

Addendum No. 2
August 24, 2022

Project: **St. Mary Catholic School Addition & Remodel**
812 N. State Avenue
Dell Rapids, South Dakota 57022
Architecture Incorporated Project #2788

Architect: Architecture Incorporated

Letting: September 8, 2022
2:00 PM
St. Mary Catholic Church
Parish Hall
608 East 8th Street
Dell Rapids, South Dakota 57022

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. GENERAL

- a. Addendum #1 clarification – the project name is 'St. Mary Catholic School Addition & Remodel'.
- b. Attendance sign-in from the August 18, 2022, Pre-Bid Meeting is attached to the end of this addendum.
- c. Temporary Utility Services, General Clarification: It shall be the sole responsibility of the Contractor to provide utility services for all construction activities, including but not limited to temporary heating, water, power, and lighting, as specified per Section 015000 - *Temporary Facilities and Controls*. The Contractor shall be responsible for providing utility services to facilitate construction, per the Base Bid, regardless of existence of readily-available, permanently-installed utility services such as natural gas, water and electricity.

2. SECTION 015000 – TEMPORARY FACILITIES AND CONTROLS

- a. Add Article 1.2.F. as follows:
 - i. *Temporary Heat: The [Contractor shall pay] all use charges and provide all equipment necessary to furnish temporary heat.*
 - ii. *Liquid propane (LP) gas shall be considered suitable option for use as temporary heating fuel; all costs associated with the use of LP gas, including delivery charges and LP gas-type heating equipment, shall be the responsibility of the Contractor and shall be included in his Base Bid.*

iii. *Electric heating units shall be prohibited. Electric heating units shall [not] be used for temporary heating.*

b. Add Article 1.5.D. as follows:

i. *Erosion- and Sedimentation-Control: Show compliance with requirements of authorities having jurisdiction; comply with requirements enforced by the City of Dell Rapids.*

c. Add Article 1.5.E. as follows:

i. *Erosion Control: Erosion control shall be installed throughout the site as a part of the Contractor's scope of work. The Contractor shall install and maintain all necessary erosion control measures until the project reaches Final Completion.*

ii. *Unless indicated otherwise, the Contractor shall be responsible for maintaining all erosion control measures on site until Final Completion. If necessary, the Contractor shall install additional erosion control devices in accordance with City of Dell Rapids requirements as the project progresses.*

iii. *The Contractor shall repair any/all deficient erosion control measures throughout the duration of the project.*

iv. *The Contractor shall be responsible for removing all erosion control measures at the end of the project. Removal of erosion control measures shall not occur until permanent landscaping has been established and erosion control removal has been [approved by the Owner].*

d. Add Article 1.5.F. as follows:

i. *Weed Control: The Contractor shall be responsible for weed control on the site throughout the duration of the Project.*

e. Add Articles 1.6.B., 1.6.C. & 1.6.D. as follows:

i. *Conditions of Use: The following conditions apply to use of temporary services and facilities by all parties engaged in the Work:*

1. *Keep temporary services and facilities clean and neat.*

2. *Relocate temporary services and facilities as required by progress of the Work.*

3. *Emergency Exits: The Contractor shall maintain all emergency always exits, as specified; covered walkways will [not] be required.*

4. *The Contractor shall ensure that all existing entrances remain clear and accessible at all times for the public's use and as emergency exits, including during earthwork operations, [unless otherwise agreed to by the Owner].*

f. Add Articles 2.3.D. & 2.3.E. as follows:

i. Electrical Outlets: Properly configured, NEMA-polarized outlets to prevent insertion of 110- to 120-V plugs into higher-voltage outlets; equipped with ground-fault circuit interrupters, reset button, and pilot light.

ii. Power Distribution System Circuits: Where permitted and overhead and exposed for surveillance, wiring circuits, not exceeding 125-V ac, 20-A rating, and lighting circuits may be nonmetallic sheathed cable.

g. Add: PART 2 Products 2.1 MATERIALS:

i. Chain-Link Fencing: Minimum 2-inch (50-mm), 0.148-inch- (3.8-mm-) thick, galvanized-steel, chain-link fabric fencing; minimum 6 feet (1.8 m) high with galvanized-steel pipe posts; minimum 2-3/8-inch- (60-mm-) OD line posts and 2-7/8-inch- (73-mm-) OD corner and pull posts, with 1-5/8-inch- (42-mm-) OD top rails.

ii. A [6-feet] tall chain-link site enclosure fence shall be installed [and maintained] around the construction site prior to commencing earthwork activities. Do not remove site enclosure fence until directed to do so by the Architect; see Phasing Plan.

iii. Reference the Phasing Plan for temporary fencing locations; see revised sheet 1.21 (attached 8/23/2022).

iv. The successful Contractor shall coordinate exact extents of temporary fencing with the Owner prior to commencing earthwork activities.

3. SECTION 042000 – UNIT MASONRY ASSEMBLIES

a. Part 3.3.B.1 – change bond pattern for exposed concrete masonry units to Stacked Bond in lieu of Running Bond.

4. SECTION 123625 – PLASTIC-LAMINATE-CLAD COUNTERTOPS

a. Reference Article 2.3.A.7: omit reference to 18" x 15" x 11" upright assembly and all accessories needed for complete installation.

i. Science Apparatus not required on this project.

b. Provide Model PL25ADA (18" x 15" x 5" deep) sinks at ADA locations.

5. SECTION 142400 – HYDRAULIC ELEVATORS

a. Part 2.3.B.4 – change rated speed to 110 fpm in lieu of 100 fpm.

b. Part 2.3.B.9 – omit this item. Refer to Part 2.5.C as modified by this addendum.

c. Part 2.3.B.10.g – omit this item – reveals are not required.

d. Part 2.3.B.10.k – change handrail dimensions to ¼" x 2" in lieu of ½" x 2".

e. Part 2.3.B.13.a – delete this item; it is not required in South Dakota.

- f. Part 2.3.C.9 – omit this item. Refer to Part 2.5.C as modified by this addendum.
- g. Part 2.3.C.10.g – omit this item – reveals are not required.
- h. Part 2.3.C.10.k – change handrail dimensions to ¼” x 2” in lieu of ½” x 2”.
- i. Part 2.3.C.13.a – delete this item; it is not required in South Dakota.
- j. Part 2.5.C – omit reference to security features. Each elevator shall be provided with an independent service key switch at the car control station.
- k. Part 2.9.E – omit reference to Hall Lanterns. Provide car riding lanterns in lieu of hall lanterns.

6. SHEET 1.10 – GENERAL INFORMATION

- a. Abbreviations Schedule
 - i. Add: VIF = Verify in Field

7. SHEET 1.21 – PHASING PLAN

- a. Incorporate Revised Sheet 1.21 – PHASING PLAN (DATED 8/23/22)

8. SHEET 1.20 – CODE PLAN

- a. In room B105 – STAFF WORK ROOM, shift Fire Extinguisher Fully Recess cabinet to the west to avoid the electrical panel. Coordinate location.
- b. Near Door B207 provide a Fire Extinguisher Fully Recessed In lieu of Fire Extinguisher Semi-Recessed.

9. SHEET 2.30 – SITE PLAN

- a. Incorporate Revised Sheet 2.30 – SITE PLAN (DATED 8/23/22)

10. SHEET 2.60 – GRADING PLAN

- a. Incorporate Revised Sheet 2.60 – GRADING PLAN (DATED 8/24/22)

11. SHEET 2.31 – SITE DETAILS

- a. Incorporate Revised Sheet 2.31 – SITE DETAILS (DATED 8/23/22)

12. SHEET 3.1.1 – LOWER LEVEL FOOTING AND FOUNDATION PLAN

- a. The Temporary Earth Retainage System located at the south side of the existing building shall be shifted south to maintain sidewalk egress from the west doors at the existing vestibule to State Street.

13. SHEET 4.11 – BASEMENT FLOOR PLAN – AREA A & B

- a. At Room ELEV. E01 – change elevator door width to 3’-6” in lieu of 6’-0”.

- b. West jamb of frame for Door A35 shall be 1'-4" east of the west wall in lieu of 8".
- c. At interior basement walls backfilled with geofoam provide waterproofing membrane on the unexcavated side of the wall, full depth of backfill. Coordinate locations with sheet 3.21 – FOOTINGS AND FOUNDATION AND FIRST FLOOR FRAMING

14. SHEET 4.15 – FIRST & SECOND FLOOR PLAN – AREA B

- a. FIRST FLOOR PLAN – AREA B
 - i. ROOM B116 – PRESCHOOL, provide 25 cubbies total, reference sheet 4.23 – FIRST & SECOND FINISH FLOOR PLAN – AREA, FIRST FLOOR FINISH PLAN – AREA B
 - ii. At (25) cubbies provide a continuous PLAM top on the top finished edge

15. SHEET 4.30 – DOOR SCHEDULE

- a. Change Door A35 to painted Hollow Metal in lieu of stained Solid Core Wood. Change hardware group of this door to Hardware Group #6 in lieu of Hardware Group #5.

16. SHEET 5.21 – BUILDING SECTIONS

- a. Incorporate Revised Sheet 5.21 – BUILDING SECTIONS (DATED 8/23/22)

17. SHEET 5.30 – ENLARGED ELEVATOR PLANS AND SECTIONS

- a. Details 1, 2, and 3 – change elevator door width to 3'-6" in lieu of 6'-0"

18. SHEET 5.50 – ROOF PLAN

- a. Incorporate Revised Sheet 5.50 – ROOF PLAN (DATED 8/23/22)

19. SHEET 5.52 – ROOF DETAILS

- a. Incorporate Revised Sheet 5.52 – ROOF DETAILS (DATED 8/23/22)

20. SHEET 6.13 – FIRST & SECOND FLOOR REFLECTED CEILING PLAN- AREA B

- a. At RCP – SECOND FLOOR – AREA B
 - i. FIELD COORDINATE SIZE AND LOCATION OF BOILER VENT CHASE
 - 1. Chase will need to be sealed to the deck and enclosed to avoid leaking into the above ceiling plenum.
- b. At RCP – FIRST FLOOR – AREA B and RCP – SECOND FLOOR – AREA B
 - i. In the southwest corner of room B116 and B207 the mechanical chase furring wall needs to be sealed to the floor and deck to insure no leaking into the above ceiling plenum.

MECHANICAL ITEMS:

- 21. Replace SECTION 230800 – 1.06 Unit Ventilators with the following:

Furnish and install heating-cooling-ventilating type unit ventilators of size, type and capacity as shown on the Drawings. Unit shall be complete with blower, 2 pipe heating and cooling coil, drain pan, ultra low leak outside dampers, return air dampers, permanent type cleanable filter, internal face and bypass.

Units with draw-through coils shall have face and bypass dampers and damper actuator. Coordinate the actuator requirements with Section 230900 – Automatic Temperature Control/Building Automation System.

The units frames shall be unitized, welded construction, with structural elements aligned in an assembly jig prior to welding, to insure proper dimensions, rigidity, and squareness. Frames assembled with mechanical fasteners shall not be acceptable. Internal sheet metal parts shall be constructed of galvanized steel to inhibit corrosion. The exterior cabinet panels shall be fabricated from furniture grade steel of not less than 16 gauge steel with no sharp edges and no unsightly screw heads and shall receive an electro-statically applied powder paint, and be oven baked with environmentally friendly thermosetting urethane powder finish to provide a high quality appearance. Finish color shall be as selected by Architect from manufacturer's standard colors.

The interior areas of the unit ventilator shall be insulated for sound attenuation and to provide protection against condensation of moisture on or within the unit. The unit shall be provided with an ultra-quiet sound package consisting of acoustically matched low speed fans to fan housing, sound barrier insulation material (non-fiberglass) adhered to the bottom underside of the unit top panel, sides of the fan section and sound absorbing insulation (non-fiberglass) material applied to the unit front panel. Units shall be constructed so that testing and troubleshooting can be accomplished in the end pockets of operating units, without affecting the normal air flow patterns through the unit.

Each unit shall be provided with a non-fused power interrupt switch that disconnects the main power to the unit for servicing or when the unit is to be shut down for an extended period of time. The fan motor and controls shall have the hot line(s) protected by factory installed cartridge type fuse(s).

The manufacturer shall have published cataloged sound data available for the engineer's review. Sound data shall have been conducted using a qualified reverberant room per ANSI S1.31 and ANSI S12.32. Sound test data shall be based on standard cfm at standard air (fixed density of air at 70F) in accordance with ARI procedures based upon ARI 350. The engineer shall have the right to reject equipment not conforming to the specified manufacturer's sound data, as a minimum.

Floor mounted units shall have an integral pipe tunnel for convenient crossover of piping and a built-in metal wire raceway from right end compartment to left end compartment to contain any line voltage electrical wiring separate from the air stream. Line voltage wiring shall not be touchable in the air stream of the unit during normal maintenance procedures of oiling bearings or motors. Unit shall come standard with a factory installed and wired disconnect switch.

The units top surface shall be supplied with a charcoal bronze textured finish, to resist scuffing, reduce glare and help hide fingerprints. Unit top shall have two access doors, one at each end

(for access to motor and bearings for easy servicing). The front and ends shall be available in a selection of architecturally pleasing colors by the manufacturer, for selection by the Architect. The discharge grille shall be constructed of continuous rounded edge steel bars to provide 10 degree vertical deflection. A 1/4" painted, galvanized mesh screen shall be provided beneath the discharge grille to protect against objects being dropped through the discharge grille. The unit top and grille shall be of a modular construction so that it is removable for service and maintenance. The unit front surface shall be comprised of three separate removable panels. The controls and piping shall be accessible without removing the entire front panel. Panels shall be secured to the unit with recessed, tamper resistant, Allen head fasteners. Slots for flat head screwdrivers shall not be acceptable as tamper resistant.

Unit ventilators and companion accessory sections shall be a nominal thirty inches (30") high, and shall be furnished with front leveling legs to compensate for uneven floor surfaces. Standard cabinet depth units (16-5/8") shall have 1/2", 1.5# dual density mat faced glass-fiber blanket insulation on the rear of the unit to serve as a thermal barrier and to form an airtight seal between the wall and the unit, when the unit is lagged to the wall. In addition, horizontal metal extensions at the top and bottom of the unit shall have a 1" wide compressible gasket to form an airtight seal between the wall and the unit. The unit shall come with four predrilled mounting holes and washers for lagging to the wall.

Coil assembly shall be of a modular construction so that it is removeable from the front of the unit. All coils shall be installed in a draw through position to assure uniform air distribution over the full-face area of the coil, and an even unit discharge temperature. All heating and cooling coils shall be constructed with copper tubes and mechanically bonded aluminum corrugated plate type fins. All coils shall have aluminum individual unshared fin surfaces. An air break shall exist between coils. Water heating and cooling coils shall be furnished with a threaded drain plug at the lowest point and a manual air vent at the high point of the coil. A factory installed low temperature freeze-stat shall be provided on the leaving edge of the water heating coil in a wave-like configuration to sense multiple locations and shall react to possible freezing conditions. The unit-mounted controls shall incorporate this device.

All units (either heating only, heat/cool, cool only or reheat) shall come furnished with an insulated drain pan constructed of galvanized steel. A drain outlet shall be provided on both ends of the drain pan with one outlet capped. The drain hand of connection shall be easily field-reversed by relocating the cap to the opposite end without disassembly of the unit or movement of the unit drain pan. The drain pan shall be able to be sloped in either direction for proper condensate removal. Drain shall be provided with a secondary, overflow drain connection on both ends of the pan.

The fan and motor assembly shall be of a low speed design to assure maximum quietness and efficiency. Fans shall be double-inlet, forward-curved, centrifugal type with offset aerodynamic blades. Fans and shaft shall be statically and dynamically balanced as an assembly in the unit before shipment. Fan housings shall be constructed of galvanized steel incorporating logarithmic expansion for quiet operation. Fan and motor assembly shall be of the direct drive type. Belt drive fans shall not be allowed. Motors shall be 208 volt, single phase, 60Hz, ECM with auto reset internal thermal overload device designed specifically for unit ventilator operation. Motors

shall be located out of the conditioned air stream. All components of the fan/motor assembly shall be removable from the top of floor-mounted units. Units shall have sleeve type motor and fan shaft bearings, and shall not require oiling more than annually. All bearings shall be located out of the airstream. Bearings in the air stream are not acceptable.

Each unit shall be provided with a factory-installed metal blockoff to ensure all air is drawn from the filter through the coil. This shall be in addition to the outside front panel.

Each unit shall be provided with separate room air and outdoor air dampers. The room air damper shall be two-piece, double-wall construction fabricated from aluminum, and be counterbalanced against backpressure to close by gusts of wind pressure, thereby preventing outdoor air from blowing directly into the room. The outdoor air damper shall be two piece, double wall construction fabricated from galvanized steel, with ½" thick, 1½ lb. density glassfiber insulation encapsulated between the welded blade halves for rigidity and to inhibit corrosion. The outdoor air damper shall have additional foam insulation on the exterior surface damper blade and on the ends of the outdoor air chamber. A single blade damper, which can be twisted and will leak air, will not be considered. Dampers shall be fitted with blended mohair seals along all sealing edges. Pressure adhesive sponge neoprene or plastic clip-on brush type sealers for damper seals are not acceptable. Rubber type gasket using pressure adhesive for fastening to metal and exposed to the outside air is not acceptable. Dampers shall use the turned-metal principle on long closing ends with no metal-to-metal contact for proper sealing. The damper shaft shall be mechanically fastened to the blade, and shall operate in bearings made of nylon or other material which does not require lubrication.

Each unit ventilator shall be equipped with a one-piece filter located to provide filtration of the return air/outdoor air mixture, in lieu of separate filters for each air stream. The entire filter surface must be useable for filtration of 100% room air or 100% of outdoor air. The filter shall be easily accessible from the front, and removable in one piece without removal of the unit return air damper stop. The unit shall ship with a factory installed 1" thick fiberglass, single-use type.

All units shall get field installed controls. See specification section 230900.

Outdoor air intake louver shall be provided by unit ventilator manufacturer except as otherwise noted on the drawings. Provide outdoor air intake louver for all unit ventilators that are located in the new construction areas. Masonry wall intake louver shall be constructed with horizontal chevron type blades. Provide weep holes in the louver frame and diamond pattern expanded aluminum bird screen on the interior side. Louver shall be fabricated of extruded aluminum 6063-T5. The intake assembly and frame shall be 16 ga. horizontal chevron type aluminum blades in a 12 ga. frame, with manufacturer's oven baked powder paint finish and color for selection by the Architect. Unit ventilators installed in the existing building shall make use of the existing unit ventilator outdoor air intake louvers.

Unit capacities shall be as scheduled on the Drawings.

Unit Ventilators shall be Daikin, Trane, AAF, Nesbitt, Carrier, Dunham Bush or equal.

22. Add the following SECTION TO 230800:

EXISTING BOILER VENTING:

Provide factory-built modular connector, manifold and stack system that is tested and listed by the Underwriters' Laboratories, Inc. for use with building heating equipment and appliances which produce exhaust flue gases at a temperature not exceeding 1400°F (Fahrenheit) under continuous operating conditions when burning gaseous or liquid fuels as described in NFPA-211. The vent system shall be UL 103 and UL 2561 positive pressure tested and listed to 60 inches internal water column pressure. Additionally, the vent shall be UL1738 tested and listed as Special Gas Vent for Category II, III and IV appliances.

The UL listed fiber insulated flue gas vent system shall have skin temperatures that have been obtained by Underwriters Laboratories (UL) test procedures. The published surface temperatures shall be the result of the UL103 1000° Fahrenheit chimney test.

The double wall flue system shall have a 316L-PCM stainless steel inner liner (24 GA minimum) and a 304 stainless steel outer jacket (24 GA minimum). The materials and construction of the modular sections and accessories shall be as specified by the terms of the product's UL listing. The ceramic fiber insulation between the inner and outer jacket shall be a nominal 2-inch thick.

The vent sections and fittings shall be joined by clamping a U Band over the mating male/female flanges of adjacent components. The male flange connection shall have an integrated graphite seal. The inner liner shall be the structural load bearing component and expansion of the liner due to changes in gas temperature shall be catered for by bellow(s) fitted, as necessary, throughout the system. Expansion length(s) can be used if no positive pressure is produced by the unit.

Connections to silencers and expansion joints shall be made with matching flanges. Matching flanges shall be of the same size, bolt hole spacing and pressure rating as the flanges to which the connections are made.

Roof penetrations shall be suitable for the specified roof construction and shall comply with the manufacturer's installation instructions.

The exhaust system shall be designed to compensate for all flue gas induced thermal expansion.

When installed according to the manufacturer's installation instructions, the flue system and its supporting system shall resist side loads at least 1.5 times greater than the weight per foot of the piping for both horizontal and vertical portions of the system.

The prefabricated flue system shall be installed according to the manufacturer's installation instructions and shall conform to all applicable state and local codes.

Provide all modular straight sections, fittings, supports, guides, expansion joints, guy sections, guy tensioners, roof thimbles, roof flashings, storm collars and stack cap terminations as required to provide a complete system per the manufacturer's installation instructions

The entire flue system from the appliance outlet to the termination point, including all accessories, except as noted, shall be from one manufacturer.

The vertical stack termination shall be no less than two feet above any portion of the building within ten feet of the stack penetration (see NFPA-211).

Roof penetrations shall be suitable for the specified roof construction and shall comply with the manufacturer's installation instructions.

The prefabricated flue system shall be warranted against functional failure due to defects in material and manufacturer's workmanship for a period of 15 years from date of installation.

Product specification requirements shall be met by using ENERVEX PowerStack EPS exhaust flue or equivalent as approved by the engineer.

23. DRAWING SHEET 8.12 – SCHEDULES

- a. PLUMBING FIXTURE SCHEDULE:
 - i. Add plumbing fixtures L-2 & SK-6. See attached drawing sheet.
- b. FAN SCHEDULE:
 - i. EF-A201 & EF-A202 – Motors shall be variable speed direct drive with 0-10v input for BAS control. See attached drawing sheet.
 - ii. RF-1 & RF-2: Provide relief fans for AHU-1 system. See attached drawing sheets.
 - iii. EF-A101, EF-A111, EF-A115A, EF-A122, EF-B108, & EF-B209 shall be variable speed direct drive ECM with variable speed adjustment dial on the motor.
- c. UNIT VENTILATOR SCHEDULE:
 - i. Voltage shall be 120 in lieu of 208. See attached drawing sheet.

24. DRAWING SHEET 8.22 – FIRST FLOOR PLAN – DEMOLITION – PLUMBING

- a. Remove sinks, gas turrets and associated piping under Add Alternate #5. See attached sheet.
- b. Existing toilet rooms: Remove plumbing fixtures and associated piping. See attached sheet.

25. DRAWING SHEET 8.23 – SECOND FLOOR PLAN – DEMOLITION – PLUMBING & HEATING

- a. Science Classroom – Remove sinks, gas turrets and associated piping under add alternate #5. See attached sheet.

26. DRAWING SHEET 8.31 – UNDERFLOOR PLAN – AREA B – PLUMBING & HEATING

- a. Add electric water cooler & associated piping. See attached sheet.

27. DRAWING SHEET 8.32 – GROUND FLOOR PLAN – AREA A - PLUMBING & HEATING

- a. KITCH STOR A34 – Add sink designation SK-6. See attached sheet.
- b. Add note #47 to flexible below floor piping. See attached sheet.

28. DRAWING SHEET 8.33 – FIRST FLOOR PLAN – AREA A – PLUMBING & HEATING AND ENLARGED FIRST FLOOR PLAN – AREA A – PLUMBING & HEATING
- a. Add piping to serve new science room plumbing fixtures under Add Alternate #5. See attached sheet.
29. DRAWING SHEET 8.34 – FIRST FLOOR PLAN – AREA B – PLUMBING & HEATING
- a. Add electric water cooler & associated piping. See attached sheet.
30. DRAWING SHEET 8.35 – SECOND FLOOR PLAN – AREA A – ALTERNATE #5 – PLUMBING & HEATING
- a. Add plumbing fixtures and associated piping under Add Alternate #5. See attached sheet.
31. DRAWING SHEET 8.36 – SECOND FLOOR PLAN – AREA B – PLUMBING & HEATING
- a. Add electric water cooler & associated piping. See attached sheet.
32. DRAWING SHEET 8.50 – GROUND FLOOR PLAN – AREA A – VENTILATION & A/C
- a. Restroom A33: provide thermostat to control radiant heat.
33. DRAWING SHEET 8.51 – GROUND FLOOR PLAN – AREA B – VENTILATION & A/C
- a. Electrical room B002: provide thermostat to control unit heater.
34. DRAWING SHEET 8.52 – FIRST FLOOR PLAN – AREA A – VENTILATION & A/C
- a. Existing Gym O/A intake louver is 88” wide x 32” tall.
 - b. Replace existing thermostats with new in Band A102, Choir A103, and Gym A104.
35. DRAWING SHEET 8.55 – SECOND FLOOR PLAN – AREA B – VENTILATION & A/C
- a. Add roof mounted relief fans RF-1 & 2. Provide with 18” insulated roof curb and motorized damper. Duct down to return air duct and provide insulation wrap.
 - b. Add thermostat in Jan B209 to control fin tube heat. See attached drawing sheet.

ELECTRICAL ITEMS:

36. DRAWING SHEETS 9.10, 9.20, 9.21, 9.22, 9.31, 9.32, 9.33, 9.34, 9.36, 9.37, 9.40, 9.41, AND 9.42
- a. See the attached revision drawings.

GENERAL APPROVALS:

The following material or equipment furnished by the manufacturers listed may be substituted as equal, providing that each item, material, and piece of equipment conforms to the design and requirements of the Drawings and Project Manual.

SECTION	ITEM	MANUFACTURER
07423	COMPOSITE METAL PANEL	Alfrex FR Metal Composite Material – Custom Color Match to UNA-CLAD – Regal RED

105513

METAL LOCKERS

Scranton Products
Duralife Metal Lockers

230800 – 1.06

Unit Ventilators

Magic Aire

230800 – 1.17

Air Cooled Chiller

Dunham Bush

230800 – 1.18

Fan Powered VAV Terminals

Greenheck

230800 – 1.19

VAV/Reheat Terminals

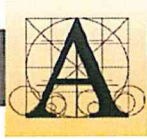
Greenheck

END OF ADDENDUM



Architecture Incorporated
SIOUX FALLS ■ RAPID CITY

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FIEGEN CONST	KASEY KOSTERMAN	KASEY@FIEGENCONSTRUCTION.COM	800 507-820-0205
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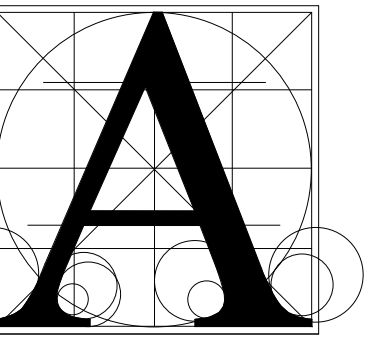
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SIOUX FALLS ■ RAPID CITY

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Planholders List - St. Mary Catholic School Addition Remodel
 Dell Rapids, South Dakota
 Architecture Incorporated Project Number: 2788
 BID DATE: 2:00 p.m. CT on Thursday, September 8, 2022

CATEGORY	NAME	ADDRESS1	ADDRESS2	CITY	STATE	ZIP	PHONE	FAX	E-MAIL
<u>A/E Consultant</u>									
	Architecture Incorporated	415 South Main Avenue	PO Box 2140	Sioux Falls	SD	57101-2	605-339-1711	605-339-2331	mail@architectureinc.com
	Associated Consulting Engineering Inc	340 South Phillips Avenue		Sioux Falls	SD	57104	605-335-3720	605-335-6220	acei@aceinet.com
	Structural Engineering Associates, Inc.	401 East 8th Street	Suite 201	Sioux Falls	SD	57103-7	605-334-0188	605-334-1669	greg@seasd.com
<u>Electrical</u>									
	Dells Electric	329 East 3rd Street		Dell Rapids	SD	57022	605-428-5700	605-428-4038	Mike.Carpenter@dellselectric.com
<u>Exchange</u>									
	Aberdeen Builders Exchange	302 North Jackson Street		Aberdeen	SD	57401	605-225-4733		dakotabuild@midconetwork.com
	Bismarck Builders Exchange	215 Airport Road	Ste 202	Bismarck	ND	58504	701-258-4215	701-258-1391	info@bbxnd.com
	CMD Group	30 Technology Parkway South	Suite 100	Norcrosse	GA	30092			docprocessing@cmdgroup.com
	Construction Industry Center	2771 Plant Street	PO Box 1227	Rapid City	SD	57702	605-343-5252	605-343-4591	constructionindustrycenter@gmail.com
	Fargo-Moorhead Builders	1010 Page Drive		Fargo	ND	58106	701-237-6772	701-232-1653	info@fmbx.org

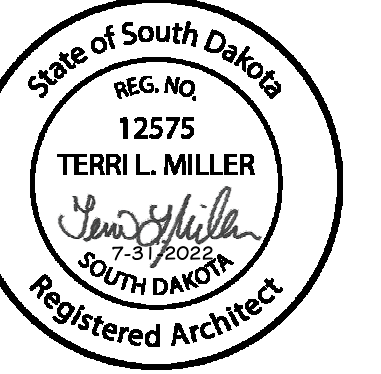
CATEGORY	NAME	ADDRESS1	ADDRESS2	CITY	STATE	ZIP	PHONE	FAX	E-MAIL
	Lincoln Builders Bureau	5910 South 58th Street	Suite C	Lincoln	NE	68516	402-421-8332	402-421-8334	info@buildersbureau.com
	Master Builders of Iowa	221 Park Street		Des Moines	IA	50309	515-288-8904		cuhelp@mbi.build
	Minnesota Builders Exchange	1123 Glenwood Avenue		Minneapolis	MN	55405	612-381-2620	612-381-2621	addenda@mbex.org
	Omaha Plan Room	4159 South 94th Street		Omaha	NE	68127	402-991-6906	408-884-7055	lisa.shockey@omahaplanroom.com
	Plains Builders Exchange	220 North Kiwanis Avenue		Sioux Falls	SD	57104	605-334-8886	605-334-0112	info@plainsbuilders.com
	Sioux City Construction League	3900 Stadium Drive		Sioux City	IA	51102	712-255-9730	712-255-3915	scplanroom@siouxlan.net
	Sioux Falls Builders Exchange	1418 C Avenue		Sioux Falls	SD	57104	605-357-8687	605-357-8655	info@sfbx.com
<u>General Contractor</u>									
	Fiegen Construction	3712 S. Western Avenue	Suite 200	Sioux Falls	SD	57105	605-335-6000	605-335-3346	marshal@fiegenconstruction.com
	Gil Haugan Construction	200 East 60th Street	North	Sioux Falls	SD	57104	605-336-6082	605-336-0051	ALundquist@gilhaugan.com
	Hoogendoorn Construction (AK)	47895 US Highway 18		Canton	SD	57013	605-987-4419	605-987-4485	arick@hoogendoornconstruction.com
	Peska Construction (Jordan Lardy)	2700 North 4th Avenue		Sioux Falls	SD	57104	605-334-0173	605-334-0102	j.lardy@peskaconstruction.com
<u>Owner</u>									
	St. Mary Catholic School	Fr. Shane Stevens	608 East 8th Street	Dell Rapids	SD	57022	605-428-5591		



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CONSTRUCTION PHASING NOTES

- GENERAL CONTRACTOR TO VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS AT THE JOB SITE. REPORT DISCREPANCIES TO ARCHITECT.
- CONTRACTOR TO PROVIDE 6'-0" TEMPORARY CHAINLINK FENCE AT PERIMETER OF CONSTRUCTION.
- REFER TO MECHANICAL/ELECTRICAL / CIVIL DRAWINGS FOR SPECIFIC PHASING PROVISIONS.
- REFER TO SECTION 01 1000 FOR ADDITIONAL PHASING DESCRIPTION REQUIREMENTS.

CONSTRUCTION PHASING NOTES

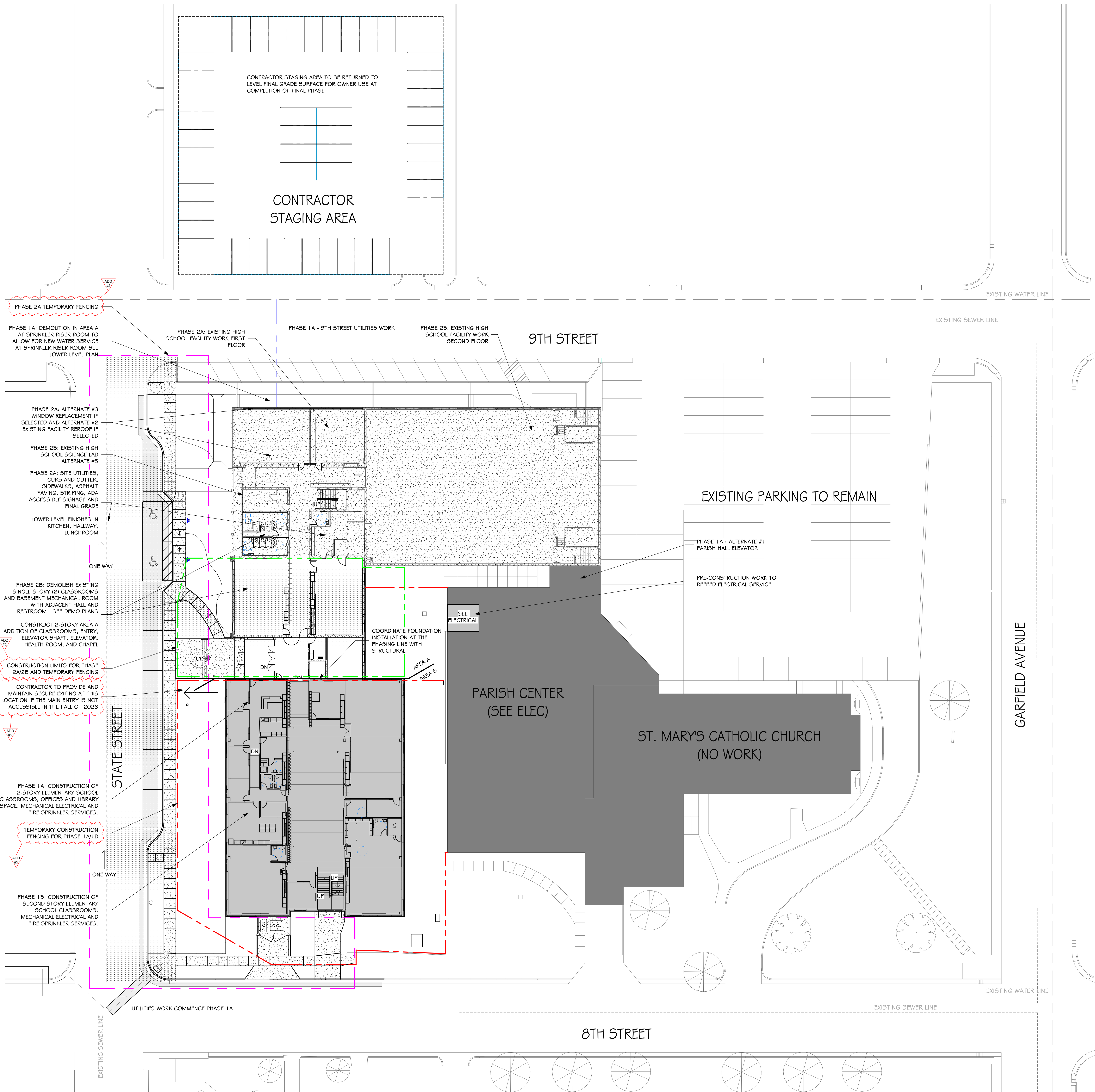
PHASE 1A: CONSTRUCTION OF THE ELEMENTARY / ADMINISTRATION AREA
CONSTRUCTION CAN BEGIN UPON NOTICE TO PROCEED - SEPTEMBER 26, 2022
SUBSTANTIAL COMPLETION NO LATER THAN AUGUST 15, 2023

PHASE 1B: CONSTRUCTION OF THE ELEMENTARY SECOND FLOOR
CONSTRUCTION CAN BEGIN UPON NOTICE TO PROCEED - SEPTEMBER 26, 2022
SUBSTANTIAL COMPLETION NO LATER THAN DECEMBER 15, 2023

PHASE 1C: HIGH SCHOOL ELECTRICAL REFEED
CONSTRUCTION COMMENCES DECEMBER 22, 2022
SUBSTANTIAL COMPLETION NO LATER THAN DECEMBER 30, 2022

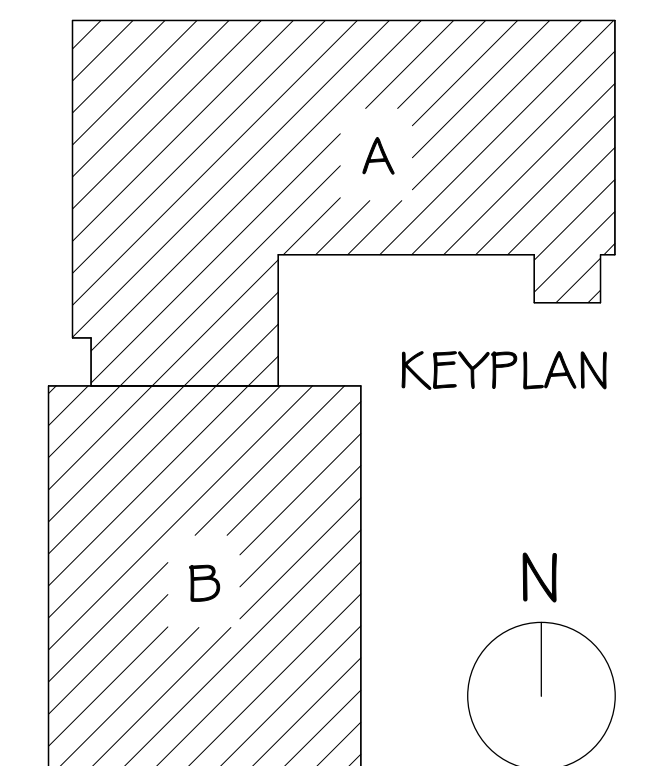
PHASE 2A: STATE STREET SITE WORK, HIGH SCHOOL LOWER LEVEL FINISHES WORK
CONSTRUCTION COMMENCES MAY 10, 2023
SUBSTANTIAL COMPLETION NO LATER THAN AUGUST 15, 2023

PHASE 2B: DEMOLITION OF THE EXISTING SINGLE STORY AND RECONSTRUCTION OF THE 2-STORY AREA A ADDITION
CONSTRUCTION COMMENCES MAY 10, 2023
SUBSTANTIAL COMPLETION NO LATER THAN DECEMBER 15, 2023



PHASING PLAN

SCALE: 1" = 20'-0"

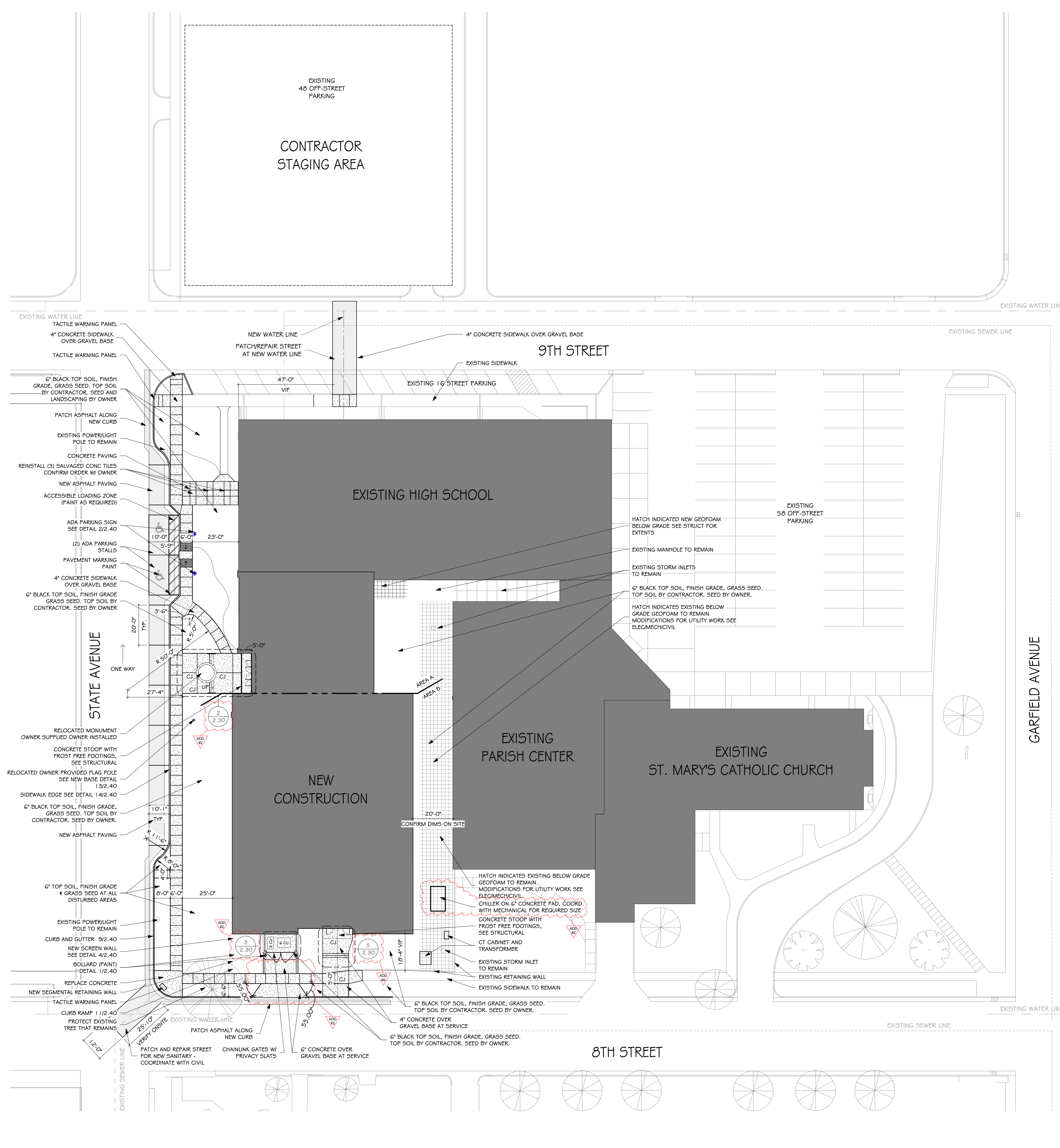


ST. MARY CATHOLIC SCHOOL ADDITION & REMODEL PHASING PLAN

Project	number	0413.2786.16	
date	July 31, 2022		
revision			
drawn	TLM	checked	TLM
DATE	09/23/22	DESCRIPTION	ADD #2

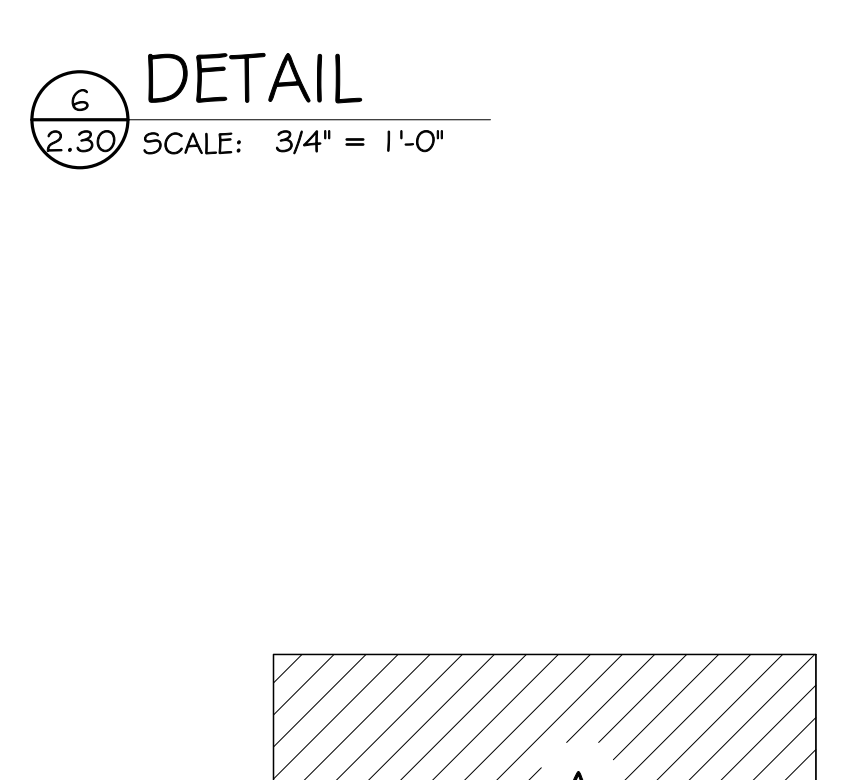
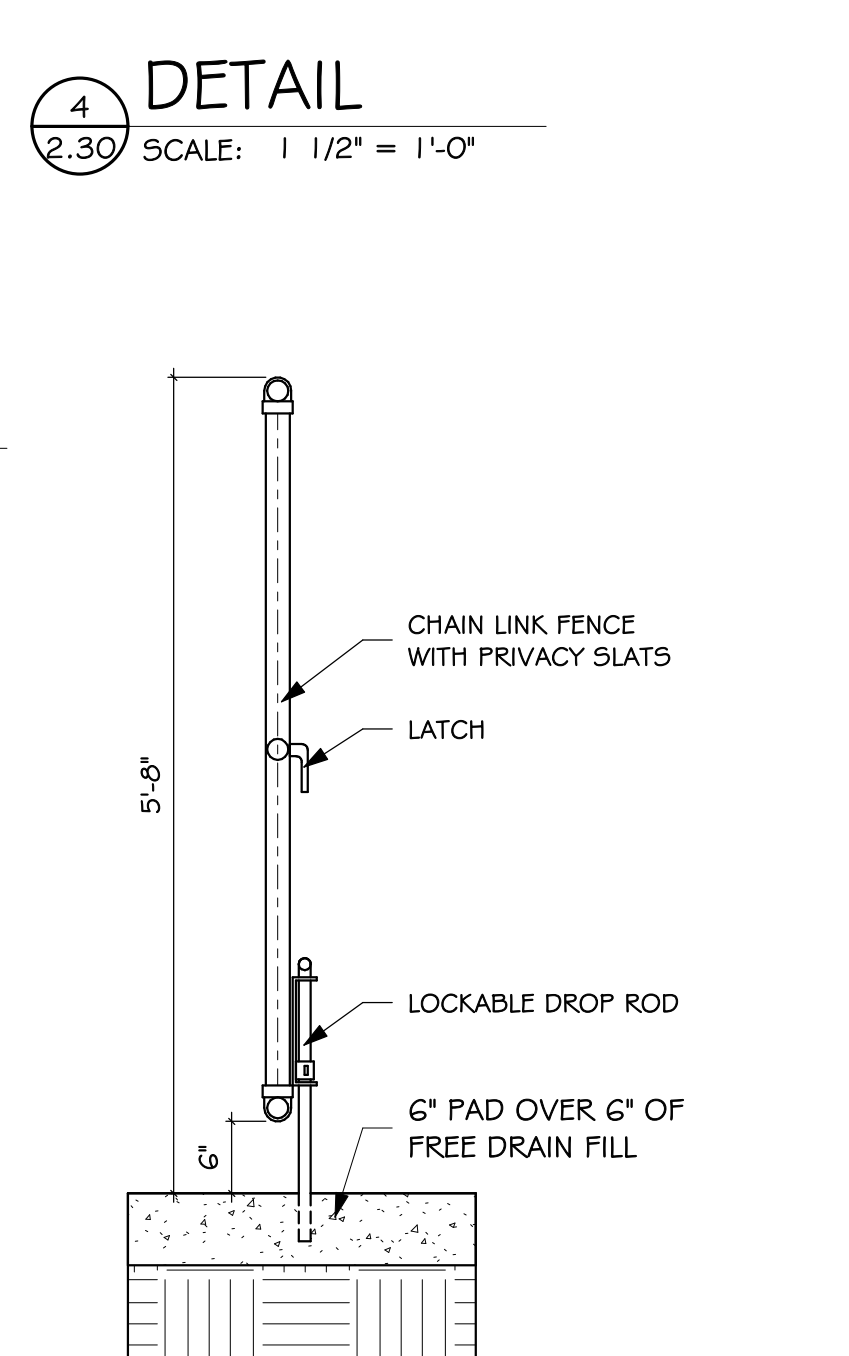
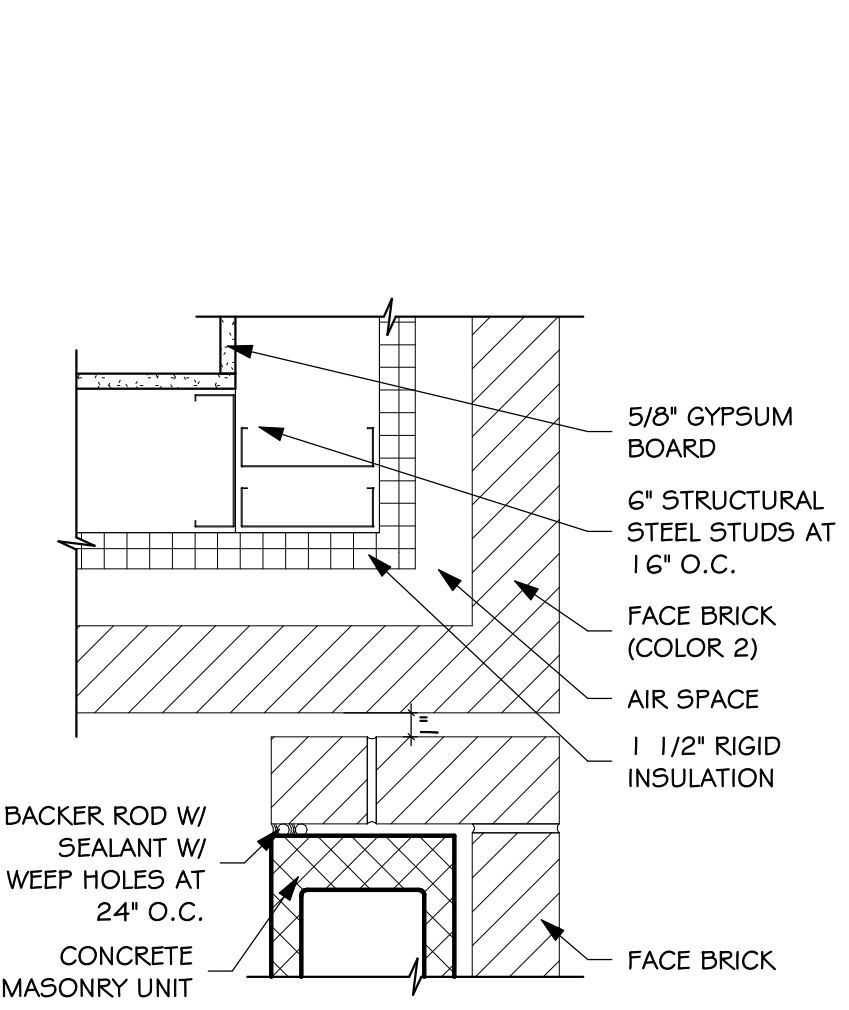
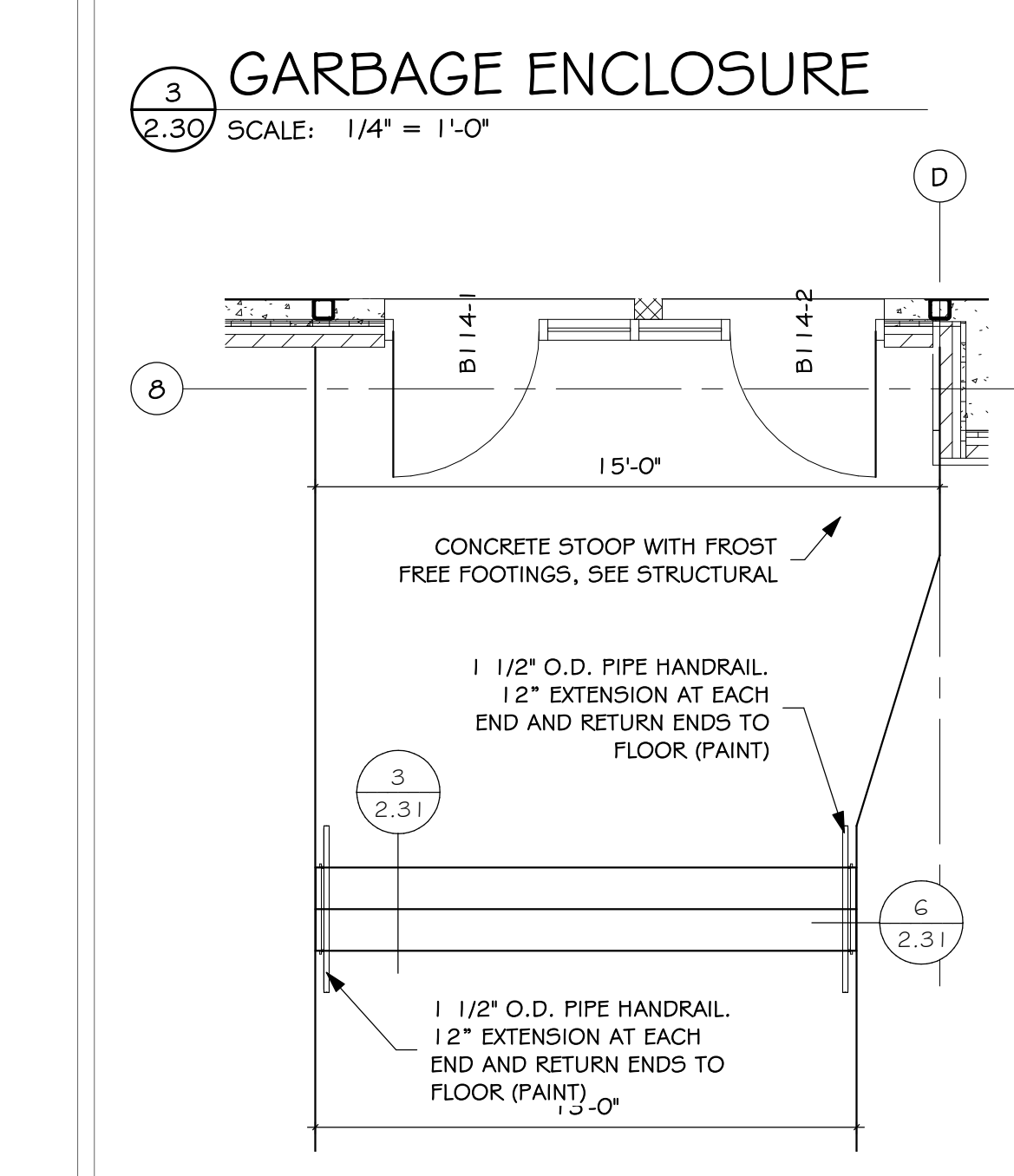
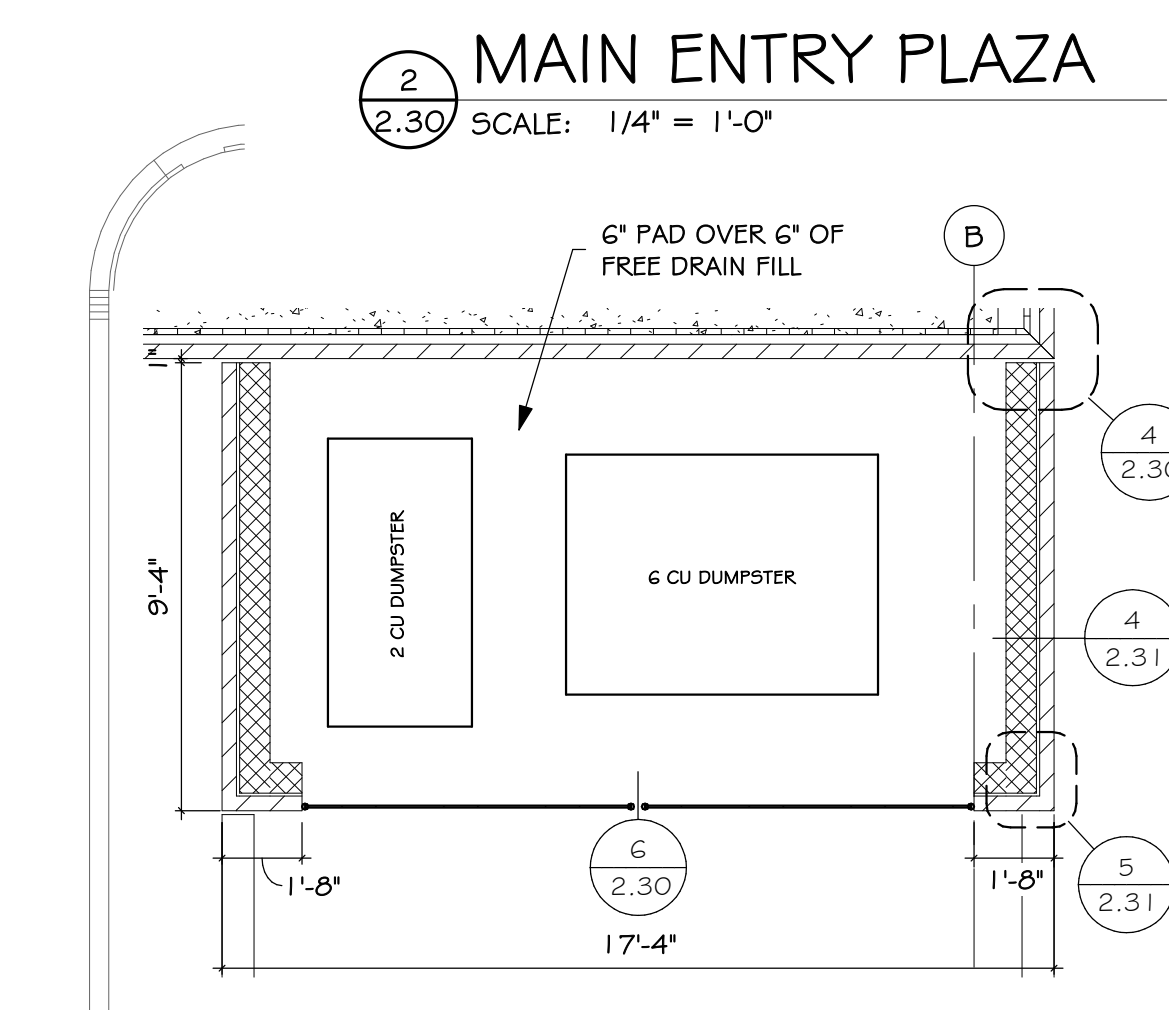
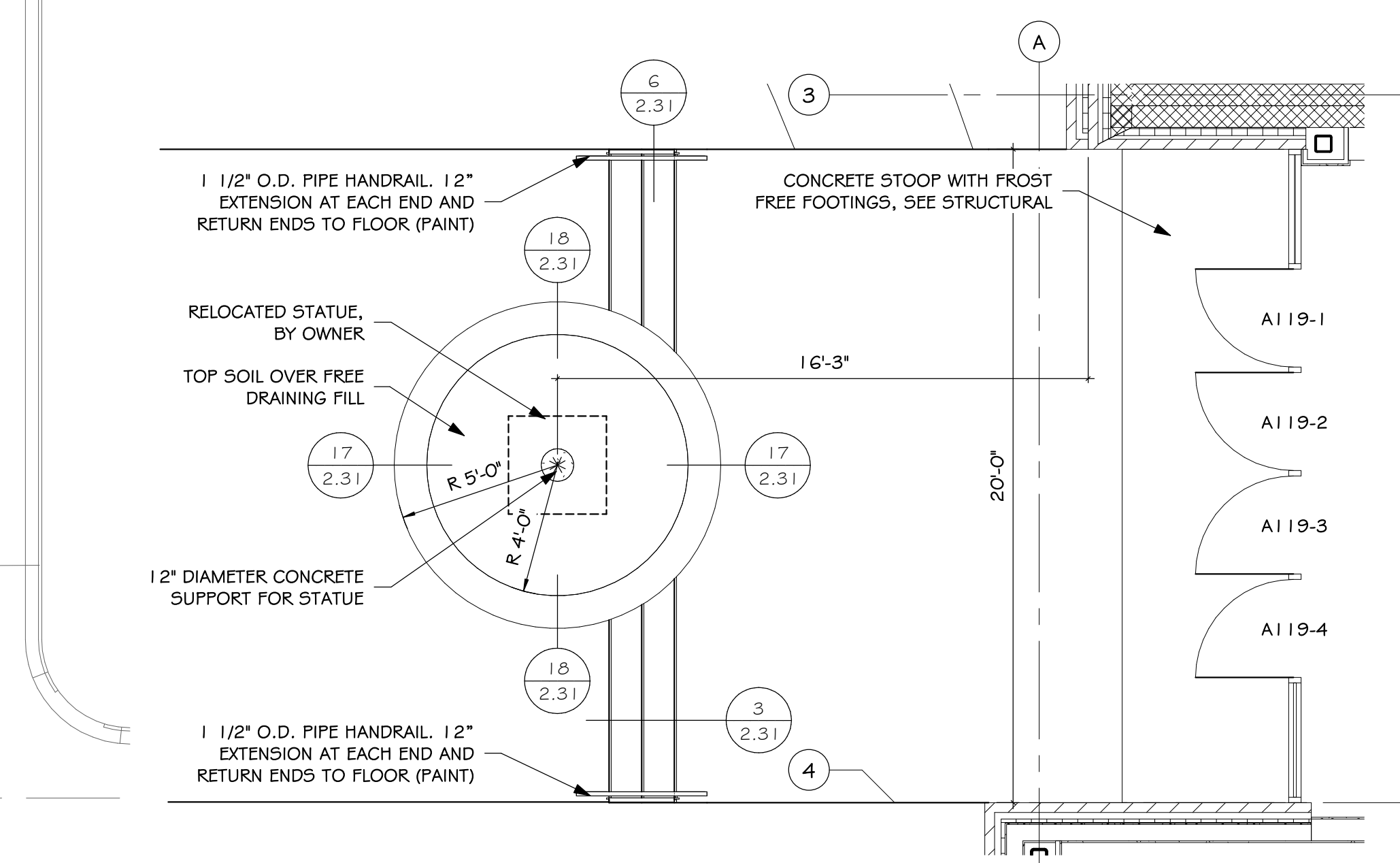
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24-Aug-22 10:26:00

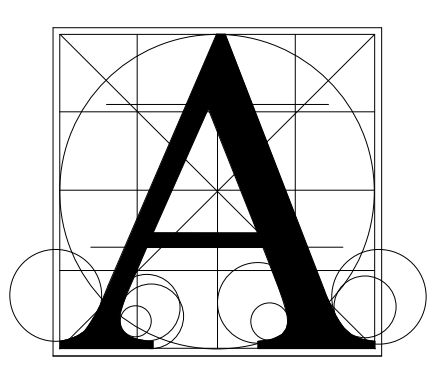
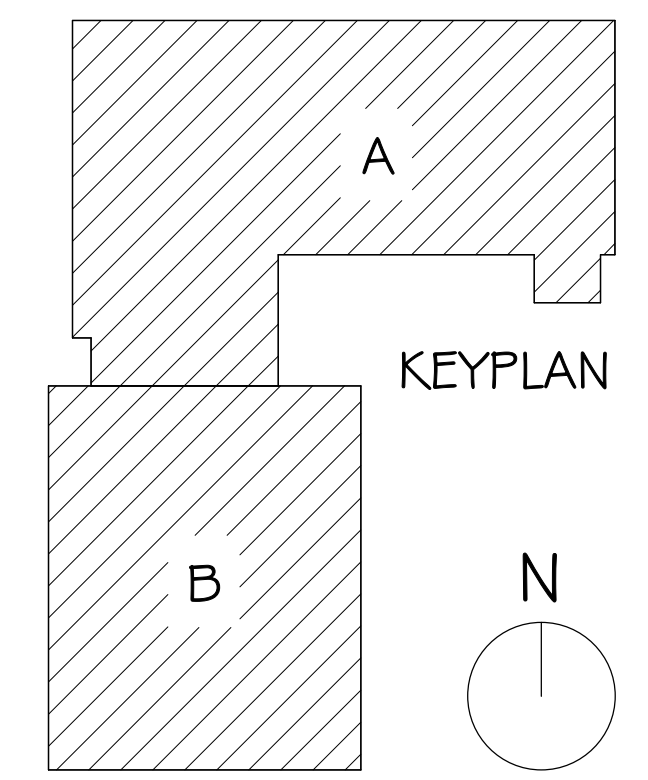


GENERAL NOTES - SITE PLAN

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.



SITE PLAN
 SCALE: 1" = 20'-0"



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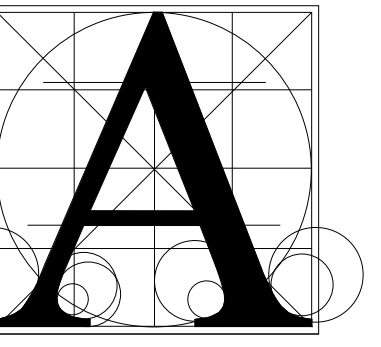
815 St. Joseph Street, Suite 203
 P.O. Box 8047
 Rapid City, South Dakota
 Phone: (605) 721-1158



ST. MARY CATHOLIC SCHOOL ADDITION & REMODEL
SITE PLAN

Project	number	0413.2788.18
date	July 31, 2022	
revision		
drawn	ZJG	checked TLM
DATE	09/23/22	DESCRIPTION
		ADD #2

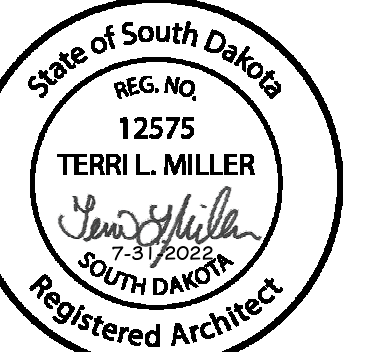
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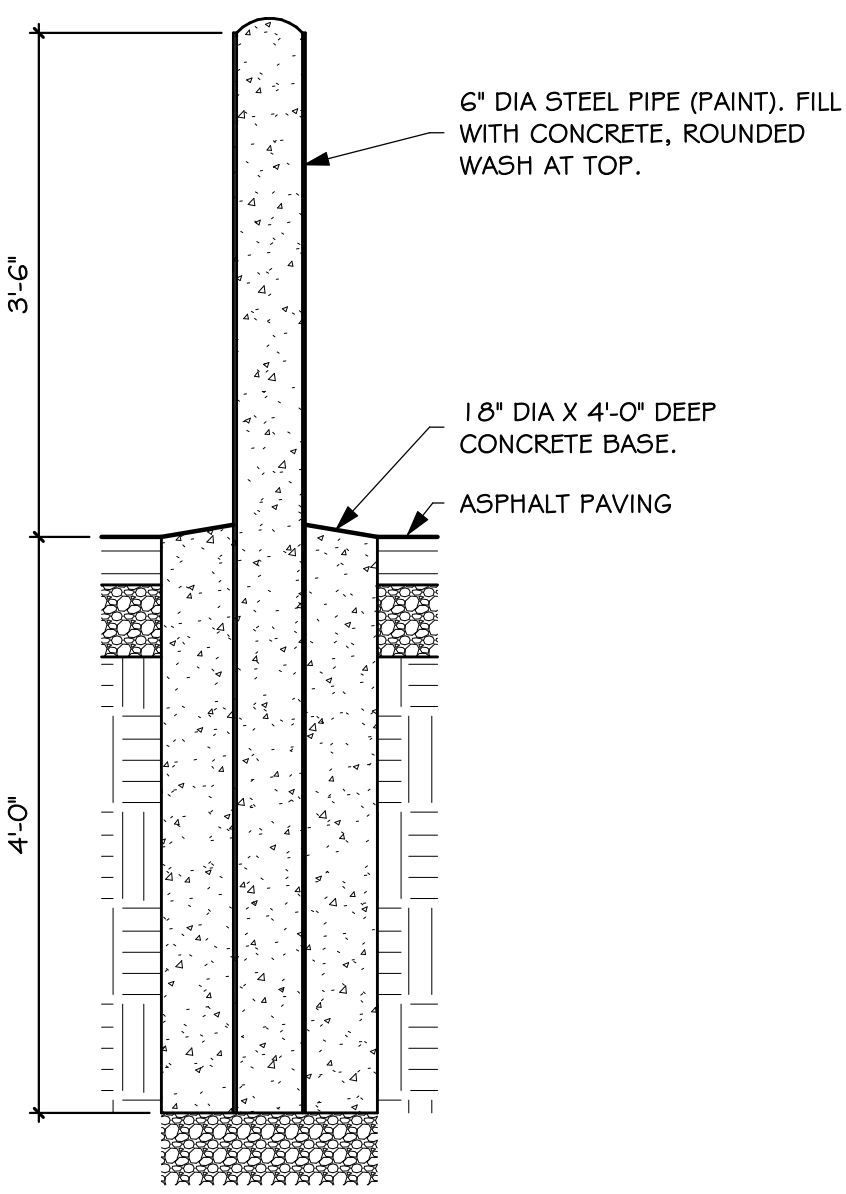
ST. MARY CATHOLIC SCHOOL ADDITION & REMODEL

SITE DETAILS

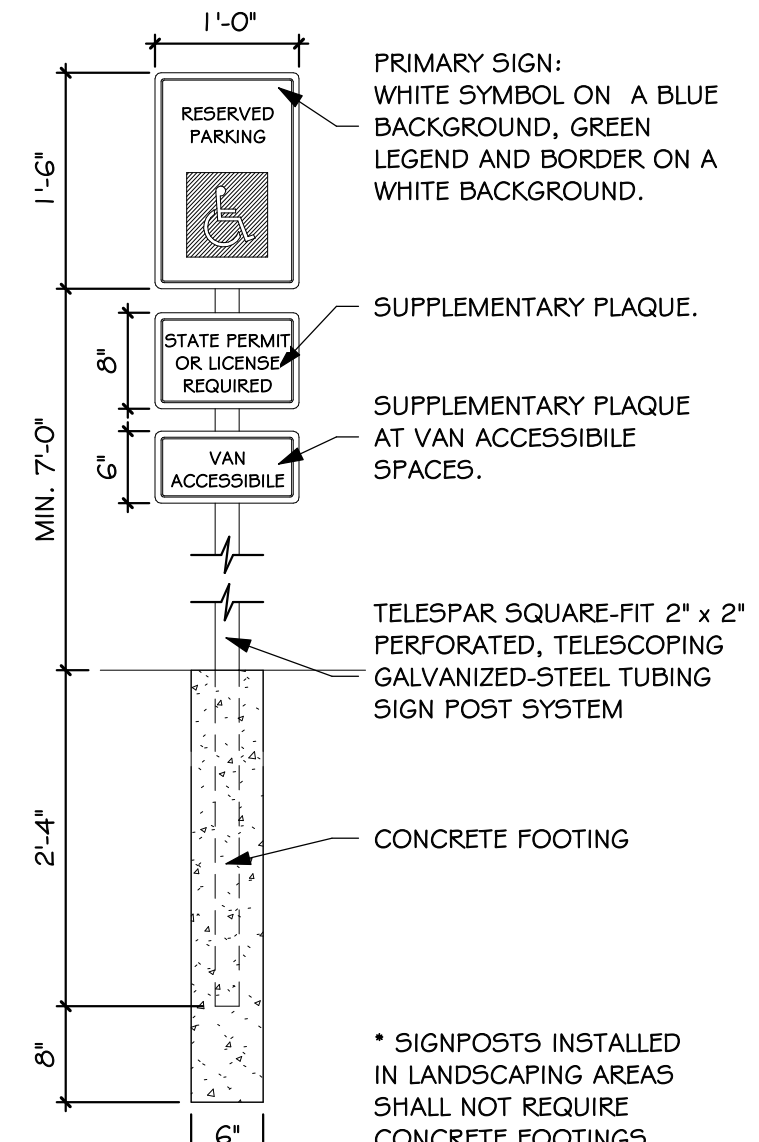
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date	July 31, 2022	
revision		
drawn	AMH	checked TLM
DATE	09/23/22	DESCRIPTION
		ADD #2

2.31

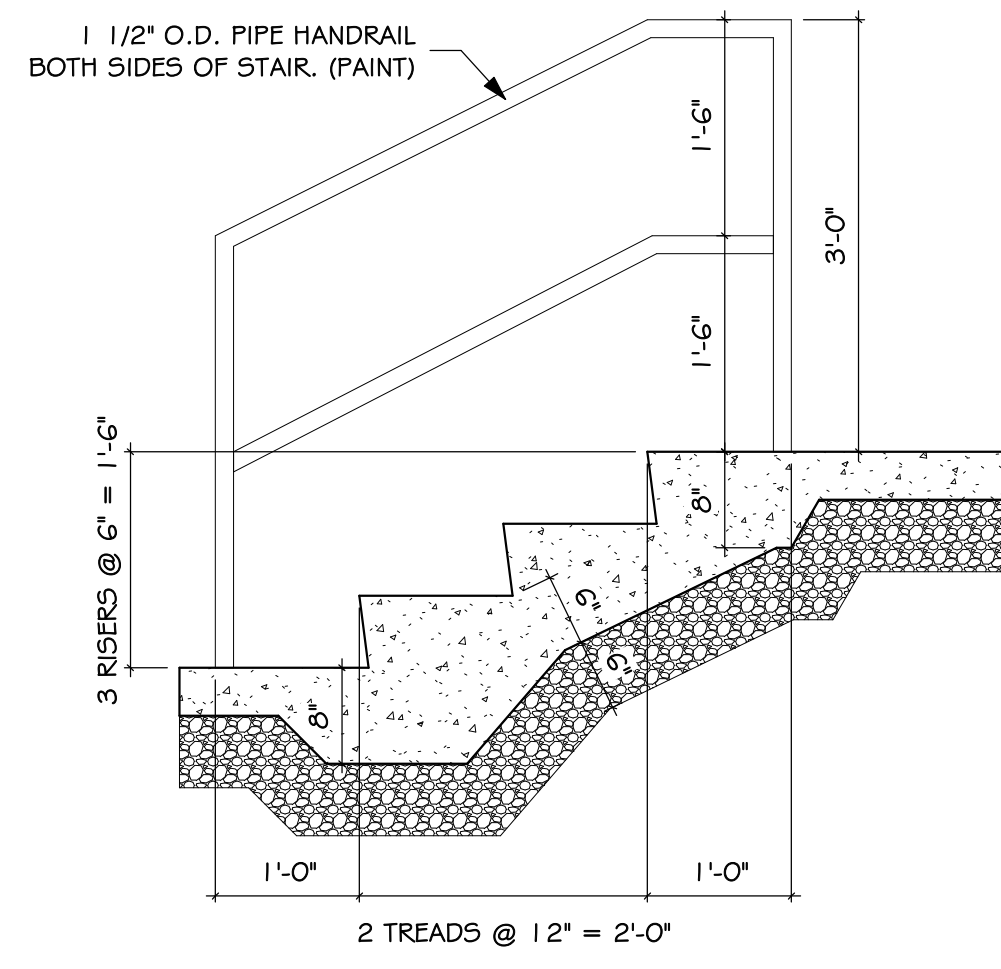
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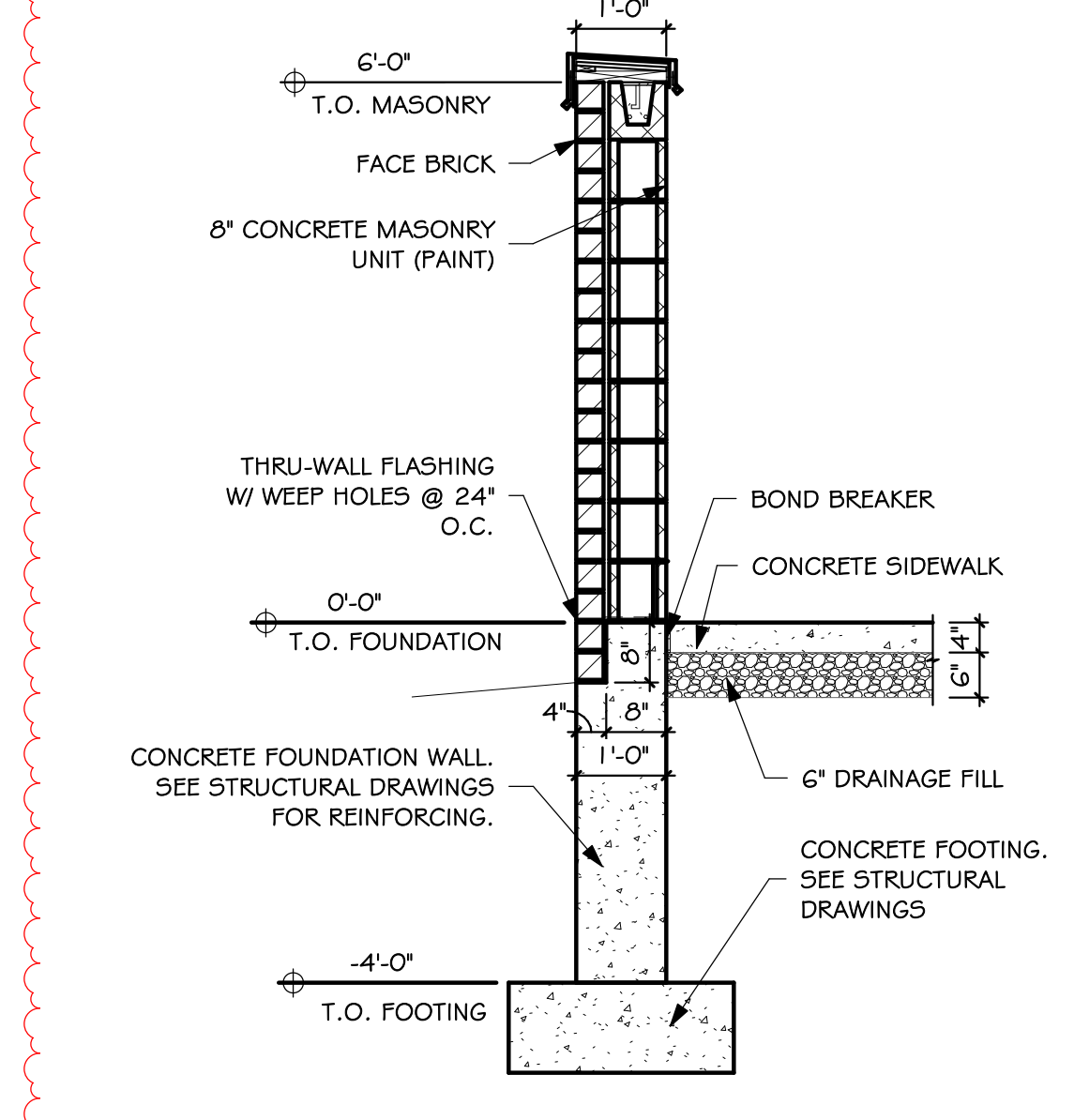
1 6" STEEL/CONCRETE BOLLARD
2.31 SCALE: 3/4" = 1'-0"



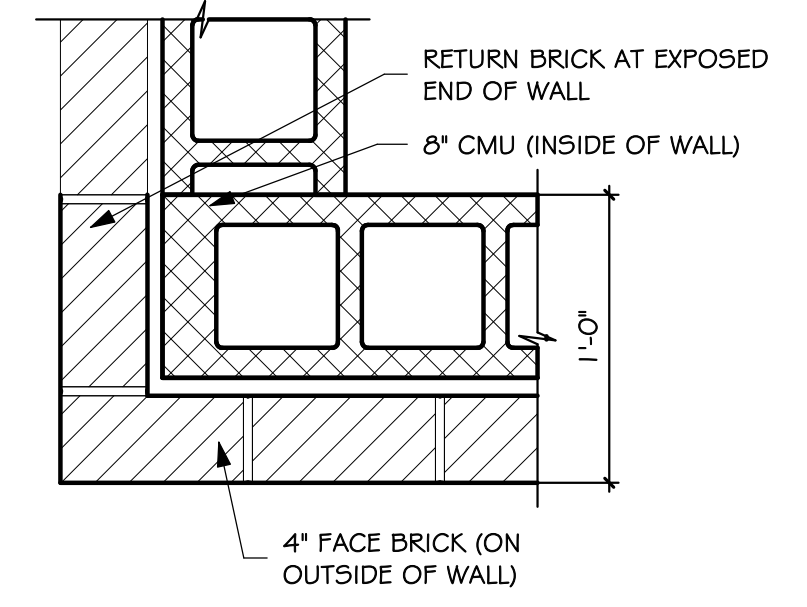
2 ACCESSIBLE PARKING SIGN
2.31 SCALE: 3/4" = 1'-0"



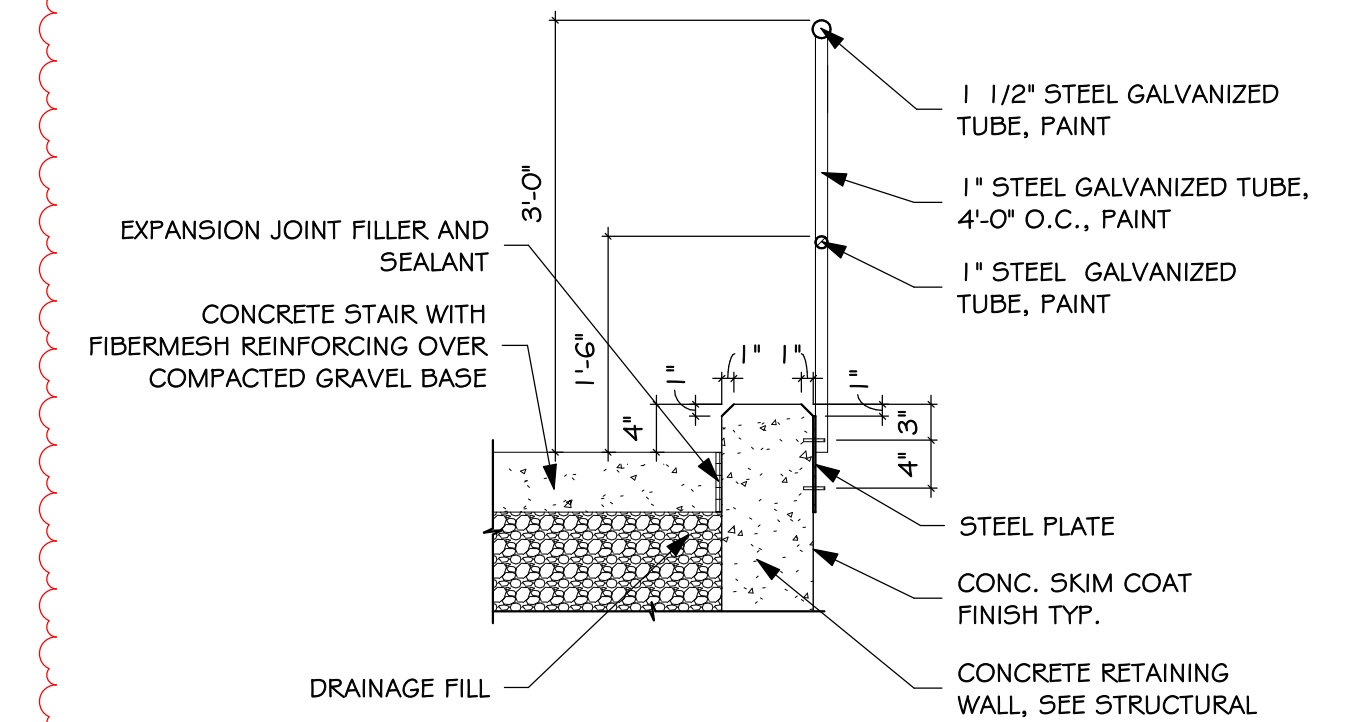
3 EXTERIOR STAIR
2.31 SCALE: 3/4" = 1'-0"



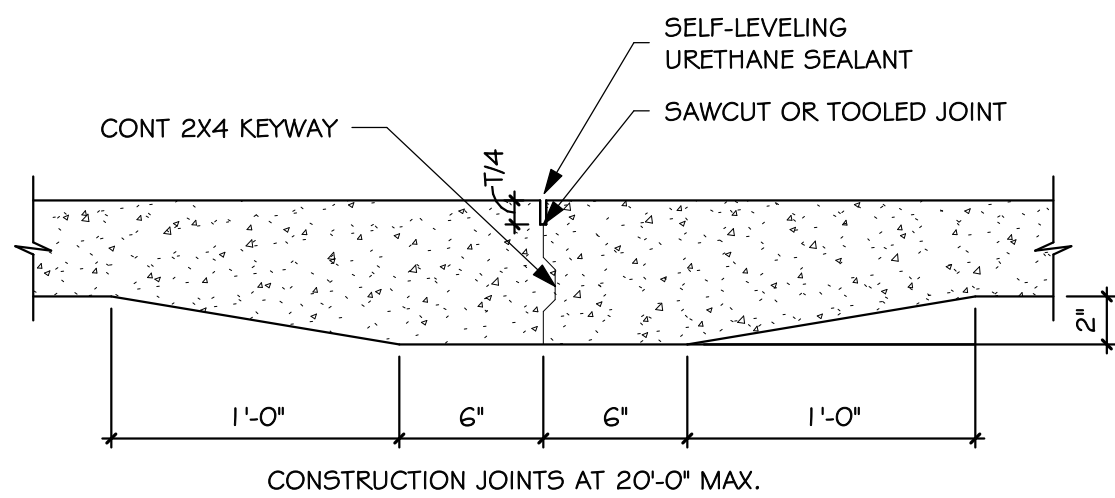
4 SCREEN WALL
2.31 SCALE: 1/2" = 1'-0"



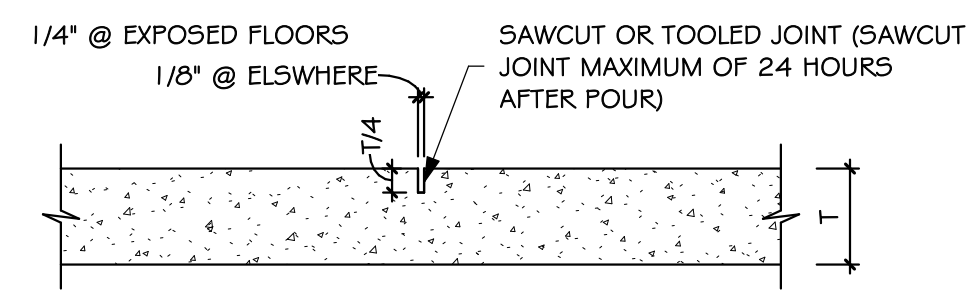
5 SCREEN WALL RETURNED BRICK
2.31 SCALE: 1/2" = 1'-0"



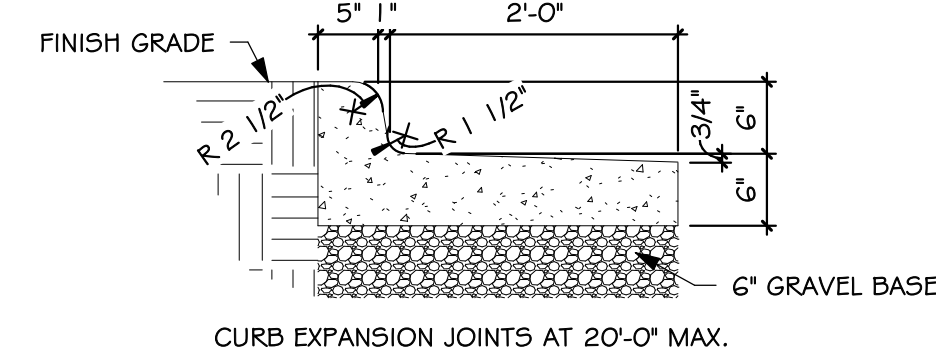
6 HANDRAIL DETAIL
2.31 SCALE: 3/4" = 1'-0"



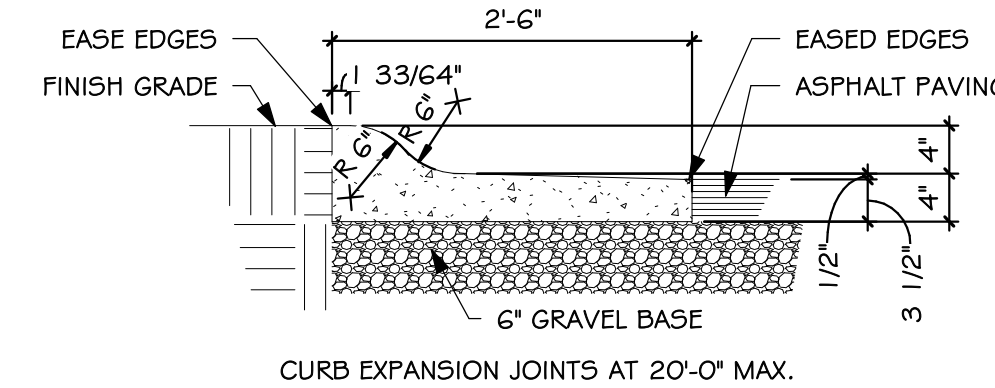
7 CONSTRUCTION JOINT
2.31 SCALE: 1 1/2" = 1'-0"



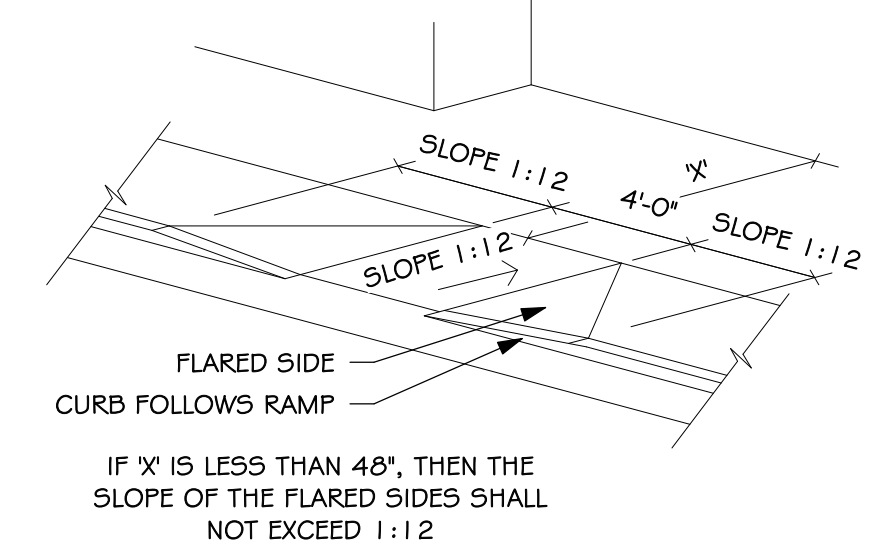
8 CONTROL JOINT
2.31 SCALE: 1 1/2" = 1'-0"



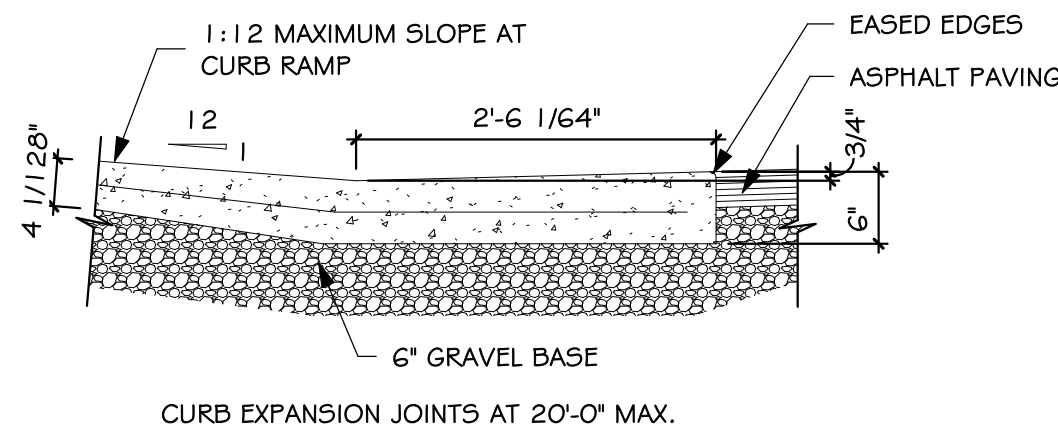
9 CURB & GUTTER - TYPICAL
2.31 SCALE: 3/4" = 1'-0"



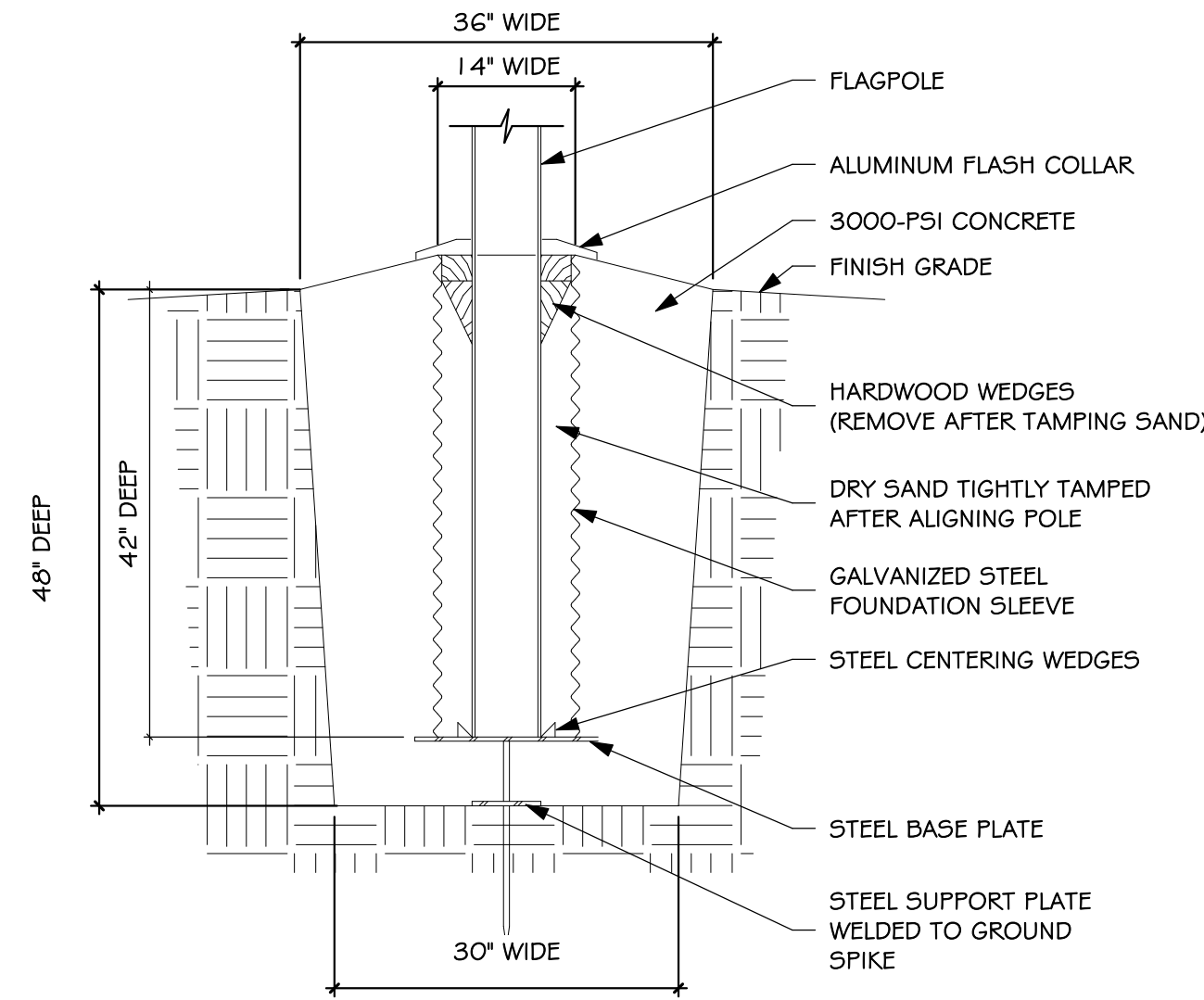
10 CURB - ROLLED
2.31 SCALE: 3/4" = 1'-0"



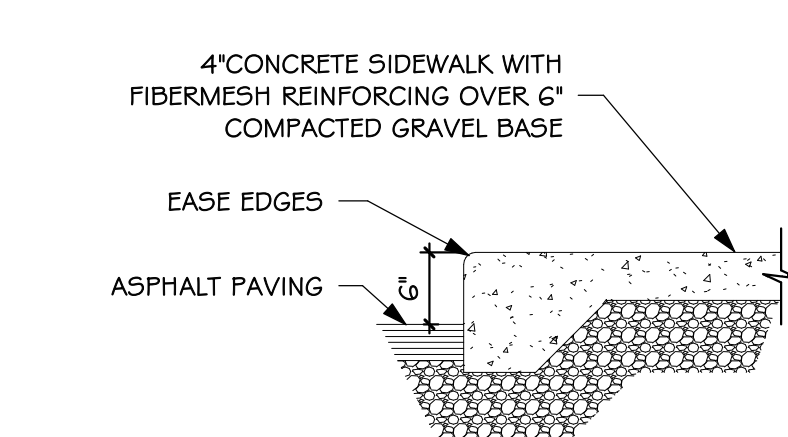
11 CURB RAMP
2.31 SCALE: 3/4" = 1'-0"



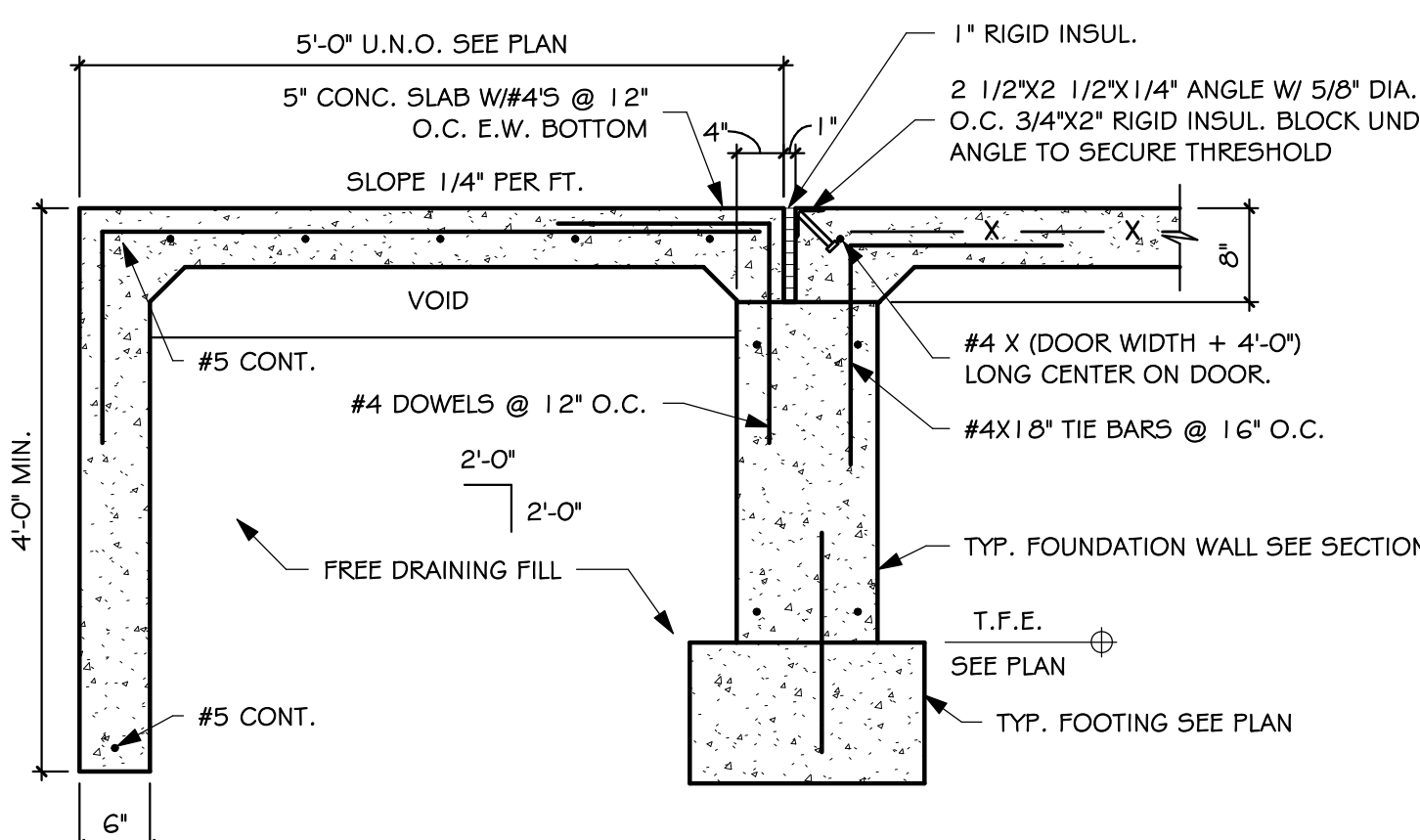
12 GUTTER AT CURB RAMP
2.31 SCALE: 3/4" = 1'-0"



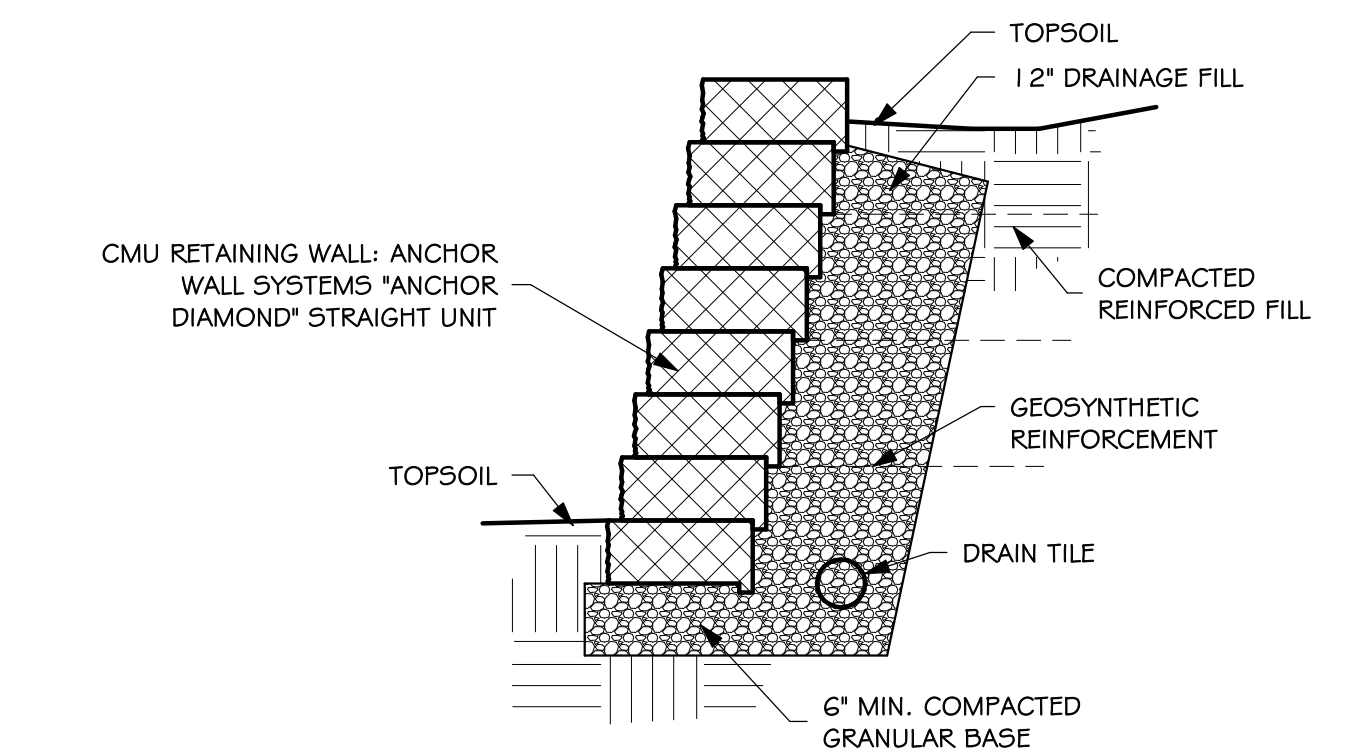
13 FLAG POLE BASE
2.31 SCALE: 3/4" = 1'-0"



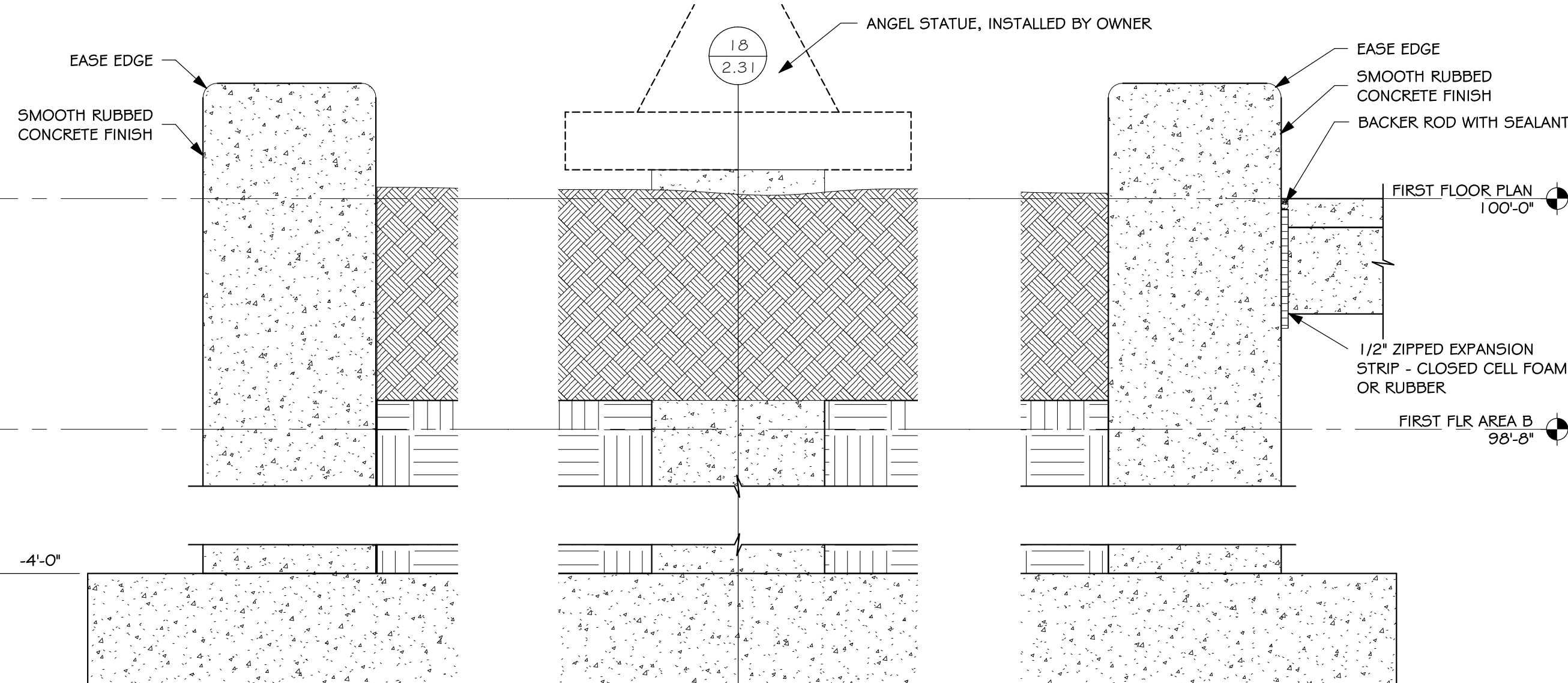
14 SIDEWALK EDGE
2.31 SCALE: 3/4" = 1'-0"



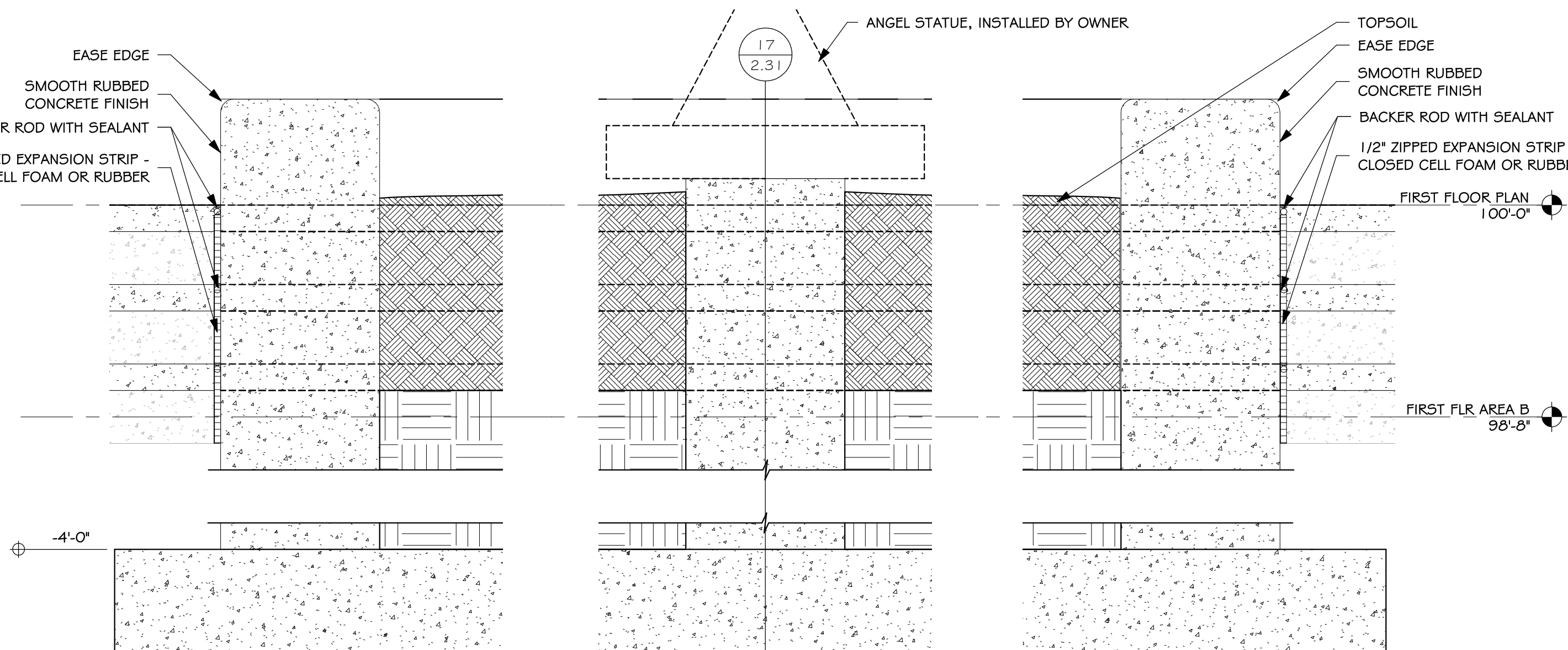
15 STOOP - TYPICAL
2.31 SCALE: 3/4" = 1'-0"



16 RETAINING WALL
2.31 SCALE: 3/4" = 1'-0"



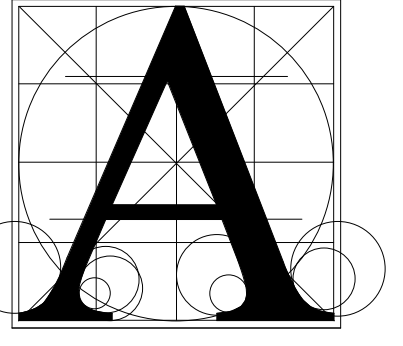
17 STATUE DETAIL
2.31 SCALE: 1 1/2" = 1'-0"



18 STATUE DETAIL
2.31 SCALE: 1 1/2" = 1'-0"

GENERAL NOTES - BUILDING SECTIONS

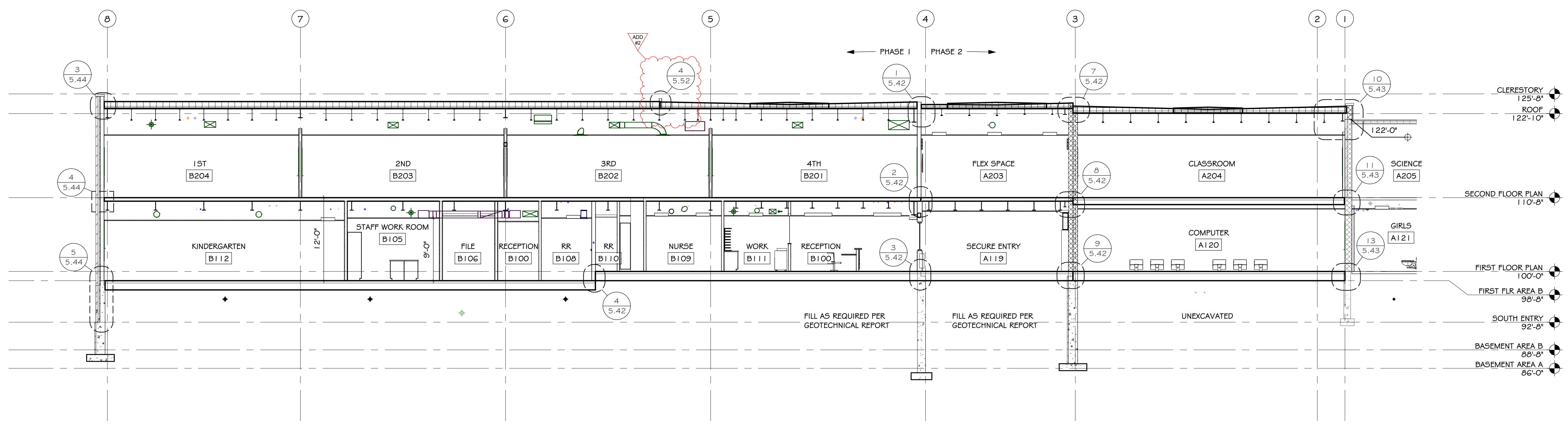
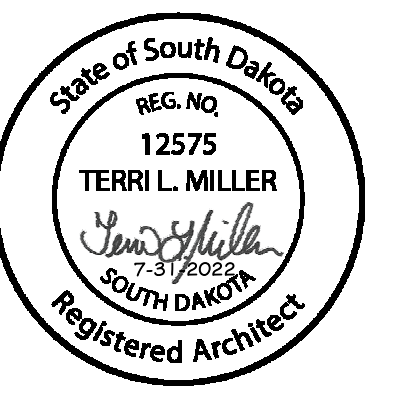
- GENERAL CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS AT THE JOB SITE. REPORT DISCREPANCIES TO THE ARCHITECT.
- COORDINATE BACKFILL WITH GEOTECH AND STRUCTURE FOR GEOFOAM LOCATIONS.
- SEE EARTH MOVING SPECIFICATION SECTION, GEOTECHNICAL REPORT & STRUCTURAL DRAWINGS FOR OVEREXCAVATION AND FILL.



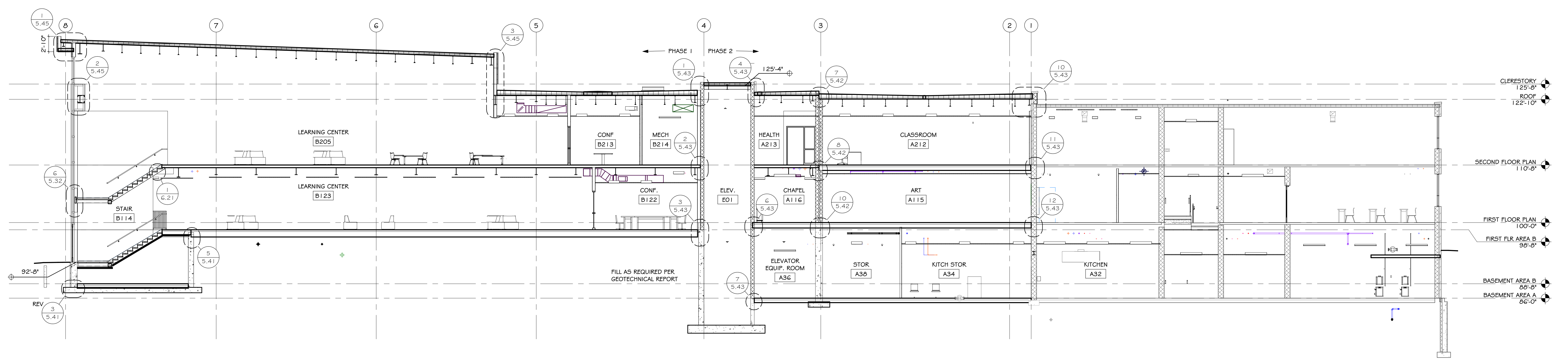
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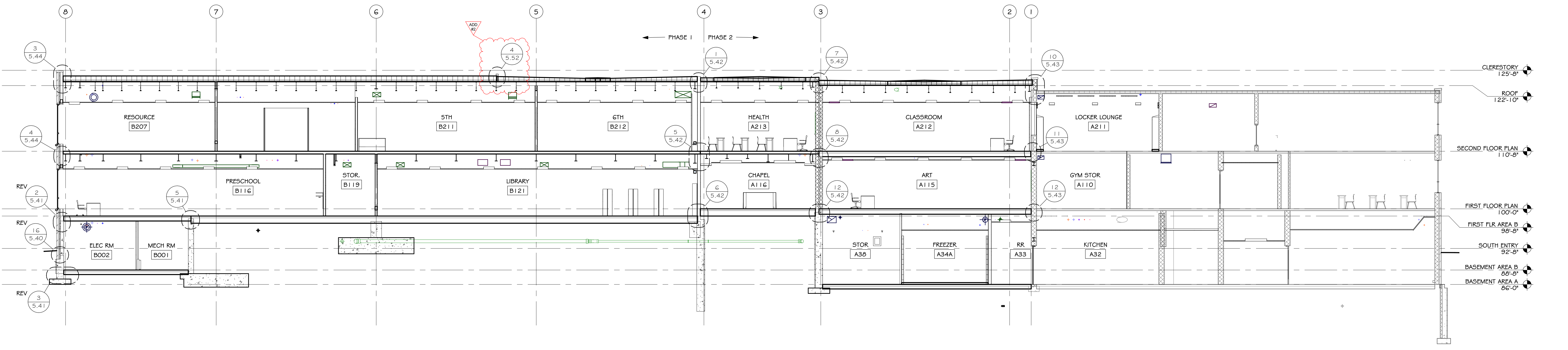
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Rapid City, South Dakota
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A BUILDING SECTION
SCALE: 1/8" = 1'-0"



B BUILDING SECTION
SCALE: 1/8" = 1'-0"



C BUILDING SECTION
SCALE: 1/8" = 1'-0"

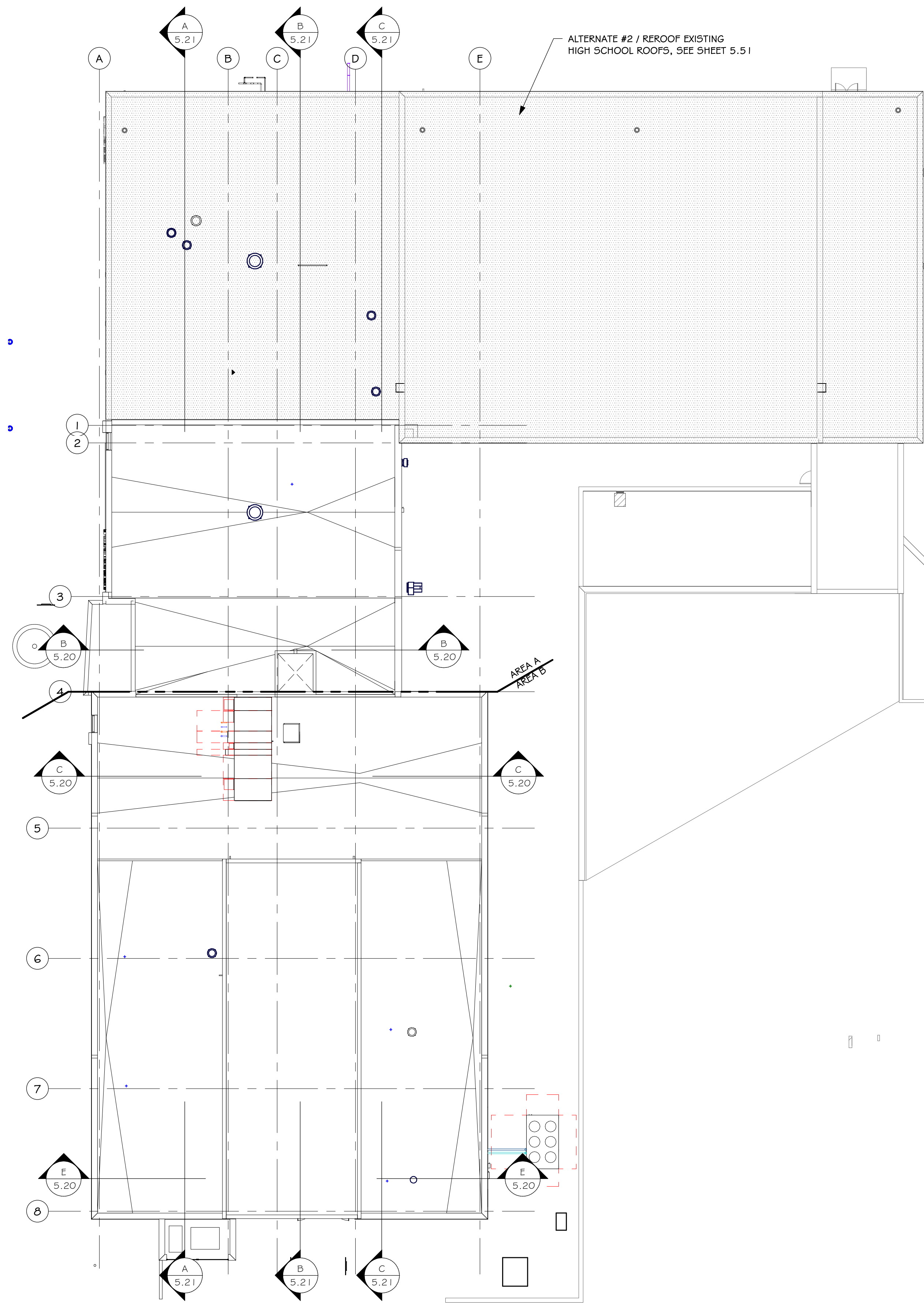
ST. MARY CATHOLIC SCHOOL ADDITION & REMODEL

BUILDING SECTIONS

Project	number	0413.2786.16
date	July 31, 2022	
revision		
drawn	ZJG	checked TLM
DATE	09/23/22	DESCRIPTION
		ADD #2

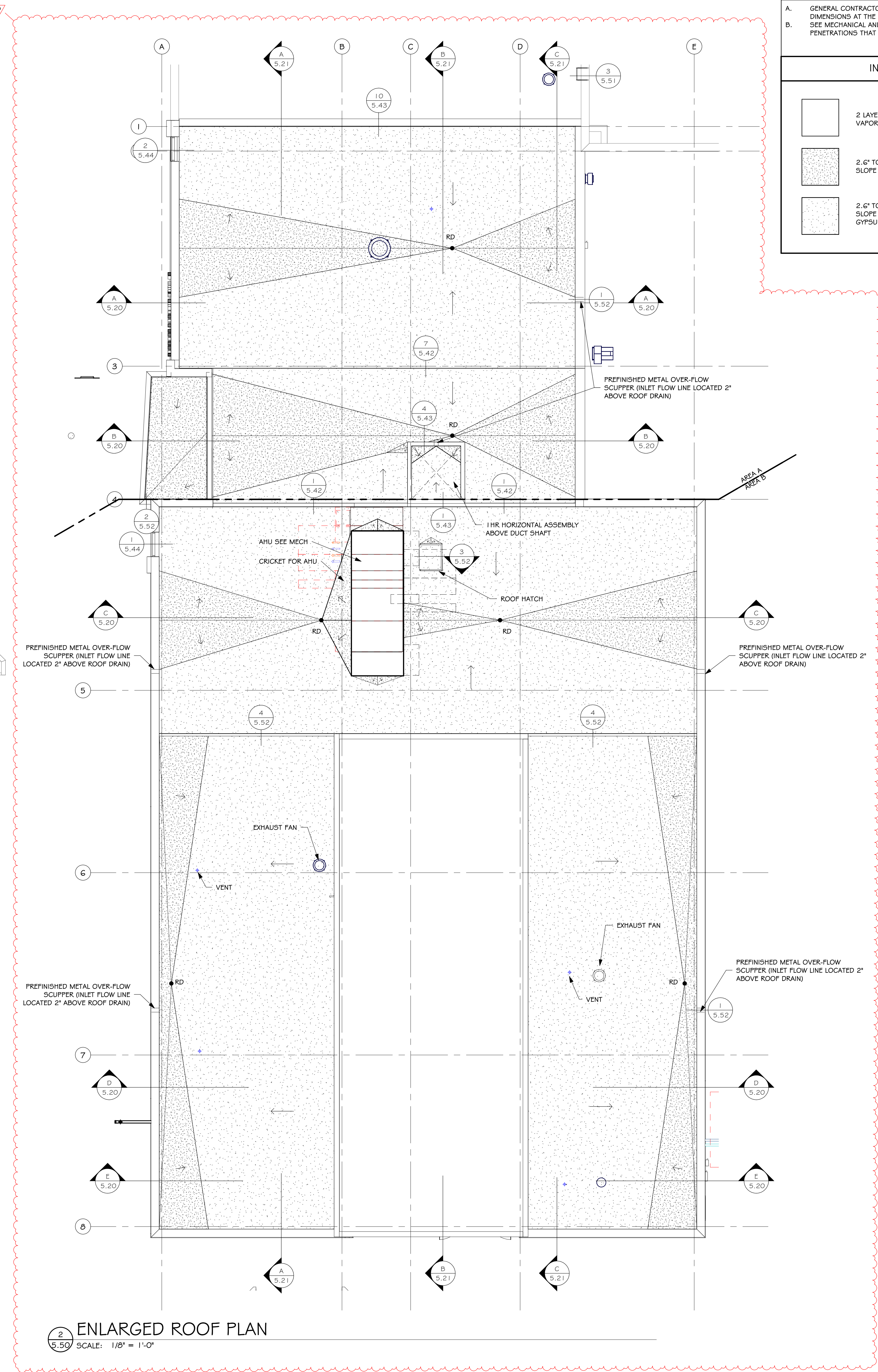
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24-Aug-22 10:26:11



OVERALL ROOF PLAN

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



ENLARGED ROOF PLAN

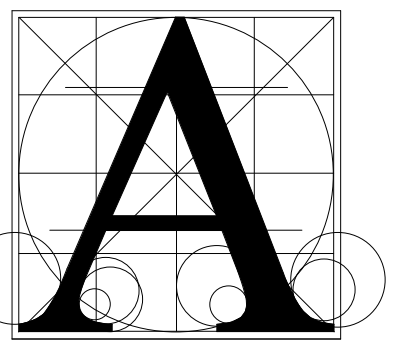
SCALE: 1/8" = 1'-0"

GENERAL NOTES - ROOF PLAN

- A. GENERAL CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS AT THE JOB SITE. REPORT DISCREPANCIES TO THE ARCHITECT.
- B. SEE MECHANICAL AND ELECTRICAL DRAWINGS FOR ADDITIONAL ROOF PENETRATIONS THAT MAY NOT BE INDICATED ON THIS SHEET.

INSULATION LEGEND

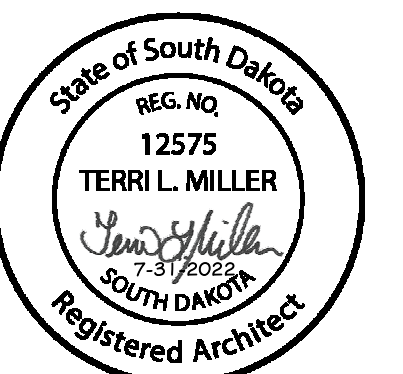
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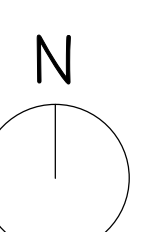
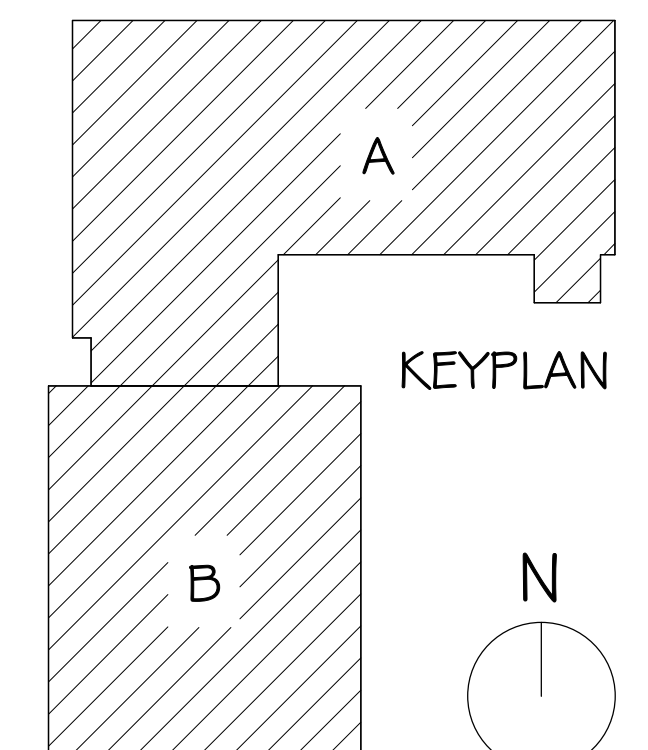
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ST. MARY CATHOLIC SCHOOL ADDITION & REMODEL

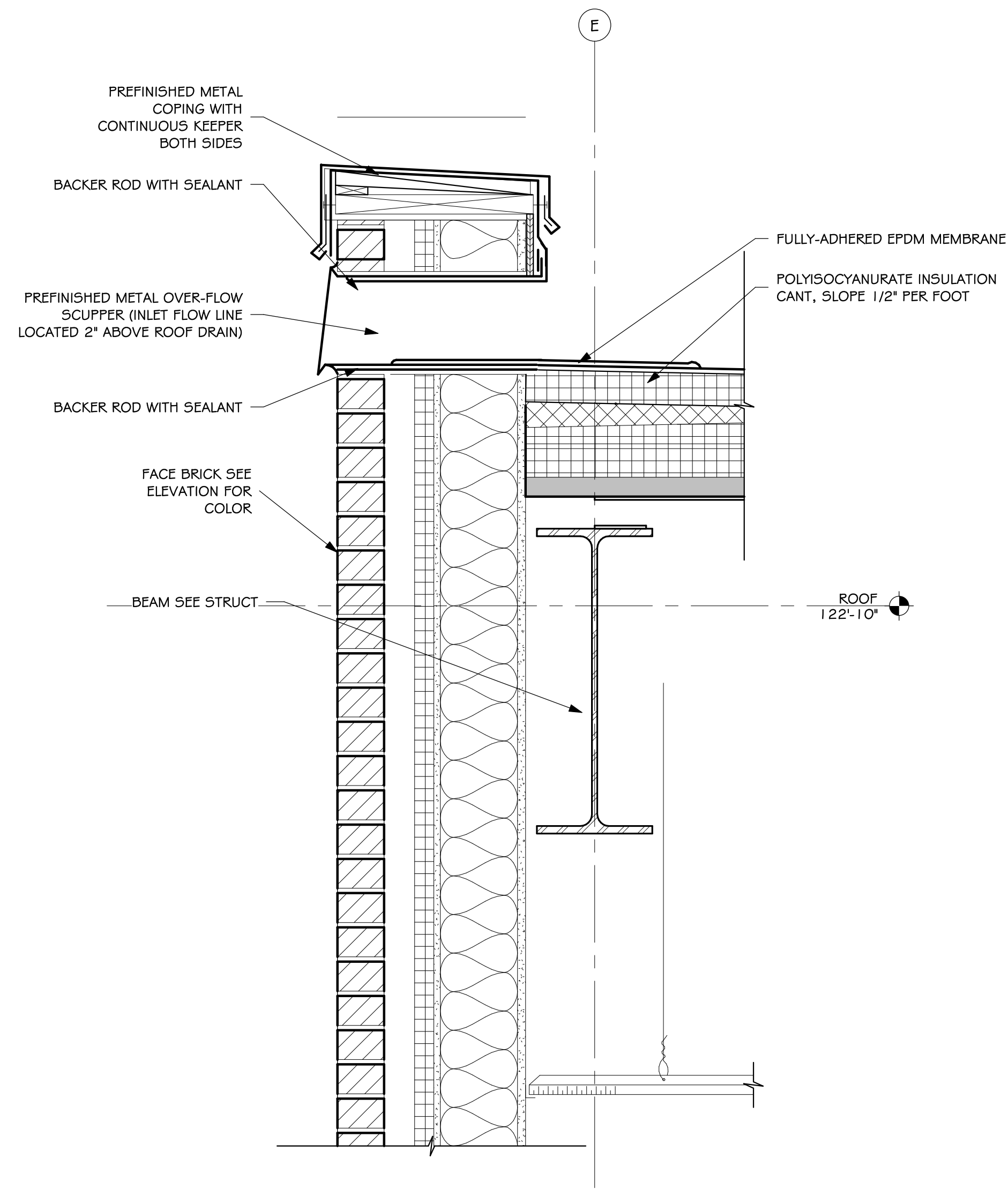
ROOF PLAN



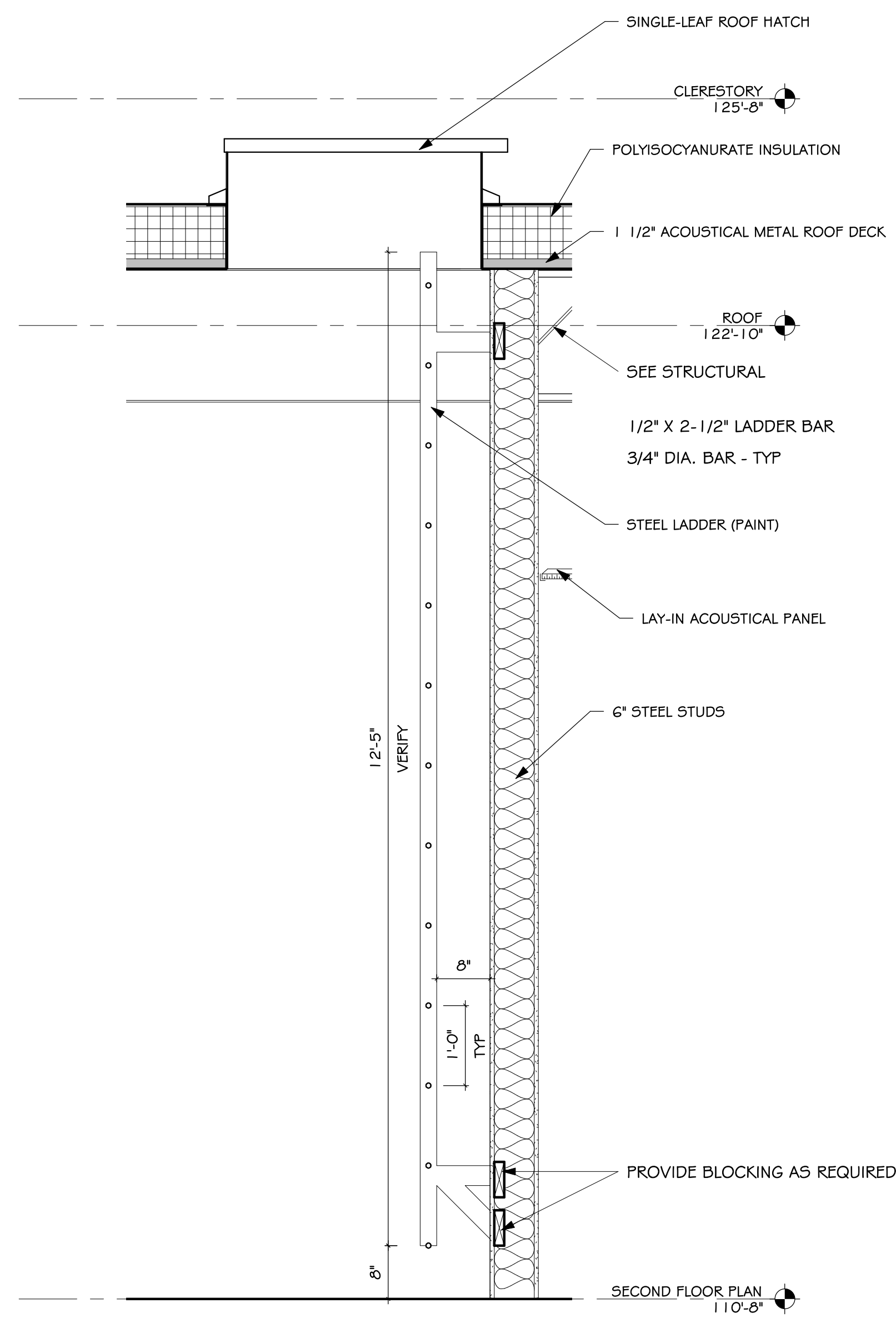
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date	July 31, 2022	
revision		
drawn	ZJG	checked TLM
DATE	09/23/22	DESCRIPTION
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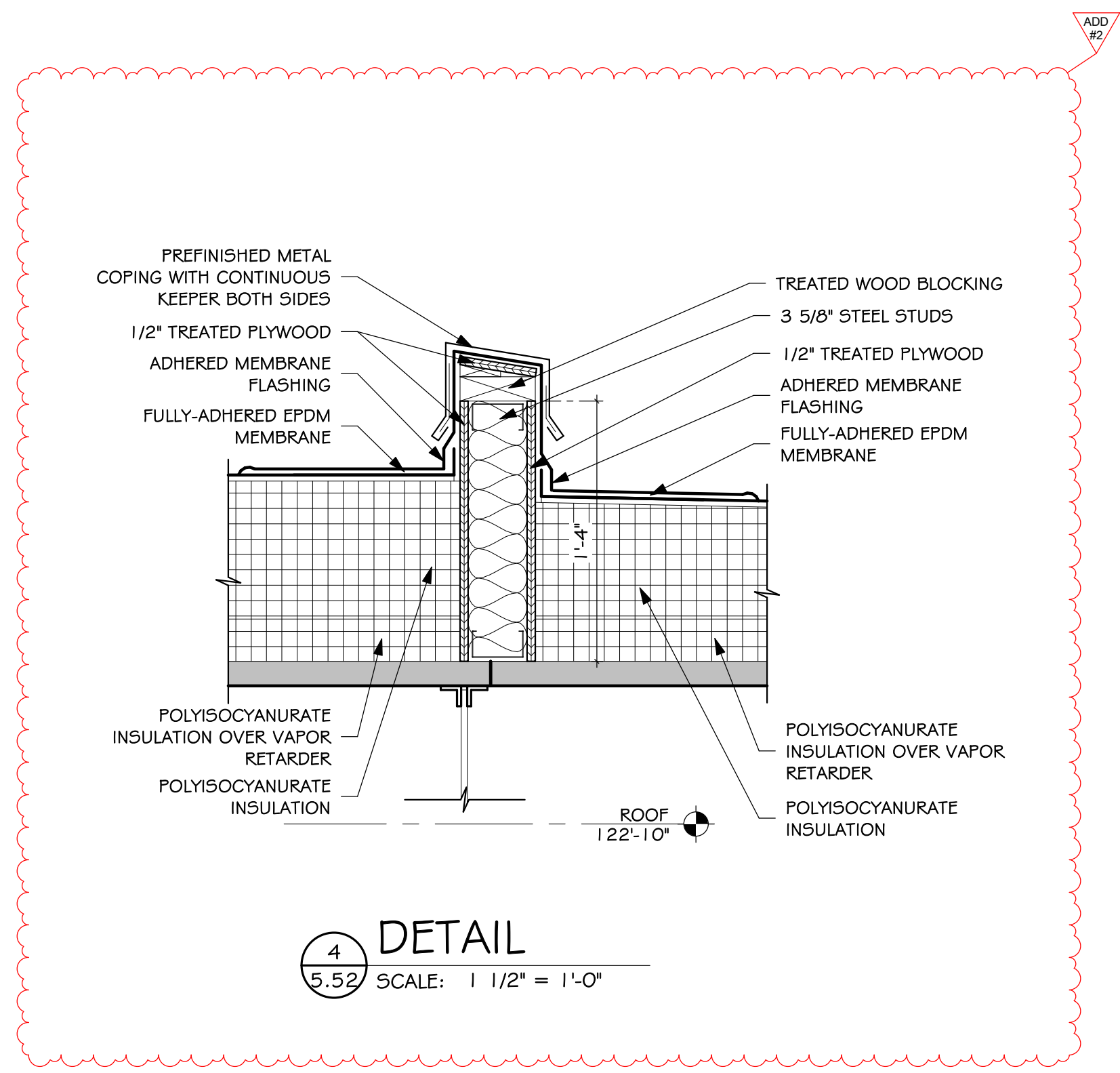
24-Aug-22 10:26:18



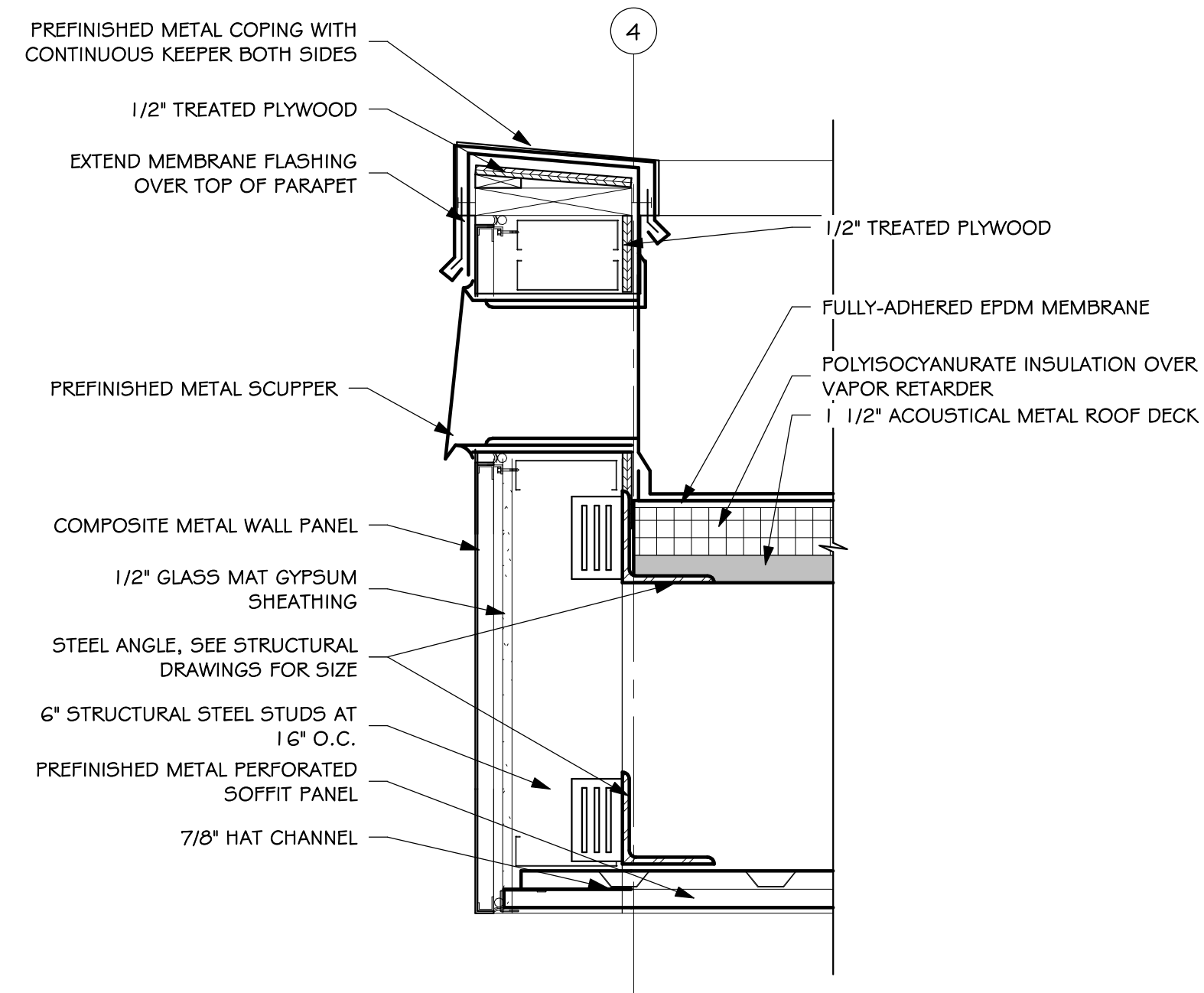
1 OVERFLOW SCUPPER DETAIL
SCALE: 1/2" = 1'-0"



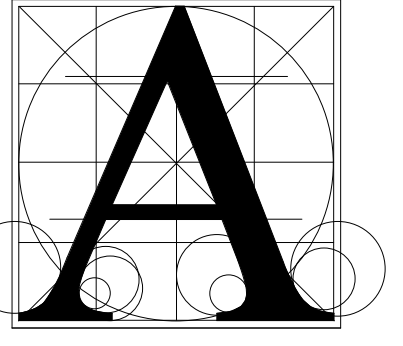
3 ROOF HATCH LADDER DETAIL
SCALE: 3/4" = 1'-0"



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



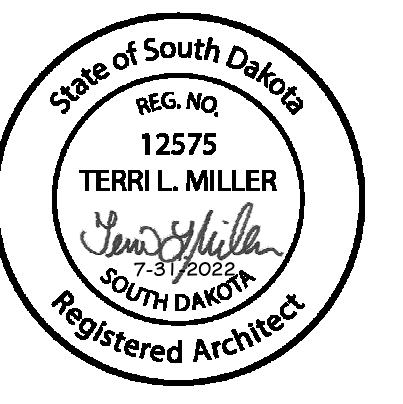
2 SCUPPER DETAIL
SCALE: 1/2" = 1'-0"



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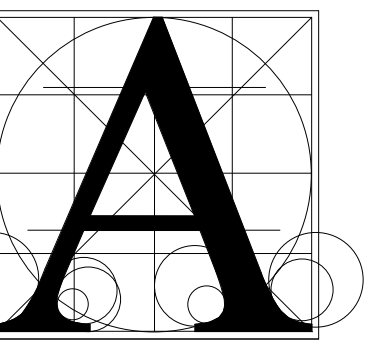


ST. MARY CATHOLIC SCHOOL ADDITION & REMODEL

ROOF DETAILS

Project	number	0413.2786.16
	date	July 31, 2022
	revision	
	drawn	ZJG checked TLM
	DATE	DESCRIPTION
	09/23/22	ADD #2

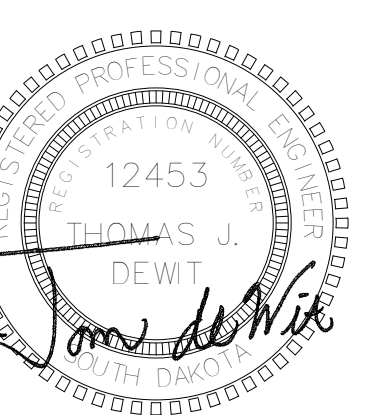
5.52



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Fax: 335-6220
E-mail: ace@aceinc.com
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PLUMBING FIXTURE SCHEDULE table with columns: FIXTURE SYMBOL, TYPE, MANUFACTURER, MODEL NO., TRIM, SUPPLIES, WASTE, REMARKS. Includes items like WC-1 WATER CLOSET, WC-2 WATER CLOSET, WC-3 WATER CLOSET, UR-1 URINAL WASHOUT, L-1 LAVATORY, L-2 LAVATORY, MSK SINK, SK-1 SINK, SK-2 SINK, SK-3 SINK, SK-4 SINK, SK-5 SINK, SK-6 SINK, SH-1 SHOWER, EWC-1 ELECTRIC WATER COOLER, ESH-1 COMBINATION EYEWASH & SHOWER, GT-1 GAS TURRET, UB-1 ICE MACHINE, UB-2 WASHING MACHINE.

PUMP SCHEDULE table with columns: PUMP NO., MANUF. NO., MODEL DESCRIPTION, STYLE, SIZE, GPM, HEAD (FT), MOTOR HP, BHP, RPM, ELEC. VOLTS, PH, SUCTION SIZE, DISCH. SIZE, REMARKS. Includes pumps P-1 through P-11.

FIN TUBE RADIATION SCHEDULE table with columns: UNIT NO., MANUFACTURER, STYLE, MODEL NO., CAPACITY BTU/H.F.T., EWT, GPM, ROWS, ENCL. HEIGHT, INSTALL HEIGHT, REMARKS. Includes units FT-1 and FT-2.

UNIT HEATER SCHEDULE table with columns: UNIT NO., MANUFACTURER, UNIT SIZE, TYPE, INTAKE LOCATION, DISCHARGE LOCATION, CFM, FAN MOTOR(S) RPM, FAN HP-1, FAN HP-2, V/PH, HEATING CAPACITY MBH, EWT, LWT, GPM, WPD, REMARKS. Includes units CUH-A16 through UH-B001.

WATER HEATER SCHEDULE table with columns: UNIT NO., MANUFACTURER, MODEL NO., INPUT (MBH), EFF., RECOVERY @ 100° GPH, ELECTRICAL V/PH, FLA, REMARKS. Includes units WHTR-1 and WHTR-2.

AIR COOLED CHILLER SCHEDULE table with columns: UNIT NO., MANUFACTURER, MODEL NO., MBH CAPACITY, AMB AIR TEMP, EVAP BUNDLE EWT, LWT, WPD, GPM, ELEC VOLTS, PH, MCA, MOC, STEPS UNLOAD, EER/PLV, SOUND (dB), OPER WEIGHT, REMARKS. Includes unit CH-1.

BOILER SCHEDULE table with columns: BOILER NO., MANUFACTURER, MODEL NO., AGA INPUT (MBH), AGA OUTPUT (MBH), OPER EFF (%), BURNER VOLTS, PH, AMPS, OPER WT. (LBS), REMARKS. Includes unit B-2.

FAN POWERED VAV TERMINAL SCHEDULE table with columns: UNIT NO., MANUF. NO., MODEL NO., SIZE, CFM, MIN CFM, TERM S.P., EXT S.P., RAD NC, DISCH NC, MOTOR HP, VOLT/PH, HEATING COIL EAT, MBH, GPM, WPD, EWT, LWT, REMARKS. Includes units FP-A116 through FP-B212.

UNIT VENTILATOR SCHEDULE table with columns: UNIT NO., MANUF. NO., MODEL NO., TOTAL CFM, MIN OIA CFM, MOTOR HP, COOLING COIL S.M.B.H, T.M.B.H, EAT, LAT, EWT, LWT, GPM, WPD, HEATING COIL MBH, EAT, EWT, LWT, GPM, WPD, REMARKS. Includes units UV-A26-1 through UV-A212.

AHU SCHEDULE table with columns: AHU NO., MANUF. NO., MODEL NO., CFM, MIN OIA CFM, ESP, TSP, FAN MHP, BHP, MOTOR VOLTS/PH, FAN TYPE/SIZE, COOLING COIL CAPACITY MBH, EAT, LAT, FV, APD, EWT, LWT, GPM, WPD, HEATING COIL CAPACITY MBH, EAT, LAT, FV, APD, EWT, LWT, GPM, WPD, FILTER TYPE, AREA(SF), MAX FV, APD, THICK, OPER WT(LBS), REMARKS. Includes units AHU-1 and AHU-2.

FAN COIL UNIT SCHEDULE table with columns: UNIT NO., MANUF. NO., MODEL NO., CFM, ELEC VOLTS, PH, MCA, MBH, GPM, WPD, EWT, EAT, HEATING CAPACITY MBH, GPM, WPD, EWT, EAT, REMARKS. Includes units FCU-A12 through FCU-A19A.

REGISTER GRILLE & DIFFUSER SCHEDULE table with columns: SYMBOL, MANUF., CONSTR MATL, MODEL NO., MAX CFM, OVERALL SIZE, THROAT SIZE, NC, THROW, TOTAL PD (IN.W.G.), FRAME, PATTERNS, REMARKS. Includes units D1 through R2.

WATER HEATER SCHEDULE table with columns: UNIT NO., MANUFACTURER, MODEL NO., INPUT (MBH), EFF., RECOVERY @ 100° GPH, ELECTRICAL V/PH, FLA, REMARKS. Includes units WHTR-1 and WHTR-2.

VAV TERMINAL SCHEDULE table with columns: UNIT NO., MANUF. NO., MODEL NO., INLET SIZE, C.L.G. CFM MAX, C.L.G. CFM MIN, HTG CFM MAX, TERM S.P., RAD NC, DISCH NC, HEATING COIL EAT, MBH, GPM, WPD, EWT, LWT, REMARKS. Includes units VAV-A117 through VAV-B213.

FAN SCHEDULE table with columns: FAN NO., MANUFACTURER, MODEL NO., TYPE, LOCATION, CFM, S.P., RPM, TIP SPEED (FPM), MOTOR MHP, BHP, ELEC. VOLTS, PH, SONES, WEIGHT (LBS), REMARKS. Includes units EF-A28 through EF-B208.

UNIT VENTILATOR SCHEDULE table with columns: UNIT NO., MANUF. NO., MODEL NO., TOTAL CFM, MIN OIA CFM, MOTOR HP, COOLING COIL S.M.B.H, T.M.B.H, EAT, LAT, EWT, LWT, GPM, WPD, HEATING COIL MBH, EAT, EWT, LWT, GPM, WPD, REMARKS. Includes units UV-A26-1 through UV-A212.

AHU SCHEDULE table with columns: AHU NO., MANUF. NO., MODEL NO., CFM, MIN OIA CFM, ESP, TSP, FAN MHP, BHP, MOTOR VOLTS/PH, FAN TYPE/SIZE, COOLING COIL CAPACITY MBH, EAT, LAT, FV, APD, EWT, LWT, GPM, WPD, HEATING COIL CAPACITY MBH, EAT, LAT, FV, APD, EWT, LWT, GPM, WPD, FILTER TYPE, AREA(SF), MAX FV, APD, THICK, OPER WT(LBS), REMARKS. Includes units AHU-1 and AHU-2.

FAN COIL UNIT SCHEDULE table with columns: UNIT NO., MANUF. NO., MODEL NO., CFM, ELEC VOLTS, PH, MCA, MBH, GPM, WPD, EWT, EAT, HEATING CAPACITY MBH, GPM, WPD, EWT, EAT, REMARKS. Includes units FCU-A12 through FCU-A19A.

REGISTER GRILLE & DIFFUSER SCHEDULE table with columns: SYMBOL, MANUF., CONSTR MATL, MODEL NO., MAX CFM, OVERALL SIZE, THROAT SIZE, NC, THROW, TOTAL PD (IN.W.G.), FRAME, PATTERNS, REMARKS. Includes units D1 through R2.

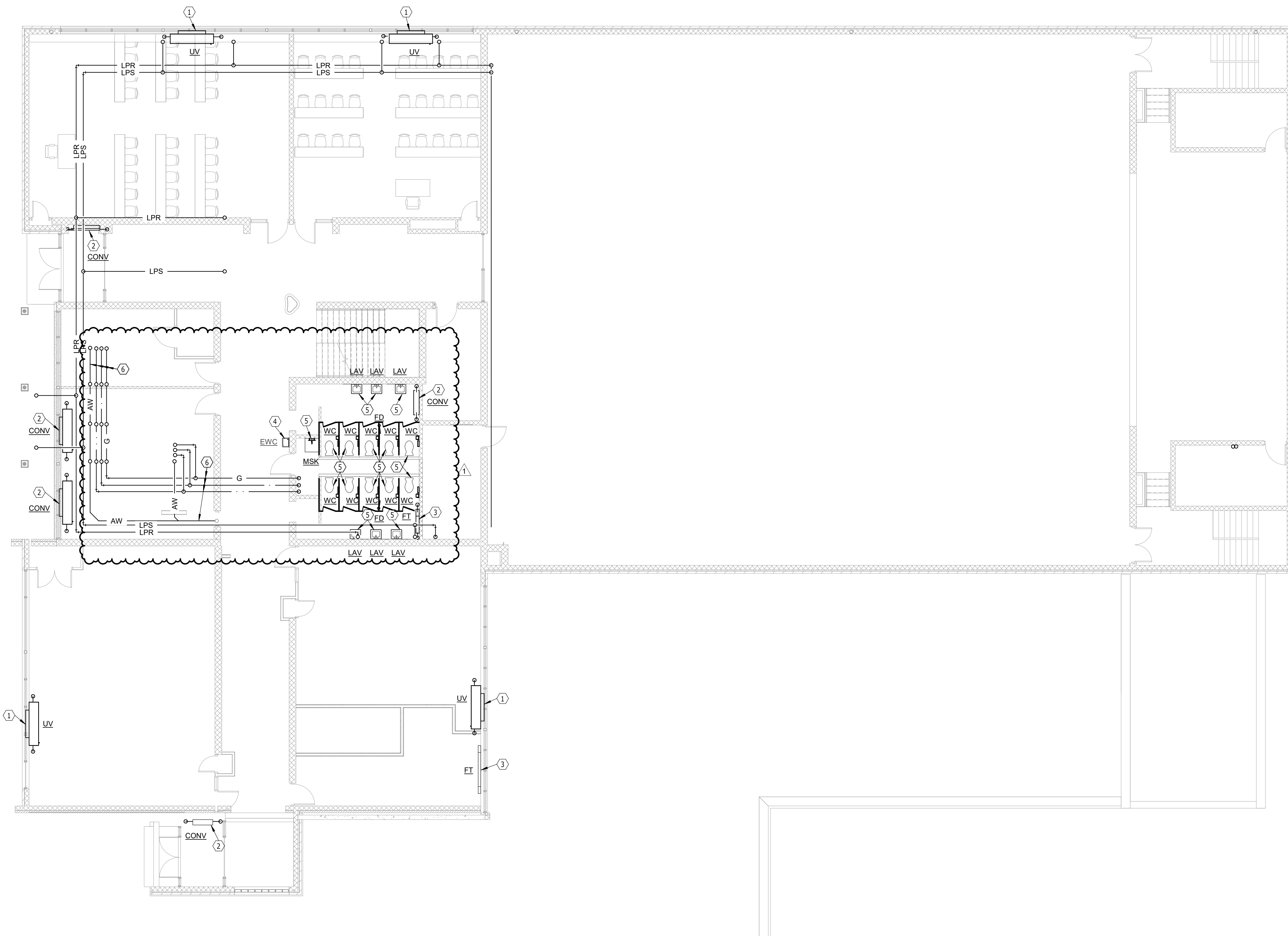
WATER HEATER SCHEDULE table with columns: UNIT NO., MANUFACTURER, MODEL NO., INPUT (MBH), EFF., RECOVERY @ 100° GPH, ELECTRICAL V/PH, FLA, REMARKS. Includes units WHTR-1 and WHTR-2.

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ST. MARY'S CATHOLIC SCHOOL SCHEDULES

Project information table with columns: number, date, revision, NO., DATE, DESCRIPTION. Includes project number 0413.2785.18 and date 7-31-2022.

8.12



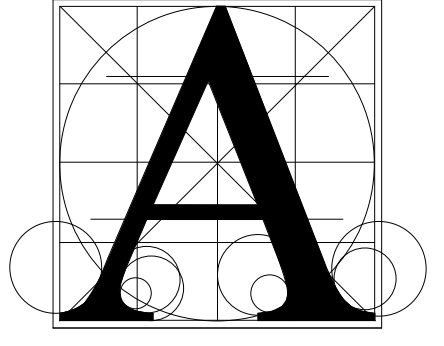
FIRST FLOOR PLAN - DEMOLITION - PLUMBING
 SCALE 0 4 8 12 16

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

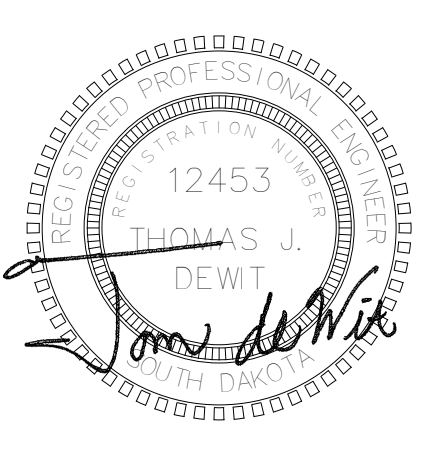
- 1 REMOVE STEAM UNIT VENTILATOR & ASSOCIATED PIPING
- 2 REMOVE STEAM CONVECTOR & ASSOCIATED PIPING
- 3 REMOVE STEAM PIPING & ASSOCIATED PIPING
- 4 ELECTRIC WATER COOLER & ASSOCIATED PIPING TO REMAIN CONNECTED
- 5 REMOVE PLUMBING FIXTURE & ASSOCIATED PIPING
- 6 PIPING TO BE REMOVED UNDER ALTERNATE B5



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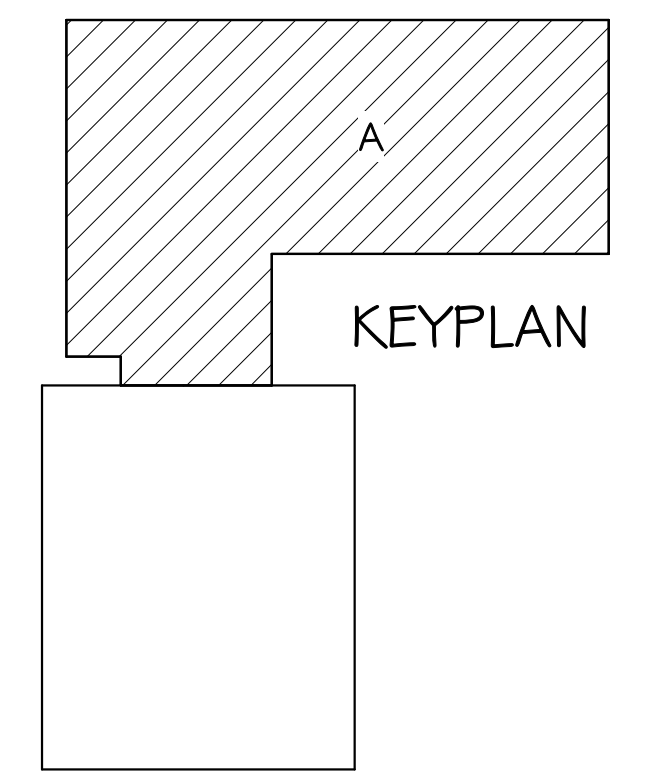
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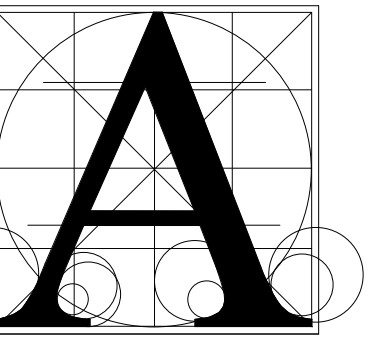
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ACEI PROJ. #122018



ST. MARY'S CATHOLIC SCHOOL
FIRST FLOOR PLAN - DEMOLITION - PLUMBING & HEATING

Project	number	0413.2788.18
date	7-31-2022	
revision		
drawn	DWM	checked Td
NO.	DATE	DESCRIPTION
1	6/23/22	ADDENDUM 1

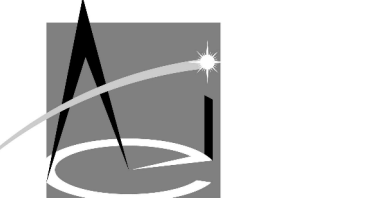
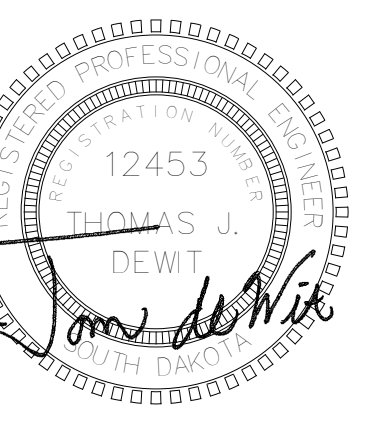
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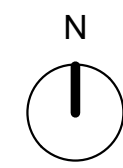
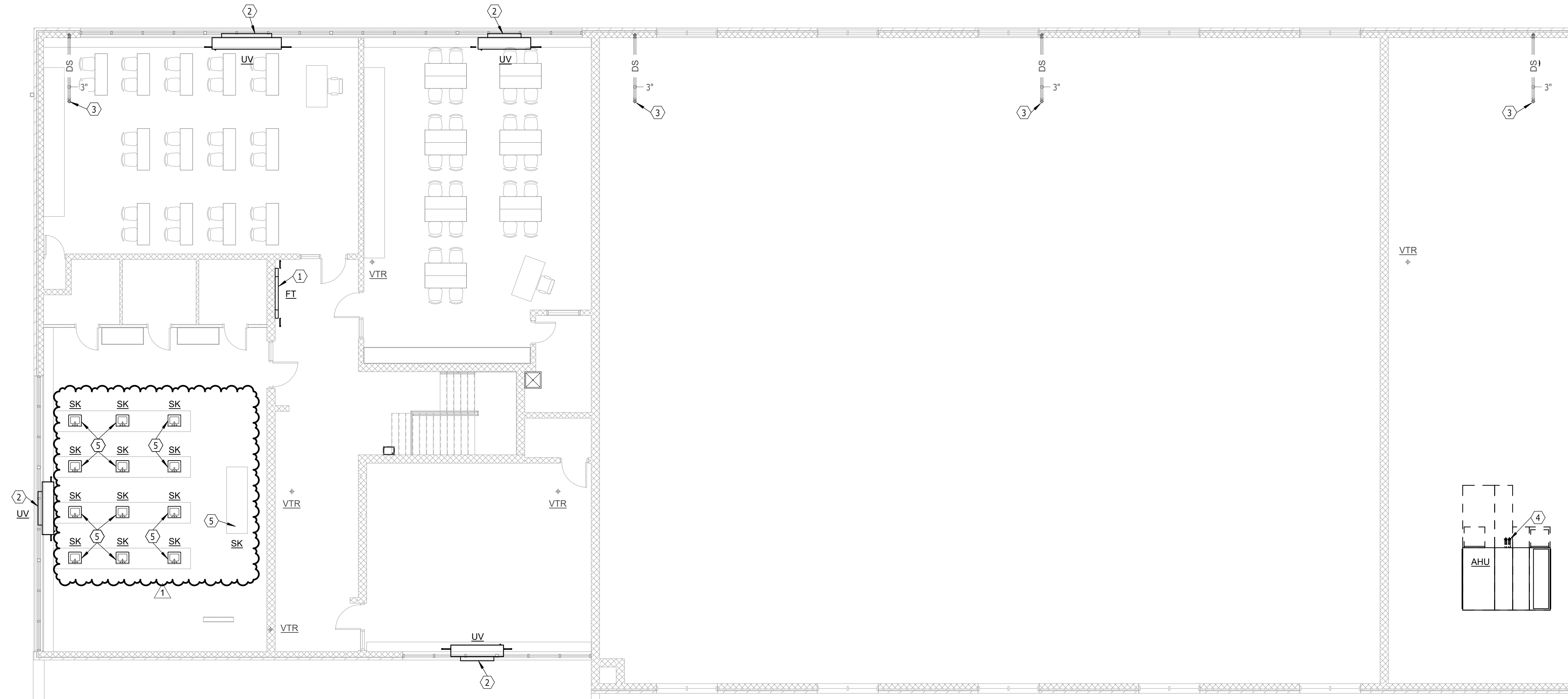
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PLUMBING & HEATING NOTES

- 1 REMOVE STEAM FIN TUBE RADIATION & ASSOCIATED PIPING
- 2 REMOVE STEAM UNIT VENTILATOR & ASSOCIATED PIPING
- 3 REMOVE ROOF DRAIN FOR ROOF REPLACEMENT. PIPING TO REMAIN FOR RECONNECTION
- 4 REMOVE AHU PIPING
- 5 REMOVE SINK, GAS TURRET & THEIR ASSOCIATED PIPING UNDER ADD ALTERNATE #5



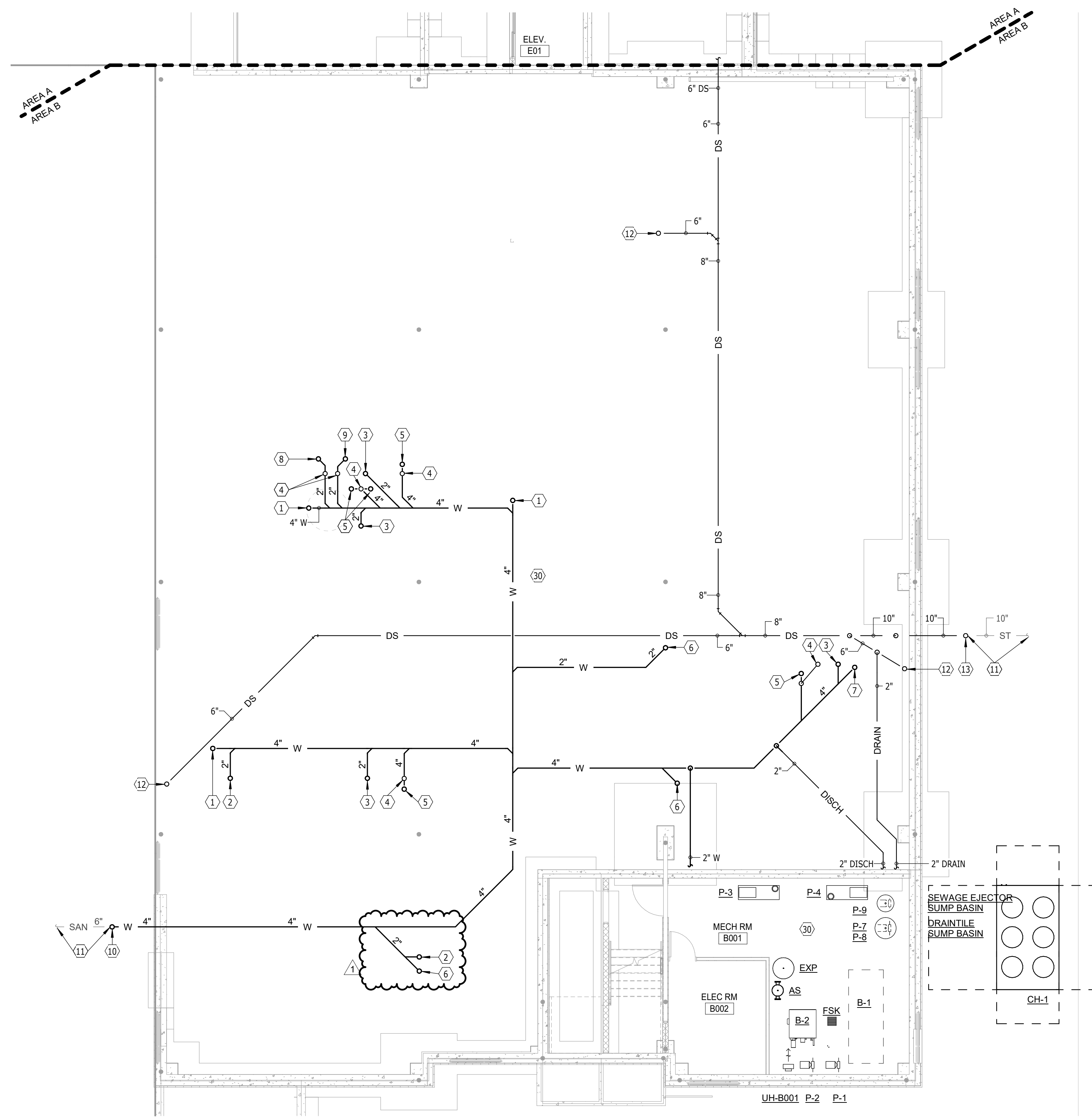
SECOND FLOOR PLAN - DEMOLITION - PLUMBING & HEATING

SCALE 0 4 8 12 16

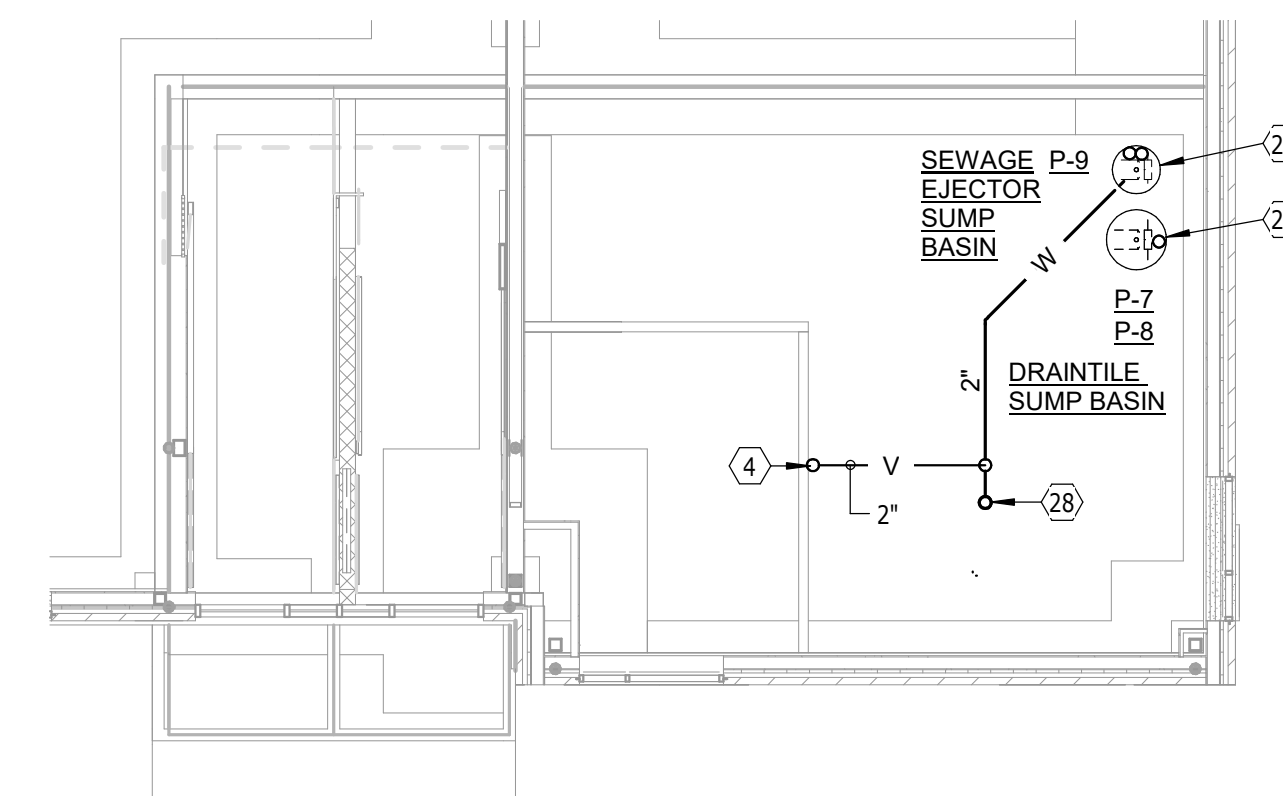
ST. MARY'S CATHOLIC SCHOOL
SECOND FLOOR PLAN - DEMOLITION - PLUMBING &
HEATING

Project	number	0413.2788.18	
	date	7-31-2022	
	revision		
drawn	DWM	checked	Td
NO.	DATE	DESCRIPTION	
1	6/23/22	ADDENDUM 1	

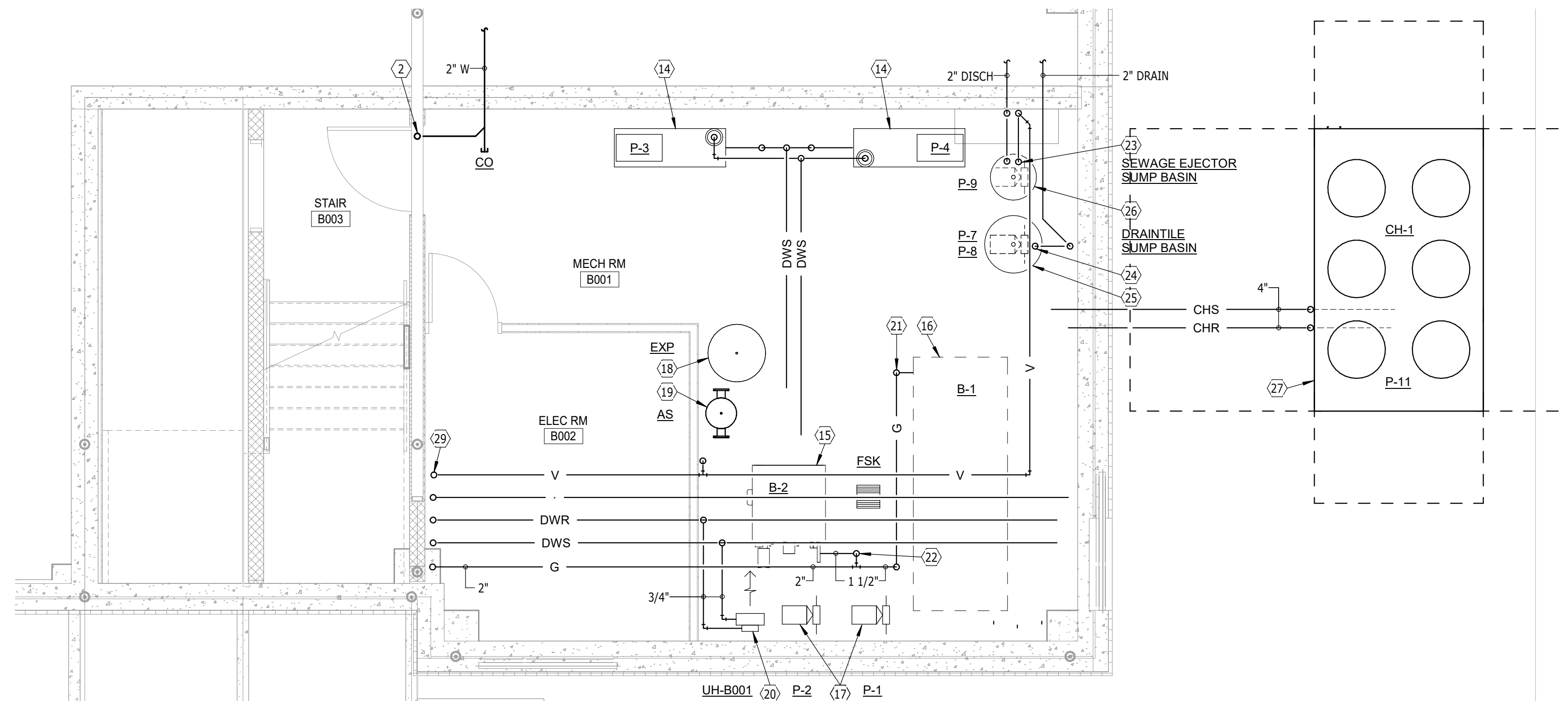
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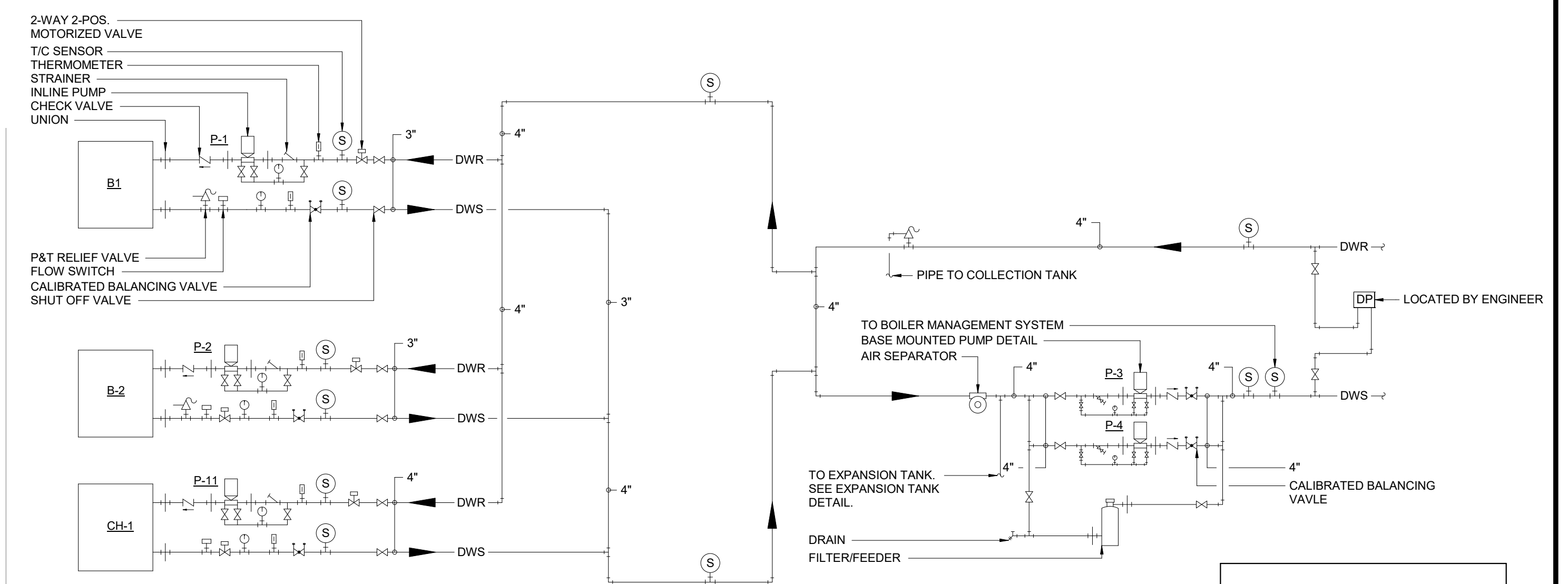
GROUND FLOOR PLAN - AREA B - PLUMBING & HEATING
SCALE 0 4 8 12 16



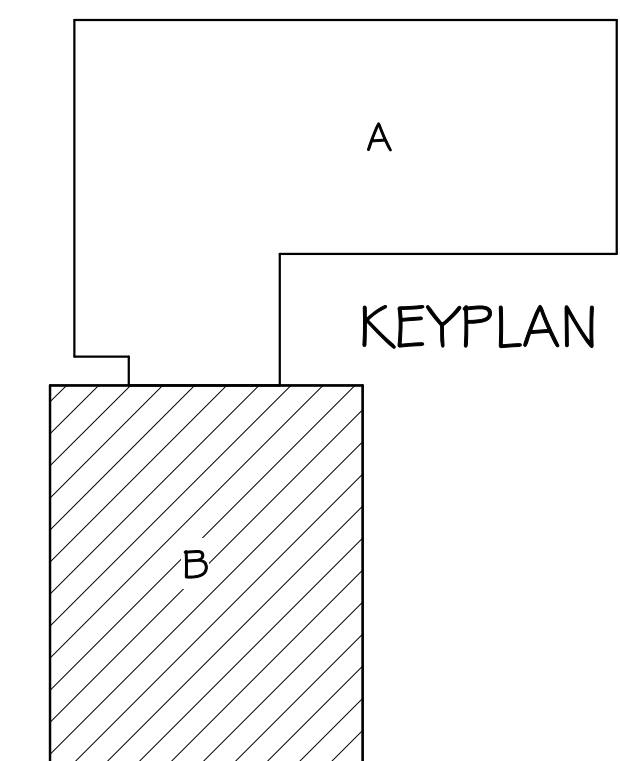
UNDERFLOOR PLAN - AREA B - PLUMBING & HEATING
SCALE 0 4 8 12 16



ENLARGED GROUND FLOOR PLAN - AREA B - PLUMBING & HEATING
SCALE 0 2 4 6 8



HEATING/COOLING SYSTEM DIAGRAM

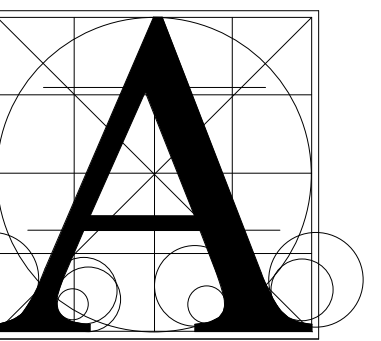


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PLUMBING & HEATING NOTES

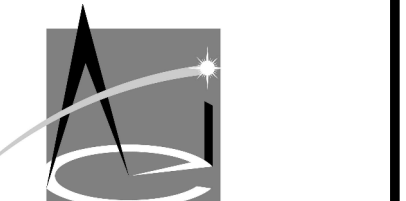
- 1 4" W UP TO CO
- 2 2" W UP TO SK
- 3 2" W UP TO LAV
- 4 2" V UP
- 5 4" W UP TO WC
- 6 2" W STACK UP
- 7 4" W STACK UP
- 8 2" W UP TO SH
- 9 2" W UP TO FD
- 10 4" W UP TO GRADE CO
- 11 CONNECT TO PIPING PROVIDED BY SITE UTILITY CONTRACTOR. SEE SITE UTILITY DRAWINGS FOR CONTINUATION
- 12 6" DS UP
- 13 4" DS UP TO GRADE CO
- 14 BASE MOUNTED DUAL WATER SYSTEM PUMPS. SEE BASE MOUNTED PUMP PIPING DETAIL
- 15 GAS FIRED BOILER. SEE BOILER PIPING DETAIL
- 16 RELOCATED GAS FIRED BOILER. SEE BOILER PIPING DETAIL
- 17 IN-LINE BOILER CIRC PUMP. SEE BOILER PIPING DETAIL
- 18 DUAL WATER SYSTEM VERTICAL EXPANSION TANK. SEE EXPANSION TANK PIPING DETAIL
- 19 DUAL WATER SYSTEM AIR SEPARATOR. SEE AIR SEPARATOR PIPING DETAIL
- 20 HYDRONIC PROP TYPE UNIT HEATER HUNG FROM STRUCTURE. SEE UNIT HEATER PIPING DETAIL
- 21 1 1/2" G DN WITH GAS COCK, PRESSURE REDUCING VALVE & UNION TO BOILER
- 22 1 1/2" G DN WITH GAS COCK, PRESSURE REDUCING VALVE & UNION TO BOILER
- 23 2" DISCH & 2" DN TO SEWAGE EJECTOR SUMP BASIN
- 24 2" DRAIN DN TO DRAINTILE SUMP BASIN
- 25 30" DIA X 9'-6" DEEP DRAINTILE SUMP BASIN WITH SUMP PUMPS P-7 & P-8
- 26 24" DIA X 5'-0" DEEP SEWAGE EJECTOR SUMP BASIN WITH SEWAGE EJECTOR PUMP P-9
- 27 AIR COOLED CHILLER WITH BASE MOUNTED PUMP. SEE CHILLER PIPING DETAIL
- 28 2" W UP TO FSK
- 29 2" V UP, 3/4" CW UP, 4" DWR UP, 4" DWS UP, 2" G UP
- 30 SEE ENLARGED PLAN ON THIS SHEET FOR CONTINUATION



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ST. MARY'S CATHOLIC SCHOOL
UNDERFLOOR PLAN - AREA B - PUMBING & HEATING

Project	number	0413.2786.16
date	7-31-2022	
revision		
drawn	DWM	checked Td
NO. DATE DESCRIPTION		
1 6/23/22	ADDENDUM 1	

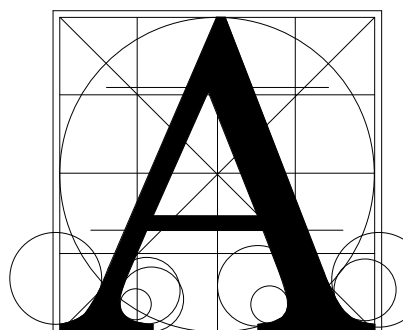
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PLUMBING & HEATING NOTES

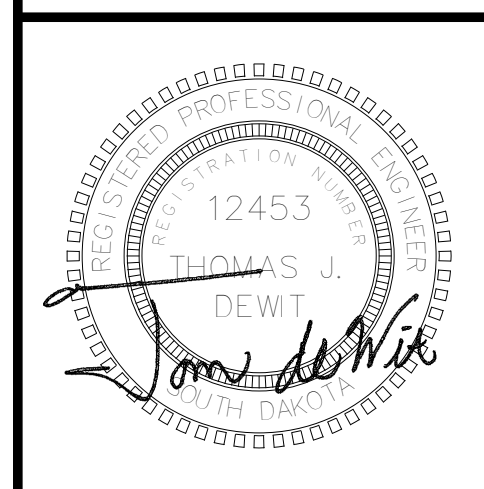
- 1 4" W UP TO CO
- 2 4" W UP TO WC
- 3 2" W UP TO FD
- 4 2" V UP
- 5 3" W UP TO MSK
- 6 2" W UP TO UR
- 7 2" W UP TO LAV
- 8 CONNECT TO EXISTING PIPING. VERIFY SIZE & LOCATION PRIOR TO ASSOCIATED WORK.
- 9 2 1/2" WATER METER WITH 2" REDUCED PRESSURE BACKFLOW PREVENTER
- 10 HYDRONIC PROP TYPE UNIT HEATER HUNG FROM STRUCTURE. SEE UNIT HEATER PIPING DETAIL
- 11 GAS FIRED 100 GALLON WATER HEATER, MIXING VALVE & RECIRC PUMPS. SEE WATER HEATER PIPING DETAIL.
- 12 CONNECT TO PIPING PROVIDED BY SITE UTILITY CONTRACTOR. SEE SITE UTILITY DRAWINGS FOR CONTINUATION
- 13 6" DS UR
- 14 3/4" DWS DN, 3/4" DWR DN
- 15 HYDRONIC WALL MOUNTED INVERTED FLOW CABINET UNIT HEATER. SEE CABINET UNIT HEATER DETAIL.
- 16 1" DWS & 1" DWR UP TO CABINET UNIT HEATER
- 17 1 1/4" DWS & 1 1/4" DWR UP TO UNIT VENTILATOR
- 18 1" DWS & 1" DWR DN TO CABINET UNIT HEATER
- 19 4" W DN W/CO 24" AFF
- 20 3/4" DWS & 3/4" DWR DN TO CABINET UNIT HEATER
- 21 1/2" CW DN, 1 1/2" V/2" W DN, 1/2" HW DN
- 22 1 1/4" CW DN, 2" V DN
- 23 1/2" HW DN, 1 1/2" V/2" W DN, 1/2" CW DN
- 24 3/4" DWS DN TO FIN TUBE RADIATION
- 25 3/4" DWR DN TO FIN TUBE RADIATION
- 26 HYDRONIC WALL MOUNTED FIN TUBE RADIATION. SEE FIN TUBE RADIATION PIPING DETAIL.
- 27 2" G UP, 3/4" RHW UP, 1 1/4" HW UP, 2 1/2" CW UP, 4" DWR UP, 4" DWS UP
- 28 2" W UP TO SK
- 29 2" W DN W/CO 24" AFF
- 30 24" DIA X 6" DEEP ELEVATOR SUMP BASIN & PUMP. EXTEND 4" PVC DRAIN MTD FLUSH WITH BOTTOM OF ELEVATOR PIT TO BASIN. EXTEND 2" DISCH FROM SUMP PUMP WITH INDIRECT CONNECTION TO HUB DRAIN STUBBED AFF
- 31 2" V DN
- 32 1 1/2" V/2" W DN, 1/2" CW DN, 1/2" HW DN
- 33 1/2" CW DN OUT THRU WALL WITH ESCUTHEON & SHUTOFF VALVE TO ICE MAKER
- 34 HYDRONIC CEILING MOUNTED CABINET UNIT HEATER. SEE CABINET UNIT HEATER PIPING DETAIL
- 35 1/2" G DN WITH GAS COCK, PRESSURE REDUCING VALVE & UNION TO WATER HEATER
- 36 EXISTING GAS METER, GAS PIPING SIZED AT 2 POUND. ADDITION GAS PIPING SIZED AT 400' TOTAL LENGTH. 4400 MBH AT 2 PSIG, PRESSURE DROP 1 PSIG. (BOILERS & WATER HEATER)
- 37 EXISTING GAS SERVING KITCHEN & SCIENCE ROOMS
- 38 TO EXISTING SECOND FLOOR FIXTURES
- 39 1 1/4" DWS & 1 1/4" DWR DN TO UNIT VENTILATOR
- 40 HYDRONIC UNIT VENTILATOR. SEE UNIT VENTILATOR PIPING DETAIL
- 41 TO EXISTING KITCHEN SINKS AND DISHWASHING
- 42 1" DWS & 1" DWR DN TO FCU
- 43 EXTEND 1" FCU COND TO FSK
- 44 HYDRONIC FAN COIL UNIT. SEE FAN COIL UNIT PIPING DETAIL
- 45 SEE ENLARGED PLAN ON THIS SHEET FOR CONTINUATION
- 46 MIXING VALVE
- 47 INSULATED 1 1/4" TYPE K SOFT COPPER PIPING WITH NO JOINTS BELOW FLOOR.



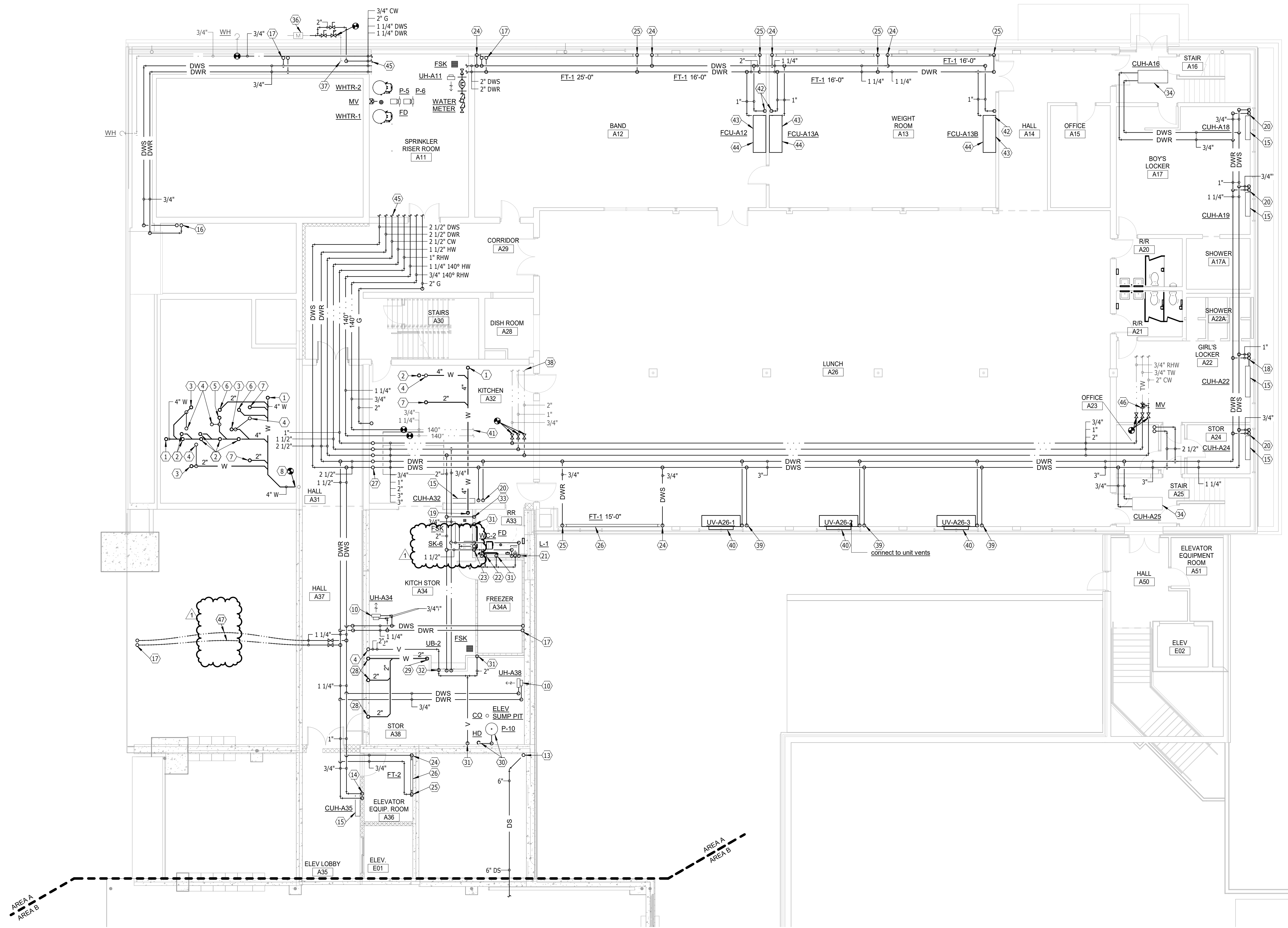
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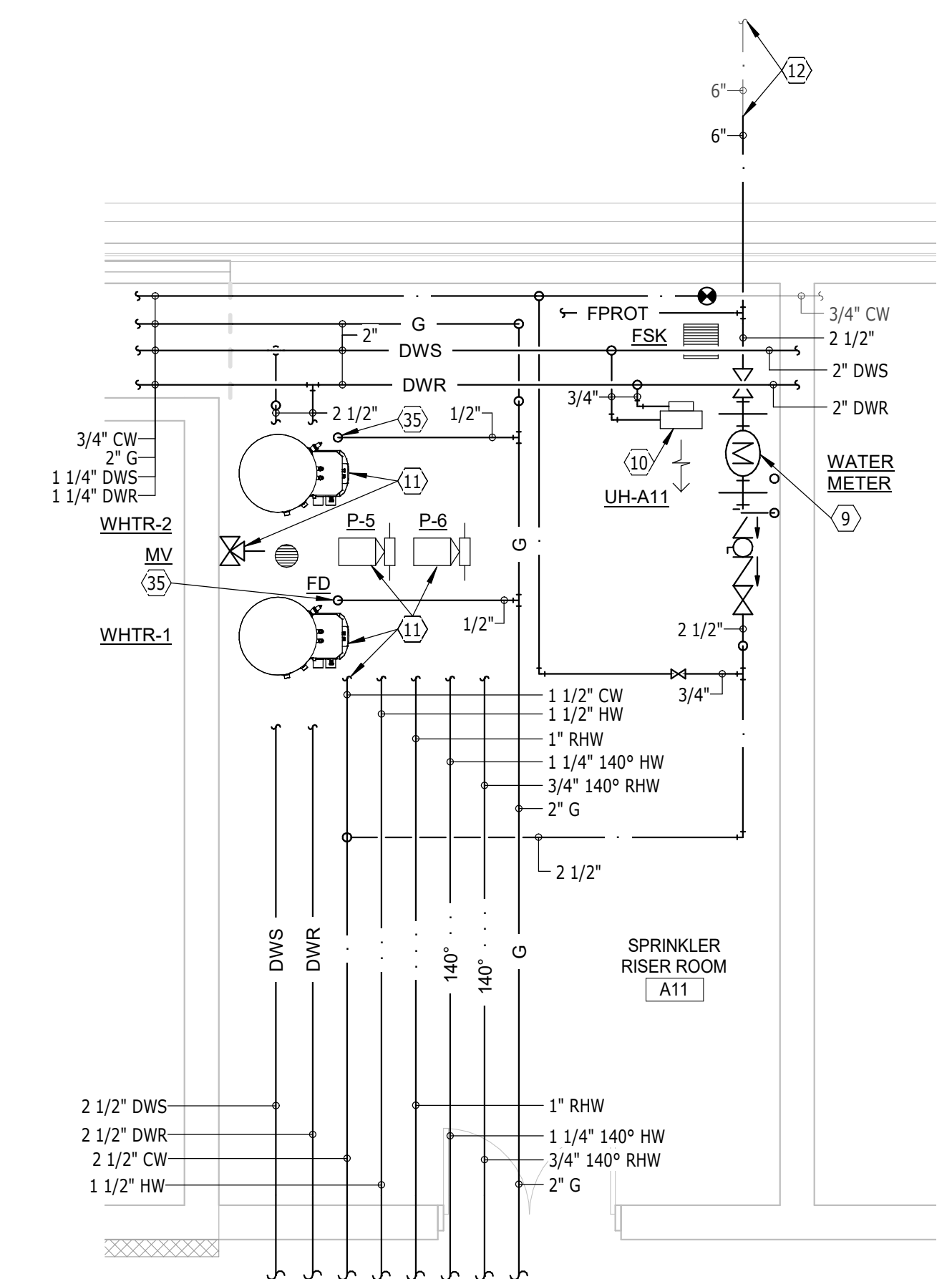
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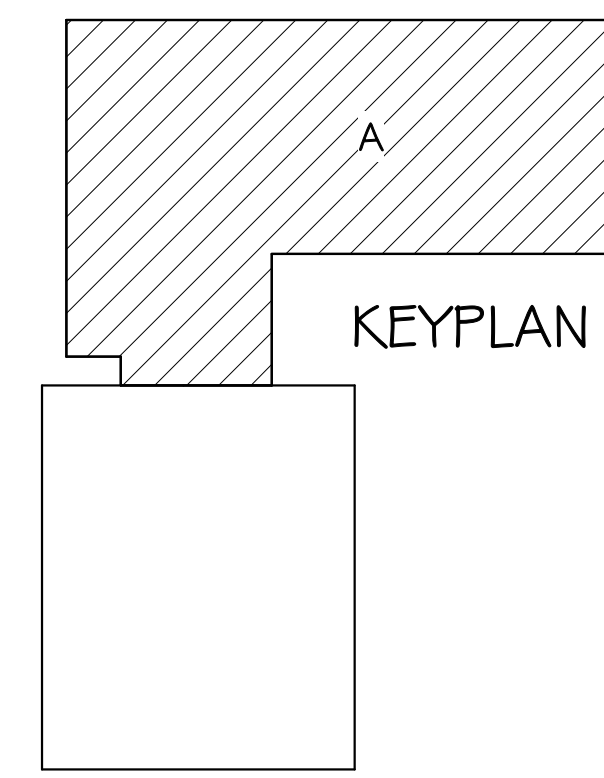
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GROUND FLOOR PLAN - AREA A - PLUMBING & HEATING
SCALE 0 4 8 12 16



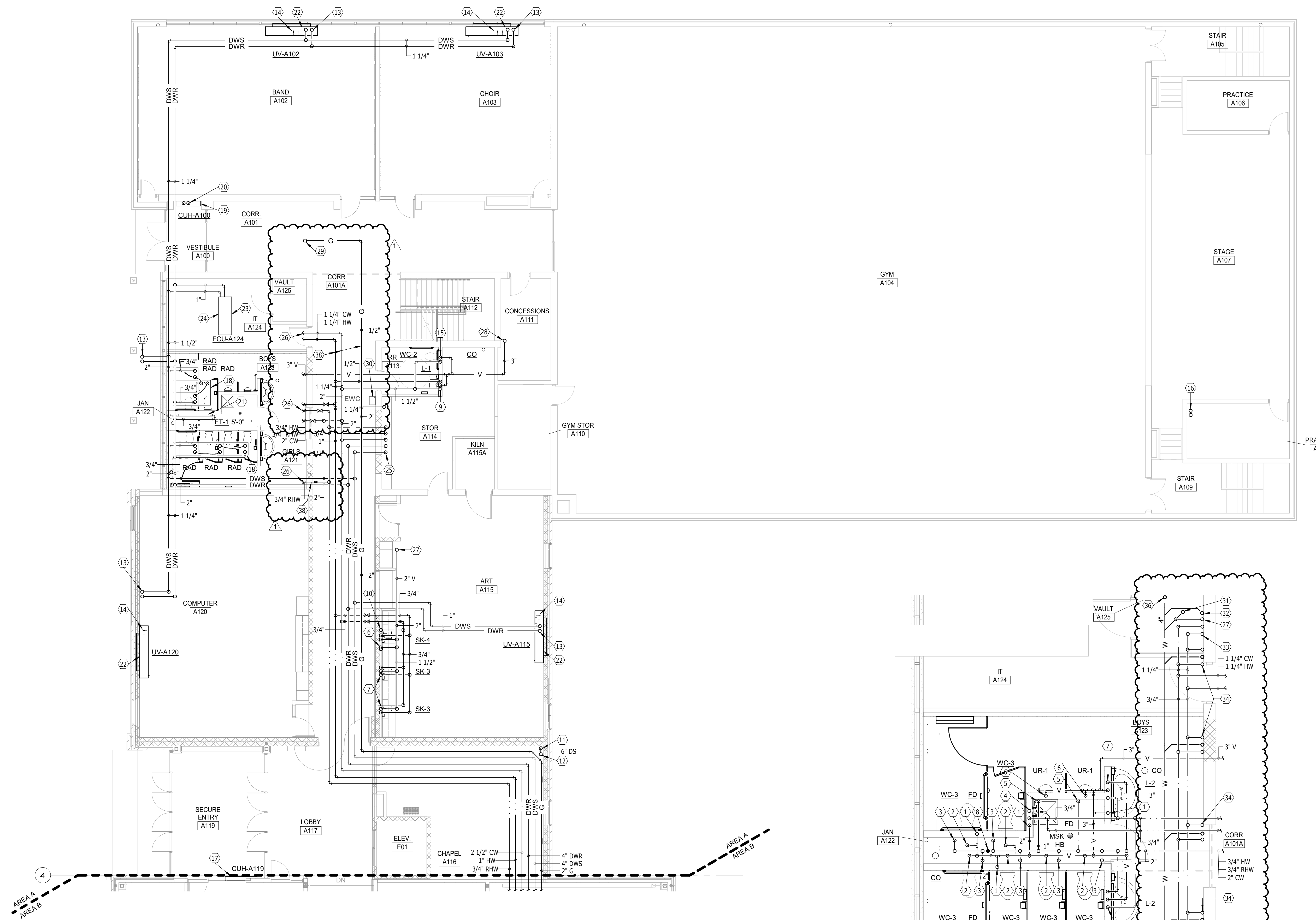
ENLARGED GROUND FLOOR PLAN - AREA A - PLUMBING & HEATING
SCALE 0 2 4 6 8



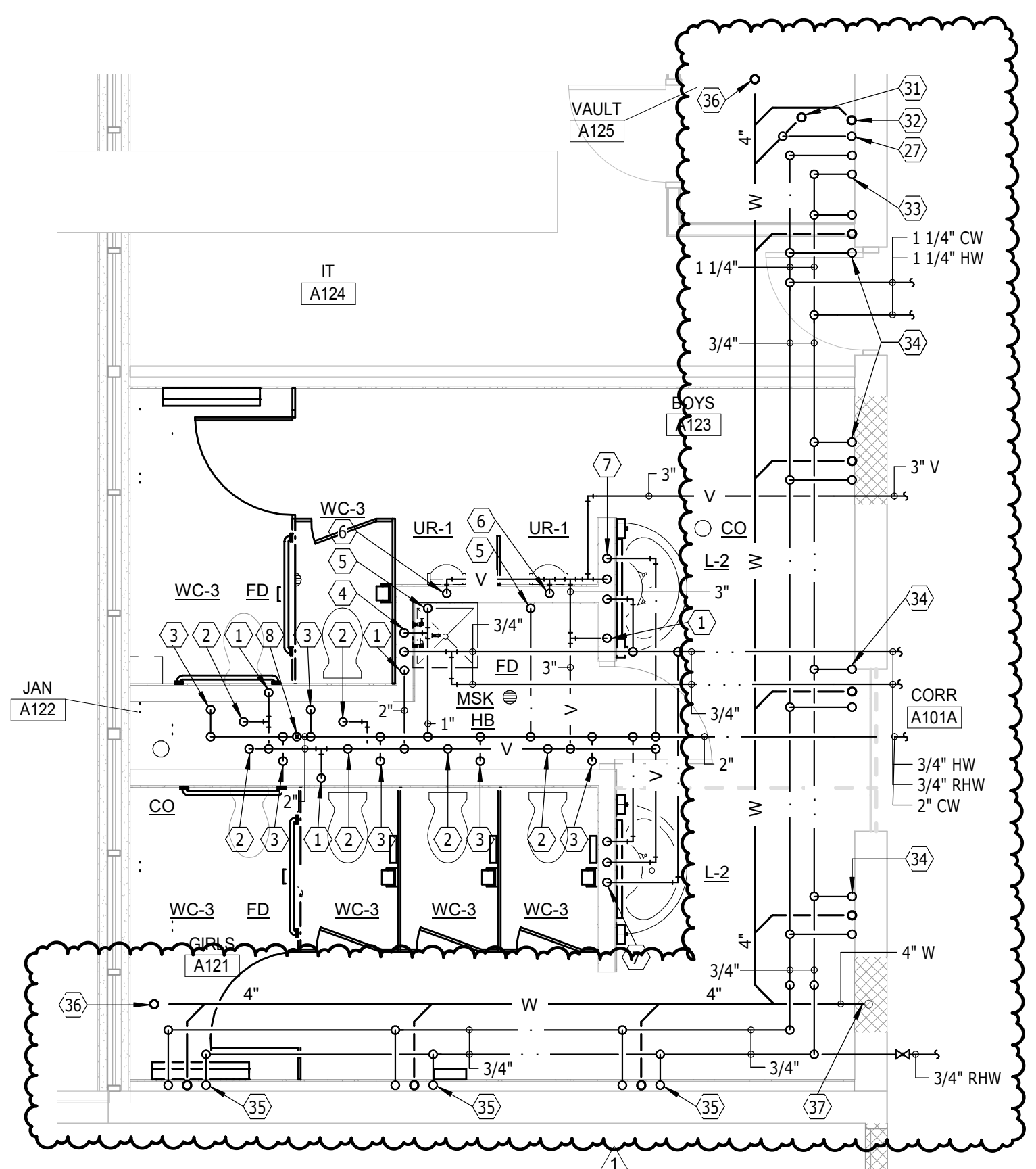
ST. MARY'S CATHOLIC SCHOOL
GROUND FLOOR PLAN - AREA A - PLUMBING & HEATING

Project	number	0413.2786.16
date	7-31-2022	
revision		
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NO.	DATE	DESCRIPTION
1	6/23/22	ADDENDUM 1

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



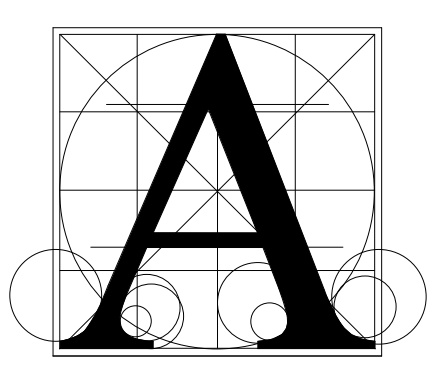
ENLARGED FIRST FLOOR PLAN - AREA A - PLUMBING & HEATING
 SCALE 0 2 4 6 8

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

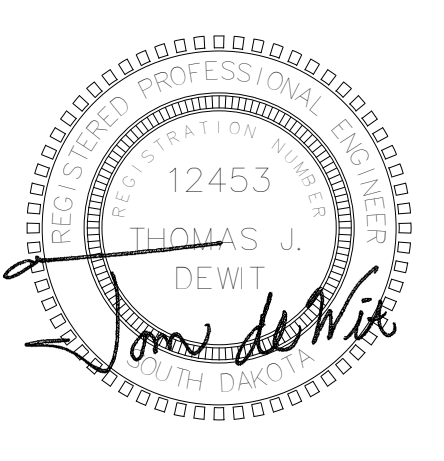
- 1 2" V DN
- 2 2" V/4" W DN
- 3 1 1/4" CW DN
- 4 3/4" CW DN TO HBMSK, 1/2" HW DN TO MSK
- 5 1" CW DN
- 6 1 1/2" V/2" W DN
- 7 1/2" CW DN, 1 1/2" V/2" W DN, 1/2" HW DN
- 8 WATER HAMMER ARRESTOR
- 9 1/2" HW DN, 1 1/2" V/2" W DN, 1/2" CW DN
- 10 1/2" CW DN, 1/2" HW DN
- 11 6" DS DN W/CO 24" AFF
- 12 6" DS UP
- 13 1 1/4" DWS & 1 1/4" DWR UP TO UNIT VENTILATOR
- 14 1 1/4" DWS & 1 1/4" DWR DN TO UNIT VENTILATOR
- 15 2" V DN, 1 1/4" CW DN
- 16 DWS UP TO AHU/DN, DWR UP TO AHU/DN
- 17 HYDRONIC SEMI-RECESSED INVERTED FLOW CABINET UNIT HEATER
- 18 HYDRONIC 24"x48" RADIANT CEILING PANEL. SEE RADIANT PANEL PIPING DETAIL.
- 19 HYDRONIC FLOOR MOUNTED INVERTED FLOW CABINET UNIT HEATER. SEE CABINET UNIT HEATER PIPING DETAIL.
- 20 3/4" DWS & 3/4" DWR DN TO CABINET UNIT HEATER
- 21 HYDRONIC WALL MOUNTED FIN/TUBE RADIATION. SEE FIN/TUBE RADIATION PIPING DETAIL.
- 22 HYDRONIC UNIT VENTILATOR. SEE UNIT VENTILATOR PIPING DETAIL.
- 23 EXTEND 1" FCU DRAIN TO MSK
- 24 HYDRONIC FAN COIL UNIT. SEE FAN COIL UNIT PIPING DETAIL.
- 25 2" G DN, 3/4" RHW DN, 1 1/4" HW DN, 2 1/2" CW DN, 4" DWR DN, 4" DWS DN
- 26 SEE ENLARGED PLAN ON THIS SHEET FOR CONTINUATION
- 27 2" V UP
- 28 1/2" G UP. PROVIDE UNDER ADD ALTERNATE #5
- 29 ELECTRIC WATER COOLER & ASSOCIATED PIPING TO REMAIN CONNECTED
- 30 2" W UP TO FD
- 31 2" W UP TO ESH
- 32 1 1/4" CW UP, 1 1/4" HW UP
- 33 1/2" HW UP, 2" W UP TO SK, 1/2" CW UP
- 34 1/2" CW UP, 2" W UP TO SK, 1/2" HW UP
- 35 4" W UP TO CO
- 36 CONNECT TO EXISTING PIPING. VERIFY SIZE & LOCATION PRIOR TO ASSOCIATED WORK
- 37 PIPING TO BE PROVIDED UNDER ADD ALTERNATE #5



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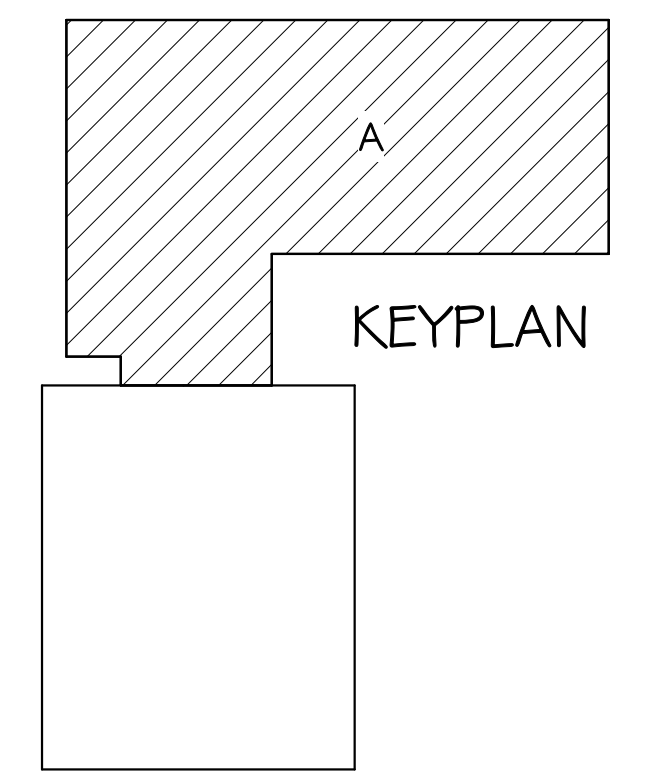
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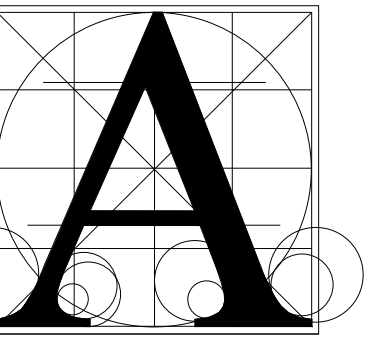
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ST. MARY'S CATHOLIC SCHOOL
FIRST FLOOR PLAN - AREA A - PLUMBING & HEATING



Project	number	0413.2788.18
date	7-31-2022	
revision		
drawn	DWM	checked Td
NO.	DATE	DESCRIPTION
1	6/23/22	ADDENDUM 1

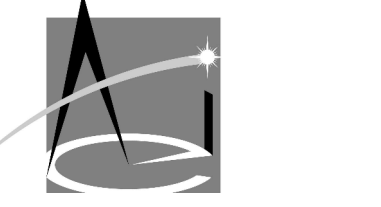
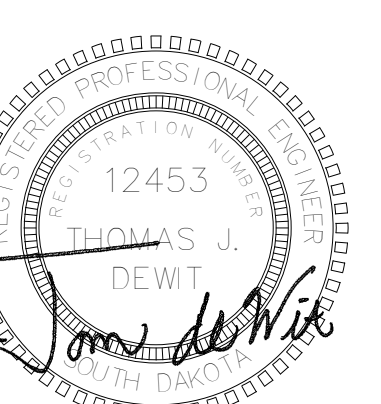
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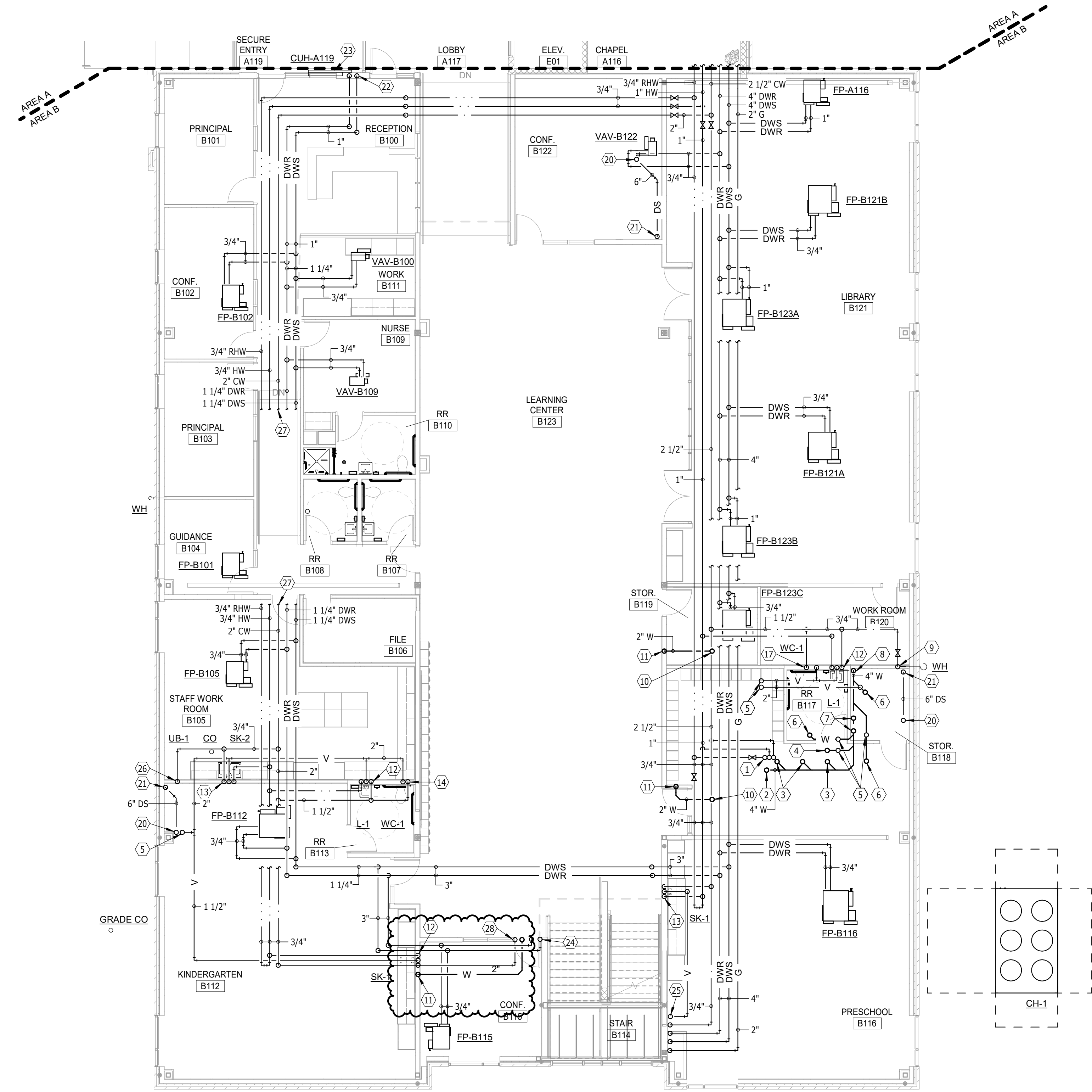
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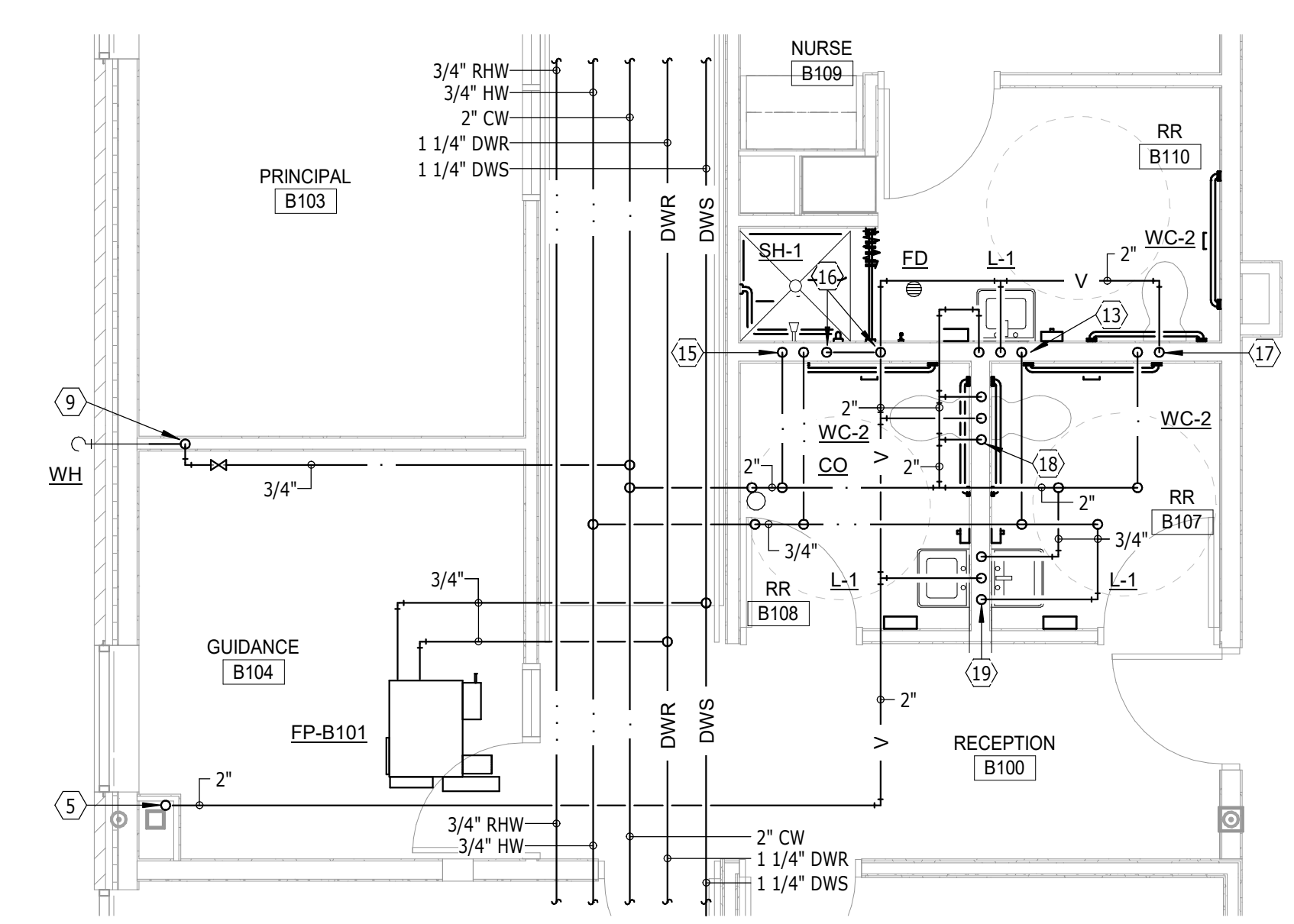
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GENERAL SHEET NOTES

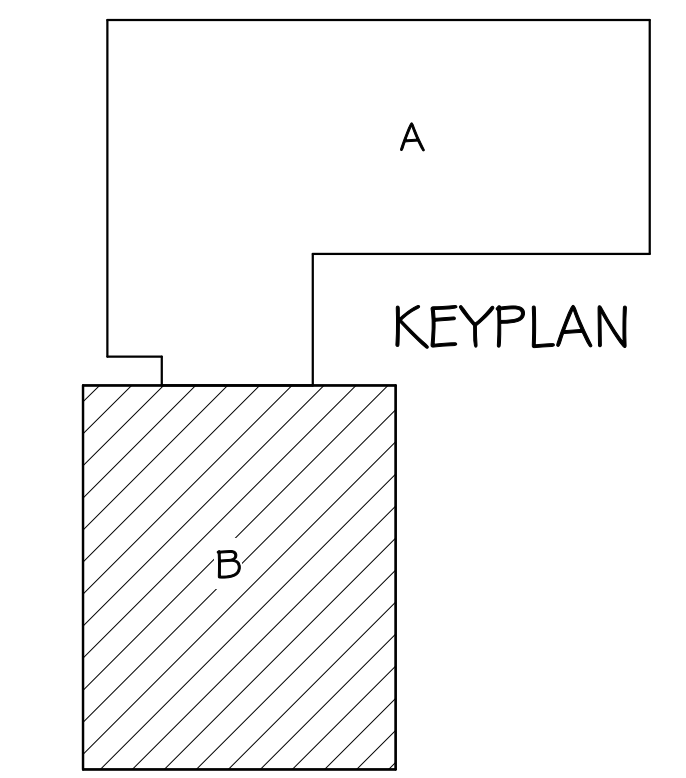
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 - B. ON DEMO DRAWINGS, ITEMS SHOWN LIGHT ARE EXISTING TO REMAIN, ITEMS SHOWN BOLD ARE EXISTING TO BE REMOVED.
 - C. ON NEW CONSTRUCTION DRAWINGS, ITEMS SHOWN LIGHT ARE EXISTING TO REMAIN, ITEMS SHOWN BOLD ARE NEW WORK.
- PLUMBING & HEATING NOTES
- 1 3/4" RHW UP, 3/4" HW UP, 2" CW UP
 - 2 4" W UP TO CO
 - 3 2" W UP TO UR
 - 4 3" W UP TO MSK
 - 5 2" V UP
 - 6 2" W UP TO FD
 - 7 4" W UP TO WC
 - 8 4" W DN W/CO 24" AFF
 - 9 3/4" CW DN TO WH MTD 24" ABOVE GRADE
 - 10 2" W UP TO LAV
 - 11 2" W DN W/CO 24" AFF
 - 12 1/2" HW DN, 1 1/2" V/2" W DN, 1/2" CW DN
 - 13 1/2" CW DN, 1 1/2" V/2" W DN, 1/2" HW DN
 - 14 2" V DN, 1 1/4" CW DN
 - 15 1/2" CW DN, 1/2" HW DN
 - 16 2" V DN
 - 17 1 1/4" CW DN, 2" V DN
 - 18 1 1/4" CW DN, 2" V DN, 1 1/4" CW DN
 - 19 3/4" CW DN, 1 1/2" V/2" W DN, 3/4" HW DN
 - 20 6" DS UP
 - 21 6" DS DN W/CO 24" AFF
 - 22 1" DWS & 1" DRW UP TO CABINET UNIT HEATER
 - 23 HYDRONIC SEMI-RECESSED INVERTED FLOW CABINET UNIT HEATER
 - 24 3" DWR UP, 3" DWS UP
 - 25 2" V UP DN, 3/4" CW DN, 1 1/2" DWR UP/4" DN, 1 1/2" DWS UP/4" DN, 2" G DN
 - 26 1/2" CW DN TO ICEMAKER UTILITY BOX
 - 27 SEE ENLARGED PLAN ON THIS SHEET FOR CONTINUATION
 - 28 1/2" CW UP, 2" W UP TO EWC



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



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



ST. MARY'S CATHOLIC SCHOOL
FIRST FLOOR PLAN - AREA B - PLUMBING & HEATING

Project	number	0413.2788.18
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	revision	
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	checked	Td
NO.	DATE	DESCRIPTION
1	6/23/22	ADDENDUM 1

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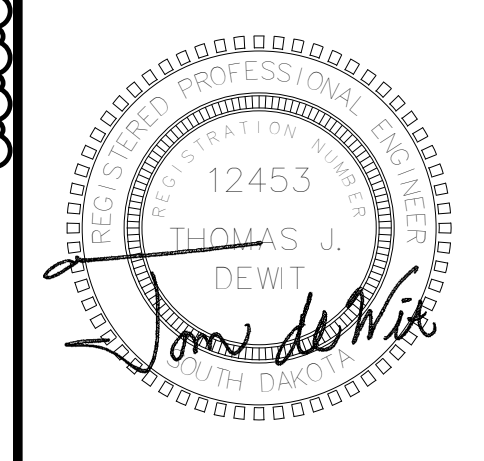

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- PLUMBING & HEATING NOTES**
- 1 6" DS UP TO 6" RD
 - 2 4" DS UP TO 4" RD
 - 3 6" DS DN
 - 4 1 1/4" DWS & 1 1/4" DWR DN TO UNIT VENTILATOR
 - 5 2 1/2" DWR DN, 2 1/2" DWS DN
 - 6 EXTEND AHU CONDENSATE PIPING TO FIXTURE BELOW
 - 7 HYDRONIC UNIT VENTILATOR. SEE UNIT VENTILATOR PIPING DETAIL
 - 8 PROVIDE NEW 3" ROOF DRAIN DURING REROOFING. CONNECT TO EXISTING PIPING
 - 9 2" V DN
 - 10 4" V UP (4" VTR)
 - 11 2" V DN
 - 12 1/2" G DN
 - 13 GAS EMERGENCY SHUTOFF PUSH BUTTON CONNECTED TO SOLENOID VALVE (MTD BELOW CEILING) SERVING CLASSROOM. VALVE ASCO MODEL 8215-EXPLOSION PROOF, 120 VOLT OR EQUAL
 - 14 EMERGENCY EYEWASH/SHOWER MIXING VALVE. SEE PIPING DETAIL
 - 15 1/2" HW DN, 1 1/2" W/2" W DN, 1/2" CW DN
 - 16 1/2" G DN TO COUNTERTOP MOUNTED DOUBLE GAS TURRET
 - 17 UNIT VENTILATOR & ASSOCIATED PIPING INSTALLED UNDER BASE BID
 - 18 1 1/4" CW DN, 1 1/4" HW DN
 - 19 1 1/2" V/2" W DN
 - 20 1 1/4" TW DN TO ESH
 - 21 CONNECT TO EXISTING PIPING. VERIFY SIZE & LOCATION PRIOR TO ASSOCIATED WORK

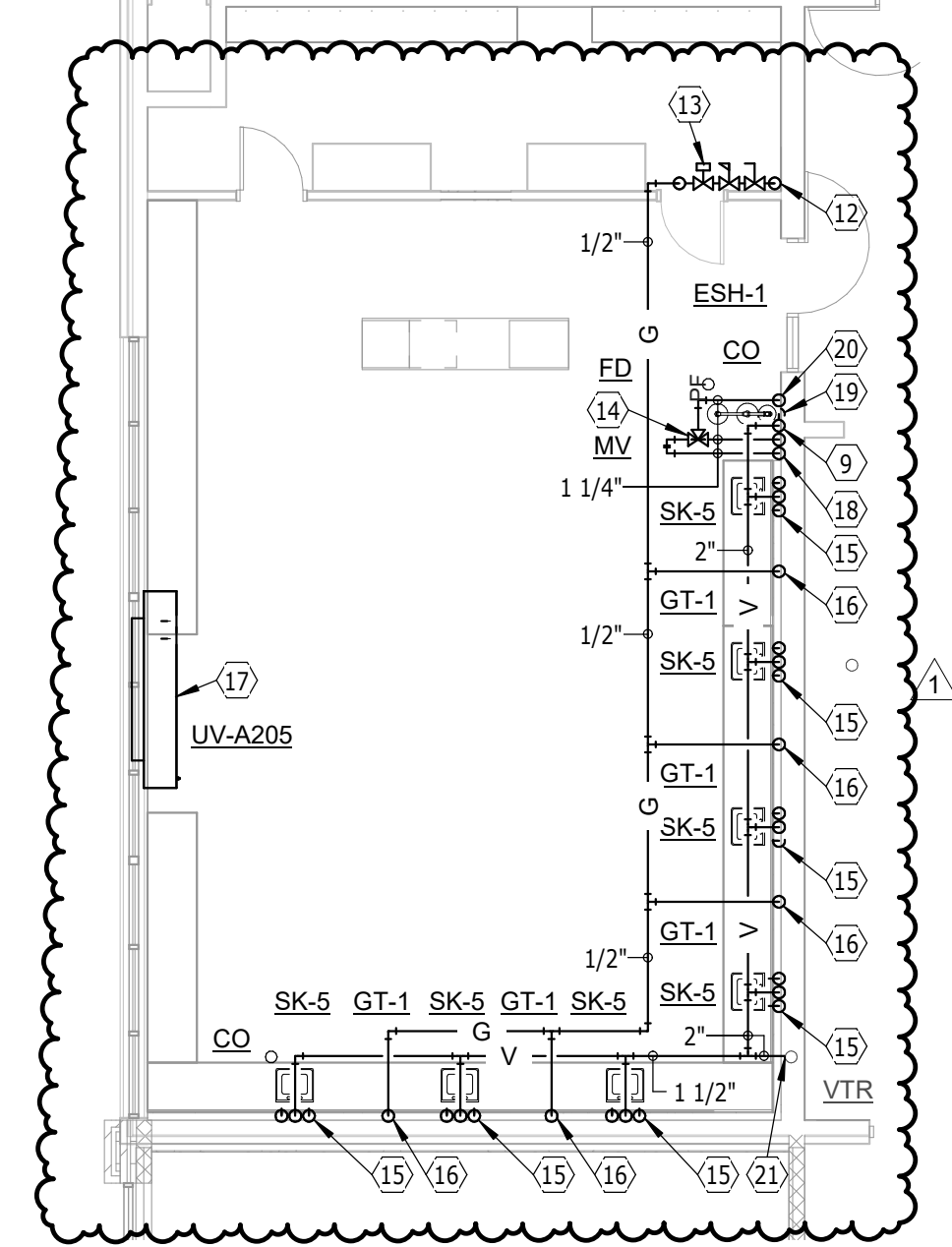
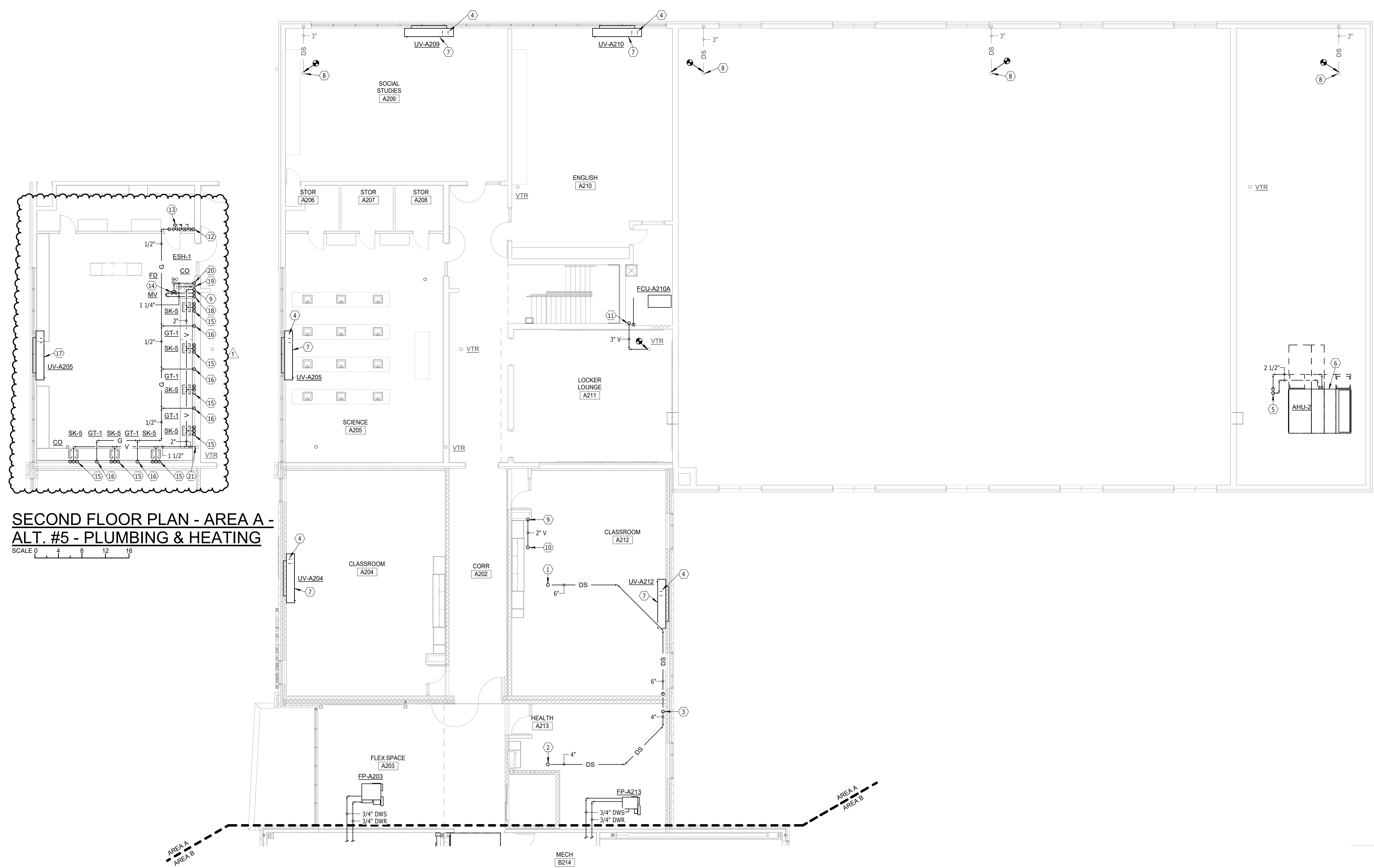


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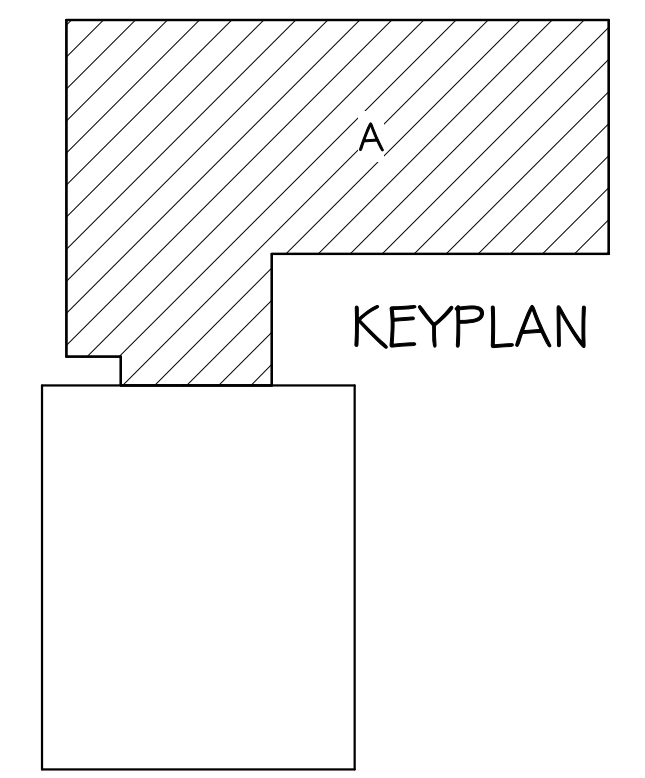



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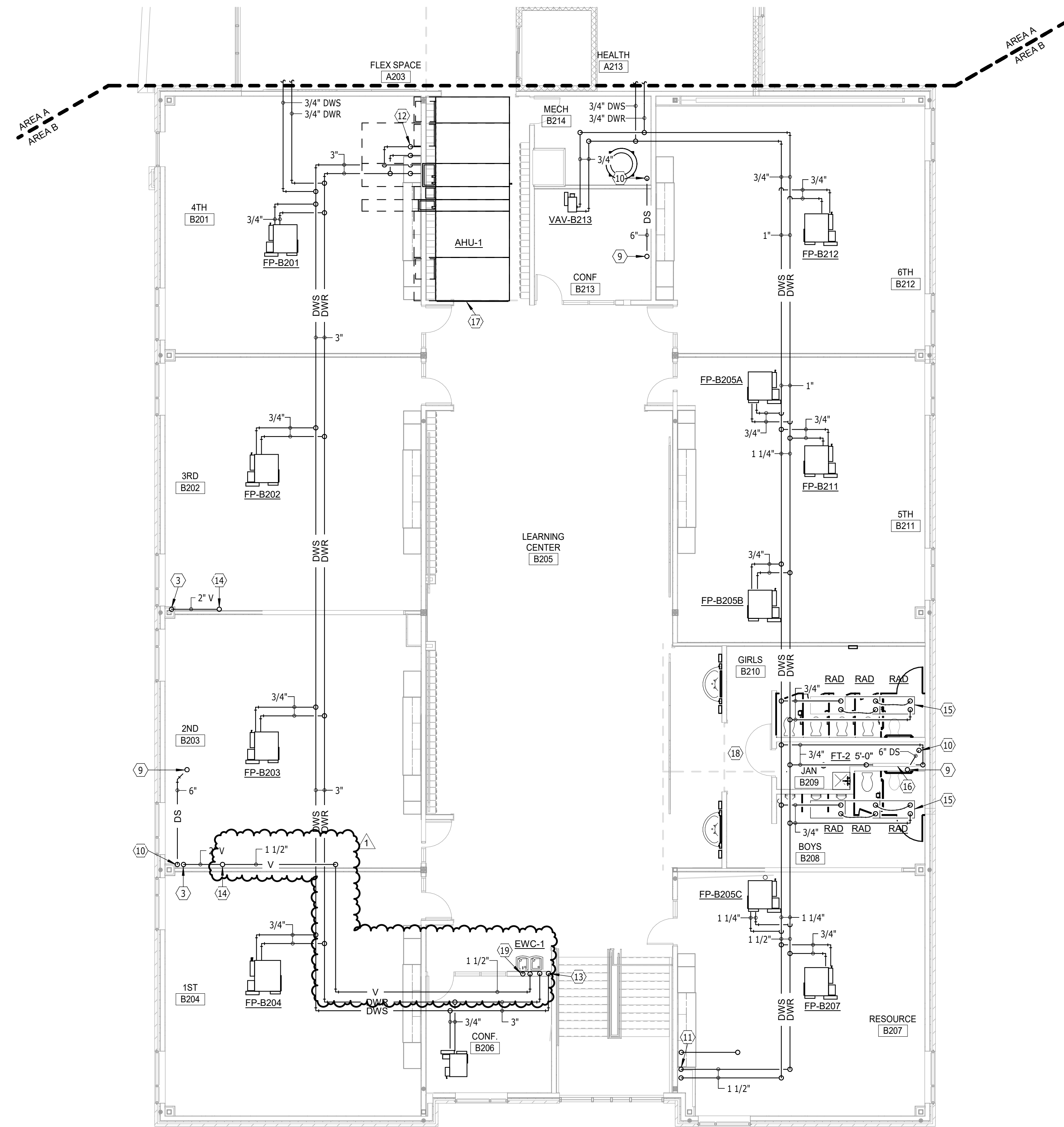
SECOND FLOOR PLAN - AREA A - ALT. #5 - PLUMBING & HEATING
 SCALE 0 4 8 12 16

SECOND FLOOR PLAN - AREA A - PLUMBING & HEATING
 SCALE 0 4 8 12 16

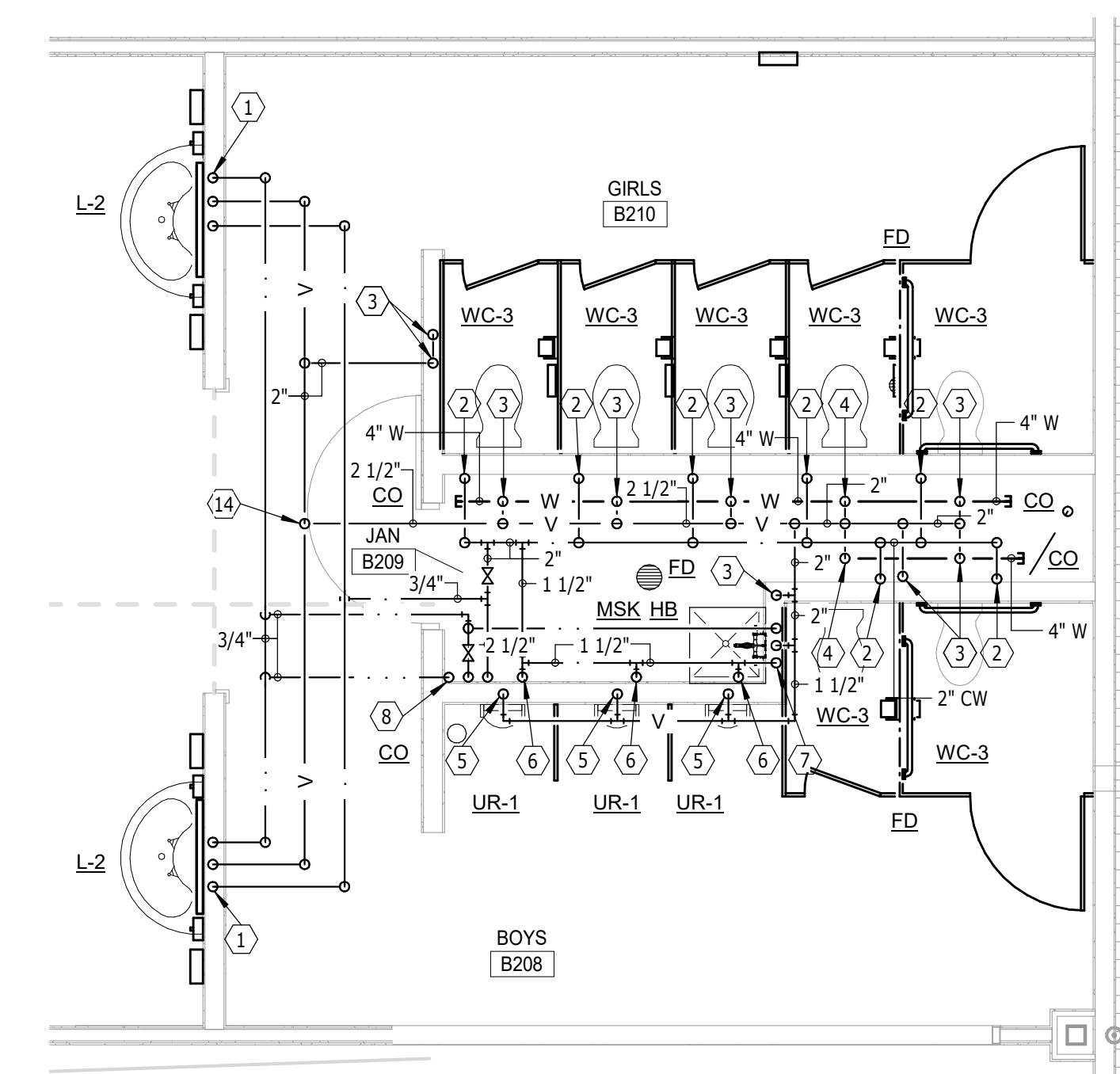


ST. MARY'S CATHOLIC SCHOOL
SECOND FLOOR PLAN - AREA A - PLUMBING & HEATING

Project
 number 0413.2788.18
 date 7-31-2022
 revision
 drawn DWM checked Td
 NO. DATE DESCRIPTION
 1 6/23/22 ADDENDUM 1



SECOND FLOOR PLAN - AREA B - PLUMBING & HEATING
 SCALE 0 4 8 12 16



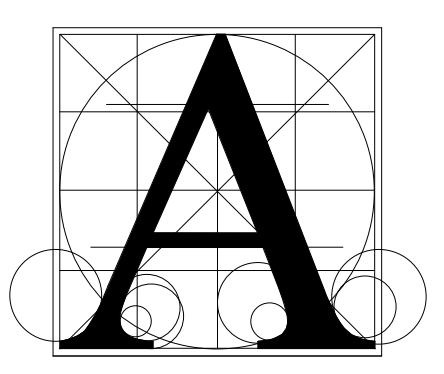
ENLARGED SECOND FLOOR PLAN - AREA B - PLUMBING & HEATING
 SCALE 0 2 4 6 8

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PLUMBING & HEATING NOTES

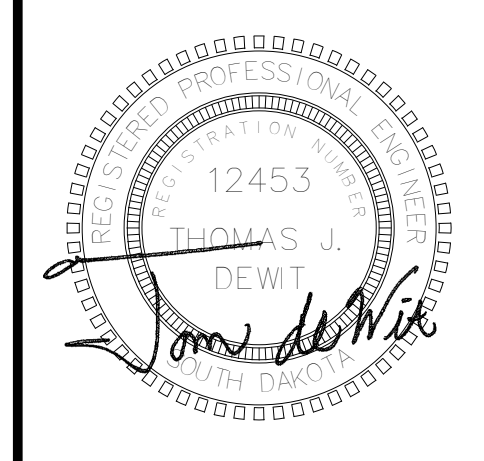
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- 2 1 1/4" CW DN
- 3 2" V DN
- 4 2" V/4" W DN
- 5 1 1/2" V/2" W DN
- 6 1" CW DN
- 7 1/2" HW DN, 2" V DN, 3/4" DN TO HBMSK
- 8 3/4" RHW DN, 3/4" HW DN, 2" CW DN
- 9 6" DS UP TO 6" RD
- 10 6" DS DN
- 11 1 1/2" DWR DN, 1 1/2" DWS DN
- 12 2" DWS & 2" DWR UP THRU ROOF TO AHU, 3" DWS & 3" DWR UP THRU ROOF TO AHU
- 13 3" DWR DN, 3" DWS DN
- 14 4" V UP (4" VTR)
- 15 HYDRONIC 24"X48" RADIANT CEILING PANEL. SEE RADIANT PANEL PIPING DETAIL.
- 16 HYDRONIC WALL MOUNTED FIN/TUBE RADIATION. SEE FIN/TUBE RADIATION PIPING DETAIL.
- 17 HYDRONIC AIR HANDLING UNIT. SEE AIR HANDLING UNIT PIPING DETAIL.
- 18 SEE ENLARGED PLAN ON THIS SHEET FOR CONTINUATION
- 19 1/2" CW DN, 1 1/2" V/2" W DN



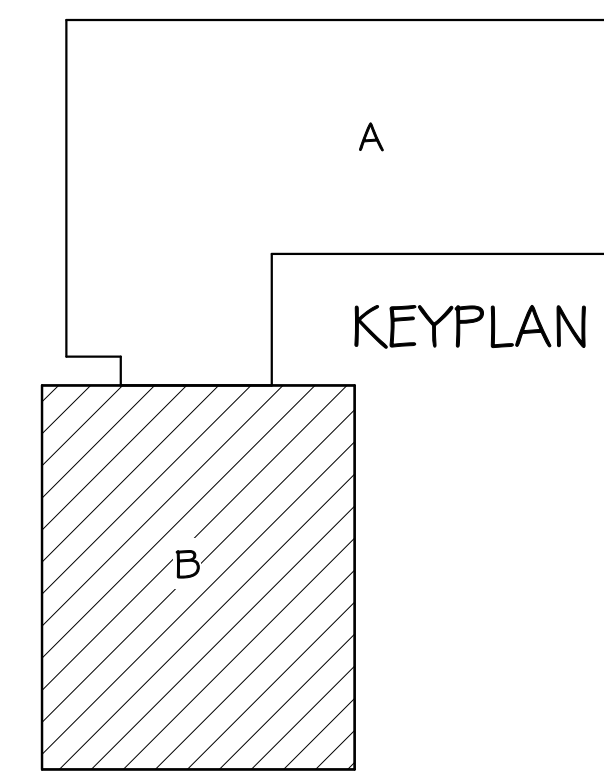
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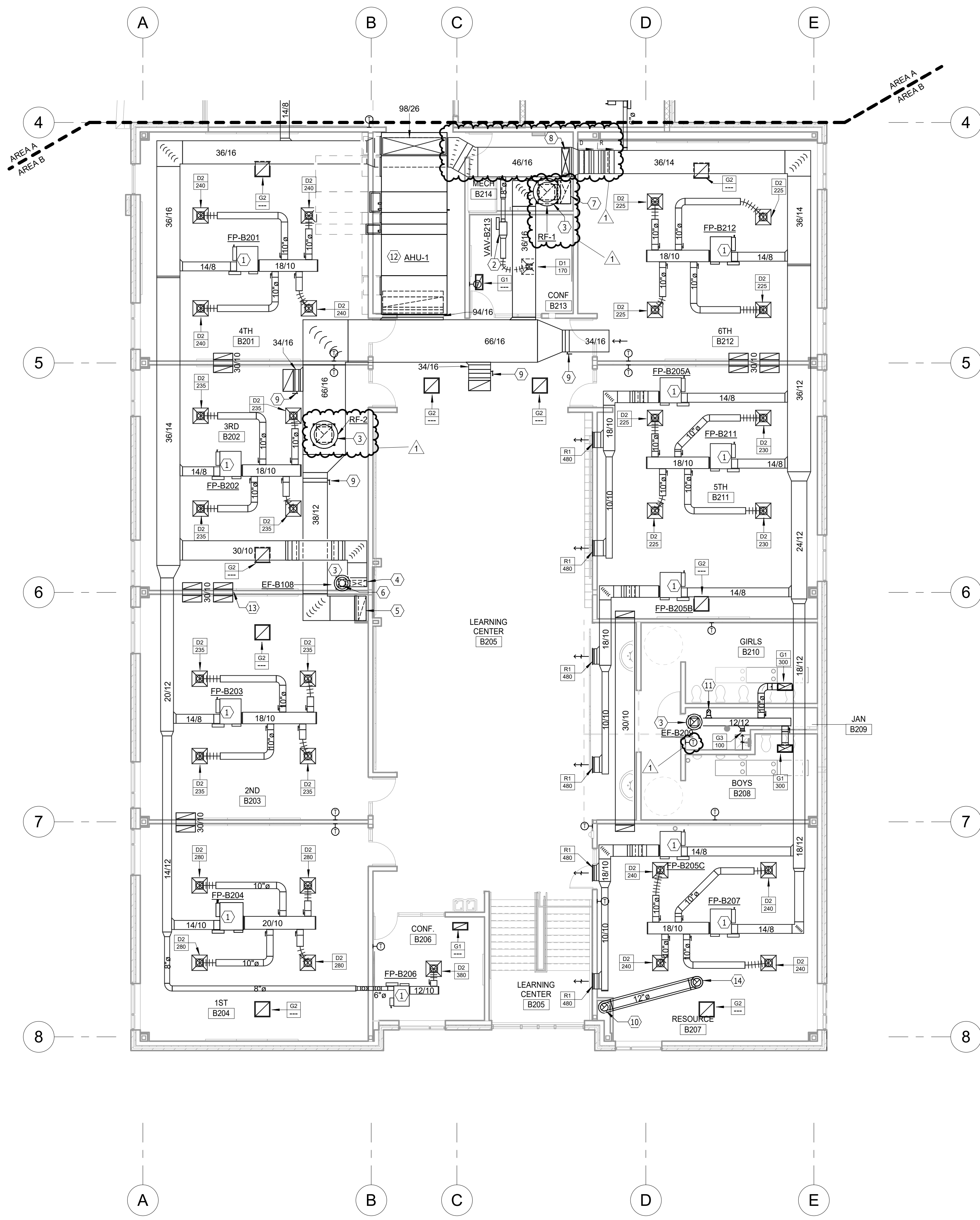
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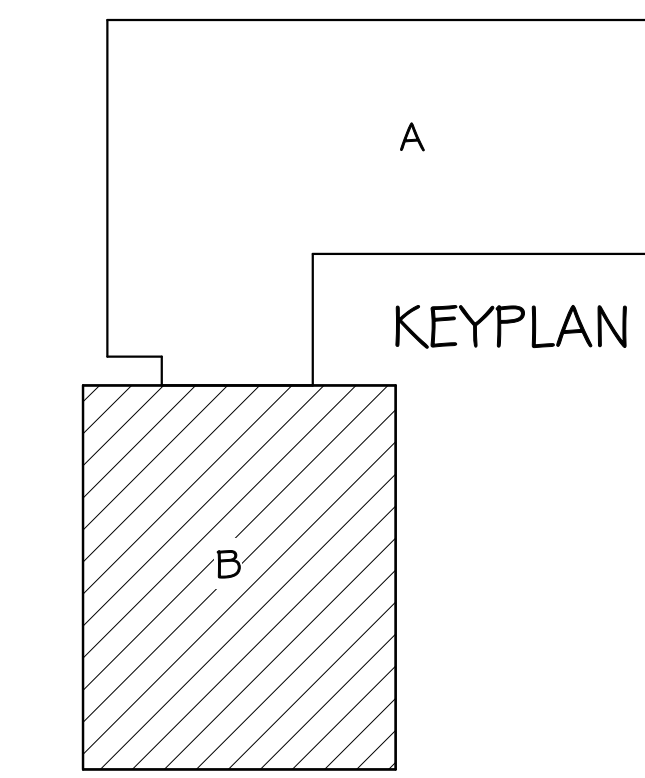
ST. MARY'S CATHOLIC SCHOOL
SECOND FLOOR PLAN - AREA B - PLUMBING & HEATING

Project	number	0413.2788.18
date	7-31-2022	
revision		
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NO.	DATE	DESCRIPTION
1	6/23/22	ADDENDUM 1

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



- 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.
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- VENTILATION NOTES**
- LOW PROFILE FAN POWERED VAV TERMINAL WITH HOT WATER RE-HEAT COIL INSTALLED ABOVE CEILING. PROVIDE INLET SOUND ATTENUATOR (TYP)
 - SHUT OFF TYPE VAV TERMINAL WITH RE-HEAT COIL INSTALLED ABOVE CEILING. (TYP)
 - PRV INSTALLED ON ROOF WITH FULLY INSULATED ROOF CURB. PROVIDE BACKDRAFT DAMPER AND INSULATED DROP. MAINTAIN MINIMUM 10' FROM ROOF EDGE.
 - 30"10 SIA DOWN THRU FLOOR.
 - 38"12 R/A DOWN THRU FLOOR.
 - 10"0 E/A DOWN THRU FLOOR.
 - 36"16 R/A DOWN THRU FLOOR.
 - 42"12 SIA DOWN THRU FLOOR.
 - BALANCE DAMPER, (TYPICAL).
 - 12"0 BOILER VENT UP IN CHASE.
 - 6"0 E/A DOWN THRU FLOOR.
 - ROOFTOP AIR HANDLING UNIT MOUNTED ON 18" INSULATED ROOF CURB. PROVIDE SOUND ISOLATION PER DETAIL. MAINTAIN MINIMUM 10' FROM ROOF EDGE.
 - AIR TRANSFER DUCT WITH OPENINGS ON BOTH SIDES OF WALL. BOTH OPENINGS SHALL BE IN THE TOP OR ON THE SAME SIDED - NO TURN VANES - SIZE AS SHOWN OR AT 600 FPM (TYP)
 - 12"0 BOILER VENT UP THRU ROOF WITH ROOF WITH INSULATED ROOF CURB. SEAL PENETRATION WATERTIGHT.

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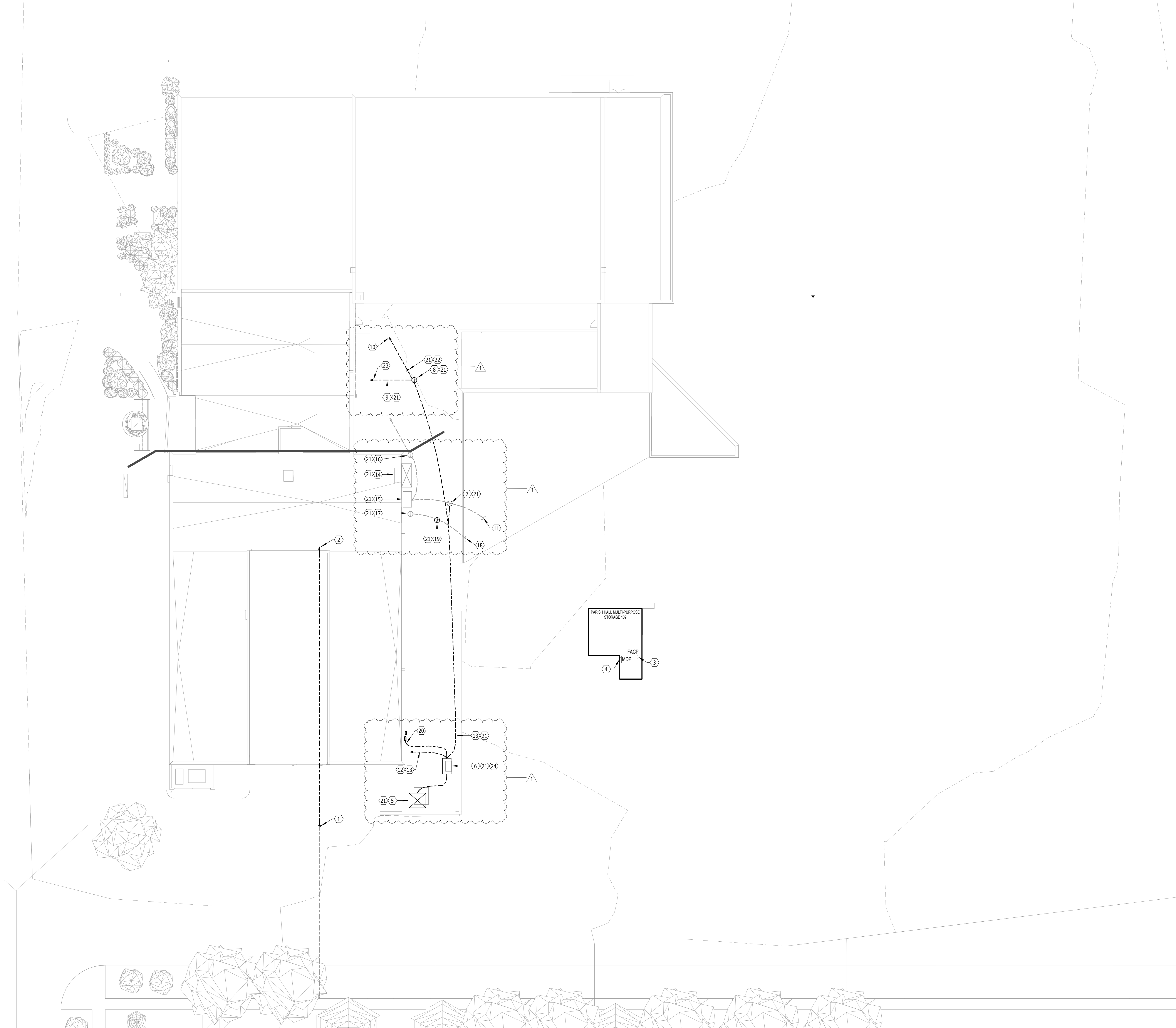
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ST. MARY'S CATHOLIC SCHOOL
SECOND FLOOR PLAN - AREA B - VENT. & A/C

Project number: 0413.2788.18
 date: 7-31-2022
 revision:
 drawn: NJH checked: Td
 NO. DATE DESCRIPTION
 1 6/23/22 ADDENDUM 1

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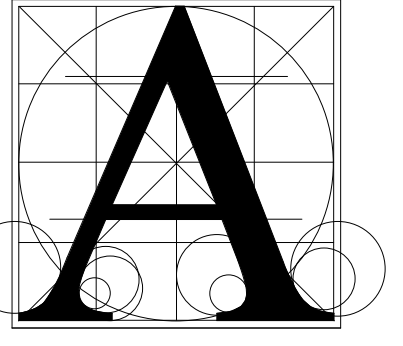
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SITE PLAN - ELECTRICAL
 SCALE 0 8 16 24 32

ELECTRICAL NOTES

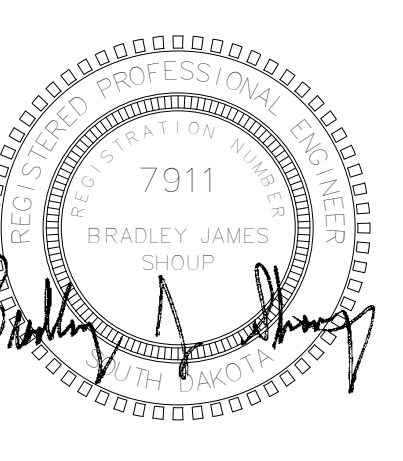
- 1 INTERCEPT EXISTING 2" COMMUNICATIONS CONDUIT.
- 2 2" CONDUIT TO DATA RACK IN ROOM B214.
- 3 EXISTING PARISH HALL FIRE ALARM CONTROL PANEL (GAMEWELL/FCI).
- 4 EXISTING PARISH HALL MAIN DISTRIBUTION PANEL "MDP" (GE).
- 5 NEW UTILITY TRANSFORMER.
- 6 NEW CT CABINET AND METER.
- 7 IN-GRADE JUNCTION/SPICE BOX FOR PARISH HALL ELECTRICAL SERVICE. FIELD VERIFY LOCATION.
- 8 IN-GRADE JUNCTION/SPICE BOX FOR EXISTING HIGH SCHOOL ELECTRICAL SERVICE AND NEW ELECTRICAL SERVICE FOR "MDP1". FIELD VERIFY LOCATION.
- 9 TEMPORARY ELECTRICAL SERVICE TO EXISTING HIGH SCHOOL GUTTER.
- 10 PERMANENT ELECTRICAL SERVICE TO "MDP1".
- 11 EXISTING ELECTRICAL SERVICE TO PARISH HALL.
- 12 ELECTRICAL SERVICE TO "MDP2".
- 13 DO NOT ROUTE RACEWAYS UNDER CHILLER LOCATION.
- 14 EXISTING UTILITY TRANSFORMER TO BE REMOVED.
- 15 EXISTING CT CABINET TO BE REMOVED.
- 16 EXISTING POWER IN-GRADE SPICE/PULL BOX AND SERVICE TO HIGH SCHOOL TO BE REMOVED.
- 17 EXISTING COMMUNICATIONS IN-GRADE BOX TO BE RELOCATED.
- 18 EXISTING 2" RACEWAY TO PARISH HALL FOR COMMUNICATIONS CABLING.
- 19 RELOCATE COMMUNICATIONS IN-GRADE BOX TO THIS AREA. INTERCEPT EXISTING CONDUIT TO PARISH HALL.
- 20 CHILLER ELECTRICAL SERVICE.
- 21 WORK TO BE PROVIDED BY OTHERS PRIOR TO CONSTRUCTION.
- 22 2 EACH 2" CONDUIT STUBBED 2' OUT OF BOX.
- 23 REMOVE AFTER SWITCHOVER TO PERMANENT ELECTRICAL SERVICE TO "MDP1".
- 24 THE RACEWAYS FOR THE CHILLER SERVICE (2 EACH 2 5") AND MDP-2 (2 EACH 3") FOR "MDP2" SERVICE ARE STUBBED OUT 2' BEYOND THE CONCRETE PAD.



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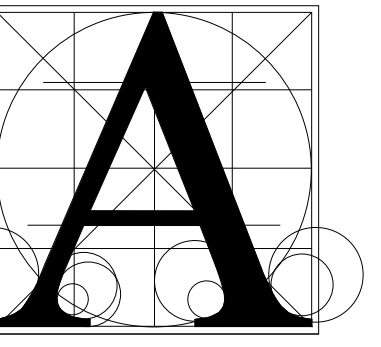
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ST. MARY'S CATHOLIC SCHOOL

SITE/ORIENTATION PLAN - ELECTRICAL

Project	number	0413.2786.18
	date	7-31-2022
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drawn	ADP	checked
		BJS
NO.	DATE	DESCRIPTION
1	6/23/22	ADDENDUM 1

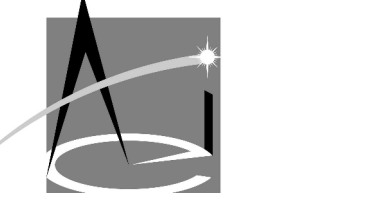
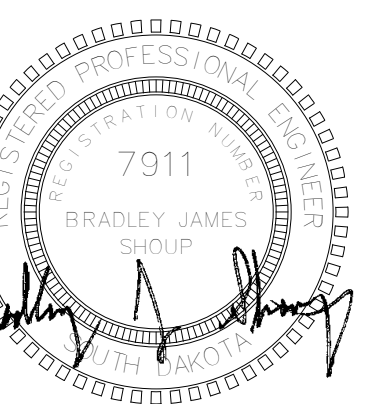
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ACEI PROJ. #122018

ST. MARY'S CATHOLIC SCHOOL
BASEMENT FLOOR PLAN - DEMO - ELECTRICAL

Project	number	0413.2788.18	
	date	7-31-2022	
	revision		
drawn	ADP	checked	BJS
NO.	DATE	DESCRIPTION	
1	6/23/22	ADDENDUM 1	

9.20

ELECTRICAL NOTES

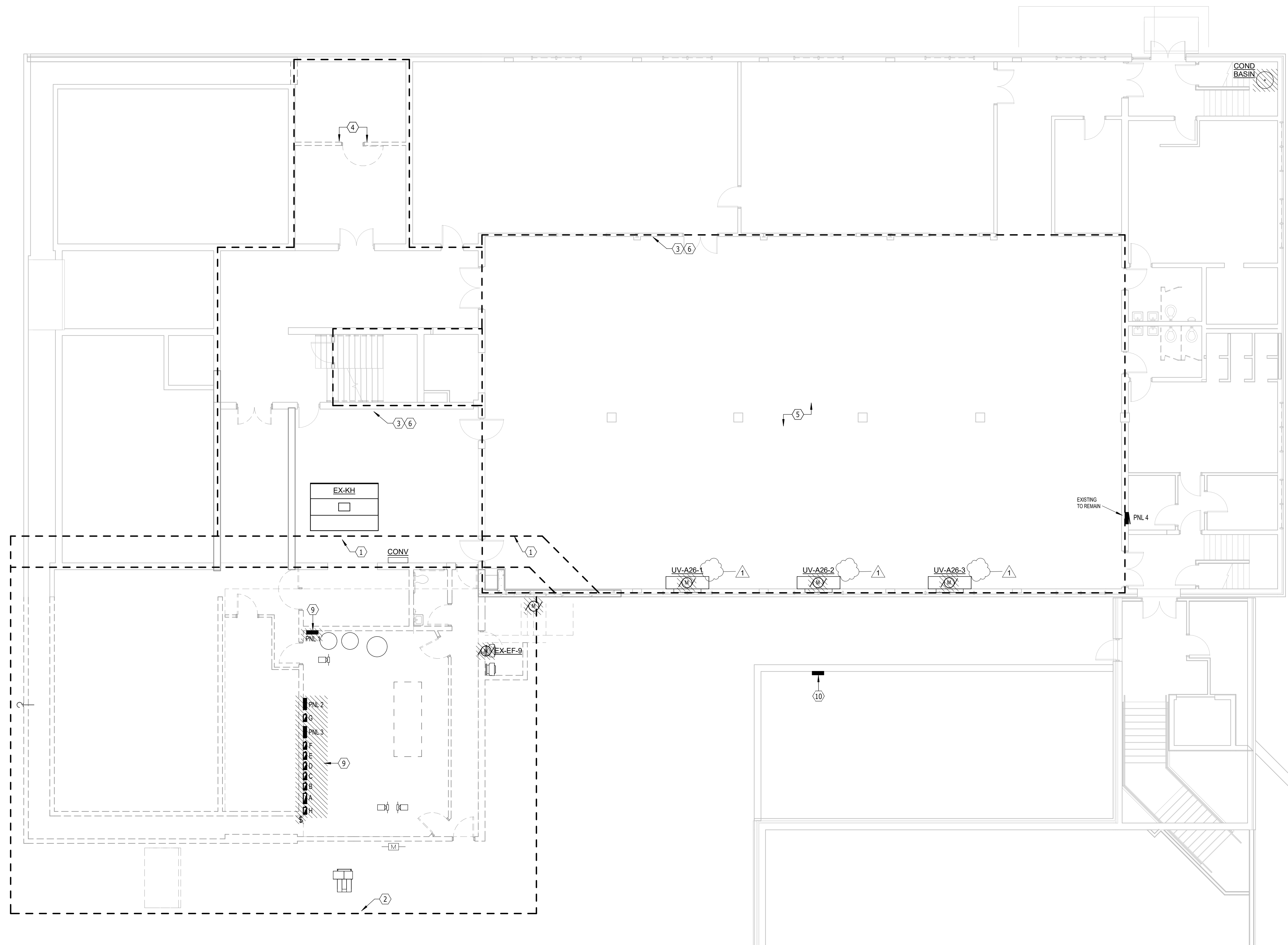
- 1 INTERCEPT EXISTING FEEDERS AND BRANCH CIRCUITS THAT ARE TO REMAIN IN OPERATION AND FEED FROM NEW "MDP1" AND PANEL "L1"
- 2 WITHIN THIS DASHED AREA, UNLESS NOTED OTHERWISE, REMOVE ALL EXISTING ELECTRICAL DEVICES, SYSTEMS, BOXES, RACEWAYS, CONDUITORS, CABLES, AND CONNECTIONS TO MECHANICAL EQUIPMENT THAT IS BEING REMOVED TO THE EXTENT POSSIBLE.
- 3 WITHIN THIS DASHED AREA, UNLESS NOTED OTHERWISE, REMOVE AND REINSTALL EXISTING CEILING MOUNTED ELECTRICAL DEVICES AND ASSOCIATED RACEWAYS, BOXES, AND CONDUITORS, AS REQUIRED FOR CONSTRUCTION.
- 4 REMOVE EXISTING ELECTRICAL SYSTEMS AS REQUIRED FOR WALL DEMOLITION.
- 5 REMOVE EXISTING CEILING FANS AND ASSOCIATED CONTROLS IN THIS ROOM.
- 6 WITHIN THIS DASHED AREA, UNLESS NOTED OTHERWISE, REMOVE ALL EXISTING CEILING MOUNTED LUMINAIRES AND ASSOCIATED RACEWAYS, BOXES, AND CONDUITORS.
- 7 RELOCATE EXISTING DEVICE, EXTEND/REROUTE EXISTING RACEWAYS AND CONDUITORS AS REQUIRED.
- 8 EXISTING LIGHTING IN THIS ROOM IS CONNECTED TO CIRCUIT FEEDING LIGHTING IN THE ELEVATOR SHAFT. REMOVE CONNECTION AND FEED FROM A SPARE 20A/1P CIRCUIT BREAKER IN PANEL "L2".
- 9 EXISTING SWITCHGEAR TO BE REMOVED. SEE NOTE #1 ON THIS SHEET.
- 10 EXISTING PANEL "L2" AT MAIN LEVEL OF SANCTUARY.
- 11 NOT USED.

GENERAL SHEET NOTES

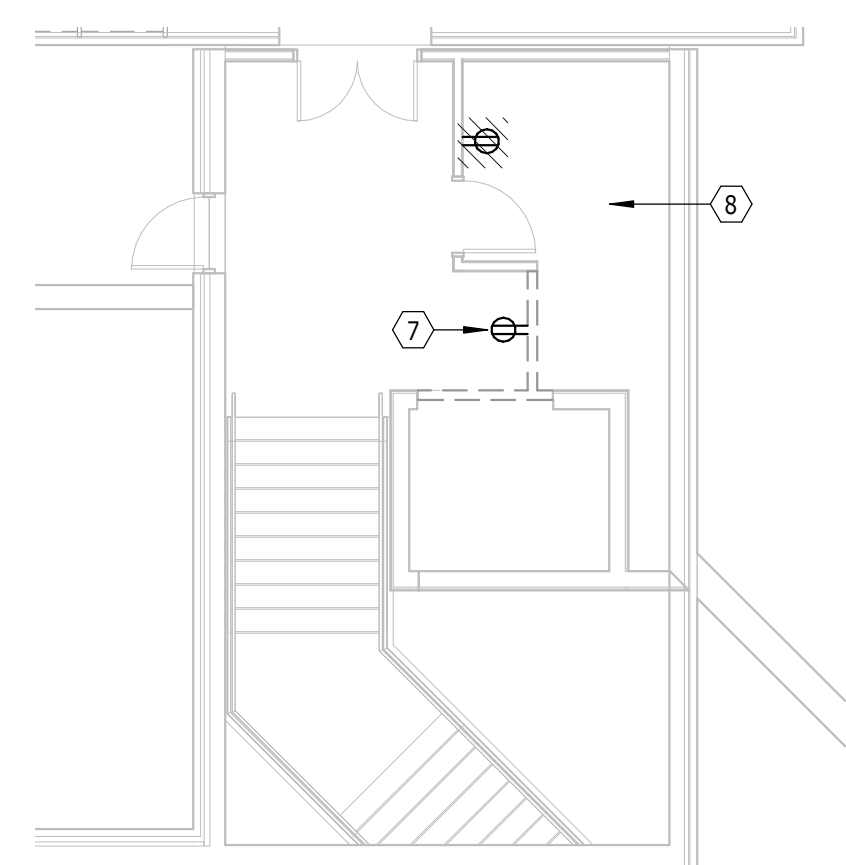
- A. WITHIN THE SCHOOL BUILDING, REMOVE ALL EXISTING JOHNSON CONTROLS/FCI FIRE ALARM SYSTEM EQUIPMENT, DEVICES AND ASSOCIATED RACEWAYS, BOXES, AND CABLE TO EXTENT POSSIBLE.

GENERAL DEMOLITION SHEET NOTES

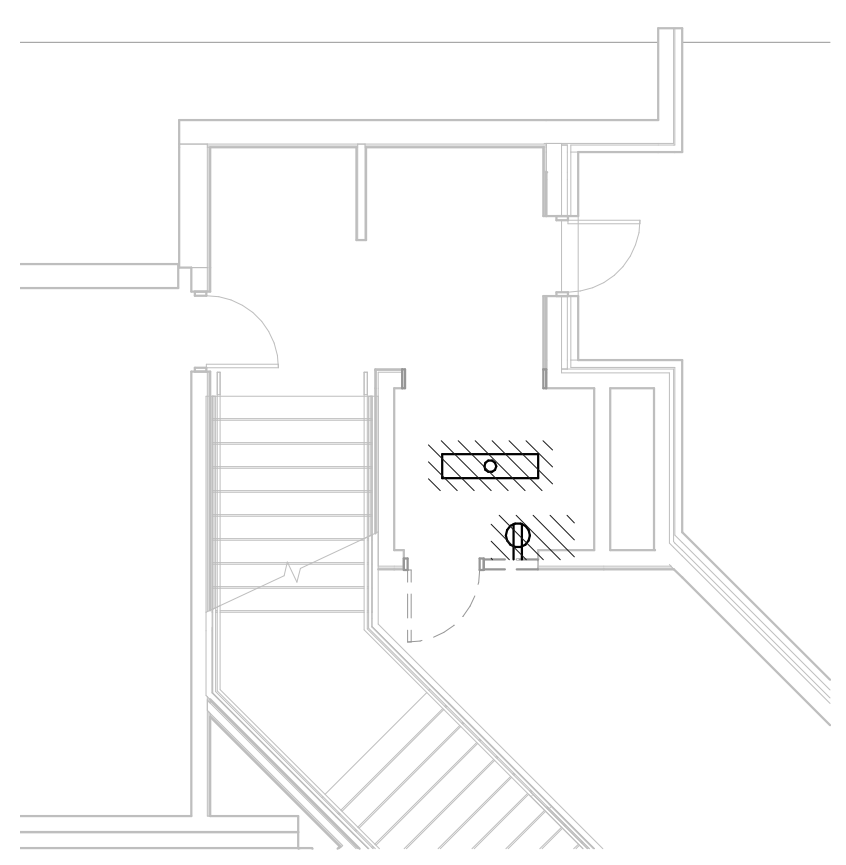
- A. DEMO HATCHED ITEMS.
- B. PERFORM ALL DEMOLITION WORK AS REQUIRED AND REMODELING WORK AS SHOWN ON THE DRAWINGS INCLUDING MINOR ITEMS OF MATERIAL OR EQUIPMENT NECESSARY TO MEET THE REQUIREMENTS AND INTENT OF THE PROJECT.
- C. PRIOR TO SUBMITTING BID, CONTRACTOR SHALL EXAMINE ALL GENERAL CONSTRUCTION DRAWINGS AND SHOULD HAVE HAD VISITED THE CONSTRUCTION SITE. THE CONTRACTOR SHALL BE FAMILIAR WITH THE EXISTING CONDITIONS UNDER WHICH HE/SHE WILL HAVE TO OPERATE AND WHICH WILL IN ANY WAY AFFECT THE WORK UNDER THIS CONTRACT IN BEHALF OF THE CONTRACTOR FOR ANY ERROR OR NEGLIGENCE ON HIS/HER PART.
- D. CERTAIN REMODELING OF ELECTRICAL FACILITIES WILL BE REQUIRED IN THE EXISTING BUILDING. EXISTING CONDUIT RUNS ARE GENERALLY NOT SHOWN, ALTHOUGH A FULL ATTEMPT HAS BEEN MADE TO SHOW SOME EXISTING CONDITIONS, OF WHICH INFORMATION HAS BEEN TAKEN FROM EXISTING RECORD DRAWINGS OF THIS PROJECT. THE DRAWINGS SHOWING LOCATIONS OF EXISTING EQUIPMENT, OUTLETS, FIXTURES, ETC. IN EXISTING AREA ARE APPROXIMATE ONLY (FIELD VERIFY).
- E. BRANCH CIRCUITS SHALL BE REUSED WHERE PRACTICAL AND SHALL, IN ADDITION, BE REMODELED AS REQUIRED. THE CONTRACTOR SHALL CONCEAL ALL WORK WHERE POSSIBLE. WHERE EXPOSED WORK IS REQUIRED IN FINISHED AREAS, THE CONTRACTOR SHALL USE SURFACE MOUNTED, MULTI-OUTLET RACEWAY, PANDUIT T70 SERIES. EXISTING RUNS SHALL BE VERIFIED.
- F. EXISTING ELECTRICAL WIRING WHICH WILL NOT BE MADE OBSOLETE AND WHICH WILL BE DISTURBED DUE TO CONSTRUCTION CHANGES REQUIRED BY THIS CONTRACT SHALL BE RESTORED TO OPERATING CONDITION, AS REQUIRED AND/OR DIRECTED. WHERE REQUIRED, SHOWN AND/OR DIRECTED, OUTLETS AND CONDUIT RUNS SHALL BE RELOCATED. IN SOME CASES, IT MAY BE NECESSARY TO EXTEND CONDUITS AND PULL IN NEW WIRING OR INSTALL JUNCTION BOXES AND SPLICE IN NEW WIRING OR REPLACE OLD WIRING WITH NEW.
- G. OUTLETS FROM WHICH FIXTURES, SWITCHES, RECEPTACLES, AND/OR OTHER ELECTRICAL DEVICES ARE MOVED AND WHICH ARE NOT REPLACED OR REUSED SHALL BE REMOVED OR, IF NOT POSSIBLE, PROVIDED WITH A BLANK PLATE ON THE OUTLET BOX. WHERE OUTLETS, BOXES, ETC. ARE COMPLETELY REMOVED, THE CONTRACTOR SHALL CUT OFF CONDUITS AND REMOVE WIRING.
- H. WHERE EXISTING LIGHT FIXTURES ARE TO BE RE-USED, THE CONTRACTOR SHALL CLEAN THE FIXTURES AND REPLACE LAMPS. THE CONTRACTOR SHALL ALSO REPAIR OR REPLACE DEFECTIVE PARTS, INCLUDING LENSES, BALLASTS, ETC. AS REQUIRED SO THAT THE FIXTURES ARE FUNCTIONING CORRECTLY.
- I. WHERE CONDUITS EXTENDING THROUGH FLOORS ARE TO BE ABANDONED, THE CONTRACTOR SHALL CUT AND CAP OR PLUG CONDUIT, SO THAT IT WILL NOT PROTRUDE ABOVE THE FLOOR.
- J. WHERE EXISTING CONDUIT IS TO BE ABANDONED, THE CONDUIT SHALL BE REMOVED IF IT IS EXPOSED, INTO A CRAWL SPACE OR ACCESSIBLE CEILING. WHERE IT IS IMPOSSIBLE TO REMOVE THE CONDUIT, IT SHALL BE CUT OFF AND CAPPED OR PLUGGED.
- K. THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR THE PROPER RESTORATION OF ALL EXISTING SURFACES REQUIRING PATCHING, PLASTERING, PAINTING AND/OR OTHER REPAIR DUE TO THE INSTALLATION OF ELECTRICAL WORK UNDER THE TERMS OF THIS CONTRACT. CLOSE ALL OPENINGS, REPAIR ALL SURFACES, ETC. AS REQUIRED.
- L. THE CONTRACTOR SHALL EMPLOY QUALIFIED AND EXPERIENCED WORKMEN FOR THIS WORK. ALL RESTORATION WORK SHALL BE SUBJECT TO THE APPROVAL OF THE ARCHITECT AND/OR THE OWNER.
- M. ALL TEMPORARY AND REMODELING WORK SHALL BE CONSIDERED A PART OF THIS CONTRACT AND NO EXTRA CHARGES WILL BE ALLOWED. THIS SHALL INCLUDE MINOR ITEMS OF MATERIAL OR EQUIPMENT NECESSARY TO MEET THE REQUIREMENTS AND INTENT OF THE PROJECT.
- N. EXAMINE ARCHITECTURAL, STRUCTURAL AND MECHANICAL DRAWINGS AND SPECIFICATIONS TO DETERMINE THE SEQUENCE OF CONSTRUCTION THROUGHOUT THE PROJECT, INCLUDING EXISTING, TEMPORARY, REMODELED AND NEW AREAS.
- O. THE OWNER RESERVES THE RIGHT TO RETAIN ANY SELECTED SALVAGE ITEMS. ALL OTHER ITEMS SHALL BE THE CONTRACTORS RESPONSIBILITY FOR LEGAL DISPOSAL.



BASEMENT FLOOR PLAN - DEMO - ELECTRICAL
SCALE 0 4 8 12 16



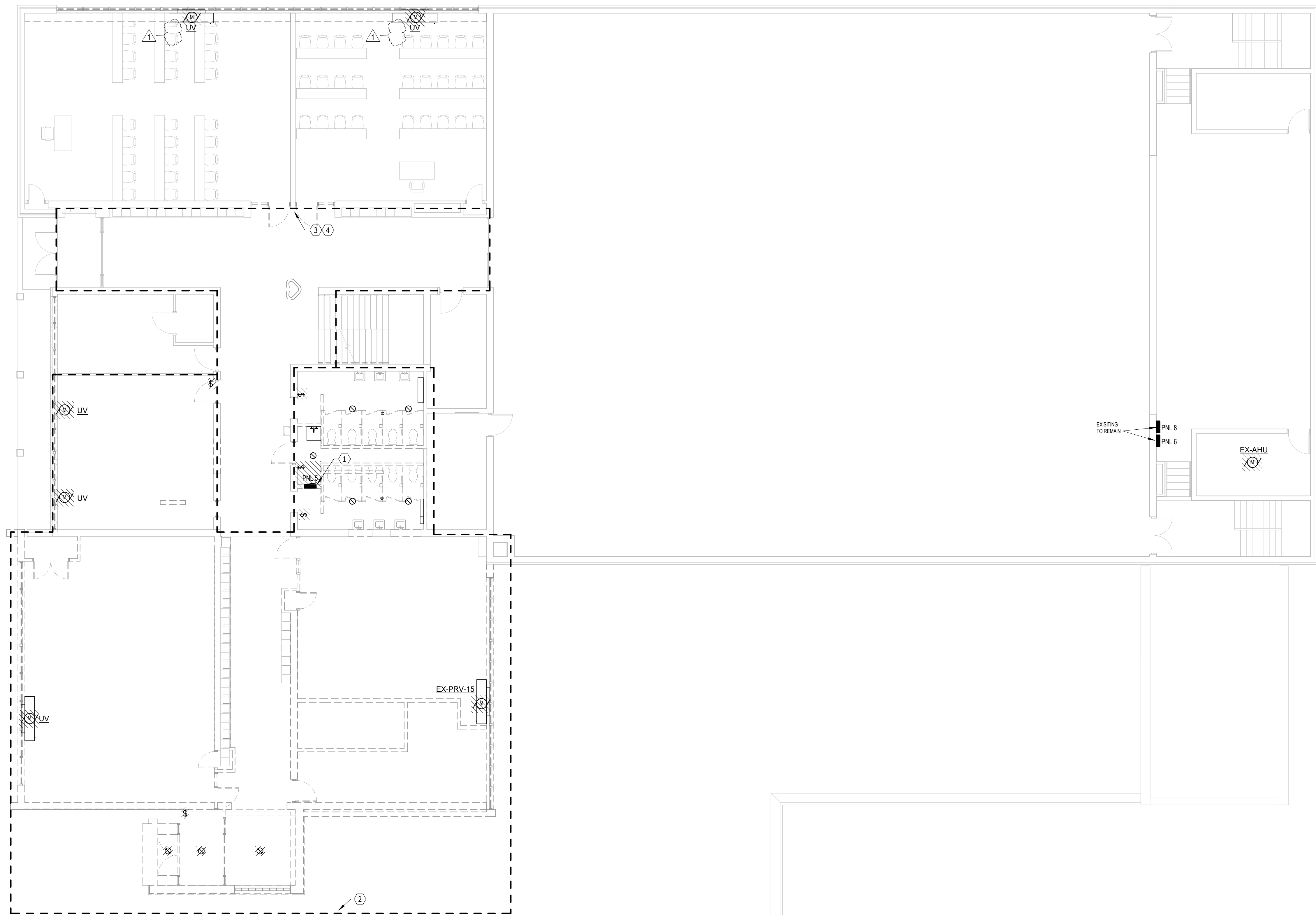
BASEMENT ALT #1 - DEMO - ELECTRICAL
SCALE 0 4 8 12 16



PARISH HALL ALT #1 - DEMO - ELECTRICAL
SCALE 0 4 8 12 16

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FIRST FLOOR PLAN - DEMO - ELECTRICAL
 SCALE 0 4 8 12 16

ELECTRICAL NOTES

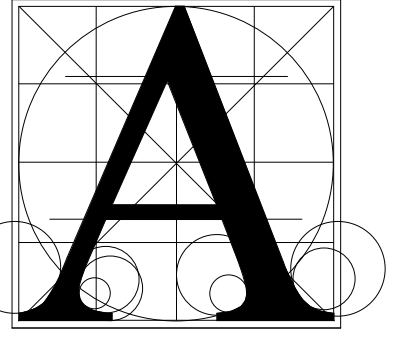
1. EXISTING PANEL TO BE REMOVED. RE-FEED EXISTING CIRCUITS THAT ARE TO REMAIN OPERATIONAL FROM NEW PANEL 15"
2. WITHIN THIS DASHED AREA, UNLESS NOTED OTHERWISE, REMOVE ALL EXISTING ELECTRICAL DEVICES, SYSTEMS, BOXES, RACEWAYS, CONDUITS OR CABLING AND CONNECTIONS TO MECHANICAL EQUIPMENT THAT IS BEING REMOVED TO THE EXTENT POSSIBLE.
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4. WITHIN THIS DASHED AREA, UNLESS NOTED OTHERWISE, REMOVE ALL EXISTING CEILING MOUNTED LUMINAIRES AND ASSOCIATED RACEWAYS, BOXES, AND CONDUCTORS.
5. NOT USED

GENERAL SHEET NOTES

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GENERAL DEMOLITION SHEET NOTES

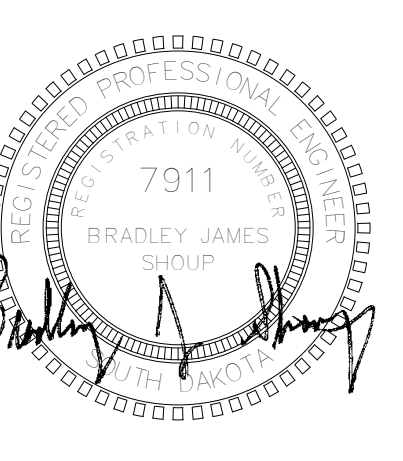
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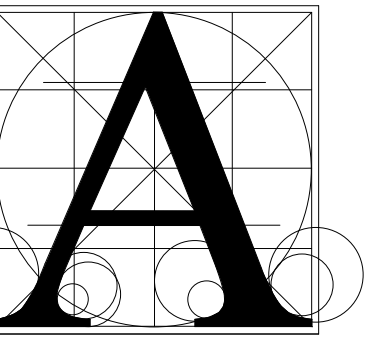
ACEI PROJ. #122018

ST. MARY'S CATHOLIC SCHOOL

FIRST FLOOR PLAN - DEMO - ELECTRICAL

Project	number	0413.2788.1.0
	date	7-31-2022
	revision	
drawn	ADP	checked
		BJS
NO.	DATE	DESCRIPTION
1	6/23/22	ADDENDUM 1

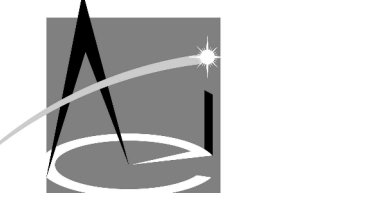
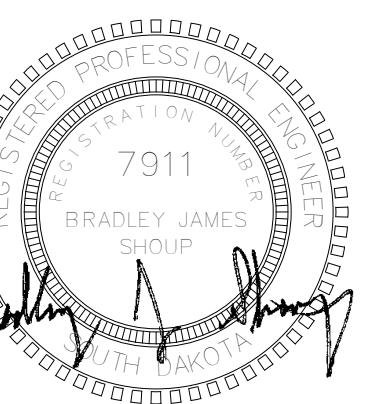
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Project
ST. MARY'S CATHOLIC SCHOOL
about contents
SECOND FLOOR PLAN - DEMO - ELECTRICAL

number	0413.2788.1.0	
date	7-31-2022	
revision		
drawn	ADP	
checked	BJ5	
NO.	DATE	DESCRIPTION
1	6/23/22	ADDENDUM 1

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ELECTRICAL NOTES

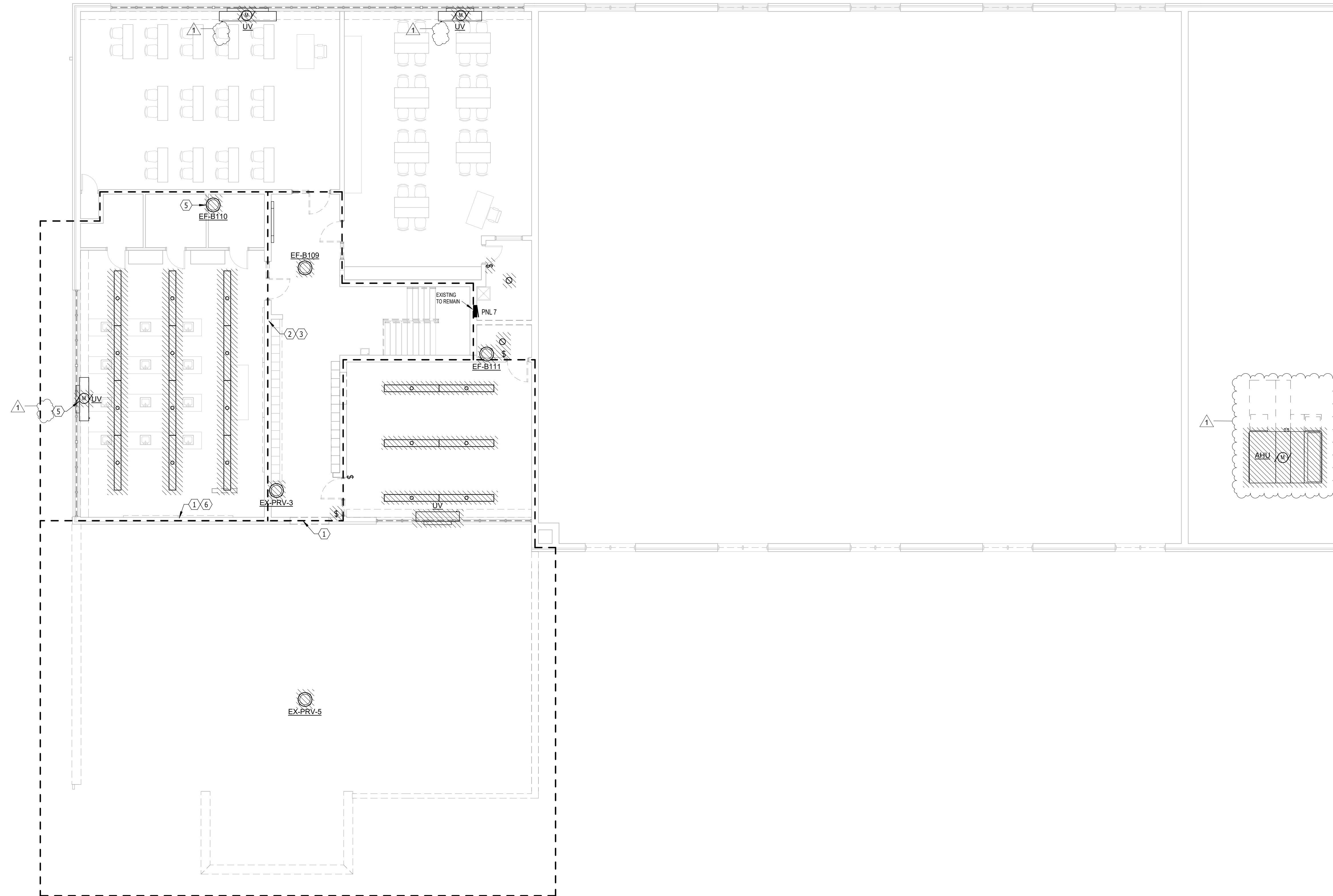
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- 3 WITHIN THIS DASHED AREA, UNLESS NOTED OTHERWISE, REMOVE ALL EXISTING CEILING MOUNTED LUMINAIRES AND ASSOCIATED RACEWAYS, BOXES, AND CONDUCTORS.
- 4 NOT USED.
- 5 WORK TO BE PROVIDED UNDER THE BASE BID.
- 6 WORK WITHIN THIS DASHED AREA SHALL BE PROVIDED UNDER ALTERNATE #5.

GENERAL SHEET NOTES

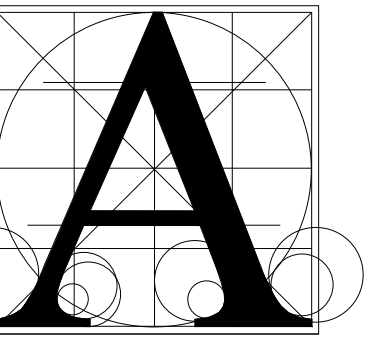
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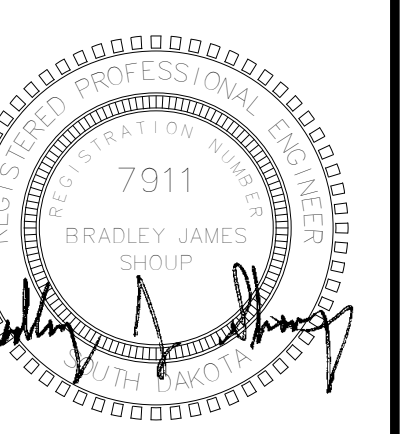
SECOND FLOOR PLAN - DEMO - ELECTRICAL
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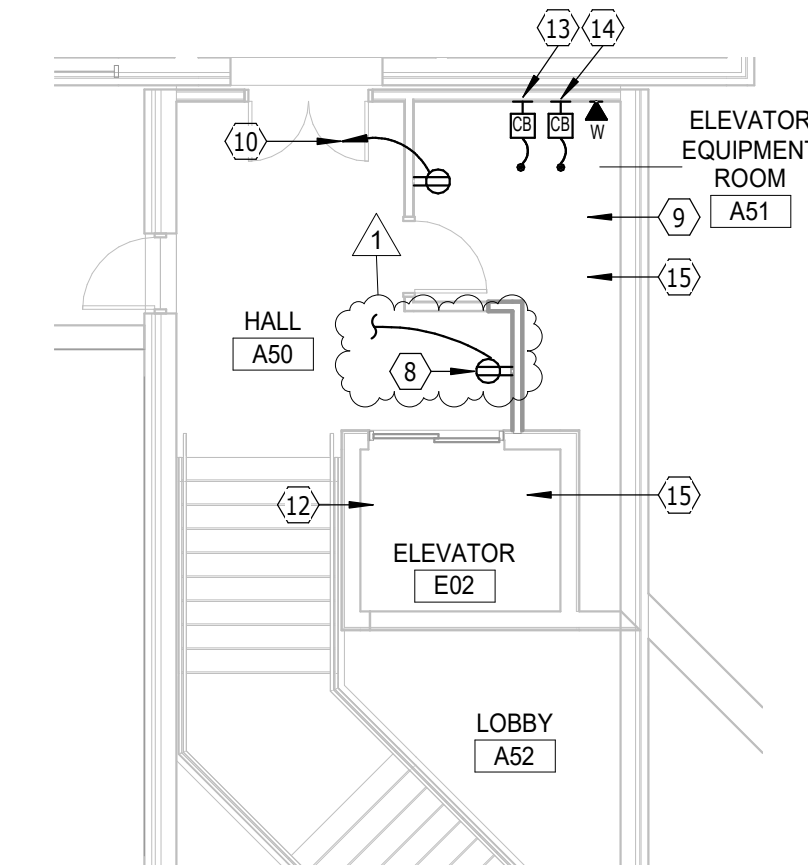
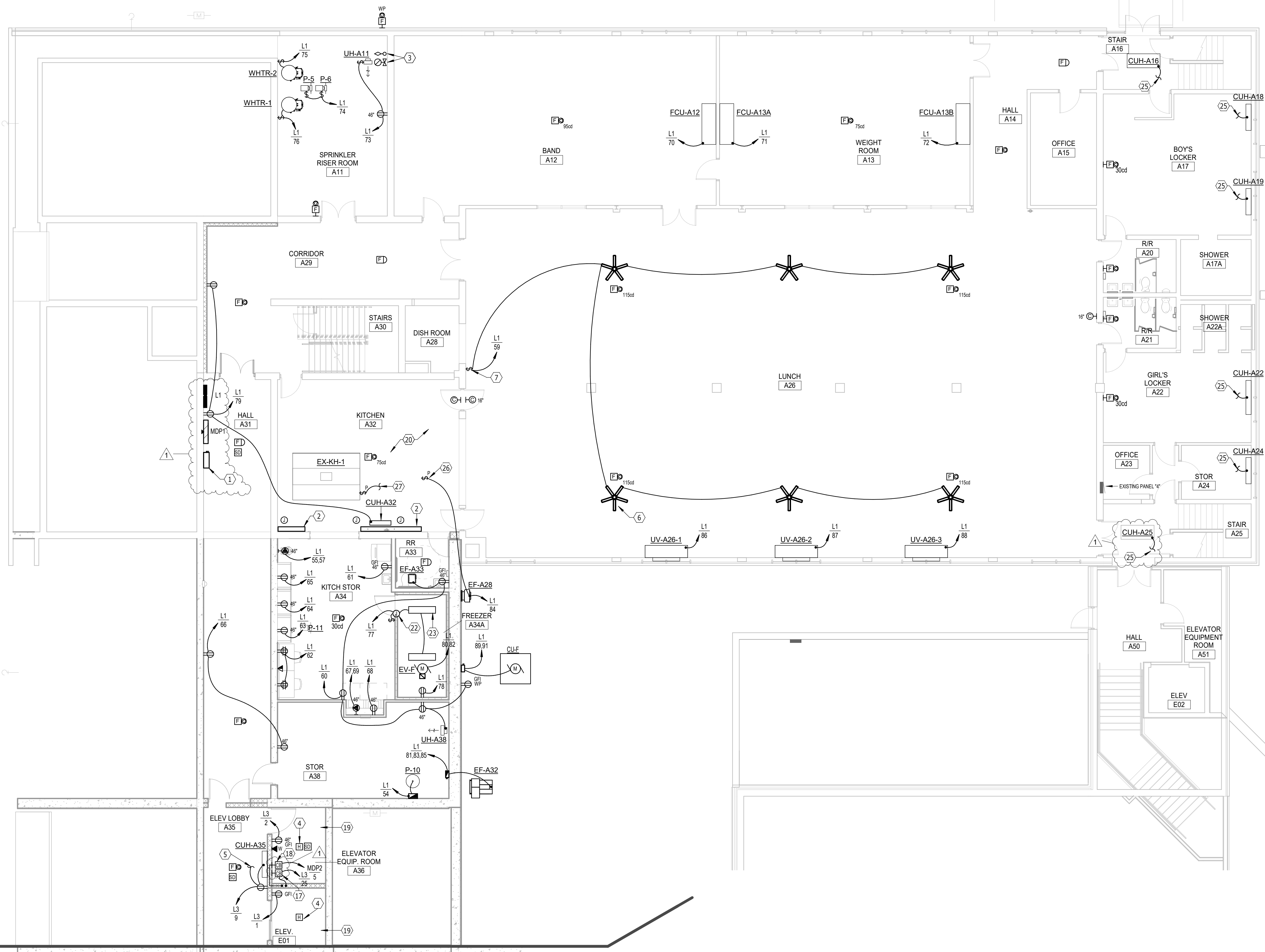
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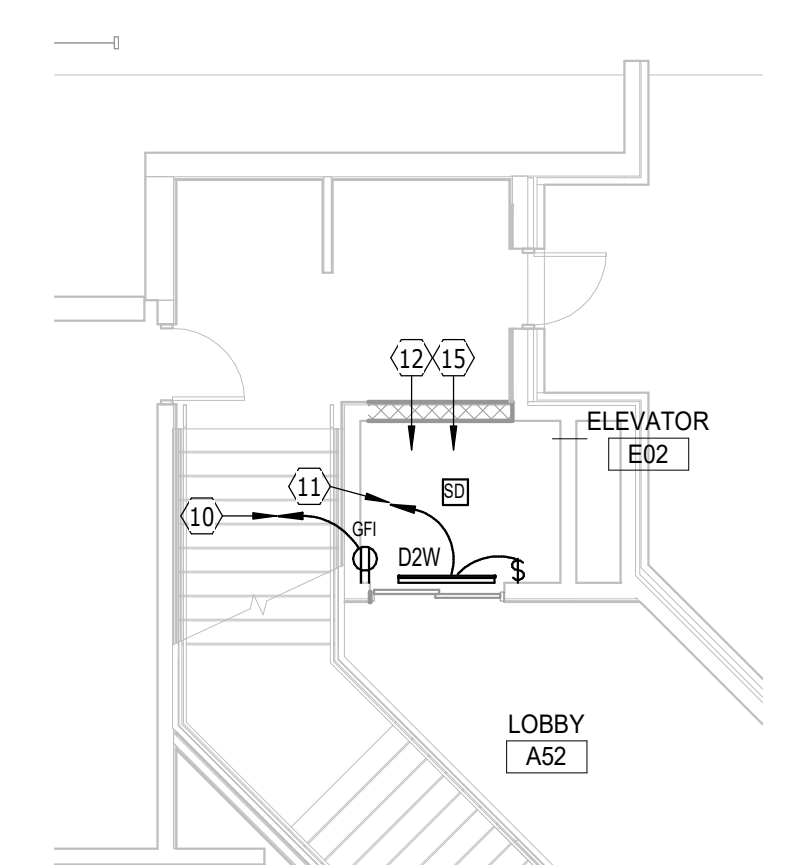


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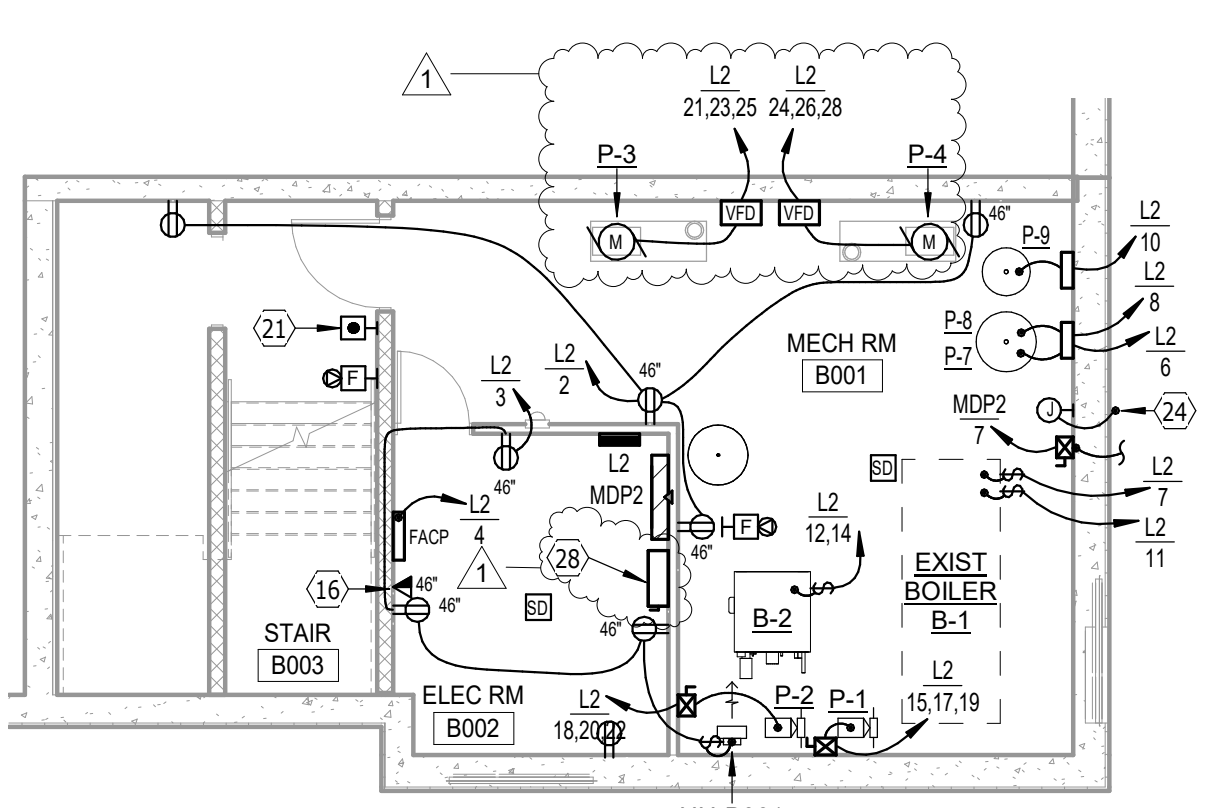
- ELECTRICAL NOTES**
1. MAIN DISCONNECT "MDS-MDP1"
 2. WIRING GUTTER NEAR FLOORS IS REQUIRED FOR RE-FEEDING EXISTING UNDERGROUND FEEDERS AND BRANCH CIRCUITS.
 3. COORDINATE QUANTITY OF FLOW AND TAMPER SWITCHES WITH FIRE PROTECTION CONTRACTOR.
 4. 135 DEGREE HEAT DETECTOR LOCATE WITHIN 24" OF EACH SPRINKLER HEAD. INTERLOCK WITH ELEVATOR EQUIPMENT SHUNT-TRIP CIRCUIT BREAKER.
 5. CONNECT TO LUMINAIRE IN THIS ROOM.
 6. CEILING FAN (HUNTER PRESTO-52), TYPICAL OF 6 EACH.
 7. HUNTER #22394 MULTIPLE FAN SPEED CONTROLLER. VERIFY LOCATION WITH THE OWNER.
 8. EXISTING RELOCATED DEVICE.
 9. EXISTING LIGHTING IN THIS ROOM IS CONNECTED TO CIRCUIT FEEDING LIGHTING IN THE ELEVATOR SHAFT. REMOVE CONNECTION AND FEED FROM A SPARE 20A/1P CIRCUIT BREAKER IN PANEL "L2".
 10. TO A SPARE 20A/1P CIRCUIT BREAKER IN PANEL "L2".
 11. CONNECT TO EXISTING 20A CIRCUIT FROM PANEL "L2".
 12. INTERLOCK ELEVATOR WITH EXISTING FIRE ALARM SYSTEM FOR RECALL PURPOSES.
 13. ELEVATOR CAB POWER 20A/1P LOCKABLE ENCLOSED CIRCUIT BREAKER. CONNECT TO A SPARE 20A/1P CIRCUIT BREAKER IN PANEL "L2" (UTILIZE EXISTING RACEWAY FOR INSTALLATION OF CONDUCTORS).
 14. ELEVATOR EQUIPMENT POWER 150A/3P LOCKABLE ENCLOSED CIRCUIT BREAKER WITH AUX. CONTACT INTERLOCK WITH ELEVATOR LOWERING SYSTEM), CONNECT TO A SPARE 200A/3P CIRCUIT BREAKER IN PARISH HALL MDP (UTILIZE EXISTING 2" CONDUIT FOR INSTALLATION OF CONDUCTORS).
 15. COORDINATE ALL CONNECTION REQUIREMENTS WITH ELEVATOR SUPPLIER.
 16. STUB CONDUIT TO CEILING SPACE IN ROOM B116.
 17. ELEVATOR CAB POWER 120A/1P LOCKABLE ENCLOSED CIRCUIT BREAKER. ELEVATOR EQUIPMENT POWER 200A/3P LOCKABLE ENCLOSED SHUNT TRIP CIRCUIT BREAKER WITH AUXILIARY CONTACT (INTERLOCK WITH ELEVATOR LOWERING SYSTEM).
 18. COORDINATE ALL CONNECTION REQUIREMENTS WITH ELEVATOR SUPPLIER.
 19. RECEPTACLES IN THIS ROOM SHALL BE GFI PROTECTED IN ACCORDANCE WITH NEC AND LOCAL CODE REQUIREMENTS. PROVIDE GFI RECEPTACLE OR GFI CIRCUIT BREAKERS FOR RECEPTACLES THAT ARE NOT READILY ACCESSIBLE OR AVAILABLE WITH GFI PROTECTION.
 20. "BOILER EMERGENCY" OFF MUSHROOM HEAD PUSH-BUTTON SWITCH, PROVIDE INDOOR PROTECTIVE COVER SIMILAR TO S11 19000R. INTERLOCK WITH SHUNT TRIP CIRCUIT BREAKER IN PANEL "L2".
 21. CONNECT DOOR HEAT TAPE, PRESSURE RELIEF PORT, AND FREEZER ALARM SYSTEM.
 22. FREEZER LIGHTS BY FREEZER SUPPLIER, WIRED AND CONNECT BY EC ROUTE CONDUIT ABOVE FREEZER AND SEAL ALL PENETRATIONS THROUGH PRE-FABRICATED PANELS.
 23. PROVIDE HEAT TRACE FOR APPROXIMATELY 60' OF CHILLED WATER PIPING. CONNECT TO EXISTING UNSWITCHED LIGHTING BRANCH CIRCUIT WITH SPARE CAPACITY.
 24. LOCATE AT DISHWASHER AREA.
 25. TO STARTER FOR EF-A32.
 26. MAIN DISCONNECT "MDS-MDP2"



BASEMENT ALT #1 - POWER & SIGNAL
SCALE 0 4 8 12 16

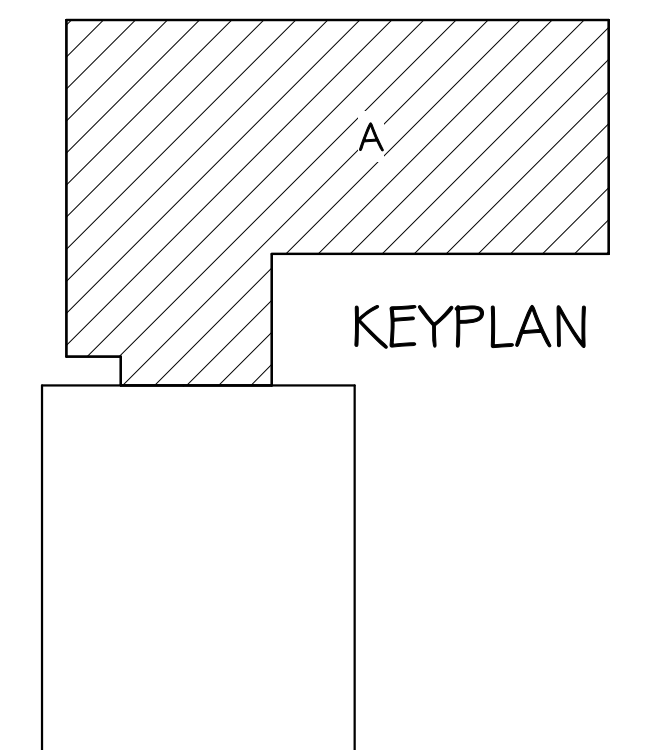


PARISH HALL ALT #1 - POWER & SIGNAL
SCALE 0 4 8 12 16



BASEMENT FLOOR PLAN - AREA B - POWER & SIGNAL
SCALE 0 4 8 12 16

BASEMENT FLOOR PLAN - AREA A - POWER & SIGNAL
SCALE 0 4 8 12 16

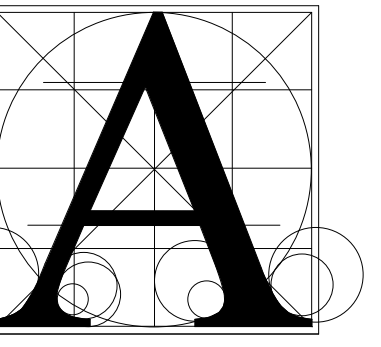


Project
ST. MARY'S CATHOLIC SCHOOL
BASEMENT FLOOR PLAN - AREA A & B - POWER & SIGNAL

number	0413.2785.18	
date	7-31-2022	
revision		
drawn	ADP	
checked	BJ5	
NO.	DATE	DESCRIPTION
1	6/23/22	ADDENDUM 1

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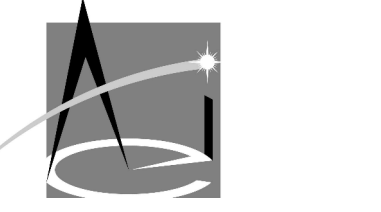
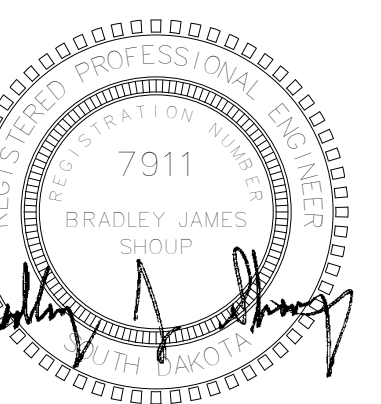
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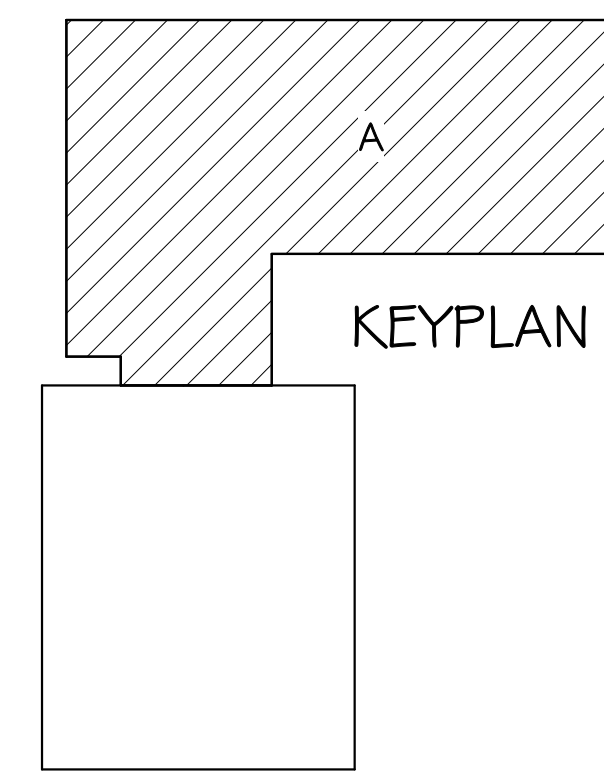
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FIRST FLOOR PLAN - AREA A - LIGHTING
SCALE 0 4 8 12 16

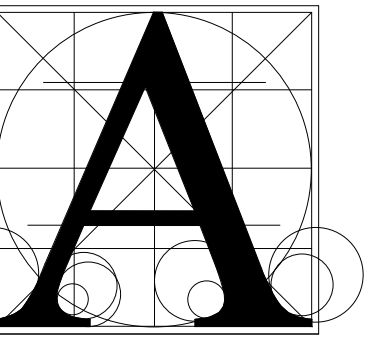


ST. MARY'S CATHOLIC SCHOOL
FIRST FLOOR PLAN - AREA A - LIGHTING

Project	number	0413.2786.16
date	7-31-2022	
revision		
drawn	ADP	checked BJS
NO.	DATE	DESCRIPTION
1	6/23/22	ADDENDUM 1

ELECTRICAL NOTES

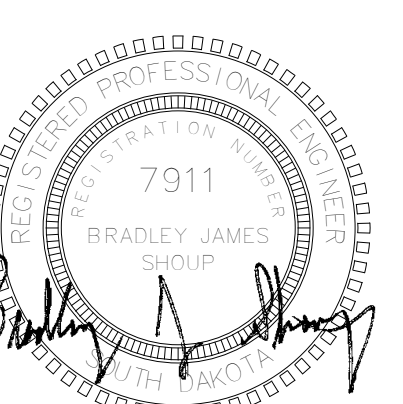
- 1 OWNER PROVIDED COMMUNICATIONS AND DATA-PROCESSING EQUIPMENT LOCATION
- 2 PROVIDE ROUGH-INS ONLY FOR ACCESS CONTROL SYSTEM DEVICES. COORDINATE REQUIREMENTS WITH SECURITY AND DOOR HARDWARE SUPPLIERS.
- 3 FIRE ALARM REMOTE ANNUNCIATOR.



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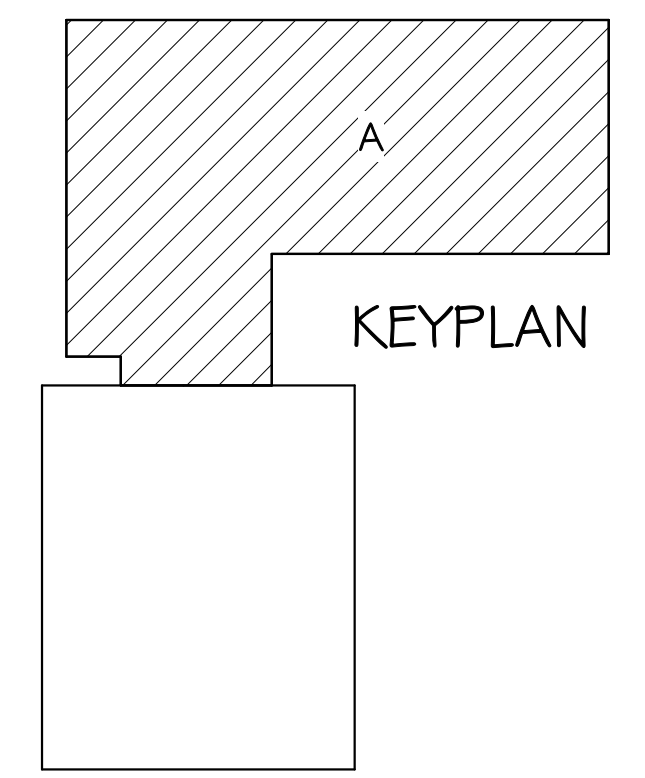


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FIRST FLOOR PLAN - AREA A - POWER & SIGNAL
SCALE: 0 4 8 12 16



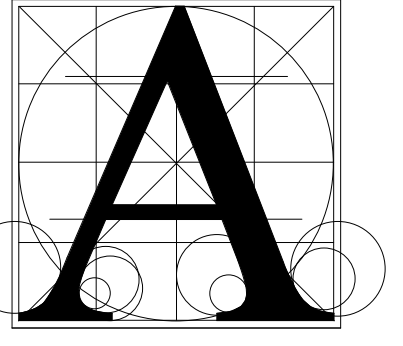
ST. MARY'S CATHOLIC SCHOOL
FIRST FLOOR PLAN - AREA A - POWER & SIGNAL

Project	number	0413.2788.18
date	7-31-2022	
revision		
drawn	ADP	checked BJS
NO.	DATE	DESCRIPTION
1	6/23/22	ADDENDUM 1

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ELECTRICAL NOTES

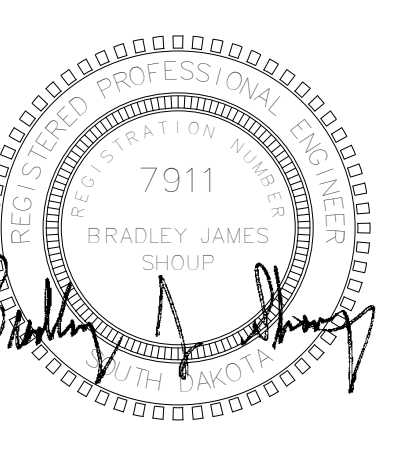
- 1 AV OUTLET SHALL CONSIST OF AV WALL BOX SIMILAR TO HUBBELL HBL985 WITH 2" CONDUIT TO ACCESSIBLE CEILING SPACE IN THIS ROOM, PROVIDE INSULATED BUSHINGS, TYPICAL.
- 2 2" CONDUIT TO IN-GRADE COMMUNICATIONS SPLICE/PULL BOX.
- 3 UP TO ROOM CEILING SPACE IN ROOM B122.
- 4 PROVIDE ROUGHINS ONLY FOR ACCESS CONTROL SYSTEM DEVICES. COORDINATE REQUIREMENTS WITH SECURITY AND DOOR HARDWARE SUPPLIERS.
- 5 TO CT CABINET.
- 6 AV FLOOR BOX, TYPICAL IN CONFERENCE ROOMS.
- 7 PUSHBUTTON SWITCH FOR RELEASE OF DOOR B100-1.
- 8 RECEPTACLES IN THIS ROOM SHALL BE GFI PROTECTED IN ACCORDANCE WITH NEC AND LOCAL CODE REQUIREMENTS. PROVIDE GFI RECEPTACLE OR GFI CIRCUIT BREAKERS FOR RECEPTACLES THAT ARE NOT READILY ACCESSIBLE OR AVAILABLE WITH GFI PROTECTION.
- 9 TO STARTER IN ROOM B001.



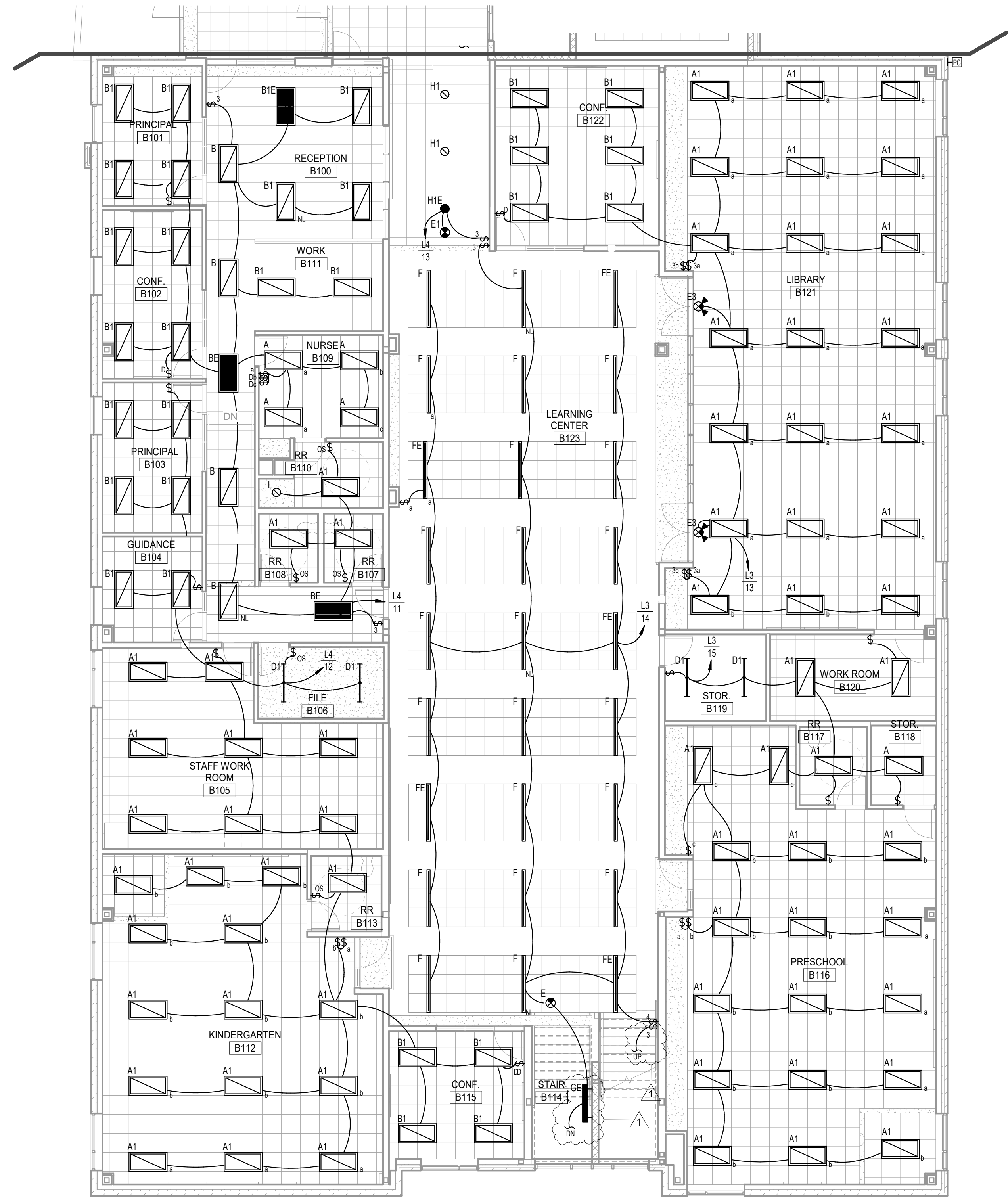
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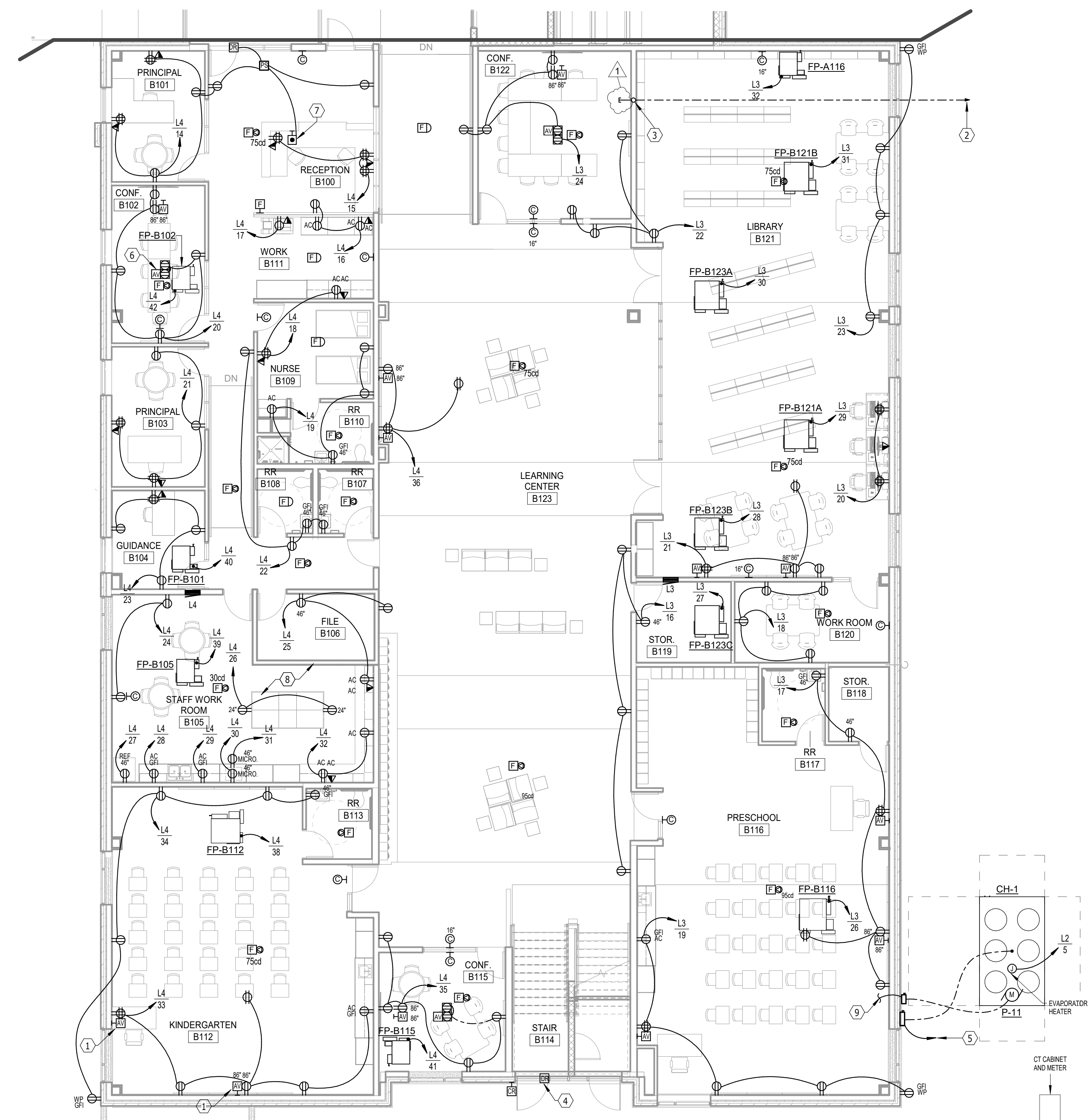
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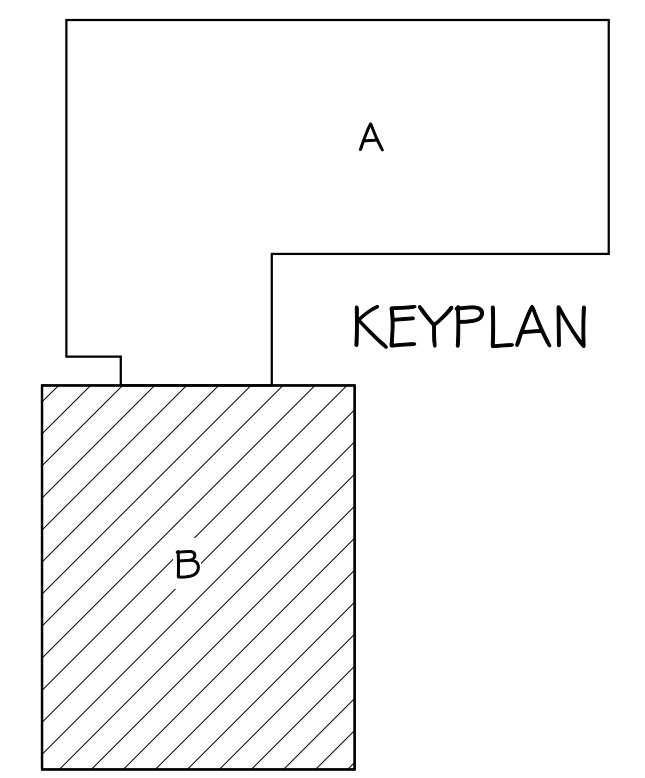
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FIRST FLOOR PLAN - AREA B - LIGHTING
SCALE 0 4 8 12 16



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



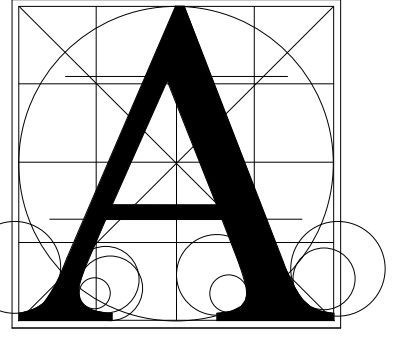
ST. MARY'S CATHOLIC SCHOOL
FIRST FLOOR PLANS - AREA B - ELECTRICAL

Project	number	0413.2788.18
date	7-31-2022	
revision		
drawn	ADP	checked BJS
NO.	DATE	DESCRIPTION
1	6/23/22	ADDENDUM 1

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ELECTRICAL NOTES

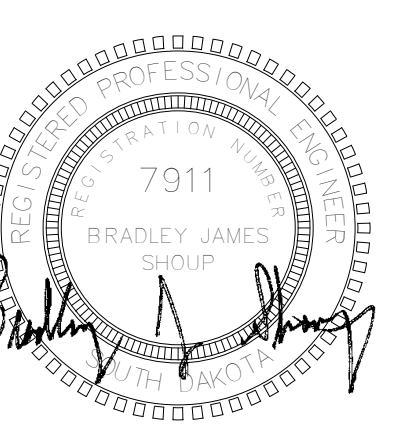
- 1 STI SERIES 33 RATED PATHWAY, PROVIDE EXTENSION MODULES AS REQUIRED.
- 2 COORDINATE LOCATION WITH OWNER.
- 3 HUBBELL RCT201BK COUNTERTOP RECEPTACLE. COORDINATE INSTALLATION WITH GENERAL CONTRACTOR.
- 4 ROUTE WITH MECHANICAL PIPING.
- 5 FIELD VERIFY LOCATION.
- 6 LOCATE IN RETURN AIR DUCT.



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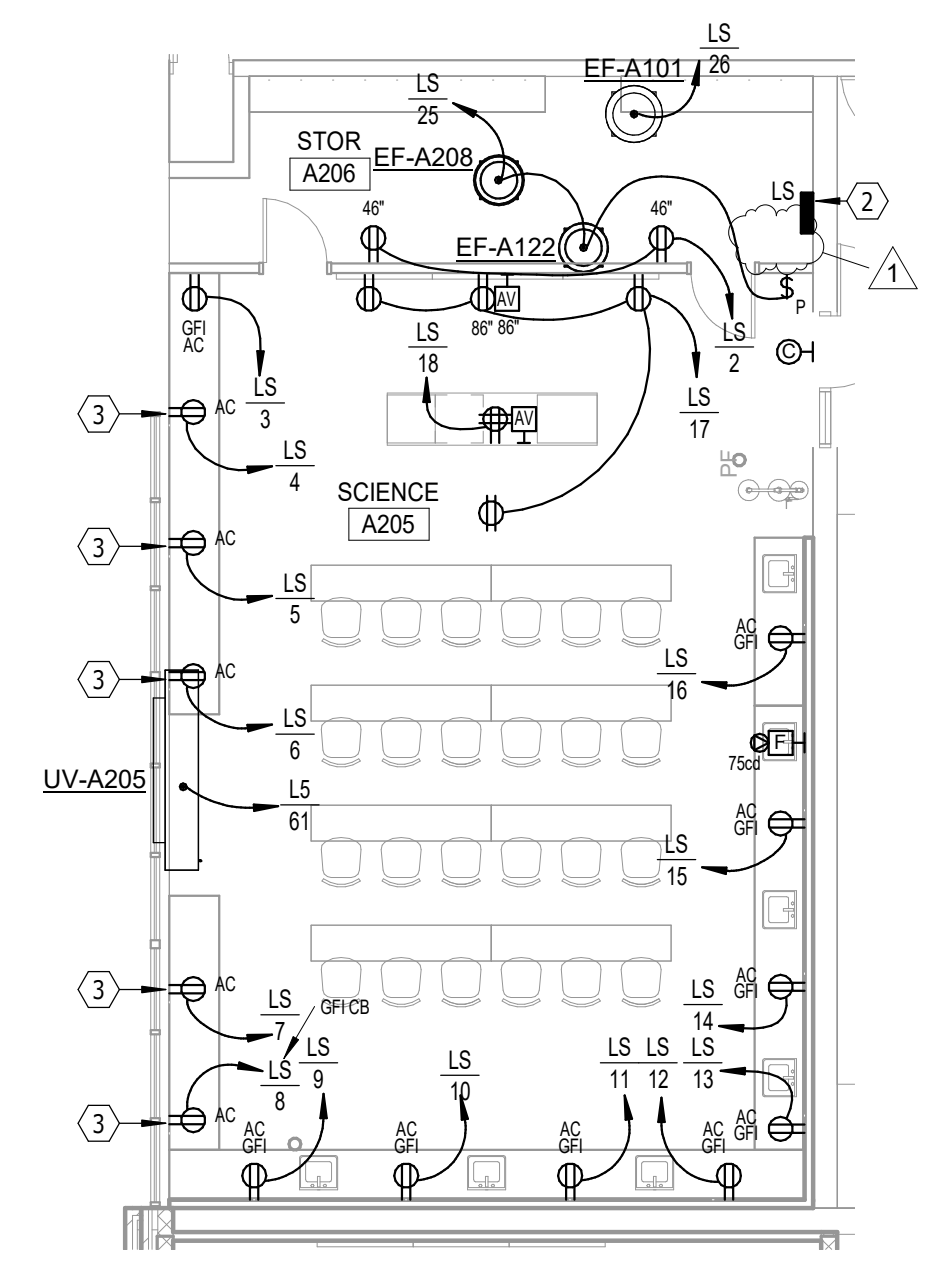
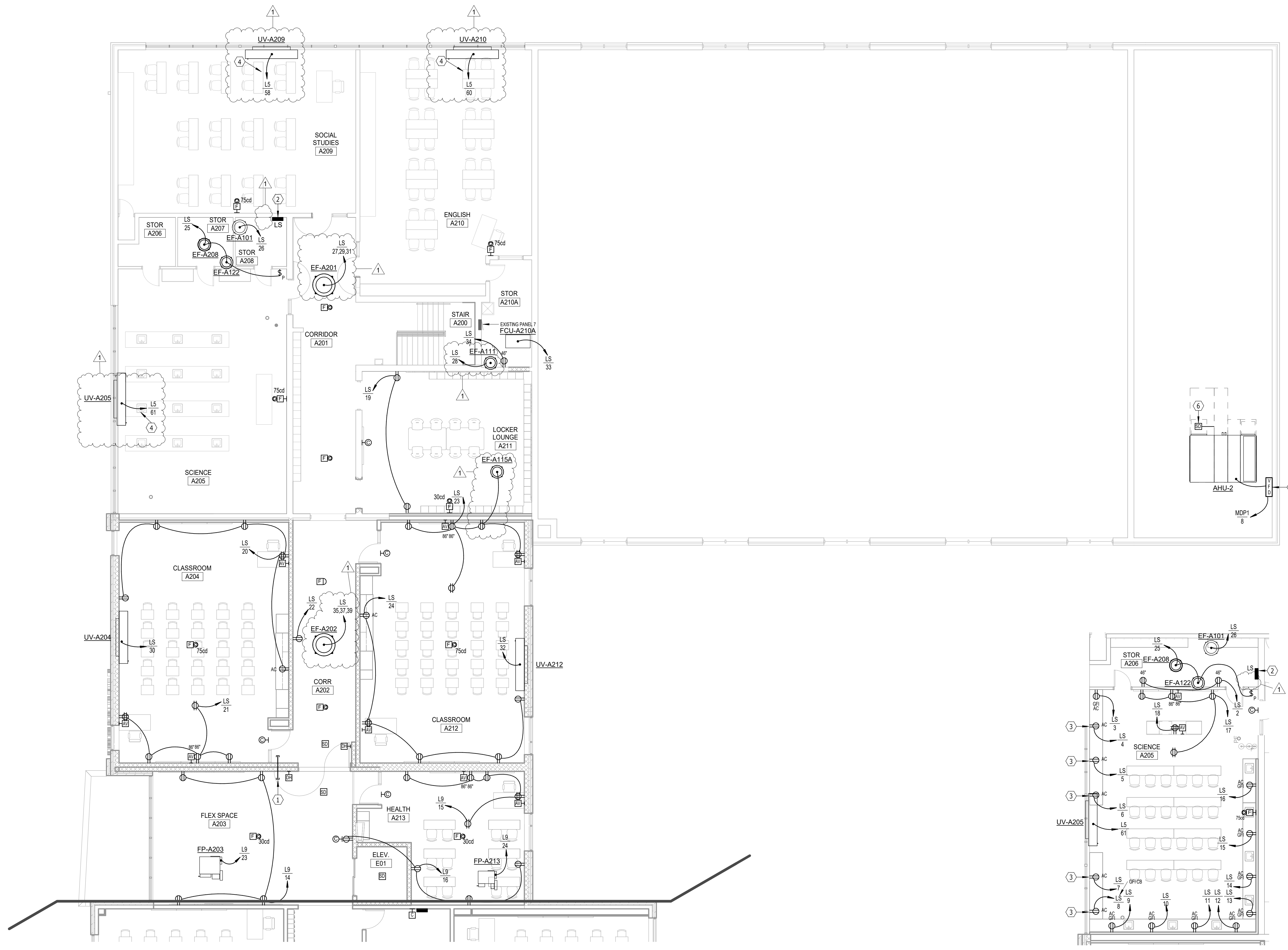
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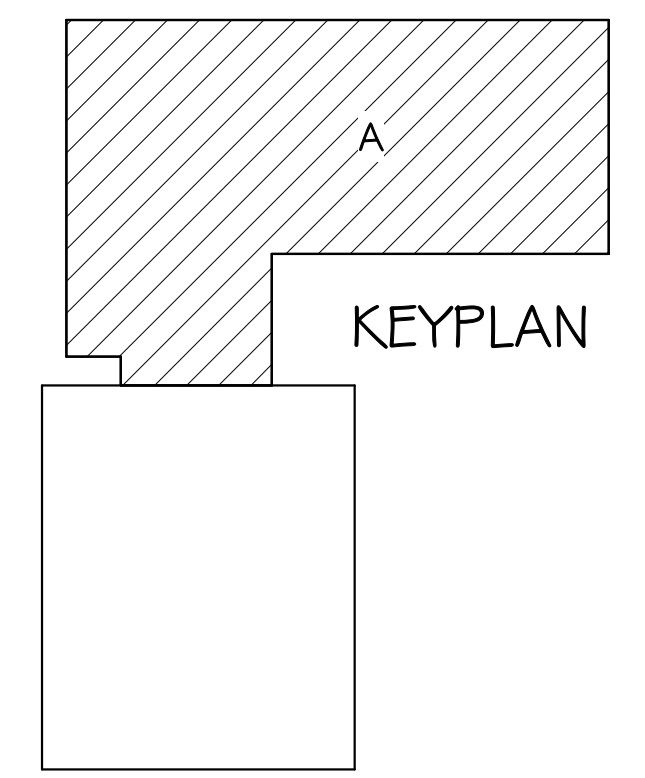
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SECOND FLOOR PLAN - AREA A - POWER & SIGNAL
SCALE 0 4 8 12 16

SECOND FLOOR PLAN - AREA A - ALT. #5 POWER & SIGNAL
SCALE 0 4 8 12 16



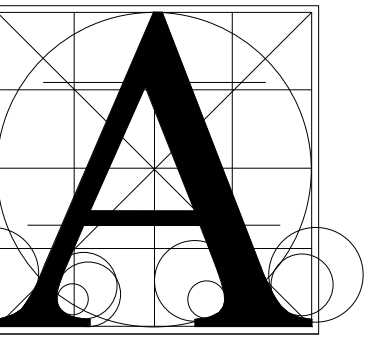
ST. MARY'S CATHOLIC SCHOOL
SECOND FLOOR PLAN - AREA A - POWER & SIGNAL

Project	number	0413.2786.1.6
date	7-31-2022	
revision		
drawn	ADP	checked BJS
NO.	DATE	DESCRIPTION
1	6/23/22	ADDENDUM 1

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ELECTRICAL NOTES

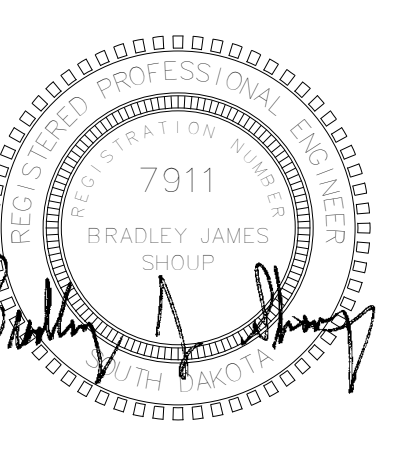
- 1 3 EACH 3" CONDUIT SLEEVES TO ACCESSIBLE CEILING BELOW FOR COMMUNICATIONS CABLING.
- 2 OWNER PROVIDED COMMUNICATIONS AND DATA-PROCESSING EQUIPMENT LOCATION.
- 3 LOCATE SYNCHRONIZED CLOCK SYSTEM TRANSMITTER AT THIS LOCATION.
- 4 PENDANT MOUNT LUMINAIRE.
- 5 NIGHTLIGHT THIS 4" SECTION OF LUMINAIRE.
- 6 TO LIGHTING CONTACTOR "ELC".
- 7 EXTERIOR LIGHTING CONTACTOR "ELC" (3 POLES), PROVIDE HOA VIA CONTACTOR "ELC".
- 8



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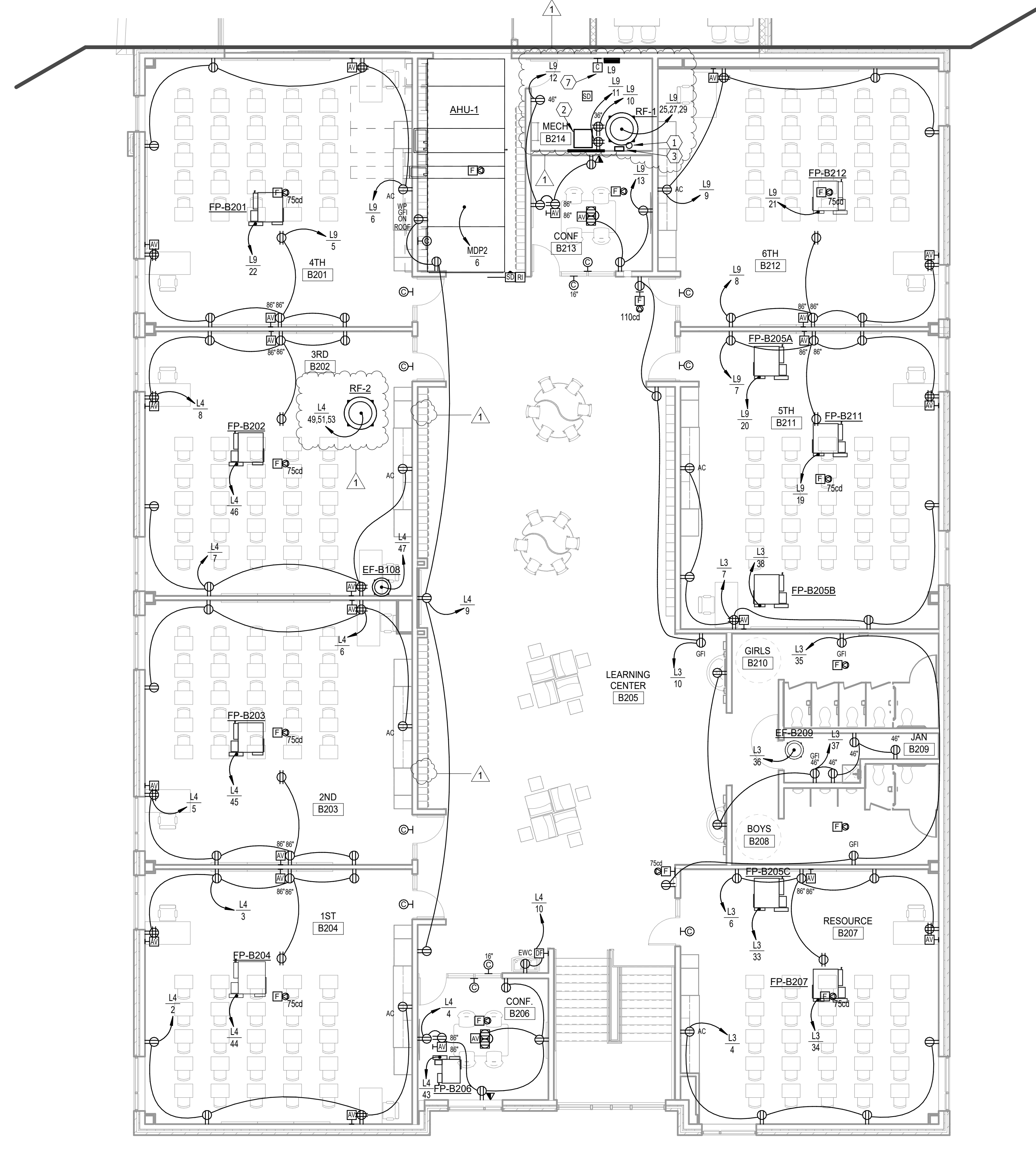
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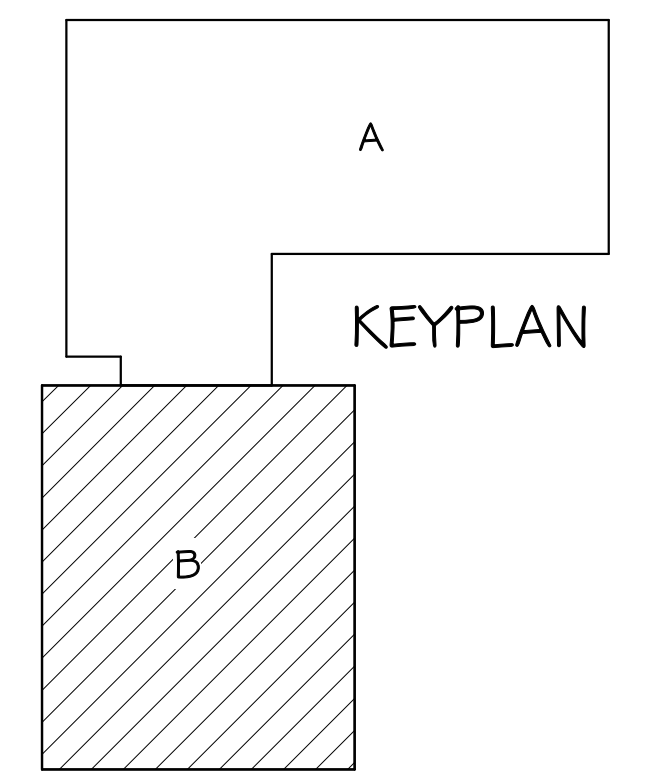
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SECOND FLOOR PLAN - AREA B - LIGHTING
SCALE 0 4 8 12 16



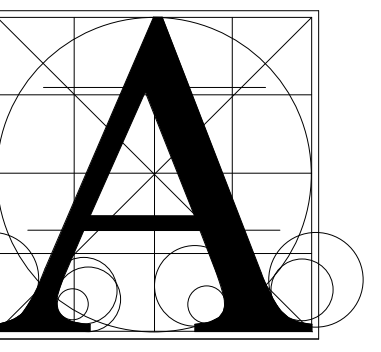
SECOND FLOOR PLAN - AREA B - POWER & SIGNAL
SCALE 0 4 8 12 16



ST. MARY'S CATHOLIC SCHOOL
SECOND FLOOR PLANS - AREA B - ELECTRICAL

Project	number	0413.2788.18
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revision		
drawn	ADP	checked BJS
NO.	DATE	DESCRIPTION
1	6/23/22	ADDENDUM 1

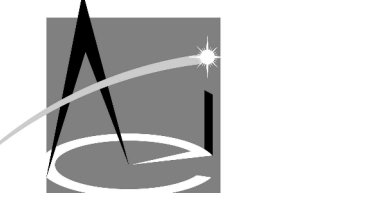
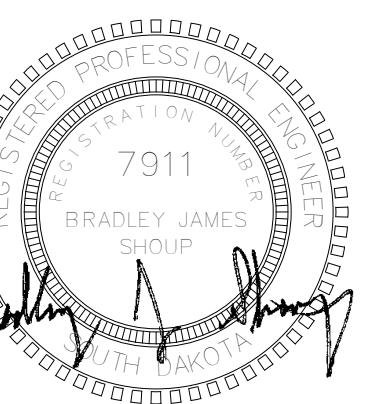
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ST. MARY'S CATHOLIC SCHOOL
ELECTRICAL SCHEDULES

DISTRIBUTION PANEL: MDP1. LOCATION: HALL A31. VOLTAGE: 208Y/120V, 3Ø4W. MAIN DEVICE: 600 A MLO. BUS AMPS: 600 AMPS. Table with columns: CB SIZE, POLES, SPECIAL, DESCRIPTION/NAMEPLATE, NOTES. Includes a LOAD SUMMARY table and a LOAD CLASSIFICATION table.

DISTRIBUTION PANEL: MDP2. LOCATION: ELEC. RM B002. VOLTAGE: 208Y/120V, 3Ø4W. MAIN DEVICE: 600 A MLO. BUS AMPS: 600 AMPS. Table with columns: CB SIZE, POLES, SPECIAL, DESCRIPTION/NAMEPLATE, NOTES. Includes a LOAD SUMMARY table and a LOAD CLASSIFICATION table.

PANELBOARD: L2. LOCATION: SURFACE NEMA 1. VOLTAGE: 208Y/120 V, 3Ø4 W. MAIN DEVICE: 200 A MLO. BUS AMPS: 200 A. Table with columns: LOAD DESCRIPTION, BKR, POLES, CKT, A, B, C, CT, POLES, BKR, LOAD DESCRIPTION. Includes a LOAD CLASSIFICATION table and notes.

PANELBOARD: L5. LOCATION: STOR A114. VOLTAGE: 208Y/120 V, 3Ø4 W. MAIN DEVICE: 200 A MLO. BUS AMPS: 200 A. Table with columns: LOAD DESCRIPTION, BKR, POLES, CKT, A, B, C, CT, POLES, BKR, LOAD DESCRIPTION. Includes a LOAD CLASSIFICATION table and notes.

PANELBOARD: L1. LOCATION: HALL A31. VOLTAGE: 208Y/120 V, 3Ø4 W. MAIN DEVICE: 400 A MLO. BUS AMPS: 400 AMPS. Table with columns: LOAD DESCRIPTION, BKR, POLES, CKT, A, B, C, CT, POLES, BKR, LOAD DESCRIPTION. Includes a LOAD CLASSIFICATION table and notes.

PANELBOARD: L3. LOCATION: Space 11. VOLTAGE: 208Y/120 V, 3Ø4 W. MAIN DEVICE: 200 A MLO. BUS AMPS: 200 AMPS. Table with columns: LOAD DESCRIPTION, BKR, POLES, CKT, A, B, C, CT, POLES, BKR, LOAD DESCRIPTION. Includes a LOAD CLASSIFICATION table and notes.

PANELBOARD: L4. LOCATION: Space 32. VOLTAGE: 208Y/120 V, 3Ø4 W. MAIN DEVICE: 200 A MLO. BUS AMPS: 200 AMPS. Table with columns: LOAD DESCRIPTION, BKR, POLES, CKT, A, B, C, CT, POLES, BKR, LOAD DESCRIPTION. Includes a LOAD CLASSIFICATION table and notes.

PANELBOARD: L8. LOCATION: STOR A208. VOLTAGE: 208Y/120 V, 3Ø4 W. MAIN DEVICE: 200 A MLO. BUS AMPS: 200 A. Table with columns: LOAD DESCRIPTION, BKR, POLES, CKT, A, B, C, CT, POLES, BKR, LOAD DESCRIPTION. Includes a LOAD CLASSIFICATION table and notes.

PANELBOARD: L9. LOCATION: MECH B214. VOLTAGE: 208Y/120 V, 3Ø4 W. MAIN DEVICE: 100 A MLO. BUS AMPS: 100 AMPS. Table with columns: LOAD DESCRIPTION, BKR, POLES, CKT, A, B, C, CT, POLES, BKR, LOAD DESCRIPTION. Includes a LOAD CLASSIFICATION table and notes.

PANELBOARD: L10. LOCATION: MECH B214. VOLTAGE: 208Y/120 V, 3Ø4 W. MAIN DEVICE: 100 A MLO. BUS AMPS: 100 AMPS. Table with columns: LOAD DESCRIPTION, BKR, POLES, CKT, A, B, C, CT, POLES, BKR, LOAD DESCRIPTION. Includes a LOAD CLASSIFICATION table and notes.

PANELBOARD: L11. LOCATION: MECH B214. VOLTAGE: 208Y/120 V, 3Ø4 W. MAIN DEVICE: 100 A MLO. BUS AMPS: 100 AMPS. Table with columns: LOAD DESCRIPTION, BKR, POLES, CKT, A, B, C, CT, POLES, BKR, LOAD DESCRIPTION. Includes a LOAD CLASSIFICATION table and notes.

PANELBOARD: L12. LOCATION: MECH B214. VOLTAGE: 208Y/120 V, 3Ø4 W. MAIN DEVICE: 100 A MLO. BUS AMPS: 100 AMPS. Table with columns: LOAD DESCRIPTION, BKR, POLES, CKT, A, B, C, CT, POLES, BKR, LOAD DESCRIPTION. Includes a LOAD CLASSIFICATION table and notes.

number 0413.2785.18
date 7-31-2022
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