510	100	20	15.8	1800	480	3	4	1, 2
P-6	BELL & GOSSETT	PL-55	110 HW RECIRC	INLINE	---	15	30	2/5	---	3250	115	1	1	3
P-7	BELL & GOSSETT	NRF-36	INFLOOR AREA E	INLINE	---	9.3	20	270W	---	3300	115	1	3/4	3/4
P-8	BELL & GOSSETT	NRF-36	INFLOOR AREA G	INLINE	---	1.1	20	270W	---	3300	115	1	3/4	3/4
P-9	BELL & GOSSETT	NRF-36	INFLOOR AREA G (ALT)	INLINE	---	7.7	20	270W	---	3300	115	1	3/4	3/4
P-10	BELL & GOSSETT	E-1510	PRIMARY CHILLED	BASE	3EB	440	100	20	15.5	1800	480	3	4	1, 2
P-11	BELL & GOSSETT	E-1510	SECONDARY CHILLED	BASE	3GB	440	90	20	15.3	1800	480	3	4	1, 2
P-12	STANCOR	SE49-0M-ELV	ELEVATOR SUMP	SUBMERS	---	50	11	0.4	---	115	1	---	---	4
P-13	ZOELLER	152	DRAIN TILE SUMP	SUBMERS	---	25	25	0.4	---	115	1	---	---	---

REMARKS:
1. PUMPS SHALL BE NON-OVERLOADING.
2. PROVIDE VFD.
3. BRONZE BODY.
4. OIL MINDER PUMP WITH CONTROL PANEL.

BOILER SCHEDULE													
BOILER NO.	MANUF.	MODEL NO.	AGA INPUT (MBH)	AGA OUTPUT (MBH)	OPERATING EFFICIENCY (%)	ELECTRICAL VOLT	PH	FLA	MCA	MOCP	OPERATING WEIGHT (LBS)	REMARKS	
B-1	EXISTING	---	---	---	---	---	---	---	---	---	---	---	
B-2	THERMAL SOLUTIONS	EVS-3000	3000	2610	87	460	3	3.7	---	---	2562	1, 2, 3	
B-3	THERMAL SOLUTIONS	EVS-3000	3000	2610	87	460	3	3.7	---	---	2562	1, 2, 3	

REMARKS:
1. PROVIDE EMERGENCY SHUT-OFF MUSHROOM SWITCH.
2. PROVIDE CONDENSATE NEUTRALIZATION KIT.
3. VENT PER MANUFACTURERS RECOMMENDATIONS.

Project: **BALTIC HIGH SCHOOL ADDITION**
 Sheet contents: **SCHEDULES**

number	0727.2957.z1
date	12-22-2022
revision	
drawn	DWM
checked	Dd

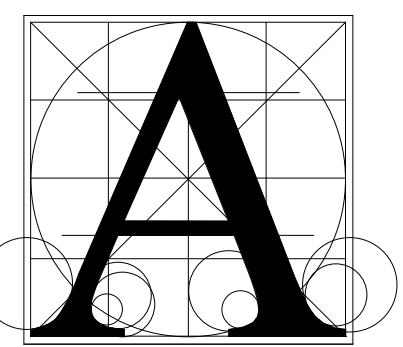
NO.	DATE	DESCRIPTION
1	1-20-23	ADDENDUM 2

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ELECTRICAL NOTES

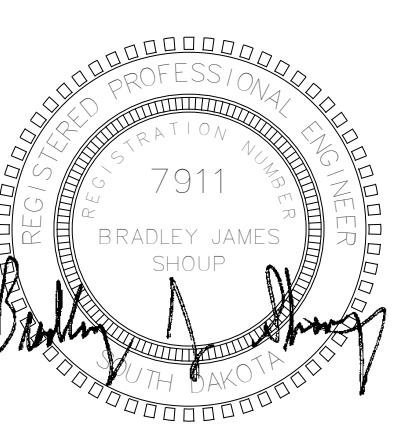
1. PROVIDE SHORT POLE BASE.
2. USE EFC #10 AWG.
3. MONITOR POST INDICATOR VALVE WITH FIRE ALARM SYSTEM.
4. 7/8" CONDUIT TO TYPE 'YS' LUMINAIRE AT NEW NORTH ENTRY TO ADDITION.



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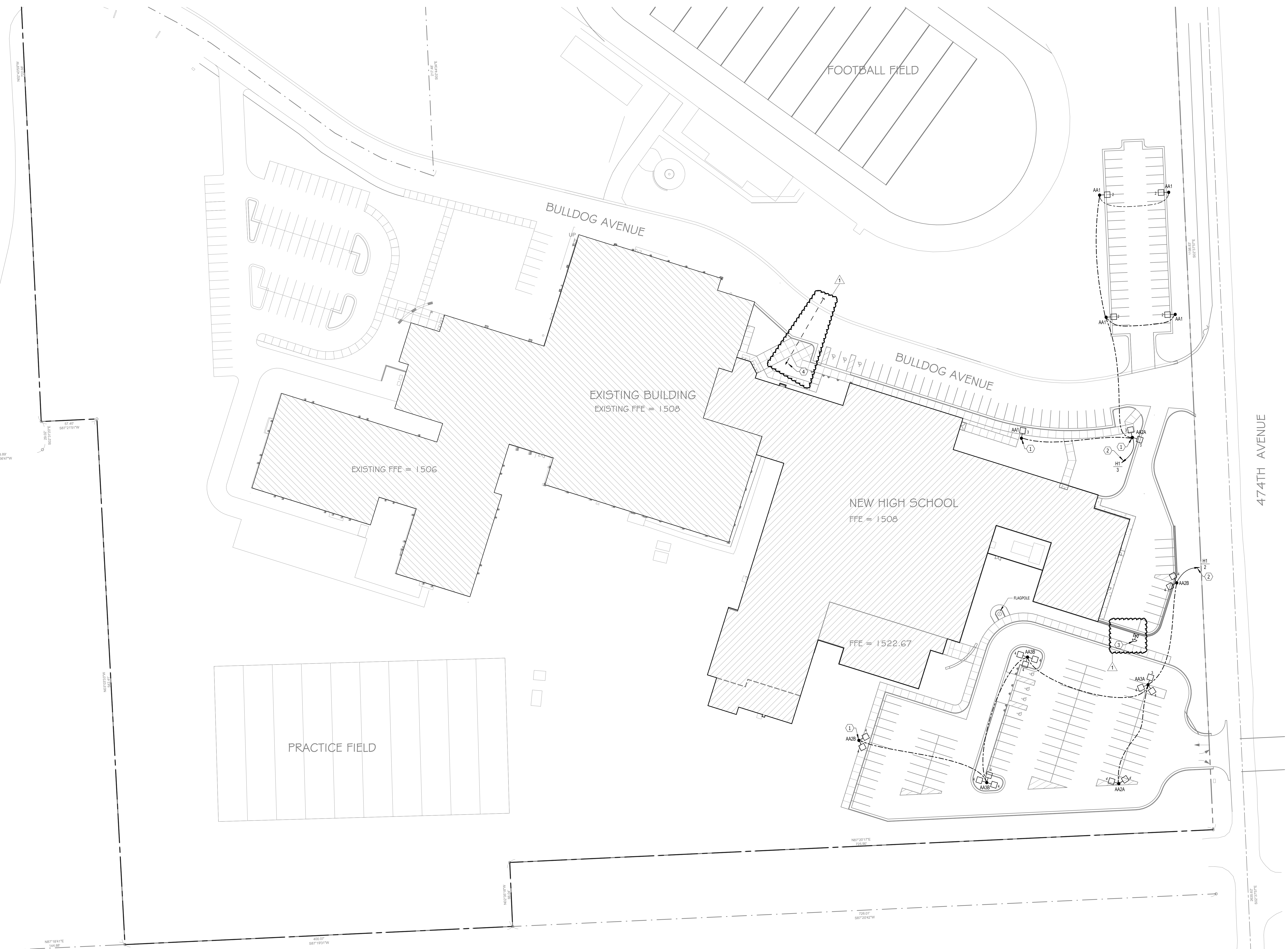
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ACEI PROJ. #122033



SITE PLAN - ELECTRICAL
SCALE 0 20 40 60 80

BALTIC HIGH SCHOOL ADDITION

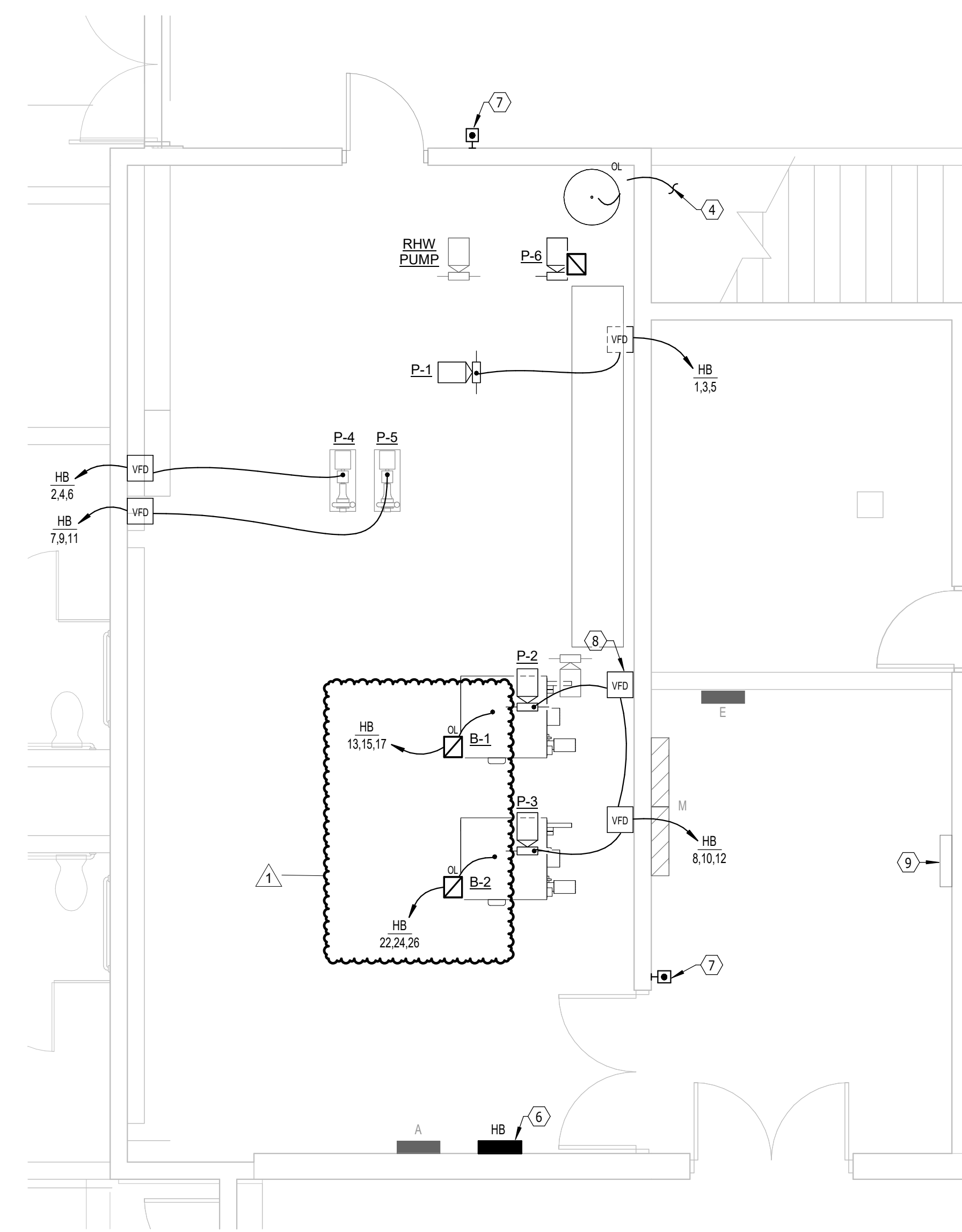
SITE PLAN - ELECTRICAL

Project	number	0727.2957.21
	date	12-22-2022
	revision	
	drawn	KMT checked BJS
	NO.	DATE DESCRIPTION
	1	1-20-23 ADDENDUM 2

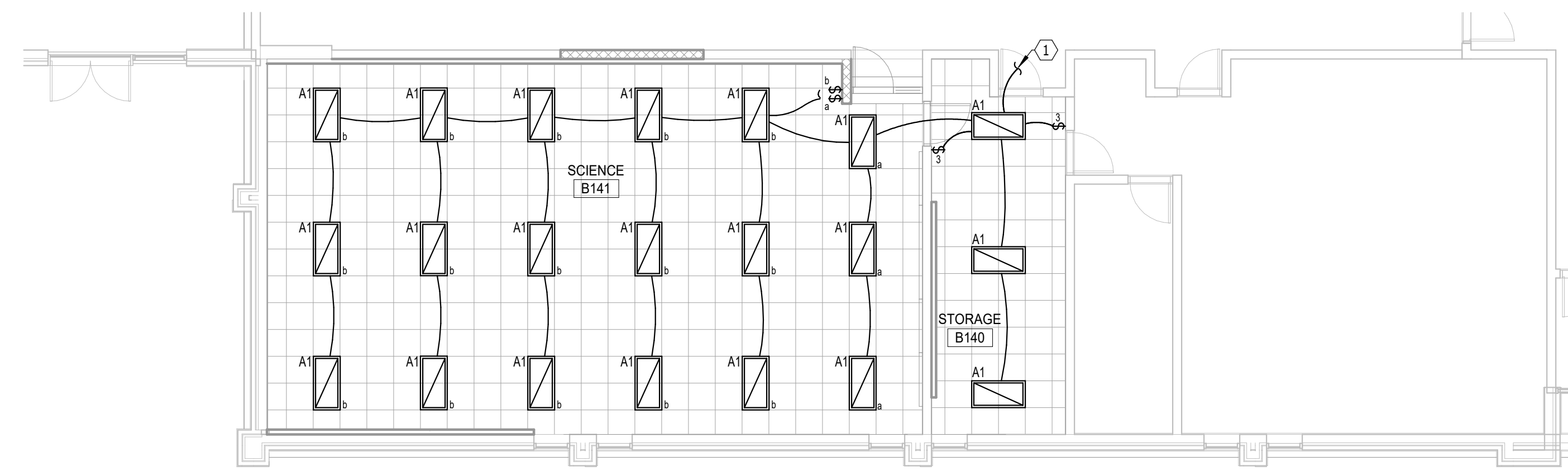
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ELECTRICAL NOTES

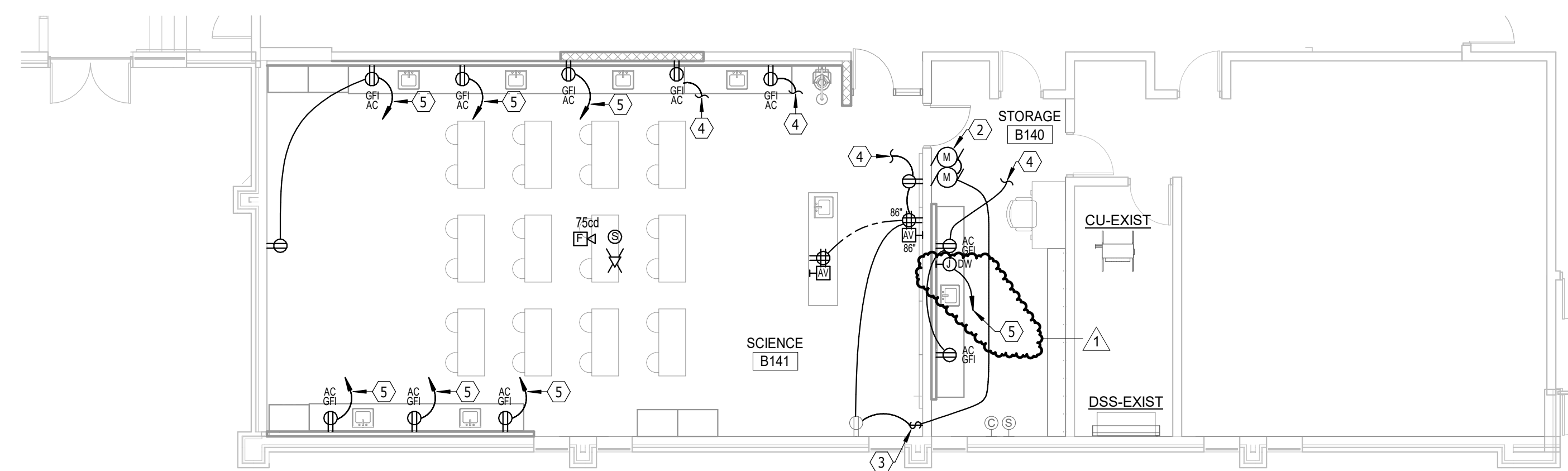
1. CONNECT TO EXISTING 120V LIGHTING BRANCH CIRCUIT SERVING THIS ROOM.
2. GAS SHUTOFF VALVES BY MC. COORDINATE CONNECTION REQUIREMENTS.
3. MUSHROOM HEAD "GAS EMERGENCY OFF" PUSHBUTTON SWITCH. PROVIDE PROTECTIVE COVER SIMILAR TO ST113020CR.
4. CONNECT TO AN EXISTING 120V RECEPTACLE BRANCH CIRCUIT SERVING THIS ROOM.
5. ~~INSTALL NEW 20A/1P CIRCUIT BREAKER (JOKA/CUN PANEL "C").~~
6. ~~NEW PANEL "HB", FIELD VERIFY LOCATION. PROVIDE UNISTRUT/BACKBOARD ASSEMBLY AS REQUIRED FOR INSTALLATION.~~
7. ~~MUSHROOM HEAD "BOILER EMERGENCY OFF" PUSHBUTTON SWITCH. PROVIDE PROTECTIVE COVER SIMILAR TO ST113020CR.~~
8. ~~FIELD VERIFY LOCATION OF VFD. TYPICAL. PROVIDE UNISTRUT/BACKBOARD ASSEMBLY AS REQUIRED FOR INSTALLATION.~~
9. EXISTING FIRE ALARM CONTROL PANEL (CERBERUS).



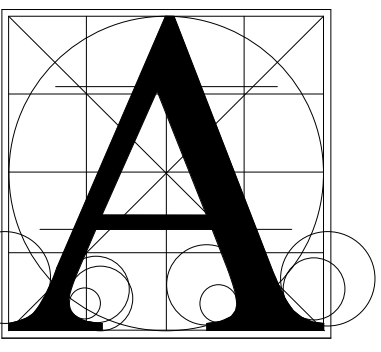
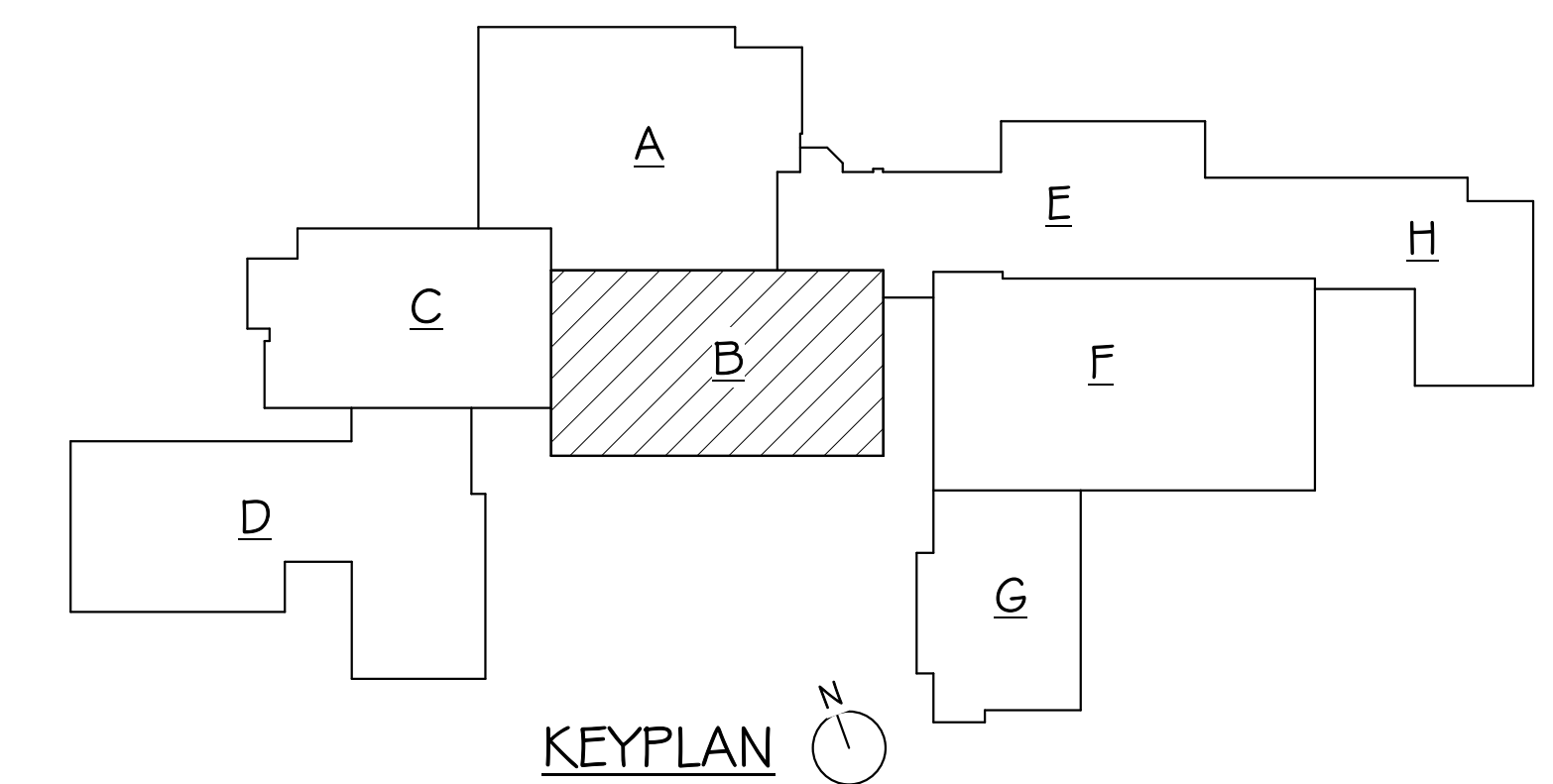
MECHANICAL ROOM - ELECTRICAL
SCALE 0 2 4 6 8



FIRST FLOOR PLAN - ADD. ALT #4 - LIGHTING
SCALE 0 2 4 6 8



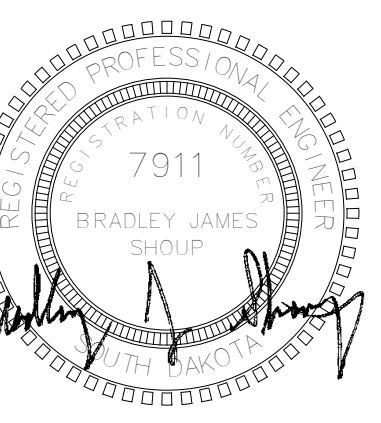
FIRST FLOOR PLAN - ADD. ALT. #4 - POWER & SIGNAL
SCALE 0 2 4 6 8



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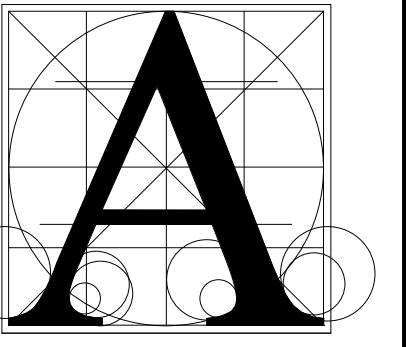
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BALTIC HIGH SCHOOL ADDITION

FIRST FLOOR PLAN - AREA B - ELECTRICAL

Project	number	0727.2957.21
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revision	drawn	KMT
	checked	BJS
NO.	DATE	DESCRIPTION
1	1-20-23	ADDENDUM 2

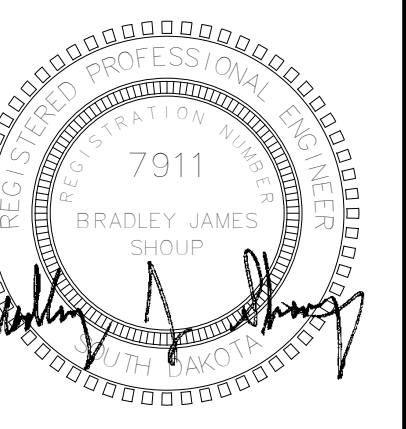
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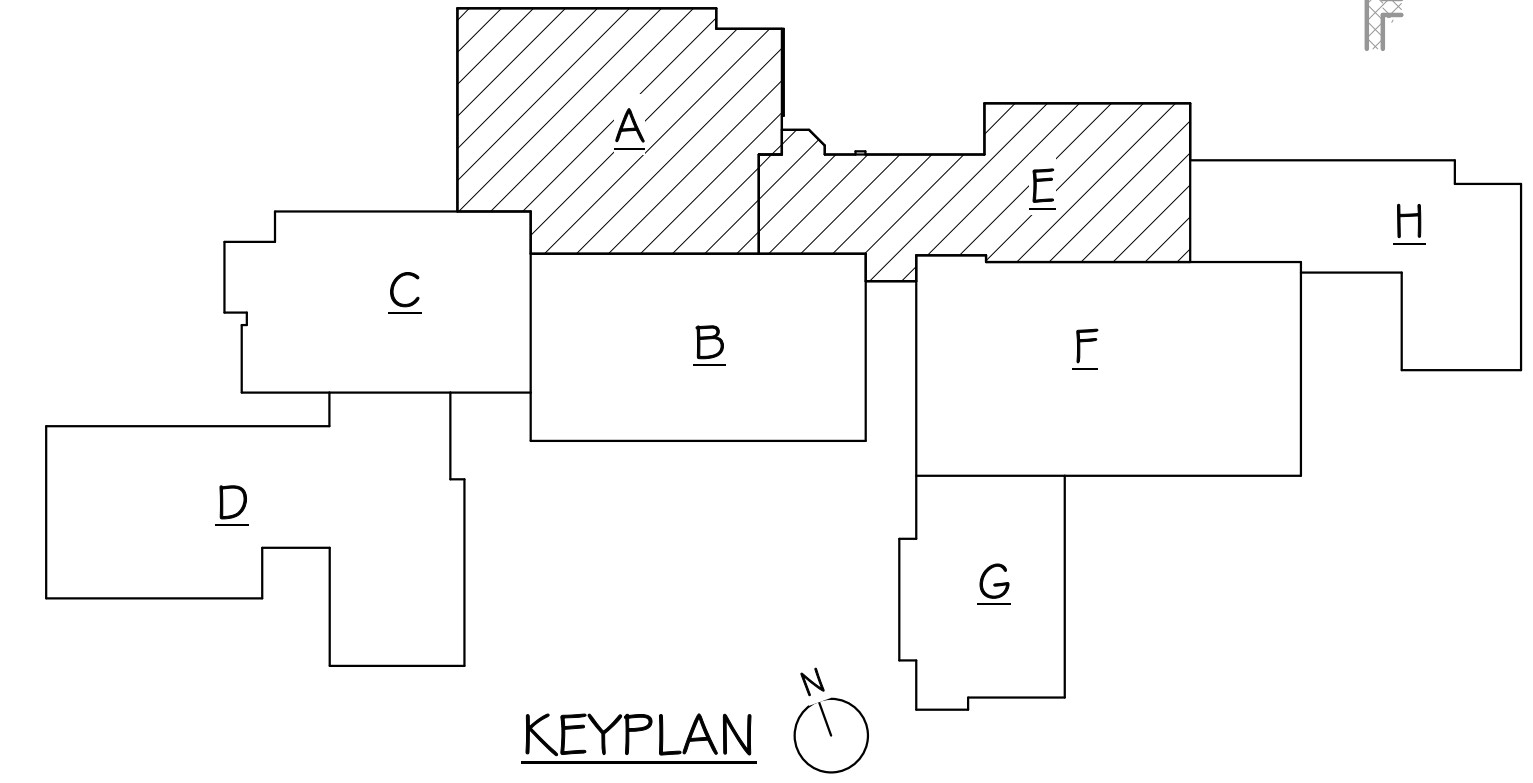
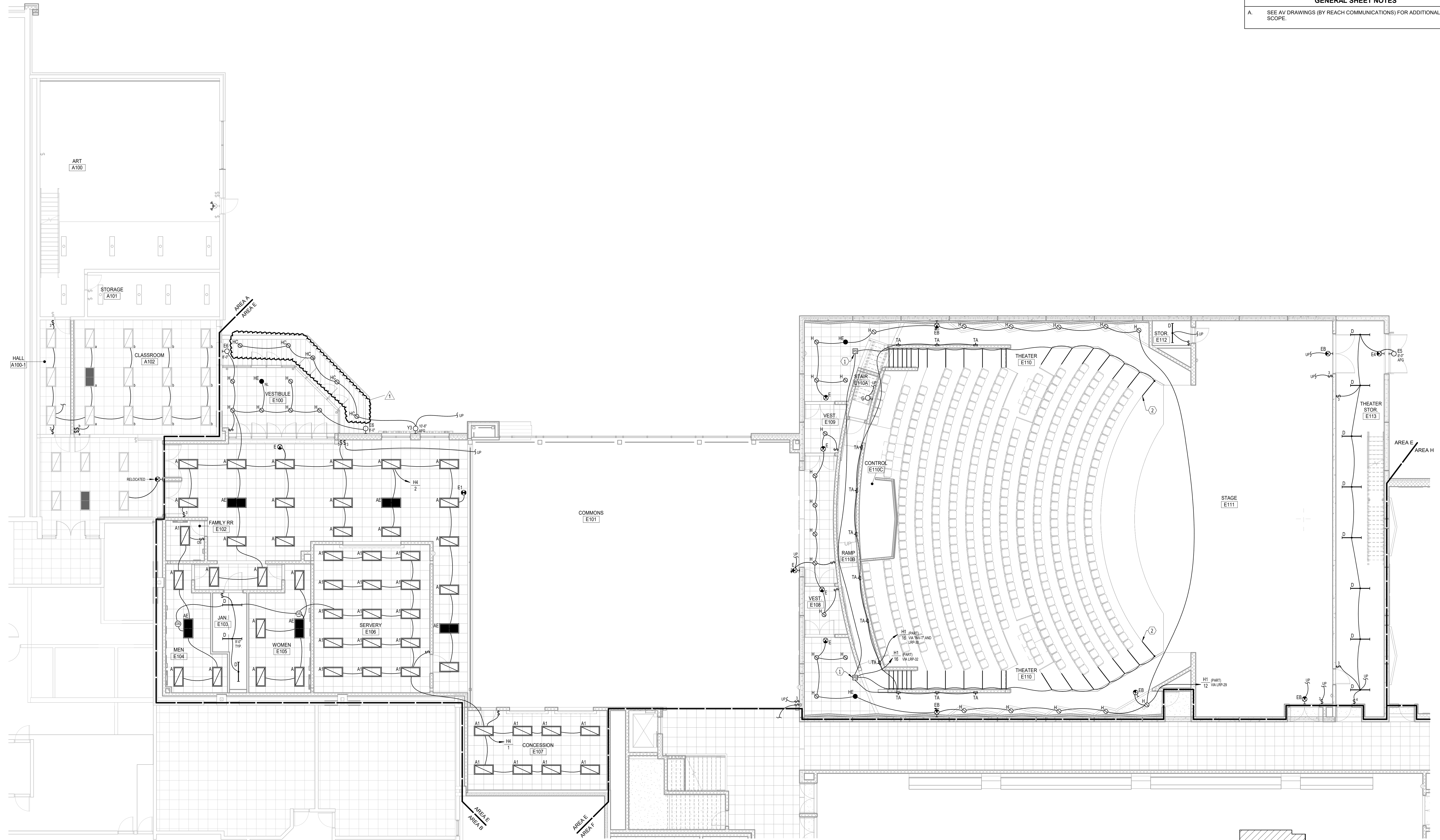
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ELECTRICAL NOTES
1 LOCATE POWER SUPPLY ABOVE CEILING.
2 TYPE 'TS' STEP LIGHT, TYPICAL.

GENERAL SHEET NOTES
A. SEE AV DRAWINGS (BY REACH COMMUNICATIONS) FOR ADDITIONAL WORK SCOPE.

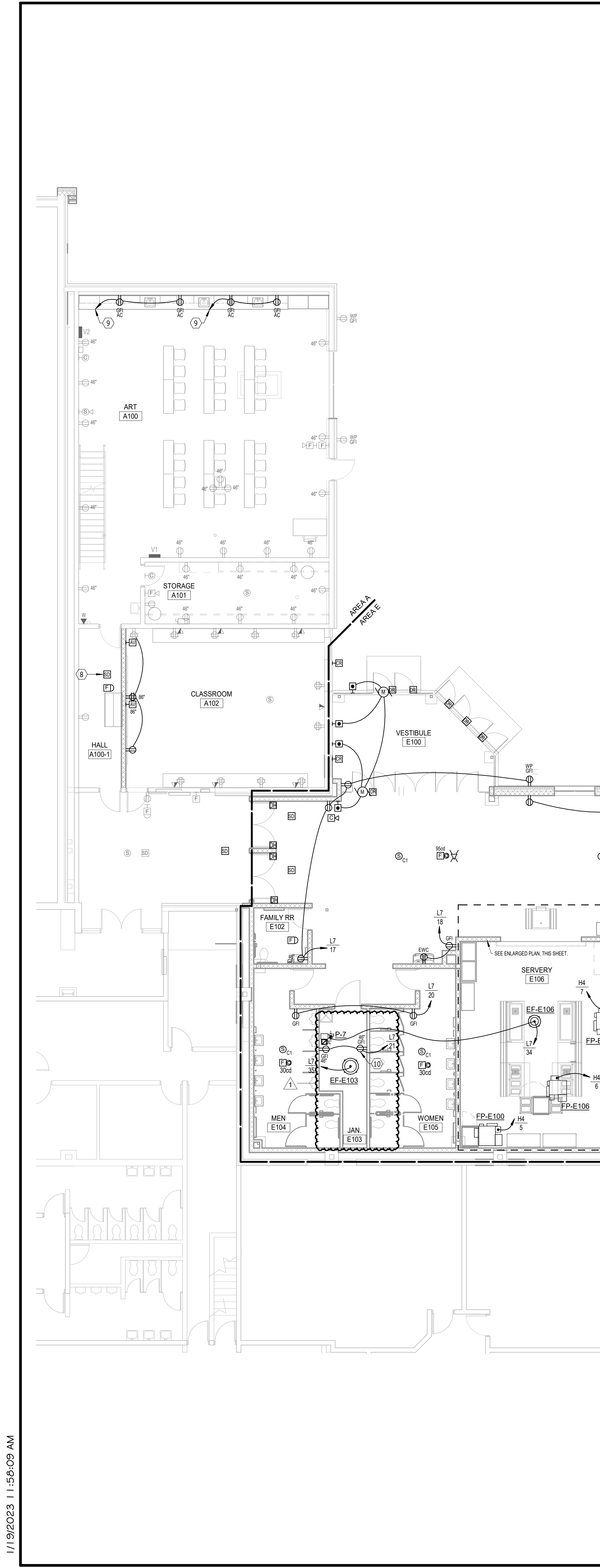


FIRST FLOOR PLAN - AREA A AND E - LIGHTING
SCALE 0 4 8 12 16

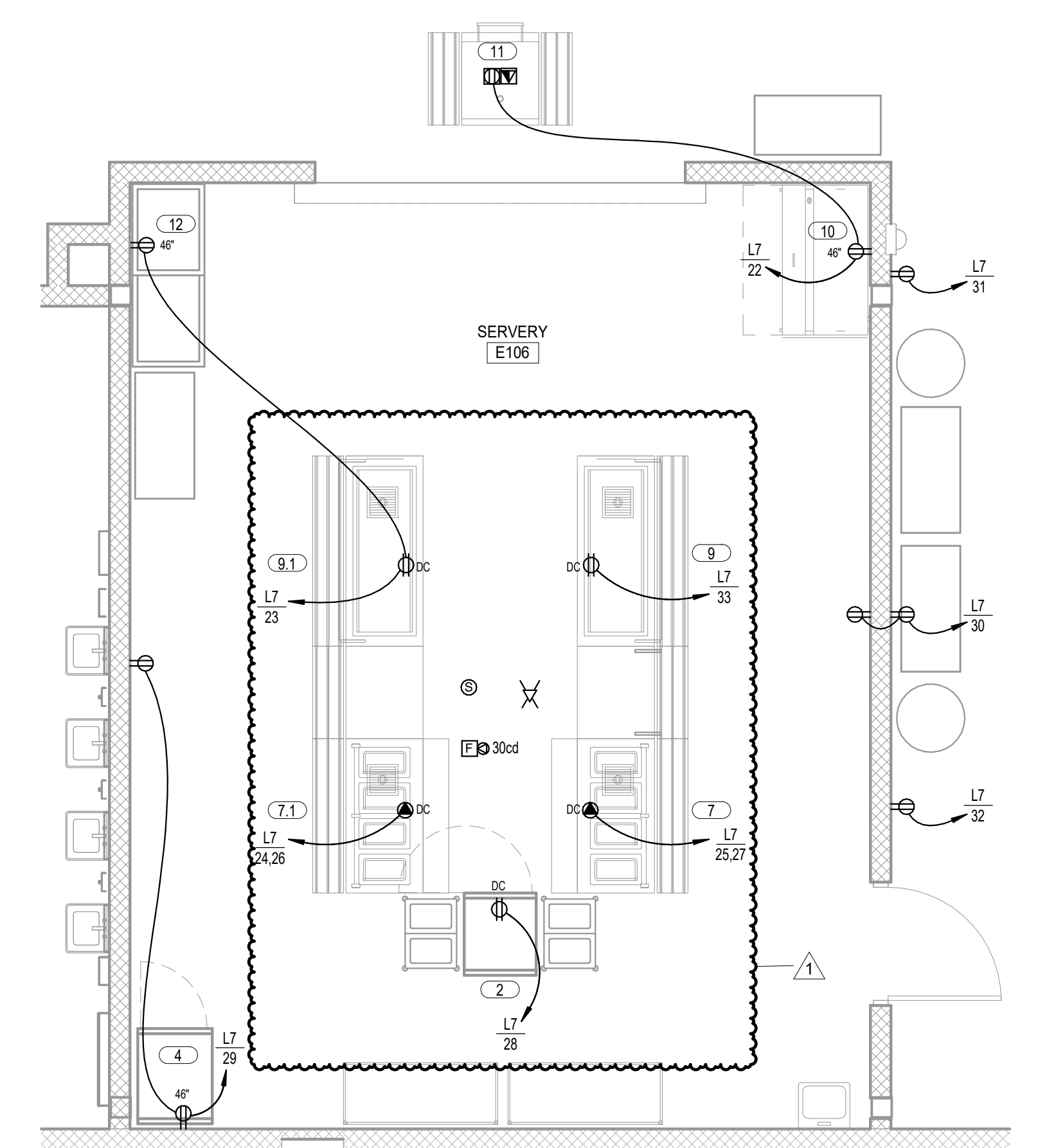
BALTIC HIGH SCHOOL ADDITION
FIRST FLOOR PLAN - AREA A AND E - LIGHTING

Project
number 0727.2957.21
date 12-22-2022
revision
drawn KMT checked BUS
NO. DATE DESCRIPTION
1 1-13-23 ADDENDUM 1

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ITEM	QTY	DESCRIPTION	VOLTS	PHASE	AMPS	WIRE SIZE	CONDUIT SIZE	ELECT. RATING	EQUIPMENT REMARKS
1	2	TRASH CAN							BY OWNER
2	1	MOBILE WAREHOUSE CABINET	120	1	5.0P	3/4"	1/2"	30P	30P
3	4	BURNING UTILITY TRANSPORT CART							DROP DOWN CONDUIT
4	1	RECYCLING REFRIGERATOR	120	1	4.2	3/4"	1/2"	30P	
5	2	PLASTIC SHELVING UNIT							
6	2	TRAY STACK							
7	1	HOT FOOD SERVING COUNTER/TABLE	120/208	1	22	1 1/2"	1 1/2"	14.3P	DROP DOWN CONDUIT
7.1	1	FUTURE HOT FOOD SERVING COUNTER/TABLE	120/208	1	22	1 1/2"	1 1/2"	14.3P	DROP DOWN CONDUIT
8	1	SERVING COUNTER UTILITY							DROP DOWN CONDUIT
8.1	1	FUTURE SERVING COUNTER UTILITY							DROP DOWN CONDUIT
9	1	SERVING COUNTER COLD (SALAD BAR)	115	1	7	5/8"	5/8"	5.1P	DROP DOWN CONDUIT
9.1	1	FUTURE SERVING COUNTER COLD (SALAD BAR)	115	1	7	5/8"	5/8"	5.1P	DROP DOWN CONDUIT
10	1	MILK COOLER	115	1	7.6	5/8"	5/8"	5.1P	
11	1	CASH REGISTER STAND	115	1	4.1	3/4"	3/4"	3.5P	
12	1	ICE CREAM REFRIGERATOR	115	1	4.1	3/4"	3/4"	3.5P	
13	1	HAND SINK							



ENLARGED SERVERY E106 - ELECTRICAL
SCALE 0 2 4 6 8

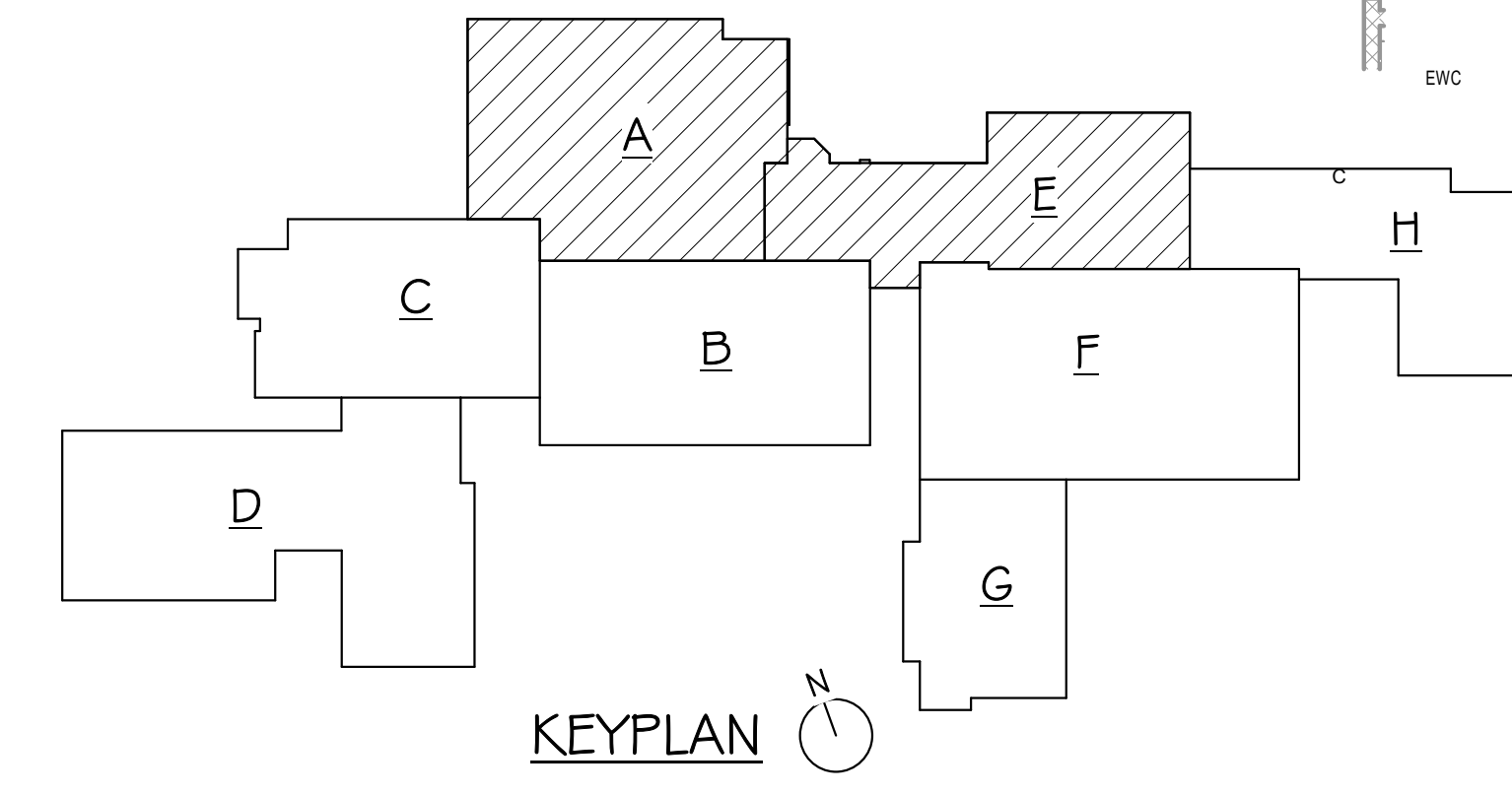
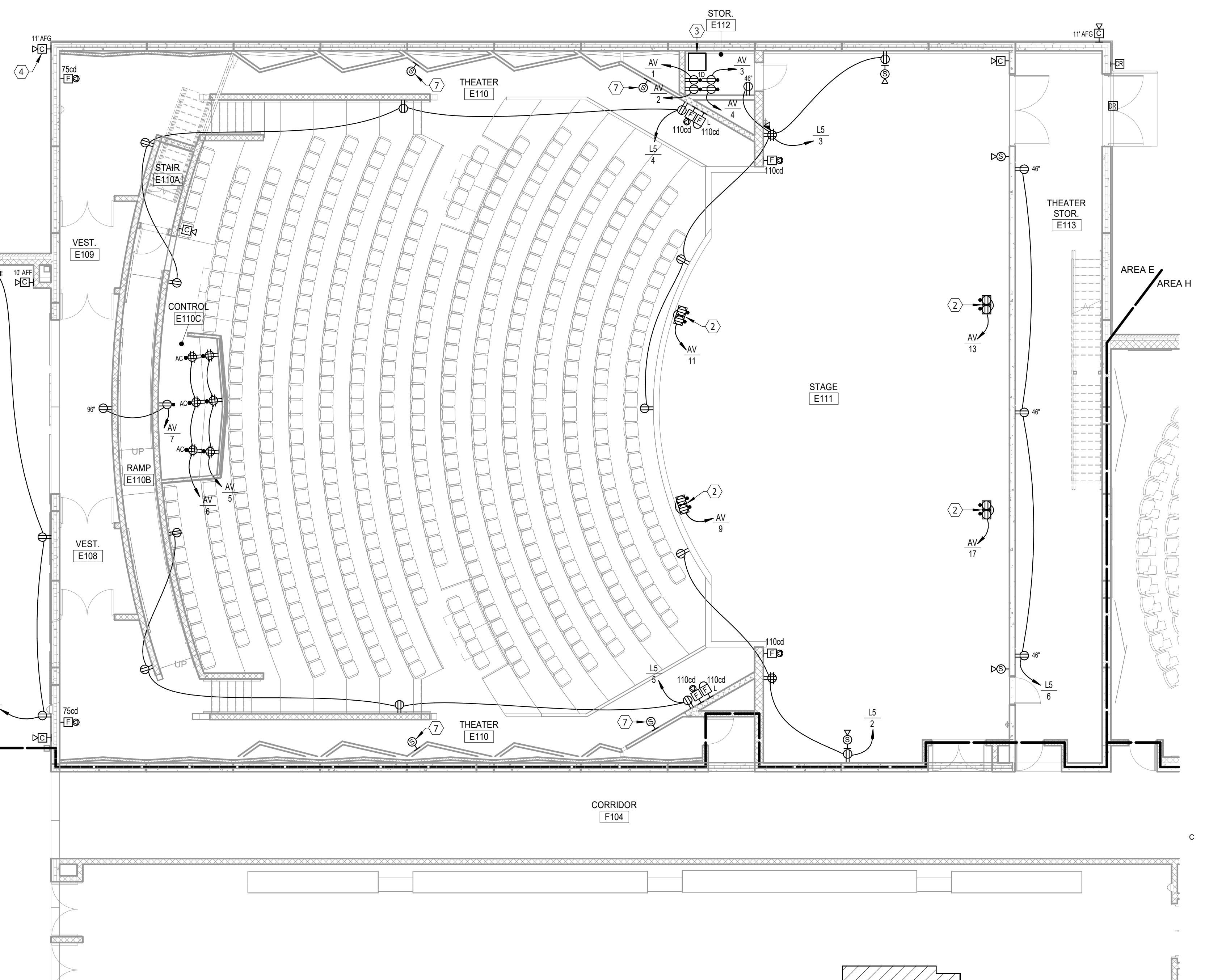
- ELECTRICAL NOTES**
- RECEPTACLES IN THIS ROOM SHALL BE GFI PROTECTED IN ACCORDANCE WITH THE NEC AND LOCAL CODE REQUIREMENTS. PROVIDE GFI RECEPTACLES OR GFI CIRCUIT BREAKERS FOR RECEPTACLES THAT ARE NOT READILY ACCESSIBLE OR AVAILABLE WITH GFI PROTECTION.
 - DEVICES ARE LOCATED IN AV FLOOR BOX FURNISHED BY AV CONTRACTOR. ISOLATED GROUND.
 - AUDITORIUM SOUND SYSTEM EQUIPMENT RACK, PROVIDE EQUIPMENT GROUNDING CONDUCTOR.
 - COORDINATE MOUNTING HEIGHT OF CAMERA WITH THE OWNER, TYPICAL.
 - COMMONS SOUND SYSTEM REMOTE CONTROL.
 - COMMONS SOUND SYSTEM MIC/AUX INPUT, TYPICAL.
 - RECESS MOUNT PAGING SPEAKER IN WALL AT 13' AFF.
 - EXISTING RELOCATED DEVICE.
 - TO SUPPORT 200 AMP CIRCUIT BREAKER IN PANEL 211.
 - COORDINATE LOCATIONS WITH THE OWNER AND PLUMBING CONTRACTOR.
 - TERMINATE DATA CABLES AT THE DATA/ELECTRONICS EQUIPMENT RACK.
- GENERAL SHEET NOTES**
- SEE AV DRAWINGS (BY REACH COMMUNICATIONS) FOR ADDITIONAL WORK SCOPE.

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7911
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FIRST FLOOR PLAN - AREA A AND E - POWER & SIGNAL
SCALE 0 4 8 12 16

BALTIC HIGH SCHOOL ADDITION
FIRST FLOOR PLAN - AREA A AND E - POWER & SIGNAL

Project: _____
Sheet contents: _____

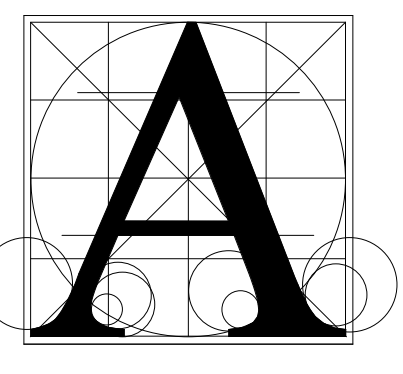
number	0727.2957.21	
date	12-22-2022	
revision		
drawn	KMT checked BUS	
NO.	DATE	DESCRIPTION
1	1-13-23	ADDENDUM 1
2	1-20-23	ADDENDUM 2

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ELECTRICAL NOTES

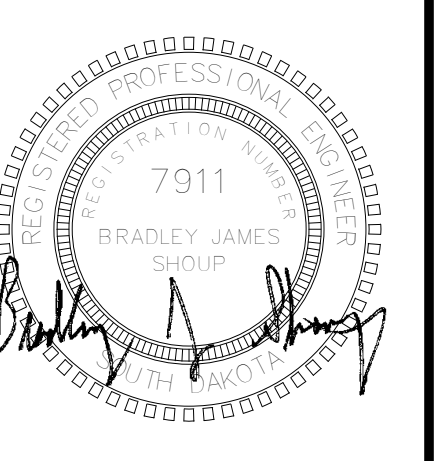
- 1 GYM CONTROL PANEL "GCP", SEE DETAIL.
- 2 COORDINATE CONNECTION REQUIREMENTS WITH BLEACHER EQUIPMENT SUPPLIER.
- 3 INSTALL FLOOR BOX IN FLOATING WOOD FLOOR WITH CONNECTIONS MADE WITH 4" OF FMC. COORDINATE INSTALLATION WITH GC.
- 4 GYM SOUND SYSTEM DEVICE.
- 5 VIDEO DISPLAY TIMECLOCK PROVIDE DUPLEX RECEPTACLE AND BOX AND RACEWAY FOR CONTROL CABLING, CABLING SHALL BE PROVIDED BY THE EQUIPMENT SUPPLIER. COORDINATE REQUIREMENTS WITH THE SUPPLIER.
- 6 RECEPTACLES IN THIS ROOM SHALL BE GFI PROTECTED IN ACCORDANCE WITH THE NEC AND LOCAL CODE REQUIREMENTS. PROVIDE GFI RECEPTACLES OR GFI CIRCUIT BREAKERS FOR RECEPTACLES THAT ARE NOT READILY ACCESSIBLE OR AVAILABLE WITH GFI PROTECTION.
- 7 COMMUNICATIONS AND DATA-PROCESSING EQUIPMENT (IDF) LOCATION PROVIDE A 12 STAND MULTI-MODE FIBER-OPTIC CABLE (DATA) AND A 25 PAIR CATEGORY 5E (VOICE) BACKBONE CABLES TO THE IDF.
- 8 135 DEGREE HEAT DETECTOR LOCATE WITHIN 24" OF EACH SPRINKLER HEAD, INTERLOCK WITH ELEVATOR EQUIPMENT SHUNT-TRIP CIRCUIT BREAKER.
- 9 COORDINATE ALL ELEVATOR CONNECTION REQUIREMENTS WITH ELEVATOR SUPPLIER.
- 10 GYM SOUND SYSTEM EQUIPMENT RACK. PROVIDE EQUIPMENT GROUNDING CONDUCTOR.
- 11 COMMONS SOUND SYSTEM EQUIPMENT RACK. PROVIDE EQUIPMENT GROUNDING CONDUCTOR.
- 12 COORDINATE MOUNTING HEIGHT OF CAMERA WITH THE OWNER. TYPICAL.
- 13 FLOOR BOX SIMILAR TO WIRE MOLD 880W3838TICAL WITH APPROPRIATE BRUSHED ALUMINUM COVERS. COORDINATE LOCATION WITH THE OWNER AND DAKTRONICS.
- 14 TERMINATE ONE DATA CABLE AT THE IDF IN ROOM F132 AND ONE DATA CABLE AT THE DAKTRONICS EQUIPMENT RACK IN ROOM F105.
- 15 DAKTRONICS EQUIPMENT RACK.



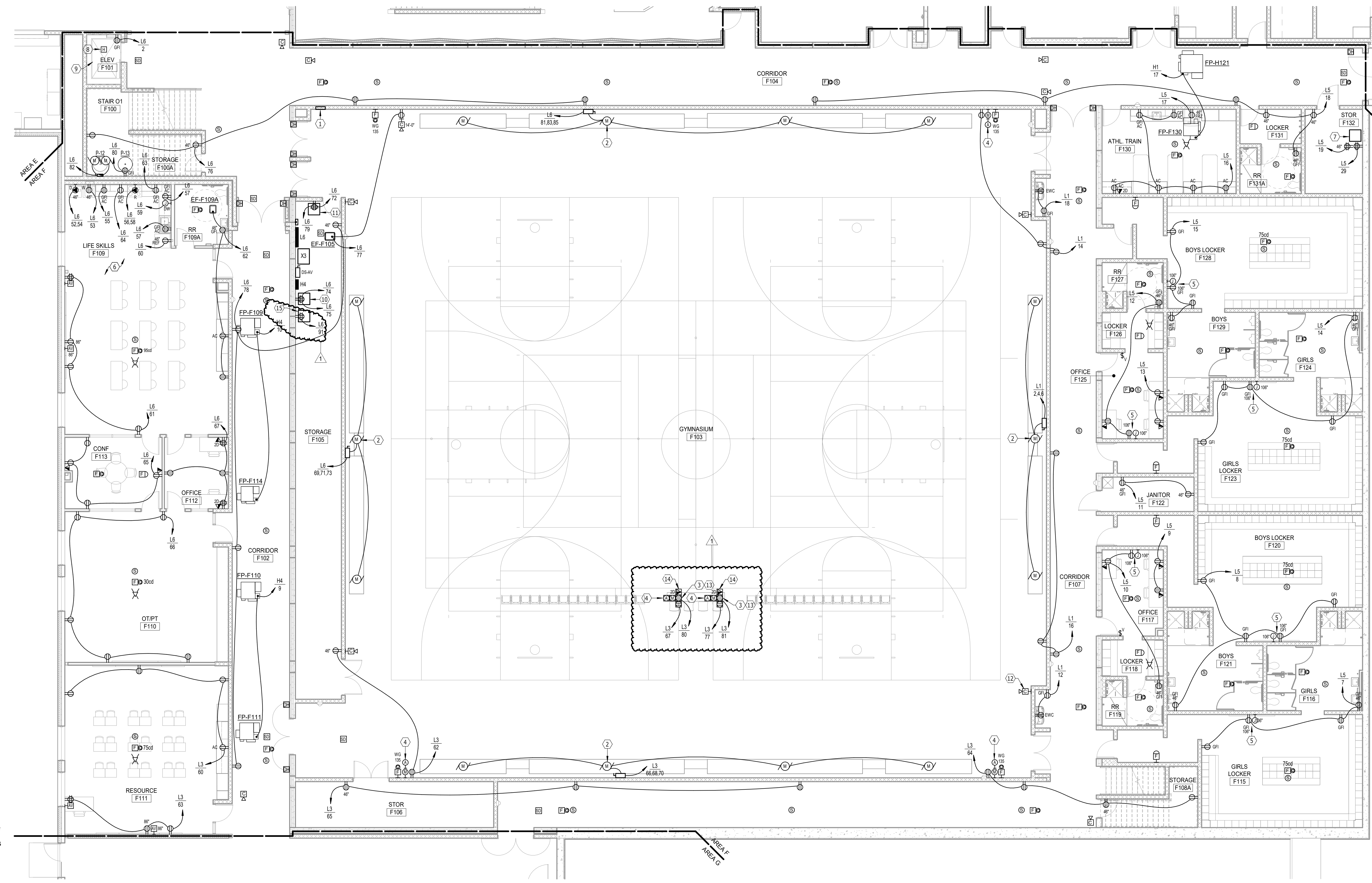
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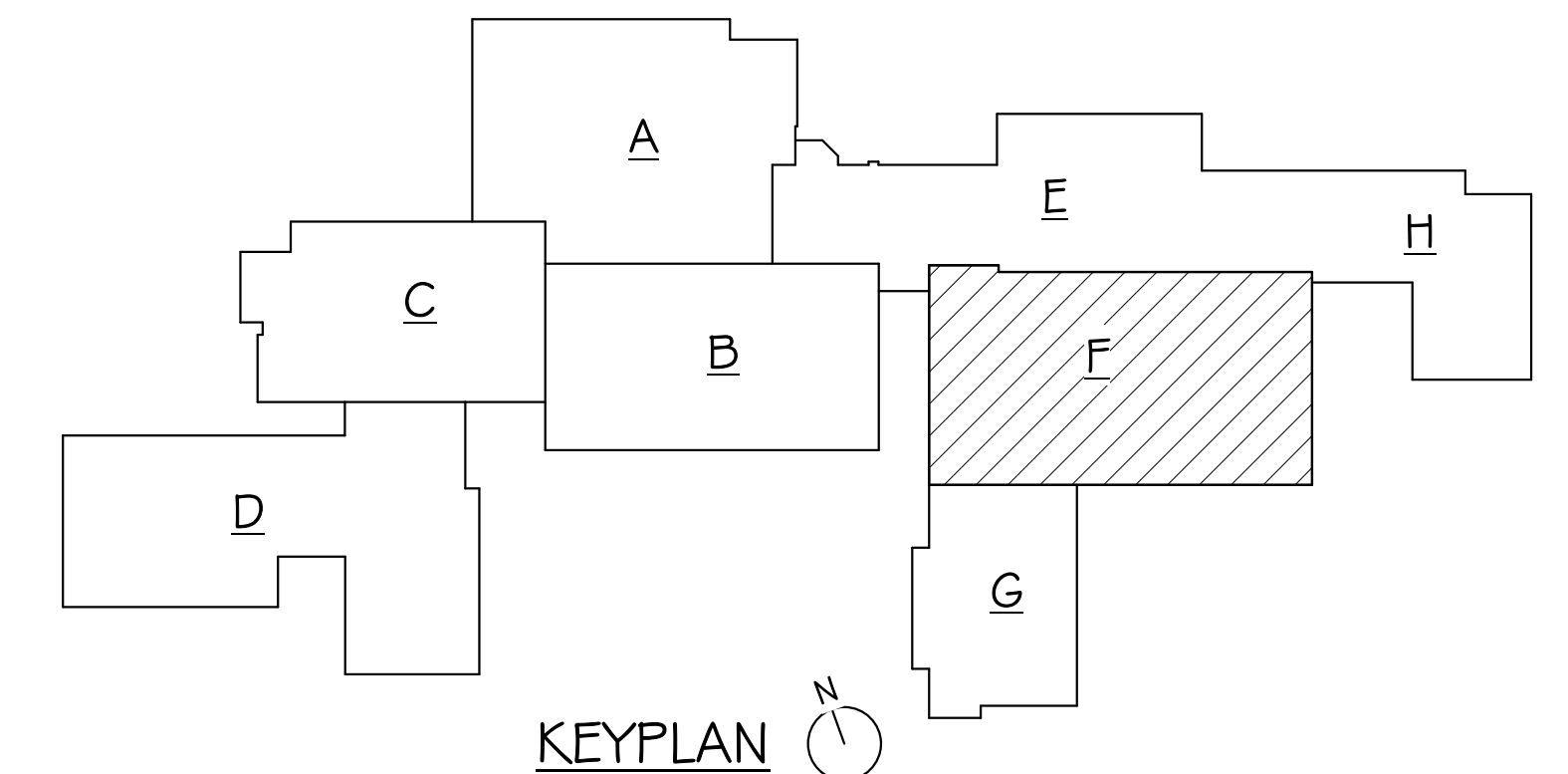
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FIRST FLOOR PLAN - AREA F - POWER & SIGNAL
SCALE 0 4 8 12 16

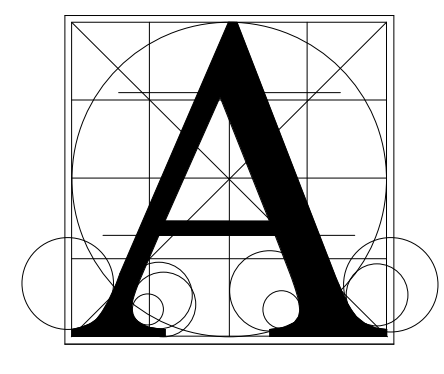


BALTIC HIGH SCHOOL ADDITION
FIRST FLOOR PLAN - AREA F - POWER & SIGNAL

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date	12-22-2022	
revision		
drawn	KMT	checked BJS
NO.	DATE	DESCRIPTION
1	1-20-23	ADDENDUM 2

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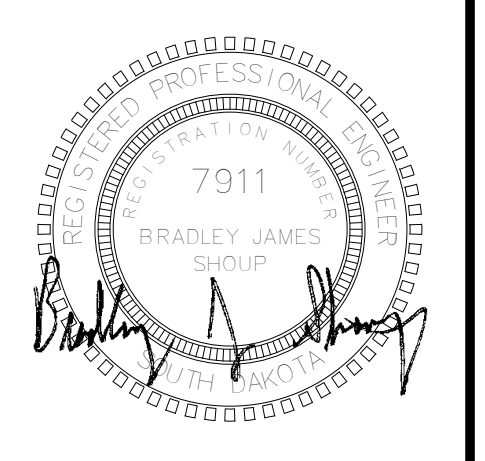
- ELECTRICAL NOTES**
1. MOUNT FIXTURE UNDER STAIRS.
 2. COORDINATE LOCATIONS WITH THE OWNER AND PLUMBING CONTRACTOR.
 3. GAS SHUTOFF VALVES BY IFC COORDINATE CONNECTION REQUIREMENTS.
 4. MUSHROOM HEAD "GAS EMERGENCY OFF" PUSHBUTTON SWITCH. PROVIDE PROTECTIVE COVER SIMILAR TO ST113020CF.



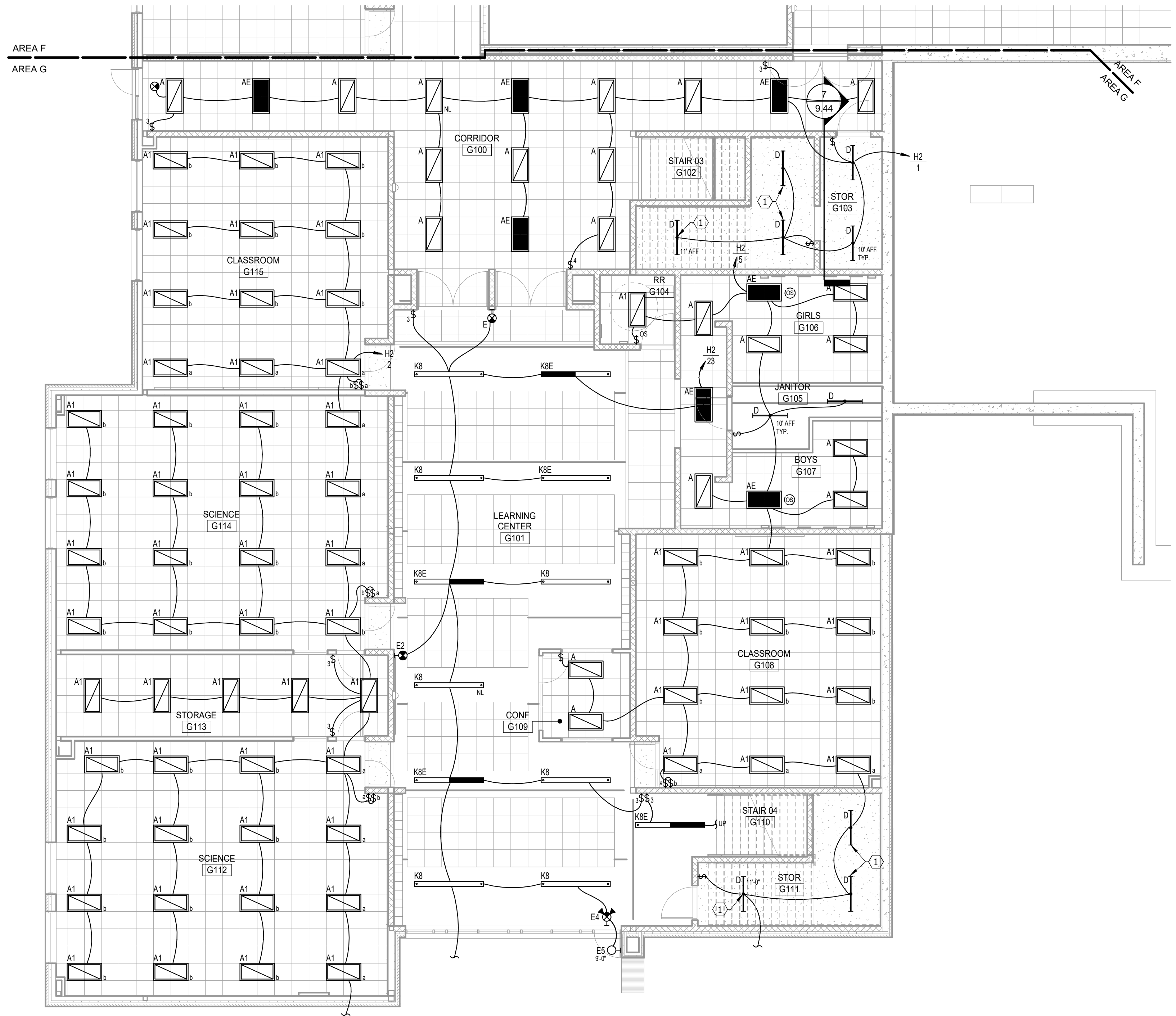
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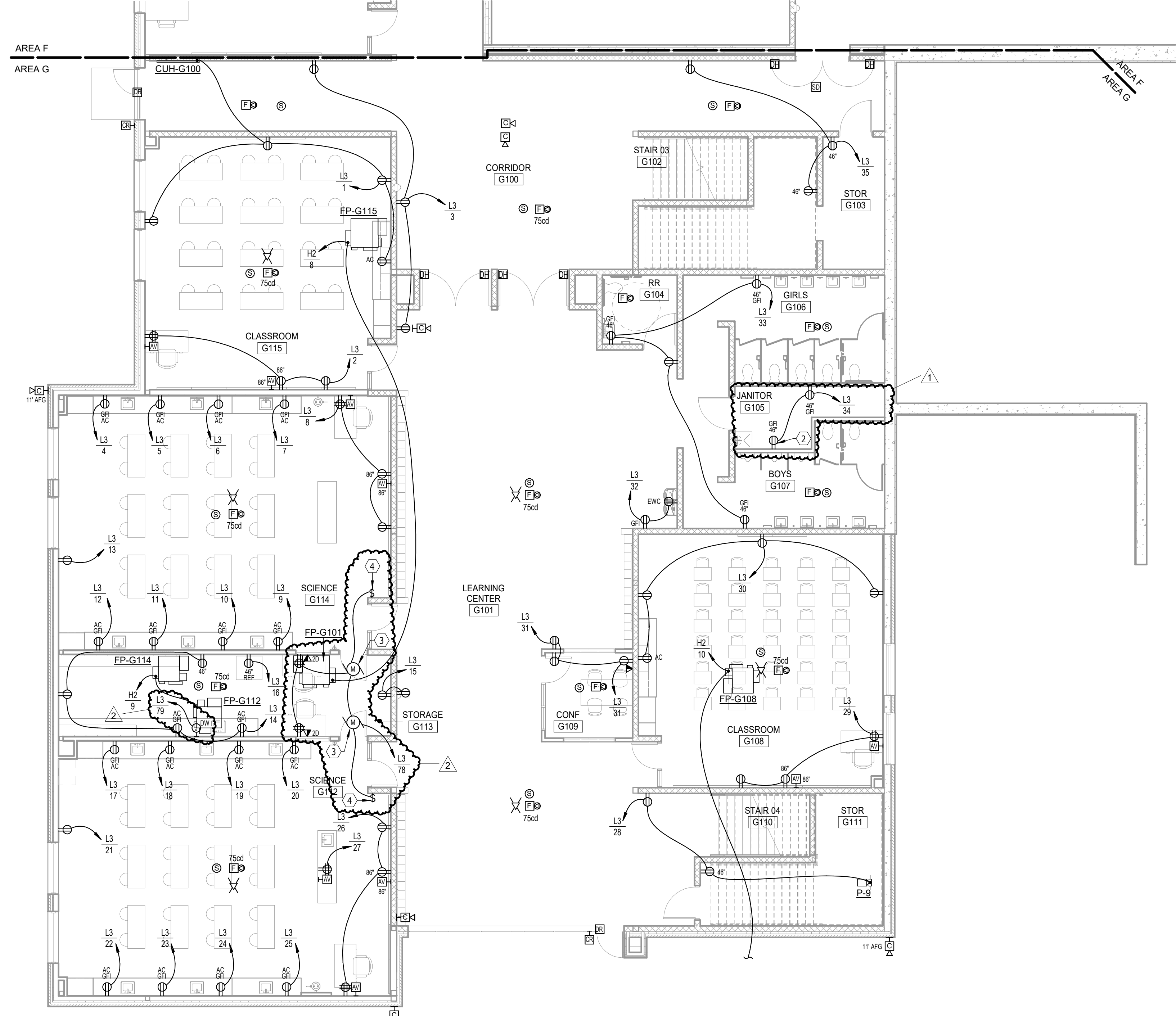
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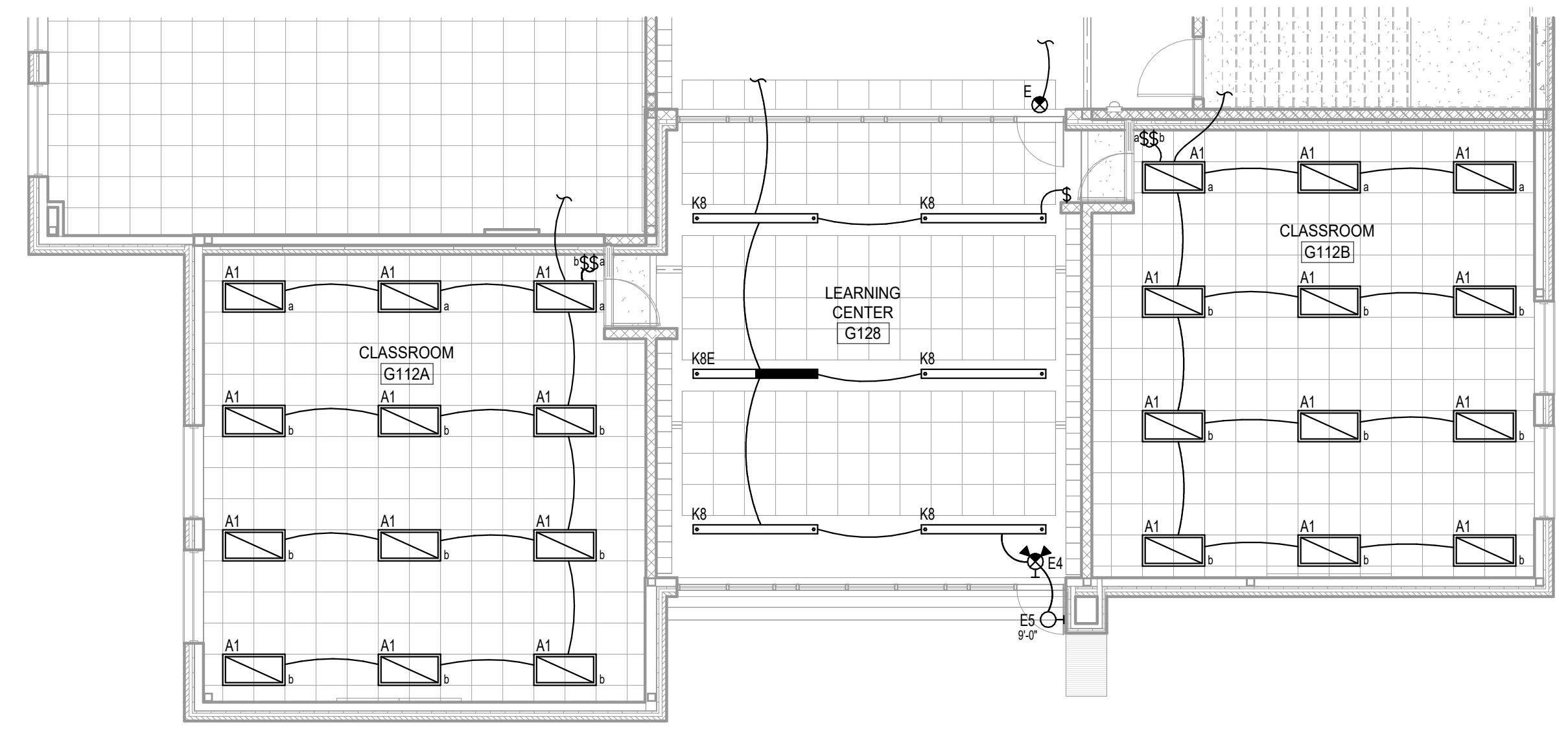
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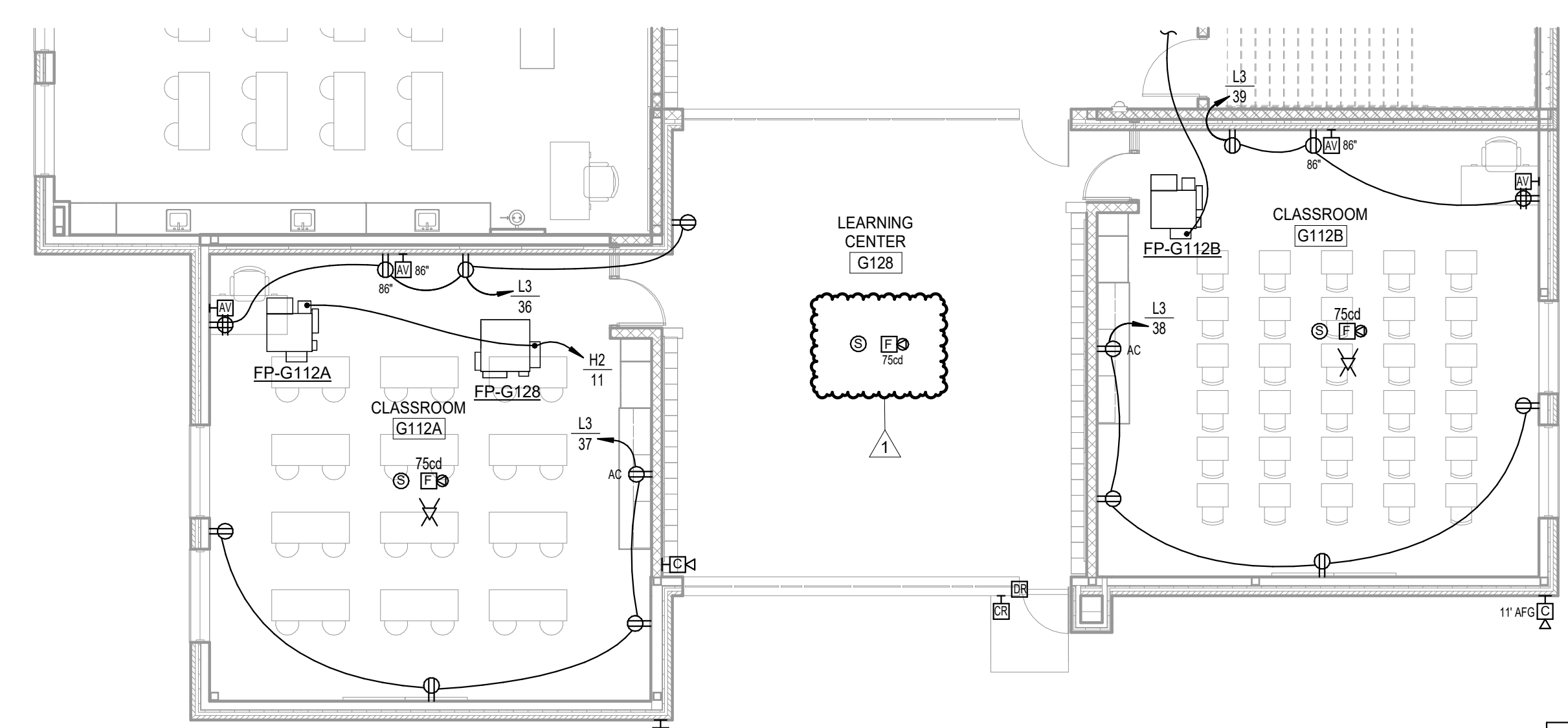
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SCALE 0 4 8 12 16



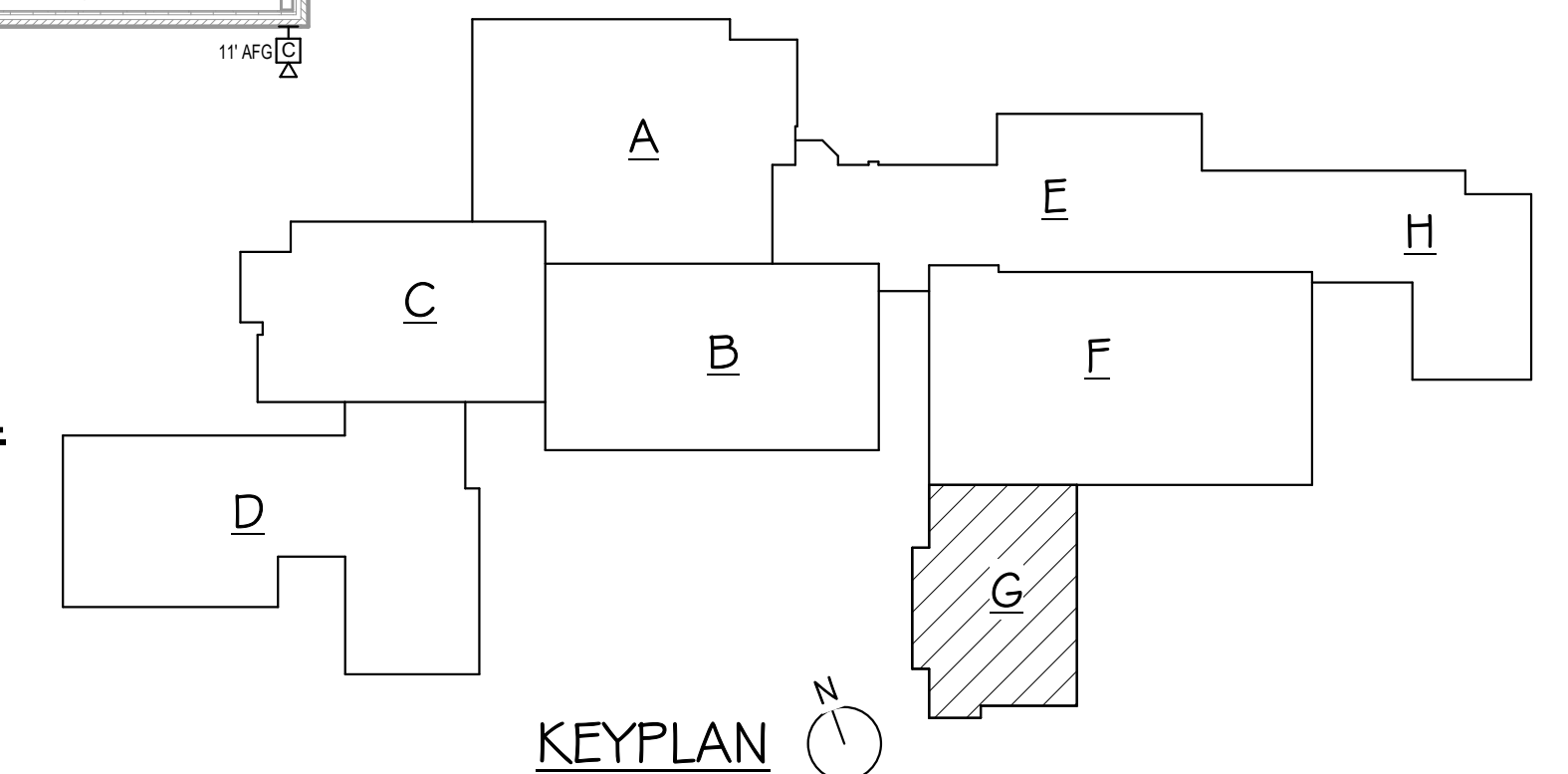
FIRST FLOOR PLAN - AREA G - POWER & SIGNAL
SCALE 0 4 8 12 16



FIRST FLOOR PLAN - AREA G - ADD ALT. - LIGHTING
SCALE 0 4 8 12 16



FIRST FLOOR PLAN - AREA G - ADD ALT. - POWER & SIGNAL
SCALE 0 4 8 12 16

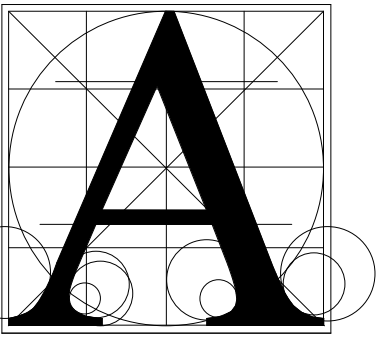


BALTIC HIGH SCHOOL ADDITION
FIRST FLOOR PLAN - AREA G - ELECTRICAL

Project	number	0727.2957.21
date	12-22-2022	
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1	1-13-23	ADDENDUM 1
2	1-20-23	ADDENDUM 2

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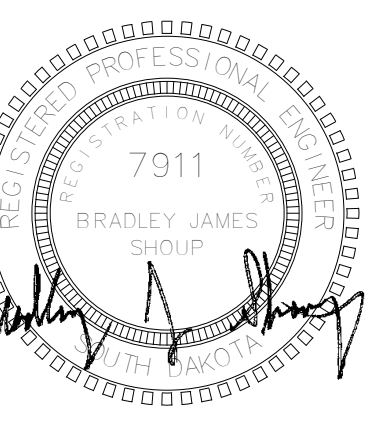
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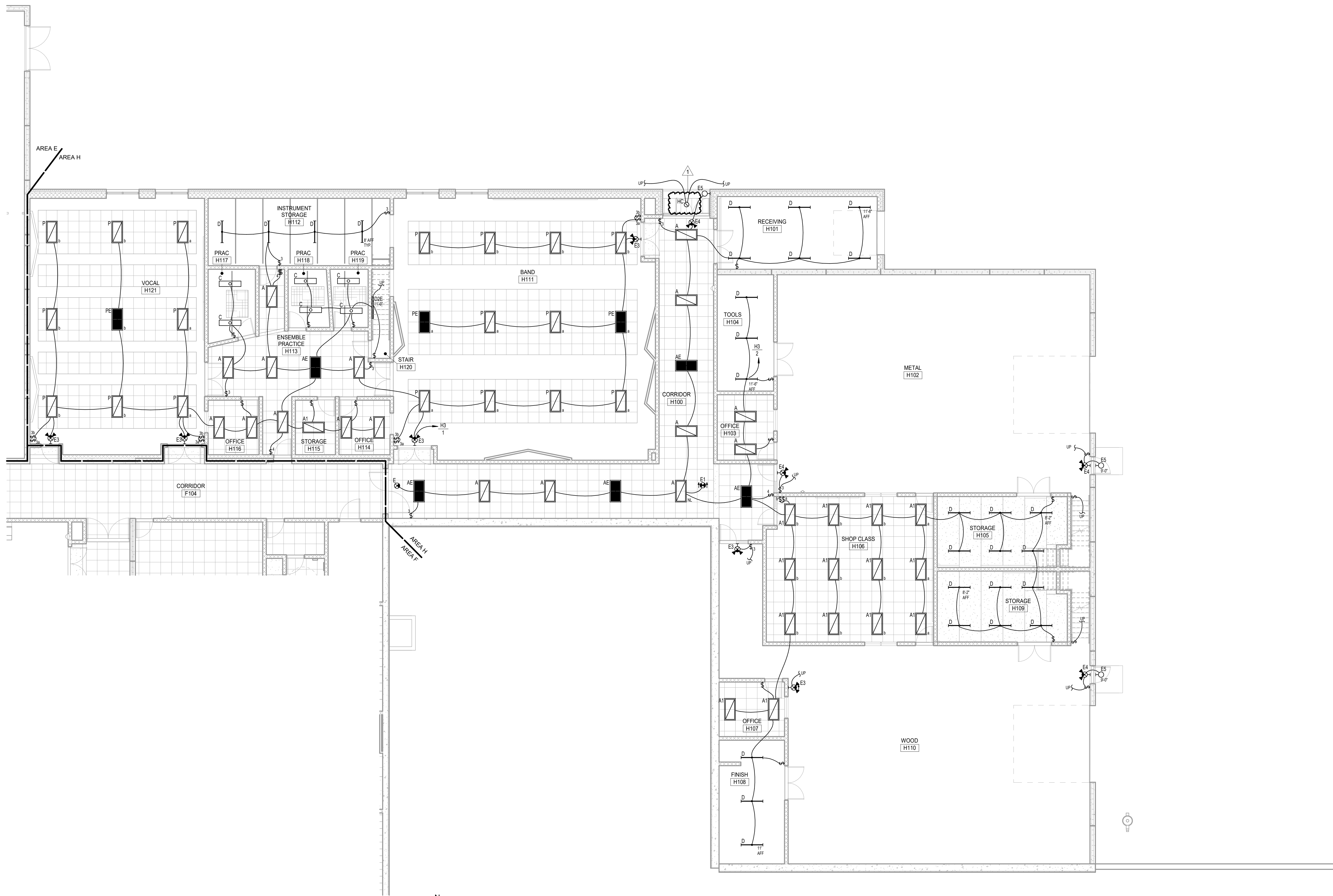
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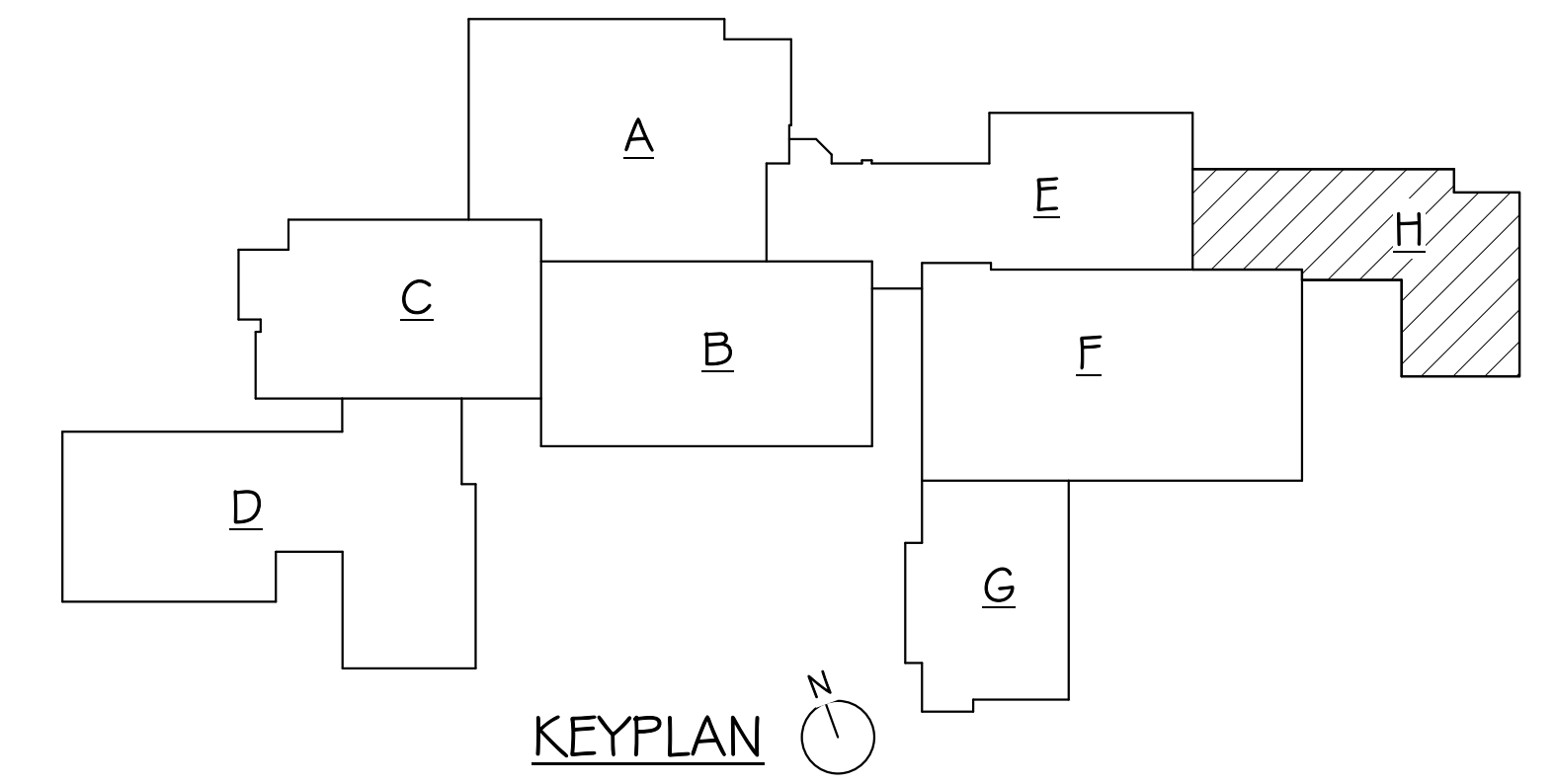
FIRST FLOOR PLAN - AREA H - LIGHTING

Project	number	0727.2957.21
date	12-22-2022	
revision		
drawn	KMT	checked BUS
NO.	DATE	DESCRIPTION
1	1-13-23	ADDENDUM 1

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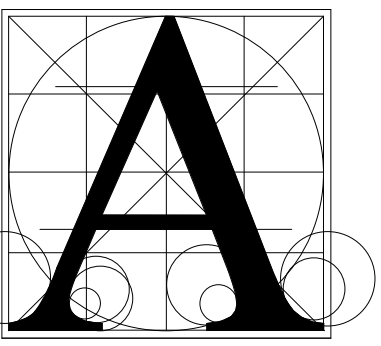


FIRST FLOOR PLAN - AREA H - LIGHTING
SCALE 0 4 8 12 16



ELECTRICAL NOTES

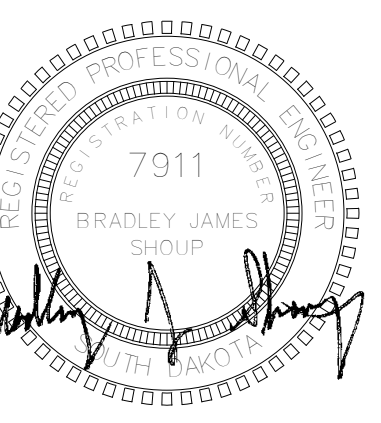
1. VERIFY LOCATIONS AND HEIGHTS OF OUTLETS AT SMARTBOARD WITH OWNER. TYPICAL. ALL ROOMS ARE NOT THE SAME.
2. RECEPTACLES IN THIS ROOM SHALL BE GFI PROTECTED IN ACCORDANCE WITH THE NEC AND LOCAL CODE REQUIREMENTS. PROVIDE GFI RECEPTACLES OR GFI CIRCUIT BREAKERS FOR RECEPTACLES THAT ARE NOT READILY ACCESSIBLE OR AVAILABLE WITH GFI PROTECTION.
3. MINOR REPAIR GARAGE.
4. 1" CONDUIT TO PANEL "H3" FOR FUTURE CNC.
5. DUST COLLECTOR CONTROL PANEL.
6. CLASS 1, DIVISION 2 LOCATION.



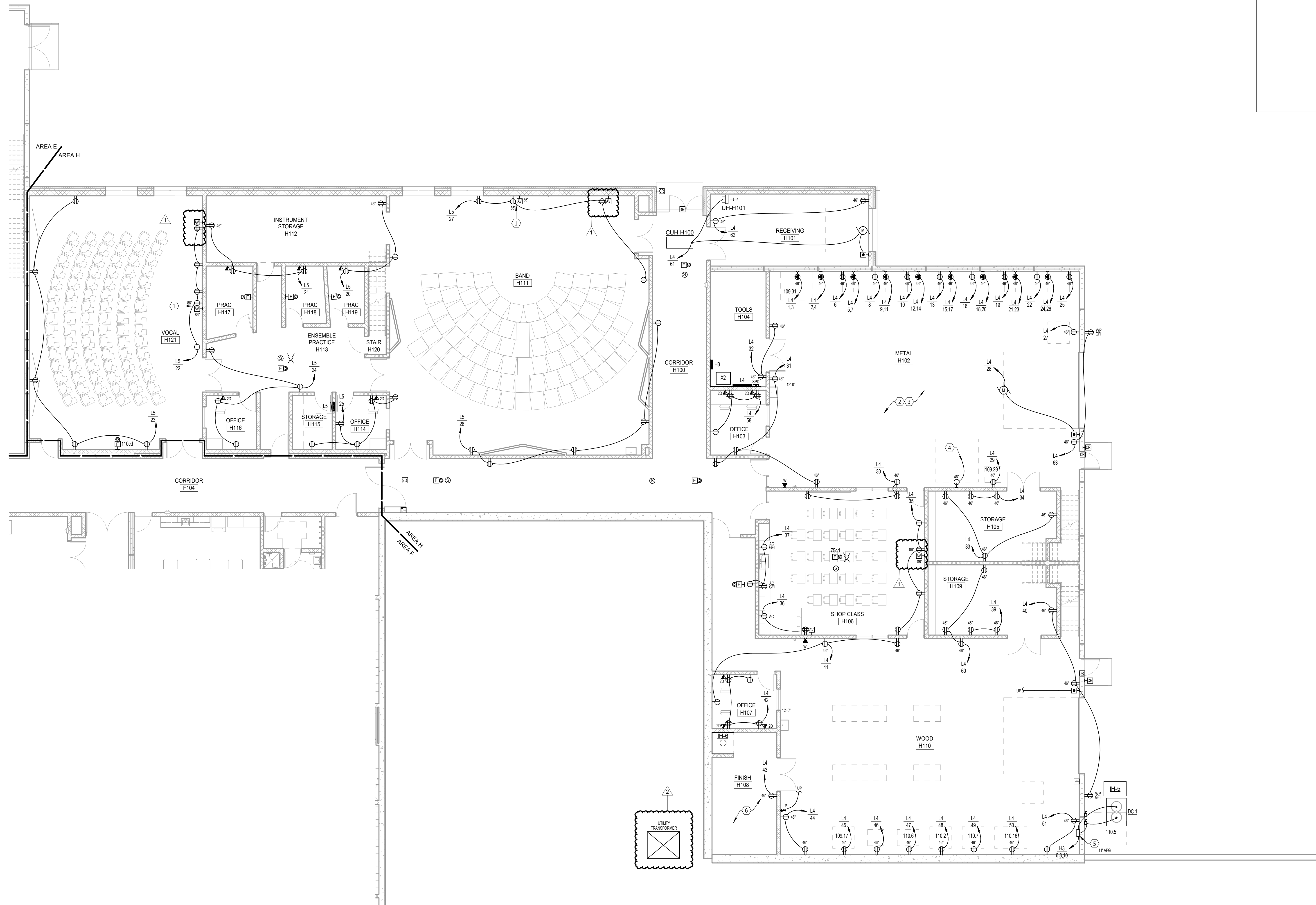
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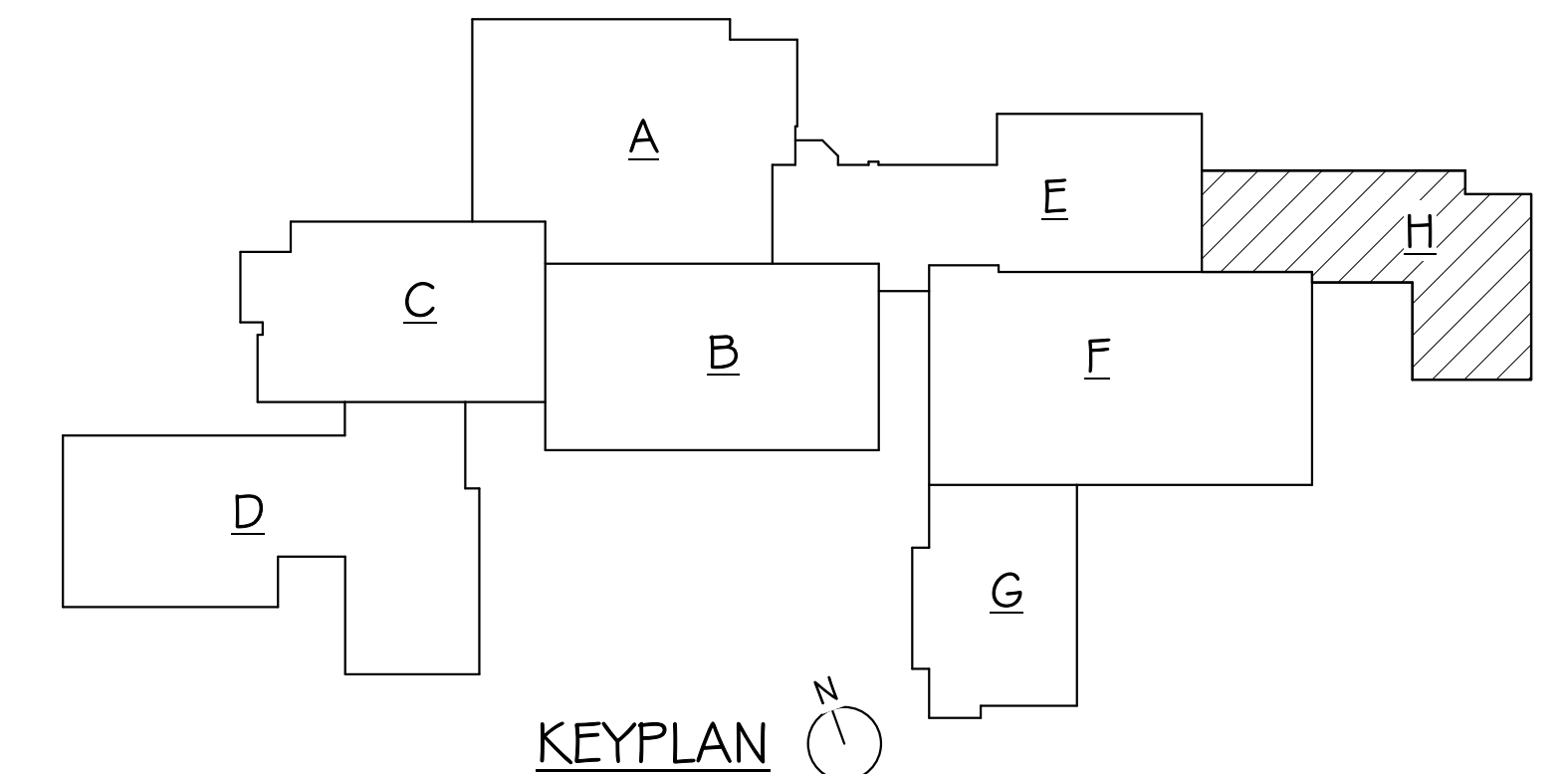
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FIRST FLOOR PLAN - AREA H - POWER & SIGNAL
SCALE 0 4 8 12 16

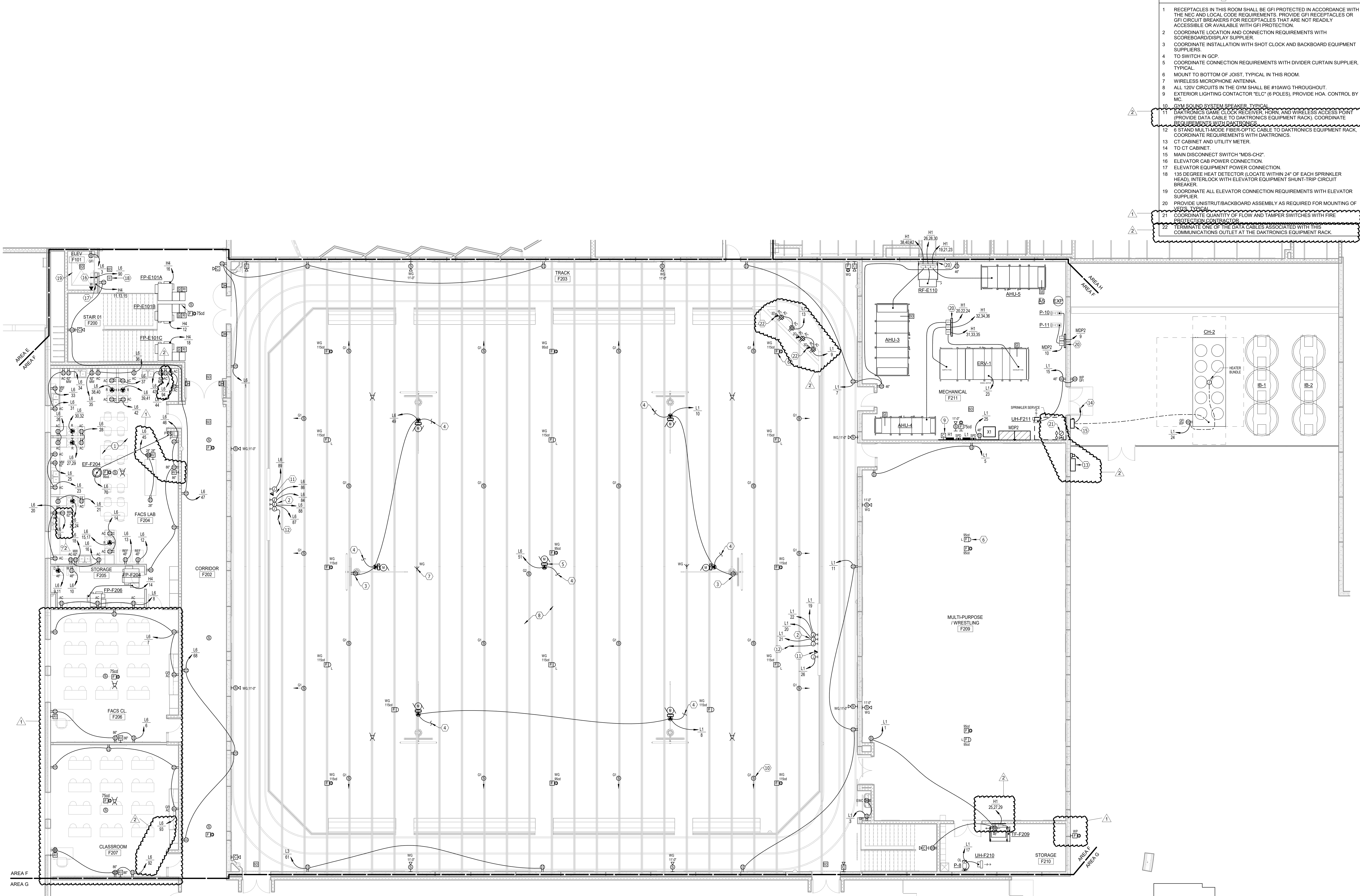


BALTIC HIGH SCHOOL ADDITION
FIRST FLOOR PLAN - AREA H - POWER & SIGNAL

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2	1-20-23	ADDENDUM 2

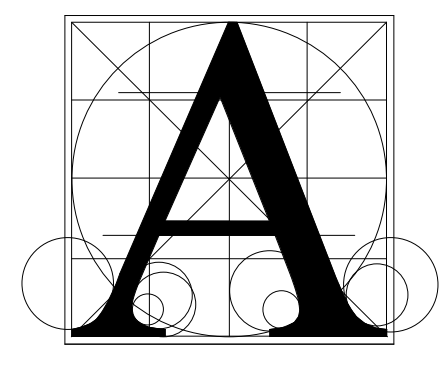
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ELECTRICAL NOTES

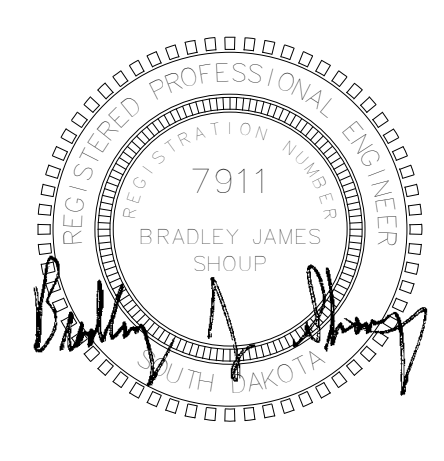
- 1 RECEPTACLES IN THIS ROOM SHALL BE GFI PROTECTED IN ACCORDANCE WITH THE NEC AND LOCAL CODE REQUIREMENTS. PROVIDE GFI RECEPTACLES OR GFI CIRCUIT BREAKERS FOR RECEPTACLES THAT ARE NOT READILY ACCESSIBLE OR AVAILABLE WITH GFI PROTECTION.
- 2 COORDINATE LOCATION AND CONNECTION REQUIREMENTS WITH SCOREBOARD/DISPLAY SUPPLIER.
- 3 COORDINATE INSTALLATION WITH SHOT CLOCK AND BACKBOARD EQUIPMENT SUPPLIERS.
- 4 TO SWITCH IN GCP.
- 5 COORDINATE CONNECTION REQUIREMENTS WITH DIVIDER CURTAIN SUPPLIER. TYPICAL.
- 6 MOUNT TO BOTTOM OF JOIST. TYPICAL IN THIS ROOM.
- 7 WIRELESS MICROPHONE ANTENNA.
- 8 ALL 120V CIRCUITS IN THE GYM SHALL BE #10AWG THROUGHOUT.
- 9 EXTERIOR LIGHTING CONTACTOR 'ELC' (6 POLES), PROVIDE HOA. CONTROL BY MC.
- 10 GYM SOUND SYSTEM SPEAKER. TYPICAL.
- 11 DAKTRONICS GAME CLOCK RECEIVER. HORN AND WIRELESS ACCESS POINT (PROVIDE DATA CABLE TO DAKTRONICS EQUIPMENT RACK). COORDINATE REQUIREMENTS WITH DAKTRONICS.
- 12 6 STAND MULTI-MODE FIBER-OPTIC CABLE TO DAKTRONICS EQUIPMENT RACK. COORDINATE REQUIREMENTS WITH DAKTRONICS.
- 13 CT CABINET AND UTILITY METER.
- 14 TO CT CABINET.
- 15 MAIN DISCONNECT SWITCH "MDS-CH2".
- 16 ELEVATOR CAB POWER CONNECTION.
- 17 ELEVATOR EQUIPMENT POWER CONNECTION.
- 18 135 DEGREE HEAT DETECTOR (LOCATE WITHIN 24" OF EACH SPRINKLER HEAD). INTERLOCK WITH ELEVATOR EQUIPMENT SHUNT-TRIP CIRCUIT BREAKER.
- 19 COORDINATE ALL ELEVATOR CONNECTION REQUIREMENTS WITH ELEVATOR SUPPLIER.
- 20 PROVIDE UNISTRUT/BACKBOARD ASSEMBLY AS REQUIRED FOR MOUNTING OF ELECTRICAL EQUIPMENT.
- 21 COORDINATE QUANTITY OF FLOW AND TAMPER SWITCHES WITH FIRE PROTECTION CONTRACTOR.
- 22 TERMINATE ONE OF THE DATA CABLES ASSOCIATED WITH THIS COMMUNICATIONS OUTLET AT THE DAKTRONICS EQUIPMENT RACK.



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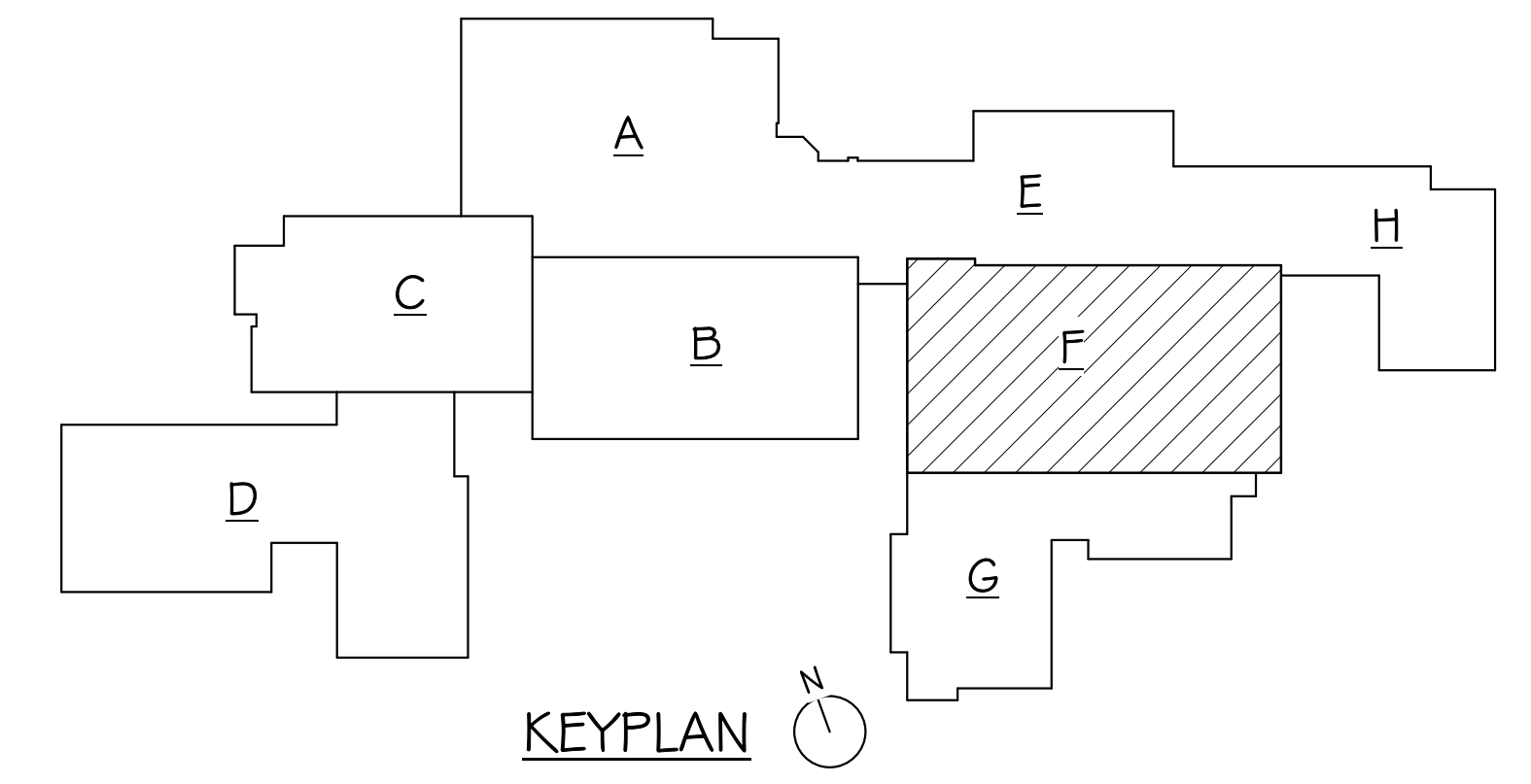
Project: **BALTIC HIGH SCHOOL ADDITION**

Sheet contents: **SECOND FLOOR PLAN - AREA F - POWER & SIGNAL**

BALTIC HIGH SCHOOL ADDITION

SECOND FLOOR PLAN - AREA F - POWER & SIGNAL

SECOND FLOOR PLAN - AREA F - POWER & SIGNAL
SCALE 0 4 8 12 16

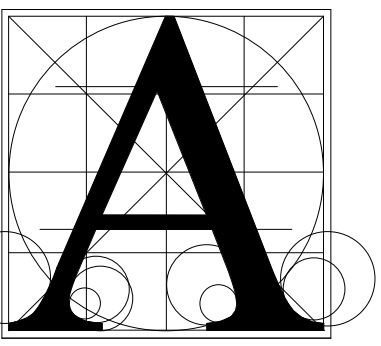


number	0727.2957.21	
date	12-22-2022	
revision		
drawn	KMT	
checked	BJS	
NO.	DATE	DESCRIPTION
1	1-13-23	ADDENDUM 1
2	1-20-23	ADDENDUM 2

9.43

ELECTRICAL NOTES

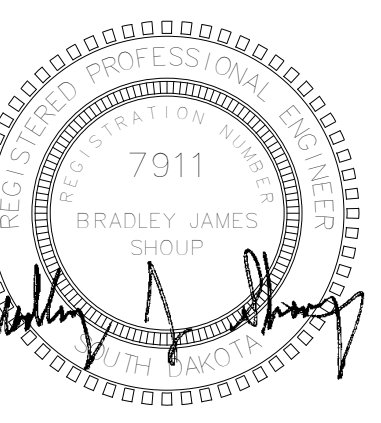
- 1 MOUNT FIXTURE UNDER STAIRS.
- 2 COORDINATE LIGHTING INSTALLATION WITH MECHANICAL EQUIPMENT. SHIFT AS NECESSARY.



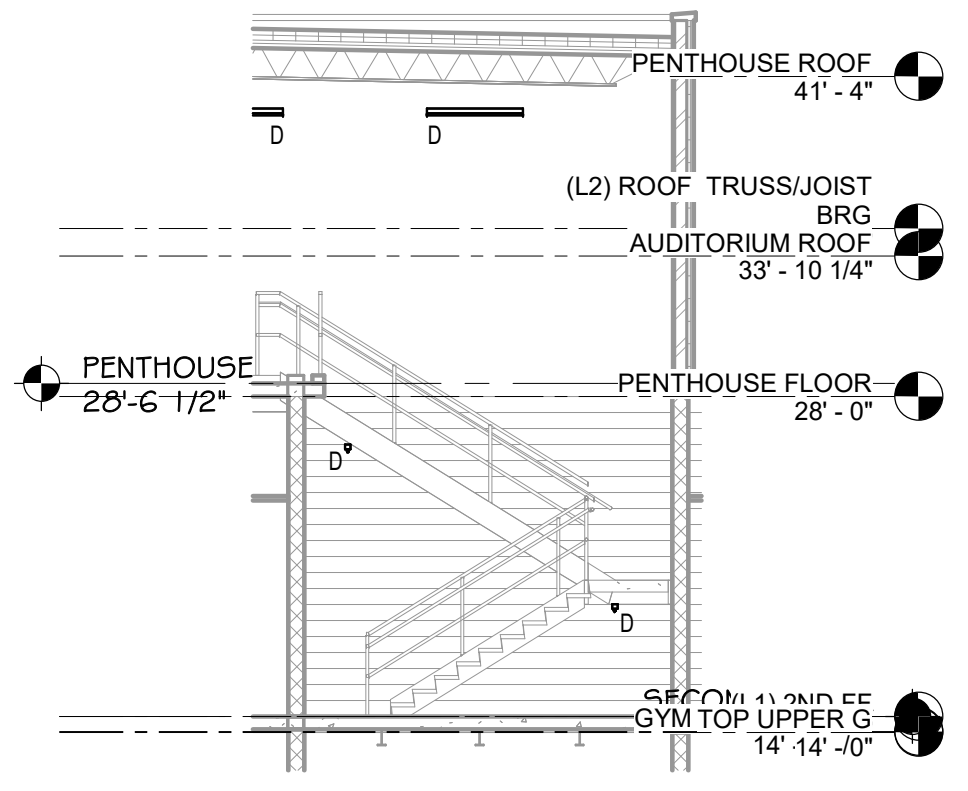
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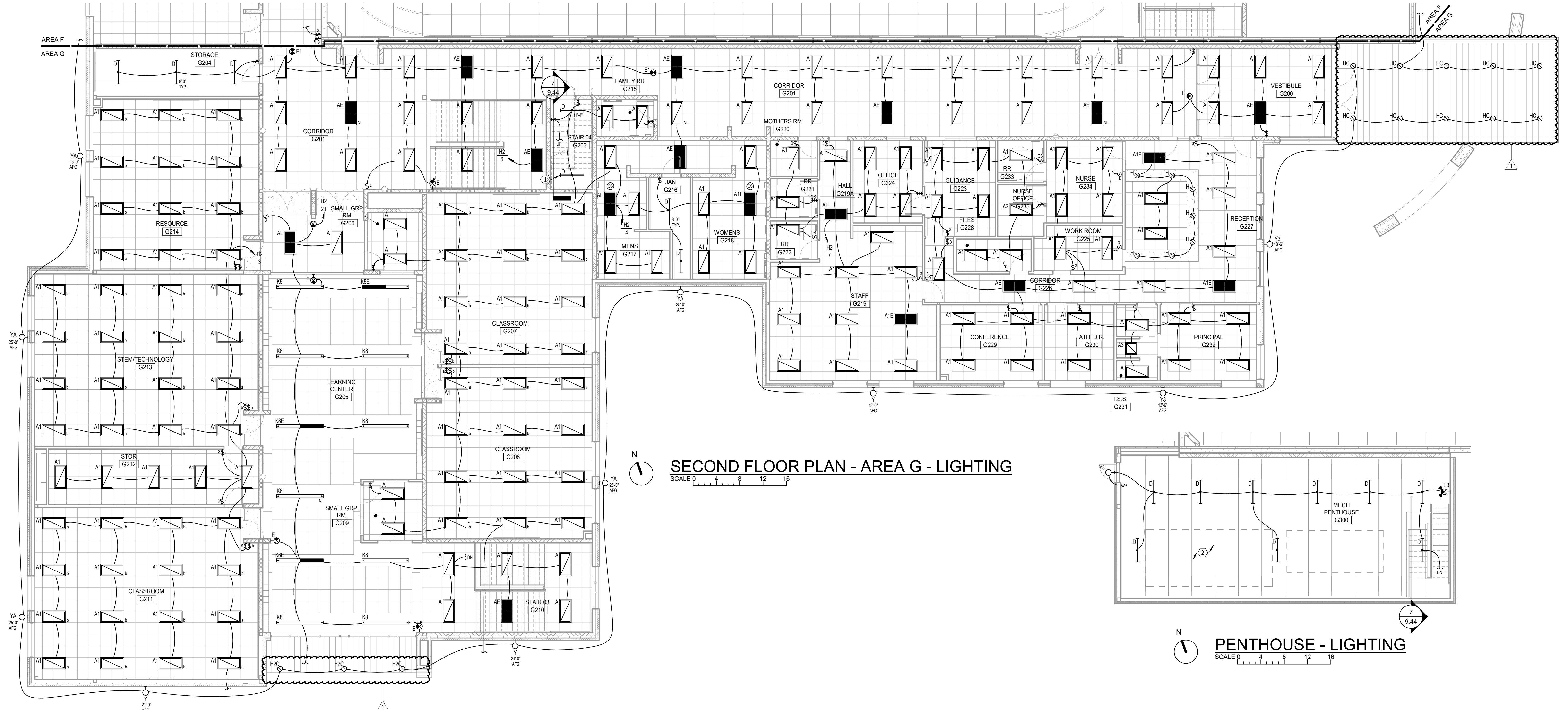
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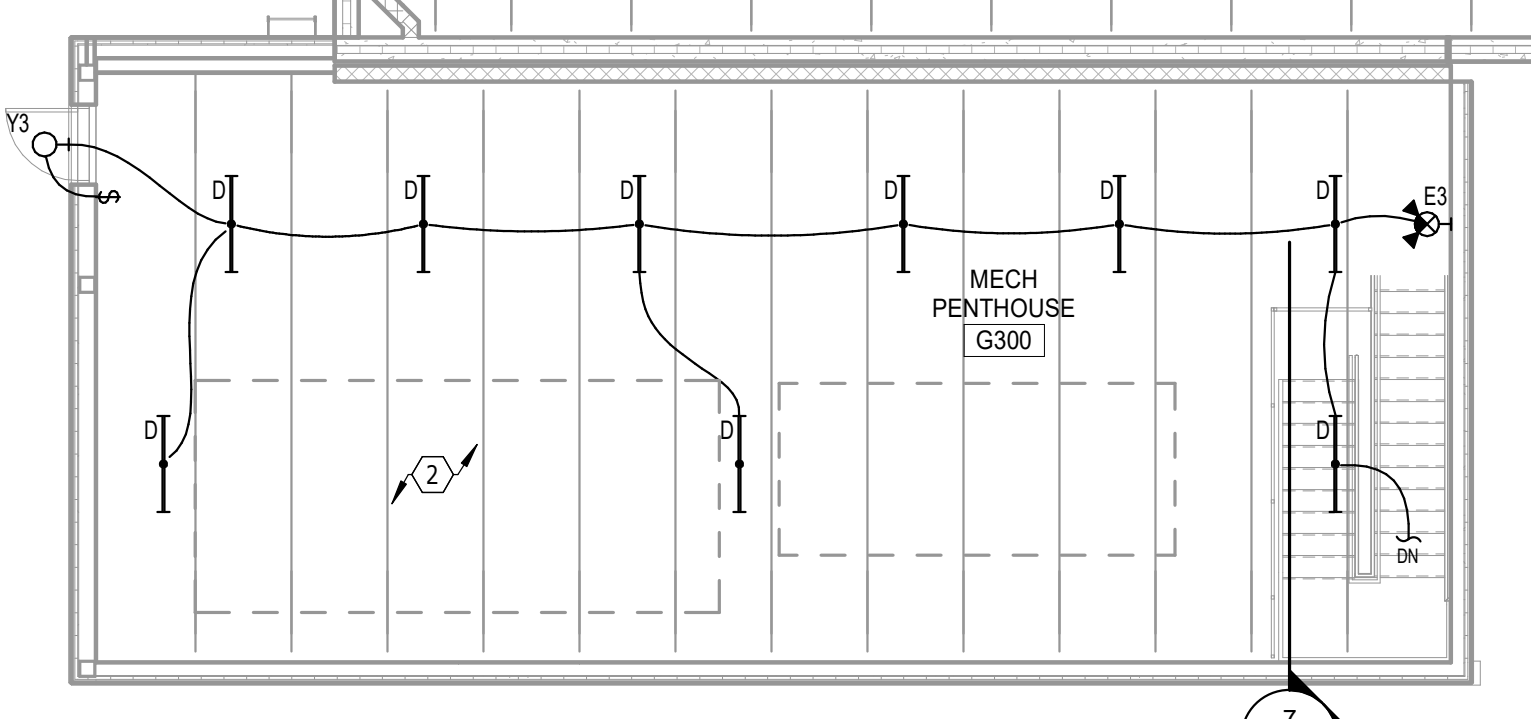
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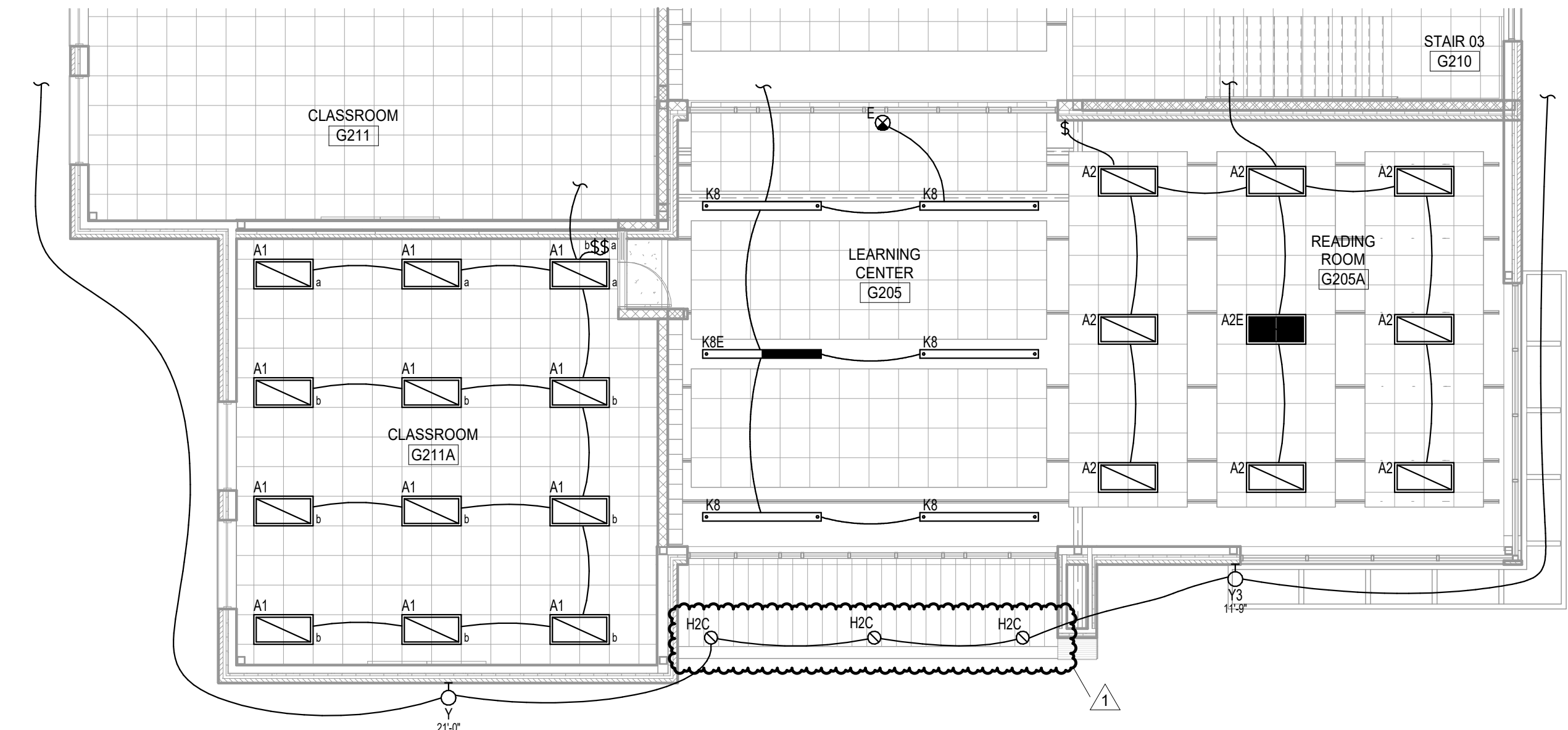
7 STAIR G203
1/8" = 1'-0"



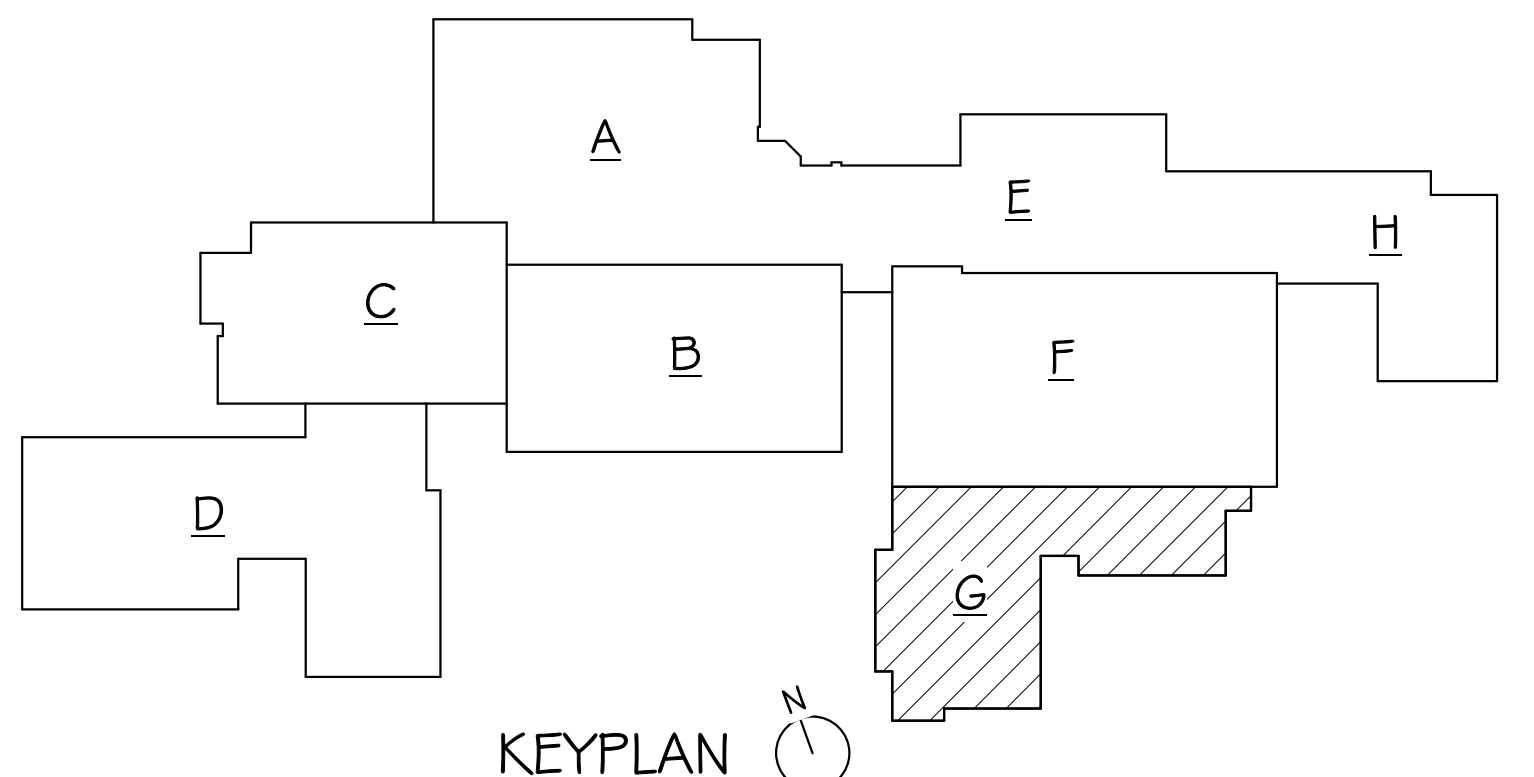
SECOND FLOOR PLAN - AREA G - LIGHTING
SCALE 0 4 8 12 16



PENTHOUSE - LIGHTING
SCALE 0 4 8 12 16



SECOND FLOOR PLAN - AREA G - ADD ALT. - LIGHTING
SCALE 0 4 8 12 16



KEYPLAN

BALTIC HIGH SCHOOL ADDITION
SECOND FLOOR PLAN - AREA G - LIGHTING

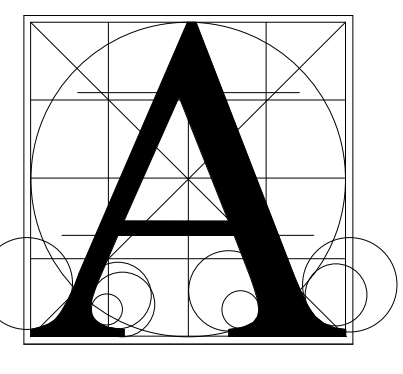
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date	12-22-2022	
revision		
drawn	KMT	checked BUS
NO.	DATE	DESCRIPTION
1	1-13-23	ADDENDUM 1

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ELECTRICAL NOTES

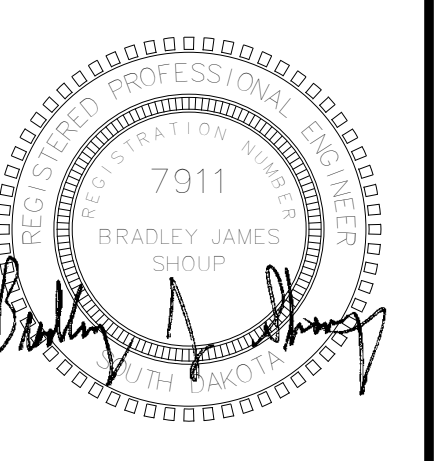
- 1 RECEPTACLES IN THIS ROOM SHALL BE GFI PROTECTED IN ACCORDANCE WITH THE NEC AND LOCAL CODE REQUIREMENTS. PROVIDE GFI RECEPTACLES OR GFI CIRCUIT BREAKERS FOR RECEPTACLES THAT ARE NOT READILY ACCESSIBLE OR AVAILABLE WITH GFI PROTECTION.
- 2 COMMUNICATIONS AND DATA-PROCESSING EQUIPMENT (DPE) LOCATION. PROVIDE A 12 STAND MULTIMODE FIBER-OPTIC CABLE (DATA) AND A 25 PAIR CATEGORY 5E (VOICE) BACKBONE CABLES TO THE MDF.
- 3 COORDINATE PANIC ALARM PUSHBUTTON ROUGH-IN REQUIREMENTS WITH THE OWNER'S SECURITY SYSTEMS SUPPLIER.
- 4 MASS NOTIFICATIONS MUSHROOM HEAD PUSH BUTTON SWITCH. INTERLOCK WITH FIRE ALARM SYSTEM.
- 5 PROVIDE PROTECTIVE COVER SIMILAR TO STI 1200CR.
- 6 MOTOR OVERLOAD PROTECTOR PANEL FURNISHED BY MC.
- 7 COORDINATE LOCATIONS WITH THE OWNER AND PLUMBING CONTRACTOR.



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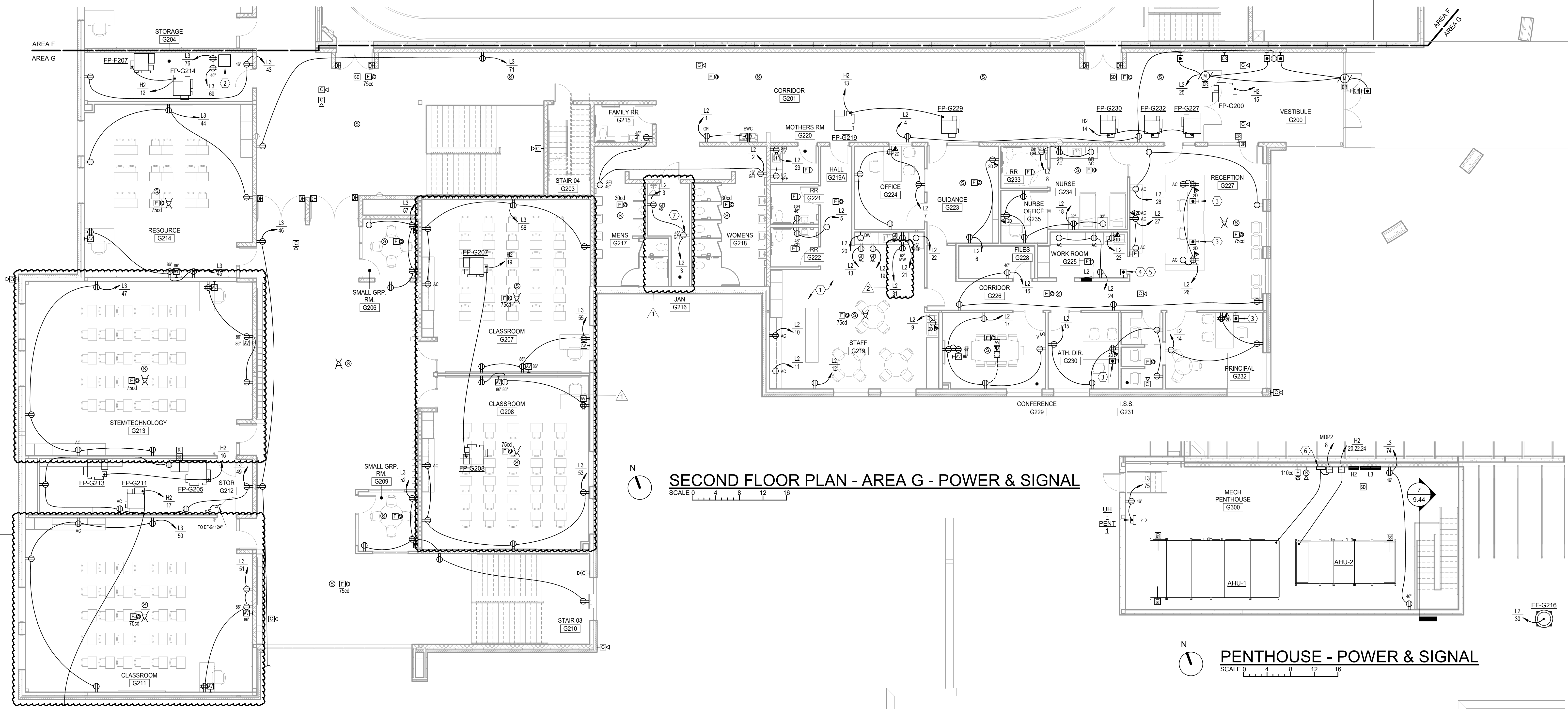


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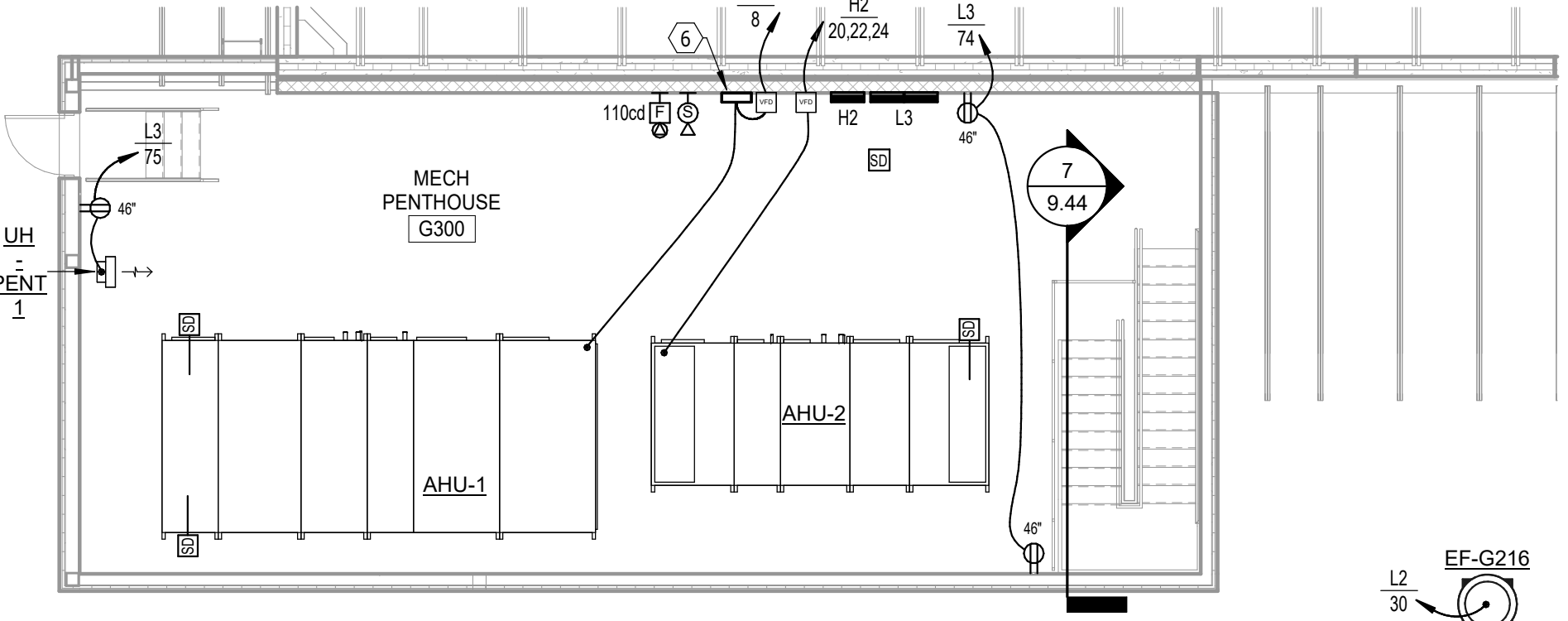
BALTIC HIGH SCHOOL ADDITION
SECOND FLOOR PLAN - AREA G - POWER & SIGNAL

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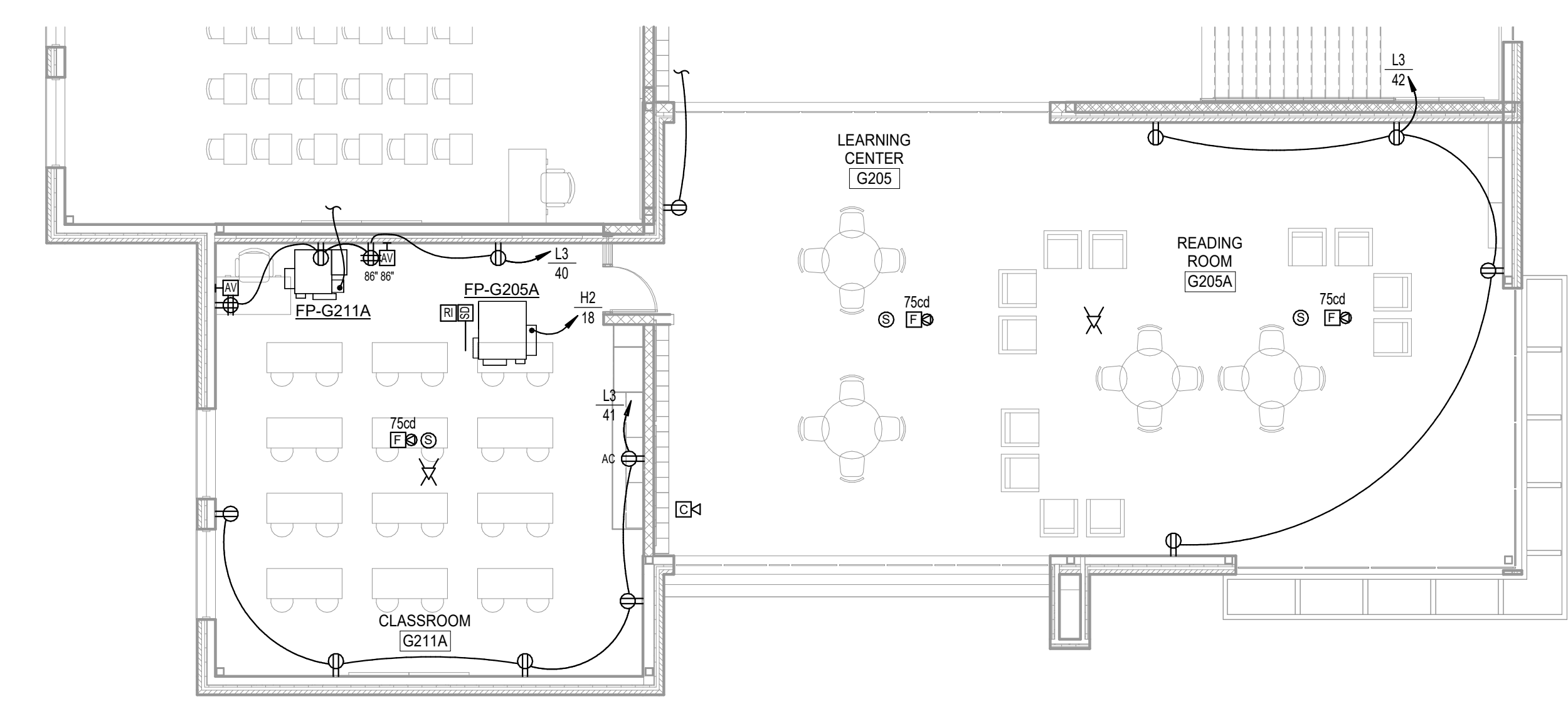
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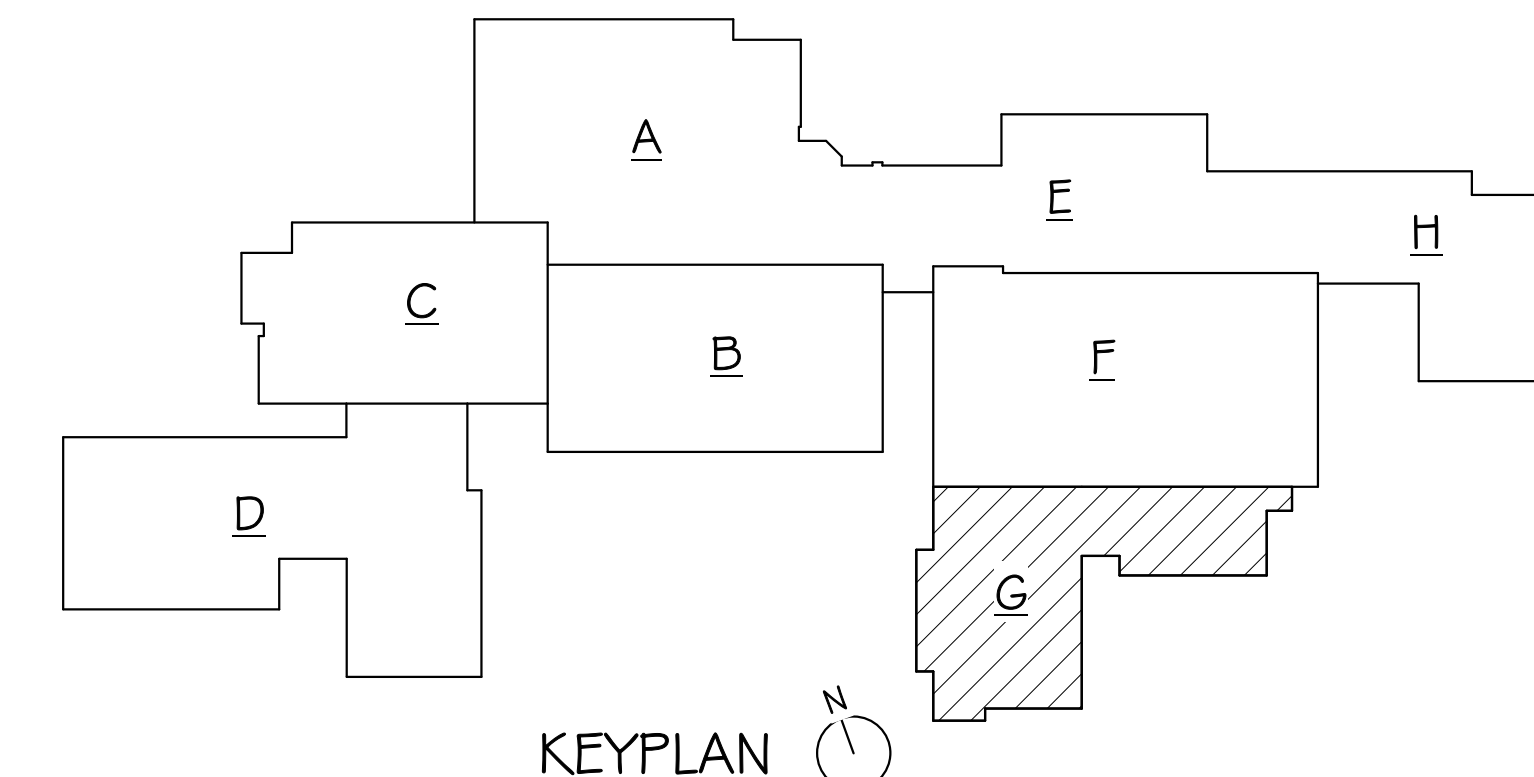
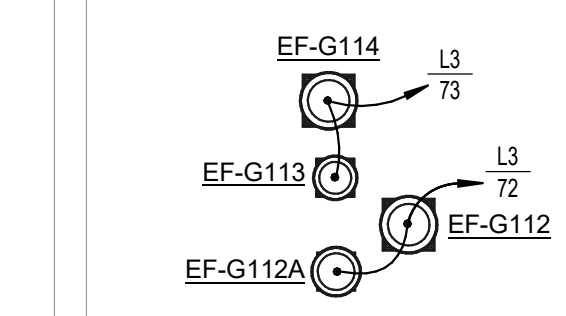
SECOND FLOOR PLAN - AREA G - POWER & SIGNAL
SCALE 0 4 8 12 16



PENTHOUSE - POWER & SIGNAL
SCALE 0 4 8 12 16

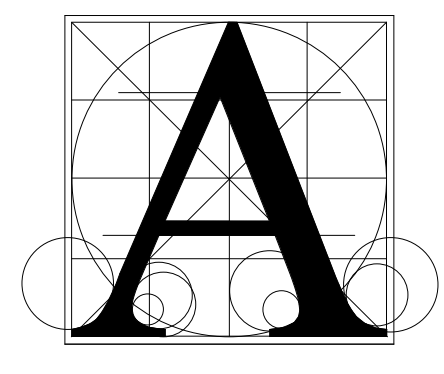


SECOND FLOOR PLAN - AREA G - ADD ALT. - POWER & SIGNAL
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KEYPLAN

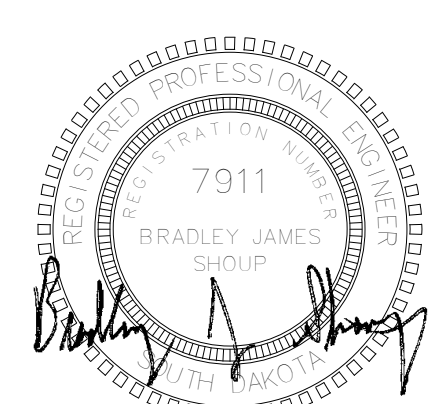
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ELECTRICAL ABBREVIATIONS LIST

1P 1 POLE (P, 3P, 4P, ETC.)	DC DROP CORD	HD HAND DRYER	N.C. NORMALLY CLOSED	SURF SURFACE MOUNTED
A AMPERE	DOWNSIDE WATER CIRCULATING PUMP	HP HORSEPOWER	N.E. NATIONAL ELECTRICAL CODE	SW SWITCH
AC ABOVE COUNTER,	DEPT DEPARTMENT	HT HEIGHT	N.E.A. NATIONAL ELECTRICAL ASSOCIATION	SMB SWITCHBOARD
CZ ABOVE BACKLASH OR CENTER TOP	DET DETAIL	HV HEATING	MANUFACTURERS TELETYPE	SYM SYMBOL
ALG ABOVE CEILING	DISC DISCONNECT SWITCH	HTR HEATER	TEL TELEPHONE	SYST SYSTEM
ADD ABOVE CEILING	DIST DISTRIBUTION	HV HEATING, VENTILATING AND AIR CONDITIONING	NFOS TELEPHONE DATA	TERM TERMINAL
ADP AUTOMATIC DOOR OPENER	DN DOWN	HVAC HEATING, VENTILATING AND AIR CONDITIONING	NC NOT IN CONTACT	TL TWIST LOCK
AF AIR FRAME	DPR DAMPER	HW HYDRONIC WATER PUMP	NL NIGHT LIGHT	TR TAMPER RESISTANT
AFS ABOVE FINISHED FLOOR	DWS SAFETY DISCONNECT SWITCH	IC INTERRUPTING CAPACITY	NF NORMAL POWER FACTOR	TSTAT THERMOSTAT
AFS ABOVE FINISHED GRADE	DT DOUBLE THROW	IG ISOLATED GROUND	NPE NOT TO SCALE	TV TELEVISION
AFI ARC FAULT CIRCUIT INTERRUPTER	DS DRAWING	IMC INFORMATIONAL METAL CONDUIT	OH OVERHEAD	TVC TELEVISION TERMINAL CABINET
AHU AIR HANDLING UNIT	EC ELECTRICAL CONTRACTOR	INCD INCANDESCENT	OL OVERLOADS	TYP TYPICAL
AL ALUMINUM	ELE ELEVATOR	IR INFORMED	PA PUBLIC ADDRESS	UB UNDER COUNTER
ALT ALTERNATE	EM EMERGENCY	IW INTERLOCK WITH	PE PEDESTAL	UG UNDERGROUND ELECTRICAL
AMP AMPERE	EMS ENERGY MANAGEMENT SYSTEM	JBOX JUNCTION BOX	PF POWER FACTOR	UH UNIT HEATER
AMPL AMPLIFIER	EMT ELECTRICAL METAL TUBING	KV KILOVOLT	PH PHASE	UL UNDERGROUND TELEPHONE
ANNU ANNUNCIATOR	EQU EQUIPMENT	KVA KILOVOLT-AMPERE	PI POST INDICATING VALVE	UTL UTILITY
APPROX APPROXIMATELY	EQU EQUIPMENT	KWH KILOWATT HOUR	PNL PANEL	UV UNIT VENTILATOR OR ULTRAVIOLET
ARCH ARCHITECT, ARCHITECTURAL	EWC ELECTRIC WATER COOLER	KVAR KILOVOLT-AMPERE REACTIVE	PR PRIMARY	V VOLT
AS AIR SWITCH	COORDINATE REPT LOCATION WITH MECHANICAL CONTRACTOR	KWH KILOWATT HOUR	PROJ PROJECTION	VA VOLT-AMPERES
AT AMP TRIP	LOC LOCATE OR LOCATION	LT LIGHTING	PRV POWER ROOF VENTILATOR	VDI VIDEO DISPLAY TERMINAL
AUX AUXILIARY	LT LIGHT	LTG LIGHTING	PT POTENTIAL TRANSFORMER	VERT VERTICAL
AUTO AUTOMATIC	LTG LIGHTING	LV LOW VOLTAGE	PVC POLYVINYL CHLORIDE (CONDUIT)	VFD VARIABLE FREQUENCY DRIVE
AUT AUTOMATIC TRANSFER SWITCH	LV LOW VOLTAGE	MAX MAXIMUM	PWR POWER	VOL VOLUME
AUTO AUTOMATIC	FA FIRE ALARM	MAGS MAGNETIC STARTER	QUAN QUANTITY	W WATT
AV AUDIO VISUAL	FAB FIRE ALARM BOOSTER POWER	MCC MECHANICAL CONTRACT	RC RETRACTABLE CORD REEL	WI WITH
AWG AMERICAN WIRE GAUGE	FACP FIRE ALARM CONTROL PANEL	MCCB MCCB	RCP RECEPTACLE	WG WIRE GUARD
BATT BATTERY	FAN FAN COOL UNIT	MCCB MCCB	REQ REQUIRED	WH WATER HEATER
BD BOARD	FIR FLOOR	MCCB MCCB	RFD RECEPTACLE	WID WITHOUT
BLDG BUILDING	FIX FIXTURE	MCCB MCCB	RM ROOM	WIP WEATHERPROOF
BMS BUILDING MANAGEMENT SYSTEM	FLR FLOOR	MCCB MCCB	RSC ROOF STEEL CONDUIT	WTR WATER
C CONDUIT	FLU FLOOR FLUORESCENT	MCCB MCCB	RTU ROOF TOP UNIT	X TRANSFORMER
CAB CABINET	FUS FUSE	MCCB MCCB	SC SURFACE CONDUIT	Y SECONDARY
CAT CATALOG	FUS FUSED SAFETY DISCONNECT SWITCH	MCCB MCCB	SEC SHEET	Z ANGLE
CTV CABLE TELEVISION	GAL GALVANIZED	MCCB MCCB	SH SHEET	AT AT
CB CIRCUIT BREAKER	GEN GENERAL CONTRACTOR	MCCB MCCB	SM SIMILAR	SP SOLID NEUTRAL SPECIFICATION
CCTV CLOSED CIRCUIT TELEVISION	GEN GENERAL CONTRACTOR	MCCB MCCB	SN SOLID NEUTRAL SPECIFICATION	SPR SPEAKER
OKT CIRCUIT	GEN GENERAL CONTRACTOR	MCCB MCCB	SP SPARE	SR SURFACE RACEWAY
CLG CEILING	GEN GENERAL CONTRACTOR	MCCB MCCB	SR SURFACE RACEWAY	SS STAINLESS STEEL
COMB COMBINATION	GEN GENERAL CONTRACTOR	MCCB MCCB	SS STAINLESS STEEL	SST STAINLESS STEEL
COMP COMPRESSOR	GEN GENERAL CONTRACTOR	MCCB MCCB	SST STAINLESS STEEL	SSW SELECTOR SWITCH
CONN CONNECTION	GEN GENERAL CONTRACTOR	MCCB MCCB	SST STAINLESS STEEL	SSW STOP/START PUSHBUTTONS
CONSTR CONSTRUCTION	GEN GENERAL CONTRACTOR	MCCB MCCB	SST STAINLESS STEEL	STA STATION
CONT CONTRADICTION OR CONTINUOUS	GEN GENERAL CONTRACTOR	MCCB MCCB	SST STAINLESS STEEL	STD STANDARD
CONTR CONTRACTOR	GEN GENERAL CONTRACTOR	MCCB MCCB	SST STAINLESS STEEL	
CONV CONVECTOR	GEN GENERAL CONTRACTOR	MCCB MCCB	SST STAINLESS STEEL	
CP CIRCULATING PUMP	GEN GENERAL CONTRACTOR	MCCB MCCB	SST STAINLESS STEEL	
CRT CATHODE RAY TUBE	GEN GENERAL CONTRACTOR	MCCB MCCB	SST STAINLESS STEEL	
CT CENTER	GEN GENERAL CONTRACTOR	MCCB MCCB	SST STAINLESS STEEL	
CU COPPER	GEN GENERAL CONTRACTOR	MCCB MCCB	SST STAINLESS STEEL	

ELECTRICAL SYMBOL LEGEND

HT AFF	SYMBOL	DESCRIPTION	HT AFF	SYMBOL	DESCRIPTION
AS NOTED		SURFACE LIGHT (TYPE DENOTED)	AS NOTED		MULTIOUTLET ASSEMBLY (TYPE DENOTED)
AS NOTED		WALL MOUNTED FLOODLIGHT (TYPE DENOTED)	AS NOTED		CLOCK (TYPE DENOTED)
PER SCHED		POLE MOUNTED LIGHT (TYPE DENOTED)	AS NOTED		CIRCUIT BREAKER PANEL
PER SCHED		POLE MOUNTED FLOODLIGHT (TYPE DENOTED)	AS NOTED		SPECIAL CABINET (TYPE DENOTED)
AS NOTED		SUSPENDED LIGHT (TYPE DENOTED)	AS NOTED		TRANSFORMER (TYPE DENOTED)
AS NOTED		RESEGGED LIGHT (TYPE DENOTED)	AS NOTED		MANUAL WTR STR (W/OVERLOADS)
AS NOTED		STRIP LIGHT (TYPE DENOTED)	AS NOTED		MMS MOTOR STARTER (NON-FUSED)
AS NOTED		TRACK AND TRACK LIGHT (TYPES DENOTED)	AS NOTED		COMB MOTOR STARTER (FUSED)
AS NOTED		EMERGENCY BATTERY LIGHT (TYPE DENOTED)	AS NOTED		COMB MOTOR STARTER (FUSED)
AS NOTED		EXIT SIGN (TYPE DENOTED)	AS NOTED		SAFETY DISC. SW. (NON-FUSED)
AS NOTED		LIGHT FIXTURE ON (EM) LIFE SAFETY BRANCH	AS NOTED		SAFETY DISC. SW. (FUSED)
AS NOTED		LIGHT FIXTURE ON (EM) CRITICAL BRANCH	AS NOTED		BUS DUCT WITH PLUG UN DISCONNECT (FUSED)
AS NOTED		LIGHT FIXTURE ON EMERGENCY CIRCUIT	AS NOTED		VARIABLE FREQUENCY DRIVE
AS NOTED		LIGHT FIXTURE ON EMERGENCY BALLAST	AS NOTED		RELAY
AS NOTED		LIGHT ON CORD REEL (TYPE DENOTED)	AS NOTED		OCCUPANCY SENSOR - TYPE DENOTED
AS NOTED		LIGHTING CHANNEL WIRE (TYPE DENOTED)	AS NOTED		PHOTOCELL
AS NOTED		SINGLE POLE SW.	AS NOTED		TIME CONTROL SWITCH (TIME SWITCH)
AS NOTED		2 POLE SINGLE THROW SW.	AS NOTED		HUMIDISTAT
AS NOTED		3-WAY SW.	AS NOTED		THERMOSTAT
AS NOTED		4-WAY SW.	AS NOTED		HAND OR HAIR DRYER (TYPE DENOTED)
AS NOTED		KEYPAD SW.	AS NOTED		TELEPHONE OUTLET (TYPE DENOTED)
AS NOTED		DIMMER SWITCH	AS NOTED		WALL TELEPHONE OUTLET (TYPE DENOTED)
AS NOTED		OCCUPANCY SENSOR SWITCH	AS NOTED		TELESON OUTLET (TYPE DENOTED)
AS NOTED		TIMER SWITCH	AS NOTED		WIRELESS ACCESS POINT
AS NOTED		MOTOR HORSEPOWER RATED SWITCH	AS NOTED		INTERCOM OUTLET LOCATION
AS NOTED		SINGLE RECEPT.	AS NOTED		TELEVISION OUTLET
AS NOTED		DUPLEX RECEPT.	AS NOTED		AV OUTLET - SEE SPECIFICATIONS
AS NOTED		SPLIT DUPLEX RECEPT.	AS NOTED		USB DUPLEX SERVICE OUTLET (TYPE DENOTED)
AS NOTED		DUPLEX RECEPT. ON EMERGENCY CIRCUIT	AS NOTED		FLOOR BOX, TWO DEVICES (TYPE DENOTED)
AS NOTED		FOURPLEX RECEPT.	AS NOTED		FLOOR BOX, FOUR DEVICES (TYPE DENOTED)
AS NOTED		FOURPLEX RECEPT. ON EMERGENCY CIRCUIT	AS NOTED		DICTIONARY OUTLET LOCATION
AS NOTED		DUPLEX RECEPT. ISOLATED GROUND.	AS NOTED		WALL DICTIONARY OUTLET LOCATION
AS NOTED		FOURPLEX RECEPT. ISOLATED GROUND.	AS NOTED		BELL
AS NOTED		DEAD FRONT GFCI DEVICE	AS NOTED		BUZZER
AS NOTED		SPECIAL RECEPT. OR CONN. (SEE SCHEDULE)	AS NOTED		CHIME
AS NOTED		JUNCTION BOX	AS NOTED		PUSH BUTTON
AS NOTED		DUPLEX FLOOR RECEPT.	AS NOTED		SPEAKER (WALL OR CEILING MT.)
AS NOTED		FOURPLEX FLOOR RECEPT.	AS NOTED		HORN (TYPE DENOTED)
AS NOTED		DUPLEX CEILING RECEPT.	AS NOTED		VOLUME CONTROL
AS NOTED		FOURPLEX CEILING RECEPT.	AS NOTED		MICROPHONE OUTLET
AS NOTED		RECEPT ON CORD DROP (DUPLEX SHOWN)	AS NOTED		AUXILIARY OUTLET
AS NOTED		RECEPT ON CORD REEL (DUPLEX SHOWN)	AS NOTED		ANTENNA
ALL DISTANCES ARE TO CENTER OF DEVICE OR EQUIPMENT UNLESS OTHERWISE NOTED.					

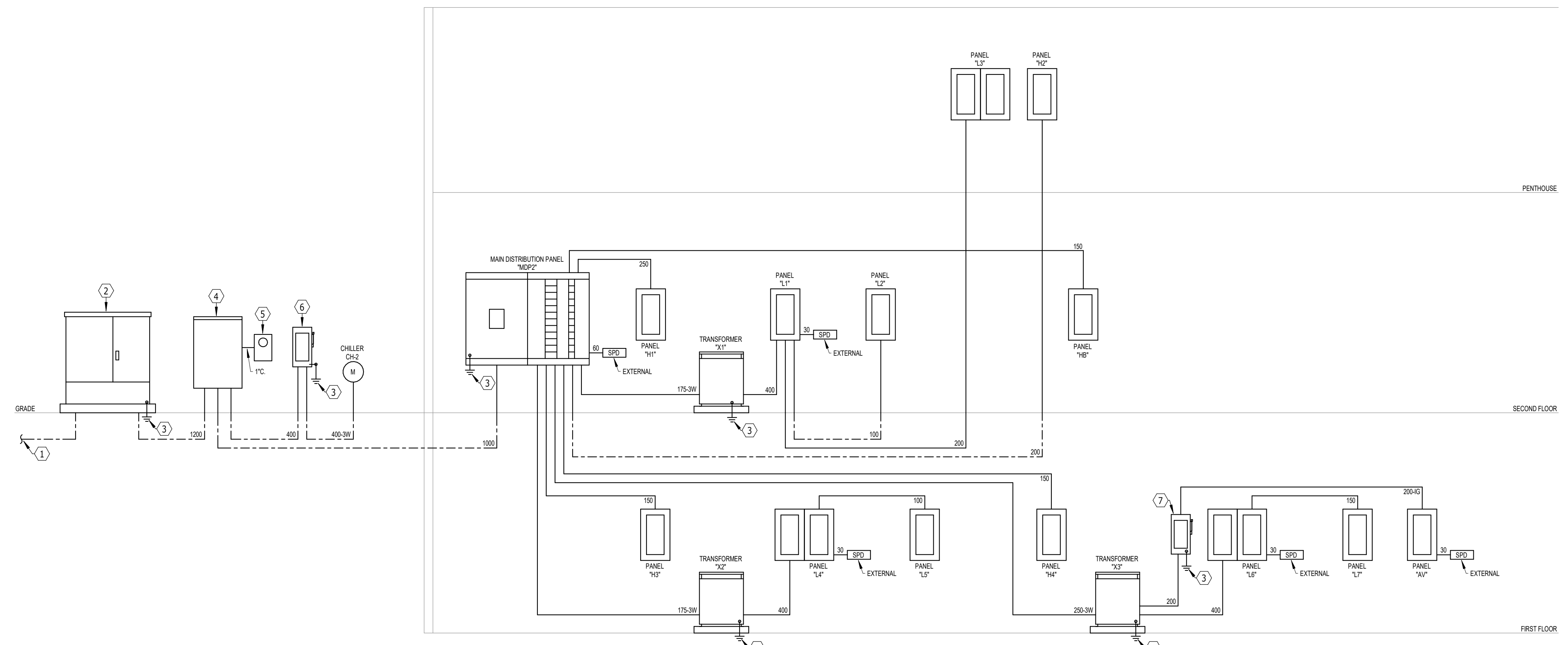
TRANSFORMER SCHEDULE

MARK	VOLTAGE CHARACTERISTICS		KVA	NOTES
	PRIMARY	SECONDARY		
X1	480/3/2	208/120/3/2	112.5	1
X2	480/3/2	208/120/3/2	112.5	1
X3	480/3/2	208/120/3/2	150	1

NOTES:
1. GENERAL PURPOSE DRY-TYPE TRANSFORMER.

ELECTRICAL NOTES

- PRIMARY BY UTILITY. COORDINATE RACEWAY REQUIREMENTS WITH UTILITY. TRANSFORMER BY UTILITY. PAD BY ELECTRICAL CONTRACTOR (EC).
- GROUNDING IN ACCORDANCE WITH THE NEC, LOCAL CODE REQUIREMENTS, AND SPECIFICATIONS.
- 1200A CT CABINET BY EC.
- METER BY UTILITY. METER SOCKET BY EC.
- MAIN DISCONNECT SWITCH "MDS-CH-2", 400A/3P, NEMA 3R. FUSE AT 400A.
- DISCONNECT SWITCH "DS-AV", 200A/3P. FUSE AT 200A.



POWER RISER DIAGRAM
NO SCALE

MARK (AMPS)	FEEDER SCHEDULE													
	4-WIRE FEEDER				3-WIRE FEEDER				"K" RATED 4-WIRE FEEDER					
	SETS	PH	GND	C	SETS	PH	GND	C	SETS	PH	N	GND	C	MARK (AMPS)
15	1	14	14	0.75	1	14	14	0.75	1	14	12	14	0.75	15
20	1	12	12	0.75	1	12	12	0.75	1	12	10	12	0.75	20
25	1	10	10	0.75	1	10	10	0.75	1	10	8	10	0.75	25
30	1	10	10	0.75	1	10	10	0.75	1	10	8	10	0.75	30
35	1	8	10	0.75	1	8	10	0.75	1	8	6	10	0.75	35
40	1	8	10	0.75	1	8	10	0.75	1	8	4	10	0.75	40
45	1	6	10	1.00	1	6	10	0.75	1	6	4	10	1.00	45
50	1	6	10	1.00	1	6	10	0.75	1	6	3	10	1.00	50
60	1	6	10	1.00	1	6	10	0.75	1	6	3	10	1.00	60
70	1	4	8	1.25	1	4	8	1.00	1	4	1/0	8	1.25	70
80	1	4	8	1.25	1	4	8	1.00	1	4	1/0	8	1.25	80
90	1	3	8	1.25	1	3	8	1.25	1	3	2/0	8	1.25	90
100	1	3	8	1.25	1	3	8	1.25	1	3	2/0	8	1.25	100
110	1	2	6	1.25	1	2	6	1.25	1	2	3/0	6	1.50	110
125	1	1	6	1.50	1	1	6	1.25	1	1	4/0	6	2.00	125
150	1	1/0	6	2.00	1	1/0	6	2.00	1	1/0	300	6	2.00	150
175	1	2/0	6	2.00	1	2/0	6	2.00	1	2/0	350	6	2.00	175
200	1	3/0	6	2.00	1	3/0	6	2.00	1	3/0	500	6	2.50	200
225	1	4/0	4	2.50	1	4/0	4	2.00	1	4/0	2-3/0	4	2.50	225
250	1	250	4	2.50	1	250	4	2.50	1	250	2-4/0	4	2.50	250
300	1	350	4	3.00	1	350	4	2.50	1	350	2-300	4	3.00	300
350	1	500	3	3.00	1	500	3	3.00	1	500	2-400	3	3.50	350
400	2	3/0	3	2.00	2	3/0	3	2.00	2	3/0	500	3	2.50	400
450	2	4/0	2	2.50	2	4/0	2	2.00	2	4/0	2-3/0	2	2.50	450
500	2	250	2	2.50	2	250	2	2.50	2	250	2-4/0	2	2.50	500
600	2	350	1	3.00	2	350	1	2.50	2	350	2-350	1	3.00	600
700	2	500	1/0	3.00	2	500	1/0	3.00	2	500	2-400	1/0	3.50	700
800	3	300	1/0	2.50	3	300	1/0	2.50	3	300	2-4/0	1/0	3.00	800
900	3	350	2/0	3.00	3	350	2/0	2.50	3	350	2-300	2/0	3.00	900
1000	3	400	2/0	3.00	3	400	2/0	2.50	3	400	2-350	2/0	3.00	1000
1200	4	350	3/0	3.00	4	350	3/0	2.50	4	350	2-300	3/0	3.00	1200
1600	5	400	4/0	3.00	5	400	4/0	2.50	5	400	2-350	4/0	3.00	1600
2000	6	400	250	3.00	6	400	250	3.00	6	400	2-350	250	3.50	2000
2500	7	500	350	3.50										

EQUIPMENT SCHEDULE FOR HS ADDITION, BAL TIC SD ACEI Project #: 122033

NO.	DESCRIPTION	KW	HP	MCA	VOLTS	PH	NOTES
1	CHILLER CH-2	-	-	381	460	3	1
2	AIR HANDLING UNIT AHU-1	-	2 @ 25	-	460	3	2.3
3	AHU-2	-	15	-	460	3	2.3
4	AHU-3	-	15	-	460	3	2.3
5	AHU-4	-	3	-	460	3	2.3
6	AHU-5	-	7.5	-	460	3	2.3
7	BLOWER COIL UNIT BCU-1	-	1.5	-	460	3	9
8	BCU-2	-	1.5	-	460	3	9
9	DUST COLLECTOR DC-1	-	15, 14	-	460	3	12
10	BOILER B-2	3	-	-	460	3	6.8
11	BOILER B-3	3	-	-	460	3	6.8
12	MAKE-UP AIR UNIT MUA-H102	-	5	19.9	460	3	9
13	PRIMARY HTG PUMP P-1	-	2	-	480	3	5
14	PRIMARY HTG PUMP P-2	-	2	-	480	3	5
15	PRIMARY HTG PUMP P-3	-	2	-	480	3	5
16	SECONDARY HTG PUMP P-4	-	20	-	480	3	5
17	SECONDARY HTG PUMP P-5	-	20	-	480	3	5
18	RECIRC PUMP P-6	-	0.4	-	120	1	6
19	IN-FLOOR PUMP P-7	27	-	-	120	1	6
20	IN-FLOOR PUMP P-8	27	-	-	120	1	6
21	IN-FLOOR PUMP P-9	27	-	-	120	1	6
22	PRIMARY CHILLED PUMP P-10	-	20	-	480	3	5
23	SECONDARY CHILLED PUMP P-11	-	20	-	480	3	5
24	SLMP PUMP P-12	-	0.4	-	120	1	7
25	SLMP PUMP P-13	-	0.4	-	120	1	14
26	ENERGY RECOVERY VENTILATOR ERV-1	-	7.5	-	460	3	3.16
27	FAN POWERED VAV FF-E100	-	1/2	-	277	1	9
28	FP-E101A	-	1	-	277	1	3.9
29	FP-E101B	-	1	-	277	1	3.9
30	FP-E101C	-	1	-	277	1	3.9
31	FP-E101D	-	1/2	-	277	1	9
32	FP-E106	-	1/4	-	277	1	9
33	FP-E107	-	1/4	-	277	1	9
34	FP-F109	-	1/2	-	277	1	9
35	FP-F110	-	1/2	-	277	1	9
36	FP-F111	-	1/2	-	277	1	9
37	FP-F114	-	1/8	-	277	1	9
38	FP-F130	-	1/4	-	277	1	9
39	FP-G101	-	3/4	-	277	1	9
40	FP-G108	-	1/2	-	277	1	9
41	FP-G112	-	1/2	-	277	1	9
42	FP-G114	-	1/2	-	277	1	9
43	FP-G115	-	3/4	-	277	1	9
44	FP-H106	-	1/4	-	277	1	9
45	FP-H111	-	3/4	-	277	1	9
46	FP-H112	-	1/8	-	277	1	9
47	FP-H121	-	3/4	-	277	1	9
48	FP-F204	-	3/4	-	277	1	9
49	FP-F206	-	1/2	-	277	1	9
50	FP-F207	-	1/2	-	277	1	9
51	FP-G200	-	1/2	-	277	1	9
52	FP-G205	-	1	-	277	1	3.9
53	FP-G207	-	1/2	-	277	1	9
54	FP-G208	-	1/2	-	277	1	9
55	FP-G211	-	1/2	-	277	1	9
56	FP-G213	-	1/2	-	277	1	9
57	FP-G214	-	1/2	-	277	1	9
58	FP-G219	-	1/2	-	277	1	9
59	FP-G227	-	1/2	-	277	1	9
60	FP-G229	-	1/4	-	277	1	9
61	FP-G230	-	1/8	-	277	1	9
62	FP-G232	-	1/8	-	277	1	9
63	FP-G112A ALT	-	1/2	-	277	1	9
64	FP-G112B ALT	-	1/2	-	277	1	9
65	FP-G112A ALT	-	3/4	-	277	1	9
66	FP-G205A ALT	-	1	-	277	1	3.9
67	FP-G211A ALT	-	1/2	-	277	1	9
68	EXHAUST FAN EF-E103	-	1/2	-	120	1	9
69	EF-E106	-	1/6	-	120	1	9
70	EF-E107	-	1/6	-	120	1	9
71	EF-F105	0.28	-	-	120	1	9
72	EF-F109A	0.80	-	-	120	1	9
73	EF-F204	-	1/4	-	120	1	13
74	EF-G112	-	1/4	-	120	1	9
75	EF-G112A	-	1/4	-	120	1	9.13
76	EF-G113	-	1/10	-	120	1	9
77	EF-G114	-	1/4	-	120	1	9
78	EF-G216	-	3/4	-	120	1	9
79	EF-H102	-	5	-	460	3	9
80	EF-H108	-	3/4	-	120	1	13
81	EF-H110	-	1/2	-	120	1	9
82	TRANSFER FAN TF-F209	-	3	-	460	3	2
83	RELIEF FAN RF-E110	-	3	-	460	3	2
84	CABINET UNIT HEATER CUH-G100	-	1/10	-	120	1	9
85	CUH-H100	-	1/10	-	120	1	9
86	UNIT HEATER UH-F210	.02	-	-	120	1	9
87	UH-F211	-	1/12	-	120	1	9
88	UH-H101	.02	-	-	120	1	9
89	UH-PENT 1	-	1/12	-	120	1	9
90	AIR COMPRESSOR AC-1	-	5	-	208	1	15
91	AC-2	-	5	-	208	1	15

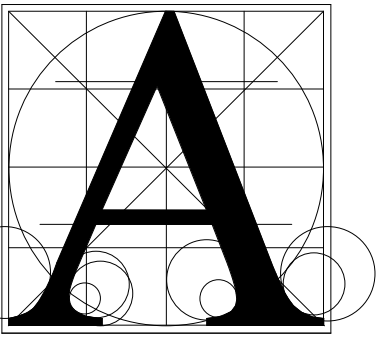
NOTES:

1. PROVIDE A NEMA 3R MAIN FUSED DISCONNECT SWITCH "MDS-CH" (FUSE AT 400A) AND CONNECTION TO CHILLER CONTROL BY MECHANICAL CONTRACTOR (MC).
2. PROVIDE CONNECTION TO VFD/DISCONNECT AND UNIT. VFD/DISCONNECT AND CONTROL BY MC.
3. INTERLOCK UNIT WITH FIRE ALARM SYSTEM FOR SHUTDOWN UPON ALARM.
4. NOT USED.
5. PROVIDE CONNECTION TO VFD/DISCONNECT AND PUMP. VFD/DISCONNECT AND CONTROL BY MC.
6. PROVIDE A MANUAL MOTOR STARTER WITH THERMAL OVERLOAD CONTROL BY MC.
7. PROVIDE POWER CONNECTION TO CONTROL PANEL/DISCONNECT AND CONNECTION TO PUMP(S) AND FLOAT SWITCHES. COORDINATE INSTALLATION WITH MC.
8. INTERLOCK "BOILER EMERGENCY OFF" PUSHBUTTON SWITCH WITH SHUNT TRIP CIRCUIT BREAKER IN PANELBOARD.
9. PROVIDE A SINGLE POINT POWER CONNECTION. DISCONNECT AND CONTROL BY MC.
10. PROVIDE A NEMA 3R NON-FUSED DISCONNECT SWITCH.
11. PROVIDE A MANUAL MOTOR STARTER WITH THERMAL OVERLOAD.
12. PROVIDE CONNECTION TO CONTROL PANEL/DISCONNECT AND CONNECTION TO NEMA 3R NON-FUSED DISCONNECT SWITCHES AT BLOWER MOTOR (15HP) AND SHAKER MOTOR (1/4HP).
13. PROVIDE PILOT LIGHT SWITCH FOR CONTROL. DISCONNECT AT FAN BY MC.
14. PROVIDE RECEPTACLE FOR CORD AND PLUG.
15. PROVIDE A FUSED DISCONNECT SWITCH.
16. PROVIDE CONNECTION TO FACTORY PROVIDED WHEEL VFD/MOTOR (1HP). CONNECTION TO VFD AND SUPPLY FAN (7.9HP). AND CONNECTION TO RETURN FAN (9HP). VFD/DISCONNECTS AND CONTROL BY MC.

LIGHTING FIXTURE SCHEDULE ACEI Project No: 122033

TYPE	MFR.	NUMBER	LAMPS	VOLTS	DESCRIPTION	NOTES
A	COLUMBIA METALLUX LITHONIA	EQUAL 24CGTS-NUV	LED/4000K	277	LED, 2X4" RECESSED FLAT PANEL BACKLIT, SELECTABLE LUMENS AND COLOR TEMP. SET TO 4300 LUMENS/40K.	
AE	COLUMBIA METALLUX LITHONIA	EQUAL 24CGTS-NUV-EL14W	LED/4000K	277	SAME AS TYPE "A" EXCEPT EMERGENCY BACKUP.	
AF	COLUMBIA METALLUX LITHONIA	EQUAL 24CGTS-NUV-DF-24W U	LED/4000K	277	SAME AS TYPE "A" EXCEPT FLANGE MOUNT.	
A1	COLUMBIA METALLUX LITHONIA	EQUAL 24CGTS-NUV	LED/4000K	277	SAME AS TYPE "A" EXCEPT SET TO 4800 LUMENS/40K.	
A1E	COLUMBIA METALLUX LITHONIA	EQUAL 24CGTS-NUV-EL14W	LED/4000K	277	SAME AS TYPE "A1" EXCEPT EMERGENCY BACKUP.	
A1F	COLUMBIA METALLUX LITHONIA	EQUAL 24CGTS-NUV-DF-24W U	LED/4000K	277	SAME AS TYPE "A" EXCEPT FLANGE MOUNT.	
A2	COLUMBIA METALLUX LITHONIA	EQUAL 24CGTS-NUV	LED/4000K	277	SAME AS TYPE "A" EXCEPT SET TO 5900 LUMENS/40K.	
A2E	COLUMBIA METALLUX LITHONIA	EQUAL 24CGTS-NUV-EL14W	LED/4000K	277	SAME AS TYPE "A2" EXCEPT EMERGENCY BACKUP.	
A3	COLUMBIA METALLUX LITHONIA	EQUAL 22CGTS-NUV	LED/4000K	277	LED, 2X2" RECESSED FLAT PANEL BACKLIT, SELECTABLE LUMENS AND COLOR TEMP. SET TO 4300 LUMENS/40K.	
C	COLUMBIA DAY-BRITE METALLUX	EQUAL OWL-4-50L-840-UNV	LED/4000K	277	LED, 4" SURFACE WRAP AROUND, ACRYLIC LENS, APPROXIMATELY 5000 LUMENS.	
CE	COLUMBIA DAY-BRITE METALLUX	EQUAL OWL-4-50L-840-UNV-EMLED	LED/4000K	277	SAME AS TYPE "C" EXCEPT EMERGENCY BACKUP.	
D	MERCURY LUMAX	LIW144-50-35K-HTA-UNI-SRA-ACXX	LED/4000K	277	LED, INDUSTRIAL FIXTURE, CABLE HUNG, APERTURE REFLECTORS, APPROXIMATELY 5000 LUMENS.	
DE	MERCURY LUMAX	LIW144-50-35K-HTA-UNI-SRA-ACXX-EM12	LED/4000K	277	SAME AS TYPE "D" EXCEPT EMERGENCY BACKUP.	1,2
D1	MERCURY LUMAX	LIW144-76-35K-HTA-UNI-SRA-ACXX	LED/4000K	277	SAME AS TYPE "D" EXCEPT APPROXIMATELY 7800 LUMENS.	2
D1E	MERCURY LUMAX	LIW144-76-35K-HTA-UNI-SRA-ACXX-EM12	LED/4000K	277	SAME AS TYPE "D1" EXCEPT EMERGENCY BACKUP.	1,2
D2	MERCURY LUMAX	LIW144-45-40K-HTA-UNI	LED/4000K	120/277	SAME AS TYPE "D" EXCEPT WALL MOUNTED, NO REFLECTOR, AND 4500 LUMENS.	
D2E	MERCURY LUMAX	LIW144-45-40K-HTA-UNI-EM12	LED/4000K	UNIV	SAME AS TYPE "D1" EXCEPT EMERGENCY BACKUP.	
E	SURE-LITES DUAL-LITE LIGHTALARMS PATHWAY	EQUAL SESRBE-I	INCLUDED	277	LED EXIT LIGHT, SINGLE STENCIL FACE, RED LETTERS, BLACK HOUSING WITH BRUSHED ALUMINUM FACE, SELF-TESTING/SELF-DIAGNOSTIC ELECTRONICS, DIRECTIONAL ARROWS AND MOUNTING AS INDICATED.	
EB	SURE-LITES DUAL-LITE LIGHTALARMS PATHWAY	EQUAL SESGBE-I	INCLUDED	277	SAME AS TYPE "E" EXCEPT GREEN LETTERS, BLACK HOUSING.	
E1	SURE-LITES DUAL-LITE LIGHTALARMS EMERGLITE	EQUAL SEDRBE-I	INCLUDED	277	SAME AS TYPE "E" EXCEPT DOUBLE FACE.	
E2	EMERGLITE DUAL-LITE SURE-LITES	EQUAL L22-I	INCLUDED	277	EMERGENCY LIGHTING UNIT, WHITE THERMO-PLASTIC HOUSING.	
E3	EMERGLITE DUAL-LITE LIGHTALARMS MULE	EQUAL L1TUR-I	INCLUDED	277	LED EXIT LIGHT/EMERGENCY TANDEM UNIT, SINGLE STENCIL FACE, RED LETTERS, WHITE THERMOPLASTIC HOUSING, DIRECTIONAL ARROWS AND MOUNTING AS INDICATED, SELF-TESTING/SELF-DIAGNOSTIC ELECTRONICS.	2
E4	EMERGLITE DUAL-LITE LIGHTALARMS MULE	EQUAL L1TUR-3-I	INCLUDED	277	SAME AS TYPE "E3" EXCEPT REMOTE CAPACITY.	2
E5	EMERGLITE DUAL-LITE LIGHTALARMS MULE	EQUAL OOR-S-2-0605	INCLUDED		REMOTE HEAD, DIE-CAST ALUMINUM, DARK BRONZE FINISH.	
E6	ASTRALITE EMERGLITE LIGHTALARMS	EQUAL BZ-LUX-SD-CW	INCLUDED	277	LED EXTERIOR EMERGENCY LUMINAIRE, SELF-DIAGNOSTICS, COLD WEATHER OPTION.	
F	COLUMBIA DAY-BRITE WILLIAMS	EQUAL DWAES1L840-4-UNV	LED/4000K	277	4" LED VAPORITE FIXTURE, SINGLE PIECE MOLDED FIBERGLASS HOUSING ACRYLIC LENS, STAINLESS STEEL MOUNTING HARDWARE. APPROXIMATELY 5100 LUMENS.	
FE	COLUMBIA DAY-BRITE WILLIAMS	EQUAL DWAES1L840-4-UNV-EMLED	LED/4000K	277	SAME AS TYPE "F" EXCEPT EMERGENCY BACKUP.	
G	STONCO HUBBELL	VWXL-14-NW-G1-8	LED/4000K	277	INCANDESCENT, WALL MOUNT VAPORPROOF FIXTURE, LEXAN GLOBE, 60 WATT MAX WATTAGE LABEL, LED, 4" RECESSED ROUND DOWNLIGHT, WIDE DISTRIBUTION, APPROXIMATELY 2000 LUMENS.	
H	PORTFOLIO ELITE	HH4-LED-200L-DIM10-MVOLT-MD-40K-90HH4-4501-SHZ-WH	LED/4000K	277	LED, 4" RECESSED ROUND DOWNLIGHT, MEDIUM DISTRIBUTION, APPROXIMATELY 3000 LUMENS, IC RATED, DAMP LOCATION LISTED.	
HC	EQUAL NULITE	NU4-RD-20LM-40K-H40-WHWH-IC-UNV-DIM10	LED/4000K	277	LED, 4" RECESSED ROUND DOWNLIGHT, MEDIUM DISTRIBUTION, APPROXIMATELY 2000 LUMENS, IC RATED, DAMP LOCATION LISTED.	
HE	PORTFOLIO ELITE WILLIAMS	HH4-LED-200L-DIM10-MVOLT-MD-40K-90HH4-4501-SHZ-WH	LED/4000K	277	SAME AS TYPE "H" EXCEPT EMG-LED-10W EMERGENCY BACKUP.	
H1	PORTFOLIO ELITE WILLIAMS	HH4-LED-2500L-DIM10-MVOLT-MD-40K-90HH4-4501-SHZ-WH	LED/4000K	277	SAME AS TYPE "H" EXCEPT APPROXIMATELY 2500 LUMENS.	
H1E	PORTFOLIO ELITE WILLIAMS	HH4-LED-2500L-DIM10-MVOLT-MD-40K-90HH4-4501-SHZ-WH	LED/4000K	277	SAME AS TYPE "H1" EXCEPT EMG-LED-10W EMERGENCY BACKUP.	

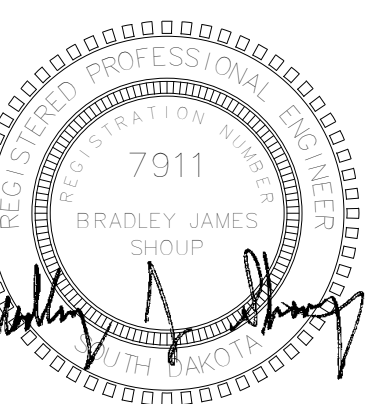
H2	PORTFOLIO ELITE	HH4-LED-3000L-DIM10-MVOLT-MD-40K-90HH4-4501-SHZ-WH	LED/4000K	277	SAME AS TYPE "H" EXCEPT APPROXIMATELY 3000 LUMENS.	
H2C	EQUAL NULITE	NU4-RD-30LM-40K-H40-WHWH-IC-UNV-DIM10	LED/4000K	277	LED, 4" RECESSED ROUND DOWNLIGHT, MEDIUM DISTRIBUTION, APPROXIMATELY 3000 LUMENS, IC RATED, DAMP LOCATION LISTED.	
#H	LEDALITE CORELITE	7705-LABVA-XX-7D-W-S	LED/4000K	277	LED, SUSPENDED LINEAR DIRECT/INDIRECT, SCULPTED ENDCAPS, APPROXIMATELY 6100 LUMENS PER 4".	5,6
JHE	ALERA LEDALITE CORELITE	7705-LABVA-XX-ND-W-S	LED/4000K	277	SAME AS TYPE "H" EXCEPT EMERGENCY BACKUP.	5,6,7
K#H	ALERA LEDALITE CORELITE	7726-LABVA-XX-7D-W-S	LED/4000K	277	LED, SUSPENDED LINEAR DIRECT/INDIRECT, SCULPTED ENDCAPS, APPROXIMATELY 550 LUMENS PER 4".	5,17
K#E	ALERA LEDALITE CORELITE	7726-LABVA-XX-ND-W-S	LED/4000K	277	SAME AS TYPE "K" EXCEPT EMERGENCY BACKUP.	5,7,17
L	FOCAL POINT LIGHTOLIER PRESCOLITE	6RN/P6R5L10840CLPZ10U	LED/4000K	277	LED, 6" RECESSED ROUND DOWNLIGHT, WIDE DISTRIBUTION, UL WET LOCATION, LENSED, APPROXIMATELY 1000 LUMENS.	9,11
M	COLUMBIA DAY-BRITE METALLUX	FBY30L840-UNV-LFA-FBY-WG-HCH10-VHOOK	LED/4000K	277	LED HIGH BAY, APPROXIMATELY 30,000 LUMENS.	2
ME	COLUMBIA DAY-BRITE METALLUX	FBY30L840-UNV-LFA-BSL20F-BY-WG-HCH10-VHOOK	LED/4000K	277	SAME AS TYPE "M" EXCEPT 20W EMERGENCY BACKUP.	2
M1	COLUMBIA DAY-BRITE METALLUX	FBY15L840-UNV-LFA-FBY-WG-HCH10-VHOOK	LED/4000K	277	LED HIGH BAY, APPROXIMATELY 15,000 LUMENS.	1
M1E	COLUMBIA DAY-BRITE METALLUX	FBY15L840-UNV-LFA-BSL20F-BY-WG-HCH10-VHOOK	LED/4000K	277	SAME AS TYPE "M1" EXCEPT EMERGENCY BACKUP.	1
N2	BARTCO	BSS110-2-ND-R-A	LED/4000K	277	LED, ADJUSTABLE COVE MOUNT LUMINAIRE, APPROXIMATELY 640 LUMENS PER FOOT.	
P	PACO	PRTL-24-LED-140-40-L1-MV-DM	LED/4000K	277	LED, RECESSED HIGH BAY, APPROXIMATELY 14,000 LUMENS.	
PE	PACO	PRTL-24-LED-140-40-L1-MV-EM-DM	LED/4000K	277	SAME AS TYPE "P" EXCEPT EMERGENCY BACKUP.	
Q	ABB HAZLUX	XFMLED-S-4K-4-4-UN-PXF-M-4403	LED/4000K	277	LED, HAZARDOUS LOCATION, APPROXIMATELY 6500 LUMENS.	
T	PATHWAY	C68A4LB79V-8040KW-DL8-6PLEDSCLPF-B	LED/4000K	277	LED, CYLINDER HOUSE LIGHT, AIRCRAFT CABLE AND CORD HUNG, BLACK FINISH, WIDE DISTRIBUTION, APPROXIMATELY 8000 LUMENS.	10,11 #VALUE!
TW	PATHWAY	C68A4LB79V-8040KW-DL8-6PLEDSCLPF-B	LED/4000K	277	SAME AS TYPE "T" EXCEPT WALL MOUNTED TO SIDE OF CATWALK, COORDINATE INSTALLATION WITH GC.	9,11
T1	PATHWAY	C68A4LB79V-1040KW-DL8-6PLEDSCLPF-B	LED/4000K	277	SAME AS TYPE "T" EXCEPT APPROXIMATELY 9800 LUMENS.	10,11
T1W	PATHWAY	C68A4LB79V-1040KW-DL8-6PLEDSCLPF-B	LED/4000K	277	SAME AS TYPE "T1" EXCEPT APPROXIMATELY 9800 LUMENS.	12
TA	GARDCO	942L-D-RDG-31LA-CW-277-BLP	LED/4000K	277	AUDITORIUM LED AISLE LIGHT, BLACK FINISH, APPROXIMATELY 360 LUMENS.	
TS	CELESTIAL	GEM-1800-B-4	LED	277	AUDITORIUM LED STEP LIGHTING.	14,15
TT	HALO CON-TECH LITON	EQUAL L18-SERIES TRACK WITH CTL2630-B HEADS	LED/3000K	120	SURFACE MOUNTED LINE VOLTAGE INCANDESCENT TRACK LIGHTING SYSTEM, SINGLE CIRCUIT BLACK TRACK AND HEADS WITH REQUIRED FITTINGS, CONNECTORS, AND HARDWARE.	
V	FAIL-SAFE ECLIPSE KENALL	EQUAL 574-SPL-50W-EBU-4K-WH	LED/4000K	277	4" LED SURFACE MOUNTED VANDAL RESISTANT WRAP, EXTRUDED ALUMINUM HOUSING, DIE-CAST END CAPS, SPL LENS, APPROXIMATELY 5300 LUMENS.	
VE	FAIL-SAFE ECLIPSE KENALL	EQUAL 574-SPL-50W-EBU-4K-WH-RCPN12W	LED/4000K	277	SAME AS TYPE "V" EXCEPT EMERGENCY BACKUP.	
Y	BEACON NLS LIGHTING CREE	NV-W-T3L-32L-7-40K-UNV-WM-BRZ	LED/4000K	277	LED, EXTERIOR WALL MOUNTED FIXTURE, DARK BRONZE FINISH, APPROXIMATELY 9600 LUMENS.	
Y3	BEACON NLS LIGHTING CREE	NV-W-T3L-16L-1-40K-UNV-WM-BRZ	LED/4000K	277	LED, EXTERIOR WALL MOUNTED FIXTURE, DARK BRONZE FINISH, APPROXIMATELY 6400 LUMENS.	
YA	BEACON NLS LIGHTING CREE	NV-I-T3-64L-7-40K-UNV-WM-BRZ	LED/4000K	277	LED, EXTERIOR WALL MOUNT FIXTURE, APPROXIMATELY 16,000 LUMENS.	
Z	BEACON NLS LIGHTING CREE	NV-F1-30-16L-45-40K-UNV-KM-BRZ-NA	LED/4000K	277		



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ACEI PROJ. #122033

DISTRIBUTION PANEL: MDP2
LOCATION: MECHANICAL F211
MOUNTING: SURFACE NEMA 1
MAIN DEVICE: 1000 AMCB
BUS AMPS: 1000 AMPS
SPECIAL: AIC RATING: 35,000 AMPS SYMMETRICAL

CB SIZE		POLES	SPECIAL	DESCRIPTION/NAMEPLATE	NOTES
SECTION NO. 1					
1	250 A	3		PANEL "H1"	
2	200 A	3		PANEL "H2"	
3	150 A	3		PANEL "H3"	
4	150 A	3		PANEL "H4"	
5	175 A	3		TRANSFORMER "X1"	
6	175 A	3		TRANSFORMER "X2"	
7	250 A	3		TRANSFORMER "X3"	
8	150 A	3		AHU-1	
9	60 A	3		22447 VA PUMP "P-10"	
10	60 A	3		22447 VA PUMP "P-11"	
11	150 A	3		59858 VA PANEL "H8"	
12	100 A	3		SPACE	
13	100 A	3		SPACE	
14	100 A	3		SPACE	
15	60 A	3		0 VA SURGE SUPPRESSION	

LOAD SUMMARY		DISTRIBUTION LOAD	CONN. LOAD
		MDP2	733806 VA

LOAD CLASSIFICATION	CONNECTED	DEMAND	ESTIMATED	PANEL TOTALS
Other	1145 VA	100.00%	1145 VA	
MOTORS	330548 VA	100.00%	330548 VA	
RCPT	300667 VA	51.62%	156533 VA	
LITES	78399 VA	125.00%	97999 VA	
SPEC	0 VA	0.00%	0 VA	
HEAT	18574 VA	100.00%	18574 VA	

CONN. LOAD: 733806 VA
EST. DEMAND LOAD: 603528 VA
CONN. CURRENT: 893 A
EST. DEMAND...: 726 A

NOTES:

PANELBOARD: H1
LOCATION: MECHANICAL F211
MOUNTING: SURFACE NEMA 1
MAIN DEVICE: 250 A MLO
BUS AMPS: 250 AMPS
SPECIAL: VOLTAGE: 480Y/277 V, 3 ø 4 W. A.I.C. RATING: 35,000 AMPS SYMMETRICAL

LOAD DESCRIPTION	BKR	POLES	CKT	A	B	C	CKT	POLES	BKR	LOAD DESCRIPTION		
LITES THEATER E100	20 A	1	1	2.4	2.3			2	1	20 A LITES EXTERIOR		
LITES EXTERIOR	20 A	1	3			1.1	3.1	4	1	20 A LITES COMMONS E101		
LITES STOR. F132	20 A	1	5					1.4	1.5	6	1	20 A LITES CORRIDOR F107
LITES "INV-T"	20 A	1	7	1.1	1.8			8	1	20 A LITES CORRIDOR F107		
LITES GYMNASIUM F103	20 A	1	9			1.8	3.0	10	1	20 A LITES GYMNASIUM F103		
LITES CORRIDOR F202	20 A	1	11					3.3	0.5	12	1	20 A LITES THEATER E110
LITES BOYS LOCKER F128	20 A	1	13	2.5	2.3			14	1	20 A LITES BOYS LOCKER F120		
LITES THEATER STOR. E200	20 A	1	15			2.3	2.3	16	1	20 A LITES THEATER E110		
MOTORS FP-H121 & FP-F130	15 A	1	17					18	1	20 A LITES MECHANICAL F211		
MOTORS AHJ-5	30 A	3	19	3.0	1.4			20	3	15 A MOTORS AHJ-4		
			21			3.0	1.4	22				
			23			3.0	1.4	24				
MOTORS TF-F209	15 A	3	25	1.3	1.3			26	3	15 A MOTORS RF-E110		
			27			1.3	1.3	28				
			29					30				
ERV-1 (EXHAUST FAN)	15 A	3	31	2.1	3.0			32	3	25 A ERV-1 (SUPPLY FAN)		
			33			2.1	3.0	34				
			35					2.1	3.0	36		
LITES EXTERIOR BUILDING	20 A	1	37	2.8	5.8			38	3	45 A AHU-3		
Spare	20 A	1	39			0.0	5.8	40				
Spare	20 A	1	41					0.0	5.8	42		
Spare	20 A	1	43	0.0	0.0			44	1	15 A Spare		
Spare	20 A	1	45			0.0	0.0	46	1	15 A Spare		
Spare			47					48	1	Space		
Spare			49					50	1	Space		
Spare			51					52	1	Space		
Spare			53					54	1	Space		
TOTAL LOAD:				32 kVA	31 kVA			28 kVA				
TOTAL AMPS:				119 A	113 A			102 A				

LOAD CLASSIFICATION	CONNECTED	DEMAND	ESTIMATED	PANEL TOTALS
Other	810 VA	100.00%	810 VA	
MOTORS	54844 VA	100.00%	54844 VA	
LITES	35976 VA	125.00%	44970 VA	

CONNECTED LOAD: 91515 VA
ESTIMATED DEMAND: 100493 VA
CONNECTED CURRENT: 110 A
EST. DEMAND CURRENT: 121 A

NOTES:

PANELBOARD: H2
LOCATION: SURFACE NEMA 1
MOUNTING: SURFACE NEMA 1
MAIN DEVICE: 200 A MLO
BUS AMPS: 200 AMPS
SPECIAL: VOLTAGE: 480Y/277 V, 3 ø 4 W. A.I.C. RATING: 18,000 AMPS SYMMETRICAL

LOAD DESCRIPTION	BKR	POLES	CKT	A	B	C	CKT	POLES	BKR	LOAD DESCRIPTION		
LITES STORAGE G103	20 A	1	1	1.0	3.1			2	1	20 A LITES CLASSROOM G115		
LITES RESOURCE G214	20 A	1	3			3.1	3.3	4	1	20 A LITES MENS G217		
LITES GIRLS G108	20 A	1	5					2.1	2.2	6	1	20 A LITES CORRIDOR G201
LITES HALL G219A	20 A	1	7	3.1	1.7			8	1	15 A MOTORS FP-G115 & FP-G101		
MOTORS FP-G112 & FP-G114	15 A	1	9			1.4	1.4	10	1	15 A MOTORS FP-G108		
MOTORS FP-G112A & FP-G128	15 A	1	11					12	1	15 A MOTORS FP-F207 & FP-G214		
MOTORS FP-G219 & FP-G229	15 A	1	13	1.1	1.3			1.7	1.4	14	1	15 A MOTORS FP-G227, G230, G232
MOTORS FP-G200	15 A	1	15			0.7	2.5	16	1	15 A MOTORS FP-G205 & FP-G213		
MOTORS FP-G211 & FP-G211A	15 A	1	17					1.4	1.7	18	1	15 A MOTORS FP-G205A
MOTORS FP-G207 & FP-G208	15 A	1	19			1.4	5.8	20	3	45 A MOTORS AHU-2		
LITES LEARNING CENTER G205	20 A	1	21			3.6	5.8	22				
LITES LEARNING CENTER G101	20 A	1	23					3.1	5.8	24		
Spare	20 A	1	25	0.0	0.0			26	1	15 A Spare		
Spare	20 A	1	27			0.0	0.0	28	1	15 A Spare		
Spare	20 A	1	29					0.0	0.0	30	1	15 A Spare
Spare			31					32	1	Space		
Spare			33					34		Space		
Spare			35					36		Space		
Spare			37					38	1	Space		
Spare			39					40	1	Space		
Spare			41					42	1	Space		
TOTAL LOAD:				18 kVA	21 kVA			19 kVA				
TOTAL AMPS:				64 A	76 A			68 A				

LOAD CLASSIFICATION	CONNECTED	DEMAND	ESTIMATED	PANEL TOTALS
MOTORS	33591 VA	100.00%	33591 VA	
LITES	24538 VA	125.00%	30672 VA	

CONNECTED LOAD: 57537 VA
ESTIMATED DEMAND: 63594 VA
CONNECTED CURRENT: 69 A
EST. DEMAND CURRENT: 76 A

NOTES:

PANELBOARD: H3
LOCATION: TOOLS-1 H104-1
MOUNTING: SURFACE NEMA 1
MAIN DEVICE: 150 A MLO
BUS AMPS: 150 AMPS
SPECIAL: VOLTAGE: 480Y/277 V, 3 ø 4 W. A.I.C. RATING: 18,000 AMPS SYMMETRICAL

LOAD DESCRIPTION	BKR	POLES	CKT	A	B	C	CKT	POLES	BKR	LOAD DESCRIPTION		
LITES BAND H111	20 A	1	1	4.4	2.7			2	1	20 A LITES TOOLS H104		
LITES METAL H102	20 A	1	3			1.7	1.9	4	1	20 A LITES WOOD H110		
MOTORS MUA-H102	25 A	3	5			5.0	5.0	6	3	40 A MOTORS DC-1		
			7	5.0	5.0			8				
			9					10				
MOTORS BCU-1 & BCU-2	15 A	3	11			5.0	5.0	1.7	0.4	12	1	15 A MOTORS FP-H106
			13	1.7	2.1			14	1	15 A MOTORS FP-H111 & FP-H112		
			15			1.7	0.0	16	1	15 A Spare		
Spare	20 A	1	17					0.0	0.0	18	1	15 A Spare
Spare	20 A	1	19	0.0	0.0			20	1	15 A Spare		
Spare	20 A	1	21			0.0		22	1	Space		
Spare			23					24	1	Space		
Spare			25					26	1	Space		
Spare			27					28	1	Space		
Spare			29					30	1	Space		
TOTAL LOAD:				20 kVA	15 kVA			12 kVA				
TOTAL AMPS:				75 A	54 A			43 A				

LOAD CLASSIFICATION	CONNECTED	DEMAND	ESTIMATED	PANEL TOTALS
MOTORS	37410 VA	100.00%	37410 VA	
LITES	10668 VA	125.00%	13335 VA	

CONNECTED LOAD: 46436 VA
ESTIMATED DEMAND: 48796 VA
CONNECTED CURRENT: 56 A
EST. DEMAND CURRENT: 59 A

NOTES:

PANELBOARD: H4
LOCATION: STORAGE-1 F105-1
MOUNTING: SURFACE NEMA 1
MAIN DEVICE: 150 A MLO
BUS AMPS: 150 AMPS
SPECIAL: VOLTAGE: 480Y/277 V, 3 ø 4 W. A.I.C. RATING: 18,000 AMPS SYMMETRICAL

LOAD DESCRIPTION	BKR	POLES	CKT	A	B	C	CKT	POLES	BKR	LOAD DESCRIPTION		
LITES CONCESSION E107	20 A	1	1	1.8	1.4			2	1	20 A LITES COMMONS E101		
LITES STAIR D1 F100	20 A	1	3			2.3	1.7	4	1	20 A LITES CORRIDOR F102		
MOTORS FP-E100	15 A	1	5					2.5	2.5	6	1	15 A MOTORS FP-E106
MOTORS FP-E101D	15 A	1	7	2.5	1.6			8	1	15 A MOTORS FP-E107		
MOTORS FP-E110 & FP-F111	15 A	1	9			1.4	1.0	10	1	15 A MOTORS FP-F109 & FP-114		
MOTORS ELEV F101	60 A	3	11					7.5	1.7	12	1	15 A MOTORS FP-E101B
			13	7.5	1.6			14	1	15 A MOTORS FP-204 & FP-206		
			15					7.5	1.7	16	1	15 A MOTORS FP-E101A
SHUNT-TRIP			17					1.7	1.7	18	1	15 A MOTORS FP-E101C
Spare	20 A	1	19	0.0	0.0					20	1	15 A Spare
Spare	20 A	1	21			0.0	0.0	22	1	15 A Spare		
Spare	20 A	1	23			0.0	0.0	24	1	15 A Spare		
Spare			25					26	1	Space		
Spare			27					28	1	Space		
Spare			29					30	1	Space		
TOTAL LOAD:				16 kVA	15 kVA			16 kVA				
TOTAL AMPS:				58 A	54 A			58 A				

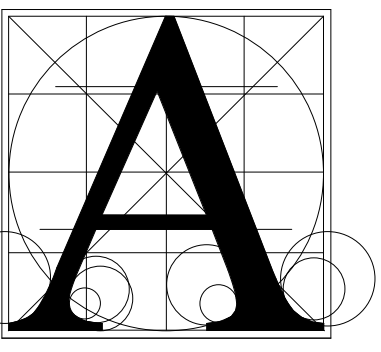
LOAD CLASSIFICATION	CONNECTED	DEMAND	ESTIMATED	PANEL TOTALS
MOTORS	40781 VA	100.00%	40781 VA	
LITES	7191 VA	125.00%	8989 VA	

CONNECTED LOAD: 46801 VA
ESTIMATED DEMAND: 48366 VA
CONNECTED CURRENT: 56 A
EST. DEMAND CURRENT: 58 A

NOTES:

PANELBOARD: AV
LOCATION: THEATER STOR. E200
MOUNTING: SURFACE NEMA 1
MAIN DEVICE: 200 A MLO
BUS AMPS: 200 A
SPECIAL: VOLTAGE: 208Y/120 V, 3 ø 4 W. A.I.C. RATING: 10,000 AMPS SYMMETRICAL

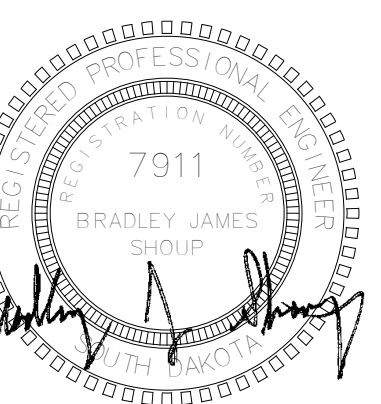
LOAD DESCRIPTION	BKR	POLES	CKT	A	B	C	CKT	POLES
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ACEI PROJ. #122033

Project
Sheet Contents

BALTIC HIGH SCHOOL ADDITION
ELECTRICAL SCHEDULES

Table with columns: number, date, revision, drawn, checked, description. Includes entry: 0727.2957.21, 12-22-2022, I-20-23 ADDENDUM 2

9.53

PANELBOARD: L5. LOCATION: STORAGE H115. VOLTAGE: 208Y/120 V, 3 ø 4 W. A.I.C. RATING: 10,000 AMPS SYMMETRICAL. SPECIAL: MOUNTING: RECESSED NEMA1. MAIN DEVICE: 100 A MLO. BUS AMPS: 100 AMPS. Table with columns: LOAD DESCRIPTION, BKR, POLES, CKT, A, B, C, CKT, POLES, BKR, LOAD DESCRIPTION. Includes sub-totals for CONNECTED, DEMAND, ESTIMATED, and PANEL TOTALS.

PANELBOARD: L6. LOCATION: STORAGE-1 F105-1. VOLTAGE: 208Y/120 V, 3 ø 4 W. A.I.C. RATING: 10,000 AMPS SYMMETRICAL. SPECIAL: MOUNTING: SURFACE NEMA 1. MAIN DEVICE: 400 A MAIN CB. BUS AMPS: 400 AMPS. Table with columns: LOAD DESCRIPTION, BKR, POLES, CKT, A, B, C, CKT, POLES, BKR, LOAD DESCRIPTION. Includes sub-totals for CONNECTED, DEMAND, ESTIMATED, and PANEL TOTALS.

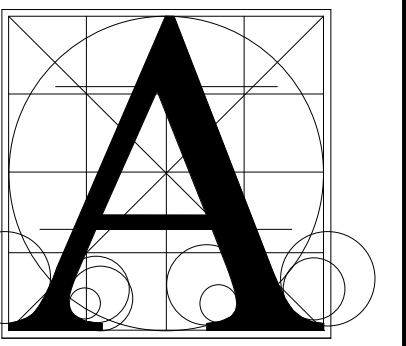
PANELBOARD: L3. LOCATION: MECH PENTHOUSE G300. VOLTAGE: 208Y/120 V, 3 ø 4 W. A.I.C. RATING: 10,000 AMPS SYMMETRICAL. SPECIAL: MOUNTING: SURFACE NEMA 1. MAIN DEVICE: 200 A MLO. BUS AMPS: 200 A. Table with columns: LOAD DESCRIPTION, BKR, POLES, CKT, A, B, C, CKT, POLES, BKR, LOAD DESCRIPTION. Includes sub-totals for CONNECTED, DEMAND, ESTIMATED, and PANEL TOTALS.

PANELBOARD: L4. LOCATION: TOOLS-1 H104-1. VOLTAGE: 208Y/120 V, 3 ø 4 W. A.I.C. RATING: 10,000 AMPS SYMMETRICAL. SPECIAL: MOUNTING: SURFACE NEMA 1. MAIN DEVICE: 400 A MAIN CB. BUS AMPS: 400 AMPS. Table with columns: LOAD DESCRIPTION, BKR, POLES, CKT, A, B, C, CKT, POLES, BKR, LOAD DESCRIPTION. Includes sub-totals for CONNECTED, DEMAND, ESTIMATED, and PANEL TOTALS.

PANELBOARD: L1. LOCATION: MECHANICAL F211. VOLTAGE: 208Y/120 V, 3 ø 4 W. A.I.C. RATING: 10,000 AMPS SYMMETRICAL. SPECIAL: MOUNTING: SURFACE NEMA 1. MAIN DEVICE: 400 A MAIN CB. BUS AMPS: 400 AMPS. Table with columns: LOAD DESCRIPTION, BKR, POLES, CKT, A, B, C, CKT, POLES, BKR, LOAD DESCRIPTION. Includes sub-totals for CONNECTED, DEMAND, ESTIMATED, and PANEL TOTALS.

PANELBOARD: L2. LOCATION: WORK ROOM G225. VOLTAGE: 208Y/120 V, 3 ø 4 W. A.I.C. RATING: 10,000 AMPS SYMMETRICAL. SPECIAL: MOUNTING: RECESSED NEMA1. MAIN DEVICE: 200 A MLO. BUS AMPS: 200 AMPS. Table with columns: LOAD DESCRIPTION, BKR, POLES, CKT, A, B, C, CKT, POLES, BKR, LOAD DESCRIPTION. Includes sub-totals for CONNECTED, DEMAND, ESTIMATED, and PANEL TOTALS.

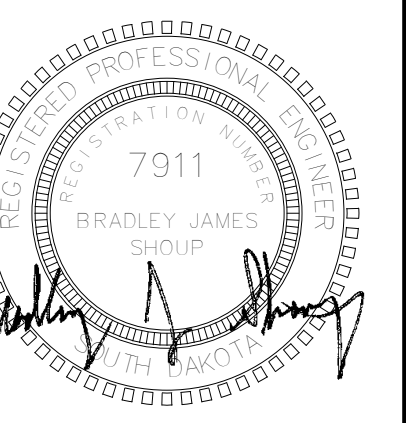
PANELBOARD: L7. LOCATION: CONCESSION-1 E107-1. VOLTAGE: 208Y/120 V, 3 ø 4 W. A.I.C. RATING: 10,000 AMPS SYMMETRICAL. SPECIAL: MOUNTING: RECESSED NEMA1. MAIN DEVICE: 200 A MLO. BUS AMPS: 200 AMPS. Table with columns: LOAD DESCRIPTION, BKR, POLES, CKT, A, B, C, CKT, POLES, BKR, LOAD DESCRIPTION. Includes sub-totals for CONNECTED, DEMAND, ESTIMATED, and PANEL TOTALS.



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BALTIC HIGH SCHOOL ADDITION
ELECTRICAL DETAILS

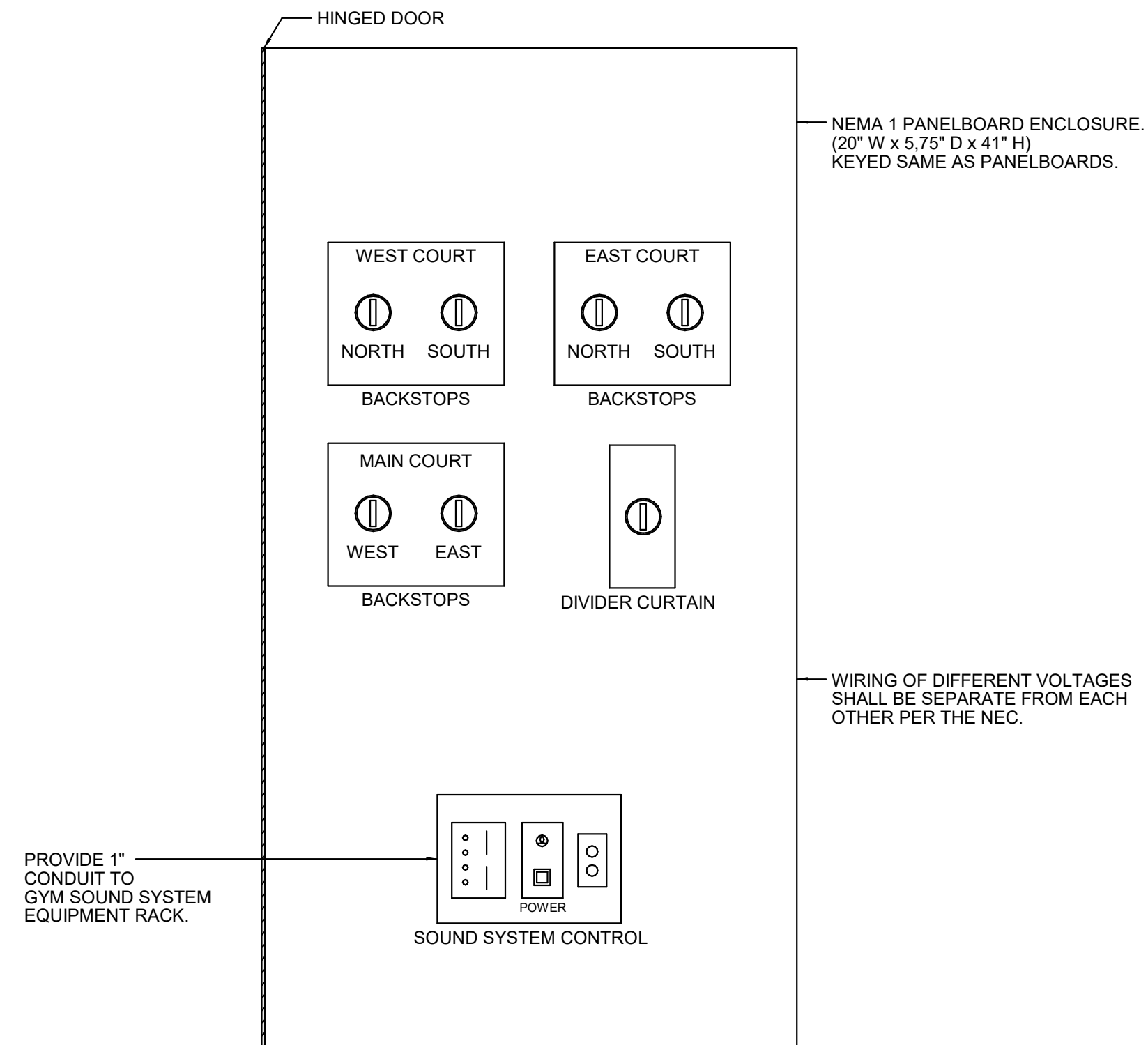
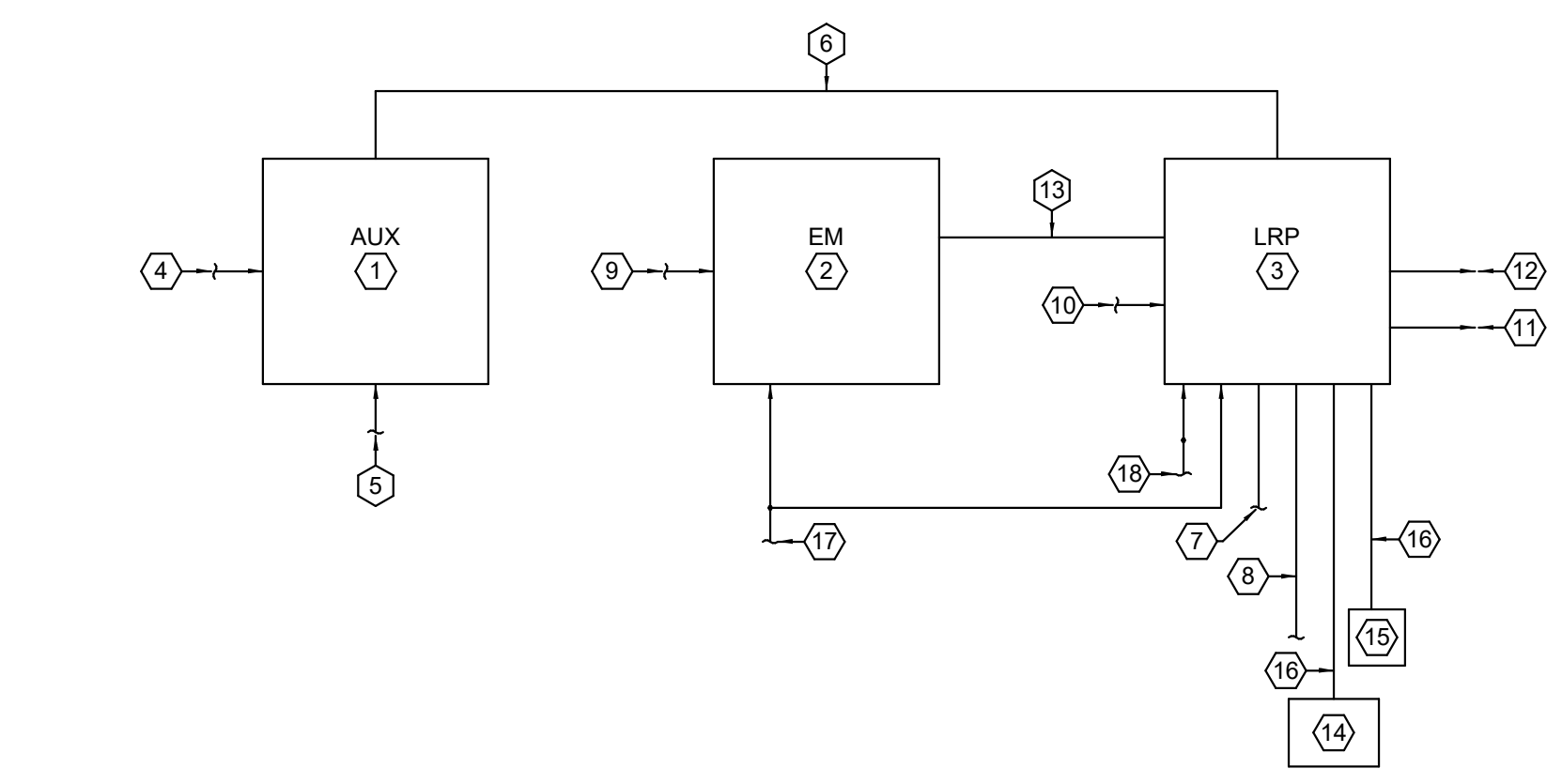
Project	number	0727.2957.21	
Sheet Contents	date	12-22-2022	
	revision		
	drawn	KMT	
	checked	BJ5	
	NO.	DATE	DESCRIPTION
	1	1-13-23	ADDENDUM 1

9.55

- AUXILIARY EQUIPMENT RACK AND ALL INTERNAL EQUIPMENT TO BE PROVIDED BY AVL CONTRACTOR.
- EMERGENCY BYPASS DETECTION KIT.
- LIGHTING RELAY PANEL.
- DMX SIGNAL FROM THEATRICAL CONTROL SYSTEM DMX WIRING AND THEATRICAL CONTROLLER TO BE PROVIDED BY AVL CONTRACTOR.
- 120V CIRCUIT FROM PANEL "AV".
- DMX SIGNAL TO LRP; DMX WIRING TO BE PROVIDED BY AVL CONTRACTOR.
- 277V NORMAL POWER HOUSE LIGHTING BRANCH CIRCUITS FROM PANEL "H1".
- 277V EMERGENCY POWER HOUSE LIGHTING BRANCH CIRCUITS FROM INVERTER "INV-T".
- FIRE ALARM INPUT.
- THEATRICAL LIGHTING BRANCH CIRCUITS FROM PANEL "AV".
- RELAY AND 0-10V CONTROLLED CIRCUITS TO HOUSE LIGHTING.
- RELAY CONTROLLED CIRCUITS TO THEATRICAL LIGHTING RECEPTACLES.
- 2-#16 AWG STRANDED WIRES.
- PRESET PUSHBUTTON STATIONS.
- DESKTOP CONTROL CONSOLE.
- BELDEN #8471 CABLE.
- 277V NORMAL POWER SENSE AND CONTROL CIRCUITS FROM PANEL "H1".
- 277V EMERGENCY POWER SENSE AND CONTROL CIRCUIT FROM INVERTER "INV-T".

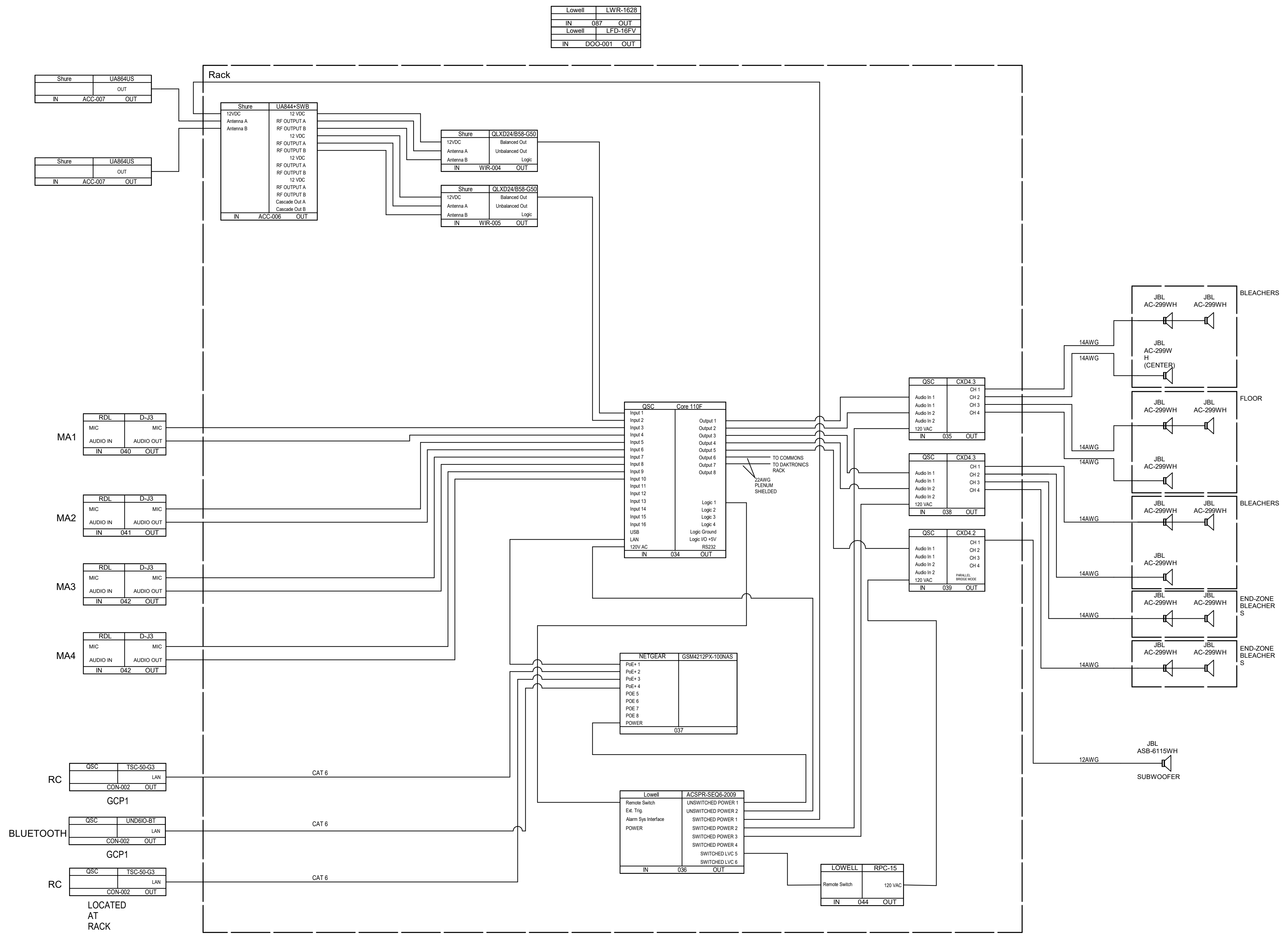
AUDITORIUM DIMMING SYSTEM CONTROL/RISER DIAGRAM

NO SCALE



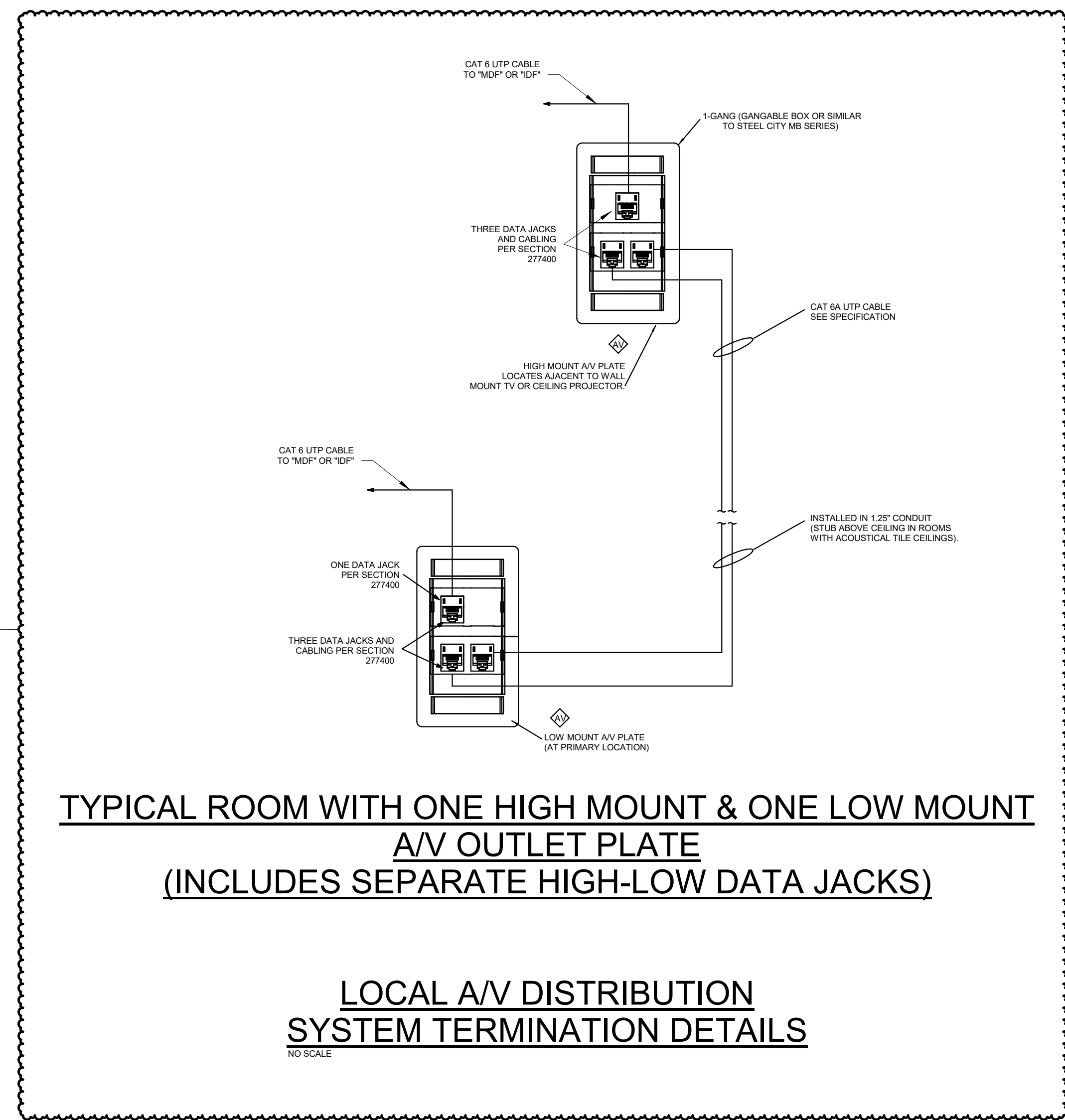
GYM CONTROL PANEL "GCP" LAYOUT DETAIL

NO SCALE



GYM SOUND SYSTEM RISER DIAGRAM

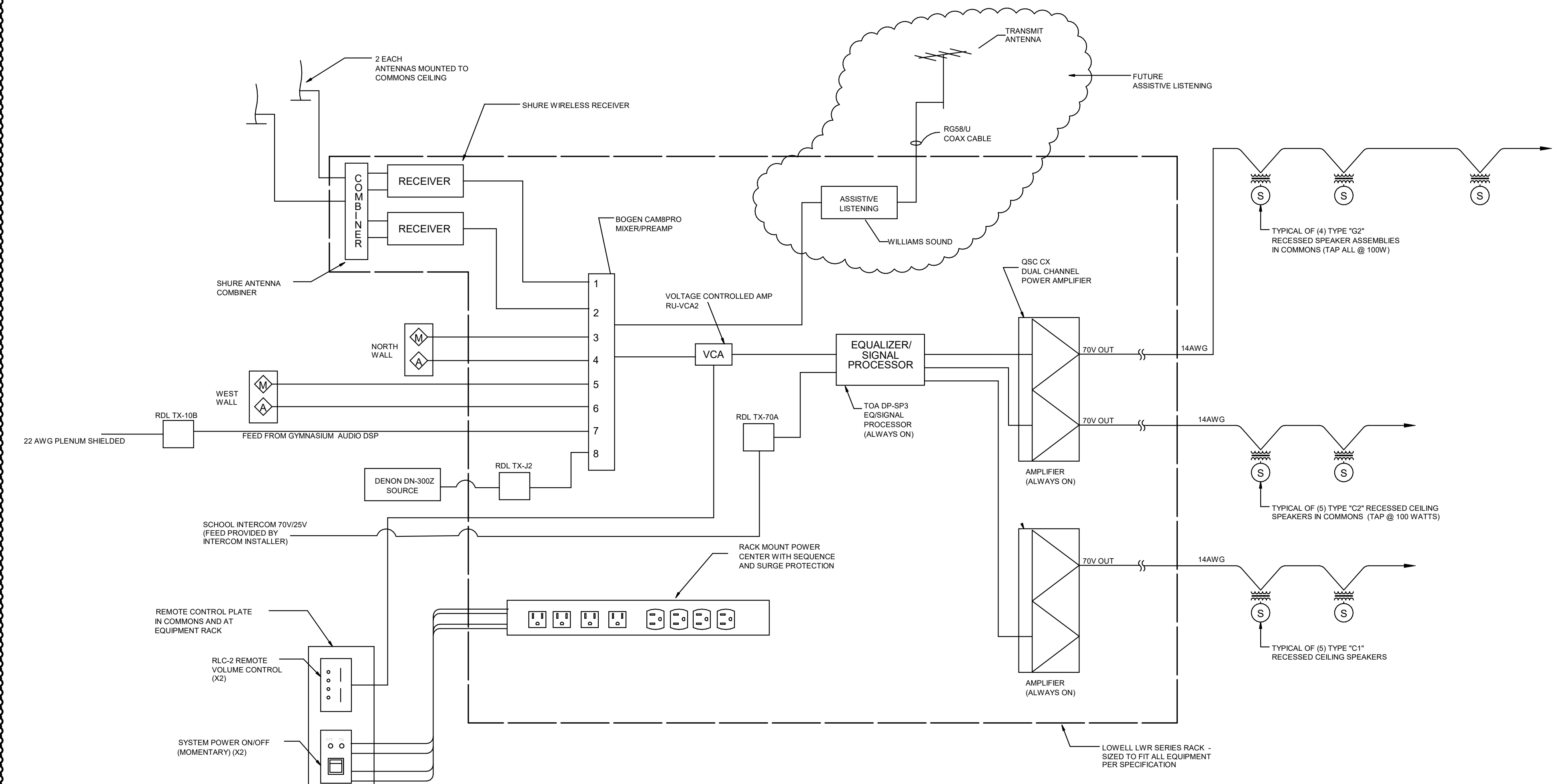
NO SCALE



TYPICAL ROOM WITH ONE HIGH MOUNT & ONE LOW MOUNT A/V OUTLET PLATE (INCLUDES SEPARATE HIGH-LOW DATA JACKS)

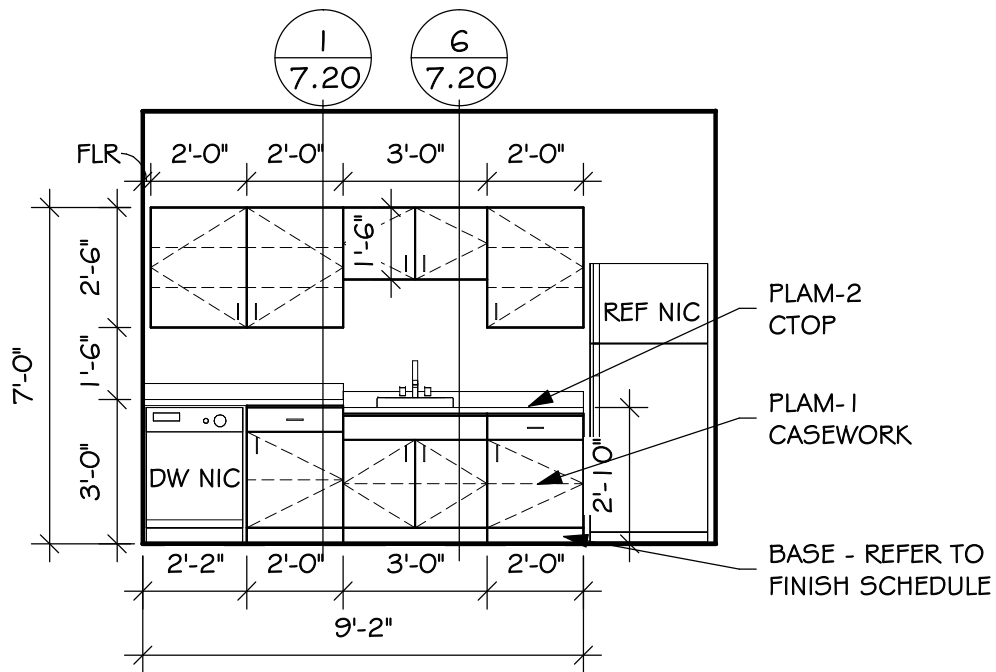
LOCAL A/V DISTRIBUTION SYSTEM TERMINATION DETAILS

NO SCALE



COMMONS SOUND REINFORCEMENT SYSTEM FUNCTIONAL BLOCK DIAGRAM

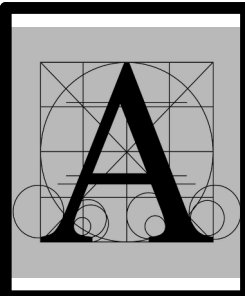
NO SCALE



1
6
7.20
7.20

G219 STAFF - NORTH

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



project BALTIC HIGH SCHOOL ADDITION
 number 0727.2957.21 drawn BJO checked SRJ
 date JANUARY 20, 2023 revision _____

Architecture Incorporated
 sioux falls and rapid city, south dakota

DRAWING

SD-1