

**POST BID ADDENDUM NO. 03
LEGRANDE ELEMENTARY SCHOOL ADDITION AND RENOVATION
SCB PROJECT NO. 2210**

TO: All Plan Holders

FROM: Sherman Carter Barnhart Architects
144 Turner Commons Drive, Suite 110
Lexington, Kentucky 40508

DATE: September 11, 2023

The purpose of this Addendum is to clarify further the requirements of the plans and specifications. The bidders are governed by the information in this Addendum as if included in the plans and specifications. This Addendum does hereby become a part of the Contract Documents. Provisions of addenda 01 & 02 remain in effect unless directed otherwise in Post Bid Addendum No.003.

This Addendum consists of 50 pages / drawings.

PREVIOUSLY SUBMITTING CONTRACTORS MAY SUBMIT VALUE ENGINEERING

PRICING: Responses will be thereafter publicly opened and read aloud. Except where expressly altered or omitted by this addendum, all requirements contained in the Bid Documents and previous addenda remain in force.

1. **Bid Date:** September 22, 2023
2. **Bid Time:** 2:00 pm (local time)
3. **Locations:** Hart County Board of Education

VOLUNTARY DEDUCT:

- A. The Contractor may include a Voluntary Deduct :
1. Deduct: \$_____.

DRAWINGS:

A. SITE / CIVIL:

1. **Reduce** length of platform adjacent to cafeteria and reorient steps at platform to be parallel to length of cafeteria (not perpendicular) and reduce the LF of platform and stairs railing accordingly. See attached drawing SD1.0.
Deduct: \$_____.
2. **Omit** heavy duty asphalt paving and replace with 1,925 SF of #3 gravel and 720 SF Concrete Paving.
Deduct: \$_____. See attached drawing SD1.0.
3. **Revise** apron in-front of dumpster enclosure to be concrete paving (not heavy-duty asphalt pavement). See attached drawing SD1.0.
Deduct : \$_____.

B. KITCHEN:

1. **Revise** Food Service Equipment items 20, 21, 25 & 26 per attached. Also, all Food Service Equipment is NIC / will be provided by third party acquired by the Owner. Contactor to aid in scheduling and coordinating with their work, pick-up from in-

county storage facility, deliver, unpack and install all Food Service Equipment. See attached drawings .
Deduct: \$_____.

C. CAFETERIA:

1. **Omit** 1-pair of exterior doors / frame / hardware (opening E164b) and the associated canopy. See attached drawings.
Deduct: \$_____.
2. **Reduce** quantity and dimensions of storefront / window openings (storefronts "B" & "4"). See attached drawings.
Deduct: \$_____.
3. **Revise** flooring in cafeteria to be VCT (not terrazzo) and base to be vinyl (not terrazzo). See attached drawings.
Deduct: \$_____.
4. **Omit** male / female / staff toilets and 2-associated chases . Relocate / reduce length of leader piping and relocate drinking fountains. See attached drawings.
Deduct: \$_____.
5. **Omit** all metal framed and gypsum board soffits / bulkheads and associated priming / painting. Provide suspended acoustical ceiling system throughout. See attached drawings.
Deduct: \$_____.
6. **Omit** porcelain wall tile at walls in Restroom 169 except at plumbing wall. See attached drawings. Paint CMU.
Deduct: \$_____.

D. RESTROOMS 115 AND 116:

1. **Omit** all renovations. Retain as-is. **Revise** existing window openings to be infilled with 3-5/8" metal framing at 16" o.c. with 5/8" mold and moisture resistant gypsum board with j-trim at perimeter (not toothed-in CMU) . See attached drawings.
Deduct: \$_____.

E. CLASSROOMS 111, 112 and 114:

1. **Revise** window infills to be 3-5/8" metal studs at 16"o.c. with 5/8" gypsum board with j-trim at perimeter (not CMU). Prime and paint. See attached drawings.
Deduct: \$_____.
2. **Reduce** the extent of salvage for existing stone sills at exterior windows to be infilled (keynote 14 / D1.0). Salvage and install existing stone sills only as needed for new storefront openings in Guidance 156. See attached drawings.
Deduct: \$_____.

F. CLASSROOMS 162 and 163:

1. **Revise** 8" metal studs at classrooms 162 & 163 to be 6" metal studs and reduce batt insulation within framing cavity correspondingly. See attached drawings.
Deduct: \$_____.

2. **Omit** metal framing / gypsum board on north wall of classroom 163. Infill existing window openings with 8" CMU (not toothed-in). Revise painting for CMU wall. See attached drawings.
Deduct: \$_____.
3. **Omit** metal framing / gypsum board on north wall of classroom 162. Infill existing window openings with 6" CMU on both sides of M.O. (for flush alignment with existing CMU (not toothed-in). Revise painting for CMU wall. See attached drawings.
Deduct: \$_____.
4. **Relocate** opening 162 to SE corner of metal framed and gypsum board north wall, not new masonry opening in existing CMU and thus without need of shoring and bracing. Revise HM door frame to wrap-around to fit metal framed and gypsum board wall. See attached drawings.
Deduct: \$_____.
5. **Revise** masonry infill of existing exterior window between Classrooms 162 & 163 not to be toothed-in. See attached drawings.
Deduct: \$_____.
6. **Revise** masonry infill of existing exterior door at classroom 163 not to be toothed-in. See attached drawings.
Deduct: \$_____.
7. **Omit** all cubbies / wardrobes / wall cases. Retain base cabinets and associated plumbing. Relocate base cabinets and associated plumbing for back-to-back installation. See attached drawings.
Deduct: \$_____.
8. **Omit** all pressure cleaning and water repellent at all existing and new face brick at exterior of rooms 156, 159, 160, 162 & 163. See attached drawings.
Deduct: \$_____.

G. GUIDANCE / FIRST AID / SRO SUITE:

1. **Omit** metal framing / gypsum board on south wall of First Aid 159 & SRO 178. Provide j-trim where perpendicular metal framed / gypsum board walls intersect CMU. Revise painting for CMU walls. See attached drawings.
Deduct: \$_____.
2. **Omit** metal framing / gypsum board on west wall of First Aid 159 & Restroom 160. Provide j-trim where perpendicular metal framed / gypsum board walls intersect CMU. See attached drawings.
Deduct: \$_____.
3. **Omit** window type "A" at NW corner of Guidance 156 and thus without need of new masonry opening and shoring / bracing in existing exterior wall. See attached drawings.
Deduct: \$_____.
4. **Revise** location of window type "A" in First Aid 159 approximately 12" northward (jamb of new window to utilize jamb of existing window opening). Masonry at infill not to be toothed-in. See attached drawings.
Deduct: \$_____.

5. **Revise** dimensions and manufacturer's model number of wall cabinets on Detail 9 / A1.2. Also, provide locks and keys for all casework in First Aid 159. See attached drawings.
Add or Deduct (GC to identify): \$_____.
6. **Omit** porcelain wall tile at walls in Restroom 160 except at plumbing wall. Paint CMU. See attached drawings.
Deduct: \$_____.

H. ADMINISTRATION:

1. **Omit** all renovations including door hardware at building entry doors / vestibule doors and opening 102b. Retain as-is. See attached drawings.
Deduct: \$_____.

I. ROOFING:

1. **Omit** Coated Foamed Roofing, rigid roofing insulation, recovery board, roof drains (leader connections by GC), associated steel angles, associated wood blocking, associated plywood sheathing, fixed roof access ladders, sheet metal flashing / fascia / drip edges, closure trim / copings / downspouts and roof walkway pads (and all necessary fasteners and sealants for all of the above) to be NIC / will be provided by third party acquired by the Owner. Contractor to aid in scheduling and coordinating with their work. See attached drawings.
Deduct: \$_____.

PROJECT MANUAL:

A. Volumes 1 and 2:

1. 012100 – Allowances. **Revise** Allowance No. 1 to identify an allowance to remove and dispose off-site an additional 75 cy of unsuitable soil, which may be encountered below plan bottom depth (not 150 cy). The allowance price shall include replacement with 75 cy (not 150 cy) of DGA placed and compacted in accordance with the project geotechnical report and on-site testing agency recommendations (not 150 cy).
Deduct: \$_____.
2. 012100 – Allowances. **Revise** Allowance No. 2 to identify face brick allowance of \$740.00 per thousand (not \$1,000).
Deduct: \$_____.
3. 012300 – Alternates. **Revise** Schedule of Alternates to include:
 6. Alternate No. 06: Provide Owner -preferred ADVIDIA CCTV camera equipment.
Add or Deduct (GC to identify): \$_____.
 7. Alternate no.07: Provide Owner-preferred Telecor speakers and intercom components.
Add or Deduct (GC to identify): \$_____.
 8. Alternate no. 08: Provide Owner-preferred Monitorcast access control components.
Add or Deduct (GC to identify): \$_____.

4. 075700 – Coated Foamed Roofing. **Omit** sprayed foam insulating roofing system work as indicated on the drawings and requirements of Section 075700. Coated Foamed Roofing is NIC / to be provided by third party acquired by the Owner. Contactor to aid in scheduling and coordinating with their work. See item I-1 of this addendum.
5. 096518 – Luxury Vinyl Tile. **Delete** entirely. Where luxury vinyl tile was identified previously, provide Resilient Tile Flooring (Solid Vinyl Floor Tile).
Deduct: \$_____.
6. 096623 – Resinous Matrix Terrazzo Flooring. **Delete** entirely. Include credit in item C-3.
7. 101416 – Plaques. **Delete** entirely.
Deduct: \$_____.
8. 101419 – Dimensional Letter Signage. **Delete** entirely.
Deduct: \$_____.
9. 101423 = Panel Signage. **Delete** entirely.
Deduct: \$_____.
10. 114000 – Food Service Equipment: **Omit** Food Service Equipment as indicated in the drawings and requirements of Section 114000. Food Service Equipment is NIC / will be provided by third party acquired by the Owner. Contactor to aid in scheduling and coordinating with their work, pick-up from in-county storage facility, deliver, unpack and install all Food Service Equipment. See item B-1 of this Addendum.

MECHANICAL / ELECTRICAL / PLUMBING:

Refer to attachments from CMTA Engineers.

End of Addendum

ITEM 20 - COMBI OVEN, GAS (2 REQ'D)

RATIONAL

Model ICP 10-FULL NG 208/240V 1 PH (LM100EG)

iCombi Pro® 10-Full Size Combi Oven, natural gas, (10) 18" x 26" sheet pan or (20) 12" x 20" steam pan or (10) 2/1 GN pan capacity, (5) stainless steel grids included, intelligent cooking system with (4) assistants; iDensityControl, iCookingSuite, iProductionManager, & iCareSystem, (6) operating modes, (5) cooking methods, (3) manual operating modes, 85° to 572°F temperature range, quick clean, care control, eco mode, 6-point core temperature probe, retractable hand shower, Ethernet interface, Wi-Fi enabled, 152,000 BTU, 208/240v/60/1-ph, 6 ft. cord, 1.5 kW, CE, IPX5, cCSAus, NSF, ENERGY STAR-®

- 2 ea. 2 years parts and labor, 5 years steam generator warranty
- 2 ea. Model CAP Chef Assistance Program, a RATIONAL certified Chef conducts 4 hours/location specialized application training with personnel
- 2 ea. Model 9999.2110 Commissioning -one (1) gas iCombi
- 2 ea. Model 8720.1561US Installation Ki
- 2 ea. Model 1900.1154US Water Filtration Single Cartridge System
- 2 ea. Model 56.01.535 Active Green Cleaner Tabs
- 2 ea. Model 56.00.562 Care Tabs, bucket of 150 packets
- 2 ea. Model 60.31.090 Stand I Stationary Oven Stand, 27-1/2"H, all sides open, stainless steel construction, for iCombi 6- and 10-full size Classic/Pro
- 10 ea. Model 6010.2101 Gastronorm Grid Shelf, 2/1 size, 25-5/8" x 20-7/8", stainless steel
- 10 ea. Model 6019.1150 CombiFry Basket, 1/1 GN, 12-3/4" x 20-7/8"

CONVOTHERM and ALTO SHAM will be accepted as equal manufacturers provided the product conforms to the dimensions, construction, design, capacity and function of the basis of design.

ITEM 25 - CONVECTION OVEN, GAS (1 REQ'D)

Vulcan

Model VC55GD

Convection Oven, gas, double-deck, standard depth, solid state controls, electronic spark ignition, 5-hour timer with digital display enhancement, 150° to 500°F temperature range, (5) oven racks per deck, independently operated removable doors with windows, porcelain on steel interior, interior light, stainless steel front, top, & sides, painted 8"H legs, (2) 1/2 HP blower motors, (2) 50,000 BTU, NSF, CSA Star, CSA Flame, ENERGY STAR®

- 1 ea. 2-year limited parts & labor warranty, standard
- 1 ea. Natural gas
- 1 ea. (2) 120v/60/1-ph, 15.4 amps total, (2) cords with plugs
- 1 ea. Gas manifold piping included with stacking kit to provide single point gas connection.
- 1 kt T&S Brass Model HG-4D-48K Safe-T-Link Gas Connector Kit

GARLAND and SOUTHBEND will be accepted as equal manufacturers provided the product conforms to the dimensions, construction, design, capacity, and function of the basis of design.

ITEM 26 - KETTLE, GAS, COUNTERTOP (1 REQ'D)

Cleveland Range

Model KGT12T

Tilting Kettle, gas, countertop, 12-gallon (45L) capacity, 2/3 steam jacket design, self-contained, lever style tilting, anti-drip pour spout, IPX6 water protection controls, self-locking marine style safety latch, reinforced rolled rim, support console on right, stainless steel construction with 316 series stainless steel liner, 50 PSI rated, 53,000 BTU

- 1 ea. 2-year parts & labor warranty, standard
- 1 ea. 10-Year Hemispheric Bottom Warranty (K-12 Schools only)
- 1 ea. Performance start-up
- 1 ea. Natural Gas

- 1 ea. 115v/60/1-ph, 5.0 amps, electronic ignition, cord & plug for controls, standard
- 1 ea. Standard Controls, temperature control/main power ON/OFF dial with 1-10 settings, LED indicators for heat-ON, low water, ignition failure, standard
- 1 ea. Model MS12 Measuring Strip, 12 gallons.
- 1 ea. Model CL12 Lift-Off Cover, 12 gallon, per each kettle
- 1 ea. Model LCHG-12 Kettle Lift-Off Cover Holder, for 12 gallon gas kettles, per each kettle
- 1 ea. Model DPK28 Double Pantry Faucet And Bracket Kit (KET20T, KEL40T, KEL60T, KEL80T, KEL100T, KGT6T, KGT12T)
- 1 ea. Model ST28 Equipment Stand
- 1 ea. Model SG28 Retractable Splash Guard/Pan Shelf, for drain drawer, for ST28
- 1 kt T&S Brass Model HG-4D-48K Safe-T-Link Gas Connector Kit

GROEN and SOUTHBEND will be accepted as equal manufacturers provided the product conforms to the dimensions, construction, design, capacity, and function of the basis of design.

ITEM 27 - SPARE NO.

Hart County Schools
LeGrande Elementary School Addition and Renovation
CMTA Engineers
Post-Bid Addendum #3
September 11, 2023



LeGrande Elementary School Addition and Renovation

For

Hart County Schools

Horse Cave, Kentucky

POST-BID ADDENDUM #3
September 11, 2023

CMTA, INC.
Consulting Engineers
10411 Meeting Street
Prospect, Kentucky 40059
Telephone: (502) 326-3085
Fax: (502) 326-2691

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MEP Engineering | Performance Contracting | Net Zero Engineering | Technology | Commissioning



The following information supersedes or is in addition to information released in the 100% Construction Documents package dated June 12, 2023.

Fire Protection Items:

1. Sheet FP-1.1 - FIRST FLOOR PLAN -FIRE PROTECTION
 - a. Removed Fire Protection re-work of the admin Area.
Add or Deduct: \$_____.
 - b. Clarified fire protection entrance and connection point to existing fire riser.
Add or Deduct: \$_____.

Plumbing Items:

1. Sheet P0.1 – PLUMBING LEGEND AND DETAILS
 - a. Added domestic water and fire protection vault detail.
Add or Deduct: \$_____.
2. Sheet P1.1 – BELOW SLAB PLAN - PLUMBING DEMOLITION
 - a. Omitted restroom 115/116 plumbing demolition.
Add or Deduct: \$_____.
3. Sheet P1.2 – FIRST FLOOR PLAN - PLUMBING DEMOLITION
 - a. Omitted restroom 115/116 plumbing demolition.
Add or Deduct: \$_____.
4. Sheet P2.1 – BELOW-SLAB FLOOR PLAN - PLUMBING
 - a. Omitted restroom 115/116 plumbing new work.
Add or Deduct: \$_____.
 - b. Re-routed grease and solids interceptors to plan east to eliminate multiple man holes.
Add or Deduct: \$_____.
 - c. Added back to back sanitary for new sink location.
Add or Deduct: \$_____.
5. Sheet P2.2 – FIRST FLOOR PLAN – PLUMBING
 - a. Omitted restroom 115/116 plumbing new work.
Add or Deduct: \$_____.
 - b. Added Natural gas line for water heaters, refer to water heater detail on sheet P1.0.
Add or Deduct: \$_____.
 - c. Added back-to-back sanitary for new sink location.
Add or Deduct: \$_____.



6. Sheet P3.1 – ENLARGED MECHANICAL ROOM PLAN – PLUMBING
 - a. Added existing domestic water scope and back flow preventer.
Add or Deduct: \$_____.
 - b. Added new 3" domestic water line out to site.
Add or Deduct: \$_____.
 - c. Added back-to-back domestic water for new sink location.
Add or Deduct: \$_____.

7. Sheet P3.2 – SITE UTILITY PLAN – PLUMBING DEMOLITION
 - a. Added new sheet for site demolition.
Add or Deduct: \$_____.

8. Sheet P4.1 – SITE UTILITY PLAN – PLUMBING
 - a. Reworked all site utility lines.
Add or Deduct: \$_____.

9. Sheet P5.1 – WASTE AND VENT RISER DIAGRAM
 - a. Riser to change to reflect grease trap changes.
Add or Deduct: \$_____.

Mechanical Items:

1. Sheet M1.1 – Mechanical Zoning Plan
 - a. Revised Keynote in existing admin area to remove from scope of work.
Add or Deduct: \$_____.

2. Sheet M2.1 – First Floor Plan – Mechanical Demolition
 - a. Removed demolition scope in existing admin area.
Add or Deduct: \$_____.

3. Sheet M3.1 – First Floor Plan – Mechanical New Work
 - a. Revised ventilation calculations for adjusted scope of work.
Add or Deduct: \$_____.
 - b. Removed exhaust system for removed restrooms in Cafeteria 164.
Add or Deduct: \$_____.
 - c. Removed existing admin area from scope of work.
Add or Deduct: \$_____.

4. Sheet M3.2 – Roof Plan – Mechanical New Work
 - a. Removed EF-3.



Add or Deduct: \$_____.

- 5. Sheet M6.0 – Mechanical Schedules
 - a. Removed EF-3 from Exhaust Fan Schedule.
Add or Deduct: \$_____.

Electrical Items:

- 1. Sheet E0.1 – Electrical Legend and General Notes
 - a. Revised System Responsibility Matrix.
Add or Deduct: \$_____.

- 2. Sheet ED.1 – First Floor Plan – Electrical Demolition
 - a. Revised demolition scope in Restroom 115 and 116.
Add or Deduct: \$_____.
 - b. Revised demolition scope in existing admin area.
Add or Deduct: \$_____.

- 3. Sheet ED.2 – First Floor Plan – Electrical Demolition
 - a. Added fire alarm demolition in rooms 130, 131 and 132.
Add or Deduct: \$_____.
 - b. Added intercom and bell system headend equipment in room 130.
Add or Deduct: \$_____.

- 4. Sheet E1.1 – First Floor Plan – Lighting
 - a. Removed new work scope in Restrooms 115 and 116.
Add or Deduct: \$_____.
 - b. Removed new work scope in existing admin area.
Add or Deduct: \$_____.
 - c. Revised lighting in Cafeteria 164.
Add or Deduct: \$_____.

- 5. Sheet E2.1 – First Floor Plan – Power
 - a. Removed new work scope in Restrooms 115 and 116.
Add or Deduct: \$_____.
 - b. Removed new work scope in existing admin area.
Add or Deduct: \$_____.
 - c. Revised receptacle layout in Cafeteria 164.
Add or Deduct: \$_____.
 - d. Revised location of receptacles for electrical water coolers (EWC) in Cafeteria 164.



- Add or Deduct: \$_____.
 - e. Added receptacles in Classroom 162.
Add or Deduct: \$_____.
 - f. Added receptacles in classroom 163.
Add or Deduct: \$_____.
- 6. Sheet E2.2 – Roof Plan – Electrical
 - a. Removed electrical connection for exhaust fan EF-3.
Add or Deduct: \$_____.
- 7. Sheet E3.1 – First Floor Plan – Systems
 - a. Revised new work scope in existing admin area.
Add or Deduct: \$_____.
 - b. Revised Communications Riser Diagram.
Add or Deduct: \$_____.
 - c. Removed door hardware for double doors in Cafeteria 164.
Add or Deduct: \$_____.
- 8. Sheet E3.2 – First Floor Plan – Systems
 - a. Added intercom and bell system headend equipment in room 130.
Add or Deduct: \$_____.
 - b. Added note locating existing MDF in room 131.
Add or Deduct: \$_____.
- 9. Sheet E5.5 – Door Details
 - a. Removed details 2, 4 and 5.
Add or Deduct: \$_____.
 - b. Added manufacturer information to card reader in access control legend.
Add or Deduct: \$_____.
- 10. Sheet E6.2 – Panel Schedules
 - a. Revised panelboard schedules for L1, P1 and M1.
Add or Deduct: \$_____.
- 11. It is acceptable to allow the use of MC cable for above ceiling cable runs for the new fire alarm system.
Add or Deduct: \$_____.

RECEIPT OF THIS ADDENDUM MUST BE ACKNOWLEDGED ON THE BID.

LEGEND

- PROPERTY LINE (LIMITS OF DEMOLITION)
- LIMITS OF CONSTRUCTION
- TREE PROTECTION FENCE REFER TO DETAIL A/DS-100
- CONTRACTOR SHALL REMOVE EXISTING ASPHALT AND STONE BASE COMPLETELY. UNDERCUT SUBGRADE MATERIAL AS REQUIRED TO CONSTRUCT NEW ASPHALT SECTION. TOP ON NEW ASPHALT SHALL BE FLUSH WITH TOP OF ADJACENT EXISTING ASPHALT.
- REMOVE/RELOCATE - DISPOSE OF OFF-SITE AT AN APPROVED LOCATION OR FACILITY.

JOB SITE SAFETY

THE CONTRACTOR IS SOLELY RESPONSIBLE FOR JOB SITE SAFETY DURING CONSTRUCTION. JOB SITE SAFETY IS OUTSIDE THE SCOPE OF WORK OF SHERMAN CARTER BARNHART (SCB). NEITHER THE PROFESSIONAL ACTIVITIES OR THE PRESENCE OF SCB EMPLOYEES OR SUBCONSULTANTS AT THE CONSTRUCTION SITE SHALL RELIEVE THE CONTRACTOR OR ANY OTHER ENTITY OF THEIR OBLIGATION, DUTIES, AND RESPONSIBILITIES INCLUDED, BUT NOT LIMITED TO, CONSTRUCTION MEANS, METHODS, SEQUENCES, TECHNIQUES, TO PROCEDURES NECESSARY FOR PERFORMING SUPERINTENDING OR COORDINATING ALL PORTIONS OF THE WORK OF CONSTRUCTION IN ACCORDANCE WITH THE CONTRACT DOCUMENTS AND ANY HEALTH AND SAFETY PRECAUTIONS REQUIRED BY GOOD CONSTRUCTION PRACTICES OR ANY REGULATORY AGENCIES. ANYONE USING INFORMATION FROM THESE PLANS ACKNOWLEDGES AND WARRANTS THAT SHERMAN CARTER BARNHART IS NOT RESPONSIBLE FOR SITE SAFETY IN ANY WAY.

GENERAL DEMOLITION NOTES:

- SITE DEMOLITION DRAWINGS ARE INTENDED TO GENERALLY SHOW THE DEMOLITION NECESSARY TO COMPLETE THE NEW WORK. THE CONTRACTOR SHALL REVIEW ALL DOCUMENTS AND VISIT AND OBSERVE THE SITE PRIOR TO SUBMITTING HIS BID AND SHALL INCLUDE IN HIS BID ALL WORK NECESSARY TO ACCOMPLISH THE NEW WORK, WHETHER OR NOT SHOWN ON THESE DEMOLITION DRAWINGS.
- ALL TREES ARE TO REMAIN UNLESS SPECIFICALLY NOTED OTHERWISE.
- REFER TO SITE UTILITY PLANS FOR DEMOLITION AND/OR RELOCATION OF UTILITIES.
- FOR CONCRETE REMOVAL REMOVE TO THE NEAREST CONSTRUCTION JOINT. PROVIDE A CLEAN SAW CUT JOINT TO ALL EXISTING EDGES OF CONCRETE TO REMAIN.
- ALL DEMOLISHED MATERIALS NOT SPECIFICALLY NOTED TO BE RETURNED TO OWNER, ARE TO BE PROPERLY DISPOSED OF OFF-SITE.
- ALL FOUND MEMORIAL MONUMENTS SHALL BE SALVAGED AND RETURNED TO OWNER.
- ALL EXISTING SITE FURNISHINGS AND TRASH RECEPTACLES, WITHIN DEMOLITION AREAS, SHALL BE SALVAGED AND RETURNED TO OWNER.
- WHERE STORM DEMOLITION OCCURS WITHIN FOOTPRINT OF NEW BUILDING ADDITIONS AND NEW PAVEMENT AREAS, CONTRACTOR SHALL BACKFILL TRENCHES WITH COMPACTED DCA.

UTILITIES

THE UTILITIES ARE SHOWN ON THE DRAWINGS AS ACCURATELY AS THEY HAVE BEEN PROVIDED TO THE ARCHITECT. THEIR LOCATIONS ARE NOT GUARANTEED. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONTACT ALL UTILITY COMPANIES AND TO HAVE ALL UTILITIES FIELD LOCATED, PRIOR TO STARTING CONSTRUCTION. THE UTILITIES SHOWN REPRESENT OBSERVABLE FEATURES ALONG WITH INFORMATION PROVIDED BY THE RESPECTIVE UTILITY COMPANIES, AND IS THEREFORE NOT WARRANTED. PRIOR TO CONSTRUCTION THE CONTRACTOR IS TO FIELD VERIFY ALL UTILITY LOCATIONS, SIZES, TYPE ETC. NEEDED TO COMPLETE THE WORK OF THE CONTRACT.

THE CONTRACTOR SHALL NOTIFY THE ARCHITECT IF A CONFLICT IS ANTICIPATED. IF THE CONTRACTOR PROCEEDS WITHOUT CONTACTING THE UTILITY COMPANIES AND DOES NOT NOTIFY THE ARCHITECT OF POTENTIAL CONFLICTS HE DOES SO AT HIS OWN RISK.

■ SITE DEMOLITION KEY

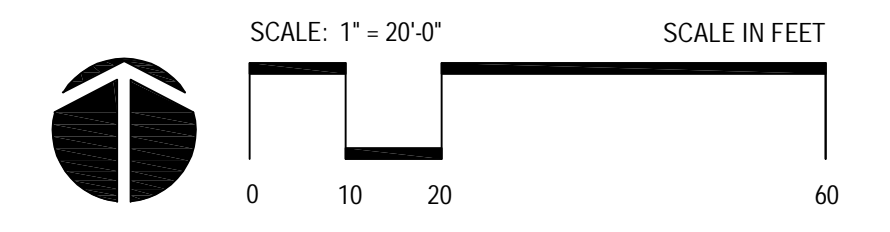
- EXISTING PAVING AND GRAVEL SUB-BASE TO BE REMOVED COMPLETELY. COORDINATE LIMITS WITH SITE DEVELOPMENT AND SITE UTILITY DRAWINGS.
- (NA)-EXISTING TREE OR SHRUB AND ROOT SYSTEM TO BE REMOVED COMPLETELY.
- (NA)-SAW CUT TO PROVIDE CLEAN EDGE - COORDINATE EXACT LOCATIONS WITH SITE DEVELOPMENT AND SITE UTILITY DRAWINGS.
- EXISTING CONCRETE FOUNDATIONS TO BE REMOVED COMPLETELY.
- EXISTING FENCING TO BE REMOVED COMPLETELY.
- EXISTING UTILITY TO BE REMOVED COMPLETELY.



GENERAL PHASING NOTES:

- IN ALL PHASES OF THIS JOB, THE CONTRACTOR MUST FULLY COOPERATE WITH THE OWNER CLOSELY TO COORDINATE ACCESS TO THE SITE, MATERIAL STORAGE AND STAGING AREAS, INTERRUPTIONS OF UTILITIES, MAINTENANCE OF MEANS OF EGRESS AND SIMILAR ITEMS NECESSARY FOR THE OWNER'S SAFE OPERATION AND USE OF PREMISES DURING CONSTRUCTION.
- THE CONTRACTOR SHALL PROVIDE TEMPORARY UTILITIES AS REQUIRED DURING CONSTRUCTION. SHOULD ABUSE OF TEMPORARY UTILITIES BE NOTED BY THE OWNER AND ARCHITECT, THE GENERAL CONTRACTOR SHALL BE CHARGED ACCORDINGLY. ADDITIONAL OFF-SITE UTILITIES THAT MAY BE REQUIRED SUCH AS PROPANE GAS OR ADDITIONAL ELECTRIC METER SERVICE SHALL BE PROVIDED BY THE CONTRACTOR. SHOULD CONTRACTOR DISCONNECT ANY EXISTING UTILITIES FROM A PORTION OR PORTIONS OF THE BUILDING DURING CONSTRUCTION AND REQUIRE ADDITIONAL UTILITIES TO BE PROVIDED FOR TEMPORARY HEAT, LIGHTING, ETC., THIS COST SHALL BE BORNE BY THE CONTRACTOR.
- THE CONTRACTOR SHALL INSTALL TEMPORARY ENCLOSURES, DUST BARRIERS, AND EGRESS DOORS AS REQUIRED FOR CONTROL OF SOUND, DUST AND SEPARATION OF STUDENT POPULATION FROM CONSTRUCTION AREAS. THE CONTRACTOR SHALL REFER TO SPECIFICATIONS FOR ADDITIONAL SAFETY MEASURES AND TEMPORARY ENCLOSURES.
- THE CONTRACTOR SHALL NOTIFY THE OWNER TWO (2) WEEKS PRIOR TO ANY ANTICIPATED UTILITY OUTAGES.
- ALL WORK TO BE COMPLETED WITHIN AREAS OF THE BUILDING THAT ARE TO REMAIN OPEN SHALL BE COORDINATED WITH THE OWNER AND BUILDING OCCUPANTS.
- THE MEANS OF EGRESS MUST BE MAINTAINED FROM ALL OCCUPIED PORTIONS OF THE FACILITY AT ALL TIMES TO THE SATISFACTION OF THE LOCAL BUILDING CODE ENFORCEMENT OFFICIALS AND THE OWNER.
- MINOR DEMOLITION AND RENOVATION MAY NOT OCCUR IN AN OCCUPIED AREA DURING OPERATING HOURS, BUT MAY OCCUR AFTER HOURS AND DURING UNOCCUPIED HOURS. SUCH WORK MUST BE SCHEDULED WITH THE OWNER MINIMUM OF (2) WEEKS IN ADVANCE.
- INTERRUPTION OF ANY OF THE BUILDING UTILITIES MAY ONLY OCCUR AFTER HOURS, DURING UNOCCUPIED PERIODS OR DURING HOLIDAYS OR SCHEDULED VACATIONS. FULL SERVICE MUST BE RESTORED TO OCCUPIED AREAS OF THE FACILITY PRIOR TO RE-OCCUPANCY.
- NO CONDITIONS WILL BE PERMITTED WHICH, IN THE OPINION OF THE OWNER, CODE OFFICIAL OR THE ARCHITECT CONSTITUTES AN UNSAFE CONDITION OR HAZARD TO THE OCCUPANTS OR CONTINUE USE OF THE FACILITY.
- THE CONTRACTOR SHALL PROVIDE AND MAINTAIN ALL SIGNAGE AND TRAFFIC CONTROL DEVICES REQUIRED THROUGH AND AROUND THE SITE. COORDINATE WITH THE OWNER.
- CONTRACTOR IS RESPONSIBLE FOR KEEPING THE SITE SECURE AND SAFE AT ALL TIMES.
- TEMPORARY PEDESTRIAN ROUTES SHALL BE ADA ACCESSIBLE.
- ALL EXISTING DRIVES SHALL REMAIN OPEN WHILE SCHOOL IS IN SESSION.

THE CONTRACTOR SHALL PREPARE A DETAILED SITE LOGISTICS AND PHASING PLAN FOR OWNER APPROVAL SHOWING SCHEDULED CONSTRUCTION ACTIVITIES AND FENCING OF AREAS TO ACHIEVE GOALS OF THE LOGISTICS PLAN.



KEY	DESCRIPTION	DETAIL
(A)	GRAVEL DRIVE (6" #3 STONE / 2" DGA / FILTER FABRIC)	AP / SD-3.0
(B)	CONCRETE PAVING	CP / SD-3.0
(C)	NOT USED	
(D)	CONCRETE WALK	CW / SD-3.0
(E)	12" EXPANSION JOINT MATERIAL W/ SEALANT (TYP)	EJ / SD-3.0
(F)	1/4" TOOLED CONTROL JOINT (TYP)	TJ / SD-3.0
(G)	4" WIDE WHITE PAINT STRIPE (TYP)	SEE SPECS.
(H)	PIPE BOLLARD	BD / SD-3.0
(I)	SITE UTILITY	SEE MECH/ELEC
(J)	CONCRETE WALK WITH TURNED DOWN EDGE	TW / SD-3.0
(K)	4'-0" TALL, PVC COATED, CHAINLINK FENCE AND SINGLE GATE	CF / SD-3.0
(L)	8'-0" TALL CHAINLINK FENCE, PVC COATED	CF / SD-3.0
(M)	8'-0" TALL CHAINLINK FENCE DOUBLE VEHICULAR GATE, PVC COATED	CF / SD-3.0
(N)	8'-0" TALL CHAINLINK FENCE SINGLE GATE, PVC COATED	CF / SD-3.0
(O)	8'-0" TALL CHAINLINK FENCE, PVC COATED, WITH PVC SLATS	CF / SD-3.0
(P)	8'-0" TALL CHAINLINK FENCE DOUBLE VEHICULAR GATE, PVC COATED, WITH PVC SLATS	CF / SD-3.0
(Q)	8'-0" TALL CHAINLINK FENCE SINGLE GATE, PVC COATED, WITH PVC SLATS	CF / SD-3.0
(R)	CONCRETE RAMP	HD / SD-3.1
(S)	HANDRAIL	HD / SD-3.1
(T)	GUARDRAIL	GR / SD-3.1
(U)	CONCRETE STEPS	SD / SD-3.0
(V)	CHEEK WALLS AT CONCRETE STEPS (SEE STRUCTURAL)	K / S-3.1
(W)	TERRACE WALL (SEE STRUCTURAL)	D / S-3.1
(X)	TERRACE WALL AT CONCRETE STEPS (SEE STRUCTURAL)	P / S-3.1

GENERAL SITE NOTES:

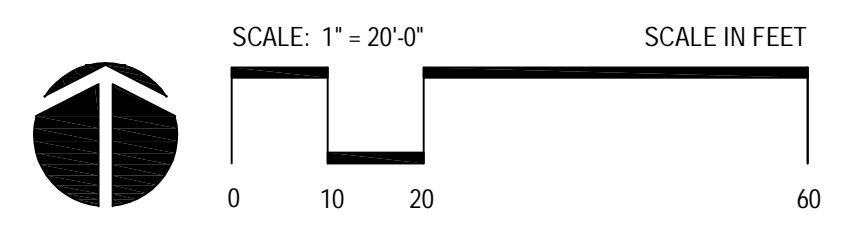
- PROVIDE 12" EXP. JT. MATERIAL W / SEALANT WHERE NEW CONC. CURBS, WALKS, OR PAVING ABUT STORM SEWER STRUCTURES, BUILDINGS, ETC.
- AT END OF PROJECT, CONTRACTOR SHALL REMOVE ALL TEMPORARY FENCING, TEMPORARY EROSION CONTROL STRUCTURES, AND OTHER TEMPORARY SERVICES ON SITE.
- ALL RADII ARE TO BE 5' UNLESS SHOWN OTHERWISE.
- CONSTRUCTION SHALL BE IN ACCORDANCE WITH ALL LOCAL, STATE, FEDERAL GOVERNING AGENCIES.
- ALL PERMITS AND BONDS ARE THE RESPONSIBILITY OF THE CONTRACTOR.
- ANY AREAS DAMAGED SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE TO THE SATISFACTION OF THE OWNER. ALL GRASS AREAS DISTURBED DURING CONSTRUCTION SHALL BE SEEDED UNLESS OTHERWISE SHOWN TO RECEIVE SOO.
- UTILITIES ON THIS SHEET ARE FOR REFERENCE ONLY. REFER TO UTILITY DRAWINGS FOR LOCATIONS UNLESS OTHERWISE SHOWN ON THIS SHEET.
- ALL DIMENSIONS ARE TO THE FACE OF CURB UNLESS SHOWN OTHERWISE.
- ALL TREES ARE TO REMAIN UNLESS SPECIFICALLY NOTED OTHERWISE.
- CONTRACTOR TO COORDINATE STAGING, CONSTRUCTION ENTRANCE, AND NEW WORK WITH OWNER.
- REFER TO MECH/ELEC/PLUMB SITE UTILITY SHEETS FOR ADDITIONAL CUT AND PATCHING OF PAVEMENTS.
- REFER TO STRUCTURAL AND ARCHITECTURAL DRAWINGS FOR CONCRETE WALK CONNECTION TO BUILDING SLAB AT DOORWAYS.
- CAD FILES WILL BE AVAILABLE TO SUCCESSFUL CONTRACTOR FOR LAYOUT PURPOSES UPON CONTRACTOR SIGNING OF RELEASE FORM. ANY ADDITIONAL DIMENSIONS REQUIRED FOR LAYOUT SHALL BE REQUESTED BY THE CONTRACTOR.
- WHERE NEW WORK OCCURS IN EXISTING PAVEMENT, CONTRACTOR SHALL CUT AND PATCH PAVEMENT AS REQUIRED TO COMPLETE NEW WORK AND RESTORE PAVEMENT MATCH PAVEMENT TYPE. SEE SPECIFIC DETAILS FOR NEW PAVEMENT SECTIONS. IF SPECIFIC DETAIL IS NOT INCLUDED CONTRACTOR SHALL MATCH EXISTING PAVEMENT SECTION. FOR ASPHALT PATCHING SEE DETAIL EK/SD3.1 FOR EDGE KEY. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WITH ALL DRAWINGS INCLUDING ALL SITE UTILITY DRAWINGS AND ASSOCIATED UTILITY TRENCHING.
- ALL LIGHT STANDARDS SHALL BE EQUIDISTANT FROM BACK OF CURB UNLESS NOTED OTHERWISE (TYP. 3 FEET CLEAR BETWEEN BACK OF CURB AND FACE OF FIXTURE FOUNDATION). WHERE LIGHT STANDARDS ARE SHOWN IN LINE, INTENT IS FOR THE POLES TO ALIGN WITHIN A 1" TOLERANCE. REFER TO SITE ELECTRICAL SHEET FOR FURTHER INFORMATION.
- COORDINATES SHOWN ON THIS DRAWING ARE PROVIDED TO LOCATE NEW BUILDING ON SITE. CONTRACTOR SHALL REFER TO ARCHITECTURAL DRAWINGS FOR ACTUAL BUILDING DIMENSIONS.

LEGEND

- PROPERTY LINE (LIMITS OF CONSTRUCTION)
- - - TREE PROTECTION FENCE REFER TO DETAIL A / DS-1.0
- (G) (F) CONCRETE WALK - CW / AS-201

KEY TO SHADING

- (A) GRAVEL DRIVE
- (B) CONCRETE PAVING



GRADING SITE LEGEND

SYMBOLS	DESCRIPTION
— 500 —	EXISTING CONTOUR MINOR
— 500 —	EXISTING CONTOUR MAJOR
— 500 —	CONTOUR MINOR
— 500 —	CONTOUR MAJOR
✕ 979.5	EXISTING SPOT ELEVATION
✕ 979.5	SPOT ELEVATION AT GUTTER LINE ADD 6" FOR TOP OF CURB ELEVATION
— 979.55 FL	CHANNEL FLOW LINE ELEVATION
✕ 979.55 HP	SPOT ELEVATION HIGH POINT @ BREAKLINE
✕ 979.55 TC	SPOT ELEVATION TOP OF CURB/CONCRETE
✕ 979.55 CL	SPOT ELEVATION GUTTER LINE
ME	EXISTING FIELD VERIFIED SPOT ELEVATION AT GUTTER LINE ADD 6" FOR CURB ELEVATION
MATCH EXIST	EXISTING FIELD VERIFIED SPOT ELEVATION AT GUTTER LINE ADD 6" FOR CURB ELEVATION
✕ 979.55 FL	SPOT ELEVATION FLUSH AT GUTTER LINE
✕ 979.55 FFE	FINISH FLOOR ELEVATION
✕ 979.55 CC	CURB CUT ELEVATION
DS	DROP INLET SQUARE OR ROUND DIS640
SHW	STANDARD HEADWALL SHW540
DS	NEW OR EXISTING DOWNSPOUTS ARE SHOWN FOR REFERENCE ONLY REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATION PROVIDE BOOTHS PER DIS640 4" DIA FOUNDATION DRAIN SMOOTH INTERIOR FDS640
ST	STORM SEWER ST640
1.0%	GRADERS/GPE
→	RUNOFF FLOW ARROW
↘	HANDICAPPED RAMP MAX SLOPE 8.33%
F.V.	FIELD VERIFY EXISTING CONDITIONS AND ADJUST ACCORDINGLY

GRADING AND DRAINAGE NOTES:

- 1. ALL EARTHWORK FOR THIS PROJECT SHALL BE UNCLASSIFIED EXCAVATION TO PLAN BOTTOM DEPTH. PLAN BOTTOM DEPTH IS DEFINED AS THE LOWEST ELEVATION OF EXCAVATION. THIS INCLUDES BOTTOM OF EXCAVATION FOR FOUNDATIONS, UTILITIES, ROADS, PARKING, SIDEWALKS, REQUIRED UNSUITABLE SOILS UNDERCUTTING AND/OR ROCK REMOVAL AS INDICATED OR NOTED ON DRAWINGS OR GEOTECHNICAL REPORT.
- 2. AREAS THAT WILL SUPPORT FOUNDATIONS, FLOORS, PAVEMENTS, SHALL BE PROPERLY PREPARED AS SPECIFIED IN ACCORDANCE WITH GEOTECHNICAL EXPLORATION REPORT PREPARED BY Y. SOLID GROUND CONSULTING ENGINEERS PLLC DATED AUGUST 2023 AND SHALL BE APPROVED BY ON-SITE GEOTECHNICAL ENGINEERING TESTING AGENCY.
- 3. PRIOR TO CONSTRUCTION OR THE PLACEMENT OF NEW ENGINEERED FILL, THE EXPOSED SUBGRADE SHALL BE EVALUATED BY THE ON-SITE GEOTECHNICAL ENGINEER. THE EVALUATION SHALL INCLUDE PROTECTING OF THE EXPOSED SUBGRADE. IF UNSUITABLE MATERIALS ARE DISCOVERED, AN APPROPRIATE REMEDIAL MEASURE WILL BE RECOMMENDED BY THE GEOTECHNICAL ENGINEER AT THE TIME.
- 4. CARE MUST BE EXERCISED DURING GRADING AND FILL PLACEMENT OPERATIONS. THE COMBINATION OF CONSTRUCTION EQUIPMENT TRAFFIC AND EXCESS SURFACE MOISTURE CAN CAUSE PUMPING AND DETRIORATION OF THE NEAR SURFACE SOILS. THE SEVERITY OF THIS POTENTIAL PROBLEM DEPENDS TO A GREAT EXTENT ON THE WEATHER CONDITIONS PREVAILING DURING CONSTRUCTION. THE CONTRACTOR MUST EXERCISE CAUTION WHEN SELECTING EQUIPMENT SIZES AND ALSO MAKE A CONCERTED EFFORT TO CONTROL SURFACE WATER WHILE THE SUBGRADE SOILS ARE EXPOSED. IF SUCH PROBLEMS DO ARISE, THE GEOTECHNICAL ENGINEER SHOULD BE CONTACTED TO EVALUATE THE CONDITION.
- 5. ENGINEERED FILL PLACEMENT AND COMPACTION OPERATIONS SHALL BE MONITORED BY THE GEOTECHNICAL ENGINEER OR HIS REPRESENTATIVE. FIELD DENSITY TESTS MUST BE PERFORMED ON EACH LIFT AS NECESSARY TO CHECK THAT THE SPECIFIED COMPACTION IS BEING ACHIEVED.
- 6. THE CONTRACTOR SHALL VERIFY HORIZONTAL AND VERTICAL LOCATION OF ALL EXISTING STORM SEWER STRUCTURES, PIPES, AND ALL OTHER UTILITIES PRIOR TO CONSTRUCTION AND SHALL CLOSELY MONITOR UTILITY INSTALLATION BY OTHERS. IT IS RECOMMENDED TO INSTALL GRAVITY STORM AND SANITARY LINES PRIOR TO ELECTRICAL, COMMUNICATION AND WATER LINES. BURY DEPTH CONFLICTS DUE TO NON COORDINATION WILL NOT BE SUBJECT TO CHANGE REQUEST.
- 7. EXCAVATION, ROCK REMOVAL, TOPSOIL STOCKPILES, DETENTION POND BERMS, UTILITY TRENCHES, AND OTHER SPECTS OF CONSTRUCTION SHALL COMPLY WITH THE REQUIREMENTS OF THE OSHA REGULATIONS 1926.690-692.
- 8. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE PROJECT CIVIL ENGINEER OF ANY DISCREPANCIES FOUND BETWEEN THESE PLANS AND FIELD CONDITIONS PRIOR TO CONSTRUCTION.
- 9. THE PRINCIPLES OF POSITIVE DRAINAGE SHALL BE APPLIED UNIVERSALLY ACROSS THE SITE. WATER SHALL BE MOVED AWAY FROM THE BUILDINGS. WATER SHW SHOULD NOT BE ALLOWED TO POND AT LOW POINTS OR IN LOW AREAS. FINISH SUBGRADE TO REQUIRED ELEVATION WITHIN THE FOLLOWING TOLERANCES:
LAWN OR UNPAVED AREAS: PLUS OR MINUS 0.05 FT
SIDEWALKS: PLUS OR MINUS 0.05 FT
PAVEMENT: PLUS OR MINUS 0.05 FT
GRADING INSIDE BUILDING LINE TO A TOLERANCE OF 0.05 FT WHEN TESTED WITH A 10 FOOT STRAIGHTEDGE
- 10. AFTER COMPLETION OF CONSTRUCTION, THE CONTRACTOR SHALL PERFORM SITE CLEANUP TO REMOVE ALL TRASH, DEBRIS, EXCESS MATERIALS, EQUIPMENT AND OTHER DELETERIOUS MATERIALS ASSOCIATED WITH CONSTRUCTION. THE SITE CONTRACTOR IS EXPRESSLY RESPONSIBLE FOR ENSURING THE SITE IS CLEAN AND IN OPERABLE CONDITION AT THE TIME OF FINAL ACCEPTANCE.
- 11. PROPOSED EXISTING ROAD AND PARKING AREAS ARE NOT DESIGNED TO ACCOMMODATE HIGH LOADS CREATED BY CONSTRUCTION VEHICLES. CONTRACTOR SHALL MAINTAIN STABLE AND UNPAVED SUBGRADE TO REMAIN AND EXISTING ASPHALT PAVEMENT DAMAGED BY CONSTRUCTION TRAFFIC AS REQUIRED AT NO ADDITIONAL COST TO THE OWNER. CONTRACTOR IS RESPONSIBLE FOR PROVIDE AND MAINTAIN TEMPORARY CONSTRUCTION ROAD IN ACCORDANCE WITH CONTRACTOR CONSTRUCTION METHODS AND SCHEDULE.
- 12. IF EXISTING FOUNDATION DRAINS EXIST AT EXISTING FOUNDATIONS, RECONNECT AND EXTEND EXISTING FOUNDATION DRAIN AS REQUIRED TO PROVIDE SUBSURFACE DRAINAGE.
- 13. ALL VALVE, METERS AND MANHOLE COVERS SHALL BE ADJUSTED TO MATCH THE NEW GRADERS (TYP)

DRAINAGE STRUCTURE NOTES:

- 1. ALL LENGTHS OF STORM SEWER PIPING ARE APPROXIMATE. CONTRACTOR SHALL PROVIDE PIPE MATERIALS AS FITTINGS AS NECESSARY TO COMPLETE THE STORM SEWER SYSTEM (NOT REQUIRED).
- 2. PROVIDE PPE SUPPLIED BY PRODUCER THAT LISTED ON THE LIST OF APPROVED MATERIALS PUBLISHED BY HIGHWAY TRANSPORTATION CABINET AND IN ACCORDANCE WITH SECTION 605 KTC STANDARD SPECIFICATION FOR ROAD AND BRIDGE CONSTRUCTION EDITION OF 2008. ENSURE ALL FITTINGS AND PPE ARE MADE FROM THE SAME TYPE OF MATERIAL.
- 3. STORM PIPE DESIGNATION:
R5: R5 POLYPROPYLENE PIPE, PROVIDE 1/2" O.D. BENT PIPE CORRUGATED HIGH DENSITY POLYETHYLENE PIPE (HDPE) OR DEPT WITH SMOOTH INTERIOR WALL IN WATERTIGHT JOINTS.
R6: EQUIVALENT MEETING AASHTO STANDARD M24 INSTALL AND BACKFILL HDPE PIPE IN STRICT ACCORDANCE WITH MANUFACTURERS SPECIFICATIONS.
R8: R8 CONCRETE PIPE CONFORMING AASHTO M-170 CLASS III
- 4. ALL PIPES ENTERING STORM SEWER STRUCTURES SHALL BE GROUDED TO ASSURE CONNECTION AT STRUCTURE IS WATER TIGHT.
- 5. ADJUST ALL SENDER AND DRAIN FRAMES AND GRATES OR COVERS TO FINISH GRADE AND ENSURE THAT GRATES AND FRAMES ARE PROPERLY SEATED OUTSIDE.
- 6. PROVIDE 400#P8 @ 24" DIA'S CONCRETE. COBNET TYPE 1 OR TYPE 1 FOR ALL CONCRETE DRAINAGE STRUCTURES.
HORIZONTALLY ± 1/2"
VERTICALLY ± 0.05'
- 7. PROVIDE CONSISTENT SLOPE TO STORM DRAINAGE STRUCTURES. INTENT IS TO AVOID ABRUPT GRADE CHANGES ADJACENT TO DRAINAGE STRUCTURES. NO SLOPES GREATER THAN 10:1.

ACCESSIBILITY INFORMATION:

- 1. THE ELEVATION OF ALL EXTERIOR WALKS AND SLABS SHALL BE FLUSH WITH FINISH FLOOR ELEVATION AT ALL DOORS, AND SHALL SLOPE NO MORE THAN 2% WITHIN 9' OF THOSE DOORS. ELSEWHERE EXTERIOR WALKS AND SLABS SHALL CONFORM TO THE SPOT ELEVATIONS AND CONTOURS INDICATED AND IN NO CASE SHALL EXCEED 2% SLOPE EXCEPT AT CURBS RAMP WHICH SHALL SLOPE 8.33% (MAX). CROSS SLOPE OF WALKWAYS AND SLABS SHALL NOT BE STEEPER THAN 1:20.
- 2. GRATES LOCATED WITHIN ROUTE SHALL BE POSITIONED PERPENDICULAR TO DIRECTION OF THE TRAVEL. SLOT WIDTH SHALL NOT EXCEED 1/2" UNLESS OTHERWISE NOTED.
- 3. PARKING SPACES AND ACCESSIBLES SHALL BE LEVEL WITH SURFACE SLOPES NOT EXCEEDING 2% (1:50).
- 4. TRANSITIONS FROM RAMPS TO WALKS, SHALL BE FLUSH AND FREE OF ABRUPT CHANGES.
- 5. RAMPS TO BUILDING: WHERE INDICATED
a. MINIMUM WIDTH 48" SEE PLAN FOR ACTUAL DIMENSION
b. SLOPE TO BE 1:12 MAXIMUM TO 1:20
c. CROSS SLOPE 2% MAXIMUM
d. FLARED SIDES MINIMUM SLOPE 1:10

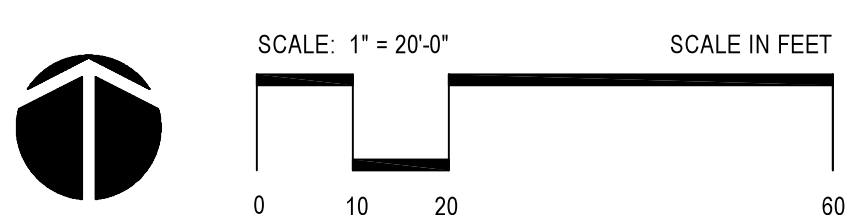
UTILITY NOTES: REFER TO M & E DRAWINGS FOR DEMOLITION AND INSTALLATION OF NEW UTILITIES, SANITARY AND WATER LINES ARE SHOWN FOR COORDINATION ONLY.

- 1. CONTRACTOR SHALL CALL KENTUCKY 811 AT LEAST 2 BUSINESS DAYS PRIOR TO ANY EXCAVATION, TO LOCATE AND MARK EXISTING UTILITIES.
- 2. EXISTING UTILITY LINES SHOWN ARE APPROXIMATE LOCATIONS ONLY. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING UTILITY LINE LOCATIONS PRIOR TO ANY CONSTRUCTION. ANY DEVIATIONS FROM THE DESIGN LOCATIONS SHALL BE REPORTED TO THE OWNER OR ENGINEER PRIOR TO BEGINNING CONSTRUCTION.
- 3. THE CONTRACTOR WILL PROVIDE ALL NECESSARY PROTECTIVE MEASURES TO SAFE GUARD UTILITIES FROM DAMAGE DURING CONSTRUCTION OF THIS PROJECT. IN THE EVENT THAT SPECIAL EQUIPMENT IS REQUIRED TO WORK OVER AND AROUND THE UTILITIES, THE SITE CONTRACTOR WILL BE REQUIRED TO RENT SUCH EQUIPMENT. IF DAMAGE IS INTERRUPTED CONTRACTOR IS RESPONSIBLE FOR RESTORING SERVICE BY REPAIRING THE DAMAGED UTILITY AT NO ADDITIONAL COST TO THE OWNER.
- 4. THE CONTRACTOR SHALL NOTIFY EACH INDIVIDUAL UTILITY OWNER OF HIS PLAN OF OPERATION IN THE AREA OF THE UTILITIES PRIOR TO COMMENCING WORK. THE CONTRACTOR SHALL CONTACT THE UTILITY OWNERS AND REQUEST THEM TO PROPERLY LOCATE THEIR UTILITY ON THE GROUND. THIS NOTIFICATION SHALL BE GIVEN AT LEAST 2 BUSINESS DAYS PRIOR TO COMMENCEMENT OF OPERATIONS AROUND THE UTILITY.
- 5. GRAVITY STORM AND SANITARY LINES SHALL BE INSTALLED PRIOR TO INSTALLATION OF WATER, ELECTRICAL, COMMUNICATION AND GEOTHERMAL LINES.

FIELD QUALITY CONTROL:

OWNER WILL ENGAGE A QUALIFIED TESTING AGENCY TO PERFORM THE SPECIAL INSPECTION AND QUALITY ASSURANCE TESTING AS REQUIRED IN ACCORDANCE WITH THE TESTING REQUIREMENTS OF KENTUCKY BUILDING CODE CHAPTER 17 AND EARTHWORK SPECIFICATION. CONTRACTOR IS RESPONSIBLE FOR QUALITY CONTROL, SCHEDULING, PLANNING AND INSPECTION TO ENSURE PROPER TESTING BY OWNERS TESTING AGENCY IN ACCORDANCE WITH GEOTECHNICAL RECOMMENDATIONS AND EARTHWORK SPECIFICATION.

SCALE: 1" = 20'-0"
SCALE IN FEET



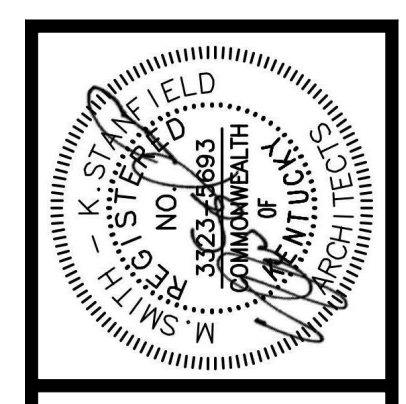
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IMPORT SOILS
CONTRACTOR SHALL INCLUDE ALL LABOR AND MATERIALS TO IMPORT SOIL FILL IN ACCORDANCE WITH THE GEOTECHNICAL REPORT RECOMMENDATION AS REQUIRED TO ACHIEVE PROPOSED ELEVATION PRIOR TO BRINGING SOIL MATERIALS ON-SITE. ANY OFF-SITE SOILS SHALL BE TESTED AND APPROVED BY THE OWNER TESTING AGENCY. IMPORT SOIL FILL SHALL BE UNIFORM AND CONSISTENT.

SOIL ALLOWANCES
INCLUDE AN ALLOWANCE BASED ON THE FOLLOWING WORK SCOPE. THE CONTRACTOR SHALL INCLUDE IN THE BASE BID AN ALLOWANCE TO REMOVE AND DISPOSE OFF-SITE AN ADDITIONAL 150 CY OF UNSUITABLE SOIL, WHICH MAY BE ENCOUNTERED BELOW PLAN BOTTOM DEPTH. THE ALLOWANCE PRICE SHALL INCLUDE REPLACEMENT WITH 150 CY OF GDA PLACED AND COMPACTED IN ACCORDANCE WITH THE PROJECT GEOTECHNICAL REPORT AND ON-SITE TESTING AGENCY RECOMMENDATIONS. ACTUAL VOLUMES IN THE ALLOWANCE SHALL BE MEASURED BY THE ON-SITE TESTING AGENCY AND THE CONTRACT WILL BE ADJUSTED USING UNIT PRICES.





JOB NO.	2210	
DATE	08/03/23	
DRAWN	M	
CHECKED	TSS/BKL	
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REVISIONS		
No.	Description	Date
1	ADDENDUM #1	08-21-23
2	ADDENDUM #2	08-23-23
3	ADDENDUM #3	08-11-23

GENERAL DEMOLITION NOTES

A. DEMOLITION REFERENCE NOTES FOR THIS PROJECT ARE INTENDED TO GENERALLY IDENTIFY THE SELECTIVE REMOVAL OF EXISTING ITEMS AT LOCATIONS WHERE REQUIRED BUT SHALL NOT RELIEVE THE CONTRACTOR OF THE FULL RESPONSIBILITY FOR EXAMINING AND VERIFYING THE FULL EXTENT OF EXISTING CONDITIONS AND NEW WORK PRIOR TO BIDDING THE PROJECT.

B. THE INTENT OF THE DEMOLITION NOTES IS TO PROVIDE A GENERAL OUTLINE FOR THE CONTRACTOR OF ITEMS TO BE REMOVED AND/OR TURNED OVER TO THE OWNER AND TO ALLOW FOR THE NEW CONSTRUCTION AS OUTLINED ELSEWHERE IN THE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DEMOLITION AND REMOVAL OF ITEMS TO ALLOW FOR NEW CONSTRUCTION SHOWN OR NOT SHOWN ON DEMOLITION PLANS AS MAY BE REQUIRED.

C. CAVITY WALLS AND SPACES BEHIND EXTERIOR FINISHES OR PARTIALLY REMOVED WALLS / ROOFS, ETC. SHALL BE PROTECTED FROM EXPOSURE TO WEATHER BY THE CONTRACTOR. WALLS, ROOFS, ETC. SHALL BE PROTECTED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGED WALLS, ROOFS, ETC. CAUSED BY THIS DEMOLITION OR WEATHER EXPOSURE OF ITEMS THAT ARE REMAIN.

D. INFORMATION AND DRAWINGS INCLUDED IN THESE CONTRACT DOCUMENTS PERTAINING TO THIS RENOVATION PROJECT HAVE BEEN OBTAINED FROM ORIGINAL DRAWINGS PROVIDED BY HART CO. SCHOOLS AND FIELD OBSERVATIONS. THE INFORMATION IS INCLUDED HEREIN WITH THE INTENT TO PROVIDE THE CONTRACTOR WITH A BASIC UNDERSTANDING OF EXISTING CONDITIONS. ACTUAL CONDITIONS AND DIMENSIONS MAY VARY FROM THOSE INDICATED ON DRAWINGS. CONTRACTOR TO VERIFY FIELD DIMENSIONS AND CONDITIONS.

E. REFER TO STRUCTURAL DRAWINGS FOR SPECIFIC REQUIREMENTS AT EXISTING CONDITIONS REQUIRING PARTIAL OR COMPLETE REMOVAL AND/OR MODIFICATION TO COMPONENTS OR ASSEMBLIES PERTAINING TO EXISTING BUILDING STRUCTURE.

F. REFER TO MECHANICAL AND ELECTRICAL DRAWINGS AND SPECIFICATIONS FOR SPECIFIC REQUIREMENTS PERTAINING TO THE REMOVAL, RELOCATION AND/OR MODIFICATION OF ITEMS RELATED TO EXISTING MECHANICAL AND ELECTRICAL SYSTEMS.

G. SHOULD THE CONTRACTOR ENCOUNTER ANY MATERIALS DURING SELECTIVE DEMOLITION AND NEW WORK WHICH ARE SUSPECTED BY THE CONTRACTOR TO BE AN UNKNOWN OR QUESTIONABLE COMPOSITION WITH RESPECTS TO CONTAMINANTS WHICH MAY BE HAZARDOUS TO HUMAN HEALTH, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE OWNER OF SUCH FINDINGS.

H. WHERE AN EXISTING WALL IS REMOVED AND NO NEW WALL IS SHOWN TO BE INSTALLED, REMOVE EXISTING WALL TO 8 INCHES BELOW ADJACENT FLOOR SLAB. PATCH AND REPAIR SLAB AS REQUIRED FOR INSTALLATION OF NEW FLOOR FINISH. REFER TO NEW WORK PLANS.

I. ALL AREAS LEFT EXPOSED AS A RESULT OF DEMOLITION AND/OR EQUIPMENT REMOVAL SHALL BE PATCHED AND REPAIRED TO RESULT IN A FLUSH SMOOTH SURFACE PREPARED TO RECEIVE NEW FINISHES AS SCHEDULED. ANY AREAS / OPENINGS IN MASONRY WALLS LARGER THAN 2" EXPOSED TO VIEW SHALL BE PATCHED WITH SOAPPED IN GUM UNITS TOOTHED-IN INTO EXISTING MASONRY.

J. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL PATCHING AND REPAIRING DUE TO DEMOLITION AND/OR REMOVAL OF EQUIPMENT TO CREATE A FLUSH SMOOTH SURFACE PROPERLY PREPARED TO RECEIVE NEW FINISHES AS SCHEDULED. CONTRACTOR SHALL SOAF IN NEW GUM TO MATCH EXISTING ADJACENT AREAS.

K. REFER TO MECH/ELEC DRAWINGS FOR SPECIFIC NOTES REGARDING REMOVAL OF EXISTING MECH/ELEC ITEMS.

L. REFER TO STRUCTURAL DRAWINGS FOR NEW WORK (I.E. NEW FOOTING, ETC.) WHICH MAY REQUIRE DEMOLITION WORK IN ADDITION TO ITEMS NOTED ON THE ARCHITECTURAL DRAWINGS ALL SUCH WORK SHALL BE PERFORMED BY THE CONTRACTOR.

M. REFER TO CIVIL/SITE DRAWINGS FOR ADDITIONAL DEMOLITION OF SITE/CIVIL ITEMS.

N. CONTRACTOR TO PROVIDE ALL SHORING AND BRACING AS REQUIRED TO SECURE ADJACENT CONSTRUCTION DURING DEMOLITION AND SELECTED DEMOLITION WORK.

O. INFILL ALL EXISTING MASONRY OPENINGS FROM MEP DEMOLITION. OPENINGS LESS THAN 2" TO BE FILLED WITH BACKER ROD AND SEALANT. ANY LARGER OPENING TO BE FILLED WITH GUM. TOOTH IN WHERE EXPOSED TO VIEW.

PHASING NOTES (CONT.)

8. INTERRUPTION OF ANY OF THE BUILDING UTILITIES MAY ONLY OCCUR AFTER HOURS, DURING UNOCCUPIED PERIODS OR DURING HOLDINGS OR SCHEDULED VACATIONS. FULL SERVICE MUST BE RESTORED TO OCCUPIED AREAS OF THE FACILITY PRIOR TO RE-OCCUPANCY.

9. NO CONDITIONS WILL BE PERMITTED WHICH, IN THE OPINION OF THE OWNER, CODE OFFICIAL, OR THE ARCHITECT CONSTITUTE AN UNSAFE CONDITION OR HAZARD TO THE OCCUPANTS OR CONTINUE USE OF THE FACILITY.

10. THE CONTRACTOR SHALL PROVIDE AND MAINTAIN ALL SIGNAGE AND TRAFFIC CONTROL DEVICES REQUIRED THROUGH AND AROUND THE SITE. COORDINATE WITH THE OWNER.

11. CONTRACTOR IS RESPONSIBLE FOR KEEPING THE SITE SECURE AND SAFE AT ALL TIMES.

12. TEMPORARY PEDESTRIAN ROUTES SHALL BE ADA ACCESSIBLE.

13. ALL EXISTING DRIVES SHALL REMAIN OPEN WHILE SCHOOL IS IN SESSION.

14. APPROXIMATE SCHEDULE FOR HART CO. SCHOOLS: (SCHEDULE IS SUBJECT TO CHANGE. COORDINATE WITH OWNER)

DATE	SCHEDULE
AUGUST 15, 2023	FACILITY PROFESSIONAL DEVELOPMENT ON-SITE.
AUGUST 22, 2023	STUDENT'S COMMENCE NORMAL WEEKDAY CLASSROOM SCHEDULE.
SEPTEMBER 4, 2023	HOLIDAY.
SEPTEMBER 22, 2023	EARLY RELEASE OF STUDENTS AND FACULTY.
OCTOBER 24, 2023	FALL BREAK FOR STUDENTS AND FACULTY.
OCTOBER 26, 2023	EARLY RELEASE OF STUDENTS AND FACULTY.
NOVEMBER 7, 2023	FACILITY PROFESSIONAL DEVELOPMENT ON-SITE.
NOVEMBER 22-24, 2023	HOLIDAY.
DECEMBER 19, 2023	EARLY RELEASE OF STUDENTS AND FACULTY.
DECEMBER 20-29, 2023	WINTER BREAK FOR STUDENTS AND FACULTY.
JANUARY 1, 2024	HOLIDAY.
JANUARY 2, 2024	STUDENT'S COMMENCE NORMAL WEEKDAY CLASSROOM SCHEDULE.
JANUARY 15, 2024	HOLIDAY.
JANUARY 26, 2024	EARLY RELEASE OF STUDENTS AND FACULTY.
FEBRUARY 16, 2024	EARLY RELEASE OF STUDENTS AND FACULTY.
MARCH 16, 2024	FACILITY PROFESSIONAL DEVELOPMENT ON-SITE.
APRIL 1, 2024	EARLY RELEASE OF STUDENTS AND FACULTY.
APRIL 2, 2024	SPRING BREAK.
APRIL 19, 2024	EARLY RELEASE OF STUDENTS AND FACULTY.
MAY 21, 2024	FACILITY PROFESSIONAL DEVELOPMENT ON-SITE.
MAY 27, 2024	HOLIDAY.
MAY 28, 2024	STUDENTS CONCLUDE NORMAL WEEKDAY CLASSROOM SCHEDULE.

NOTE: THE FALL 2024 LEGRANDE SCHOOL SCHEDULE WILL BE SIMILAR TO THE DATES NOTED ABOVE. THE CONTRACTOR IS TO PERFORM WORK AS NEEDED SUCH THAT THE NORMAL SCHOOL AND AFTER-SCHOOL ACTIVITIES ARE NOT INTERRUPTED BY CONSTRUCTION OR RENOVATION.

WORK BY OTHERS TO BE COORDINATED BY CONTRACTOR

THE OWNER IS CONTRACTING WITH OTHERS IN SEPARATE BID DOCUMENTS TO RENOVATE AND IMPROVE THE EXISTING SANITARY TREATMENT SYSTEM OF LEGRANDE ELEMENTARY SCHOOL. DRAWINGS ARE INCLUDED WITH THESE DOCUMENTS FOR BIDDING CONFORMANCE. DOCUMENTS FOR SANITARY TREATMENT SYSTEM BY PASNIE / OTHERS ARE NOT UNDER SHERMAN CARTER BARNHART ARCHITECTS STAMP OR SIGNATURE. WORK ON THE RENOVATION AND IMPROVEMENT TO THE SANITARY TREATMENT SYSTEM BY OTHERS WILL COINCIDE WITH WORK FOR THE ADDITION & RENOVATION CONTAINED WITH THESE CONSTRUCTION DOCUMENTS. THE CONTRACTOR IS TO COORDINATE WORK WITH OWNER'S OTHER CONTRACTOR(S) AS REQUIRED FOR CONCURRENT WORK AND TO MAINTAIN THE SCHEDULE.

PHASE 1 - SANITARY TREATMENT RENOVATION

CONTRACTOR TO SUBSTANTIALLY COMPLETE SANITARY TREATMENT RENOVATION WITHOUT DISRUPTION OF THE EXISTING SANITARY TREATMENT SYSTEM OR NORMAL FUNCTIONS OF THE SCHOOL. SANITARY TREATMENT RENOVATIONS MUST BE SUBSTANTIALLY COMPLETE BY JANUARY 1, 2024.

PHASE 2 - BUILDING ADDITION AND NON-DISRUPTIVE MEP WORK

CONTRACTOR TO COMMENCE WORK ASSOCIATED WITH THE BUILDING ADDITION WITHOUT DISRUPTION OF THE EXISTING KITCHEN AND RESTROOMS ACCESS OR FUNCTIONS. THE EXISTING CAFETERIA MAY BE REDUCED BY APPROXIMATELY 20% OF AREA FOR LIMITED RENOVATION WORK (AND BARRICADES ERECTED TO SEGREGATE STUDENTS FROM WORK AREAS). MEP MAY NOT DISRUPT OWNER'S NORMAL USE AND DISRUPTIVE MEP WORK.

PHASE 3 - GANG RESTROOMS RENOVATION

THE EXISTING GANG RESTROOMS (ROOMS 115 & 116) AND MEP WORK THAT DISRUPT NORMAL USE OF THE FACILITY ARE TO REMAIN IN USE THROUGHOUT THE NORMAL ACADEMIC YEAR. RENOVATION MUST OCCUR AND BE COMPLETED DURING A SINGLE, LONG BREAK PERIOD.

PHASE 3 - RENOVATION

CONTRACTOR TO SUBSTANTIALLY COMPLETE BUILDING ADDITION, SCHOOL FORCES WILL VACATE THE EXISTING KITCHEN AND CAFETERIA SO THAT RENOVATION WORK MAY OCCUR IN THOSE AREAS.

NOTES:

- REFERENCE TO "SUBSTANTIAL COMPLETION" ABOVE APPLIES TO BENEFICIAL USE OF THE OWNER OF THE SPACE BEING DESCRIBED. THE USE DOES NOT IMPLY SUBSTANTIAL COMPLETION OF THE OVERALL SCHEDULE AS IDENTIFIED IN THE PROJECT MANUAL.
- THE CONTRACTOR IS TO MAINTAIN ALL MEANS OF EGRESS AND CLEAR PASSAGE THROUGH CONSTRUCTION AREAS AS NEEDED. PROVIDE BARRICADES, WALKING SURFACES AND SHELTERS AS NEEDED TO PROTECT STUDENTS, VISITORS AND FACULTY.

HAZARDOUS MATERIAL NOTES

DUE TO THE AGE OF THE EXISTING BUILDING, IT IS POSSIBLE HAZARDOUS MATERIALS MAY EXIST INCLUDING, BUT NOT LIMITED TO ASBESTOS PRODUCTS, POLYCHLORINATED BIPHENYL (PCB) AND OTHER TOXIC SUBSTANCES. IF ANY WORK PERSON ENCOUNTERS ANY MATERIAL WHICH THEY SUSPECT MIGHT BE HAZARDOUS OR TOXIC, THEY SHALL IMMEDIATELY ADVISE THE OWNER. THE CONTRACTOR SHALL TAKE IMMEDIATE AND APPROPRIATE ACTION TO PROTECT THE BUILDING USERS AND WORKERS IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL LAWS, CODES AND REGULATIONS. THE ARCHITECT AND ARCHITECT'S CONSULTANTS SHALL HAVE NO RESPONSIBILITY FOR THE DISCOVERY, PRESENCE, HANDLING, REMOVAL OR DISPOSAL OF OR EXPOSURE OF PERSONS TO HAZARDOUS MATERIALS IN ANY FORM AT THE PROJECT SITE, INCLUDING BUT NOT LIMITED TO ASBESTOS, ASBESTOS PRODUCTS, POLYCHLORINATED BIPHENYL (PCB) OR OTHER TOXIC SUBSTANCES.

1. THE CONTRACTOR IS HEREBY ADVISED THAT SHERMAN-CARTER-BARNHART, PLLC IS NOT A DESIGN PROFESSIONAL IN THE DETERMINATION OF THE PRESENCE OF HAZARDOUS MATERIALS. NOR IS SHERMAN-CARTER-BARNHART, PLLC A DESIGN PROFESSIONAL INVOLVED IN MAKING RECOMMENDATIONS REGARDING THE TESTING, REMOVAL, ENCAPSULATION OR OTHER CORRECTIVE MEASURES PERTAINING TO HAZARDOUS MATERIALS.

2. IF THE WORK WHICH IS TO BE PERFORMED UNDER THE CONTRACT INTERFACES IN ANY WAY WITH THE EXISTING COMPONENTS WHICH CONTAIN HAZARDOUS MATERIALS, IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONTACT THE OWNER'S ENVIRONMENTAL CONSULTANT REGARDING THE PROPER MEANS AND METHODS TO BE UTILIZED W/ HAZARDOUS MATERIALS.

3. BY EXECUTION OF THE CONTRACT FOR CONSTRUCTION, THE CONTRACTOR HEREBY AGREES TO BRING NO CLAIM FOR NEGLIGENCE, BREACH OF CONTRACT, INDEMNITY OR OTHERWISE AGAINST THE ARCHITECT, HIS PRINCIPALS, EMPLOYEES, AGENTS OR CONSULTANTS IF SUCH A CLAIM IN ANY WAY WOULD INVOLVE THE INVESTIGATION OF OR REMEDIAL WORK RELATED TO HAZARDOUS MATERIALS IN THE PROJECT.

4. BY EXECUTION OF THE CONTRACT FOR CONSTRUCTION, THE CONTRACTOR FURTHER AGREES TO DEFEND, INDEMNIFY AND HOLD THE ARCHITECT, HIS PRINCIPALS, EMPLOYEES, AGENTS AND CONSULTANTS HARMLESS FROM ANY SUCH ASBESTOS OR OTHER HAZARDOUS MATERIALS RELATED CLAIMS THAT MAY BE BROUGHT BY THE CONTRACTOR'S SUBCONTRACTORS, SUPPLIERS OR OTHER THIRD PARTIES WHO MAY BE ACTING UNDER THE DIRECTION OF THE CONTRACTOR PURSUANT TO THIS PROJECT.

SALVAGE NOTES

1. SALVAGE EXISTING STONE SILLS AT WINDOWS AND SILLS IDENTIFIED TO BE REMOVED FOR REUSE.

2. UPON CONTRACTOR'S COMMENCEMENT OF THE WORK, ANY EQUIPMENT, FURNISHINGS, CONSTRUCTION WITHIN THE AREAS OF RENOVATION ARE THE CONTRACTOR'S RESPONSIBILITY TO PROPERLY DISPOSE.

DEMOLITION LEGEND

--- EXISTING CONSTRUCTION TO BE REMOVED

--- EXISTING CONSTRUCTION TO REMAIN, UNLESS NOTED OTHERWISE

- - - EXISTING DOOR AND / OR FRAME TO BE REMOVED, U.N.O. - REFER TO DEMOLITION KEY NOTES

- - - EXISTING DOOR AND / OR FRAME TO REMAIN - REFER TO DEMOLITION KEY NOTES

PHASING NOTES

CONTRACTOR TO PHASE ALL WORK AT LEGRANDE ELEMENTARY SCHOOL TO MINIMIZE DISRUPTION OF NORMAL USE TO STUDENTS / FACULTY / VISITORS TO THE SCHOOL BUILDING AND PROPERTY. THE WORK IS TO BE PHASED AS FOLLOWS:

GENERAL PHASING NOTES:

- IN ALL PHASES OF THIS JOB, THE CONTRACTOR MUST FULLY COOPERATE WITH THE OWNER CLOSELY TO COORDINATE ACCESS TO THE SITE, MATERIAL STORAGE AND STAGING AREAS, INTERRUPTIONS OF UTILITIES, MAINTENANCE OF MEANS OF EGRESS AND SIMILAR ITEMS NECESSARY FOR THE OWNER'S SAFE OPERATION AND USE OF THE PREMISES DURING CONSTRUCTION.
- THE CONTRACTOR SHALL PROVIDE TEMPORARY UTILITIES AS REQUIRED DURING CONSTRUCTION. SHOULD ABUSE OF TEMPORARY UTILITIES BE NOTED BY THE OWNER AND ARCHITECT, THE GENERAL CONTRACTOR SHALL BE CHARGED ACCORDINGLY. ADDITIONAL OFF-SITE UTILITIES THAT MAY BE REQUIRED SUCH AS PROPANE GAS OR ADDITIONAL ELECTRIC METER SERVICE SHALL BE PROVIDED BY THE CONTRACTOR. SHOULD CONTRACTOR DISCONNECT ANY EXISTING UTILITIES FROM A PORTION OR PORTIONS OF THE BUILDING DURING CONSTRUCTION AND REQUIRE ADDITIONAL UTILITIES TO BE PROVIDED FOR TEMPORARY HEAT, LIGHTING, ETC., THIS COST SHALL BE BORNE BY THE CONTRACTOR.
- THE CONTRACTOR SHALL INSTALL TEMPORARY ENCLOSURES, DUST BARRIERS, AND EGRESS DOORS AS REQUIRED FOR CONTROL OF SOUND, DUST AND SEPARATION OF STUDENT POPULATION FROM CONSTRUCTION AREAS. THE CONTRACTOR SHALL REFER TO SPECIFICATIONS FOR ADDITIONAL SAFETY MEASURES AND TEMPORARY ENCLOSURES.
- THE CONTRACTOR SHALL NOTIFY THE OWNER TWO (2) WEEKS PRIOR TO ANY ANTICIPATED UTILITY OUTAGES.
- ALL WORK TO BE COMPLETED WITHIN AREAS OF THE BUILDING THAT ARE TO REMAIN OPEN SHALL BE COORDINATED WITH THE OWNER AND BUILDING OCCUPANTS.
- THE MEANS OF EGRESS MUST BE MAINTAINED FROM ALL OCCUPIED PORTIONS OF THE FACILITY AT ALL TIMES TO THE SATISFACTION OF THE LOCAL BUILDING CODE ENFORCEMENT OFFICIALS AND THE OWNER.
- MINOR DEMOLITION AND RENOVATION MAY NOT OCCUR IN AN OCCUPIED AREA DURING OPERATING HOURS, BUT MAY OCCUR AFTER HOURS AND DURING UNOCCUPIED HOURS. SUCH WORK MUST BE SCHEDULED WITH THE OWNER A MIN. OF (2) WEEKS IN ADVANCE.

PHASING NOTES (CONT.)

8. INTERRUPTION OF ANY OF THE BUILDING UTILITIES MAY ONLY OCCUR AFTER HOURS, DURING UNOCCUPIED PERIODS OR DURING HOLDINGS OR SCHEDULED VACATIONS. FULL SERVICE MUST BE RESTORED TO OCCUPIED AREAS OF THE FACILITY PRIOR TO RE-OCCUPANCY.

9. NO CONDITIONS WILL BE PERMITTED WHICH, IN THE OPINION OF THE OWNER, CODE OFFICIAL, OR THE ARCHITECT CONSTITUTE AN UNSAFE CONDITION OR HAZARD TO THE OCCUPANTS OR CONTINUE USE OF THE FACILITY.

10. THE CONTRACTOR SHALL PROVIDE AND MAINTAIN ALL SIGNAGE AND TRAFFIC CONTROL DEVICES REQUIRED THROUGH AND AROUND THE SITE. COORDINATE WITH THE OWNER.

11. CONTRACTOR IS RESPONSIBLE FOR KEEPING THE SITE SECURE AND SAFE AT ALL TIMES.

12. TEMPORARY PEDESTRIAN ROUTES SHALL BE ADA ACCESSIBLE.

13. ALL EXISTING DRIVES SHALL REMAIN OPEN WHILE SCHOOL IS IN SESSION.

14. APPROXIMATE SCHEDULE FOR HART CO. SCHOOLS: (SCHEDULE IS SUBJECT TO CHANGE. COORDINATE WITH OWNER)

DATE	SCHEDULE
AUGUST 15, 2023	FACILITY PROFESSIONAL DEVELOPMENT ON-SITE.
AUGUST 22, 2023	STUDENT'S COMMENCE NORMAL WEEKDAY CLASSROOM SCHEDULE.
SEPTEMBER 4, 2023	HOLIDAY.
SEPTEMBER 22, 2023	EARLY RELEASE OF STUDENTS AND FACULTY.
OCTOBER 24, 2023	FALL BREAK FOR STUDENTS AND FACULTY.
OCTOBER 26, 2023	EARLY RELEASE OF STUDENTS AND FACULTY.
NOVEMBER 7, 2023	FACILITY PROFESSIONAL DEVELOPMENT ON-SITE.
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PHASE 3 - GANG RESTROOMS RENOVATION

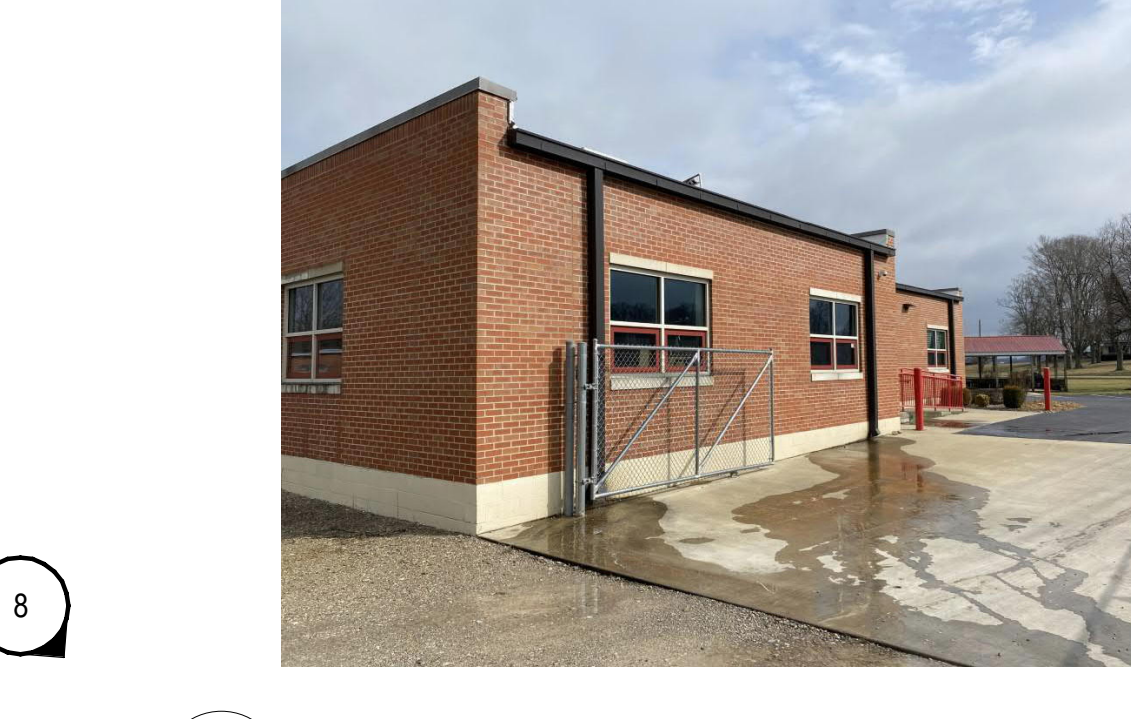
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PHASE 3 - RENOVATION

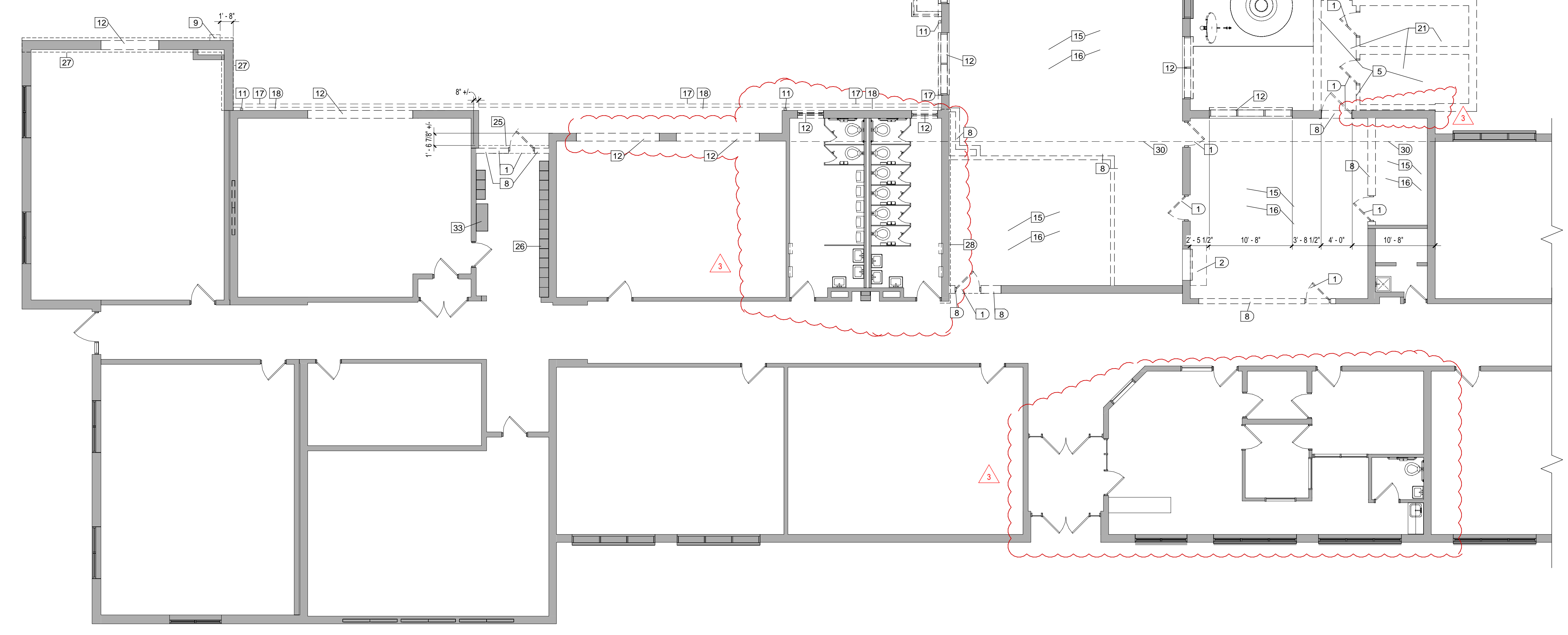
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8 Existing Photo - G
1/4" = 1'-0"



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



6 Existing Photo - E
NTS



4 Existing Photo - C
NTS



3 Existing Photo - B
NTS



2 Existing Photo - A
NTS



7 Existing Photo - F
NTS



5 Existing Photo - D
NTS

DEMOLITION KEYNOTES

NOTE: SEQUENCE OF DEMOLITION WILL BE AFFECTED BY REQUIRED PROJECT PHASING. THE CONTRACTOR IS RESPONSIBLE TO COORDINATE ALL WORK FOR MINIMAL DISRUPTION TO THE OWNER AND THE NORMAL USE OF THE BUILDING. SEE PHASING NOTES THIS SHEET.

NOTE: ALL KEYNOTES MAY NOT APPLY TO THIS SHEET.

- DOOR/ FRAME/ HARDWARE ASSEMBLY TO BE REMOVED.
- ROLL-UP SHUTTER ASSEMBLY TO BE REMOVED.
- RECEPTION COUNTER AND WALL TO BE REMOVED.
- CONCRETE SLAB TO BE REMOVED. SAW CUT EDGE OF SLAB TO REMAIN.
- METAL BUILDING ADDITION ASSEMBLY (STRUCTURE, SYSTEMS AND FINISHES) TO BE REMOVED ENTIRELY. SELECTIVELY DEMOLISH TO PROTECT ADJACENT CONSTRUCTION TO REMAIN. MAINTAIN A WATERTIGHT AND SECURE BUILDING ENVELOPE.
- STOOP, STEPS AND RAILING ASSEMBLY TO BE REMOVED.
- AREAWAY (STEPS) / RAILING ASSEMBLY TO REMAIN. PROTECT.
- WALL TO BE REMOVED AS REQUIRED FOR NEW OPENING. WHERE WALLS ARE BEING REMOVED ENTIRELY OR AT NEW DOOR OPENINGS REMOVE WALL TO 8" BELOW FINISHED FLOOR. WHERE WALLS ARE BEING REMOVED AND BEING REBUILT IN THE SAME PLACE, REMOVE WALL TO FINISH FLOOR.
- CONDUCTOR HEAD, DOWNSPOUT AND SPLASHBLOCK TO BE REMOVED.
- SELECT DEMOLISH TOP PORTION OF CHIMNEY AND FLUE ASSEMBLY TO 8" BELOW ROOF. PROVIDE TEMPORARY WEATHERTIGHT CAP.
- DOWNSPOUT AND SPLASHBLOCK TO BE REMOVED.
- REMOVE WINDOW, STONE SILL AND TRIM COMPLETELY. PREPARE OPENING FOR NEW WORK.
- CONCRETE STEPS & RAILINGS TO REMAIN. PROTECT.
- SALVAGE EXISTING STONE WINDOW SILLS. DELIVER SURPLUS MATERIAL TO OWNER'S IN-COUNTY STORAGE FACILITY.
- CEILING ASSEMBLY TO BE REMOVED.
- FLOORING AND BASE TO BE REMOVED. PROTECT ADJACENT FLOORING TO REMAIN. PREPARE SURFACES FOR NEW WORK.
- GUTTER ASSEMBLY TO BE REMOVED.
- ROOF OVERHANG TO BE SPECULATIVELY DEMOLISHED TO ALIGN WITH EXTERIOR FACE OF WALLS BELOW.
- CONCRETE AREAWAY ASSEMBLY TO BE REMOVED. REFER ALSO TO MECHANICAL.
- DOOR AND HARDWARE TO BE REMOVED. FRAME TO REMAIN. PROTECT.
- REMOVE SLABS/FOOTINGS/WALLS/ROOF OF EXISTING COOLER/FREEZER/CORRIDOR CONSTRUCTION.
- TOILET PLUMBINGS TO BE REMOVED.
- TOILET ACCESSORIES TO BE REMOVED.
- GAS METER TO REMAIN. PROTECT.
- REMOVE STOOP. SAW CUT EDGE AT EXISTING TO REMAIN.
- EXISTING LOCKERS TO REMAIN. PROTECT.
- REMOVE METAL COPING AT PARAPET ABOVE. REFER TO ROOF PLAN, SHEET A1.3.
- REMOVE SPRAY FOAM ROOFING, GUTTER AND DOWNSPOUT. REFER TO ROOF PLAN, SHEET A1.3.
- REFER TO MEP FOR LOUVER REMOVAL IN BASEMENT. REFER ALSO TO STRUCTURAL FOR INFILL OF FORMER LOUVER OPENING.
- EDGE OF BASEMENT BELOW, SHOREBRACE BASEMENT DECKING AND WALLS AS REQUIRED.
- BASE, WALL CABINETS AND SINK TO REMAIN. PROTECT.
- REMOVE STOREFRONT.
- DISPLAY CASE, REMOVE AND RELOCATE AFTER CONSTRUCTION AS DIRECTED BY OWNER.

GENERAL NOTES

- GN-1 (N.L.C.) MEANS NOT IN CONTRACT. TO BE PROVIDED BY OWNER AND INSTALLED BY OWNER.
- GN-2 DO NOT SCALE DRAWINGS. WRITTEN DIMENSIONS TAKE PRECEDENCE OVER SCALED DIMENSIONS.
- GN-3 MASONRY DIMENSIONS ARE NOMINAL. EXTERIOR WALL DIMENSIONS ARE TO EXTERIOR SIDE OF FACE BRICK.
- GN-4 REFER TO ENLARGED PLANS FOR DIMENSIONS NOT SHOWN ON 1/8" SCALE PLANS.
- GN-5 CONTINUOUS SEALANT (AND BACKER ROD AS REQ'D FOR PROPER JOINT INSTALLATION) SHALL BE INSTALLED BETWEEN ALL INTERFACES OF MASONRY, HOLLOW METAL AND ALUMINUM FRAMING, FRP, GYPSUM BOARD, METAL SOFFIT PANELS AND OTHER MATERIALS CHANGES WHETHER SPECIFICALLY INDICATED AT ALL LOCATIONS OR NOT. BACKER ROD SHALL BE USED BEHIND ALL SEALANT CONDITIONS [TYPICAL]. WHERE SPECIFIC CONDITIONS DO NOT ALLOW BACKER ROD TO BE USED, A BOND BREAKER SHALL BE USED AT THE BACK OF THE JOINT.
- GN-6 AT ALL BASE LOCATIONS, CONTRACTOR TO INSTALL NON-BULLNOSE CMU AT FIRST COURSE OF MASONRY.
- GN-7 ALL CONCEALED WOOD FRAMING AND PLYWOOD SHALL BE FIRE-RETARDANT TREATED (FRT) EXCEPT THAT NON-FRT BLOCKING, NAELERS AND FURRING MAY BE USED WHERE INSTALLED IN ACCORD WITH KBC SECTION 903.3 (INCLUDING DIMENSIONAL WOOD BLOCKING, FIRE BLOCKING, REQUIREMENTS, ETC.). WOOD BLOCKING INSTALLED IN ACCORD WITH KBC SECTION 603, PARAGRAPH 12 FOR HANDRAILS, MILLWORK, CABINETS, WINDOWS AND DOORS IS NOT REQUIRED TO BE F.R.T. AT CORNERS AND ROOFING TERMINATIONS ALL BLOCKING SHALL BE PRESSURE TREATED (PT). WHERE WOOD BLOCKING IS IN CONTACT WITH CMU, OR CONCRETE, SUCH BLOCKING SHALL BE PRESSURE TREATED. SEE GENERAL NOTES GN-8, GN-9 AND GN-10 FOR SPECIAL REQUIREMENTS AT P.T. WOOD.
- GN-8 ALL WOOD BLOCKING AND NAELERS IN CONTACT WITH CONCRETE OR MASONRY SHALL BE PRESSURE PRESERVATIVE TREATED (P.T.)
- GN-9 ALL P.T. WOOD SHALL BE SEPARATED FROM CONTACT WITH ANY METAL COMPONENTS WITH SELF ADHERING ELASTOMERIC MEMBRANE FLASHING OR OTHER SIMILAR PERMANENT MEANS.
- GN-10 ALL ANCHORS AND FASTENERS IN CONTACT WITH P.T. WOOD SHALL BE STAINLESS STEEL OR G90 HOT DIPPED GALVANIZED, MINIMUM.
- GN-11 CONTRACTOR SHALL PROVIDE ALL CONCEALED BLOCKING REQUIRED FOR ATTACHMENT AND SUPPORT OF EQUIPMENT, FIXTURES, WINDOWS, ETC.
- GN-12 GYPSUM CEILING BOARD SHALL BE USED AT ALL HORIZONTAL APPLICATIONS OF GYPSUM BOARD.
- GN-13 REFER TO STRUCTURAL DRAWINGS FOR TYPES, SIZE, LOCATION, CONNECTIONS, REINFORCEMENT AND OTHER REQUIREMENTS PERTAINING TO STRUCTURAL COMPONENTS INDICATED.
- GN-14 REFER TO STRUCTURAL DRAWINGS FOR UNTEL. SCHEDULE. WHERE STEEL PLATES ARE A PART OF UNTELS, FACE OF UNTEL SHALL BE INSET 1/2" FROM FACE OF CMU AND /OR MASONRY VENEER. INSTALL SEALANT IN LIEU OF MORTAR TO CONCEAL UNTEL EDGE. ALL RELIEF ANGLES AND EXPOSED COMPONENTS OF STEEL UNTELS, BRACKETS, AND SUPPORTS IN EXTERIOR WALLS SHALL BE HOT DIPPED GALVANIZED. ALL EXPOSED PORTIONS OF UNTELS AND SUPPORTS SHALL BE PAINTED, TYPICAL.
- GN-15 VERIFY REQUIRED DEPTH OF ALL RECESSED SLABS WITH APPROPRIATE MANUFACTURER PRIOR TO PLACEMENT OF SLAB.
- GN-16 REFER TO MECHANICAL DRAWINGS FOR ALL FLOOR DRAIN LOCATIONS. TOP OF FLOOR DRAIN ELEVATIONS ARE TYPICALLY 1" LESS THAN TYPICAL FLOOR ELEVATION, U.O.
- GN-17 LC-BEADS SHALL BE USED AT ALL GYPSUM BOARD TERMINATIONS, TYPICAL. CORNER BEADS SHALL BE USED AT ALL GYPSUM BOARD OUTSIDE CORNERS, TYPICAL. AT ALL LC-BEADS, CORNER BEADS, AND METAL REVEALS TRIM FLANGES SHALL BE PAINTED AND FINISHED TO PRODUCE A MONOLITHIC GYPSUM BOARD FINISH OVER THE FLANGE TO THE FINISHED SURFACE.
- GN-18 PAINTED ACCESS PANELS SHALL BE PROVIDED AND INSTALLED WHERE REQUIRED TO MAINTAIN CONCEALED ELECTRICAL AND MECHANICAL SYSTEMS WHETHER INDICATED ON THESE DRAWINGS OR NOT. LOCATIONS SHALL BE APPROVED BY THE ARCHITECT.
- GN-19 SAVICUT ALL NON-LOAD-BEARING MASONRY SO AS TO MAINTAIN A 3/8" SOFT JOINT BETWEEN TOP OF MASONRY AND BOTTOM OF STRUCTURE.
- GN-20 CONTACT BETWEEN DISSIMILAR METALS SHALL BE SEPARATED WITH BUTYL TAPE.
- GN-21 APPLY WATER REPELLANT / SEALER AT ALL NEW EXTERIOR FACE BRICK AT EXTERIOR OF ROOMS 156, 159, 160, 162 AND 163. PRESSURE CLEAN ALL EXISTING BRICK AND APPLY WATER REPELLANT / SEALER ON BOTH NEW AND EXISTING BRICK FULL HEIGHT AND LENGTH.

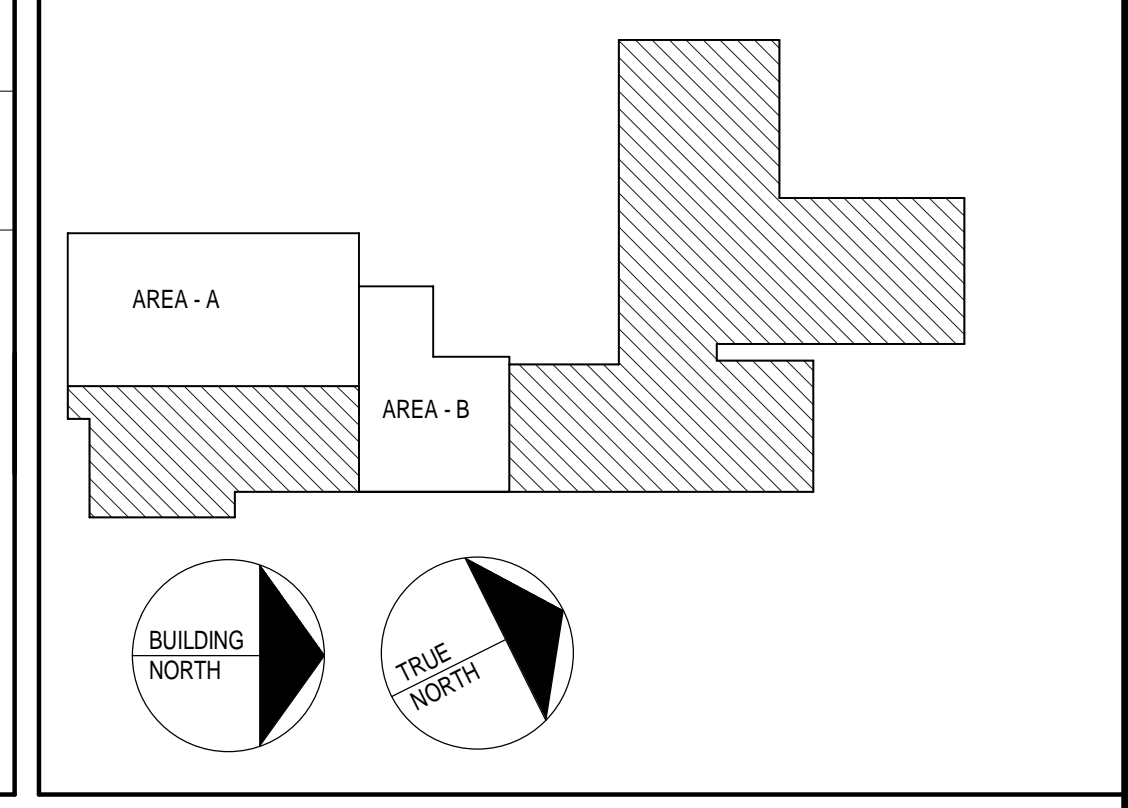
ALTERNATES

- ALT. NO. 1: CAFETERIA FLOORING TO BE PREMIUM VINYL TILE AND BASE (NOT TERRAZZO).
- ALT. NO. 2: PROVIDE OWNER-PREFERRED SLOPE AUTO FLUSH-VALVES TO WATER CLOSETS.
- ALT. NO. 3: PROVIDE OWNER-PREFERRED BEST LOCKS TO DOOR HARDWARE
- ALT. NO. 04: PROVIDE OWNER-PREFERRED RELIABLE CONTROLS BY AUTOMATIC BUILDING CONCEPTS FOR CONTROLS.
- ALT. NO. 05: PROVIDE NEW SPRAY FOAM ROOFING OVER RECOVERY BOARD OVER EXISTING MOISTURE BARRIER ROOFING.
- ALT. NO. 06: PROVIDE OWNER-PREFERRED ADVIDVA CCTV CAMERA EQUIPMENT ADD OR REDUCT TO IDENTIFY 3.
- ALT. NO. 07: PROVIDE OWNER-PREFERRED TELECOM SPEAKERS AND INTERCOM COMPONENTS ADD OR REDUCT TO IDENTIFY 3.
- ALT. NO. 08: PROVIDE OWNER-PREFERRED MONITORACCESS CONTROL COMPONENTS. ADD OR REDUCT TO IDENTIFY 3.

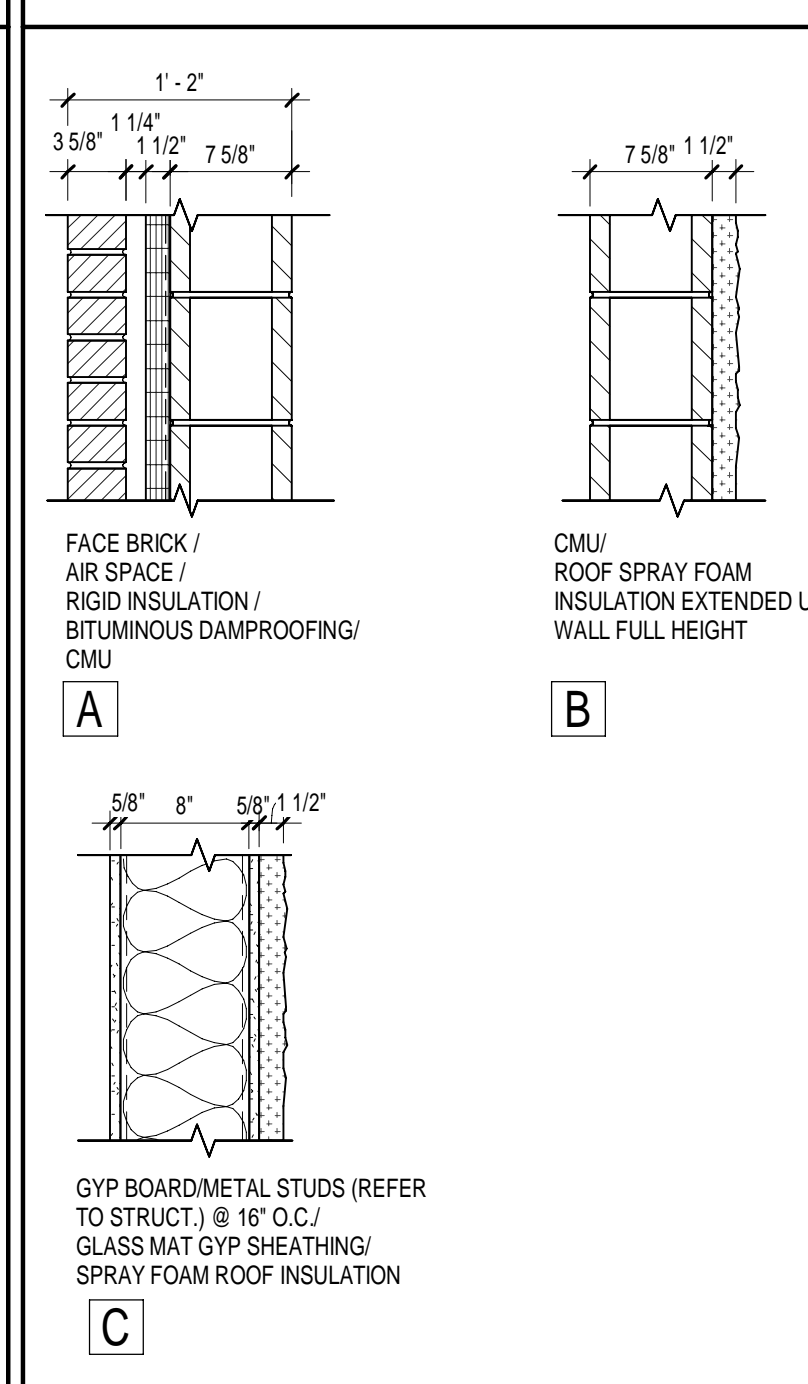
SYMBOLS LEGEND

	EXISTING CONSTRUCTION TO REMAIN. PROTECT.
	ROOM FINISH GROUPS (REFER TO SHEET A0.0)
	ROOM NUMBER
	DOOR NUMBER (DOOR SCHEDULE SHEET A4.1)
	DEMOLITION WORK KEY NOTES (SHEET D1.0)
	NEW WORK KEY NOTES (SHEETS A1.1 - A1.2)
	WALL TYPE (SCHEDULE SHEET A0.0)
	ALUMINUM OR HOLLOW METAL WINDOW OR STOREFRONT TYPE (REFER TO FLOOR PLANS AND SCHEDULE SHEET A4.1)
	TOILET ACCESSORIES (SCHEDULE SHEET A1.1)
	ELEVATION KEY NOTE (SHEET A1.1)
	ROOF KEY NOTE (SHEET A1.3)
	CEILING PLAN KEY NOTE (SHEET A3.1)
	SIGNAGE KEY NOTE (SHEETS A0.0 AND A1.0)
	FIRE EXTINGUISHER CABINET. REFER TO DTLS. THIS SHEET.
	MARKER BOARD
	TACK BOARD
	CONTROL JOINT (SHEET A3.1)
	DRINKING FOUNTAIN
	WINDOW SHADES

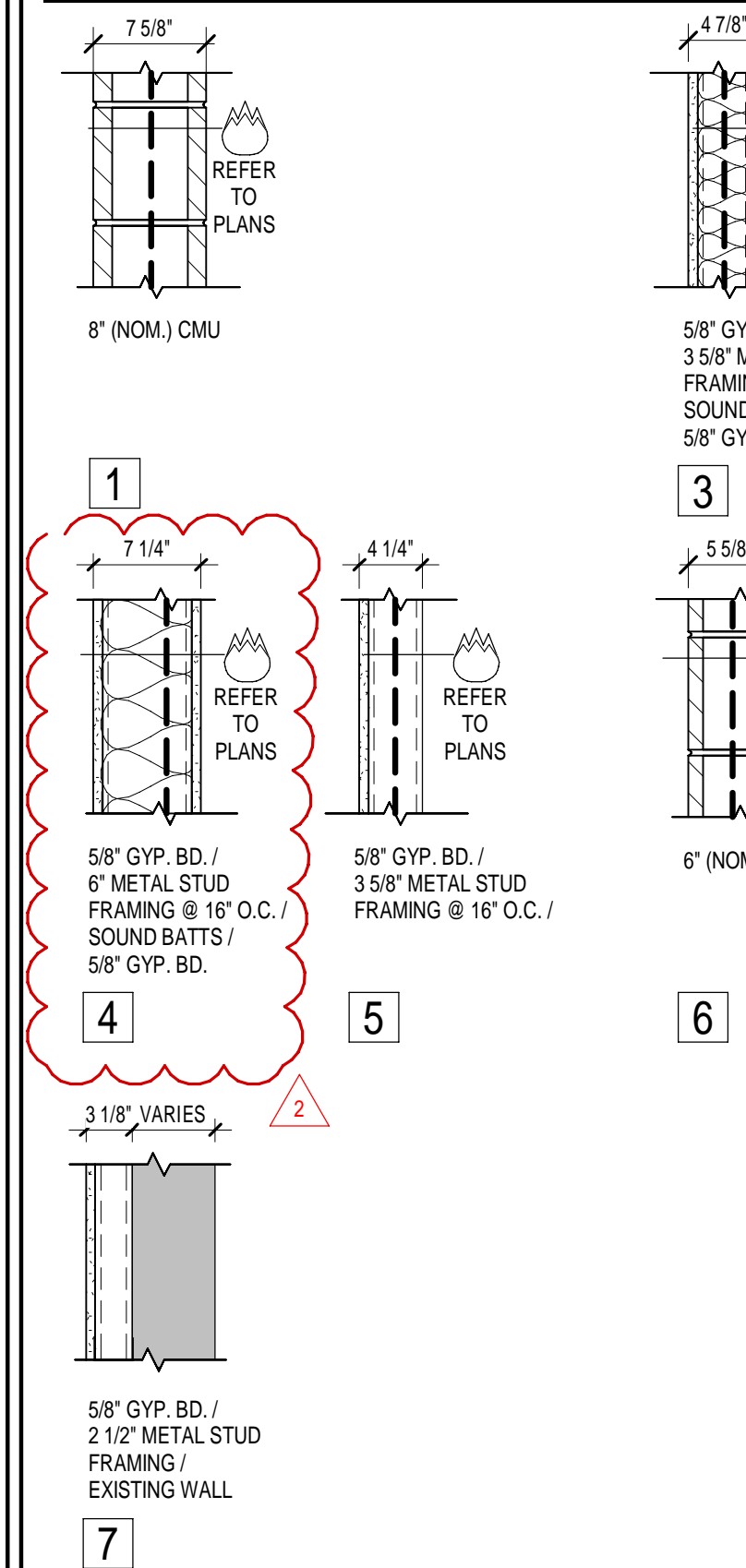
KEY PLAN



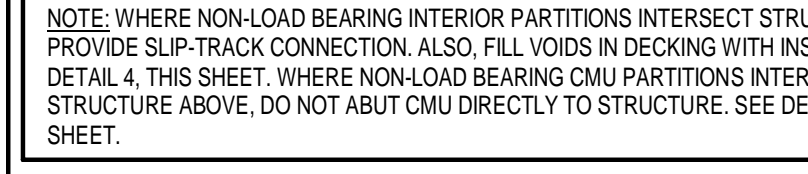
WALL / PARTITION TYPES



EXTERIOR WALL TYPES



INTERIOR WALL TYPES



ROOM FINISH GROUPS

GENERAL NOTES:

- WHERE MORE THAN ONE FINISH IS LISTED REFER TO PLANS, SECTIONS, INTERIOR ELEVATIONS AND DETAILS.
- REFER TO TYPICAL FLOOR TRANSITION / THRESHOLD CONDITIONS, THIS SHEET.
- REFER TO REFLECTED CEILING PLAN, SHEET A3.1 FOR CEILING INFORMATION.
- REFER TO MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION AT CEILINGS.
- PAINTING SHALL BE BY CONTRACTOR.
- CONTRACTOR SHALL PREPARE ALL NEW AND EXISTING SURFACES TO RECEIVE PAINT (I.E. DRYWALL, FINISHING, BLOCK FILLER, ETC.)
- AT AREAS OF WORK ON EXISTING FINISHES THE CONTRACTOR IS TO CLEAN ALL SURFACES AND PREP/FINISH AS RECOMMENDED BY MANUFACTURER.

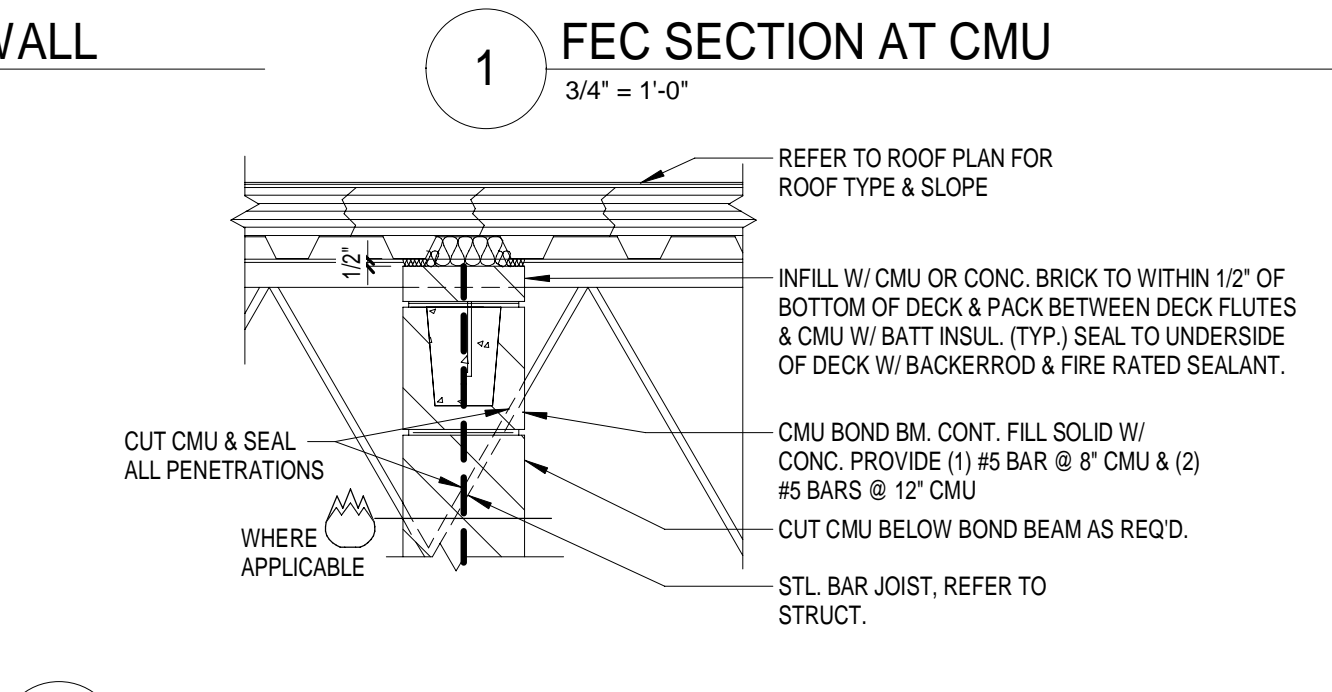
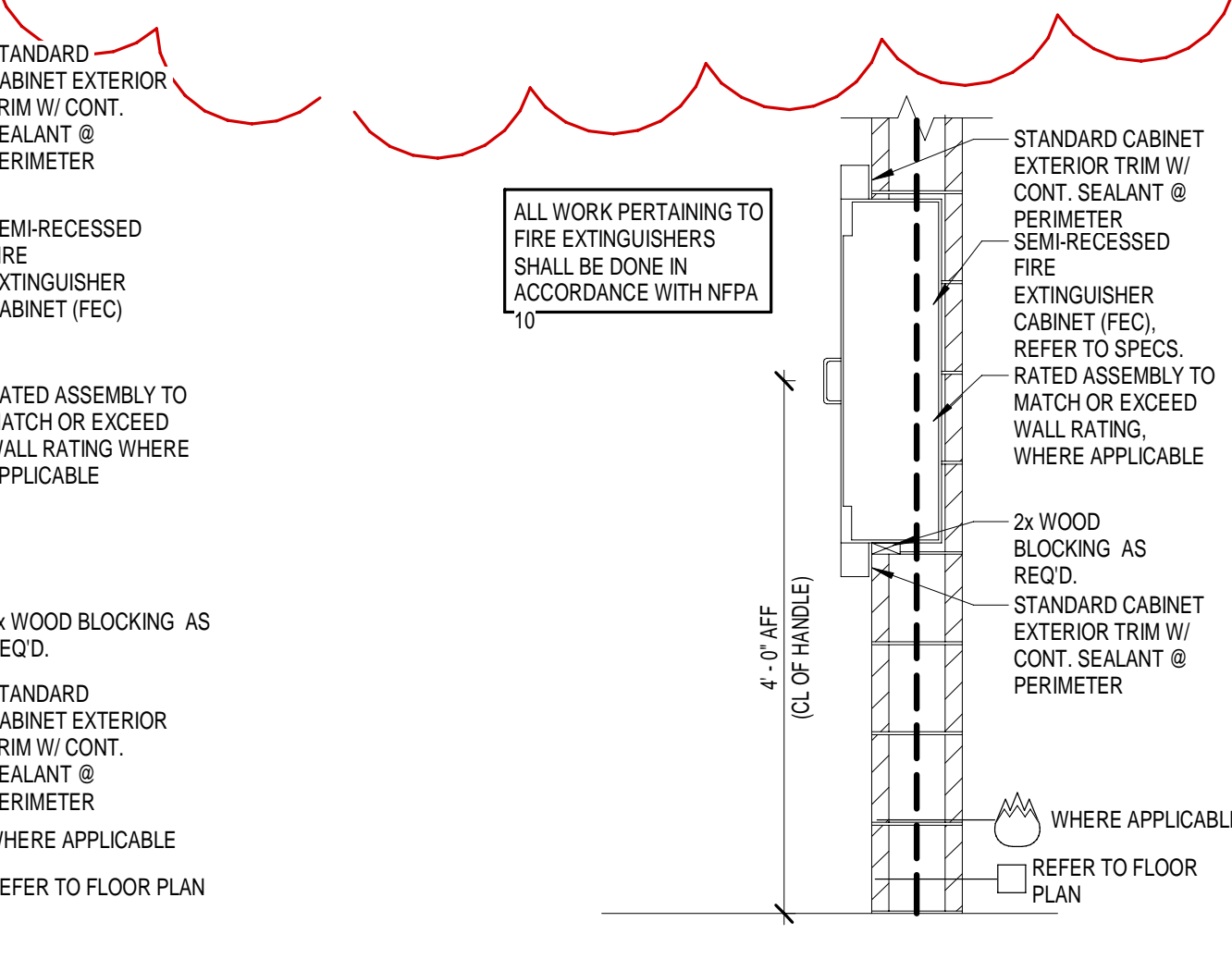
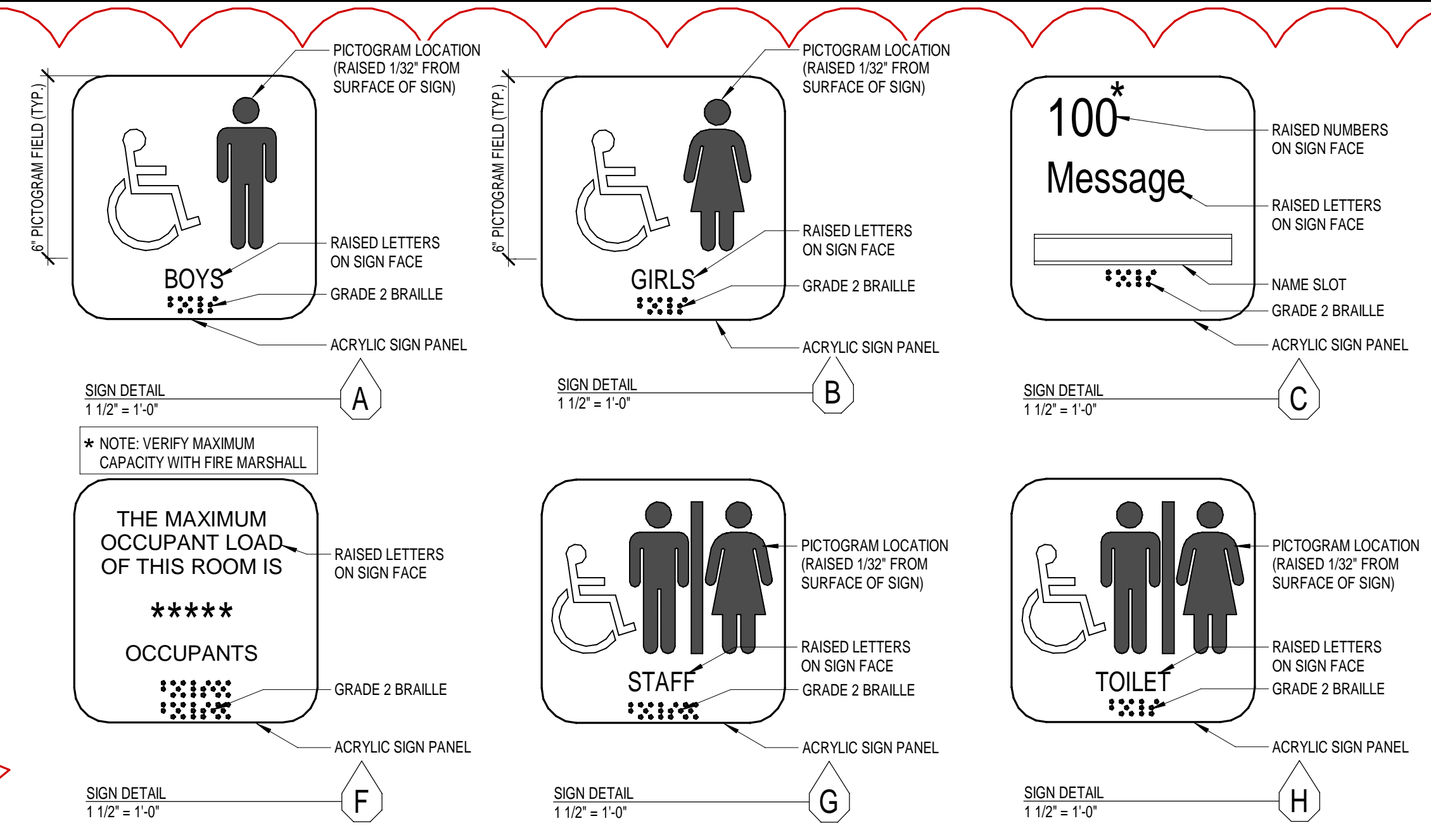
(XXX) 01	FLOOR:	STANDARD VCT TILE	WALL:	VINYL PAINT
(XXX) 02	FLOOR:	PORCELAIN TILE	WALL:	PORCELAIN TILE (PORCELAIN TILE FULL HEIGHT THROUGHOUT)
(XXX) 03	FLOOR:	STANDARD VCT TILE	WALL:	VINYL PAINT (EXISTING BRICK AND NEW/EXISTING CMU)
(XXX) 04	FLOOR:	NO WORK	WALL:	NO WORK
(XXX) 05	FLOOR:	STANDARD VCT TILE	WALL:	VINYL PAINT
(XXX) 06	FLOOR:	SEALED CONCRETE	WALL:	PAINTED BASE - 8" TALL PAINT
(XXX) 07	FLOOR:	QUARRY TILE EXCEPT AT RECESSED SLAB FOR WALK-IN COOLER AND FREEZER	WALL:	QUARRY TILE CMU BLOCK FILLER, PRIME & PAINT
(XXX) 08	FLOOR:	NO WORK	WALL:	NO WORK

GENERAL PARTITION TYPE NOTES

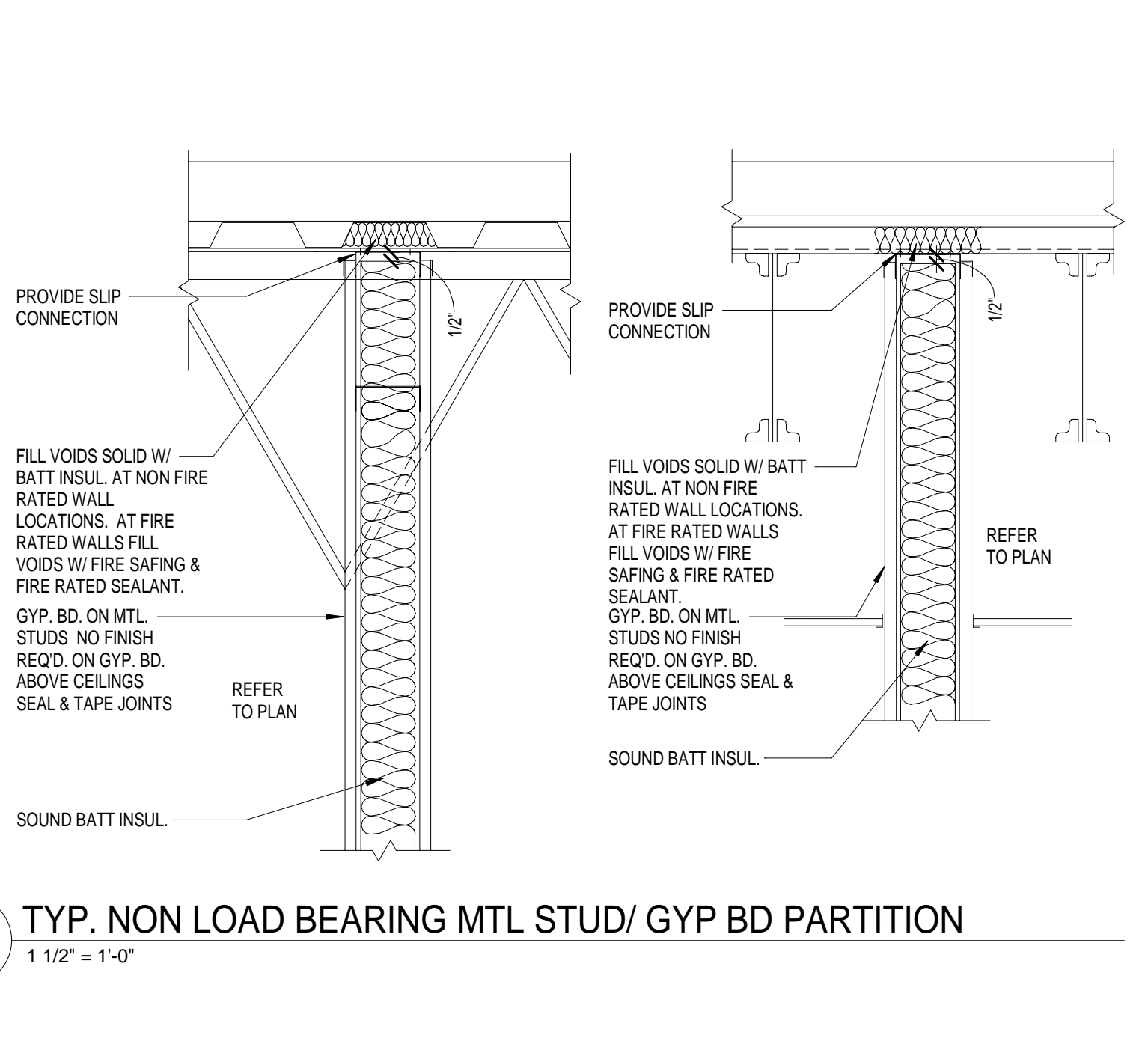
- P1 PARTITION TYPE. ALL WALLS TO BE EXTENDED FULL HEIGHT TO UNDERSIDE OF FLOOR OR DECK ABOVE, UNLESS NOTED OTHERWISE (SEE BELOW).
- SCHEDULED MASONRY WALL TO EXTEND A MIN. OF 4" OR NEXT BLOCK COURSE FROM HIGHEST ADJACENT CEILING (UNLESS NOTED OTHERWISE) AND EXTEND PARTITION TO UNDERSIDE OF DECK ABOVE WITH 3/8" METAL STUDS AT 16" O.C. SOUND BATT INSUL. 5/8" GYP. BD. BOTH SIDES.
- INDICATES HEIGHT A.F.F. OF SCHEDULED WALL.
- P2 ALL EXTERIOR WALLS ARE WALL TYPE [] — AND ALL INTERIOR PARTITIONS ARE WALL TYPE [] — UNLESS NOTED OTHERWISE.
- P3 INTERIOR WALL TYPES ARE IDENTIFIED BY NUMBER AND EXTERIOR WALL ASSEMBLY TYPES BY LETTER.
- P4 PROVIDE SPECIFIED CLOSURES AND INSTALL BETWEEN DECK FLUTES AND MASONRY OR DRYWALL PARTITIONS TO ACHIEVE FULL AND COMPLETE CLOSURE OF ALL VOIDS AT TOP OF WALLS INDICATED TO EXTEND FULL HEIGHT.
- P5 PARTITION TYPES SHALL MAINTAIN THEIR RESPECTIVE SEPARATION RATING (IF ANY) FOR FULL HEIGHT. ALL MECH., ELEC. AND PLUMBING PENETRATIONS SHALL BE SEALED (SAFED / DAMPERED AS REQUIRED TO COMPLY WITH APPLICABLE CODES).
- P6 NOT USED.
- P7 PROVIDE THE FOLLOWING CLOSURE MATERIALS AT TOP OF INTERIOR MASONRY AND METAL STUD WALLS AND PARTITIONS.
 - (a) FULL-HEIGHT NON-RATED WALLS: FILL VOIDS WITH BATT INSULATION.
 - (b) FULL-HEIGHT WALLS: FILL VOIDS WITH FIRE SAFING AND INSTALL BACKER ROD AND FIRE RATED SEALANT ON EACH SIDE OF WALL.
 - (c) FULL HEIGHT UNRATED INCIDENTAL USE SEPARATION PARTITIONS: FILL VOIDS WITH INSULATION AND INSTALL BACKER ROD AND SEALANT ON EACH SIDE OF WALL.
- P8 ALL DIMENSIONS ARE TO FACE OF STUDS, MASONRY, OR TO CENTERLINE OF STRUCTURAL STEEL, UNLESS NOTED OTHERWISE.
- P9 NOT USED.
- P10 REFER TO WALL SECTIONS AND MISCELLANEOUS DETAILS FOR WALL TRANSITIONS ABOVE ADJACENT ROOF LEVELS - I.E. BRICK LEDGES, CMU WIDTH AND WALL TYPE TRANSITIONS.
- P11 BULLNOSE CMU SHALL BE USED AT ALL OUTSIDE CORNERS.
- P12 ALL RUNNING BOND MASONRY SHALL BE INSTALLED WITH GALVANIZED HORIZONTAL MASONRY REINFORCEMENT AT EVERY OTHER VERTICAL MASONRY COURSE U.O.
- P13 REFER TO STRUCT. DWGS. FOR REQUIREMENTS AND LOCATIONS OF WALLS TO RECEIVE VERTICAL REINFORCING @ PARAPET WALLS
- P14 REFER TO STRUCTURAL AND ARCHITECTURAL DWGS. FOR OTHER REQUIREMENTS PERTAINING TO REINFORCED UNIT MASONRY.
- P15 PROVIDE SPECIFIED BRICK CAVITY VENTS AT 48" O.C. AT TOP OF WALL CAVITIES AND ABOVE MORTAR NET AT BOTTOM OF WALL CAVITIES TO ALLOW FOR PROPER VENTING OF WALLS.
- P16 CONCRETE MASONRY UNITS INSTALLED AT EXTERIOR WALLS SHALL RECEIVE APPLICATION OF SPECIFIED DAMP PROOFING ON CAVITY FACE, EXCEPT AT WALL RECEIVING SPRAY FOAM CAVITY INSULATION.
- P17 CONTRACTOR SHALL INSTITUTE ALL MEASURES NECESSARY TO ACHIEVE WEATHERTIGHTNESS OF EXTERIOR WALLS BY ALLOWING POSITIVE DRAINAGE OF WATER TO THE EXTERIOR WHERE FLASHING IS INDICATED OR REQUIRED.
 - (a) KEEP ALL CAVITIES FREE OF MORTAR.
 - (b) PROVIDE WEEPS ON TOP OF THRU-WALL FLASHING AT 16" O.C. HORIZONTAL AND DO NOT ALLOW THEM TO BECOME CLOGGED-OFF.
 - (c) PROVIDE SPECIFIED APPLICATION OF DAMPROOFING ON CAVITY FACE OF CONCRETE MASONRY UNIT, EXCEPT AT WALLS RECEIVING SPRAY FOAM INSULATION.
 - (d) TOOL ALL MORTAR JOINTS AT THE PROPER TIME TO CONSOLIDATE THE SURFACE AND REDUCE WATER INFILTRATION.
 - (e) REFER TO STRUCT FOR THE USE OF LIGHT-WEIGHT OR OTHER THAN THE SPECIFIED CONCRETE UNIT MASONRY BACK-UP AT SINGLE-WYTHE OR MONOLITHIC WALLS WILL NOT BE PERMITTED AT EXTERIOR WALLS.
 - (f) INSTALL MORTAR NETTING AT ALL THROUGH WALL FLASHING LOCATIONS.
 - (g) PRIOR TO APPLICATION OF DAMP-PROOFING, CONTRACTOR TO SEAL ALL CONTROL JOINTS, EXPANSION JOINTS & PENETRATIONS IN CMU.
 - (h) ALL THRU-WALL FLASHING TO EXTEND 1/2" MIN. BEYOND FACE BRICK. FLASHING TO BE TRIMMED FLUSH WITH FACE BRICK PER DIRECTION OF ARCHITECT.
- P18 INTERIOR MASONRY AND/OR GYPSUM BOARD EXPOSED TO VIEW SHALL BE PAINTED, UNLESS NOTED OTHERWISE. REFER TO ROOM FINISH GROUPS.
- P19 REFER TO ROOM FINISH GROUPS FOR BASE CONDITION.
- P20 AT EXTERIOR MASONRY WALLS, CMU SHALL BE EXTENDED TIGHT TO FLOOR AND/OR ROOF DECKS, INCLUDING AROUND ALL PENETRATIONS SUCH AS BEAMS, JOIST ENDS, AND ETC. FILLING VOIDS IN EXT. CMU BACK-UP WITH INSULATION IN LIEU OF A SOLID MASONRY ENCLOSURE SHALL NOT BE PERMITTED.
- P21 REFER TO PARTITION DETAILS THIS SHEET FOR SPECIFIC CONNECTION AND ATTACHMENT BRACING OF NON-LOAD BEARING INTERIOR PARTITION WALL TO STRUCTURE/ DECK ABOVE.
- P22 NOT USED.
- P23 WHERE GYP. ASSEMBLIES SPECIFIED AT WET WALL LOCATIONS, WATER RESISTANT GYPSUM BOARD TO BE INSTALLED.
- P24 METAL STUD FRAMED PARTITIONS, SOFFITS, ETC. TO BE LATERALLY BRACED TO UNDERSIDE OF ROOF FRAMING OR ADJACENT MASONRY WALLS AT 8'-0" O.C. MAX. U.N.O.
- P25 NON-REINFORCED, SINGLE-WYTHE, MASONRY PARTITION WALLS THAT ARE SCHEDULED TO STOP 4" ABOVE ADJACENT CLG. AND EXCEED 20'-0" UNBRACED LENGTH (I.E. INTERSECTING WALLS OR CORNERS) SHALL BE LATERALLY BRACED AT 8'-0" O.C. W/ 16 GA 6" METAL STUD FRAMING TO UNDERSIDE OF ROOF STRUCTURE ABOVE.
- P26 REFER TO DETAILS B AND 4 ON SHEET A0.0 FOR TYPICAL INTERIOR NON-LOAD BEARING FULL HT.
- P27 NOT USED.
- P28 NOT USED.
- P29 ALL INTERIOR MASONRY WALLS SHALL RECEIVE CONTROL JOINTS AT 20'-0" MAX. U.N.O.
- P30 SAWCUT ALL NON-LOAD-BEARING MASONRY SO AS TO MAINTAIN A 3/8" SOFT JOINT BETWEEN TOP OF MASONRY AND BOTTOM OF STRUCTURE.
- P31 EXTERIOR WALLS ARE TO BE SEALED "AIRTIGHT".
- P32 REFER TO SPECIFICATIONS FOR GYPSUM BOARD CONTROL JOINT SPACING REQUIREMENTS.
- P33 PROVIDE MECHANICAL RESTRAINT FOR INSULATION, AS REQUIRED TO MAINTAIN COMPLETE TIGHT FIT. WHERE INSULATION NOT RESTRAINED BY OTHER CONSTRUCTION.
- P34 PROVIDE CLOSED CELL NEOPRENE SILL PLATE GASKET BELOW STUD TRACKS AT ALL INTERIOR AND EXTERIOR STUD WALLS TO SEPARATE STUDS FROM CONCRETE.

SIGNAGE NOTES

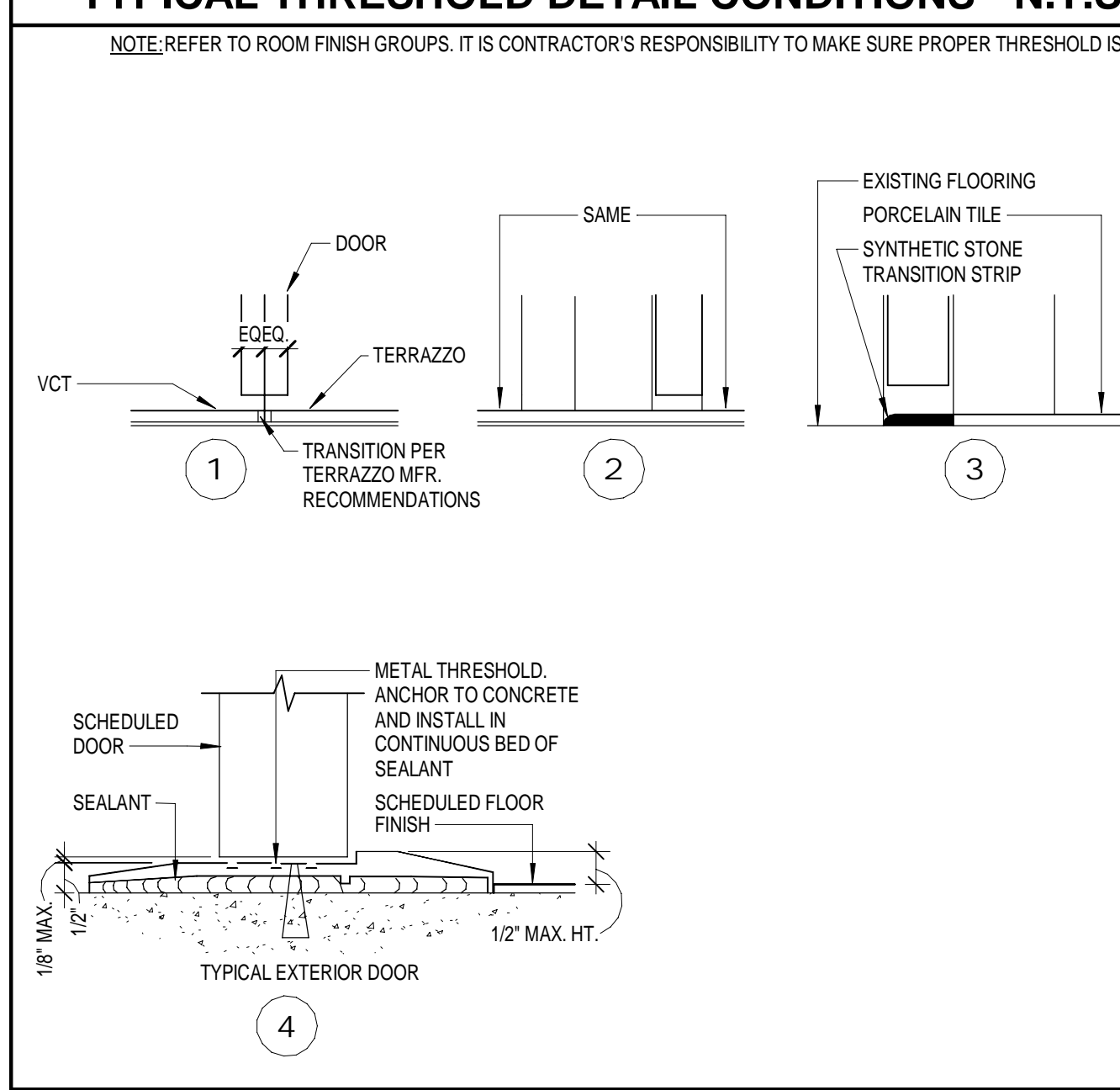
- CHARACTERS SHOWN ON THIS SHEET ARE COMPUTER GENERATED. SPACING OF CHARACTERS IS DIAGRAMMATIC. CORRECT "VISUAL" SPACING IS THE RESPONSIBILITY OF THE MANUFACTURER.
- PICTOGRAMS ARE SHOWN HEREIN FOR INFORMATION AND INTENT ONLY. MECHANICAL, CAMERA-READY ARTWORK SHALL BE SUPPLIED BY THE SIGNAGE CONTRACTOR.
- COLORS OF PANEL SIGNS TO BE SELECTED BY OWNER.
- UNLESS OTHERWISE NOTED, ALL SIGNS TO BE MOUNTED BESIDE DOORS AT 5'-0" A.F.F. TO CENTER OF SIGN AND 2" FROM EDGE OF DOOR FRAME ON THE STRIKE SIDE. THE ARCHITECT SHALL BE CONSULTED BEFORE PLACEMENT OF SIGNAGE FOR LEFT-HAND AND RIGHT-HAND ORIENTATION OF SIGNS.
- (*) ON SIGN DETAILS = THREE CHARACTER NUMBER TO BE SUPPLIED BY OWNER.
- ALL SIGNAGE SHALL MEET REQUIREMENTS OF ADAAG OF THE AMERICANS WITH DISABILITIES ACT (ADA) AND ICC (ANSI) A117.1-2009
- MESSAGE (COPY) TO BE DETERMINED BY OWNER.
- ALL SIGNS TO BE MINIMUM OF 8" INCREASE PANEL SIZE OVERALL DIMENSIONS AS NECESSARY TO ACCOMMODATE MESSAGE. MAINTAIN 3/8" TALL LETTERS.
- NOTE: ROOM NAMES AND NUMBERS SHOWN HERE ARE FOR CONSTRUCTION PURPOSES ONLY. FINAL ROOM NAMING AND NUMBERING FOR SIGNAGE SHALL BE PROVIDED BY OWNER.
- WHERE PANELS ARE INSTALLED UPON GLASS PROVIDE BLANK BACK-PLATE OF SAME COLOR ON OPPOSITE SIDE OF SIGN.



TYP. NON LOAD BEARING MTL STUD/ GYP BD PARTITION

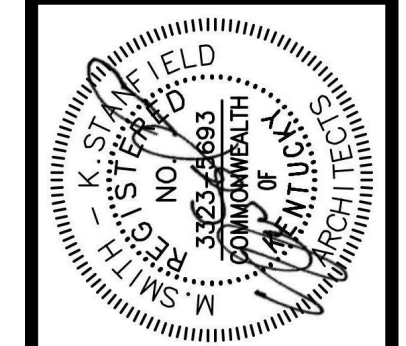


TYPICAL THRESHOLD DETAIL CONDITIONS - N.T.S.



SIGN DETAILS

3" = 1'-0"

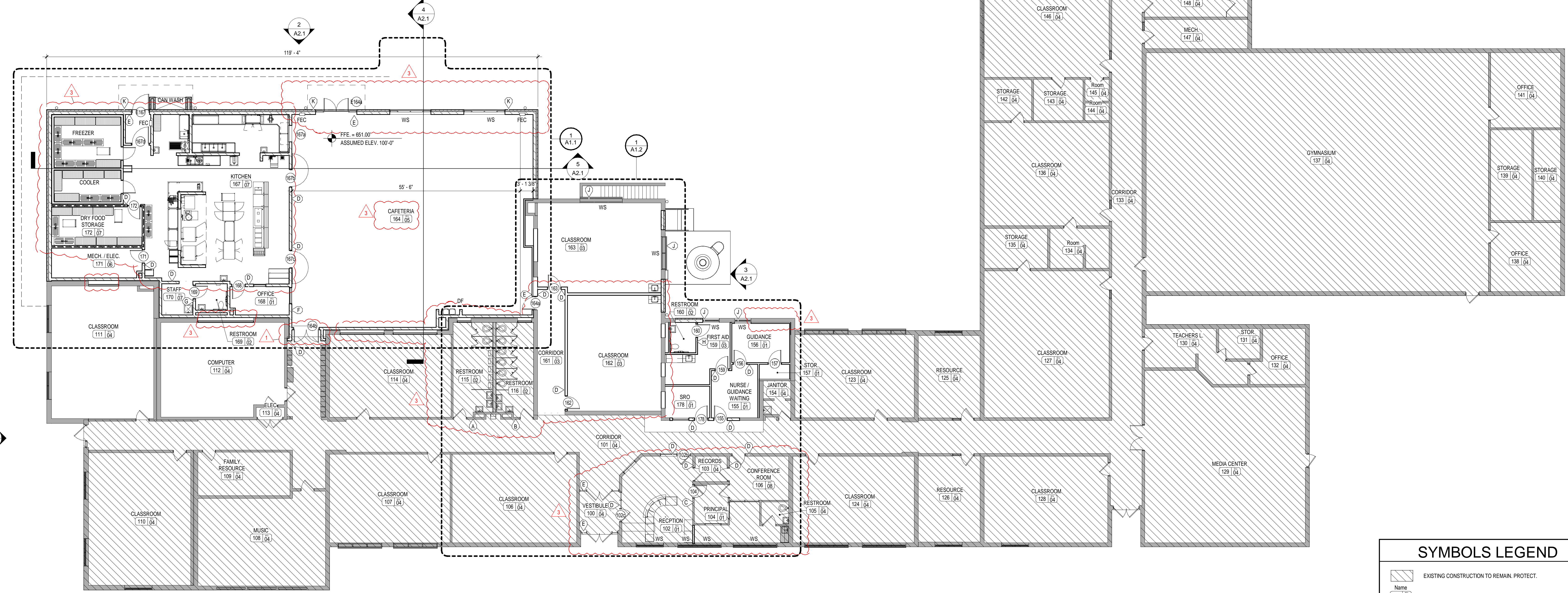


JOB NO.	2210
DATE	08 / 03 / 23
DRAWN	M.C.
CHECKED	TSS / BKL

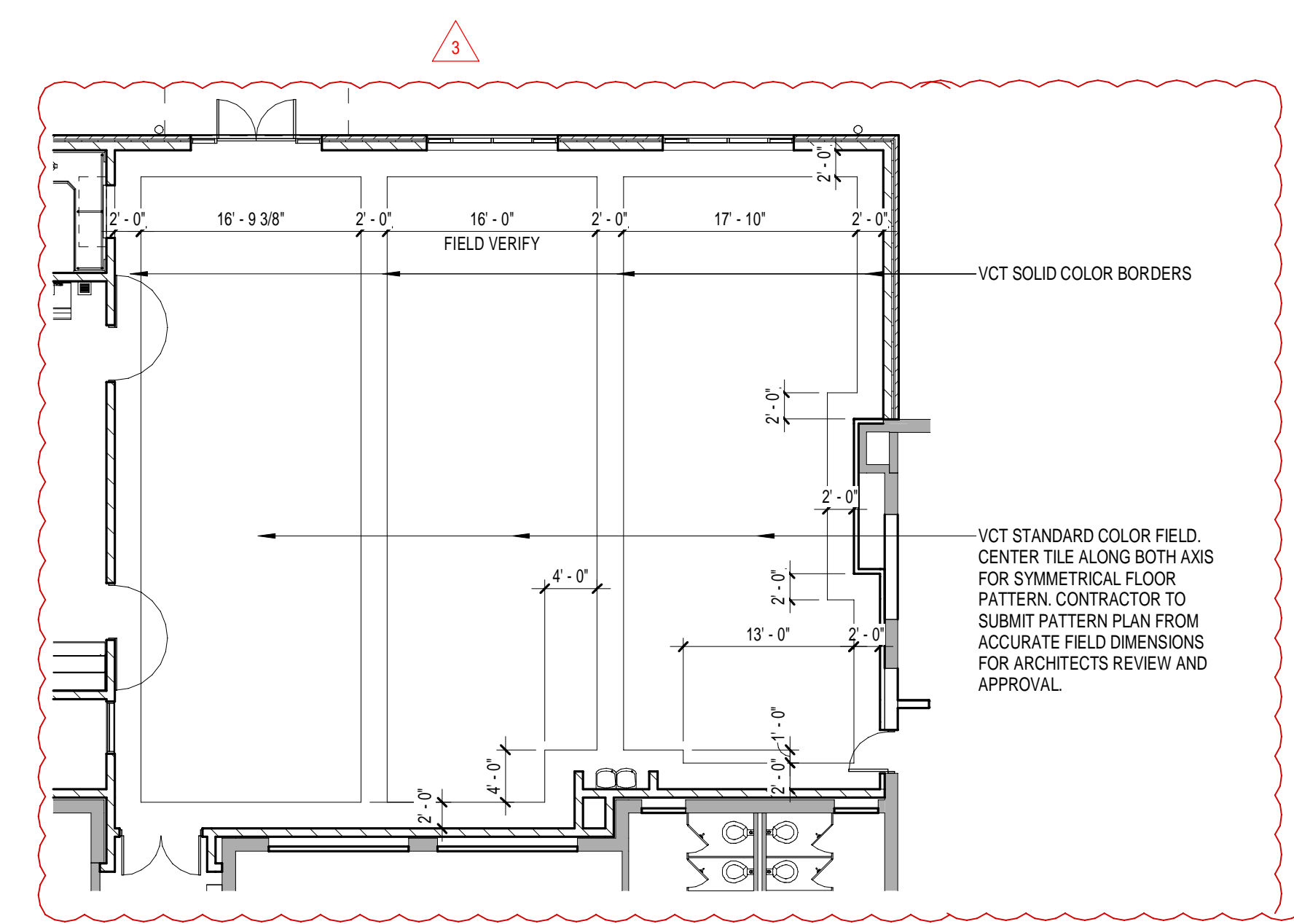
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REVISIONS		
No.	Description	Date
1	ADDENDUM #1	08-21-23
2	ADDENDUM #3	09-11-23

SHEET



1 FLOOR PLAN - OVERALL
3/32" = 1'-0"



2 FLOOR PATTERN PLAN ADD #3
3/32" = 1'-0"

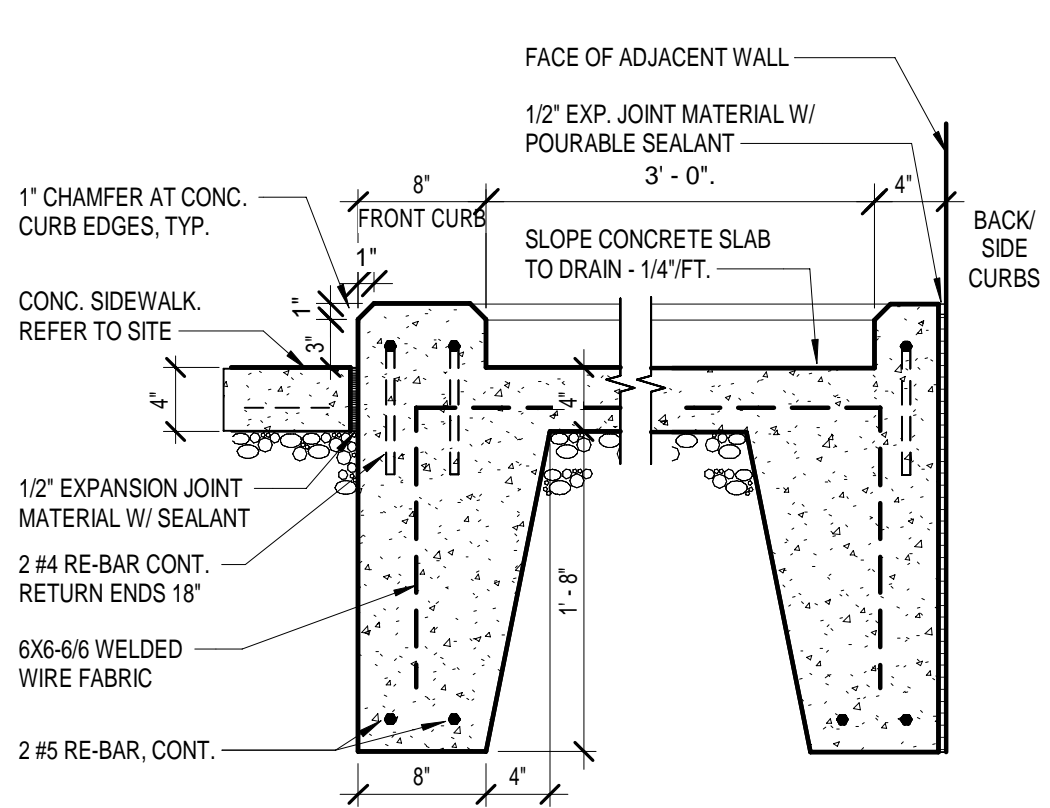
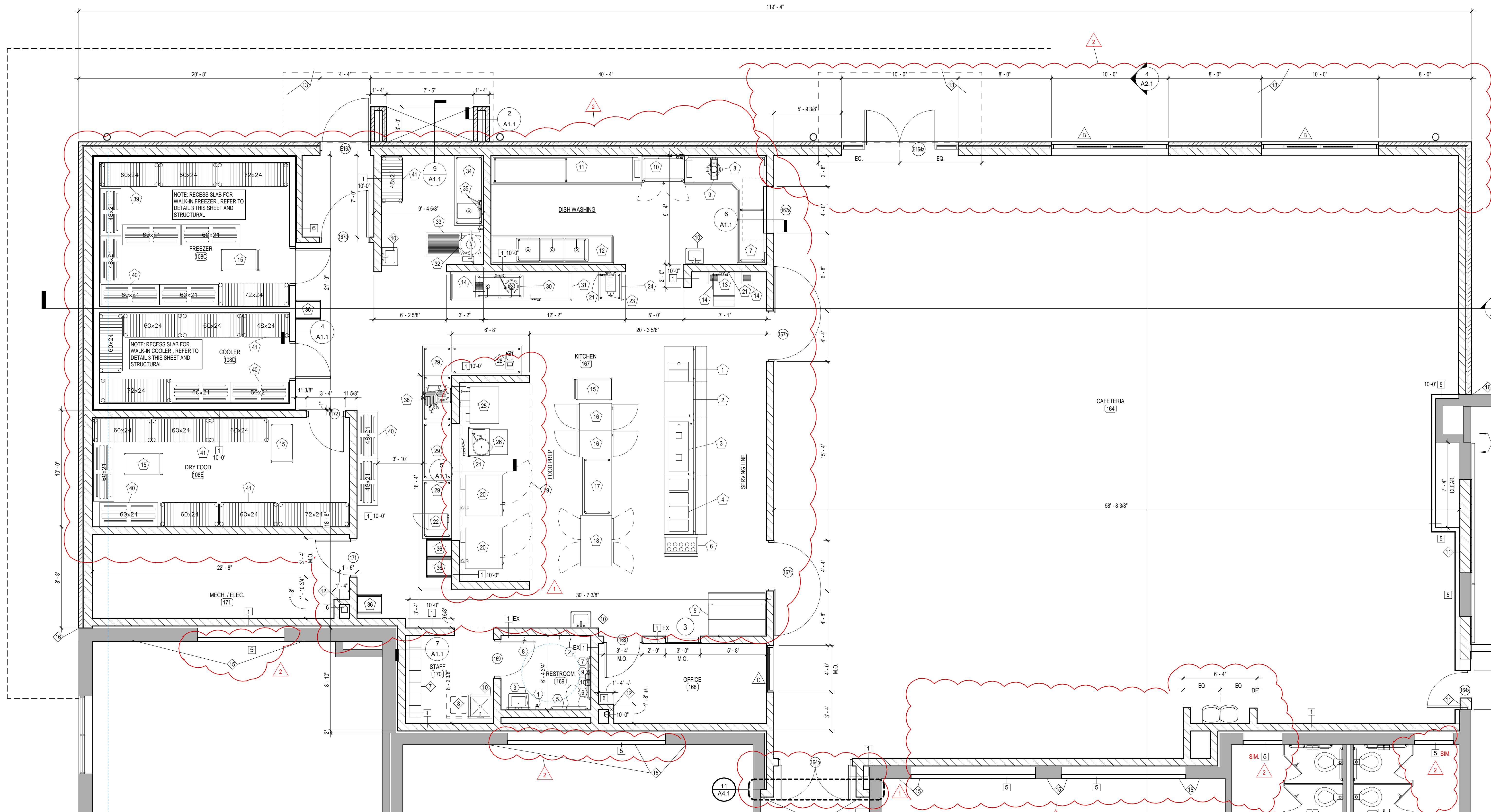
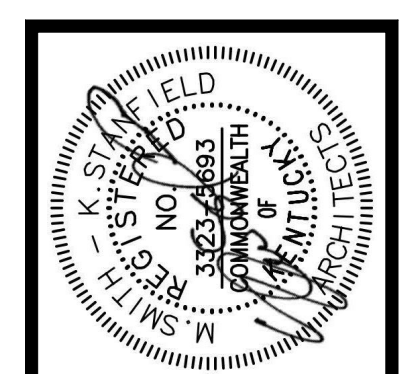
SYMBOLS LEGEND

- EXISTING CONSTRUCTION TO REMAIN, PROTECT.
- ROOM FINISH GROUPS (REFER TO SHEET A0.0)
- ROOM NUMBER
- DOOR NUMBER (DOOR SCHEDULE SHEET A4.1)
- DEMOLITION WORK KEY NOTES (SHEET D1.0)
- NEW WORK KEY NOTES (SHEETS A1.1 - A1.2)
- WALL TYPE (SCHEDULE SHEET A0.0)
- ALUMINUM OR HOLLOW METAL WINDOW OR STOREFRONT TYPE (REFER TO FLOOR PLANS AND SCHEDULE SHEET A4.1)
- TOILET ACCESSORIES (SCHEDULE SHEET A1.1)
- ELEVATION KEY NOTE (SHEET A1.2)
- ROOF KEY NOTE (SHEET A1.3)
- CEILING PLAN KEY NOTE (SHEET A3.1)
- SIGNAGE KEY NOTE (SHEETS A0.0 AND A1.0)
- FIRE EXTINGUISHER CABINET, REFER TO DTLS. THIS SHEET.
- MB MARKER BOARD
- TB TACK BOARD
- CJ CONTROL JOINT (SHEET A3.1)
- DF DRINKING FOUNTAIN
- WS WINDOW SHADES

KEY PLAN

AREA - A
AREA - B

BUILDING NORTH
TRUE NORTH



9 CAN WASH DETAIL
1" = 1'-0"

GENERAL NEW WORK NOTES

- REFER TO MECH./ELEC. DRAWINGS FOR SPECIFIC NOTES REGARDING MECH/ELEC ITEMS NOT SHOWN ON THIS SHEET.
- REFER TO ROOF PLAN AND MECH DRAWINGS FOR ADDITIONAL INFORMATION REGARDING WORK AT ROOF.
- REFER TO SHEET A0.0 FOR GENERAL NOTES AND PARTITION TYPES.
- REFER TO SHEET A1.1 FOR TOILET ACCESSORY SCHEDULE.
- REFER TO SHEET A1.1 FOR KITCHEN EQUIPMENT SCHEDULE.

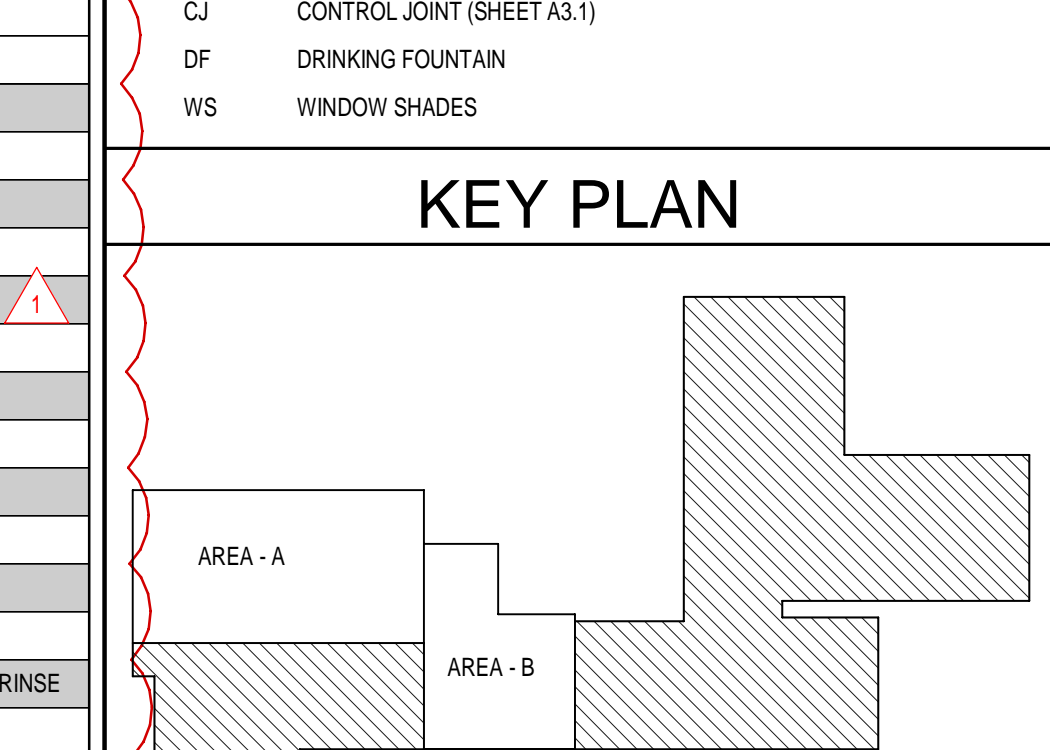
NEW WORK KEYNOTES

- NOTE: NOT ALL KEYNOTES MAY APPLY TO THIS SHEET.
- 1-4 NOT USED.
 - INFILL EXISTING GYP. BD. ON STUD WALL, MATCH EXISTING. PAINT ENTIRE WALL (INFILL AND EXIST) TO NEAREST CORNER, MATCH EXIST. COLOR.
 - INFILL EXISTING MASONRY OPENING WITH 4" CMU TOOTH-IN.
 - DOUBLE TIER METAL LOCKERS. ADD FILLER ENDS AS REQ'D FOR SYMMETRICAL INSTALLATION.
 - STACKED ADA COMPLIANT WASHER/DRYER BY OWNER.
 - TOILET PARTITION ASSEMBLY.
 - SINK, REFER TO PLUMBING.
 - INFILL EXISTING MASONRY OPENING WITH CMU TO MATCH ADJACENT. TOOTH-IN.
 - ROOF LEADER FROM ROOF DRAINS. PENETRATE WALLS AS NEEDED. CLOSE PENETRATIONS WITH BACKER ROD AND SEALANT.
 - CANOPY, REFER ROOF PLAN.
 - TOOTH-IN NEW CMU AT AREAS OF DEMOLITION.
 - PAINT ENTIRE WALL EXISTING AND NEW.
 - RAKE MORTAR BETWEEN NEW AND EXISTING MASONRY 3/8". PROVIDE BACKER ROD AND SEALANT AT BOTH INTERIOR AND EXTERIOR.
 - SECURE NEW CMU TO EXISTING WITH ISOLATION JOINT ANCHOR THAT ALLOWS INDEPENDENT MOVEMENT.
 - INFILL EXISTING MASONRY OPENING W/ CMU AND BRICK TO MATCH ADJACENT.
 - SOLID SURFACE WINDOW SILL (OVERHANG GYP. BD 1").
 - SALVAGED STONE SILL. CUT TO FIT.

SYMBOLS LEGEND

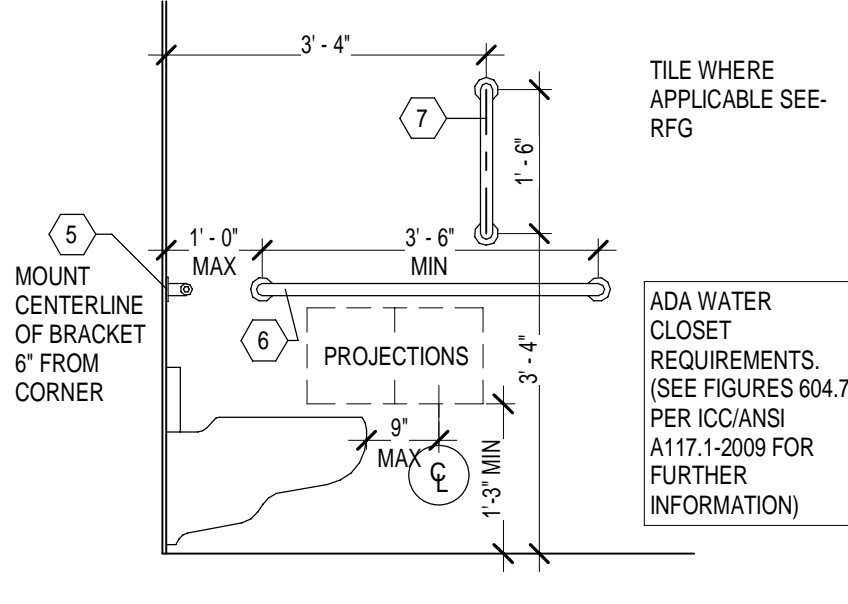
- EXISTING CONSTRUCTION TO REMAIN. PROTECT.
- ROOM FINISH GROUPS (REFER TO SHEET A0.0)
- ROOM NUMBER
- DOOR NUMBER (DOOR SCHEDULE SHEET A4.1)
- DEMOLITION WORK KEY NOTES (SHEET D1.0)
- NEW WORK KEY NOTES (SHEETS A1.1 - A1.2)
- WALL TYPE (SCHEDULE SHEET A0.0)
- ALUMINUM OR HOLLOW METAL WINDOW OR STOREFRONT TYPE (REFER TO FLOOR PLANS AND SCHEDULE SHEET A4.1)
- TOILET ACCESSORIES (SCHEDULE SHEET A1.1)
- ELEVATION KEY NOTE (SHEET A1.2)
- ROOF KEY NOTE (SHEET A1.3)
- CEILING PLAN KEY NOTE (SHEET A3.1)
- SIGNAGE KEY NOTE (SHEETS A0.0 AND A1.0)
- FIRE EXTINGUISHER CABINET, REFER TO DTLS. THIS SHEET.

KEY PLAN

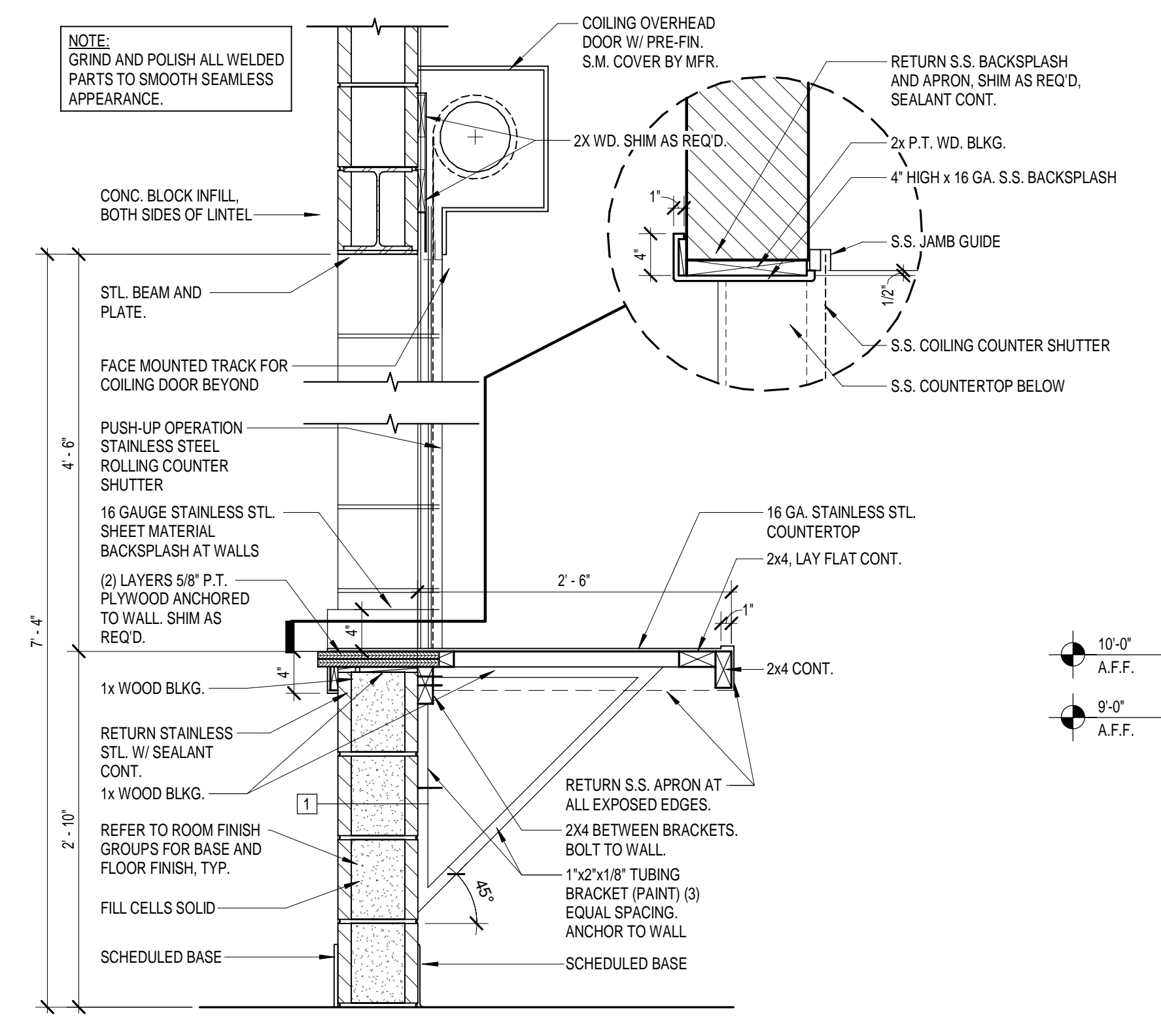
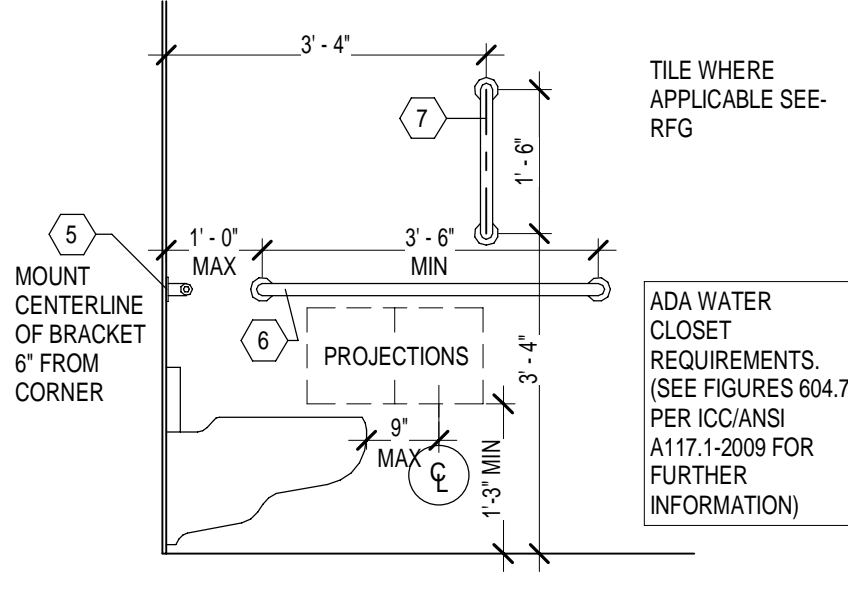


1 ENLARGED PLAN AREA-A
1/4" = 1'-0"

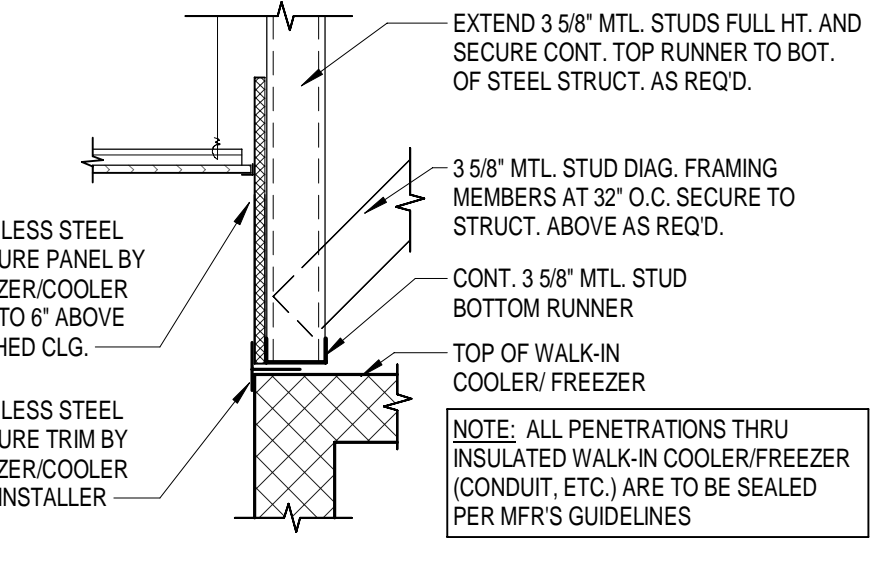
7 LOCKER BASE DETAIL
1" = 1'-0"



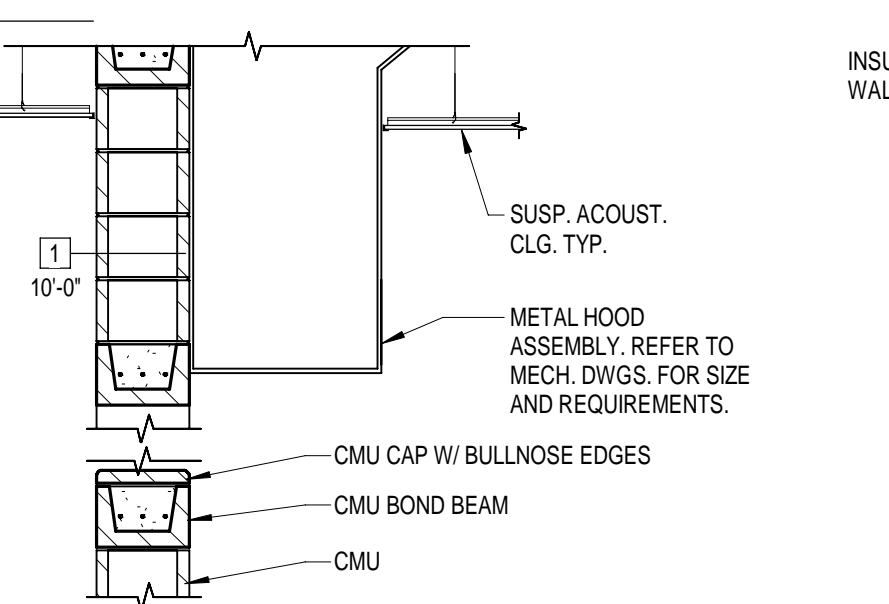
8 ADA GRAB BAR LAYOUT
1/2" = 1'-0"



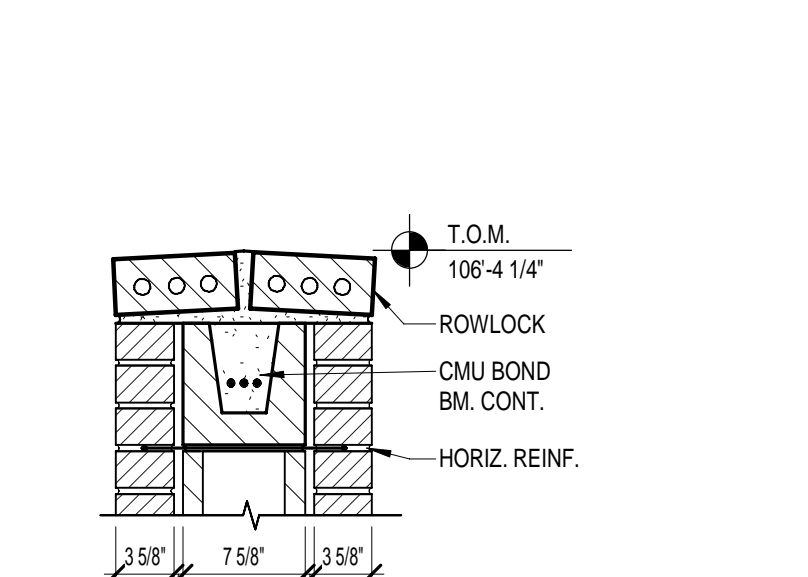
6 DISHWASH DETAIL
1/2" = 1'-0"



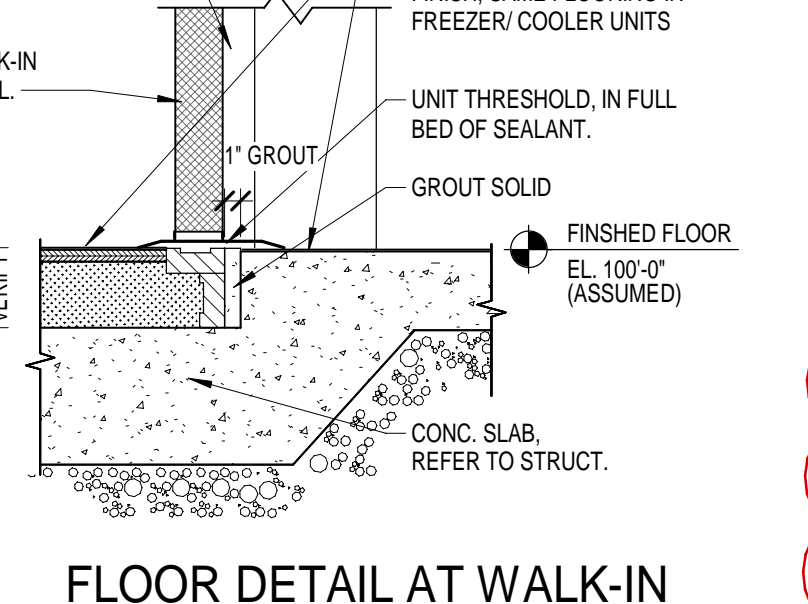
4 CEILING AT WALK-IN COOLER/FREEZER
1" = 1'-0"



5 EXHAUST HOOD DETAIL
1/2" = 1'-0"

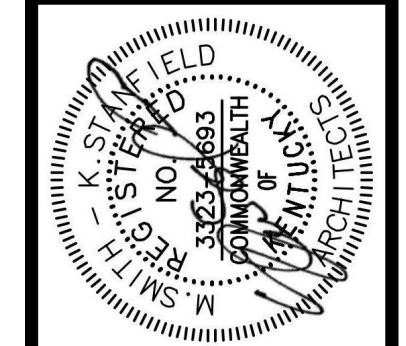


2 CAN WASH WALL
1" = 1'-0"



3 FLOOR DETAIL AT WALK-IN COOLER/FREEZER
1" = 1'-0"

FOOD SERVICE EQUIPMENT SCHEDULE			
ITEM NO.	EQUIPMENT CATEGORY	ITEM NO.	EQUIPMENT CATEGORY
1	CASHER COUNTER	22	OVEN, MICROWAVE
2	SOLID TOP COUNTER	23	HOT WATER DISPENSER
3	COLD FOOD COUNTER	24	WORK TABLE CUSTOM
4	HOT FOOD COUNTER	25	CONNECTION OVEN
5	MILK COOLER	26	12 GAL. STEAM JACKETED KETTLE
6	TRAY & SILVER CHART	27	ELECTRIC RANGE (NOT USED)
7	SOILED DISH TABLE	28	FOOD PROCESSOR
8	GARBAGE DISPOSER	29	WORK TABLE
9	HOSE REEL WITH SPRAY	30	GARBAGE DISPOSER
10	DISHWASHER	31	WORK TABLE W/ SINK
11	CLEAN DISH TABLE	32	CUTTER/MIXER, VERTICAL
12	THREE COMPARTMENT SINK	33	FLOOR TROUGH
13	ICE MAKER & BIN	34	WORK TABLE W/ SINK
14	FLOOR SINK	35	FAUCET, WALL MOUNT, WITH PRE-RINSE
15	UTILITY CARTS	36	RACK PAN
16	PASS THRU HOLDING/PROOFING CABINET	37	NOT USED
17	WORK TABLE	38	FOOD SLICER
18	PASS THRU REFRIGERATOR	39	WALK-IN SHELVING
19	EXHAUST HOOD SYSTEM	40	DINNAGE RACK
20	COMBI OVEN (DOUBLE STACK)	41	STORAGE SHELVING
21	WATER FILTER		

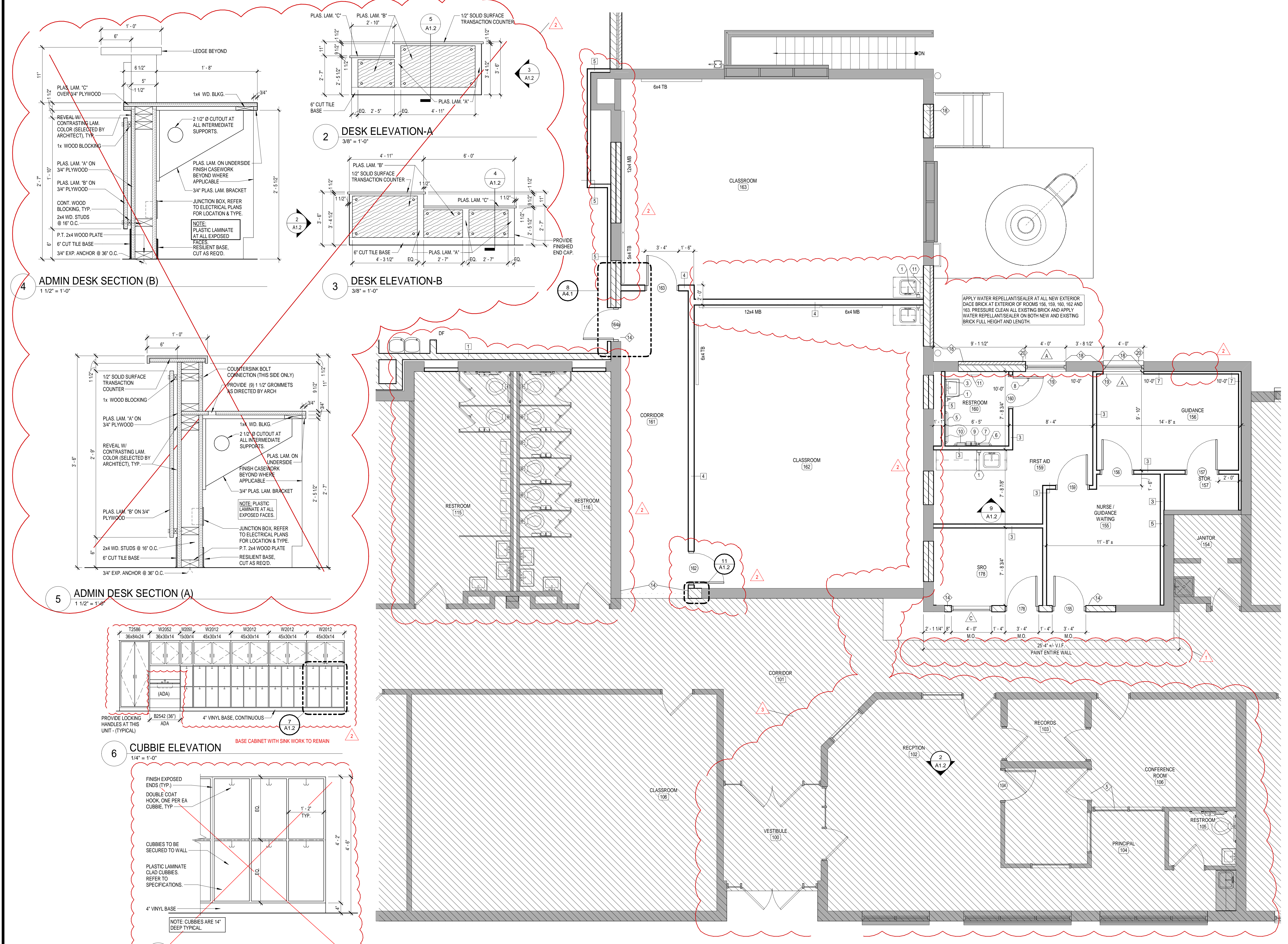


JOB NO.	2210
DATE	08/03/23
DRAWN	MC
CHECKED	TSS/BKL

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NO.	DESCRIPTION	DATE
1	ADDENDUM #1	08-21-23
2	ADDENDUM #3	08-11-23

SHEET



GENERAL NEW WORK NOTES

- REFER TO MECH./ELEC. DRAWINGS FOR SPECIFIC NOTES REGARDING MECH/ELEC ITEMS NOT SHOWN ON THIS SHEET.
- REFER TO ROOF PLAN AND MECH DRAWINGS FOR ADDITIONAL INFORMATION REGARDING WORK AT ROOF.
- REFER TO SHEET A0.0 FOR GENERAL NOTES AND PARTITION TYPES.
- REFER TO SHEET A1.1 FOR TOILET ACCESSORY SCHEDULE.
- REFER TO SHEET A1.1 FOR KITCHEN EQUIPMENT SCHEDULE.

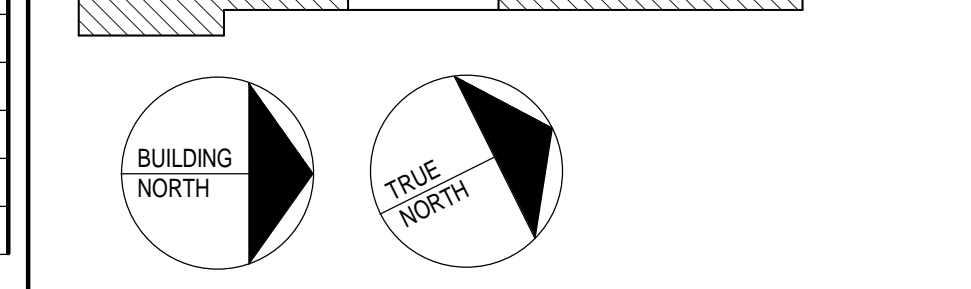
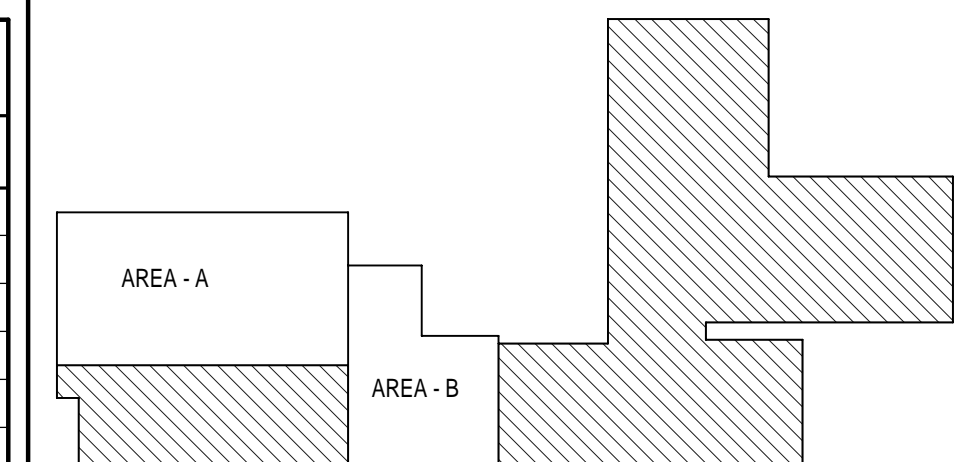
NEW WORK KEYNOTES

- NOTE: NOT ALL KEYNOTES MAY APPLY TO THIS SHEET.
- 1-4 NOT USED.
 5. INFILL EXISTING GYP. BD. ON STUD WALL. MATCH EXISTING. PAINT ENTIRE WALL (INFILL AND EXIST.) TO NEAREST CORNER/MATCH EXIST. COLOR.
 6. INFILL EXISTING MASONRY OPENING WITH 4" CMU TOOTH-IN.
 7. DOUBLE TIER METAL LOCKERS. ADD FILLER ENDS AS REED FOR SYMMETRICAL INSTALLATION.
 8. STACKED ADA COMPLIANT WASHER/DRYER BY OWNER.
 9. TOILET PARTITION ASSEMBLY.
 10. SINK. REFER TO PLUMBING.
 11. INFILL EXISTING MASONRY OPENING WITH CMU TO MATCH ADJACENT. TOOTH-IN.
 12. ROOF LEADER FROM ROOF DRAINS. PENETRATE WALLS AS NEEDED. CLOSE PENETRATIONS WITH BACKER ROD AND SEALANT.
 13. CANOPY. REFER ROOF PLAN.
 14. TOOTH-IN NEW CMU AT AREAS OF DEMOLITION.
 15. PAINT ENTIRE WALL EXISTING AND NEW.
 16. RAKE MORTAR BETWEEN NEW AND EXISTING MASONRY 3/8". PROVIDE BACKER ROD AND SEALANT AT BOTH INTERIOR AND EXTERIOR.
 17. SECURE NEW CMU TO EXISTING WITH ISOLATION JOINT ANCHOR THAT ALLOWS INDEPENDENT MOVEMENT.
 18. INFILL EXISTING MASONRY OPENING W/ CMU AND BRICK TO MATCH ADJACENT.
 19. SOLID SURFACE WINDOW SILL (OVERHANG GYP. BD 1").
 20. SALVAGED STONE SILL. CUT TO FIT.

SYMBOLS LEGEND

	EXISTING CONSTRUCTION TO REMAIN. PROTECT.
	ROOM FINISH GROUPS (REFER TO SHEET A0.0)
	ROOM NUMBER
	DOOR NUMBER (DOOR SCHEDULE SHEET A4.1)
	DEMOLITION WORK KEY NOTES (SHEET D1.0)
	NEW WORK KEY NOTES (SHEETS A1.1 - A1.2)
	WALL TYPE (SCHEDULE SHEET A0.0)
	ALUMINUM OR HOLLOW METAL WINDOW OR STOREFRONT TYPE (REFER TO FLOOR PLANS AND SCHEDULE SHEET A4.1)
	TOILET ACCESSORIES (SCHEDULE SHEET A1.1)
	ELEVATION KEY NOTE (SHEET A1.2)
	KEY NOTE (SHEET A1.3)
	Ceiling KEY NOTE (SHEET A3.1)
	SIGNAGE KEY NOTE (SHEETS A0.0 AND A1.0)
	FIRE EXTINGUISHER CABINET. REFER TO DTLs. THIS SHEET.
	MB MARKER BOARD
	TB TACK BOARD
	CJ CONTROL JOINT (SHEET A3.1)
	DF DOOR FRAME
	WS WINDOW SHADES

KEY PLAN

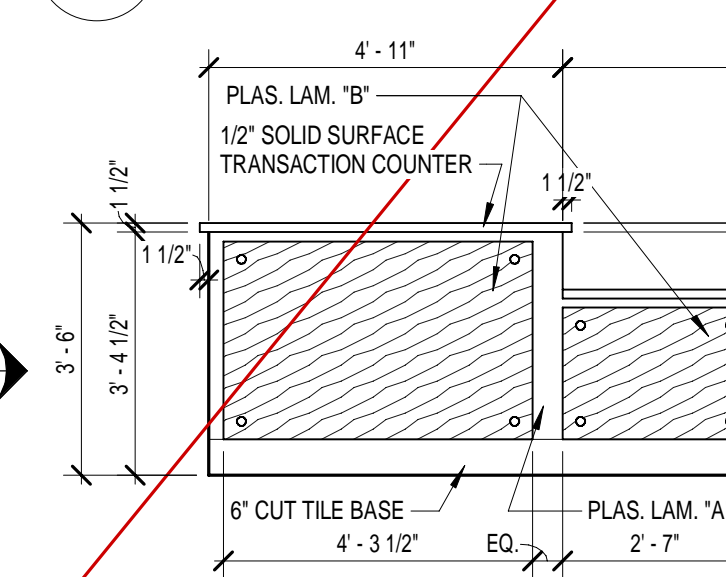


1 ENLARGED PLAN AREA-B
1/4" = 1'-0"

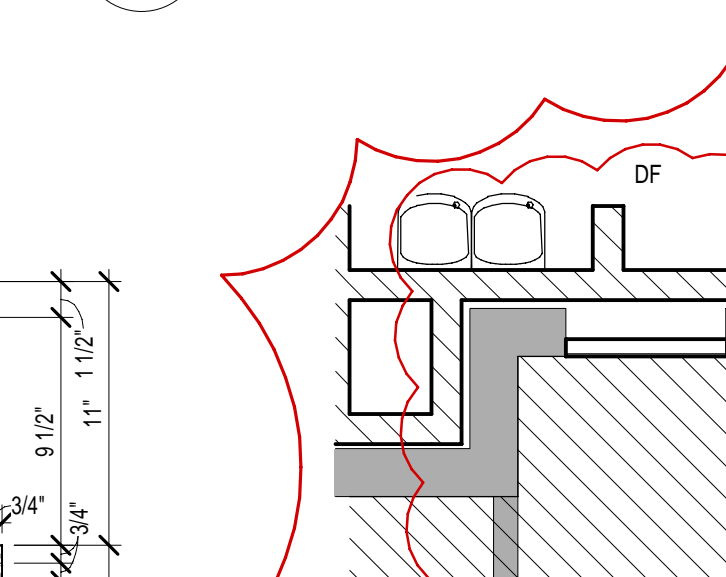


ACCESSORY	MTG. HT.	MFR./MODEL #
1 S.S. SOAP DISPENSER	40" TO VALVE	N.I.C., OWNER FURNISHED, CONTRACTOR INSTALLED
2 SENSOR FACED ELECTRIC HAND DRYER (SURFACE MTD.)	PER MANUF. & ADA REQUIREMENTS	WORLD HAND DRYER Q-9744Z WHITE
3 MIRROR W/ S.S. FRAME - 18"x36"	40" TO BOTTOM	ASI 3200
4 NOT USED	NOT USED	NOT USED
5 36" S.S. GRAB BAR (1-1/4")	33" TO CENTERLINE	ASI 3100 SERIES, REFER TO DETAIL & THIS SHEET
6 42" S.S. GRAB BAR (1-1/4")	33" TO CENTERLINE	ASI 3100 SERIES, REFER TO DETAIL & THIS SHEET
7 18" VERTICAL S.S. GRAB BAR (1-1/4")	REFER TO GRAB BAR LAYOUT 9A1.1	ASI 3100 SERIES
8 CLOTHES HOOK (SURFACE MOUNTED)	48" TO CENTER	ASI 8425
9 TOILET PAPER DISPENSER	23" TO CENTERLINE	N.I.C., OWNER FURNISHED, CONTRACTOR INSTALLED
10 SANITARY NAPKIN DISPOSAL	24" TO TOP	ASI 0852
11 PAPER TOWEL DISPENSER (SURFACE MOUNTED)	44" TO SLOT	ASI 0210

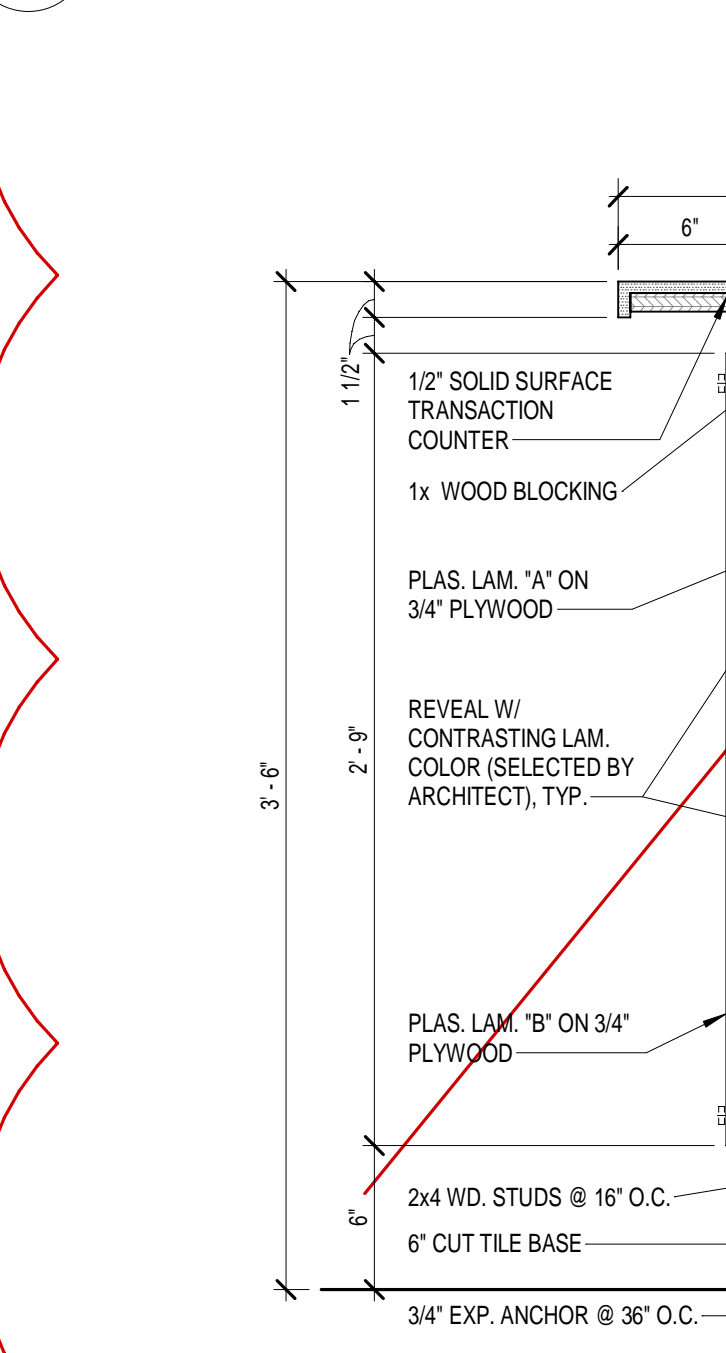
2 DESK ELEVATION-A
3/8" = 1'-0"



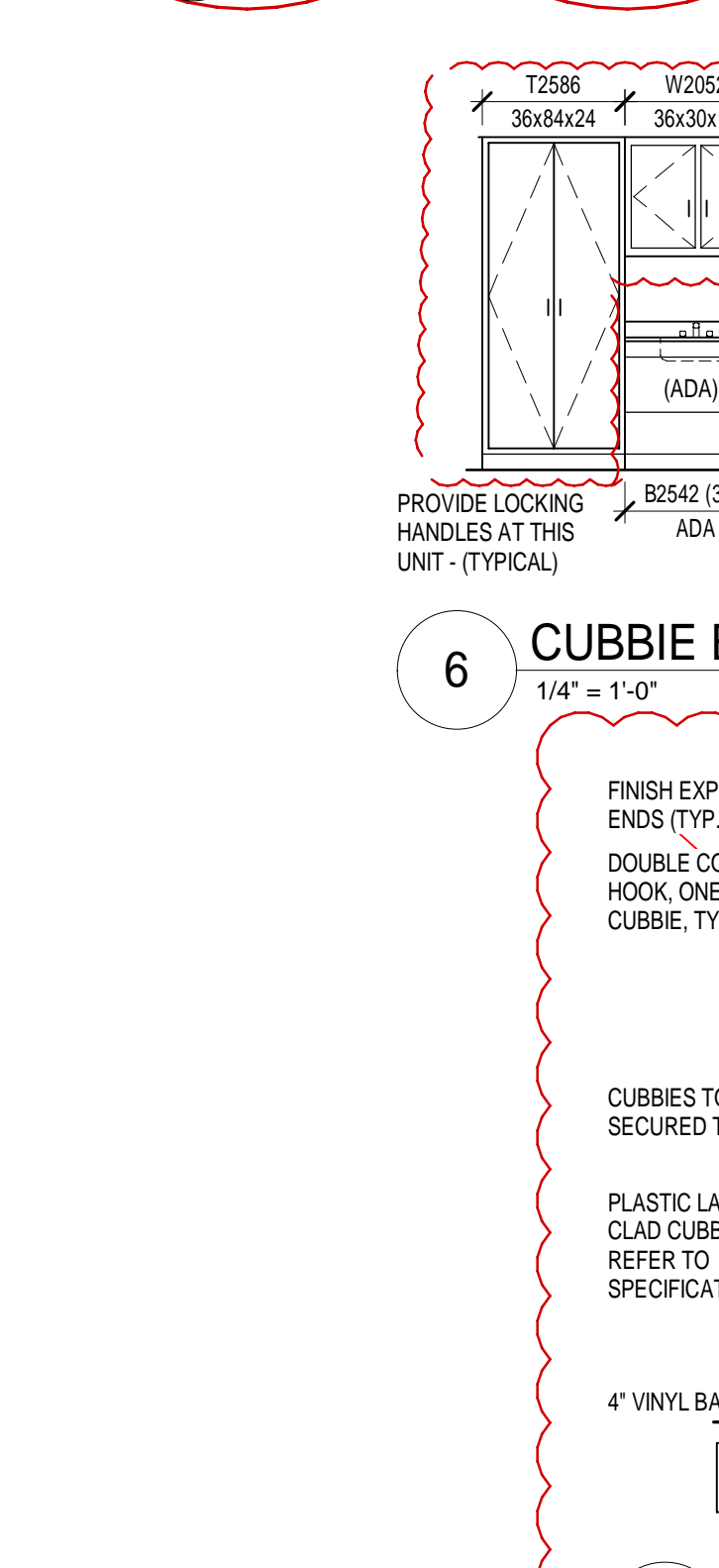
3 DESK ELEVATION-B
3/8" = 1'-0"



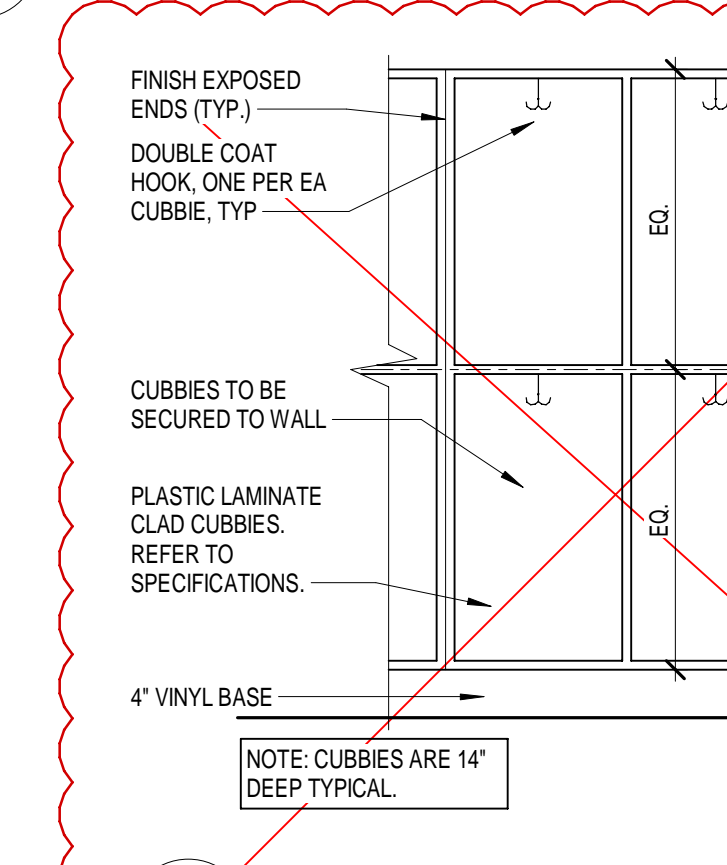
4 ADMIN DESK SECTION (B)
1 1/2" = 1'-0"



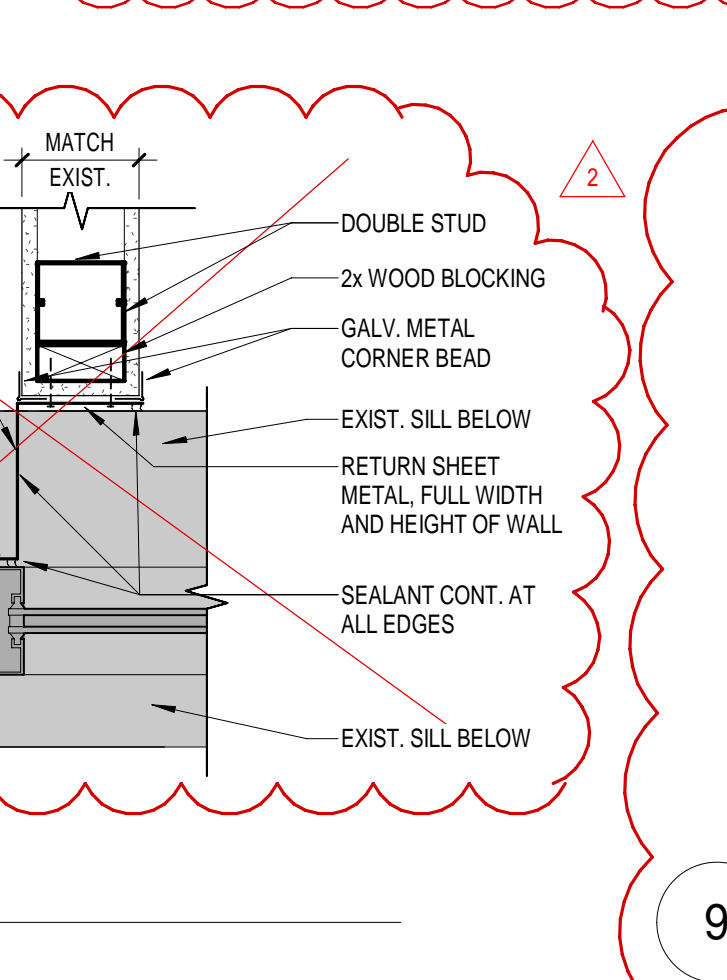
5 ADMIN DESK SECTION (A)
1 1/2" = 1'-0"



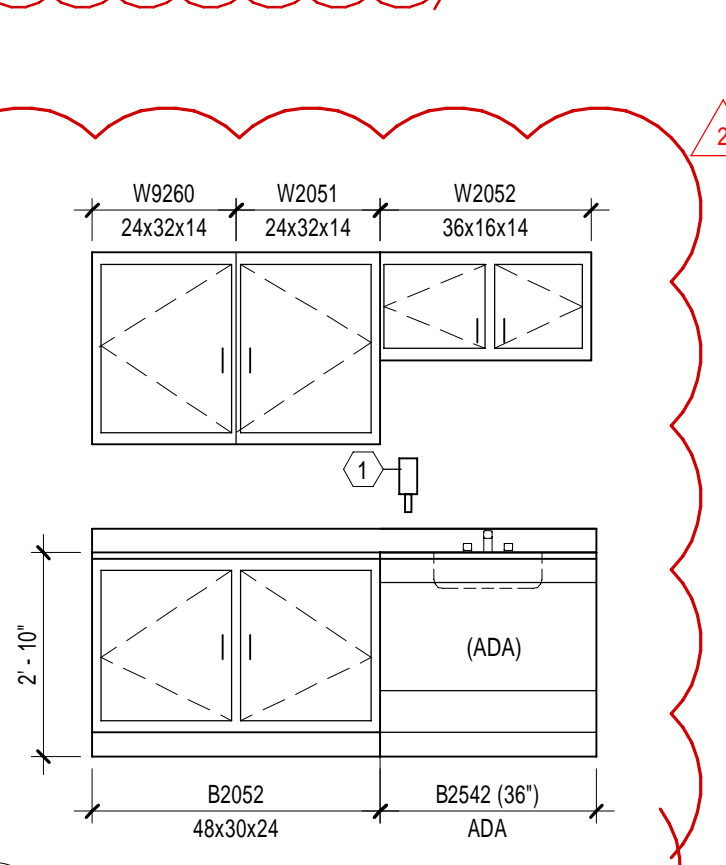
6 CUBBIE ELEVATION
1/4" = 1'-0"



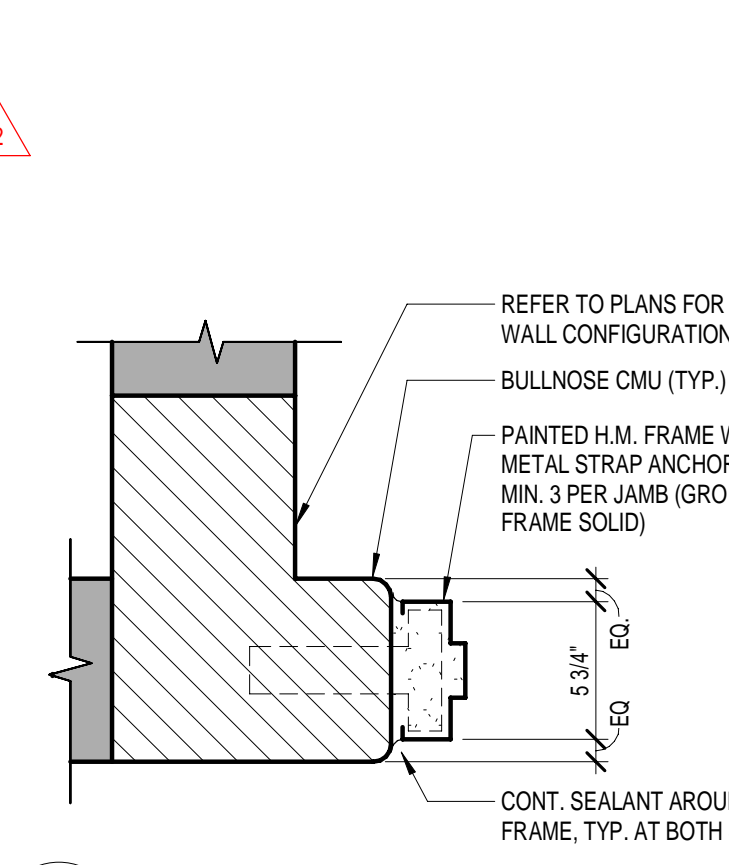
7 CUBBIE DETAIL
3/4" = 1'-0"



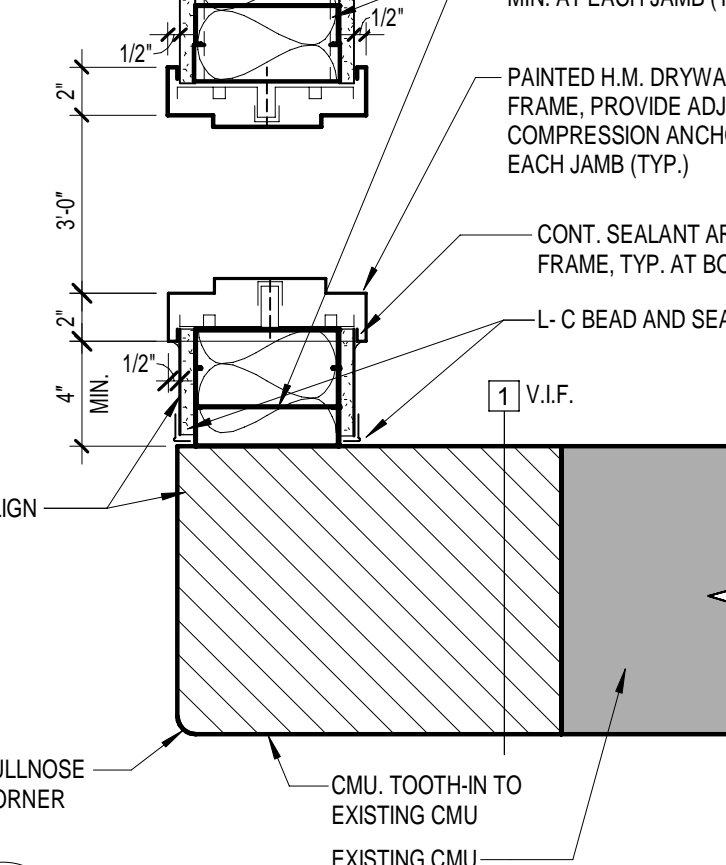
9 CASEWORK ELEVATION
3/8" = 1'-0"



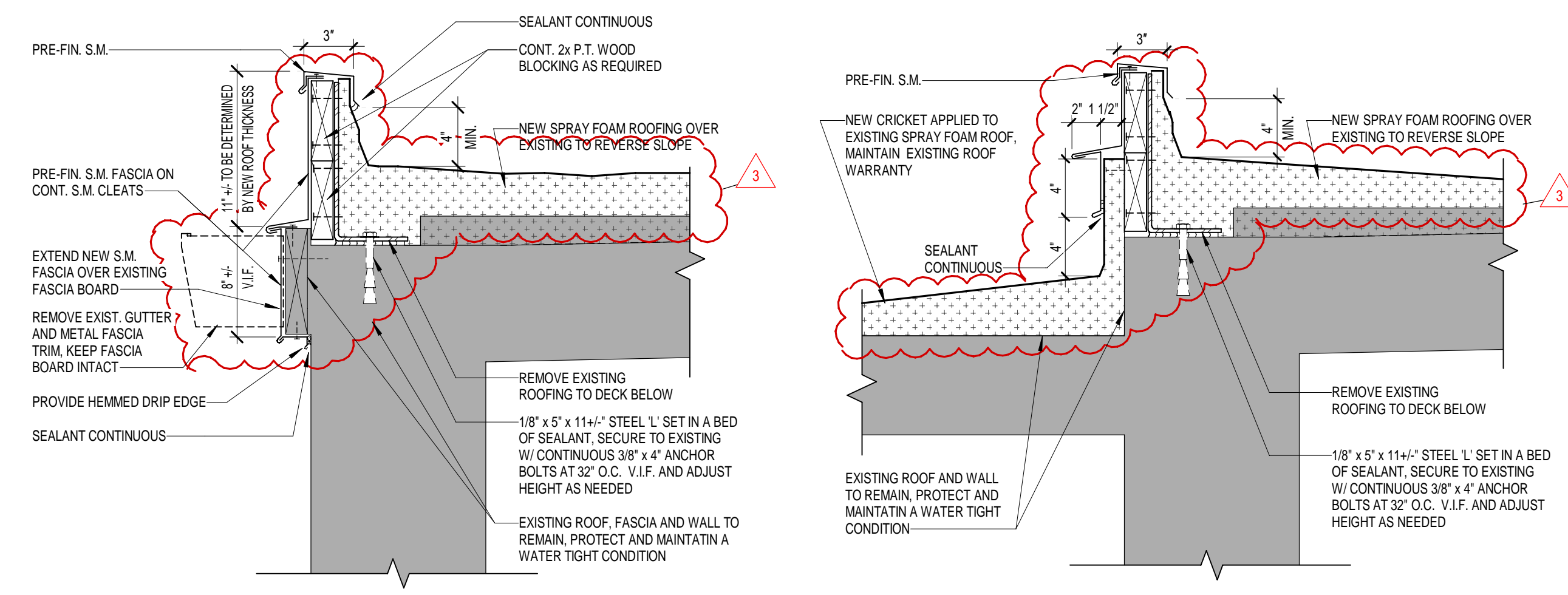
10 JAMB / HEAD DETAIL
1 1/2" = 1'-0"



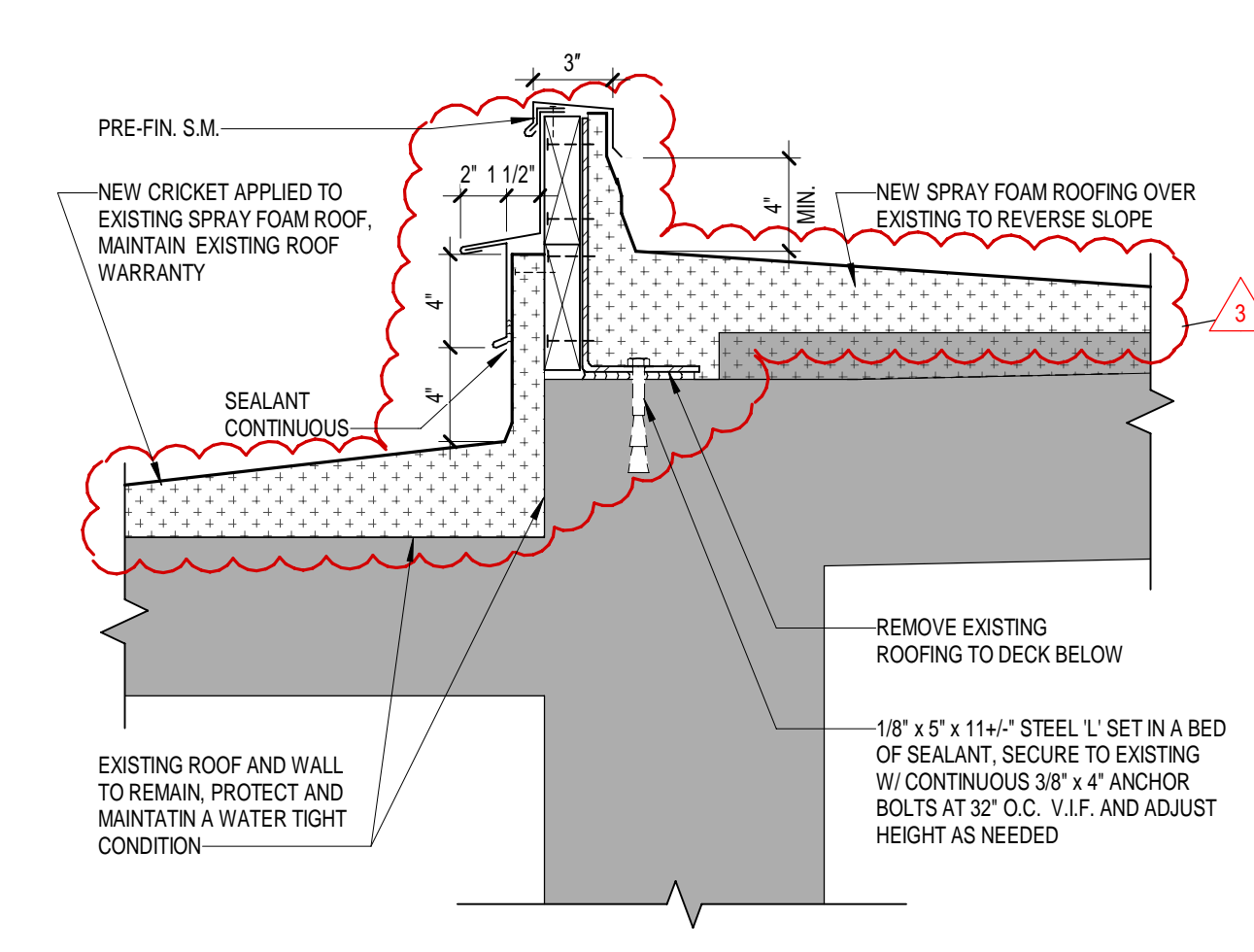
11 DETAIL
1 1/2" = 1'-0"



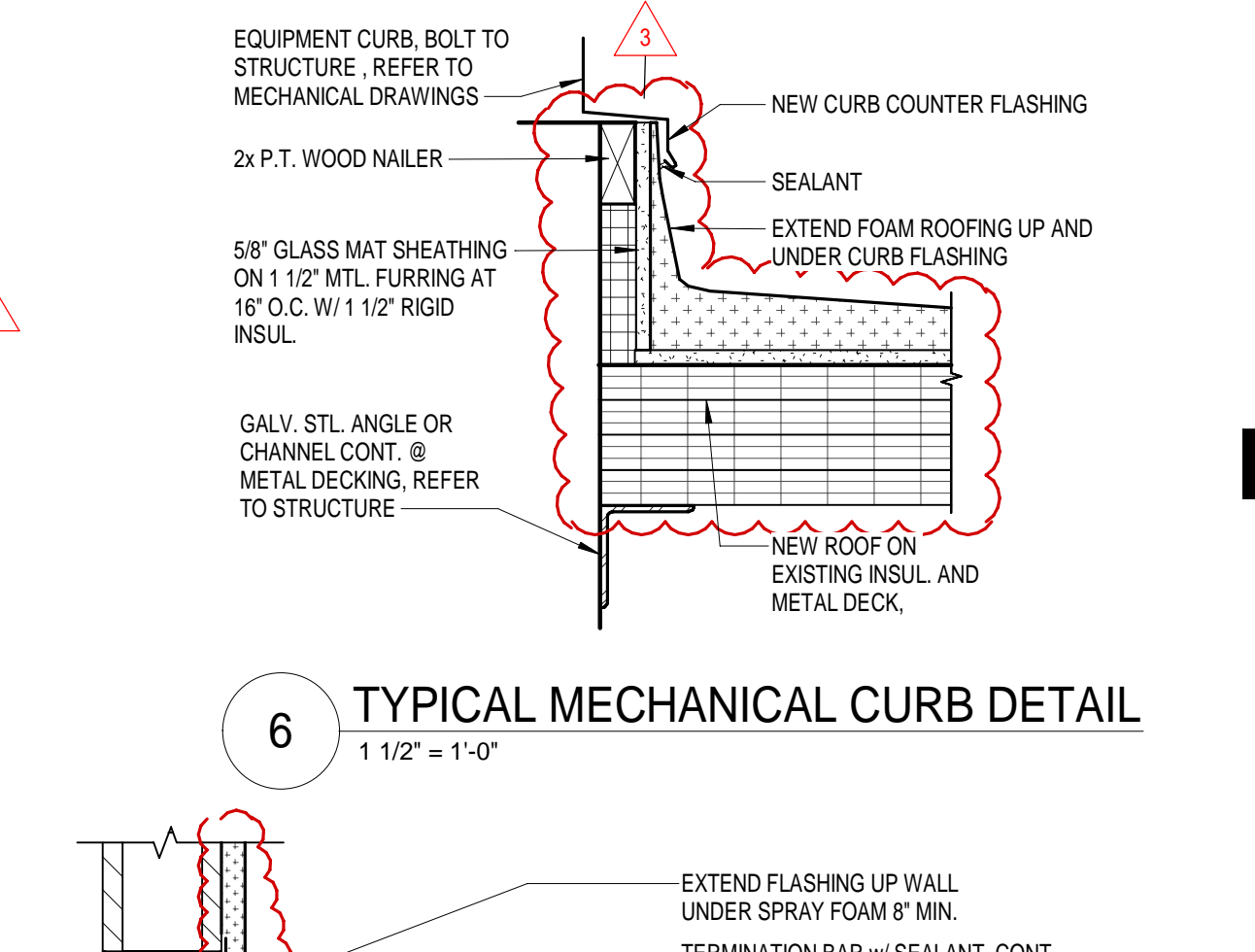
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DRAWN	C-FMS	
CHECKED	TSS/BKL	
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3	ADDENDUM #3	08-11-23



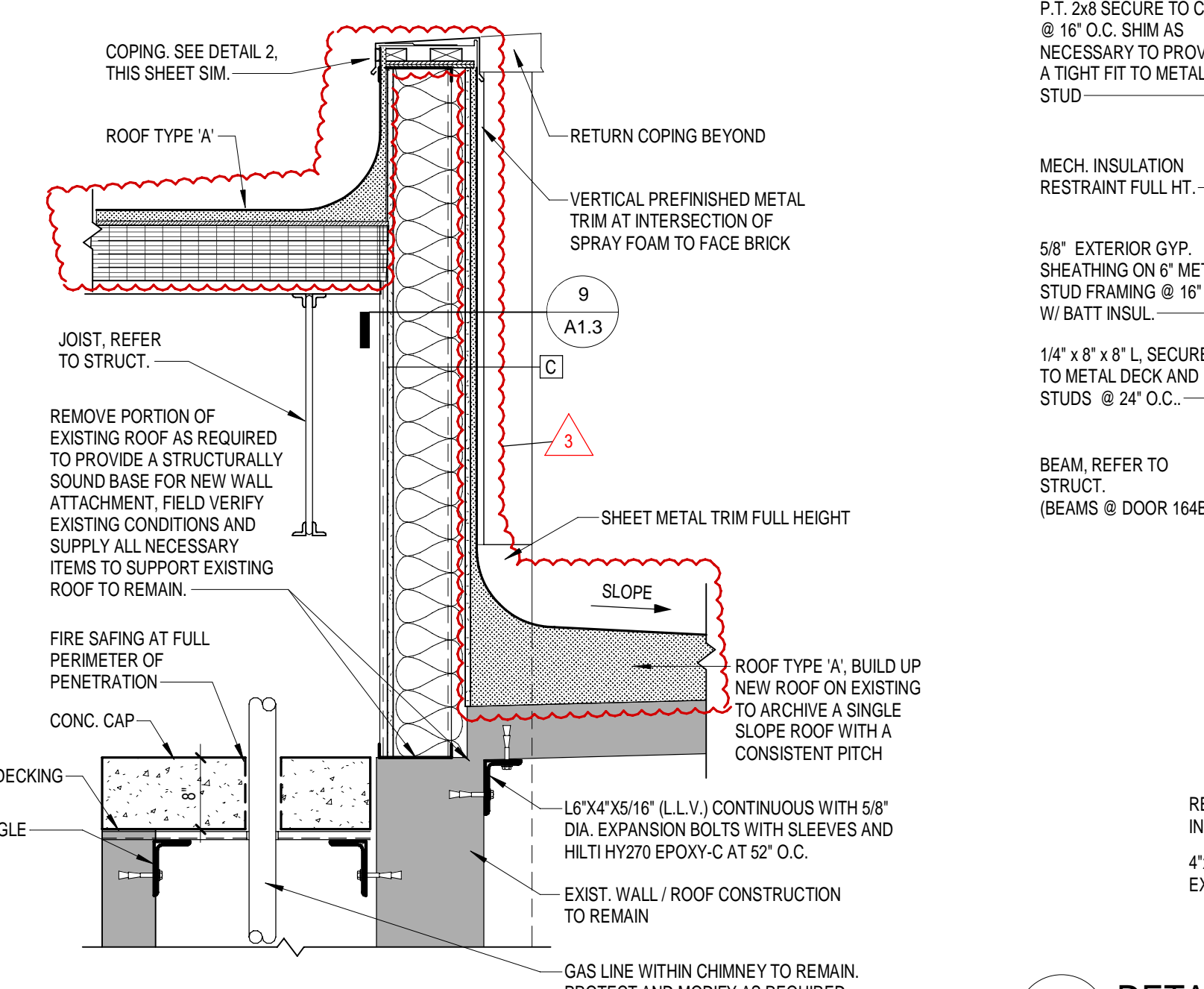
14 DETAIL
1 1/2" = 1'-0"



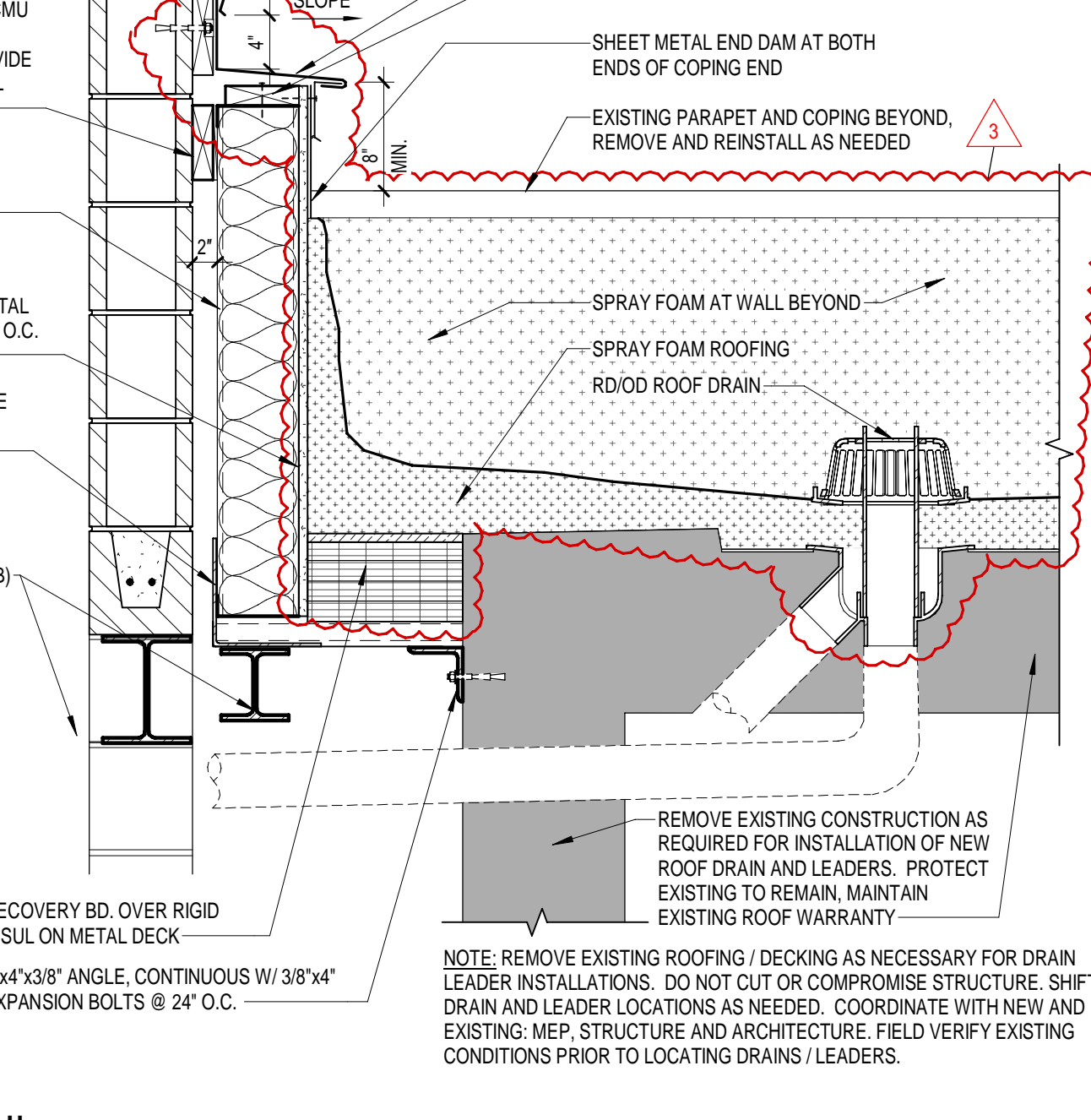
10 DETAIL
1 1/2" = 1'-0"



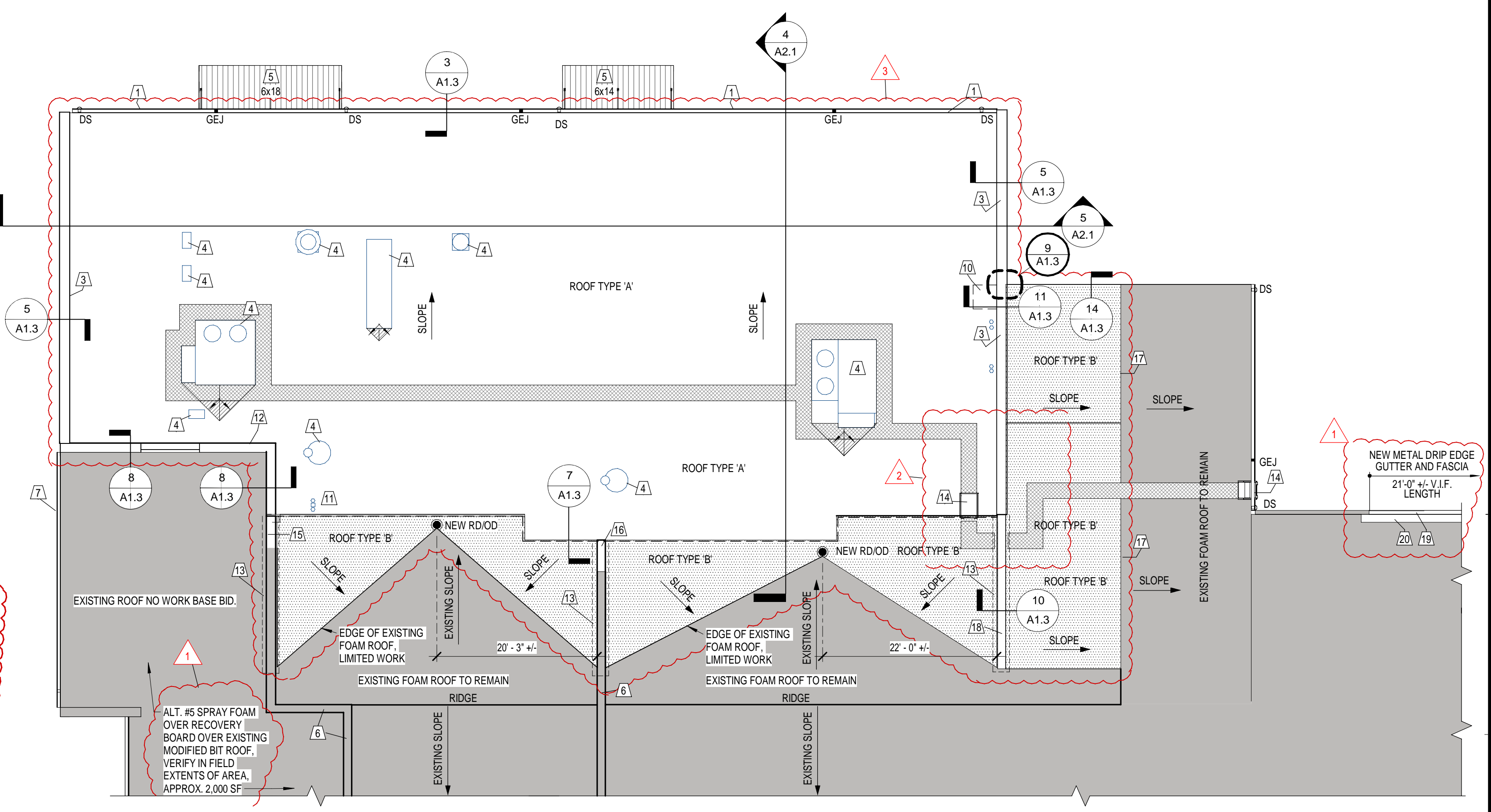
6 TYPICAL MECHANICAL CURB DETAIL
1 1/2" = 1'-0"



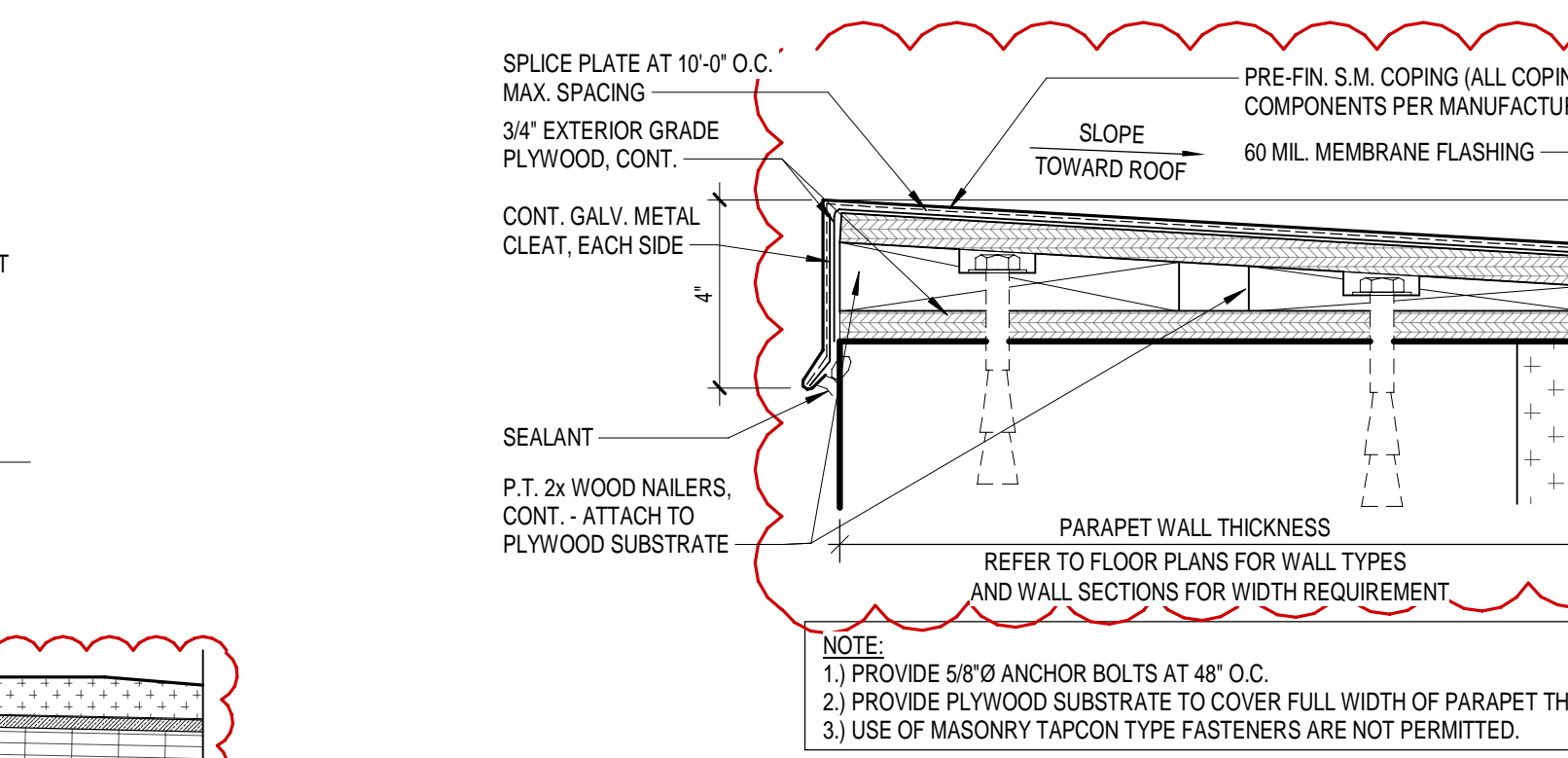
11 ROOF DETAIL
3/4" = 1'-0"



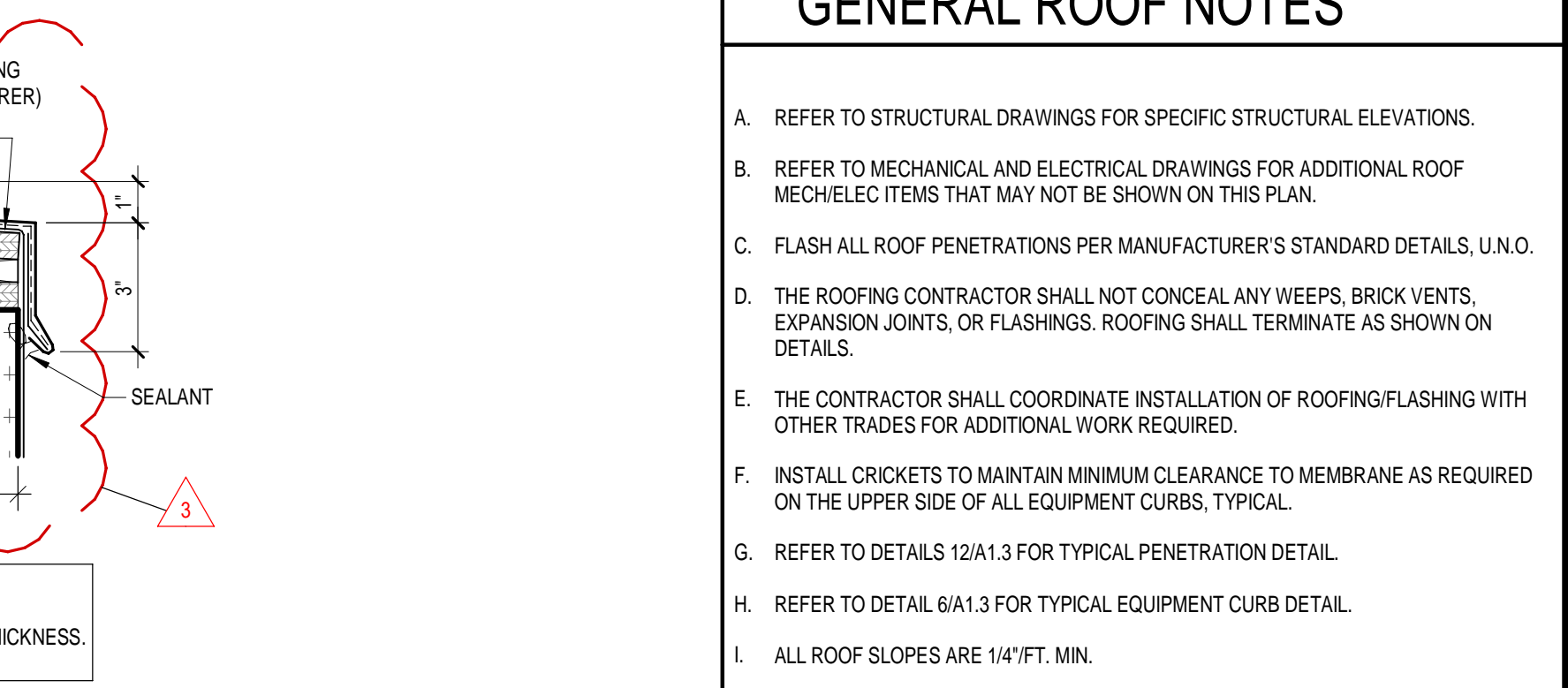
7 DETAIL
1" = 1'-0"



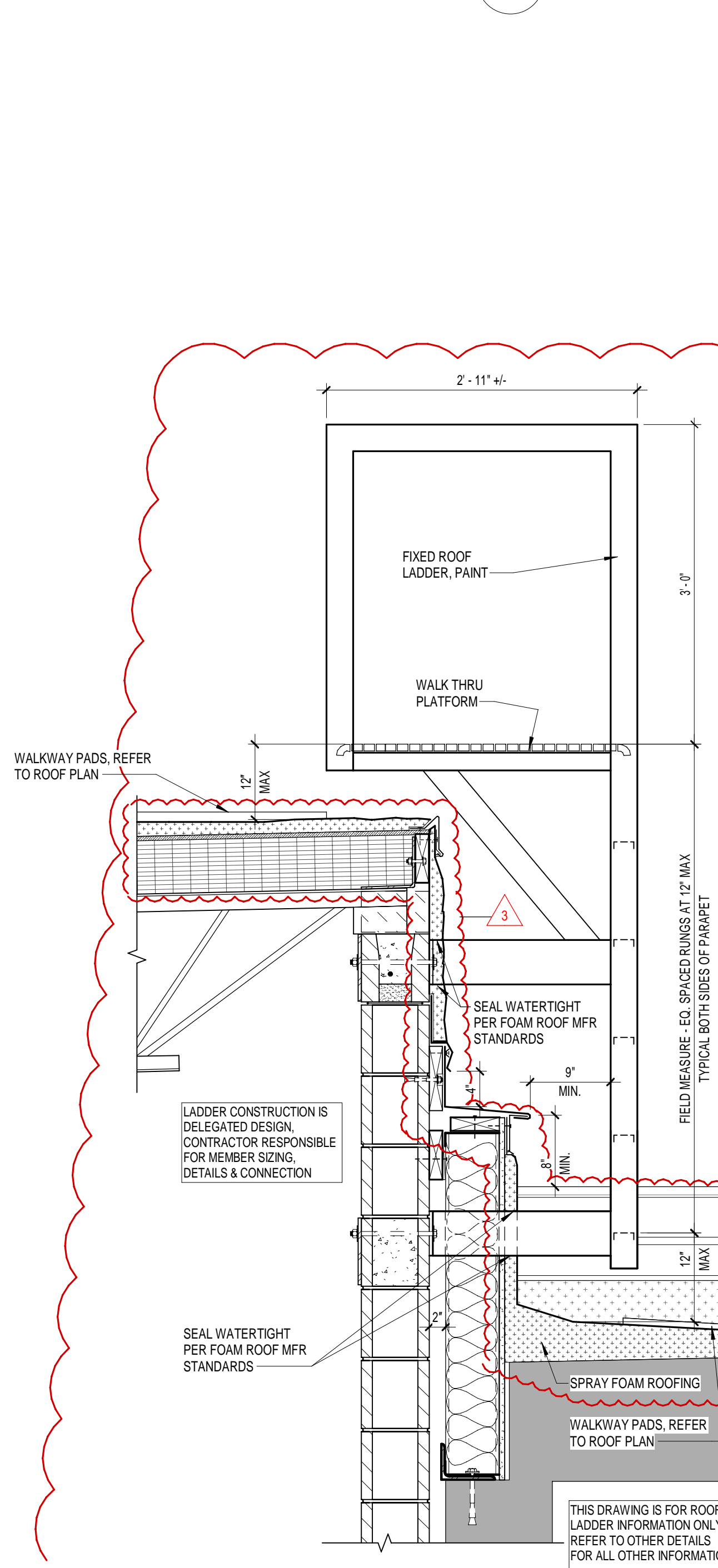
1 ROOF PLAN
3/32" = 1'-0"



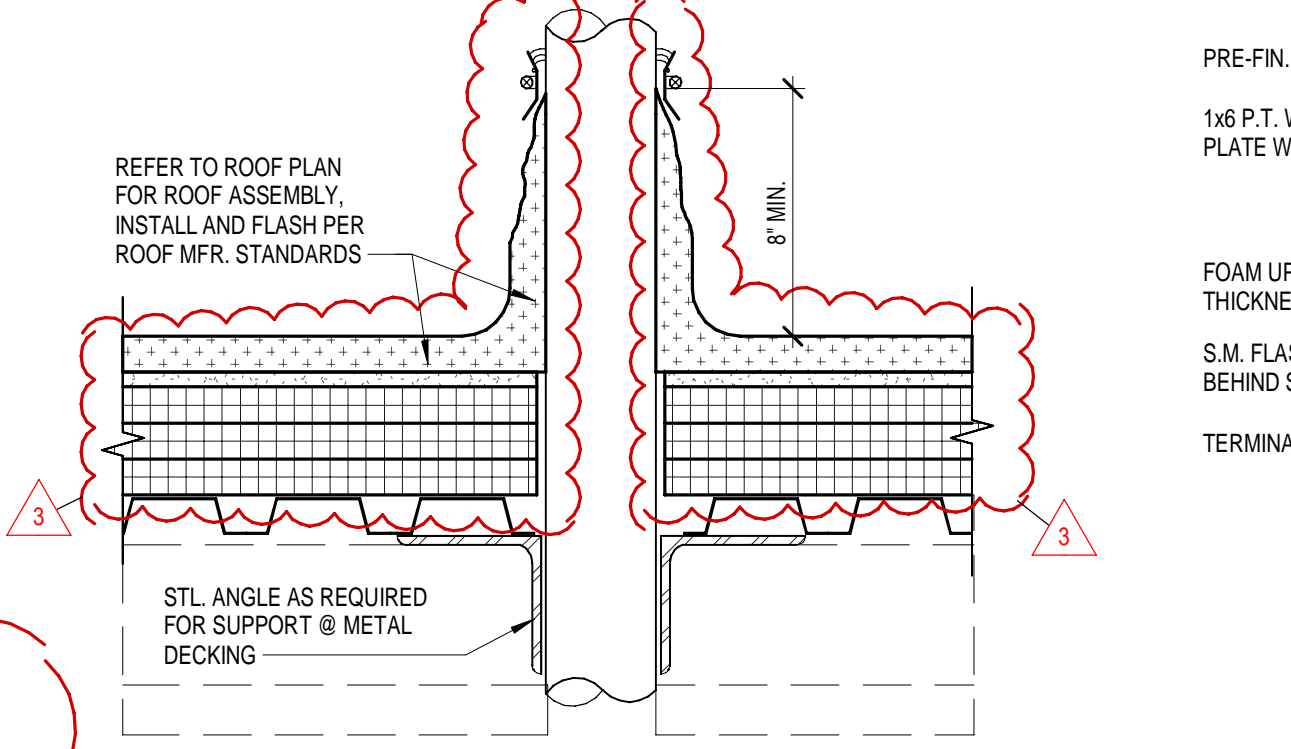
2 COPING DETAIL
3" = 1'-0"



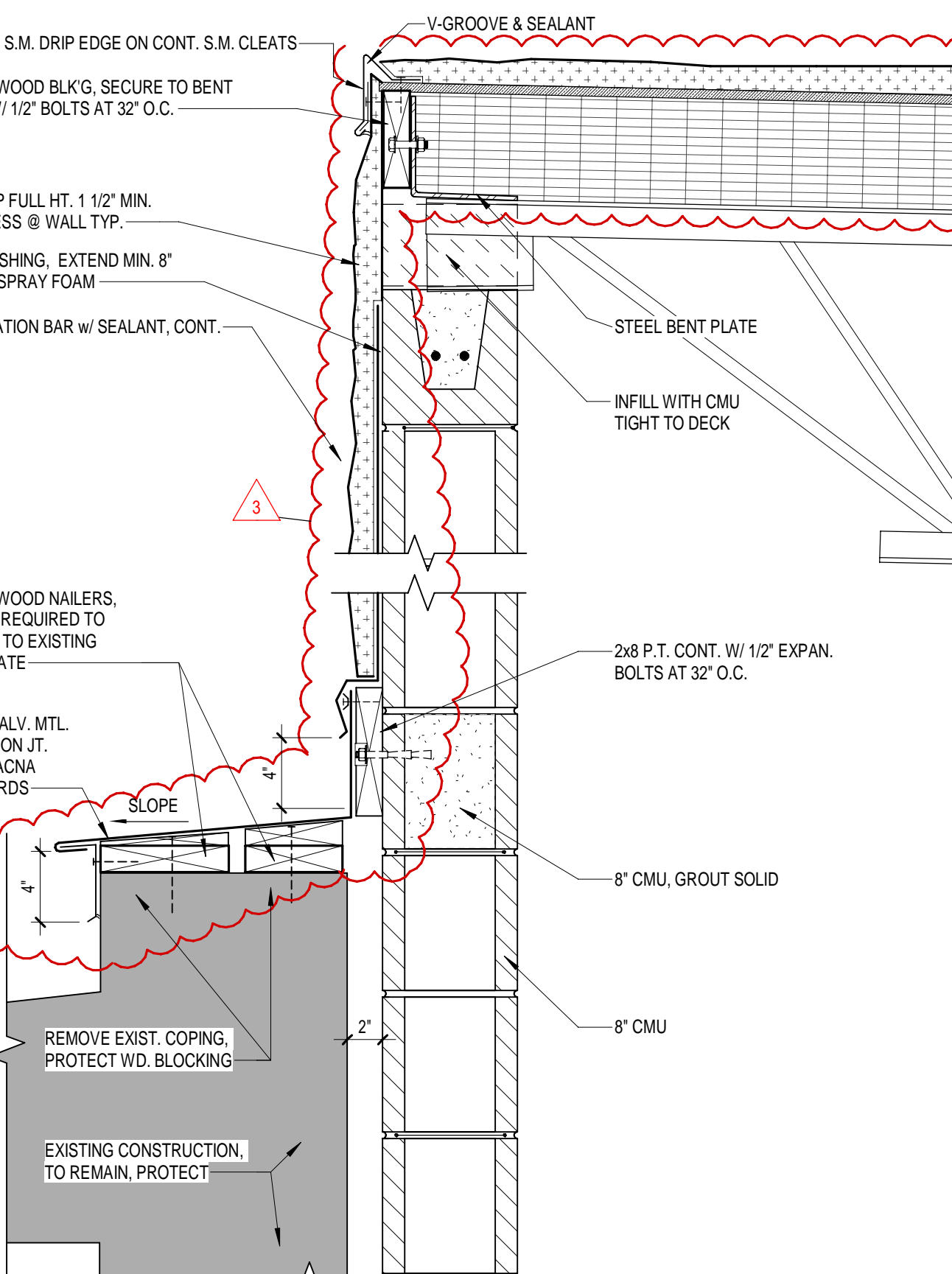
GENERAL ROOF NOTES



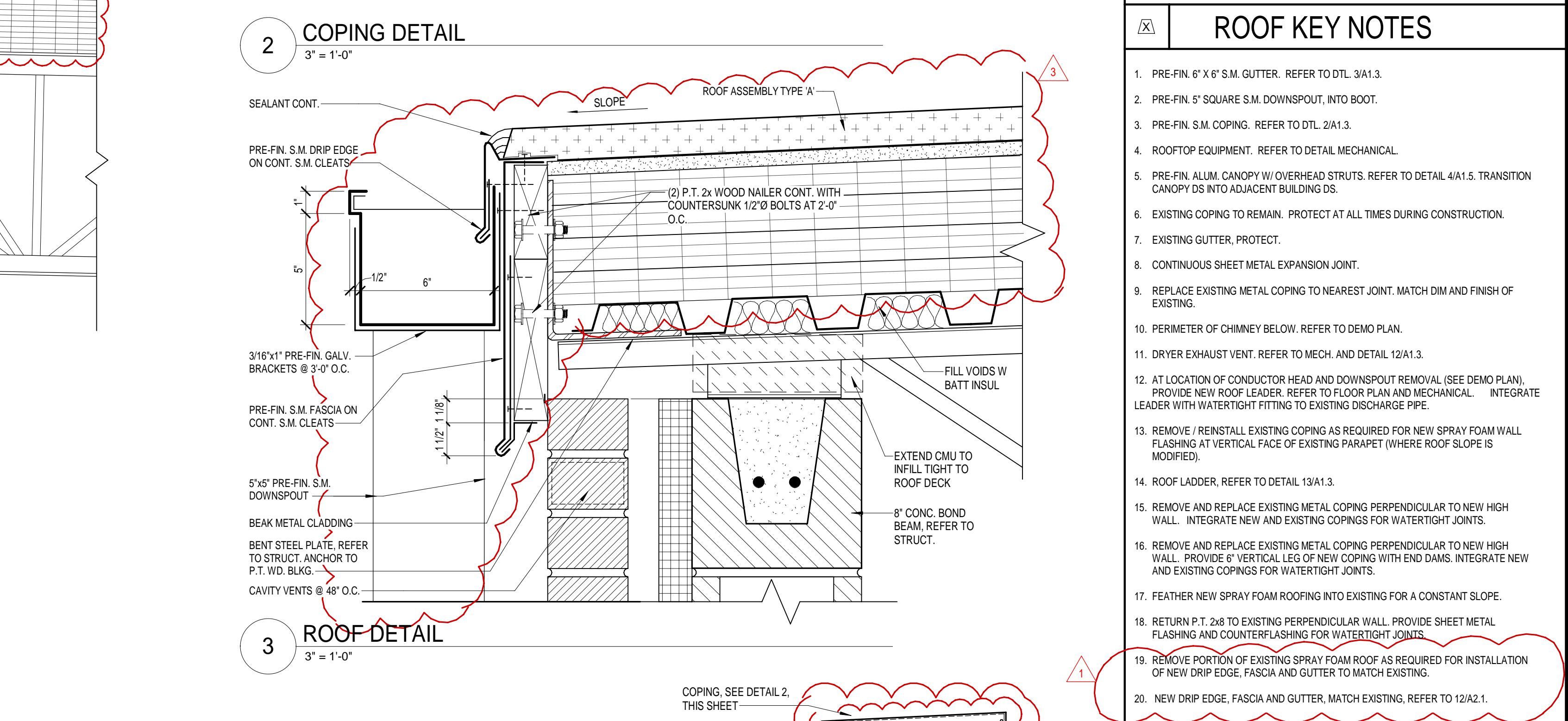
13 DETAIL
1" = 1'-0"



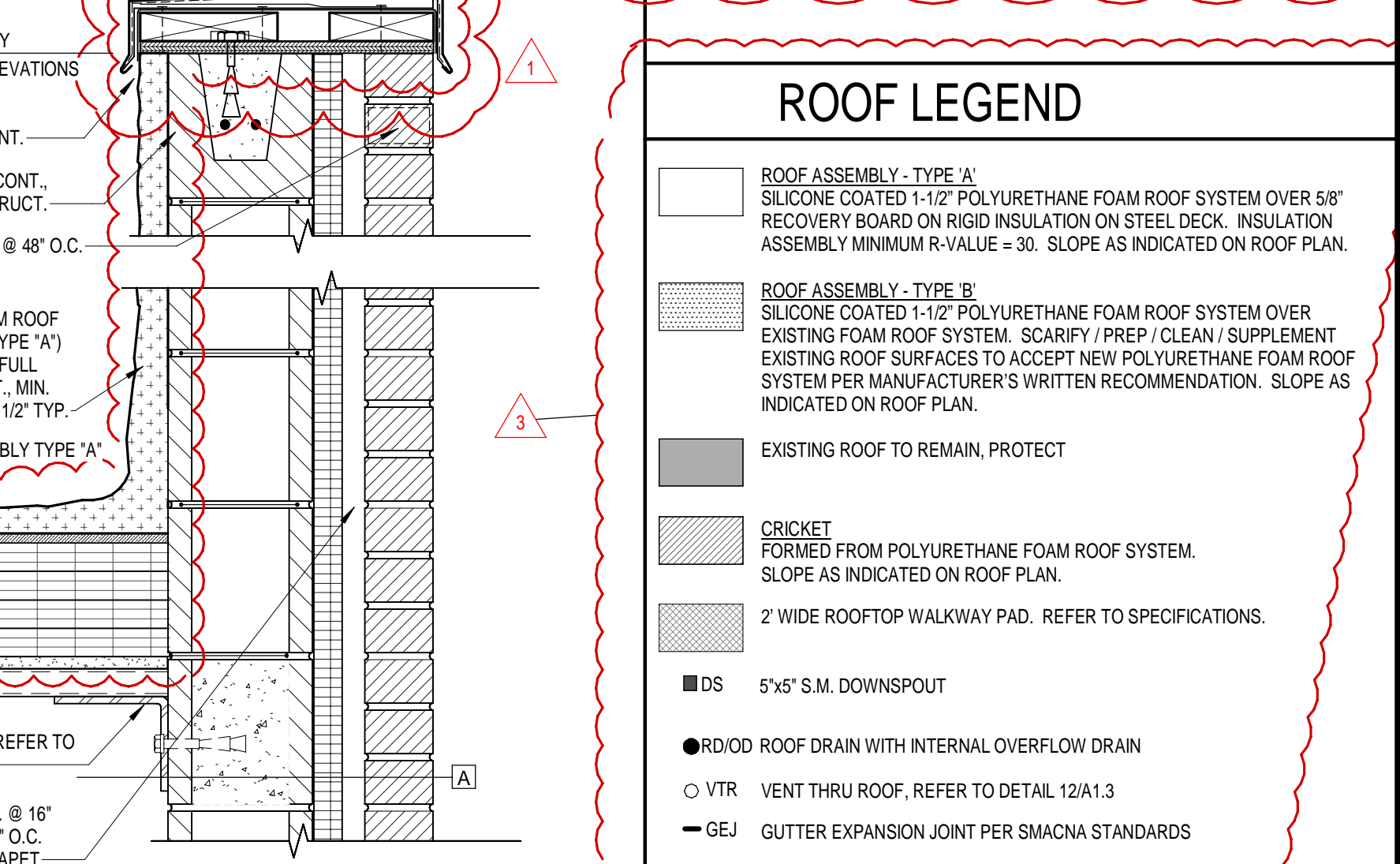
12 TYPICAL ROOF PENETRATION DETAIL
1 1/2" = 1'-0"



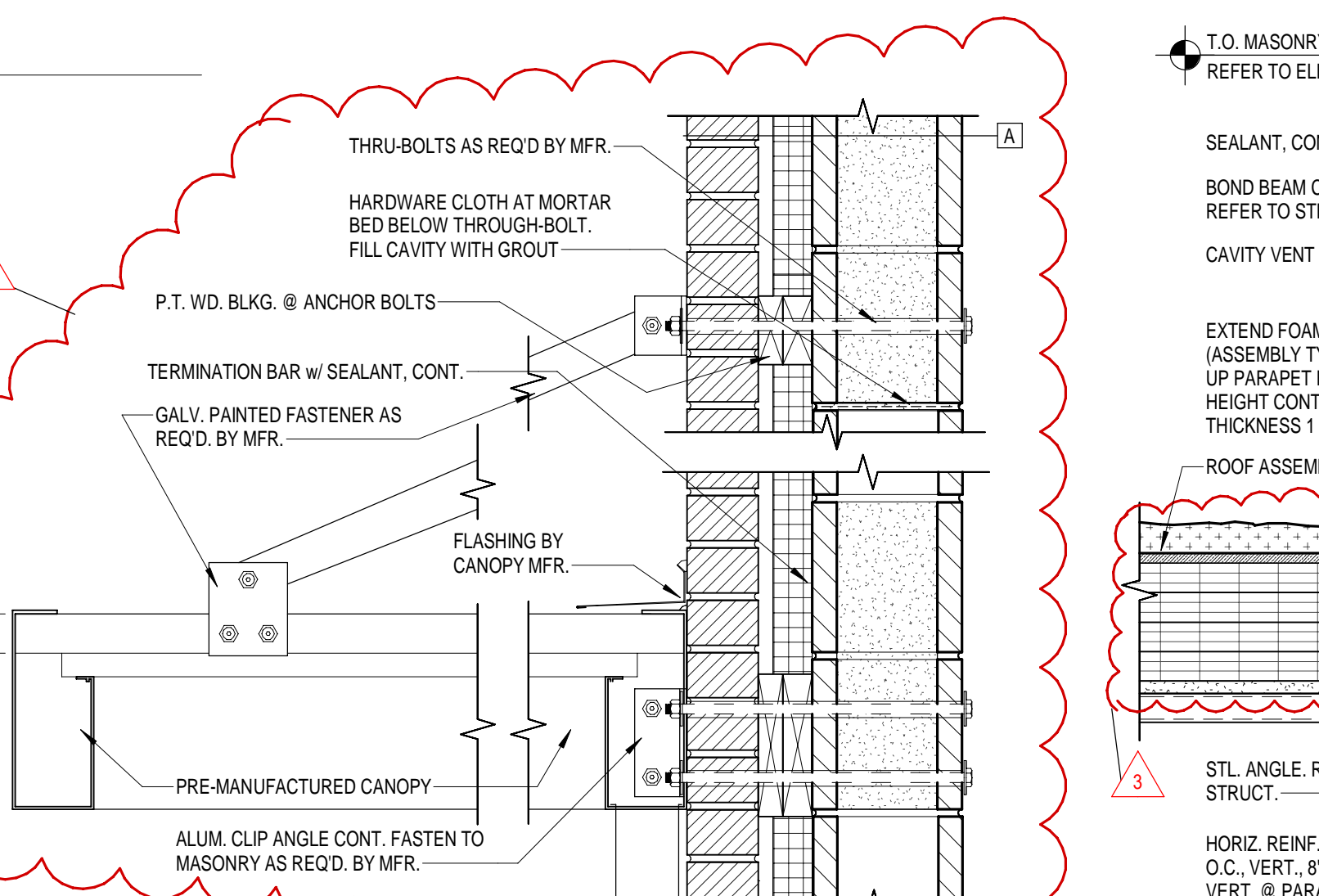
8 DETAIL
1 1/2" = 1'-0"



3 ROOF DETAIL
3" = 1'-0"



5 ROOF DETAIL
1 1/2" = 1'-0"

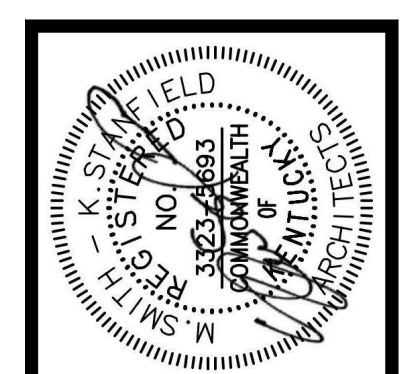


4 DETAIL
1 1/2" = 1'-0"

- ROOF KEY NOTES**
- PRE-FIN 6" x 6" S.M. GUTTER. REFER TO DTL. 3/A1.3.
 - PRE-FIN 6" SQUARE S.M. DOWNSPOUT, INTO ROOF.
 - PRE-FIN S.M. COPING. REFER TO DTL. 2/A1.3.
 - ROOFTOP EQUIPMENT. REFER TO DETAIL MECHANICAL.
 - PRE-FIN ALUM. CANOPY W/ OVERHEAD STRUTS. REFER TO DETAIL 4/A1.5. TRANSITION CANOPY DS INTO ADJACENT BUILDING DS.
 - EXISTING COPING TO REMAIN. PROTECT AT ALL TIMES DURING CONSTRUCTION.
 - EXISTING GUTTER. PROTECT.
 - CONTINUOUS SHEET METAL EXPANSION JOINT.
 - REPLACE EXISTING METAL COPING TO NEAREST JOINT. MATCH DIM AND FINISH OF EXISTING.
 - PERIMETER OF CHIMNEY BELOW. REFER TO DEMO PLAN.
 - DRYER EXHAUST VENT. REFER TO MECH. AND DETAIL 12/A1.3.
 - AT LOCATION OF CONDUCTOR HEAD AND DOWNSPOUT REMOVAL, (SEE DEMO PLAN), PROVIDE NEW ROOF LEADER. REFER TO FLOOR PLAN AND MECHANICAL. INTEGRATE LEADER WITH WATERTIGHT FITTING TO EXISTING DISCHARGE PIPE.
 - REMOVE/REINSTALL EXISTING COPING AS REQUIRED FOR NEW SPRAY FOAM WALL FLASHING AT VERTICAL FACE OF EXISTING PARAPET (WHERE ROOF SLOPE IS MODIFIED).
 - ROOF LADDER. REFER TO DETAIL 13/A1.3.
 - REMOVE AND REPLACE EXISTING METAL COPING PERPENDICULAR TO NEW HIGH WALL. INTEGRATE NEW AND EXISTING COPINGS FOR WATERTIGHT JOINTS.
 - REMOVE AND REPLACE EXISTING METAL COPING PERPENDICULAR TO NEW HIGH WALL. PROVIDE 6" VERTICAL LEG OF NEW COPING WITH END DAMS, INTEGRATE NEW AND EXISTING COPINGS FOR WATERTIGHT JOINTS.
 - FEATHER NEW SPRAY FOAM ROOFING INTO EXISTING FOR A CONSTANT SLOPE.
 - RETURN P.T. 2x6 TO EXISTING PERPENDICULAR WALL. PROVIDE SHEET METAL FLASHING AND COUNTERFLASHING FOR WATERTIGHT JOINTS.
 - REMOVE PORTION OF EXISTING SPRAY FOAM ROOF AS REQUIRED FOR INSTALLATION OF NEW DRIP EDGE, FASCIA AND GUTTER TO MATCH EXISTING.
 - NEW DRIP EDGE, FASCIA AND GUTTER. MATCH EXISTING. REFER TO 12/A2.1.

ROOF LEGEND

[Symbol]	ROOF ASSEMBLY - TYPE 'A'
[Symbol]	SILICONE COATED 1-1/2" POLYURETHANE FOAM ROOF SYSTEM OVER 5/8" RECOVERY BOARD ON RIGID INSULATION ON STEEL DECK. INSULATION ASSEMBLY MINIMUM R-VALUE = 30. SLOPE AS INDICATED ON ROOF PLAN.
[Symbol]	ROOF ASSEMBLY - TYPE 'B'
[Symbol]	SILICONE COATED 1-1/2" POLYURETHANE FOAM ROOF SYSTEM OVER EXISTING FOAM ROOF SYSTEM. SCARIFY / PREP / CLEAN / SUPPLEMENT EXISTING ROOF SURFACES TO ACCEPT NEW POLYURETHANE FOAM ROOF SYSTEM PER MANUFACTURER'S WRITTEN RECOMMENDATION. SLOPE AS INDICATED ON ROOF PLAN.
[Symbol]	EXISTING ROOF TO REMAIN, PROTECT
[Symbol]	CRICKET FORMED FROM POLYURETHANE FOAM ROOF SYSTEM. SLOPE AS INDICATED ON ROOF PLAN.
[Symbol]	2" WIDE ROOFTOP WALKWAY PAD. REFER TO SPECIFICATIONS.
[Symbol]	DS 5"x5" S.M. DOWNSPOUT
[Symbol]	RD/OD ROOF DRAIN WITH INTERNAL OVERFLOW DRAIN
[Symbol]	VTR VENT THRU ROOF. REFER TO DETAIL 12/A1.3
[Symbol]	GEJ GUTTER EXPANSION JOINT PER SMACNA STANDARDS



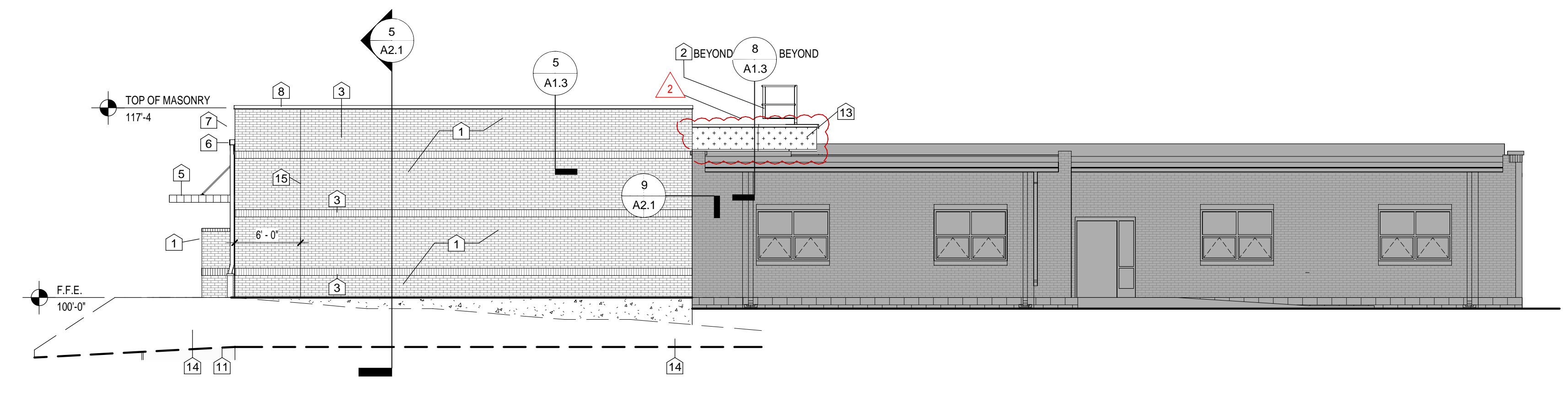
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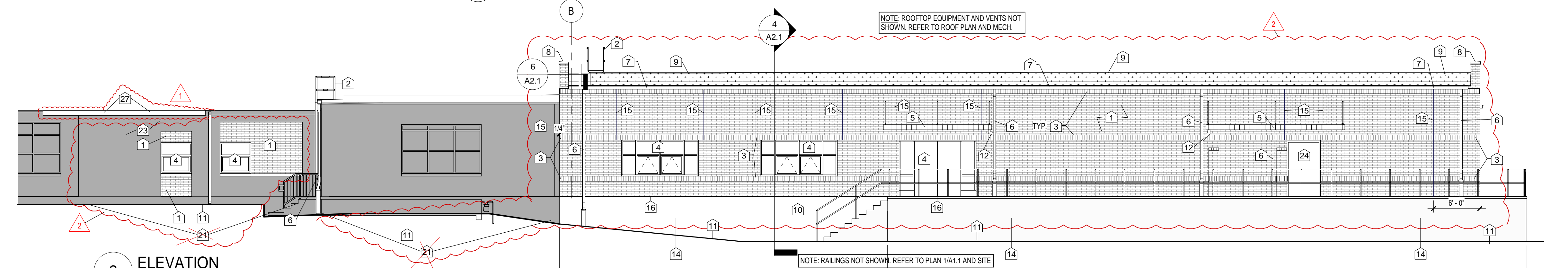
12 EXISTING PHOTOGRAPHS AT COOLER / FREEZER
NTS

2'-0" ± LENGTH OF NEW DRIP EDGE, FASCIA, GUTTER LENGTH OF COOLER FREEZER TO BE REMOVED

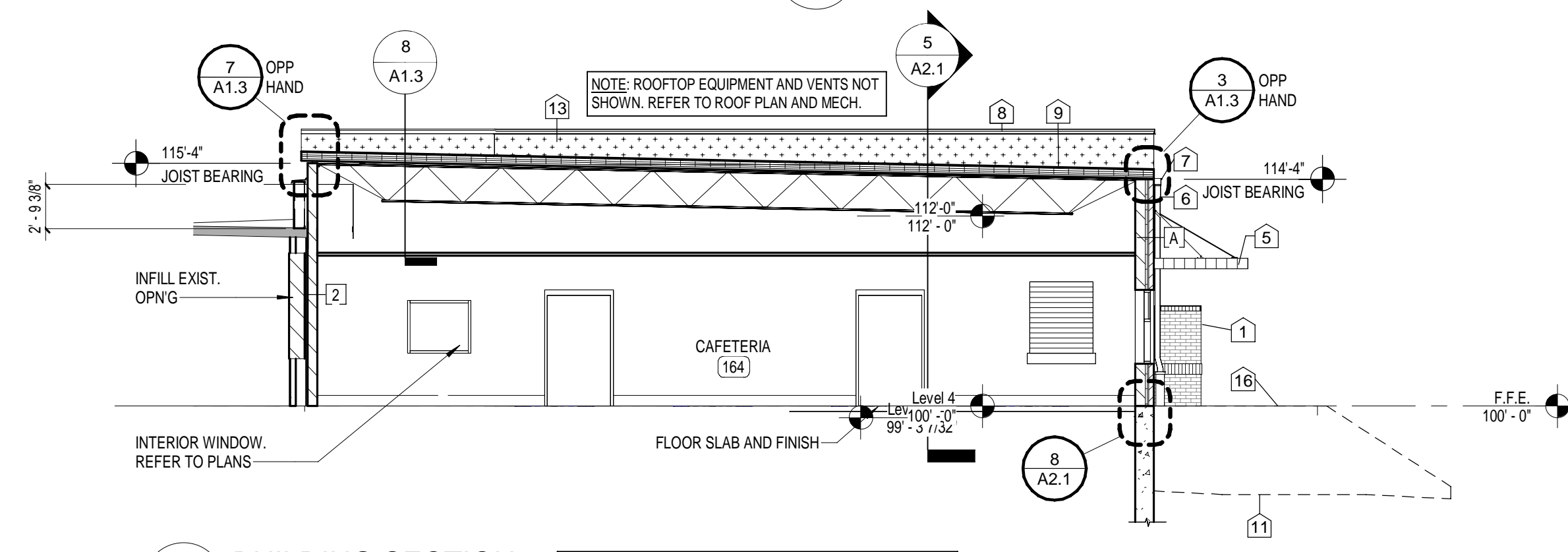
ALL NEW WORK TO BE PERFORMED IN COMPLIANCE WITH ROOFING MANUFACTURERS GUIDELINES AND MAINTAINING EXISTING ROOF WARRANTY



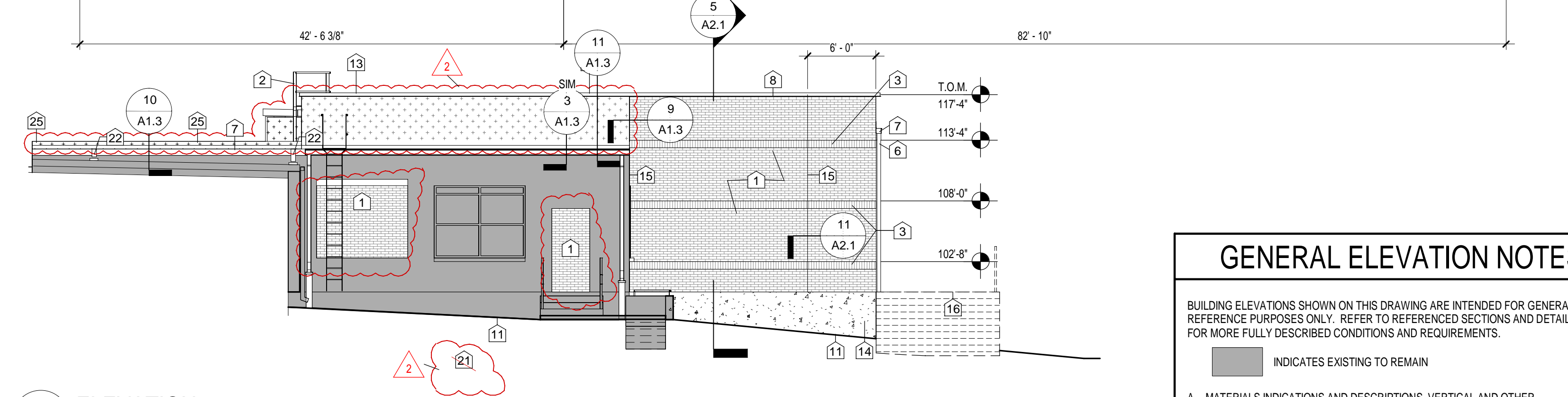
1 ELEVATION
1/8" = 1'-0"



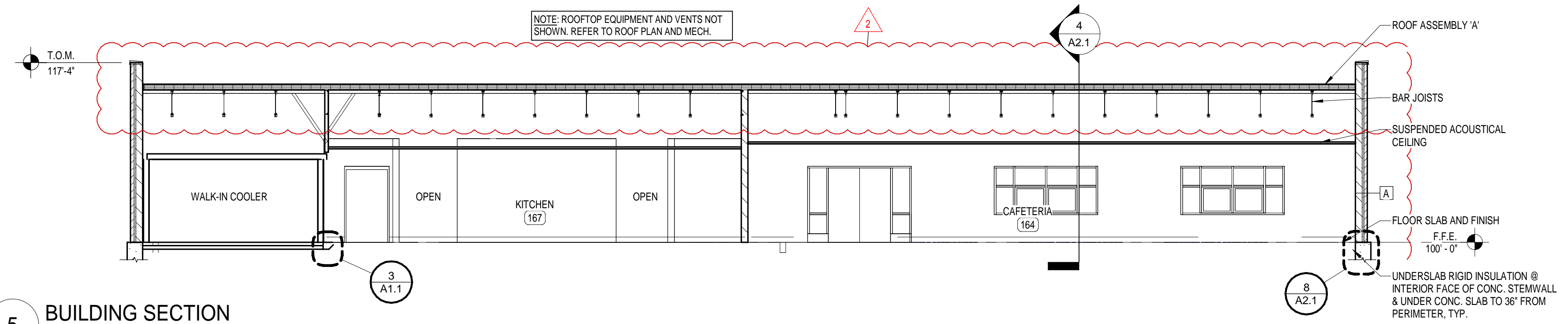
2 ELEVATION
1/8" = 1'-0"



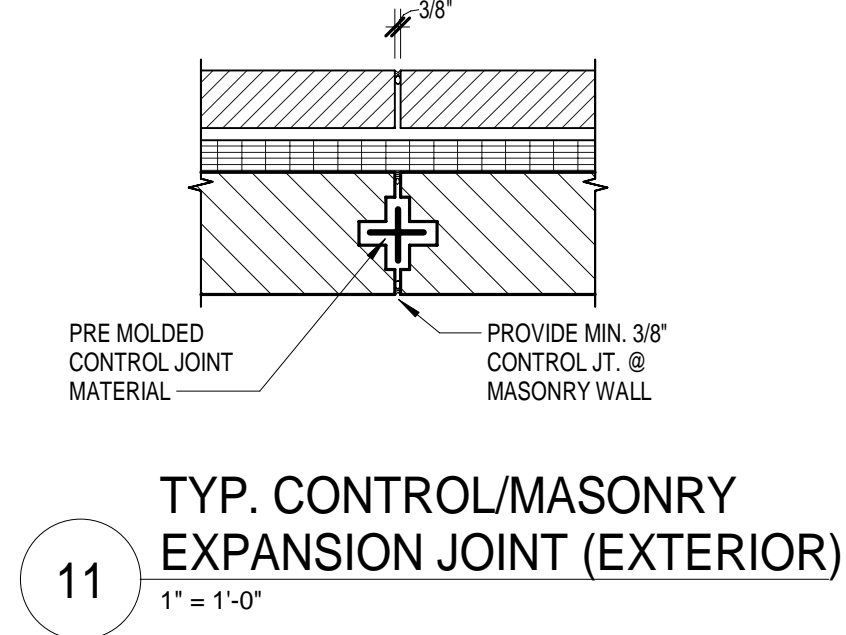
4 BUILDING SECTION
1/8" = 1'-0"



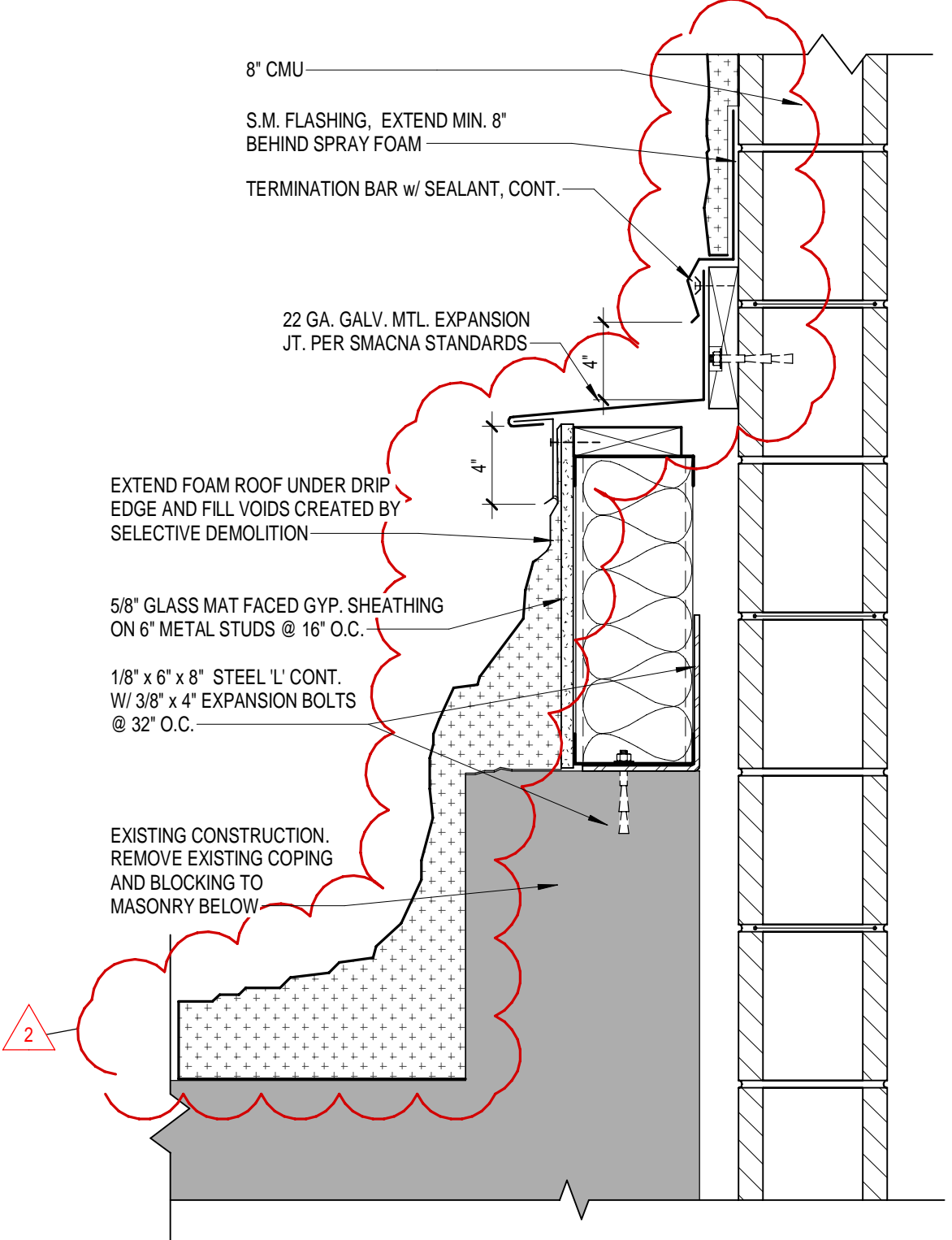
3 ELEVATION
1/8" = 1'-0"



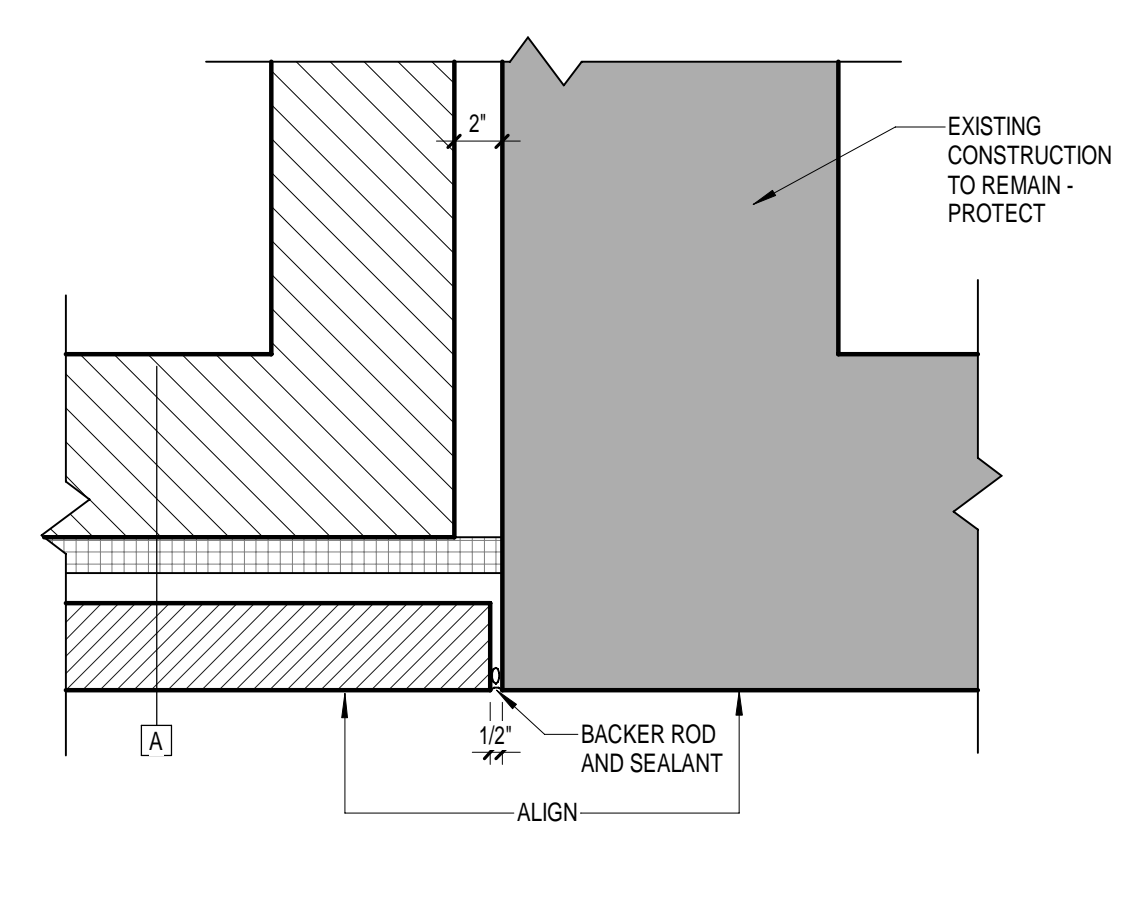
5 BUILDING SECTION
1/8" = 1'-0"



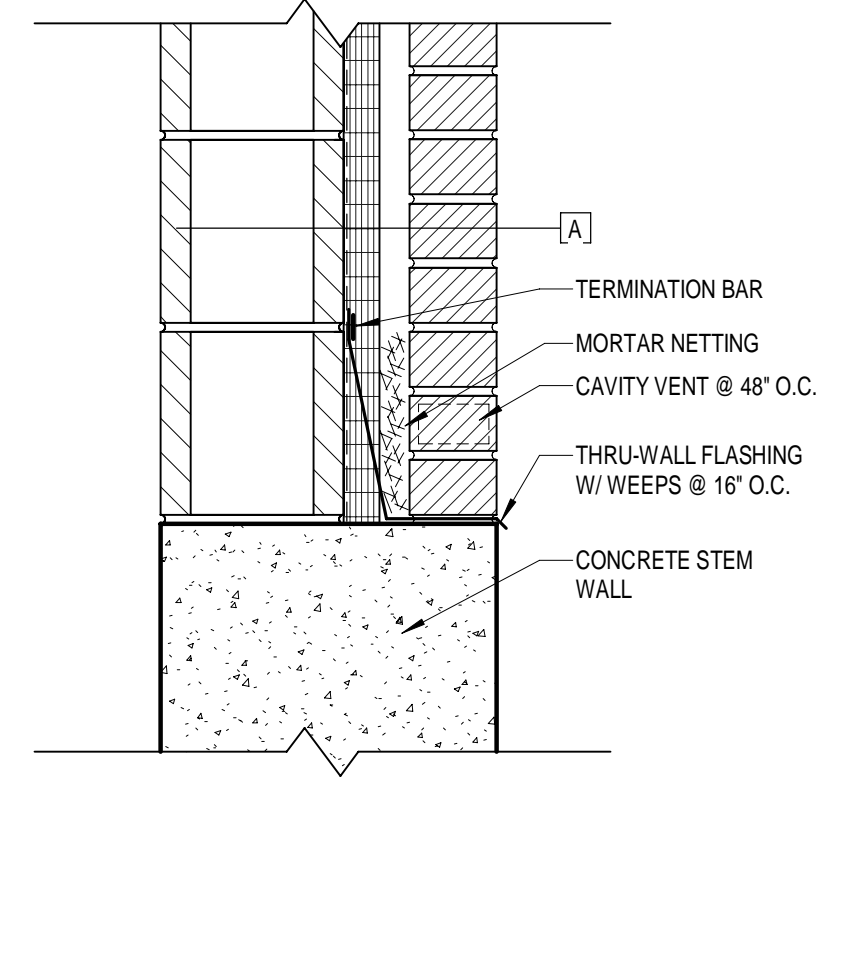
11 TYP. CONTROL/MASONRY EXPANSION JOINT (EXTERIOR)
1" = 1'-0"



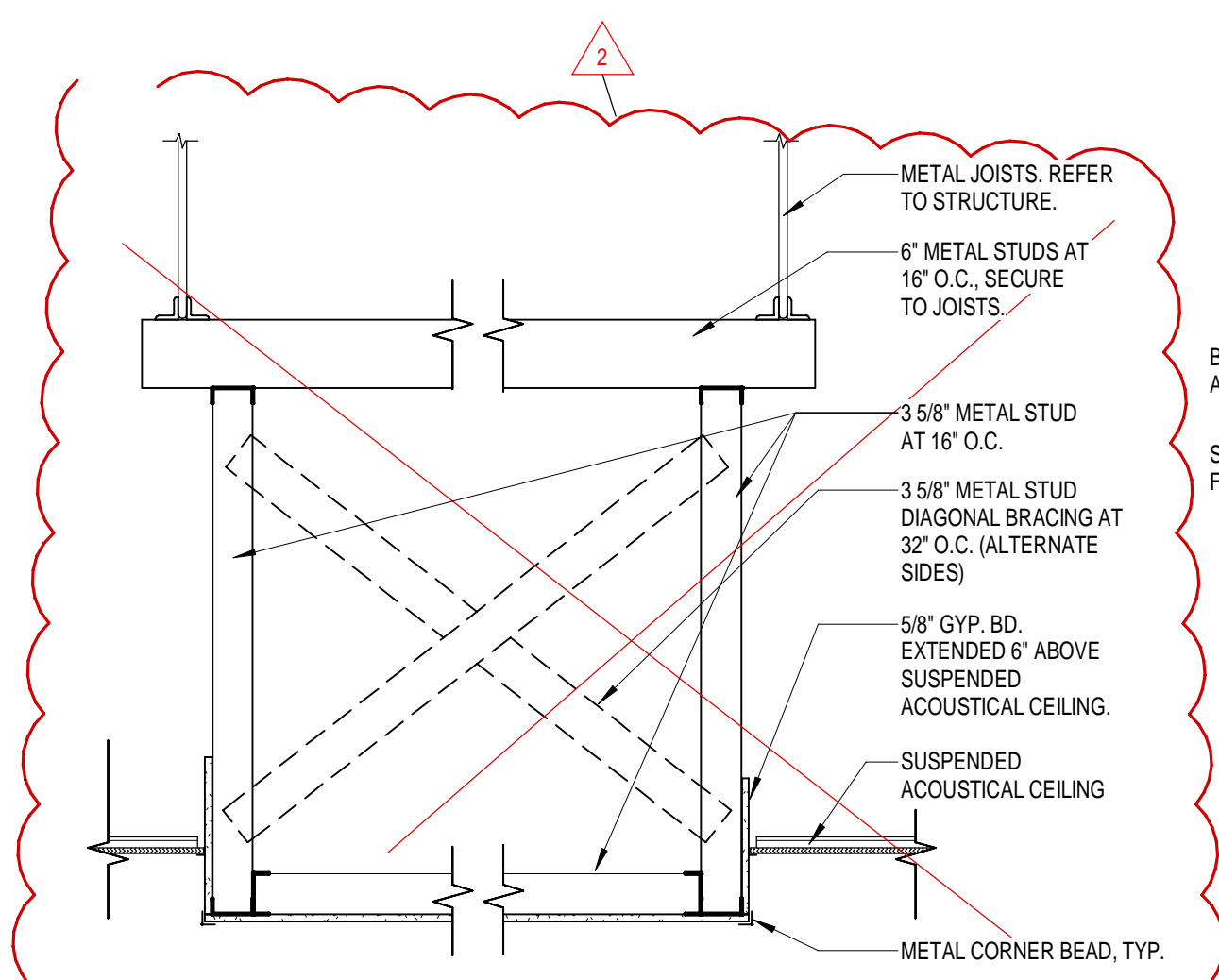
10 DETAIL
1 1/2" = 1'-0"



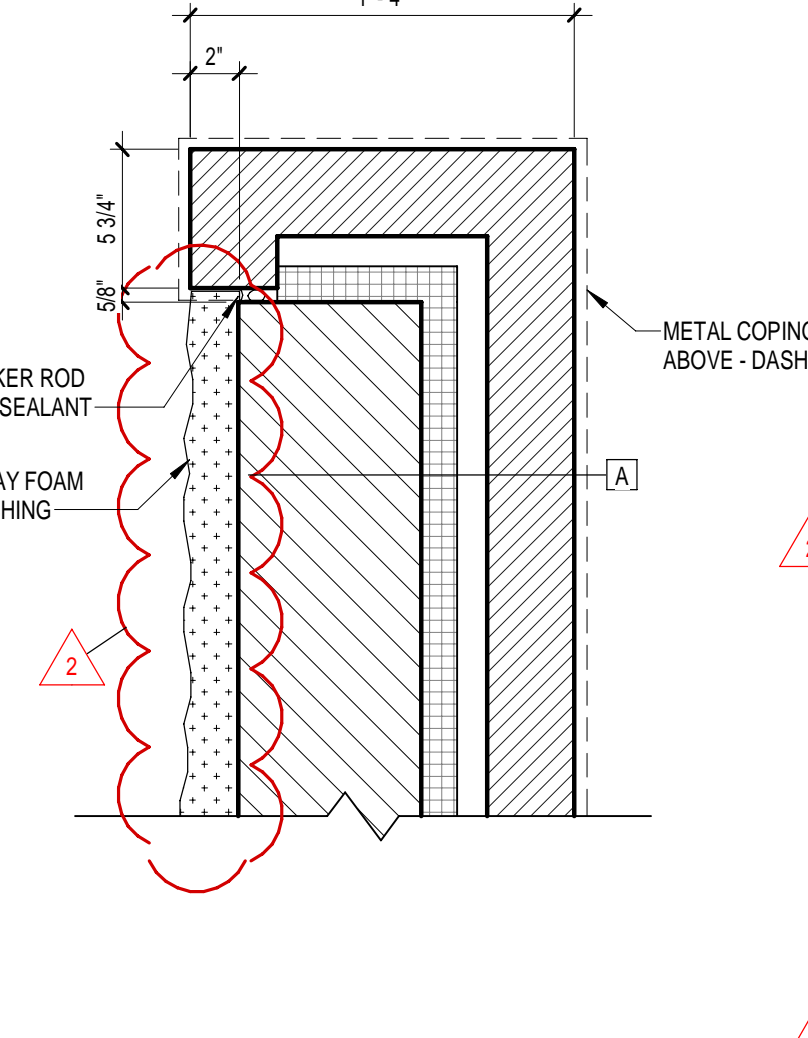
9 DETAIL
1 1/2" = 1'-0"



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



7 DETAIL
3/4" = 1'-0"



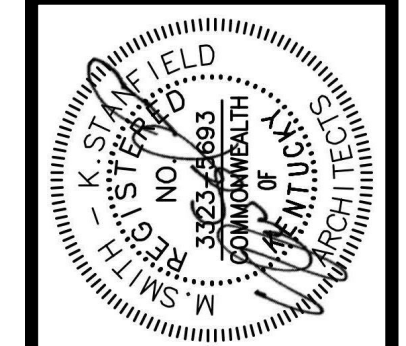
6 DETAIL
1 1/2" = 1'-0"

GENERAL ELEVATION NOTES

- BUILDING ELEVATIONS SHOWN ON THIS DRAWING ARE INTENDED FOR GENERAL REFERENCE PURPOSES ONLY. REFER TO REFERENCED SECTIONS AND DETAILS FOR MORE FULLY DESCRIBED CONDITIONS AND REQUIREMENTS.
- INDICATES EXISTING TO REMAIN
- MATERIALS INDICATIONS AND DESCRIPTIONS, VERTICAL AND OTHER DIMENSIONS SHOWN ON ONE BUILDING ELEVATION APPLY TO OTHER BUILDING ELEVATIONS WHERE SHOWN UNLESS NOTED OTHERWISE.
- LINE REPRESENTING PAVING AND FINISH GRADES ARE APPROXIMATE AND ARE SHOWN FOR REFERENCE PURPOSES ONLY. REFER TO SITE PLANS FOR SPECIFIC GRADE AND SPOT ELEVATIONS AT EACH RESPECTIVELY.
- REFER TO FLOOR PLANS FOR LOCATION AND DOOR SCHEDULE FOR FULL EXTENT AND COMPLETE DESCRIPTION OF DOOR AND FRAME TYPES. PORTIONS OF WALLS, DOORS, AND HANDRAILS MAY BE CONCEALED BY OTHER BUILDING FEATURES SHOWN.
- REFER TO FLOOR PLANS FOR SPECIFIC ALUMINUM STOREFRONT TYPES AND WINDOW ELEVATIONS.
- LOCATIONS OF CONTROL/EXPANSION JOINTS IN MASONRY WALLS ARE SHOWN ON THIS DRAWING. SEE TYPICAL DETAILS ON SHEET A6.1 FOR SPECIFIC REQUIREMENTS AT RESPECTIVE LOCATIONS.
- ALL EXPOSED NEW EXTERIOR MASONRY SHALL RECEIVE APPLICATION OF SPECIFIED WATER REPELLENT.

ELEVATION KEY NOTES

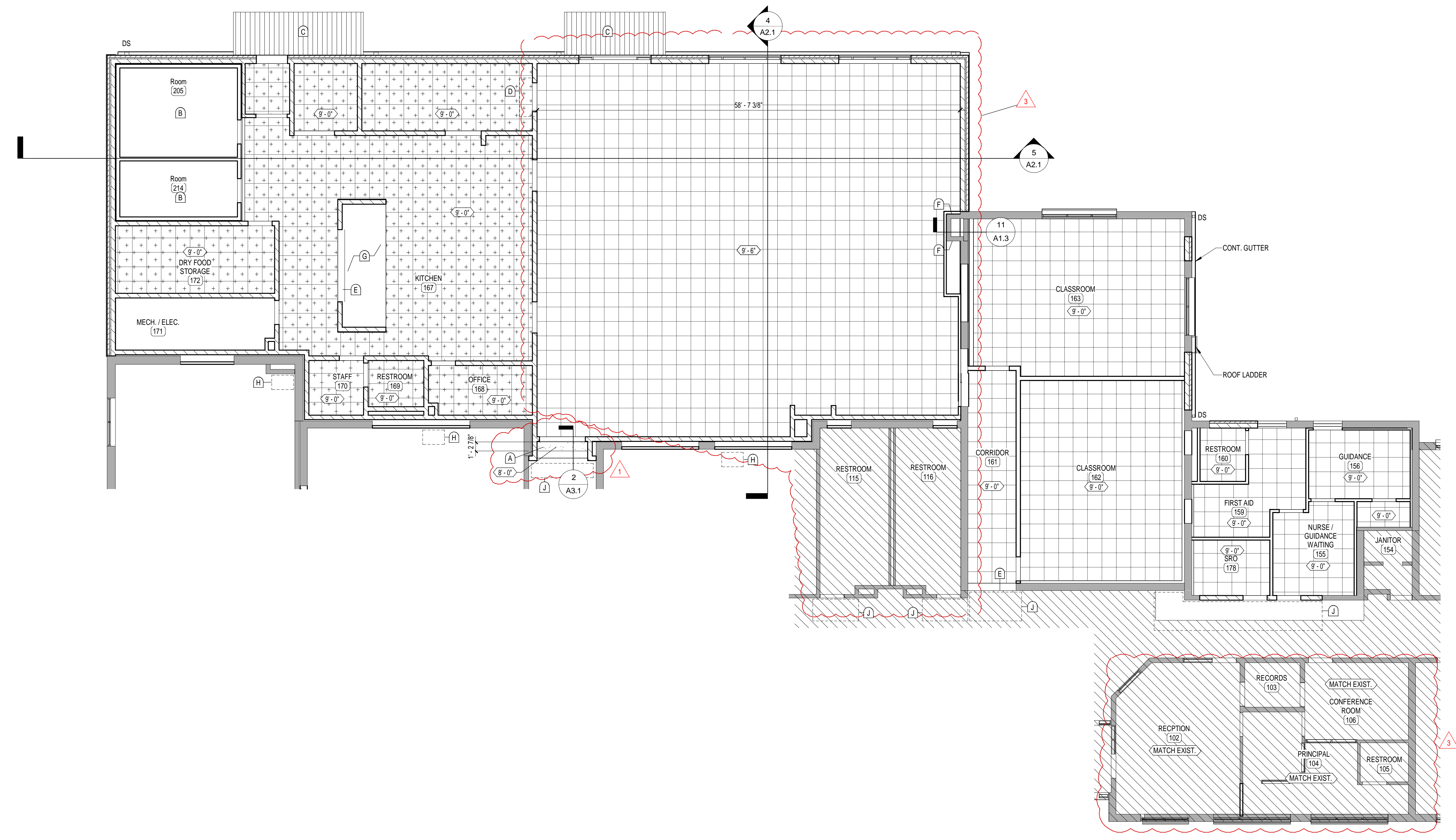
- NOTE: NOT ALL NOTES APPLY TO THIS SHEET.
- FACE BRICK, N. RUNNING BOND PATTERN. ALIGN WITH ADJACENT EXISTING BRICK WHERE APPLICABLE.
- LADDER TO ROOF. REFER TO ROOF PLAN.
- SOLDIER COURSE BRICK BAND FLUSH & ADJACENT. PROVIDE SOLID UNITS AT CORNERS.
- ALUMINUM FRAME STOREFRONT SYSTEM. REFER TO SHEET A4.1.
- MANUFACTURED CANOPY. REFER TO ROOF PLAN.
- DOWNSPOUT. EXTEND TO BOOT. REFER TO ROOF PLAN AND SITE DEVELOPMENT DRAWINGS.
- GUTTER. REFER TO ROOF PLAN.
- COPING. REFER TO ROOF DETAILS.
- ROOF ASSEMBLY TYPE 'A'.
- CONCRETE STEPS. REFER TO SITE.
- FINISH GRADE VARIES. REFER TO SITE DRAWINGS.
- CANOPY DOWNSPOUT DISCHARGE INTO ADJACENT BUILDING DOWNSPOUT.
- SPRAY FOAM ROOFING APPLIED TO VERTICAL WALL.
- CONCRETE STEM WALL FOR PLATFORM / RAMP. REFER TO SITE.
- MASONRY EXPANSION JOINTS. FULL HEIGHT. REFER TO DETAIL 11A/2.1.
- CONCRETE PLATFORM / RAMP EDGE. REFER TO SITE.
- ROOF EXPANSION BELLOWS. CONT.
- MODIFY EXISTING ROOF SLOPE WITH NEW SPRAY FOAM ROOFING OVER PREPARED SURFACE OF EXISTING SPRAY FOAM ROOFING. REFER TO ROOF PLAN.
- RAMP BEYOND. REFER TO SITE.
- APPROXIMATE ROOF DRAIN LOCATION. REFER TO ROOF PLAN.
- APPLY WATER REPELLENT SEALER AT ALL NOTED EXTERIOR BRICK, WHERE EXISTING OPENINGS RECEIVE NEW BRICK. GLEAM EXISTING MASONRY FULL LENGTH OF WALL FROM / TO NEAREST CORNER AND APPLY REPELLENT TO EXISTING BRICK ALSO.
- DOWNSPOUT. DISCHARGE TO SPLASHBLOCK ON ROOF.
- FILL ALL HOLES IN EXISTING EXTERIOR BRICK WALL AND CONCRETE STEM WALL RESULTANT FROM DEMOLITION OF STRUCTURE CONTAINING COOLER/FREEZER CORRIDOR WITH CUSTOM COLOR SEALANT & MATCH EXISTING. BROADCAST SAND IN INSTALLED SEALANT.
- H.M. DOOR AND FRAME. PAINT.
- SHEET METAL FASCIA. SEE DETAIL 10A1.3.
- VERTICAL 2X2 SHEET METAL.
- WHERE COOLER / FREEZER HAS BEEN REMOVED, NEW DRIP EDGE AND GUTTER TO BE INSTALLED TO MATCH EXISTING. NEW FASCIA AND BLOCKING AS REQUIRED. APPROXIMATE LENGTH 21' 0" ± VERIFY IN FIELD. REMOVE EXISTING SPRAY FOAM ROOF AS REQUIRED. SEE PHOTOS 12 THIS SHEET. NEW DOWNSPOUT THE INTO EXISTING GUTTER.



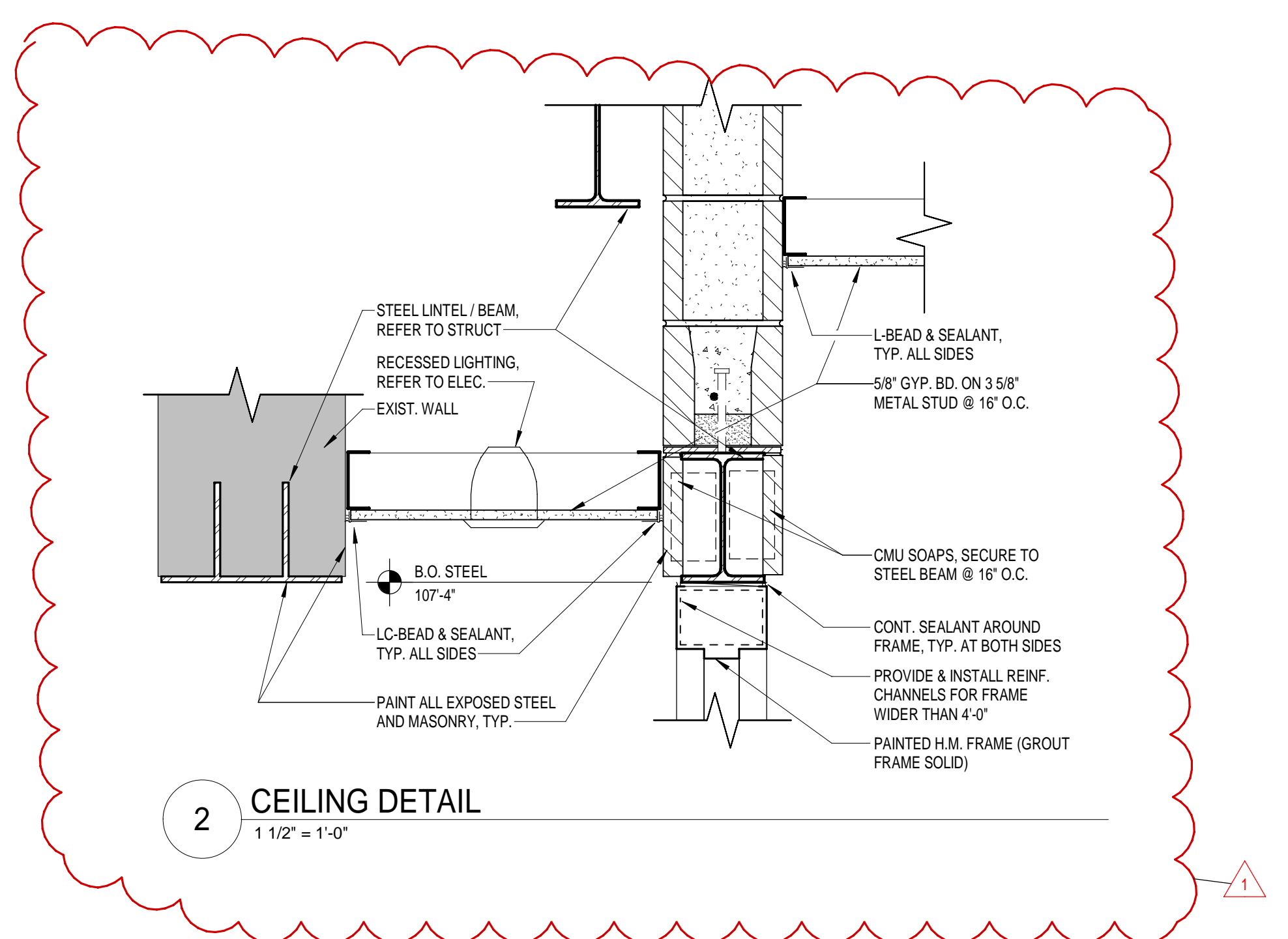
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CHECKED	TSS/BKL	
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3	ADDENDUM #3	09 • 11 • 23

SHEET

A3.1



1 REFLECTED CEILING PLAN
1/8" = 1'-0"



2 CEILING DETAIL
1 1/2" = 1'-0"

REFLECTED CEILING PLAN KEY NOTES

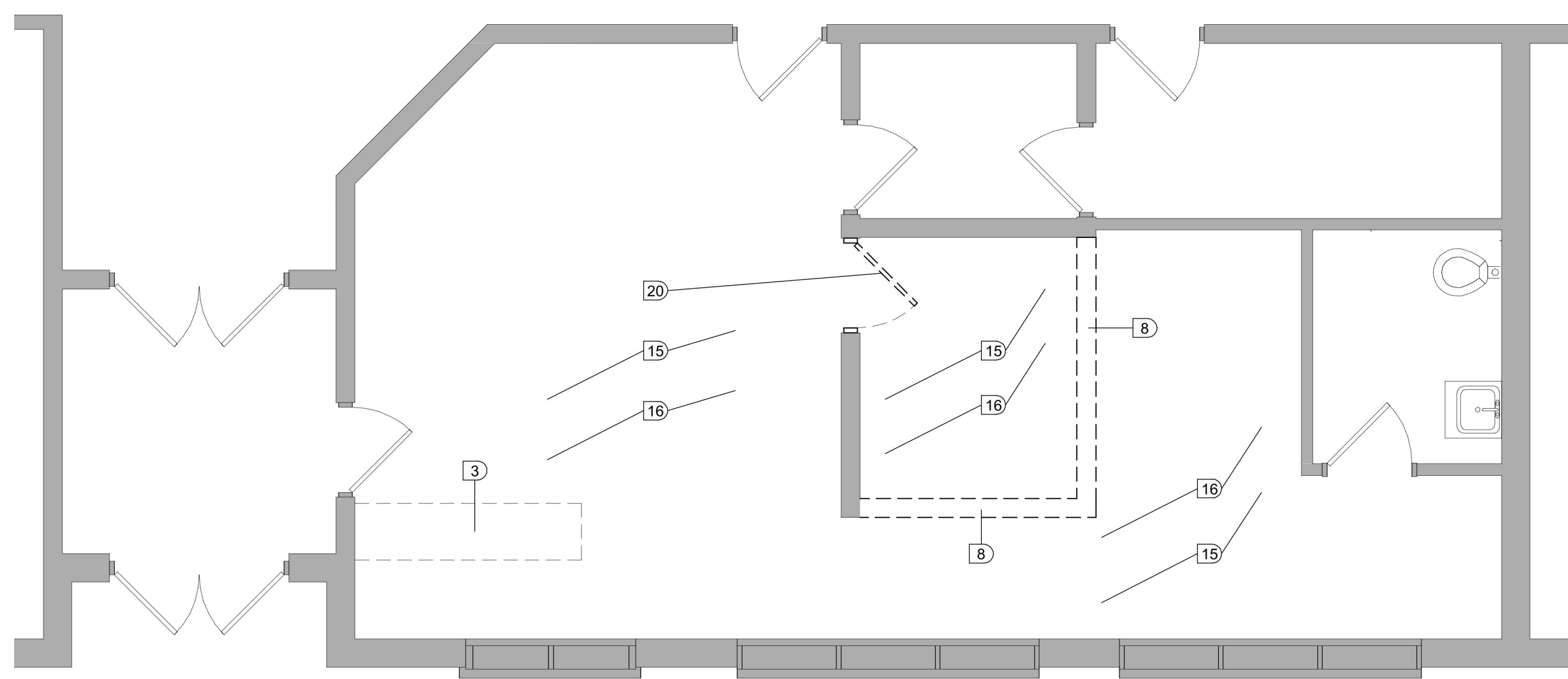
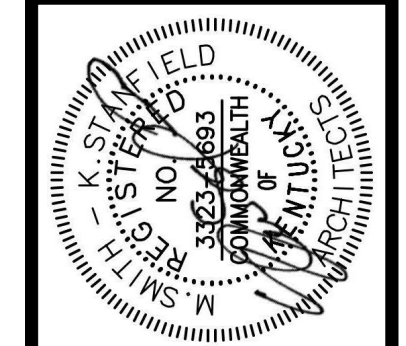
- NOTE: NOT ALL NOTES APPLY TO THIS SHEET.
- A. GYP BD SOFFIT. PRIME AND PAINT.
 - B. CEILING OF WALK-IN COOLER/FREEZER OPEN TO STRUCTURE ABOVE.
 - C. CANOPY. REFER TO ROOF PLAN.
 - D. OVERHEAD COILING SHUTTER. REFER TO PLANS.
 - E. CMU BULKHEAD.
 - F. CONTROL JOINT. (NOTE NOT USED)
 - G. KITCHEN RANGE HOOD. REFER TO MECH. DWGS.
 - H. REMOVE AND REPLACE EXISTING ACOUSTICAL CEILING TILE AND SUSPENSION SYSTEM FOR PLACEMENT OF NEW ROOF DRAINS / LEADERS.
 - J. REMOVE AND REPLACE EXISTING ACOUSTICAL CEILING TILE AND SUSPENSION SYSTEM AS REQ'D TO FACILITATE NEW MASONRY OPENINGS.

REFLECTED CEILING LEGEND

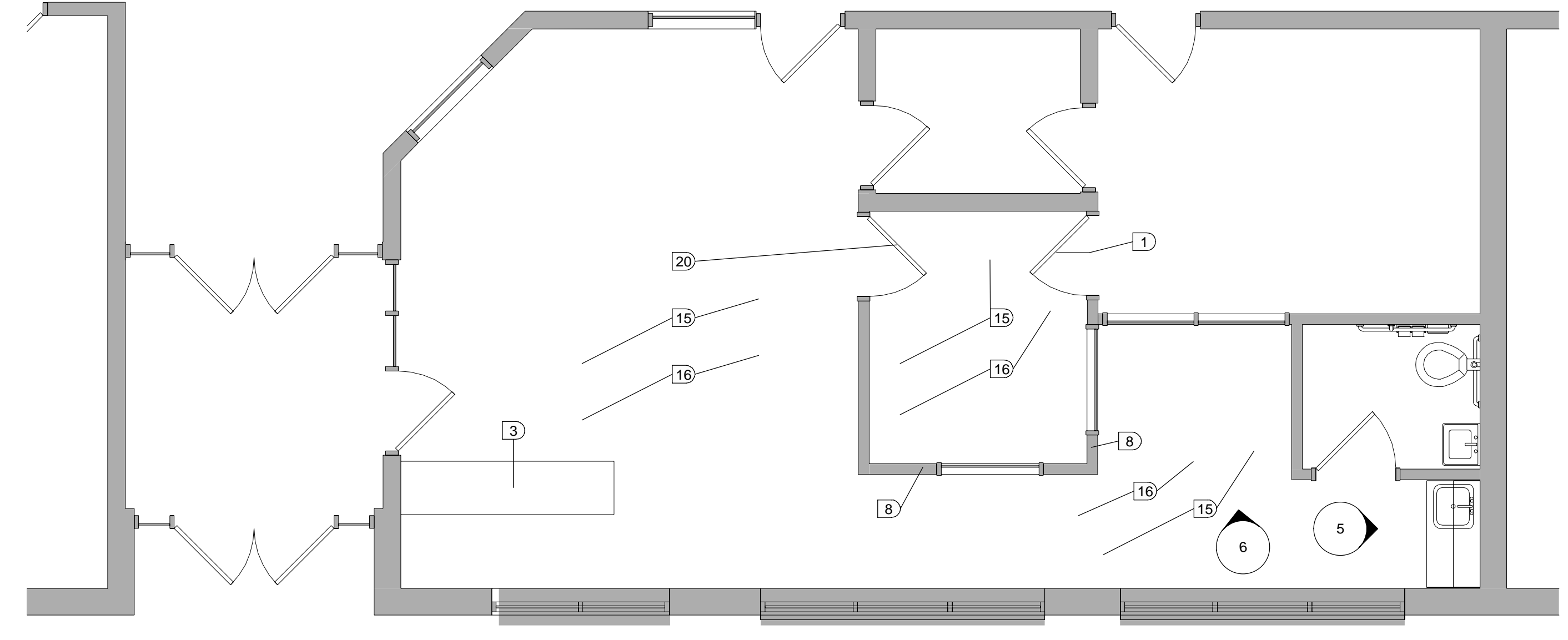
	TYPE A 2x2' SUSPENDED ACOUSTICAL CEILING.
	TYPE B 2x2' VINYL FACED SUSPENDED ACOUSTICAL CEILING.
	GYP. BD. PRIME AND PAINT.
	OPEN TO STRUCTURE ABOVE.

GENERAL CEILING NOTES

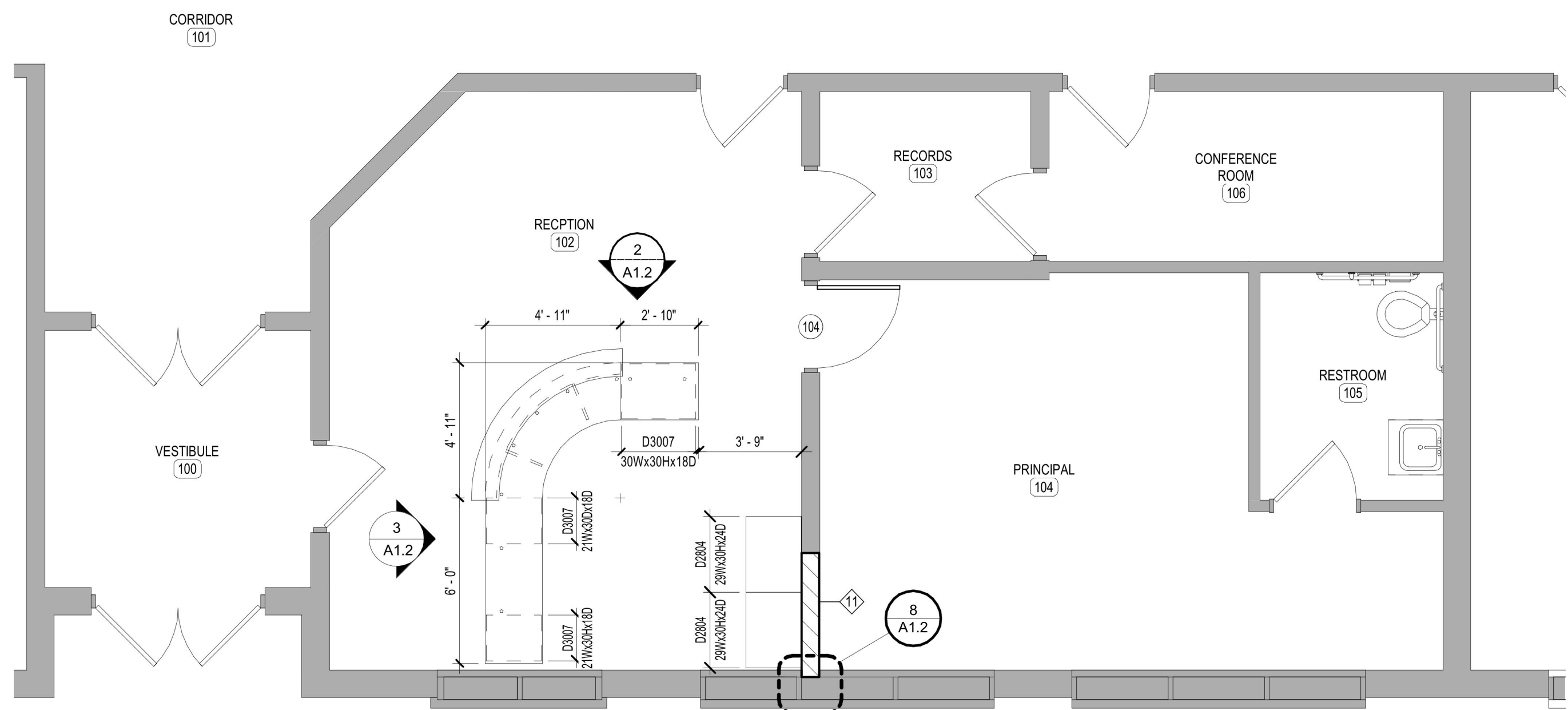
1. REFER TO MECHANICAL AND/OR ELECTRICAL DRAWINGS FOR TYPE, SIZE AND OTHER REQUIREMENTS PERTAINING SPECIFICALLY TO THE REFLECTED CEILING PLANS.
2. REFER TO WALL PARTITION TYPES FOR DESCRIPTION OF WALLS EXTENDING (OR NOT) TO UNDERSIDE OF DECKING AND/OR STRUCTURE ABOVE.
3. INSTALL SPRINKLER HEADS IN THE CENTER OF CEILING PANELS.
4. CONTRACTOR TO SUBMIT FULL COORDINATION DRAWINGS FOR ALL CEILING ITEMS INCLUDING JOIST SPACING, LIGHTING, HVAC LAYOUT AND FIRE PROTECTION SYSTEMS.



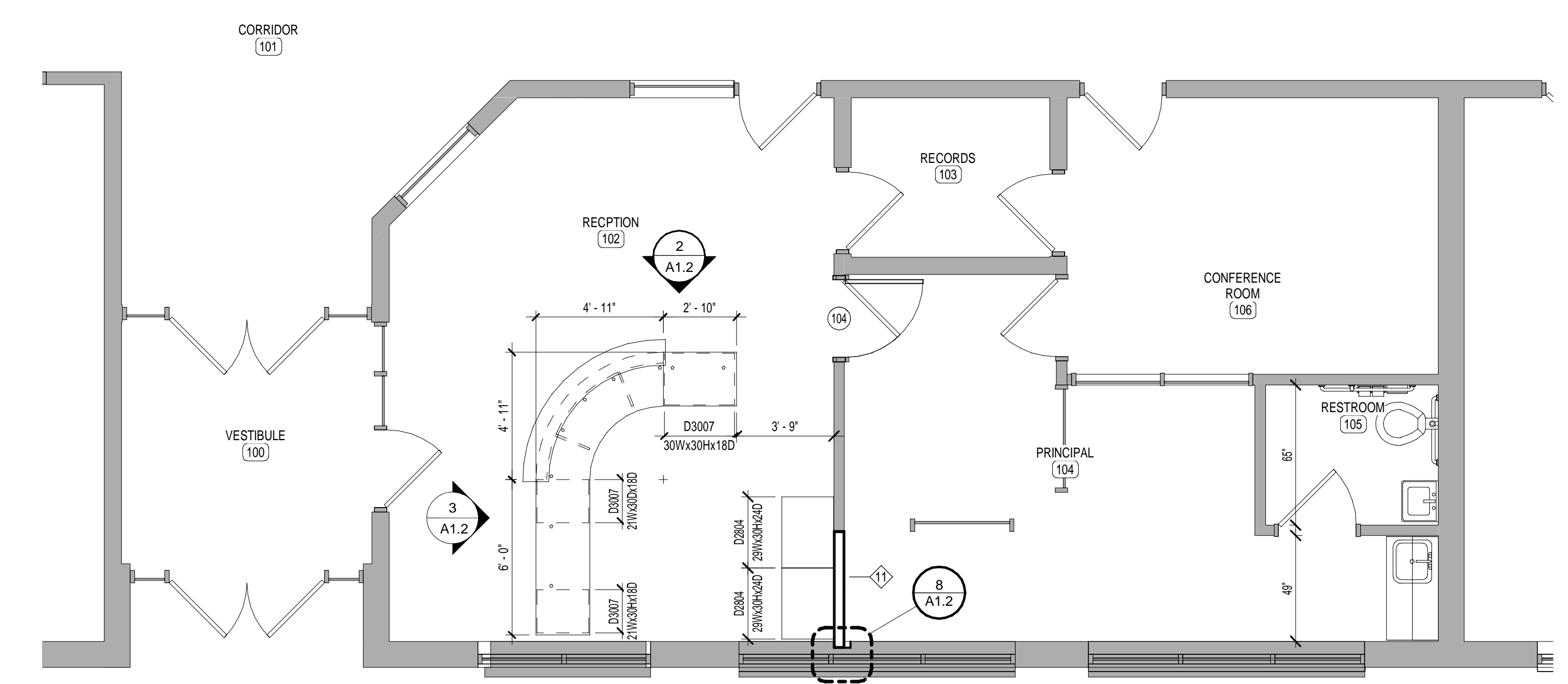
3 Admin Bid Demo
1/4" = 1'-0"



1 DEMOLITION PLAN-Admin_ Revised
1/4" = 1'-0"



4 Admin Bid
1/4" = 1'-0"



2 ENLARGED PLAN-Admin_ Revised
1/4" = 1'-0"



6 Existing Photo - Admin 2
NTS



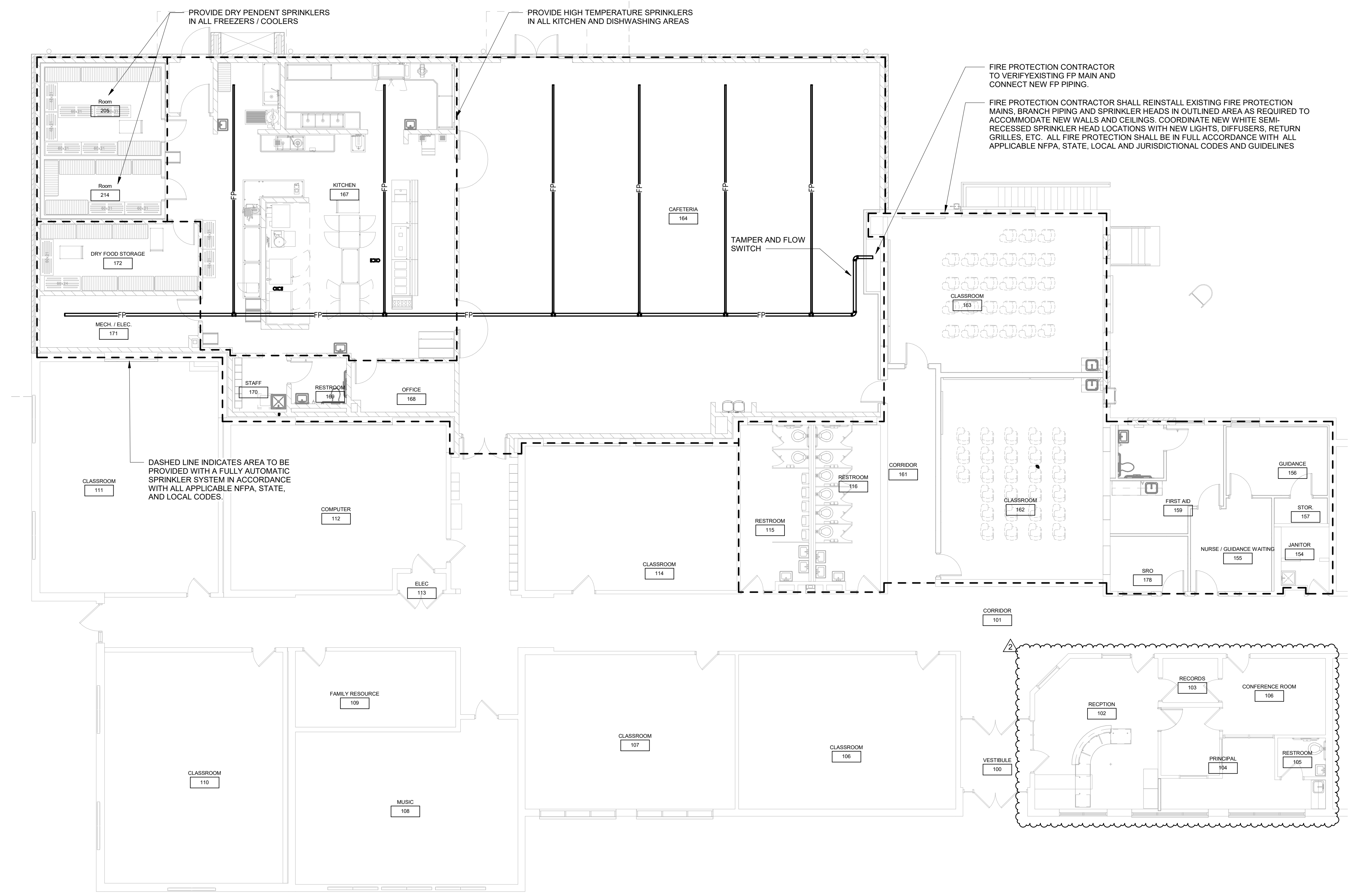
5 Existing Photo - Admin 1
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DATE	08 / 03 / 23
DRAWN	Author
CHECKED	TSS / BKL

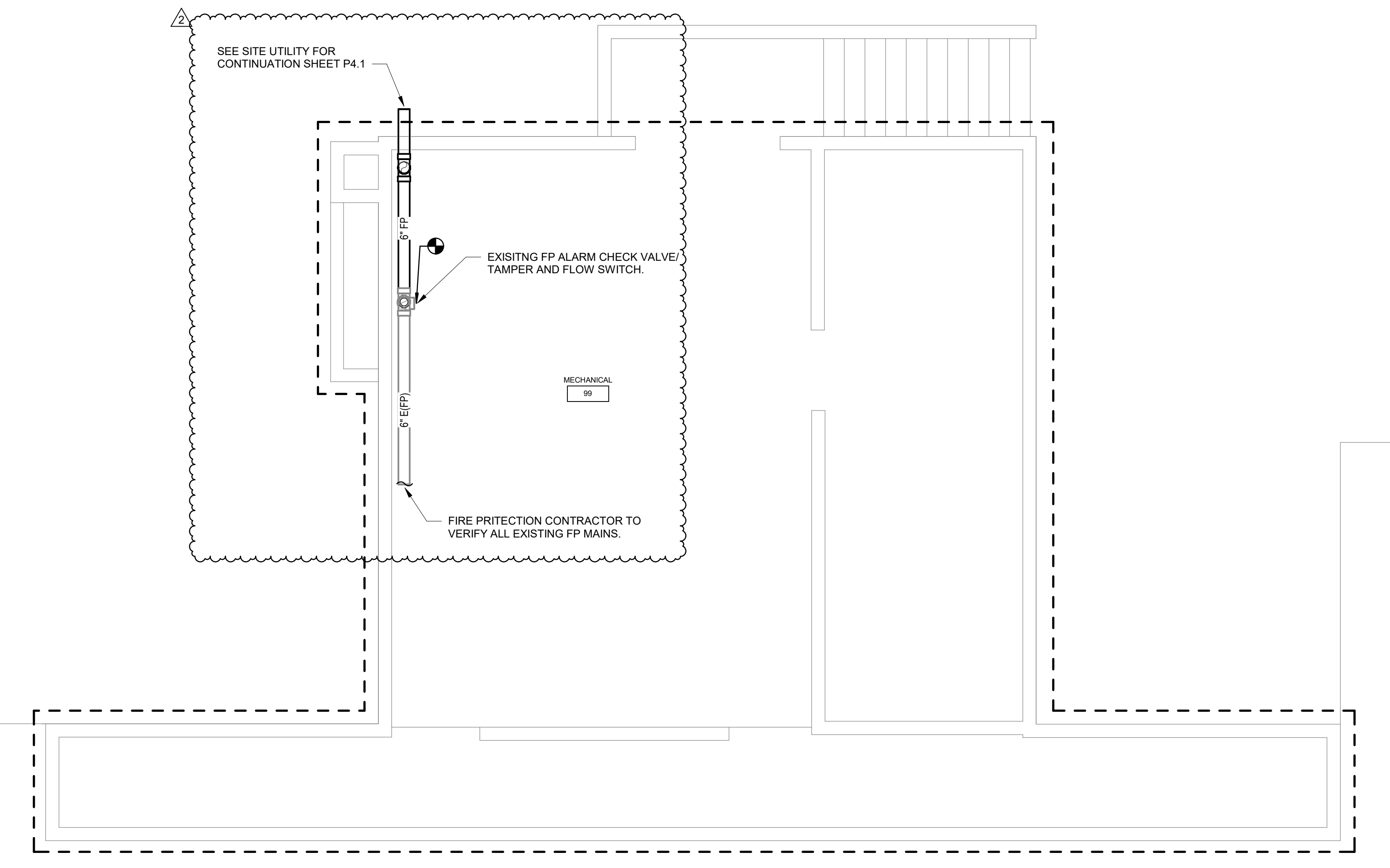
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SHEET



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



2 ENLARGED BASEMENT PLAN - FIRE PROTECTION
SCALE: 1/4" = 1'-0"

PLUMBING LEGEND

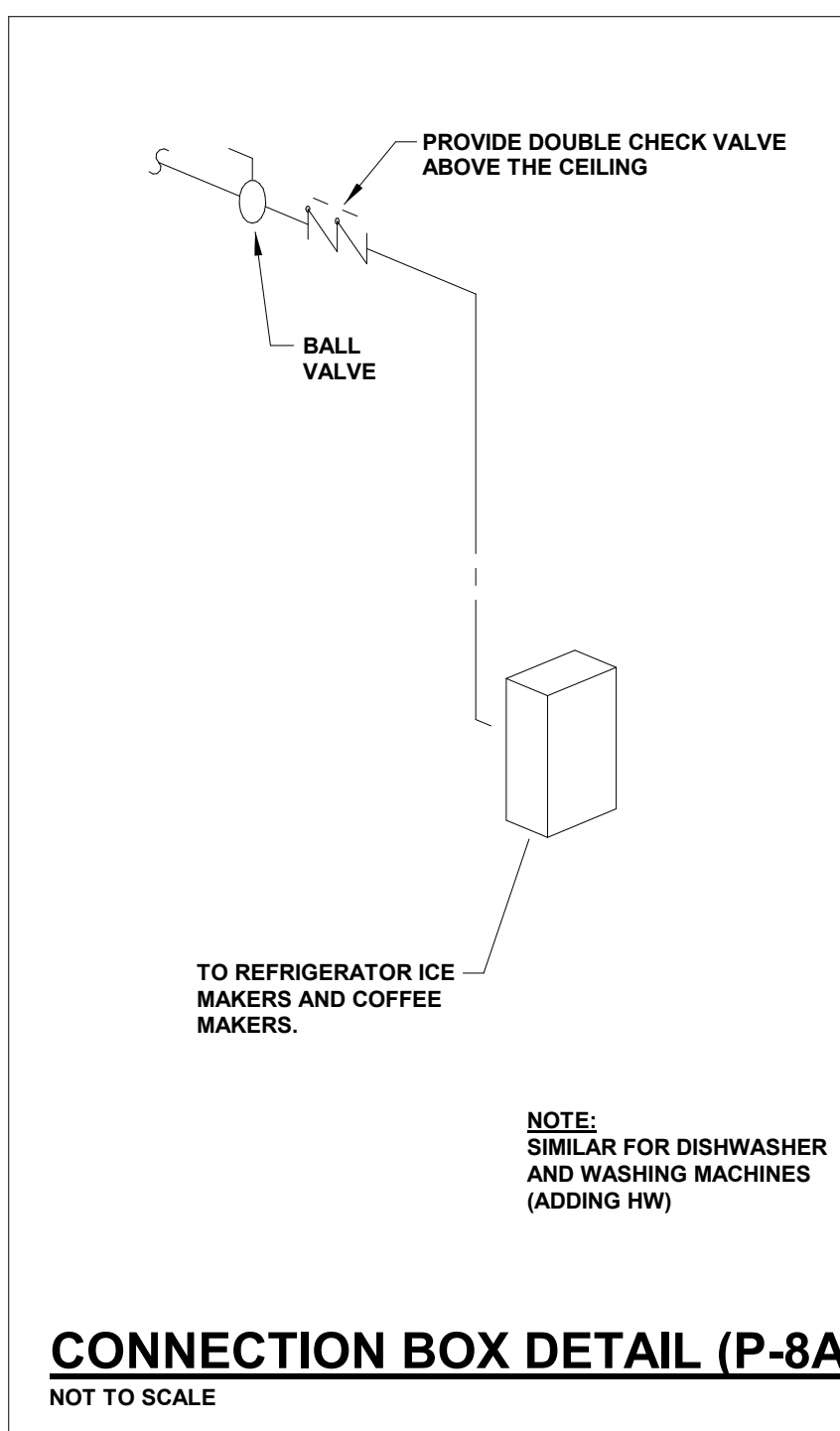
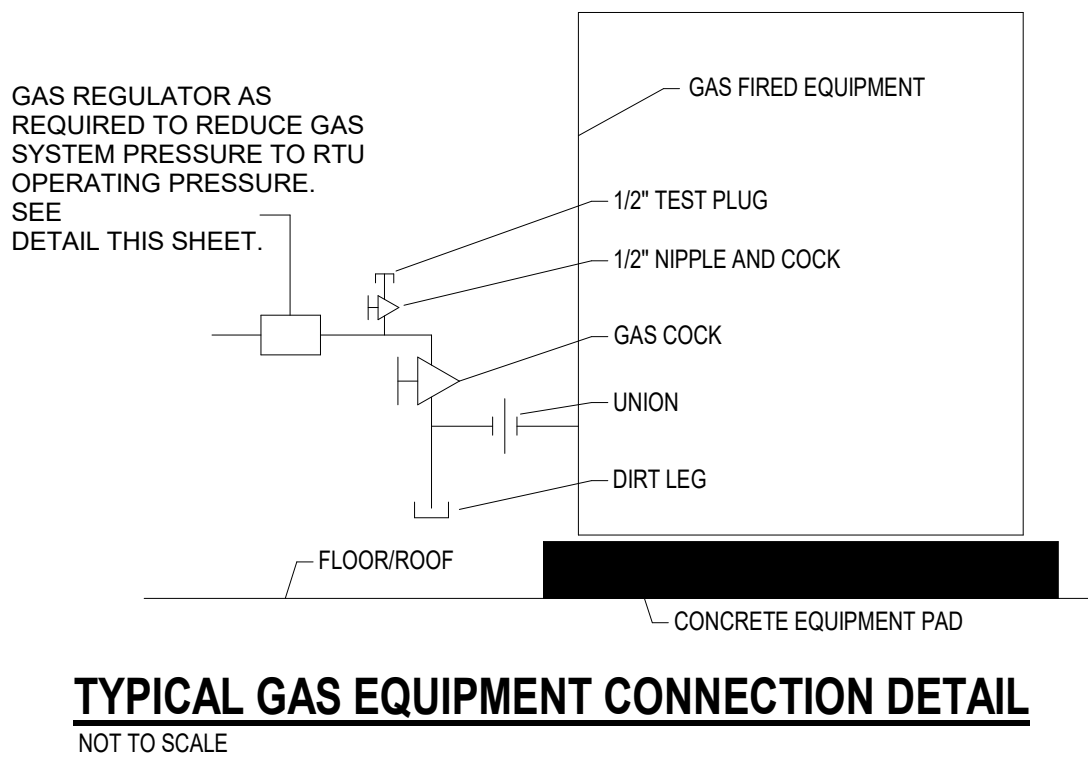
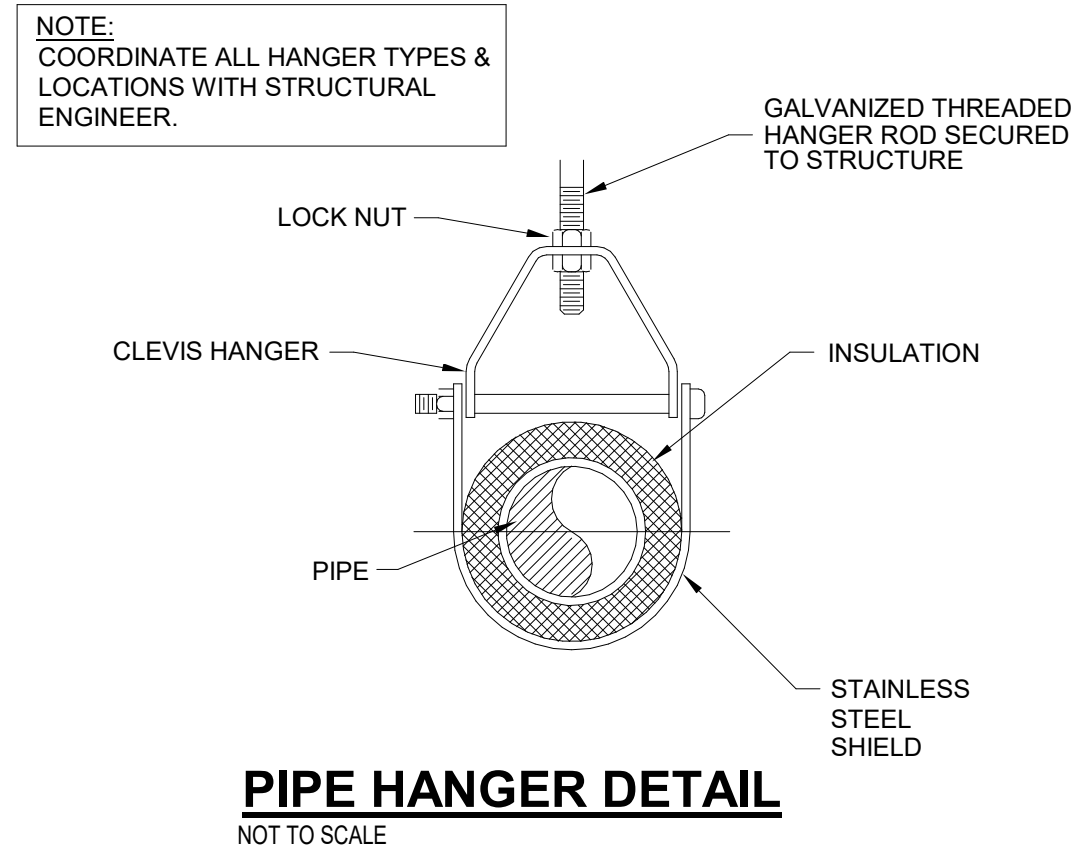
ABOVE FINISHED FLOOR	AFF	EXISTING SANITARY PIPING	—E(SAN)—
BELOW FINISHED FLOOR	BFF	EXISTING STORM PIPING	—E(SS)—
CAST IRON	CI	EXISTING OVERFLOW STORM PIPING	—E(OSS)—
CLEANOUT	CO	EXISTING SANITARY VENT PIPING	—E(V)—
COLD WATER	CW	EXISTING DOMESTIC COLD WATER PIPING	—E(CW)—
DOMESTIC WATER CIRCULATING PUMP	DP	SANITARY PIPING	—SAN—
ELECTRICAL CONTRACTOR	EC	STORM PIPING	—SS—
EXPANSION TANK	ET	OVERFLOW STORM PIPING	—OSS—
FLOOR DRAIN	FD	SANITARY VENT PIPING	—V—
GENERAL CONTRACTOR	GC	DOMESTIC COLD WATER PIPING	——
HOSE BIBB	HB	DOMESTIC HOT WATER PIPING (120° F)	— — — —
HOT WATER	HW	DOMESTIC HOT WATER RETURN PIPING (120° F)	— · — · — ·
INVERT ELEVATION	IE	RELIEF VALVE DISCHARGE	—RVD—
MECHANICAL CONTRACTOR	MC	PRESSURE RELIEF VALVE	—PRV—
MIXING VALVE	MV	UNION	—U—
NOT TO SCALE	NTS	DIAL THERMOMETER	—T—
OPEN RECEPTACLE	OR	PRESSURE GAUGE	—PG—
PLUMBING CONTRACTOR	PC	BALANCING VALVE	—BV—
POLYVINYL CHLORIDE	PVC	CHECK VALVE	—CV—
ROOF DRAIN	RD	DOUBLE CHECK VALVE ASSEMBLY	—DCVA—
TYPICAL	TP	BALL VALVE	—BV—
VENT THROUGH ROOF	VTR	BALL VALVE IN RISER	—BV(R)—
WATER HAMMER ARRESTOR	WHA	PIPING ELBOW (TURNED UP/DOWN)	—E—
WATER HEATER	WH	PIPING TEE (TURNED UP/DOWN)	—T—
		REDUCED PRESSURE BACKFLOW PREVENTER	—RPBP—
		PRESSURE REDUCING VALVE	—PRV—

PLUMBING FIXTURE SCHEDULE

DESIGNATOR	FIXTURE	CW	HW	SAN	VENT
P-1B	WATER CLOSET - FLOOR MOUNT, MANUAL OPERATED FLUSH VALVE, 1.28 GPF, ADA	1 1/2"	—	4"	2"
P-2A	LAVATORY - WALL HUNG, GOOSENECK WITH MANUAL WRIST BLADE HANDLES, 0.5 GPM, ADA	1/2"	1/2"	1 1/2"	1 1/2"
P-4	STAINLESS STEEL SINGLE COMPARTMENT SINK - COUNTERTOP DROP-IN, GOOSENECK FAUCET WITH MANUAL WRIST BLADE HANDLES, 1.0 GPM, ADA	1/2"	1/2"	1 1/2"	1 1/2"
P-5	DRINKING FOUNTAIN, DUAL HEIGHT, BOTTLE FILLING STATION, FILTERED, ADA	1/2"	—	1 1/2"	1 1/2"
P-6	24"x24" MOP SINK	3/4"	3/4"	3"	1 1/2"
FD-2	FLOOR DRAIN - KITCHEN	—	—	4"	2"
FD-3	FLOOR DRAIN - MECHANICAL ROOM. PROVIDE TRAP PRIMER CONNECTION	—	—	4"	2"
FS-1	FLOOR SINK - KITCHEN	—	—	4"	2"
FPWH	FREEZE-PROOF WALL HYDRANT - RECESSED IN LOCKABLE ENCLOSURE	3/4"	—	—	—
HB	HOSE BIBB - RECESSED IN LOCKABLE ENCLOSURE	3/4"	—	—	—

NOTES:

- PIPE SIZES ARE AS INDICATED UNLESS OTHERWISE NOTED ON FLOOR PLANS AND RISER DIAGRAMS.
- MINIMUM 2" SANITARY PIPING UNDERGROUND.
- PROVIDE ALL REQUIRED PIPING TO FIXTURES INDICATED ON THE FLOOR PLANS, INDICATED WITH A "P" DESIGNATION. PROVIDE PIPING OF SIZE INDICATED IN THIS SCHEDULE.
- PIPE ALL EQUIPMENT (SUPPLIED BY OTHERS) AS REQUIRED TO OBTAIN A FULL AND OPERATIONAL SYSTEM. PROVIDE BACKFLOW PROTECTION AS REQUIRED BY THE DETAILS AND BY THE KENTUCKY PLUMBING CODE. ALL EQUIPMENT SHALL BE CONNECTED PER THE MANUFACTURER'S REQUIREMENTS. THE PLUMBING CONTRACTOR SHALL ALSO INSTALL ANY DRAIN PIPING CONNECTIONS AND SPILL INDIRECTLY TO EITHER AN OPEN RECEPTACLE OR FLOOR DRAIN. REFER TO ARCHITECTURAL PLANS FOR EXACT PLACEMENT OF ALL EQUIPMENT.



RECIRCULATING PUMP

TAG	DP-1
MANUFACTURER	BELL & GOSSETT
MODEL	PL-36
SERVICE	120° LOOP
VOLTAGE / PHASE	115/1
HP	1/12
FLOW (GPM)	5.0
HEAD (FT.)	20.0
ALL BRONZE BODY	YES
100% LEAD FREE	YES

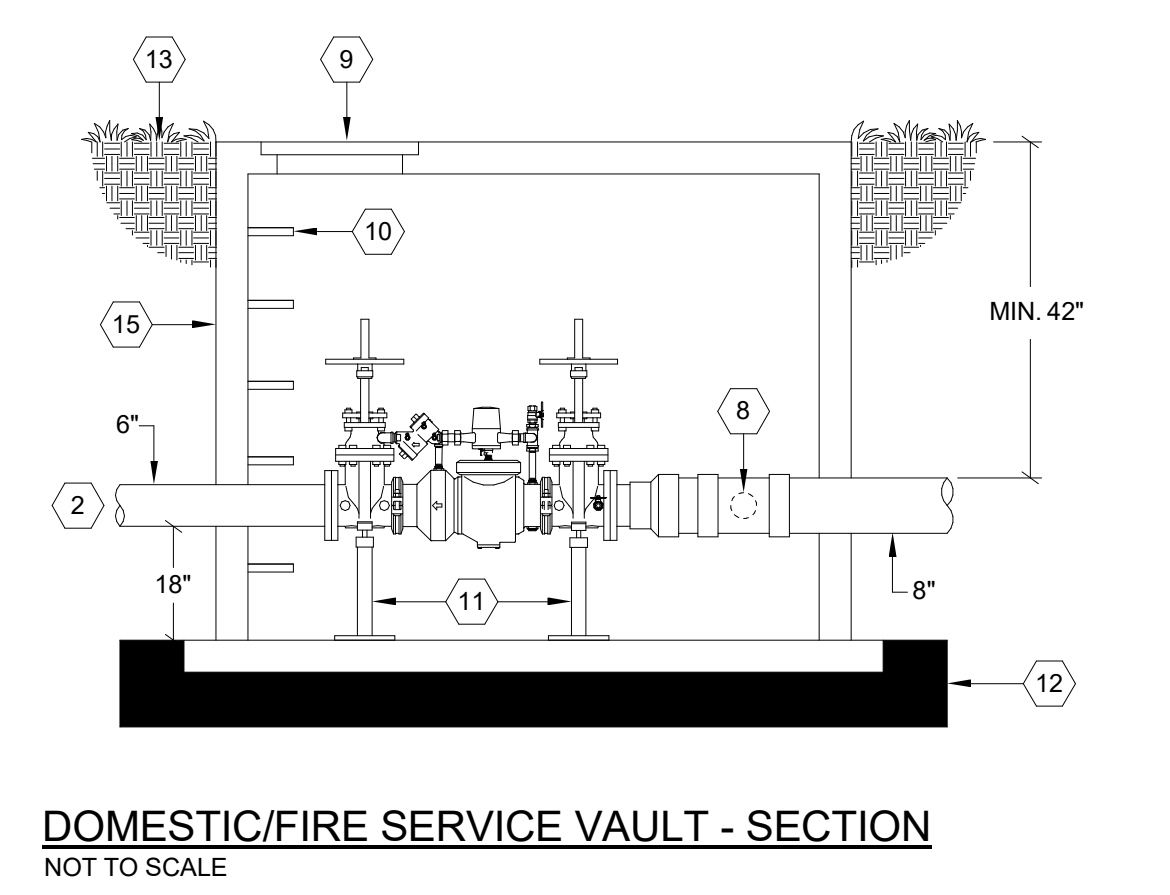
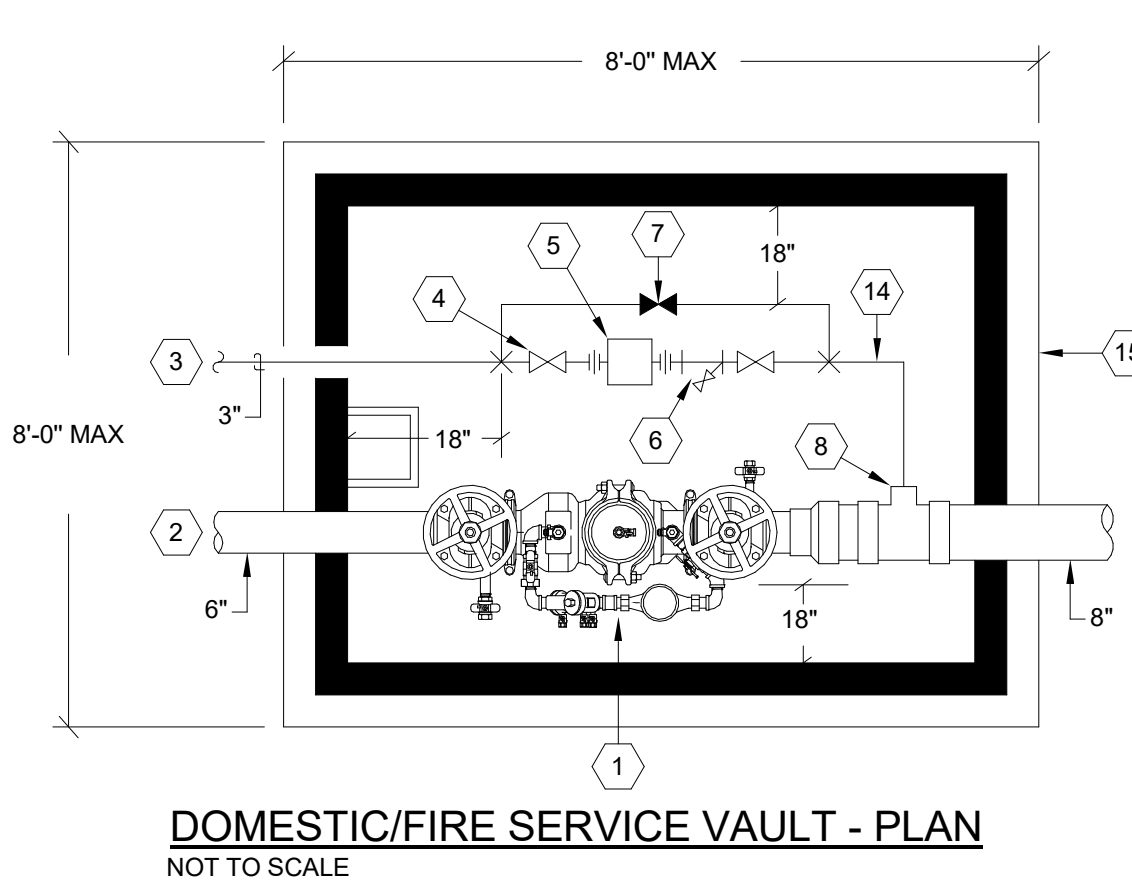
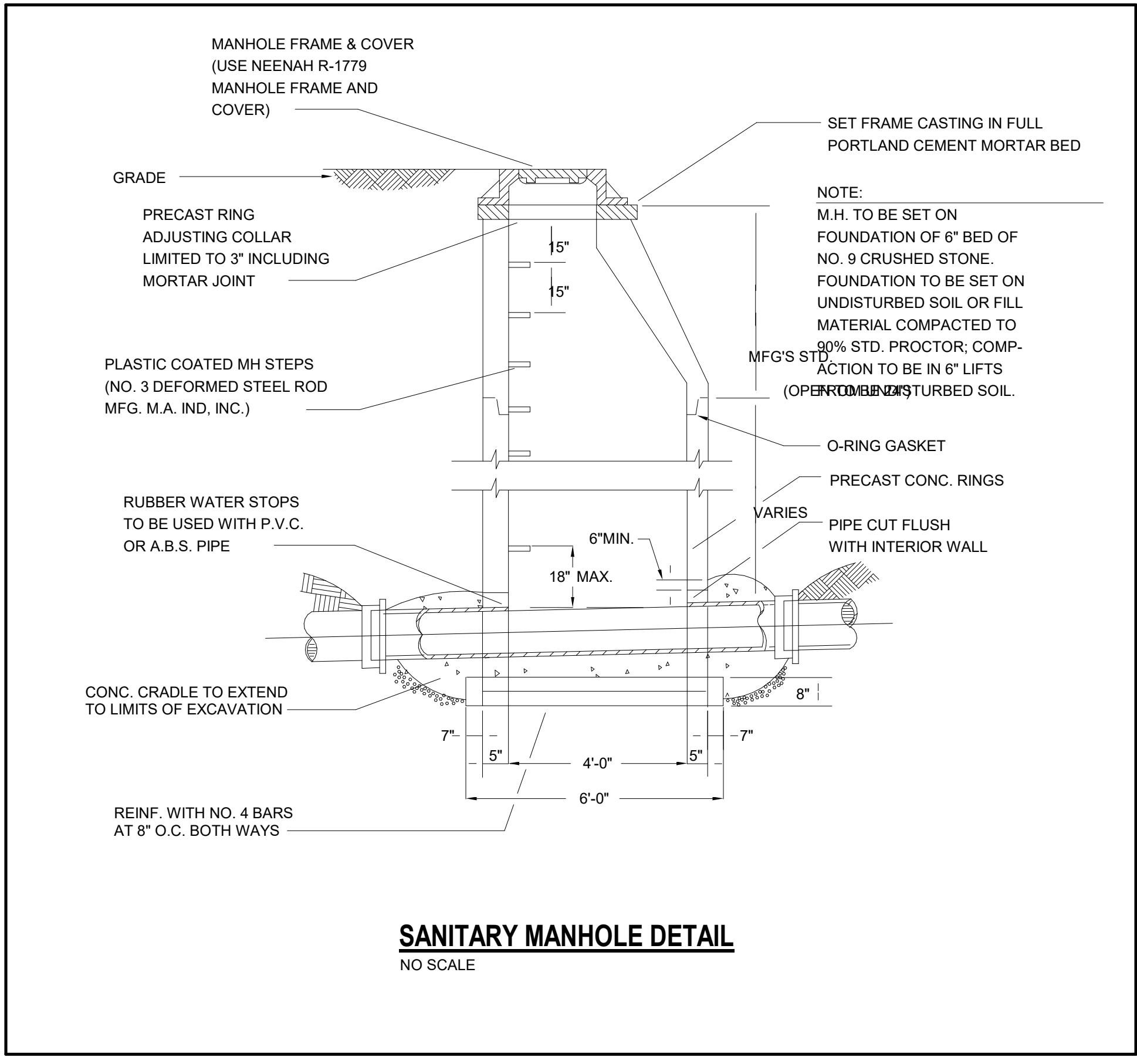
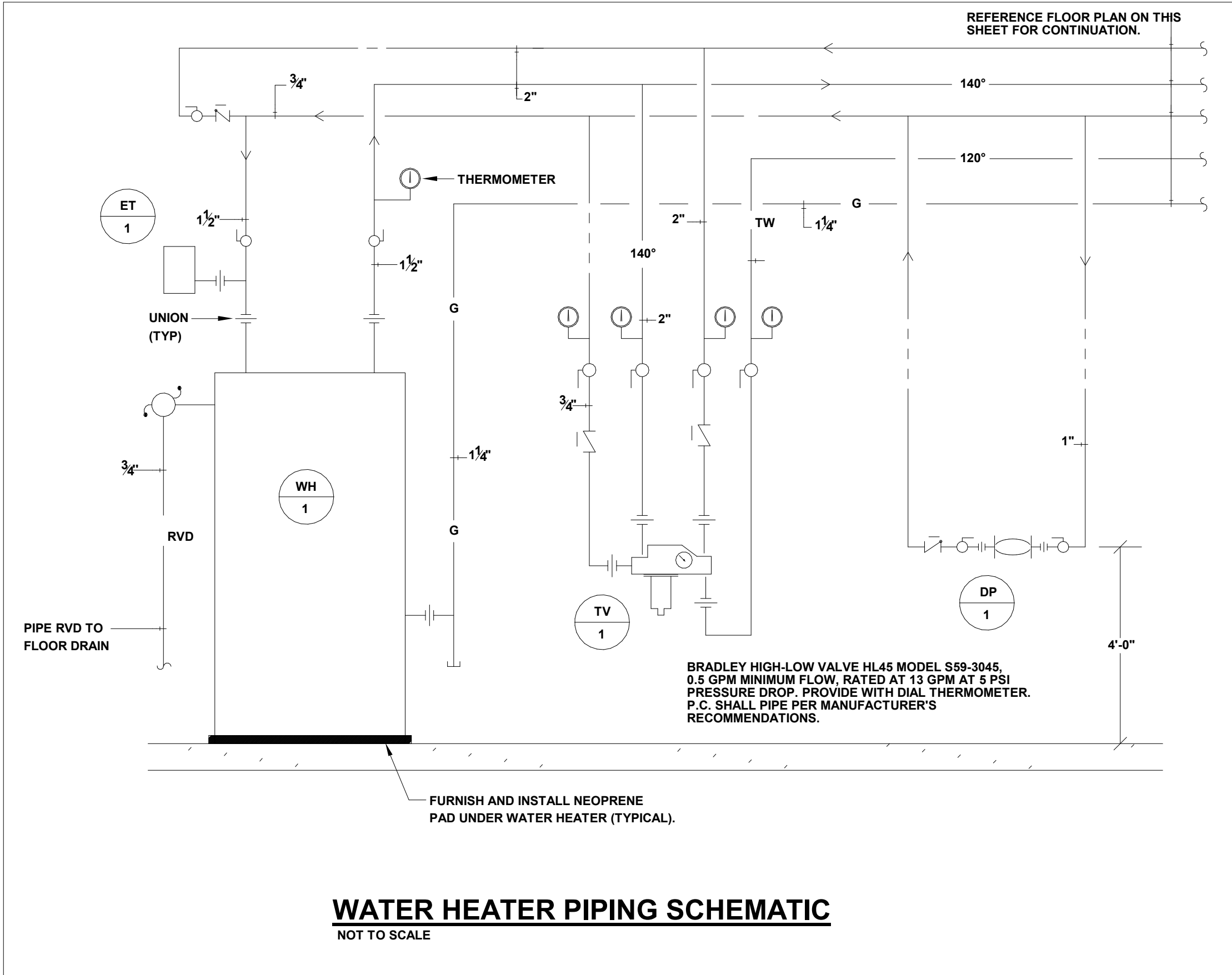
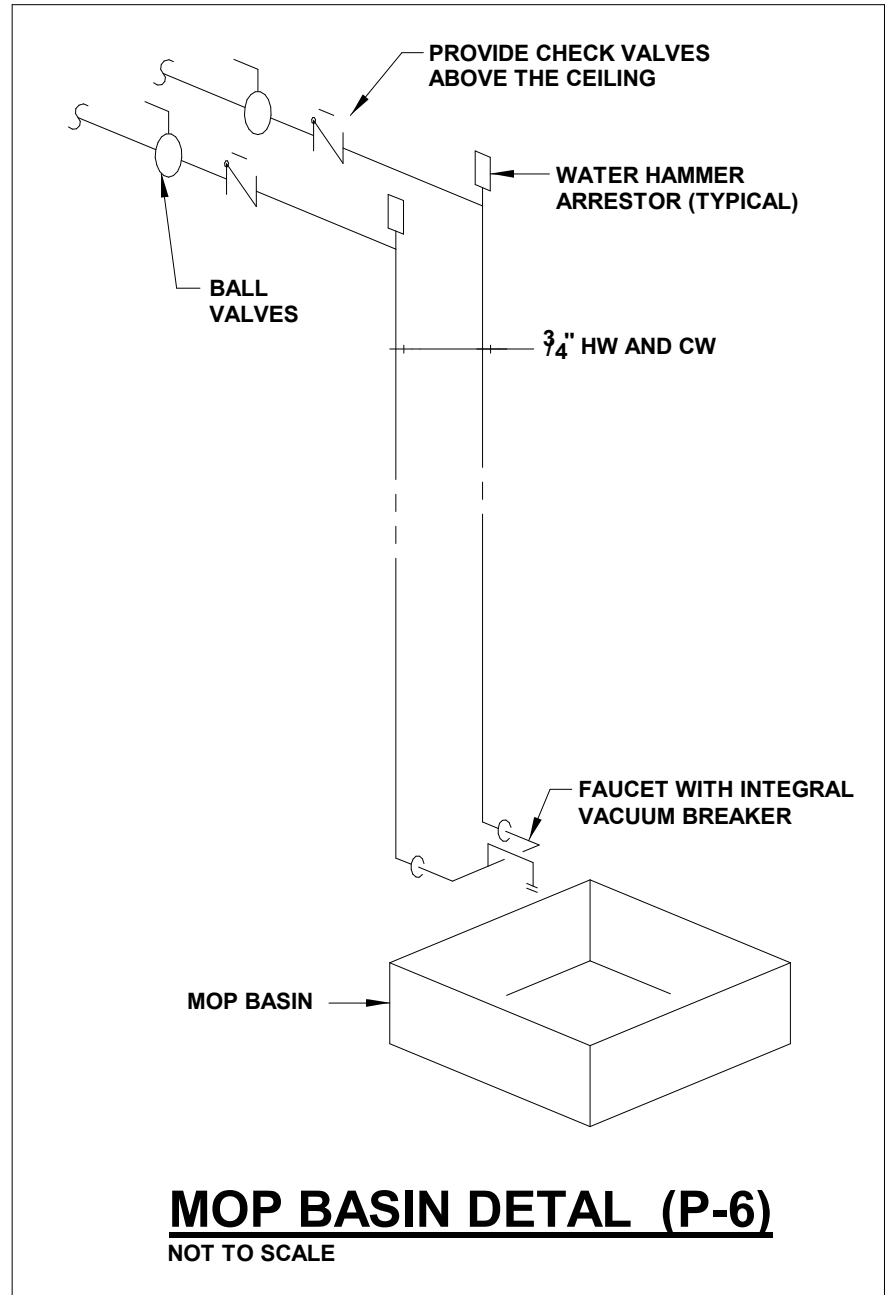
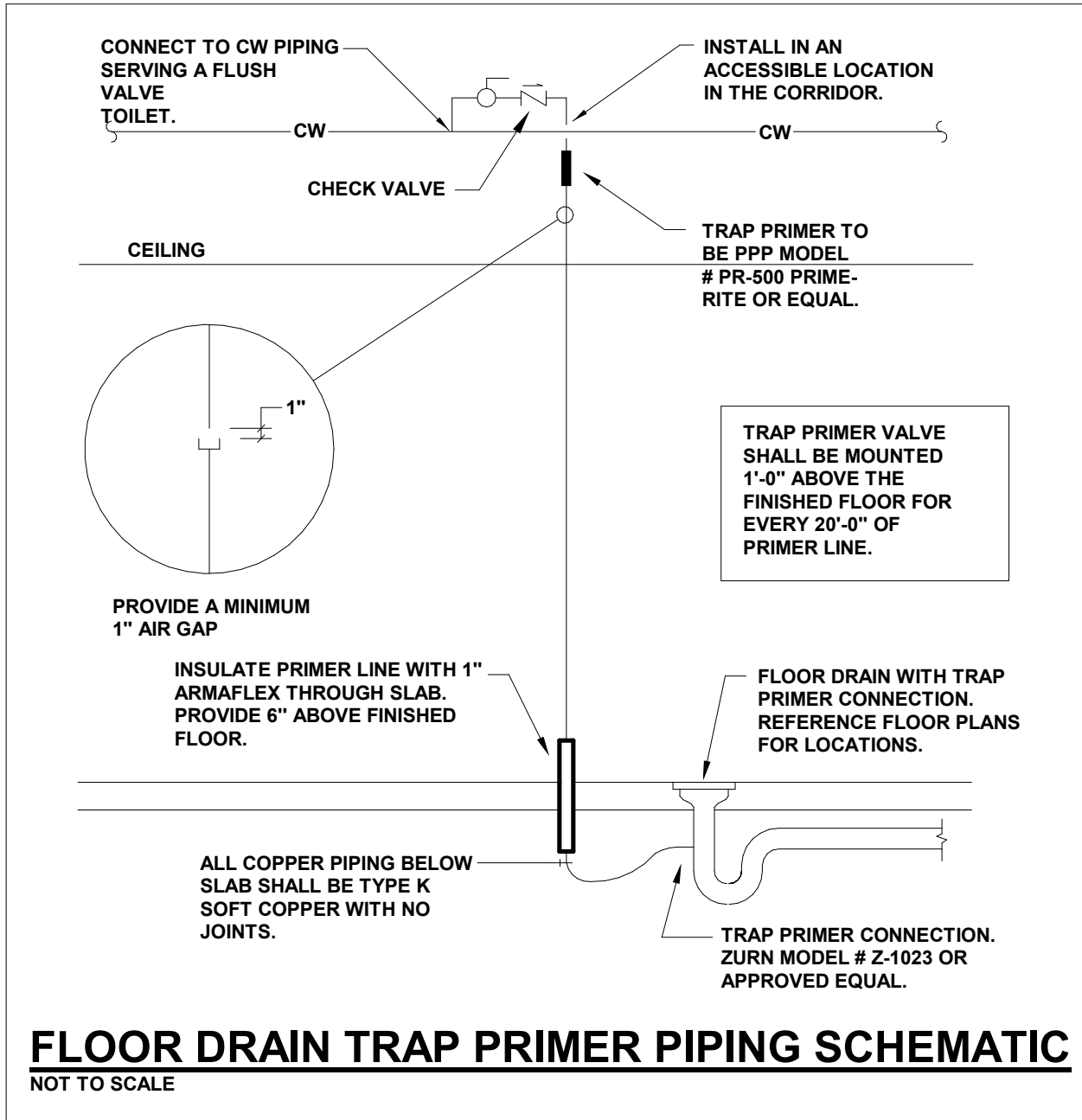
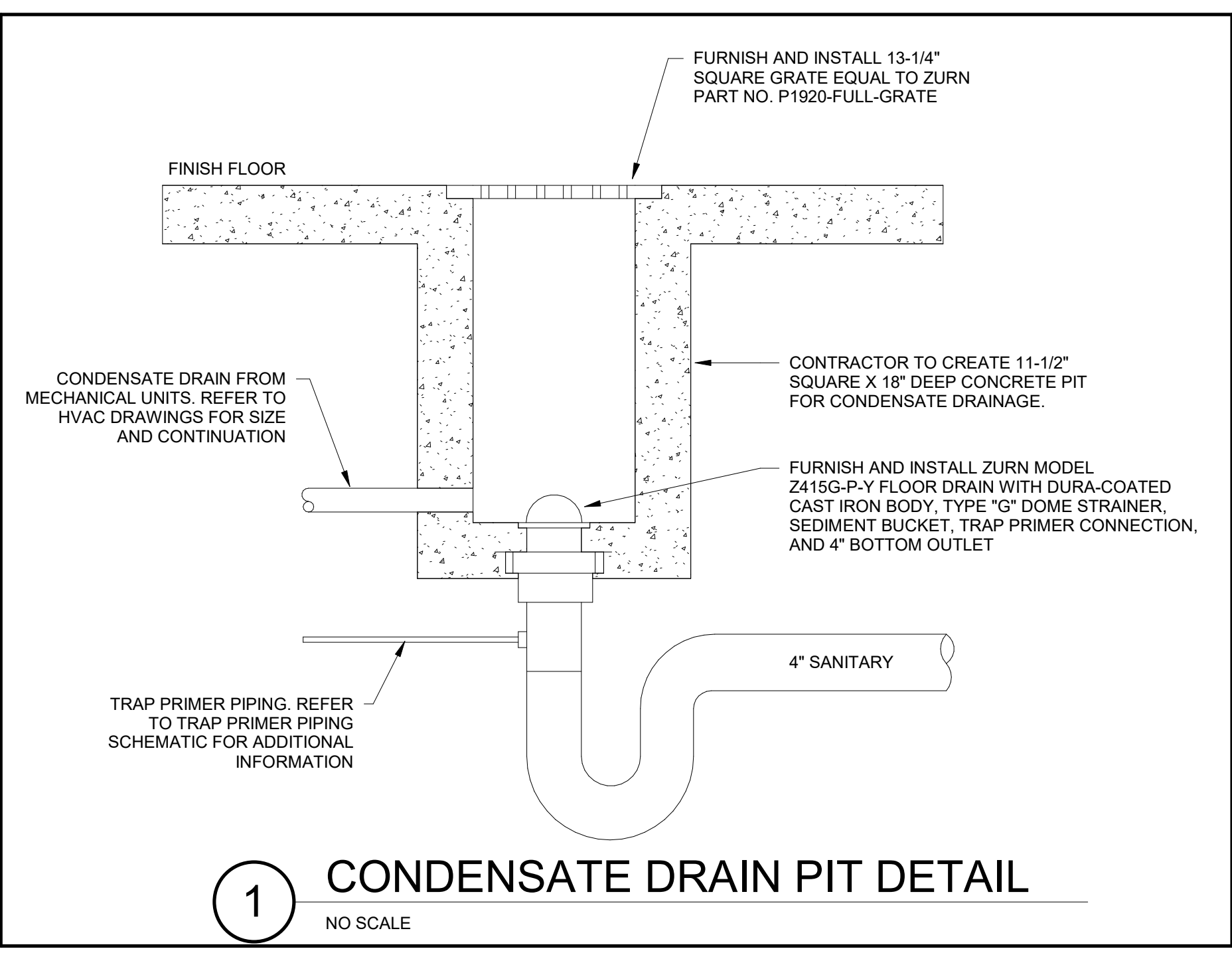
EXPANSION TANK

TAG	ET-1
MANUFACTURER	WATTS
MODEL	DETA-5
MAX PRESSURE (PSI)	150
MAX TEMPERATURE	240° F
TANK VOLUME-GAL.	3.5
TANK ACCEPTANCE-GAL.	1.3

WATER HEATER

TAG	WH-1
MANUFACTURER	AO SMITH
MODEL	CYCLONE BTH-199
GAS INPUT (BTUH)	199,000
THERMAL EFFICIENCY	98%
GALLONS STORAGE	100
GPH RECOVERY @ 90° F	198
VOLTAGE / MAX FUSE	120V / 15 AMPS
ASME RATED	YES
UL LISTED	YES

* PROVIDE WITH 1 SPARE JONTER PER WATER HEATER. TURN OVER TO OWNER.
 * EQUAL WATER HEATER BY LOCHINVAR OR STATE.
 * PROVIDE WITH CONDENSATE NEUTRALIZATION KIT P/N 10011280 AS LISTED AS AN OPTION THROUGH MANUFACTURER.



DOMESTIC/FIRE SERVICE DETAILS
NOT TO SCALE

TAG NOTES:

- DOUBLE DETECTOR CHECK VALVE ASSEMBLY (WILKINS MODEL 350ADA). FIRE PROTECTION CONTRACTOR SHALL FURNISH AND INSTALL PER WARSAW SEWER AND WATER CO. REQUIREMENTS.
- FIRE SERVICE TO BUILDING BY FIRE PROTECTION CONTRACTOR.
- DOMESTIC WATER TO BUILDING BY PLUMBING CONTRACTOR.
- SHUT-OFF VALVE.
- WATER METER. SIZE AND INSTALLATION SHALL BE COORDINATED WITH WARSAW SEWER AND WATER.
- STRAINER.
- BYPASS VALVE, NORMALLY CLOSED.
- 3" TAP FOR DOMESTIC WATER SERVICE BY FIRE PROTECTION CONTRACTOR.
- 24" x 24" NEENAH HATCH.
- LADDER.
- SUPPORT.
- CRUSHED STONE BASE, 12" THICK.
- TOP OF GRADE.
- ALL DOMESTIC WATER SERVICE PIPING, VALVING, ETC. SHALL BE FURNISHED AND INSTALLED BY THE PLUMBING CONTRACTOR.
- DOMESTIC/FIRE SERVICE VAULT SHALL BE FURNISHED AND INSTALLED BY THE FIRE PROTECTION CONTRACTOR.

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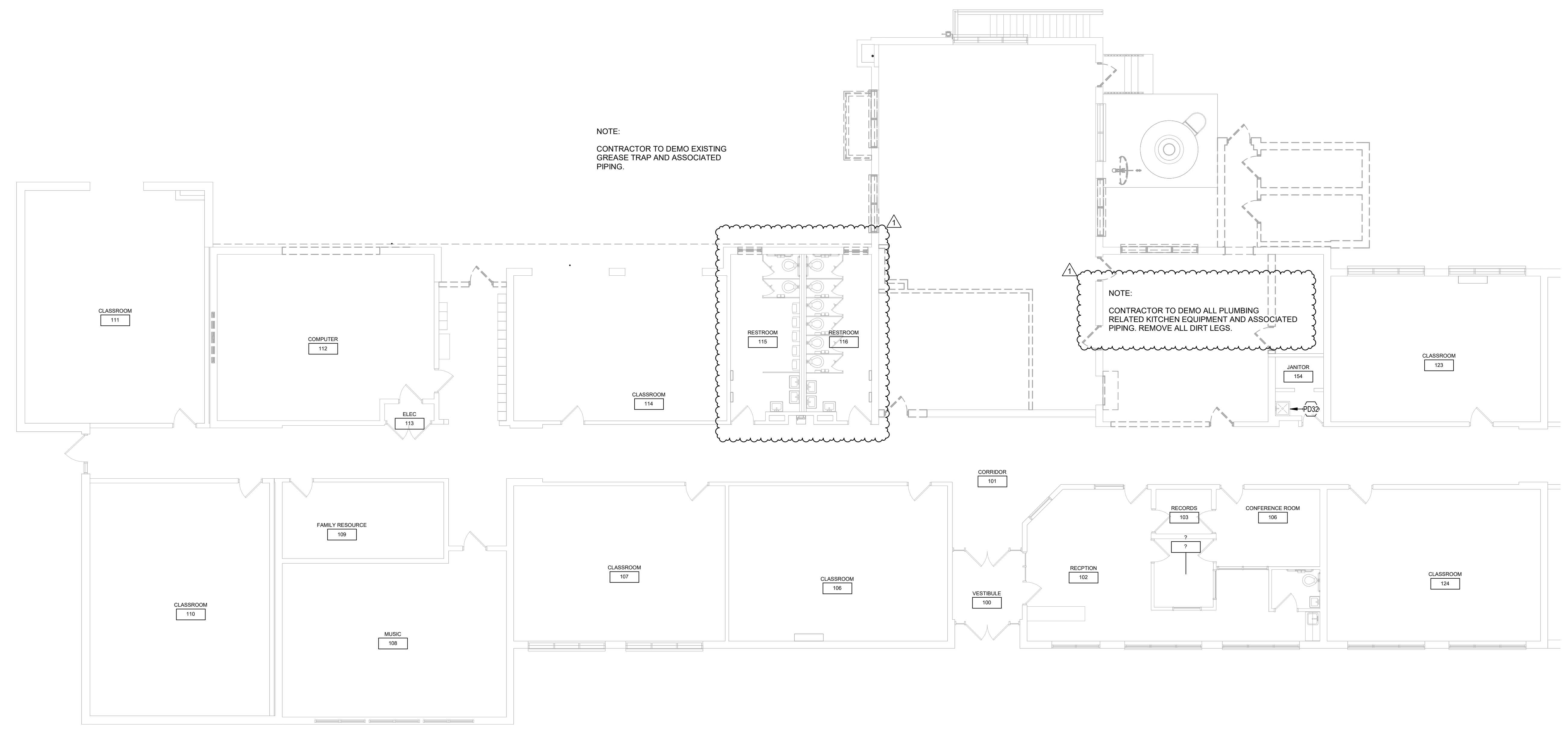
SHEET

P1.1

GENERAL DEMOLITION NOTES:

- A. INACCESSIBLE PIPING BURIED IN EXISTING WALLS REMAINING AND CONCRETE SLABS MAY BE ABANDONED IN PLACE.
- B. ANY HOLES IN WALLS, FLOORS, CEILINGS, ROOFS, ETC. CREATED AS A RESULT OF THE PLUMBING SYSTEMS DEMOLITION SHALL BE PATCHED TO MATCH THE ADJACENT SURFACES. PATCH SHALL BE PERFORMED BY QUALIFIED TRADESMAN. REFER TO ARCHITECTURAL CUT AND PATCH SPECIFICATION FOR ADDITIONAL INFORMATION.
- C. WHERE WORK IS REQUIRED ABOVE EXISTING CEILINGS AND/OR OUTSIDE OF THE SCOPE OF WORK AREA, THIS CONTRACTOR SHALL BE RESPONSIBLE FOR CUT, PATCH, REMOVAL, AND REINSTALLATION (OR REPLACEMENT IF DAMAGED) OF ALL CEILING TILES, HARD CEILINGS, AND GRID MEMBERS NECESSARY TO PERFORM THE WORK. THIS SHALL BE PERFORMED AT THIS CONTRACTOR'S EXPENSE. COORDINATE CLOSELY WITH THE ARCHITECT AND GENERAL CONTRACTOR. REFER TO ARCHITECTURAL DRAWINGS FOR NEW CEILING LOCATIONS.
- D. VERIFY WITH OWNER PRIOR TO DEMOLITION IF ANY ITEMS ARE TO BE SALVAGED.
- E. ALL SYSTEM SHUTDOWNS SHALL BE SCHEDULED WITH THE FACILITIES ENGINEER A MINIMUM OF 48 HOURS IN ADVANCE.
- F. THE PLUMBING CONTRACTOR SHALL CLEAN UP CONSTRUCTION DEBRIS DURING AND AFTER PLUMBING DEMOLITION.
- G. THE PLUMBING CONTRACTOR SHALL DISPOSE OF DEMOLISHED PLUMBING FIXTURES AND COORDINATE WITH THE GENERAL CONTRACTOR.
- H. PRIOR TO STARTING THE DEMOLITION WORK, THE PLUMBING CONTRACTOR SHALL VERIFY WITH THE ELECTRICAL CONTRACTOR THAT POWER FEEDS AND CONTROL WIRING HAVE BEEN DISCONNECTED AND LOCKED OUT FROM PLUMBING EQUIPMENT WHICH IS TO BE REMOVED.
- I. THE PLUMBING CONTRACTOR SHALL REPAIR OR REPLACE ANY DUCT OR PIPING INSULATION DAMAGED DURING DEMOLITION WORK.
- J. THE PLUMBING CONTRACTOR SHALL AVOID DAMAGING EXISTING DOMESTIC AND SANITARY PLUMBING, HVAC SYSTEMS, ELECTRICAL SYSTEMS, ETC. IF ANY OF THESE SERVICES ARE DAMAGED, THE PLUMBING CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPAIR AND/OR REPLACEMENT OF DAMAGED PLUMBING LINES, DUCTWORK, CONDUITS, BUILDING MATERIALS, ETC., AND CLEAN-UP OF AREA AFFECTED BY DAMAGED SYSTEM AT THE EXPENSE OF THE PLUMBING CONTRACTOR.

TAGGED NOTES	
PD32	EXISTING MOP BASIN TO REMAIN UN-TOUCHED



1 BELOW SLAB PLAN - PLUMBING DEMOLITION
SCALE: 1/8" = 1'-0"

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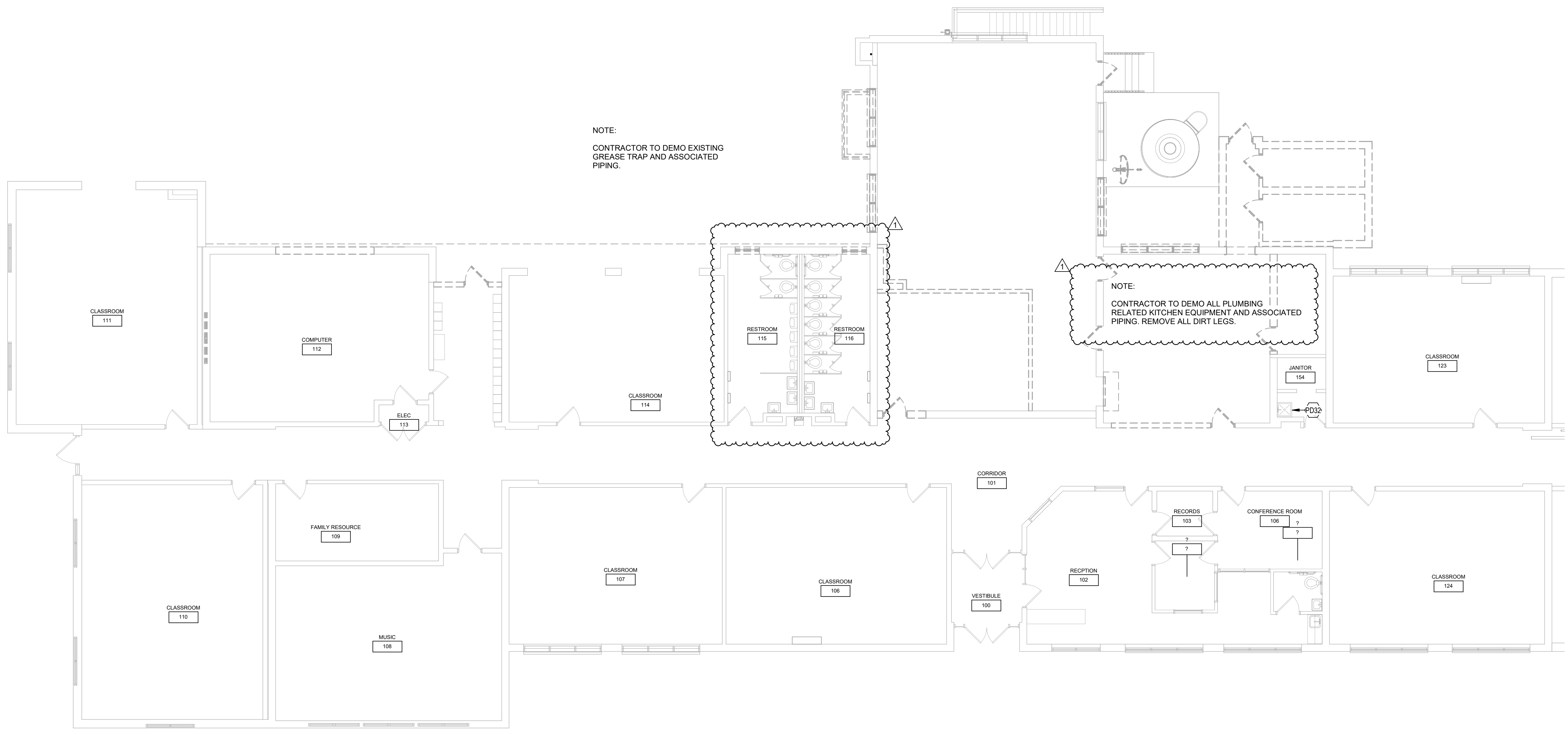
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1	ADDENDUM #3	09/11/2023

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GENERAL DEMOLITION NOTES:

- INACCESSIBLE PIPING BURIED IN EXISTING WALLS REMAINING AND CONCRETE SLABS MAY BE ABANDONED IN PLACE.
- ANY HOLES IN WALLS, FLOORS, CEILINGS, ROOFS, ETC. CREATED AS A RESULT OF THE PLUMBING SYSTEMS DEMOLITION SHALL BE PATCHED TO MATCH THE ADJACENT SURFACES. PATCH SHALL BE PERFORMED BY QUALIFIED TRADESMAN. REFER TO ARCHITECTURAL CUT AND PATCH SPECIFICATION FOR ADDITIONAL INFORMATION.
- WHERE WORK IS REQUIRED ABOVE EXISTING CEILINGS AND/OR OUTSIDE OF THE SCOPE OF WORK AREA, THIS CONTRACTOR SHALL BE RESPONSIBLE FOR CUT, PATCH, REMOVAL, AND REINSTALLATION (OR REPLACEMENT IF DAMAGED) OF ALL CEILING TILES, HARD CEILINGS, AND GRID MEMBERS NECESSARY TO PERFORM THE WORK. THIS SHALL BE PERFORMED AT THIS CONTRACTOR'S EXPENSE. COORDINATE CLOSELY WITH THE ARCHITECT AND GENERAL CONTRACTOR. REFER TO ARCHITECTURAL DRAWINGS FOR NEW CEILING LOCATIONS.
- VERIFY WITH OWNER PRIOR TO DEMOLITION IF ANY ITEMS ARE TO BE SALVAGED.
- ALL SYSTEM SHUTDOWNS SHALL BE SCHEDULED WITH THE FACILITIES ENGINEER A MINIMUM OF 48 HOURS IN ADVANCE.
- THE PLUMBING CONTRACTOR SHALL CLEAN UP CONSTRUCTION DEBRIS DURING AND AFTER PLUMBING DEMOLITION.
- THE PLUMBING CONTRACTOR SHALL DISPOSE OF DEMOLISHED PLUMBING FIXTURES AND COORDINATE WITH THE GENERAL CONTRACTOR.
- PRIOR TO STARTING THE DEMOLITION WORK, THE PLUMBING CONTRACTOR SHALL VERIFY WITH THE ELECTRICAL CONTRACTOR THAT POWER FEEDS AND CONTROL WIRING HAVE BEEN DISCONNECTED AND LOCKED OUT FROM PLUMBING EQUIPMENT WHICH IS TO BE REMOVED.
- THE PLUMBING CONTRACTOR SHALL REPAIR OR REPLACE ANY DUCT OR PIPING INSULATION DAMAGED DURING DEMOLITION WORK.
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TAGGED NOTES	
P032	EXISTING HOP BASIN TO REMAIN UN-TOUCHED



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

JOB NO.	2210
DATE	MAR. 9, 2016
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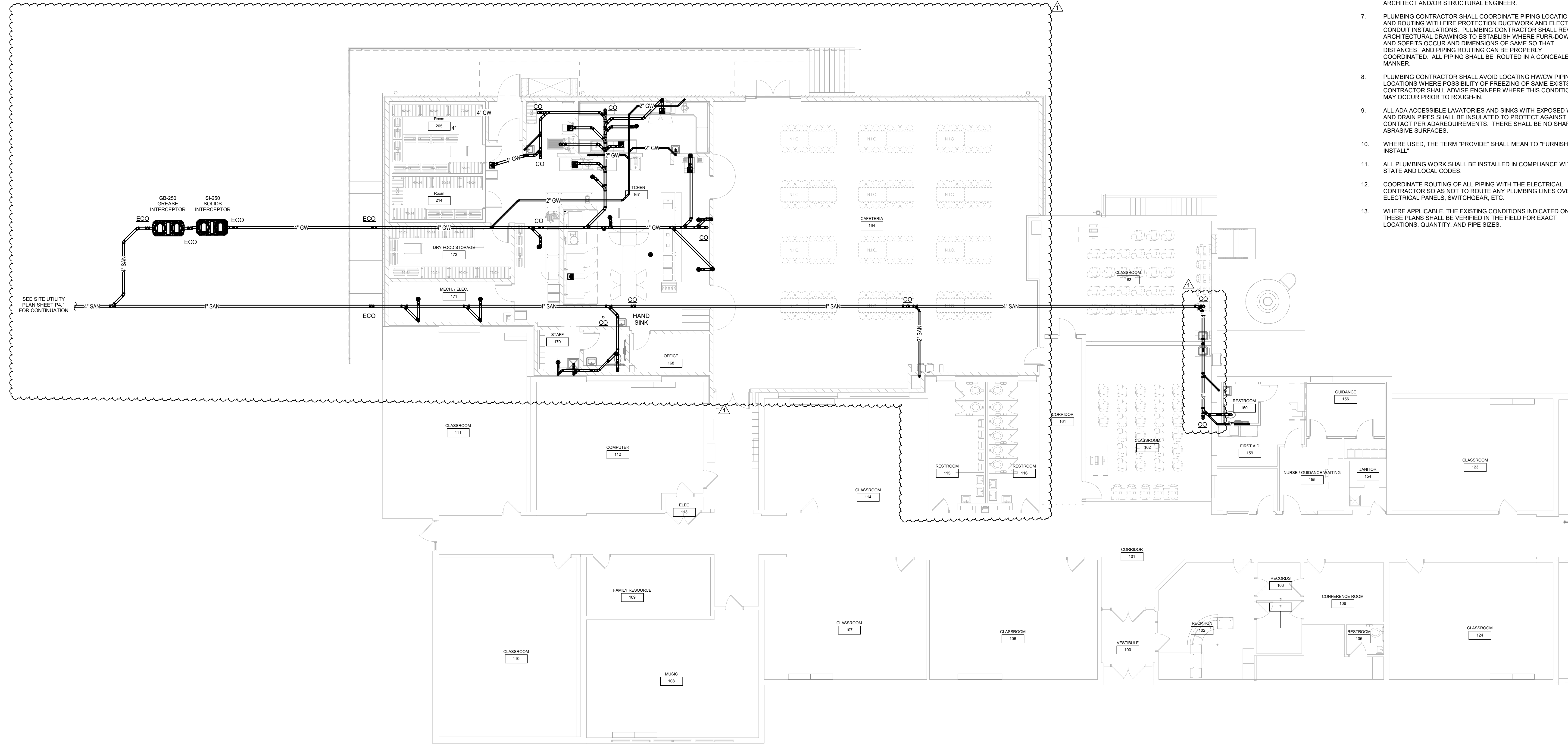
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GENERAL PLUMBING NOTES:

1. THE PLUMBING CONTRACTOR SHALL DETERMINE NECESSARY INVERT ELEVATIONS FOR PROPER DRAINAGE AND CONNECTION INTO EX. LINES. ALL INVERT ELEVATIONS SHALL BE SET PRIOR TO INSTALLATION.
2. THE PLUMBING CONTRACTOR SHALL PROVIDE ALL ITEMS, ARTICLES AND MATERIALS AS REQUIRED, INCLUDING ALL LABOR AND INCIDENTALS NECESSARY FOR A COMPLETE PLUMBING INSTALLATION.
3. THE PLUMBING CONTRACTOR SHALL CLEAN ALL FIXTURES, POLISH ALL METAL PARTS, CHECK AND ADJUST ALL FITTINGS, FAUCETS AND VALVES. ALL OPERATING INSTRUCTIONS SHALL BE TURNED OVER TO THE GENERAL CONTRACTOR FOR PRESENTATION TO THE OWNER.
4. UNLESS OTHERWISE NOTED, ALL PIPING SHALL BE CONCEALED WITHIN THE BUILDING STRUCTURE. NATURAL GAS PIPING SHALL NOT BE ROUTED BELOW CONCRETE SLAB ON GRADE WITHIN BUILDING.
5. ALL PIPING PASSING THROUGH FIRE RATED OR FIRE AND SMOKE RATED ASSEMBLIES SHALL BE SLEEVED AND FIRESTOPPED. FIRESTOPPING SHALL COMPLY WITH U.L. LISTING AND REQUIREMENTS FOR ASSEMBLY TYPE BEING PENETRATED.
6. PLUMBING CONTRACTOR SHALL NOT CORE DRILL OR DISTURB ANY STRUCTURAL MEMBERS WITHOUT WRITTEN AUTHORIZATION BY THE ARCHITECT AND/OR STRUCTURAL ENGINEER.
7. PLUMBING CONTRACTOR SHALL COORDINATE PIPING LOCATIONS AND ROUTING WITH FIRE PROTECTION DUCTWORK AND ELECTRICAL CONDUIT INSTALLATIONS. PLUMBING CONTRACTOR SHALL REVIEW ARCHITECTURAL DRAWINGS TO ESTABLISH WHERE FURR-DOWNS AND SOFFITS OCCUR AND DIMENSIONS OF SAME SO THAT DISTANCES AND PIPING ROUTINGS CAN BE PROPERLY COORDINATED. ALL PIPING SHALL BE ROUTED IN A CONCEALED MANNER.
8. PLUMBING CONTRACTOR SHALL AVOID LOCATING HW/CW PIPING IN LOCATIONS WHERE POSSIBILITY OF FREEZING OF SAME EXISTS. CONTRACTOR SHALL ADVISE ENGINEER WHERE THIS CONDITION MAY OCCUR PRIOR TO ROUGH-IN.
9. ALL ADA ACCESSIBLE LAVATORIES AND SINKS WITH EXPOSED WATER AND DRAIN PIPES SHALL BE INSULATED TO PROTECT AGAINST CONTACT PER ADA REQUIREMENTS. THERE SHALL BE NO SHARP OR ABRASIVE SURFACES.
10. WHERE USED, THE TERM "PROVIDE" SHALL MEAN TO "FURNISH AND INSTALL".
11. ALL PLUMBING WORK SHALL BE INSTALLED IN COMPLIANCE WITH ALL STATE AND LOCAL CODES.
12. COORDINATE ROUTING OF ALL PIPING WITH THE ELECTRICAL CONTRACTOR SO AS NOT TO ROUTE ANY PLUMBING LINES OVER ELECTRICAL PANELS, SWITCHGEAR, ETC.
13. WHERE APPLICABLE, THE EXISTING CONDITIONS INDICATED ON THESE PLANS SHALL BE VERIFIED IN THE FIELD FOR EXACT LOCATIONS, QUANTITY, AND PIPE SIZES.



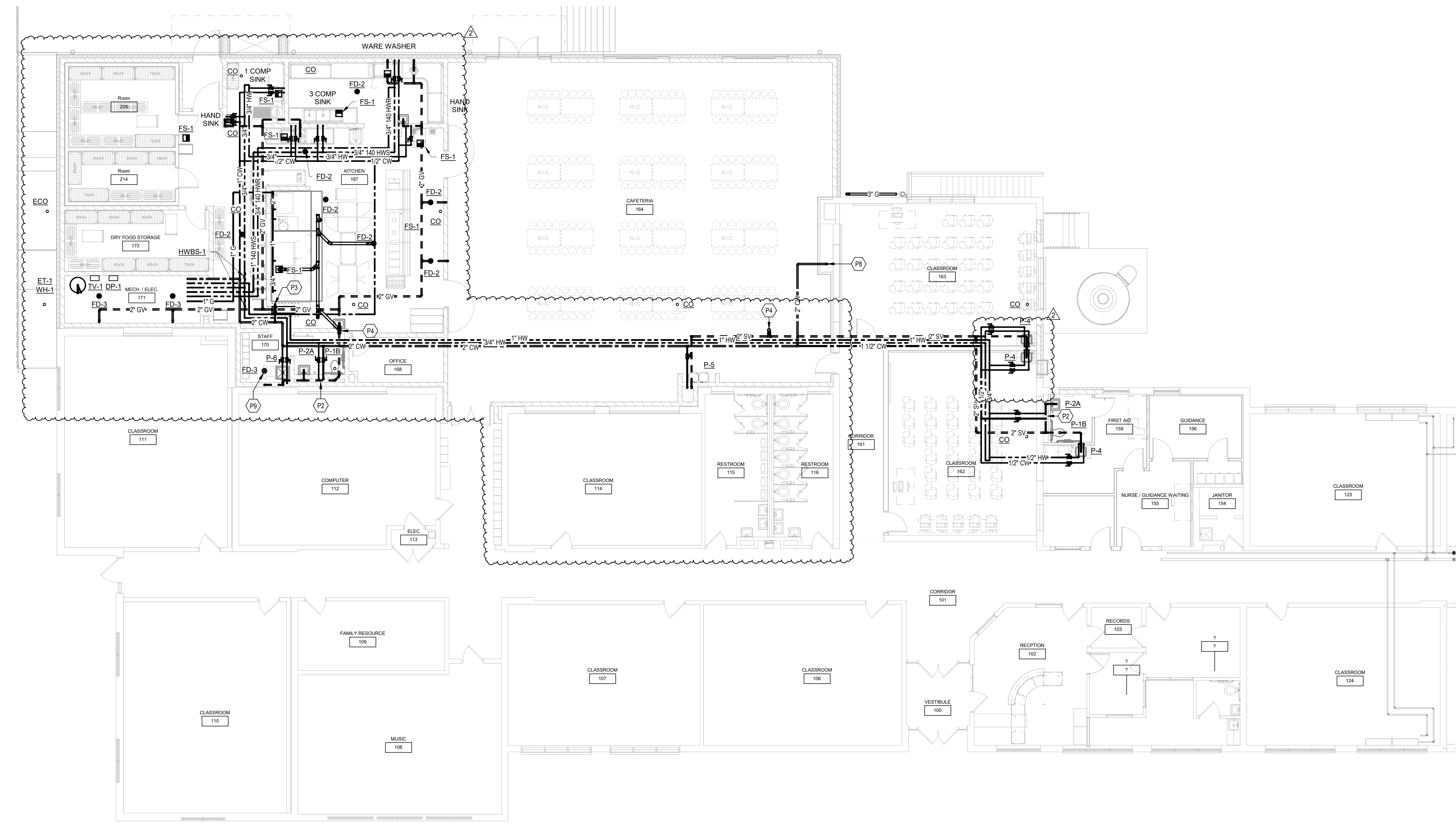
1 BELOW-SLAB FLOOR PLAN - PLUMBING
SCALE: 1/8" = 1'-0"

GENERAL PLUMBING NOTES:

- THE PLUMBING CONTRACTOR SHALL DETERMINE NECESSARY INVERT ELEVATIONS FOR PROPER DRAINAGE AND CONNECTION INTO EX. LINES. ALL INVERT ELEVATIONS SHALL BE SET PRIOR TO INSTALLATION.
- THE PLUMBING CONTRACTOR SHALL PROVIDE ALL ITEMS, ARTICLES AND MATERIALS AS REQUIRED, INCLUDING ALL LABOR AND INCIDENTALS NECESSARY FOR A COMPLETE PLUMBING INSTALLATION.
- THE PLUMBING CONTRACTOR SHALL CLEAN ALL FIXTURES, POLISH ALL METAL PARTS, CHECK AND ADJUST ALL FITTINGS, FAUCETS AND VALVES. ALL OPERATING INSTRUCTIONS SHALL BE TURNED OVER TO THE GENERAL CONTRACTOR FOR PRESENTATION TO THE OWNER.
- UNLESS OTHERWISE NOTED, ALL PIPING SHALL BE CONCEALED WITHIN THE BUILDING STRUCTURE. NATURAL GAS PIPING SHALL NOT BE ROUTED BELOW CONCRETE SLAB ON GRADE WITHIN BUILDING.
- ALL PIPING PASSING THROUGH FIRE RATED OR FIRE AND SMOKE RATED ASSEMBLIES SHALL BE SLEEVED AND FIRESTOPPED. FIRESTOPPING SHALL COMPLY WITH U.L. LISTING AND REQUIREMENTS FOR ASSEMBLY TYPE BEING PENETRATED.
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- PLUMBING CONTRACTOR SHALL AVOID LOCATING HW/CW PIPING IN LOCATIONS WHERE POSSIBILITY OF FREEZING OF SAME EXISTS. CONTRACTOR SHALL ADVISE ENGINEER WHERE THIS CONDITION MAY OCCUR PRIOR TO ROUGH-IN.
- ALL ADA ACCESSIBLE LAVATORIES AND SINKS WITH EXPOSED WATER AND DRAIN PIPES SHALL BE INSULATED TO PROTECT AGAINST CONTACT PER ADA REQUIREMENTS. THERE SHALL BE NO SHARP OR ABRASIVE SURFACES.
- WHERE USED, THE TERM "PROVIDE" SHALL MEAN TO "FURNISH AND INSTALL".
- ALL PLUMBING WORK SHALL BE INSTALLED IN COMPLIANCE WITH ALL STATE AND LOCAL CODES.
- COORDINATE ROUTING OF ALL PIPING WITH THE ELECTRICAL CONTRACTOR SO AS NOT TO ROUTE ANY PLUMBING LINES OVER ELECTRICAL PANELS, SWITCHGEAR, ETC.
- WHERE APPLICABLE, THE EXISTING CONDITIONS INDICATED ON THESE PLANS SHALL BE VERIFIED IN THE FIELD FOR EXACT LOCATIONS, QUANTITY, AND PIPE SIZES.

TAGGED NOTES

P2	1-1/2" CW, 1/2" HW DN IN CHASE TO FIXTURES. PROVIDE WATER HAMMER ARRESTORS AS SPECIFIED.
P3	1-1/2" CW DN 2'-0" A.F.F. AND ROUTE TO KITCHEN EQUIPMENT.
P4	4" VTR
P8	2" DOMESTIC WATER DN TO MECHANICAL ROOM AND CONNECT.
P9	MECHANICAL CONDENSATE PIT - 3" FLOOR DRAIN 18" BELOW A.F.F. REFER TO DETAIL ON SHEET P1.0



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



**LEGRANDE ELEMENTARY SCHOOL ADDITION
AND RENOVATION**
BG # 23-217
HART COUNTY BOARD OF EDUCATION
HORSE CAVE, KY

**ENLARGED MECHANICAL ROOM PLAN
- PLUMBING**

JOB NO.	2210
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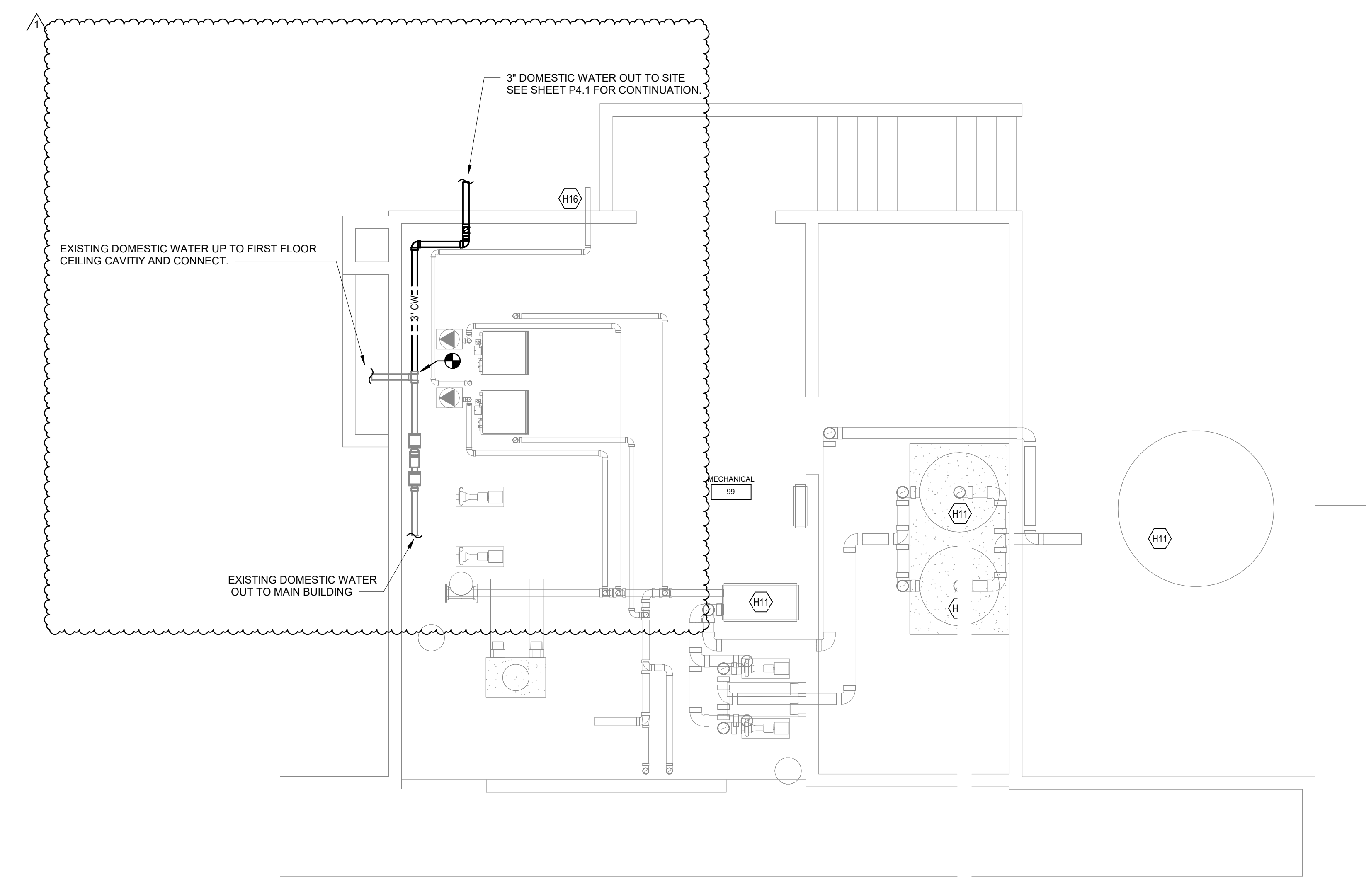
REVISIONS		
No.	Description	Date
11	ADDENDUM #3	09/11/2023

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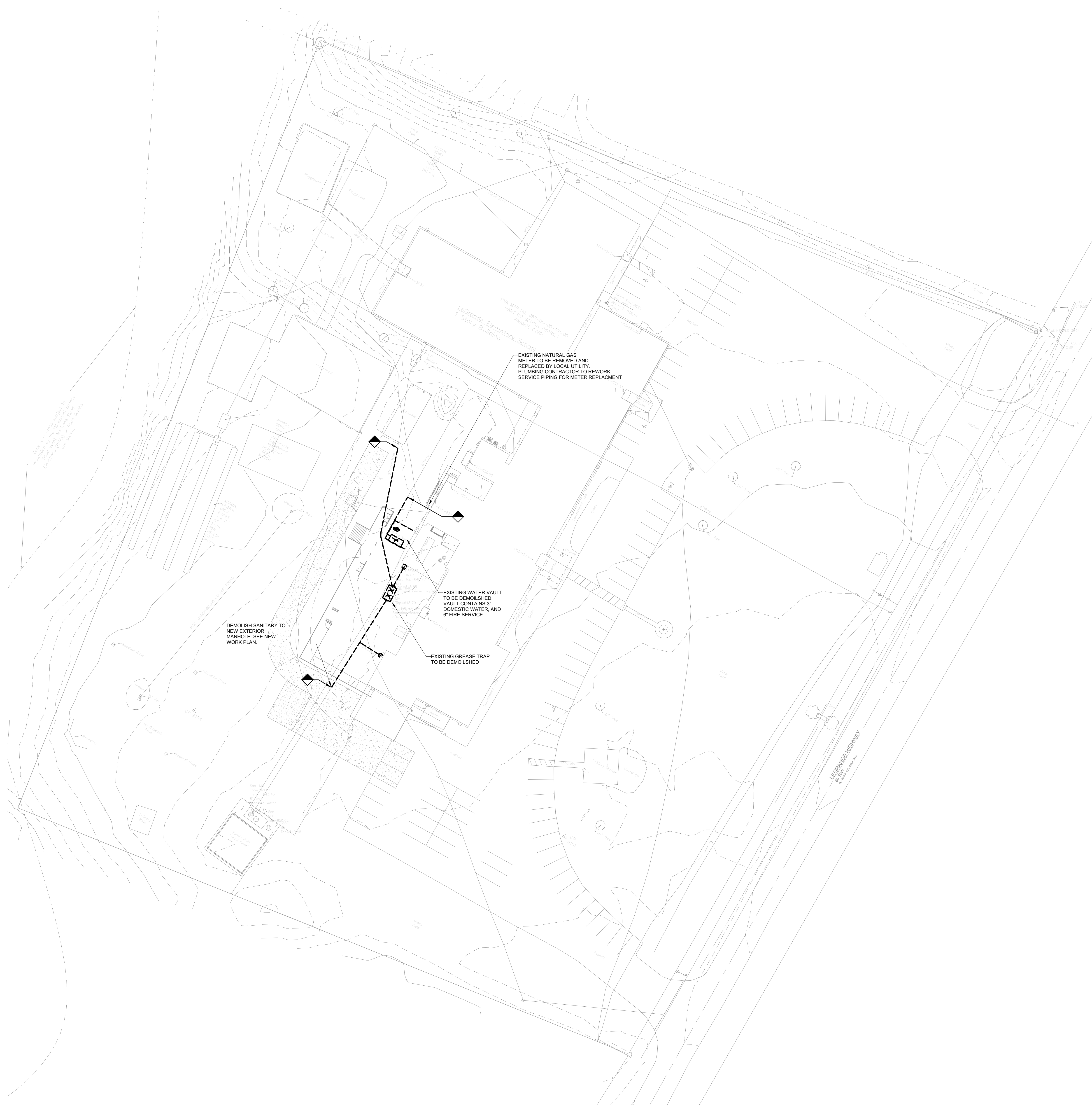
P3.1

GENERAL PLUMBING NOTES:

1. THE PLUMBING CONTRACTOR SHALL DETERMINE NECESSARY INVERT ELEVATIONS FOR PROPER DRAINAGE AND CONNECTION INTO EX. LINES. ALL INVERT ELEVATIONS SHALL BE SET PRIOR TO INSTALLATION.
2. THE PLUMBING CONTRACTOR SHALL PROVIDE ALL ITEMS, ARTICLES AND MATERIALS AS REQUIRED, INCLUDING ALL LABOR AND INCIDENTALS NECESSARY FOR A COMPLETE PLUMBING INSTALLATION.
3. THE PLUMBING CONTRACTOR SHALL CLEAN ALL FIXTURES, POLISH ALL METAL PARTS, CHECK AND ADJUST ALL FITTINGS, FAUCETS AND VALVES. ALL OPERATING INSTRUCTIONS SHALL BE TURNED OVER TO THE GENERAL CONTRACTOR FOR PRESENTATION TO THE OWNER.
4. UNLESS OTHERWISE NOTED, ALL PIPING SHALL BE CONCEALED WITHIN THE BUILDING STRUCTURE. NATURAL GAS PIPING SHALL NOT BE ROUTED BELOW CONCRETE SLAB ON GRADE WITHIN BUILDING.
5. ALL PIPING PASSING THROUGH FIRE RATED OR FIRE AND SMOKE RATED ASSEMBLIES SHALL BE SLEEVED AND FIRESTOPPED. FIRESTOPPING SHALL COMPLY WITH U.L. LISTING AND REQUIREMENTS FOR ASSEMBLY TYPE BEING PENETRATED.
6. PLUMBING CONTRACTOR SHALL NOT CORE DRILL OR DISTURB ANY STRUCTURAL MEMBERS WITHOUT WRITTEN AUTHORIZATION BY THE ARCHITECT AND/OR STRUCTURAL ENGINEER.
7. PLUMBING CONTRACTOR SHALL COORDINATE PIPING LOCATIONS AND ROUTING WITH FIRE PROTECTION DUCTWORK AND ELECTRICAL CONDUIT INSTALLATIONS. PLUMBING CONTRACTOR SHALL REVIEW ARCHITECTURAL DRAWINGS TO ESTABLISH WHERE FURR-DOWNS AND SOFFITS OCCUR AND DIMENSIONS OF SAME SO THAT DISTANCES AND PIPING ROUTINGS CAN BE PROPERLY COORDINATED. ALL PIPING SHALL BE ROUTED IN A CONCEALED MANNER.
8. PLUMBING CONTRACTOR SHALL AVOID LOCATING HW/CW PIPING IN LOCATIONS WHERE POSSIBILITY OF FREEZING OF SAME EXISTS. CONTRACTOR SHALL ADVISE ENGINEER WHERE THIS CONDITION MAY OCCUR PRIOR TO ROUGH-IN.
9. ALL ADA ACCESSIBLE LAVATORIES AND SINKS WITH EXPOSED WATER AND DRAIN PIPES SHALL BE INSULATED TO PROTECT AGAINST CONTACT PER ADA REQUIREMENTS. THERE SHALL BE NO SHARP OR ABRASIVE SURFACES.
10. WHERE USED, THE TERM "PROVIDE" SHALL MEAN TO "FURNISH AND INSTALL".
11. ALL PLUMBING WORK SHALL BE INSTALLED IN COMPLIANCE WITH ALL STATE AND LOCAL CODES.
12. COORDINATE ROUTING OF ALL PIPING WITH THE ELECTRICAL CONTRACTOR SO AS NOT TO ROUTE ANY PLUMBING LINES OVER ELECTRICAL PANELS, SWITCHGEAR, ETC.
13. WHERE APPLICABLE, THE EXISTING CONDITIONS INDICATED ON THESE PLANS SHALL BE VERIFIED IN THE FIELD FOR EXACT LOCATIONS, QUANTITY, AND PIPE SIZES.



1 ENLARGED BASEMENT PLAN - PLUMBING
SCALE: 1/4" = 1'-0"

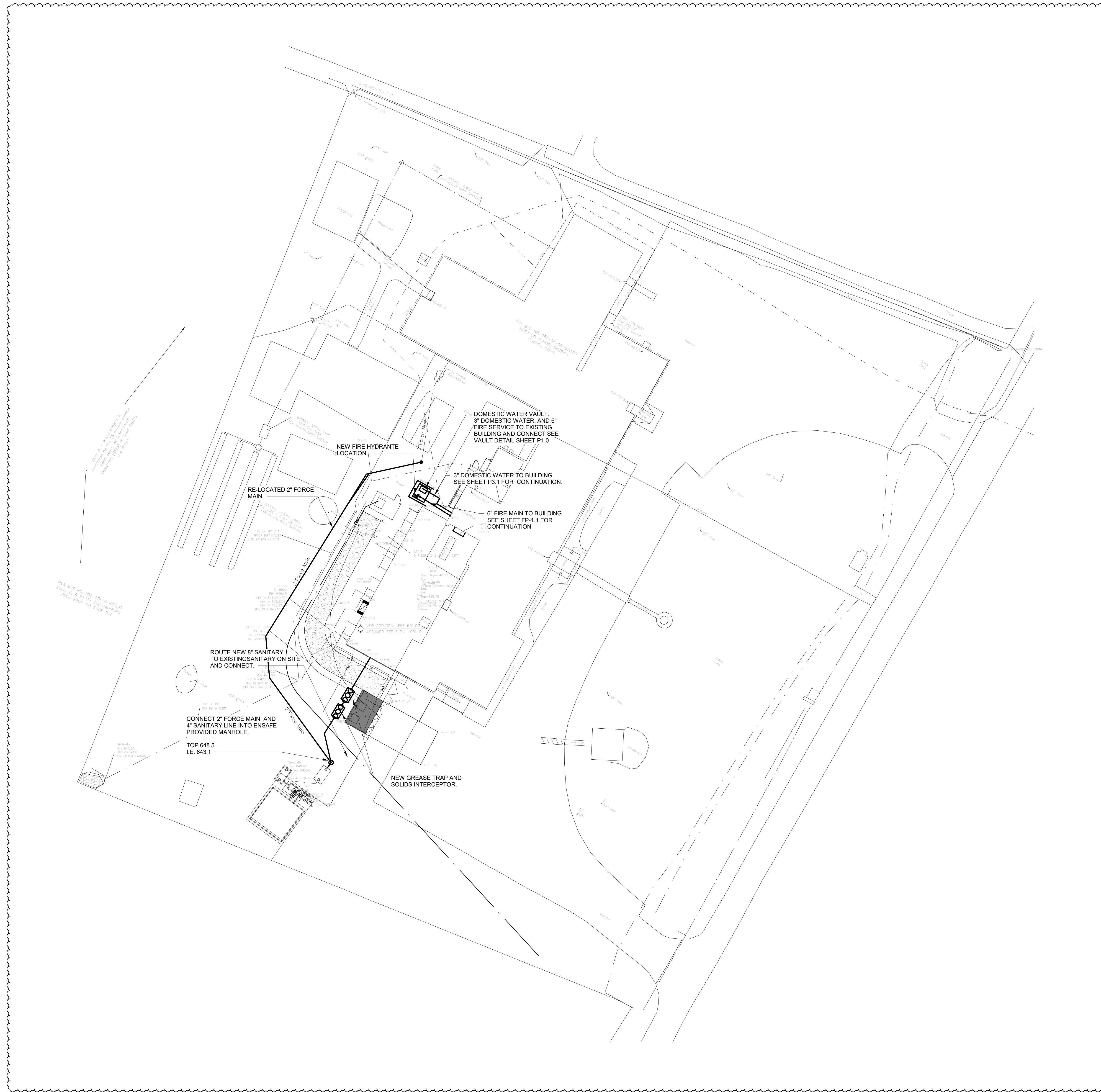


1 SITE UTILITY PLAN – PLUMBING DEMOLITION
NO SCALE

JOB NO.	2210
DATE	MAR. 9, 2016
DRAWN	Author
CHECKED	Checker

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1	ADDENDUM #3	09/11/2023



2 SITE UTILITY PLAN – PLUMBING
NO SCALE

JOB NO.	2210
DATE	MAR. 9, 2016
DRAWN	AME
CHECKED	JRE

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No.	Description	Date
1	ADDENDUM #2	08/23/2023
2	ADDENDUM #3	09/11/2023

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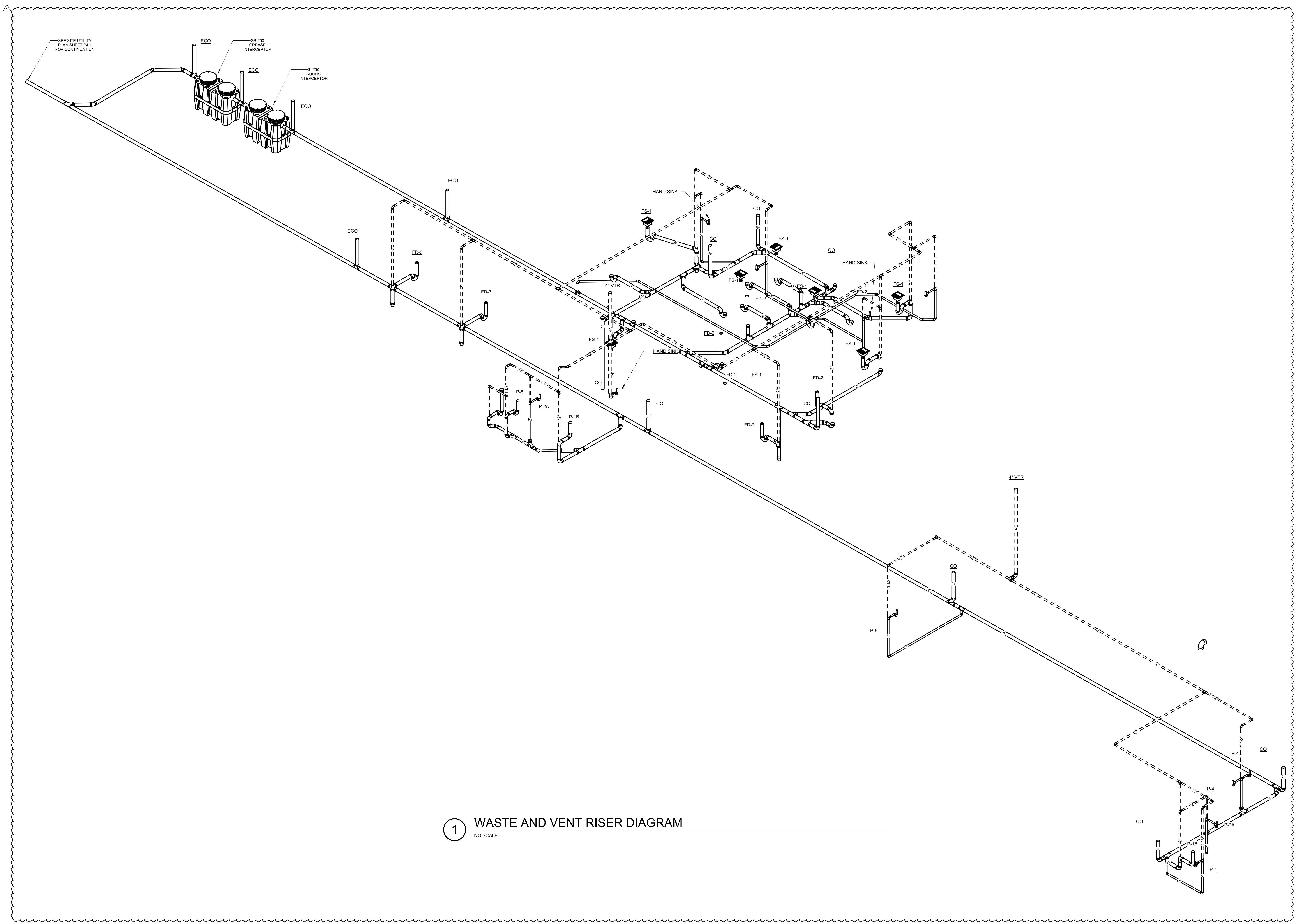
WASTE AND VENT RISER DIAGRAM

JOB NO.	2210
DATE	MAR. 9, 2016
DRAWN	AME
CHECKED	JRE

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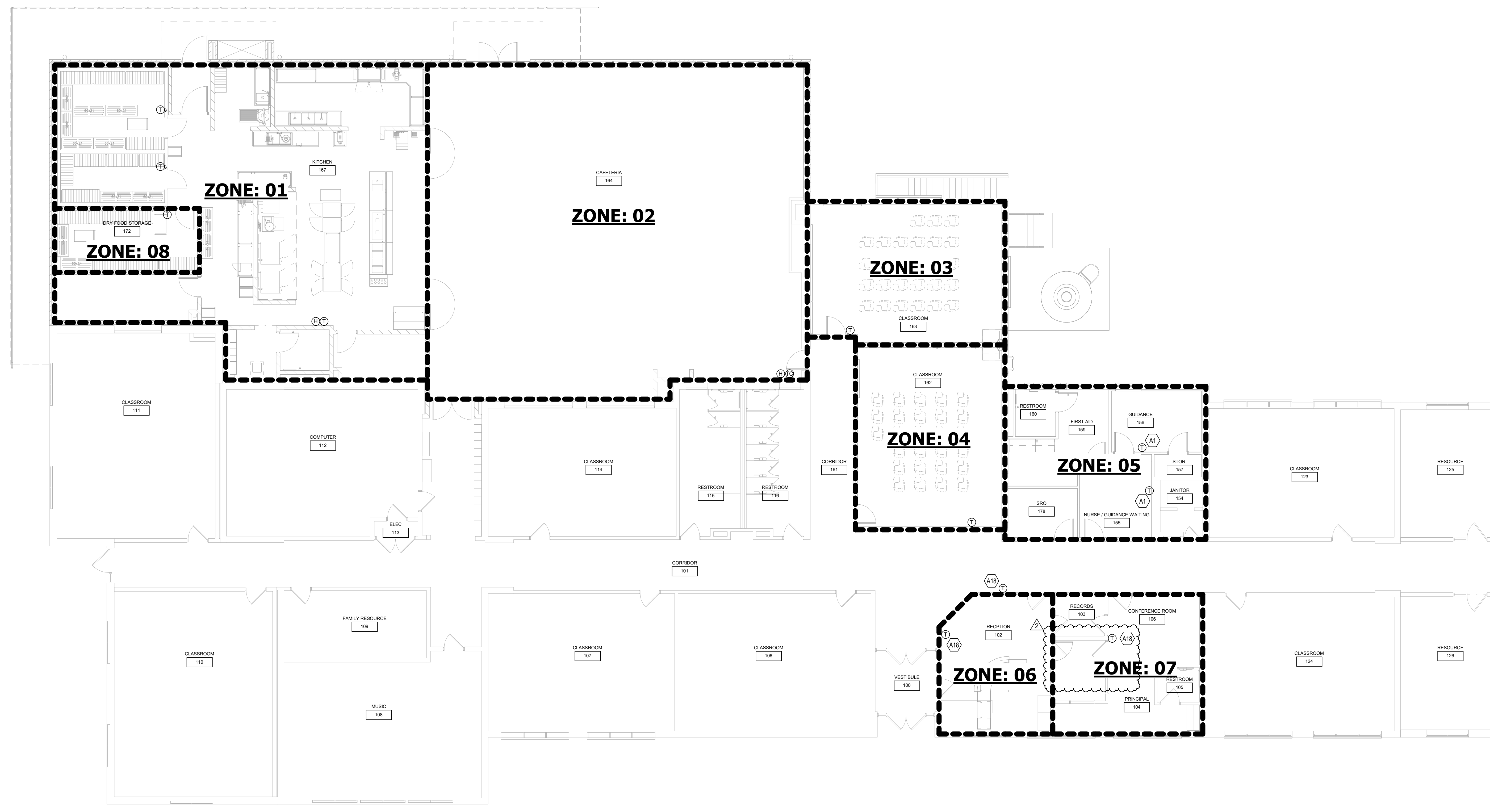
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1	ADDENDUM #3	09/11/2023

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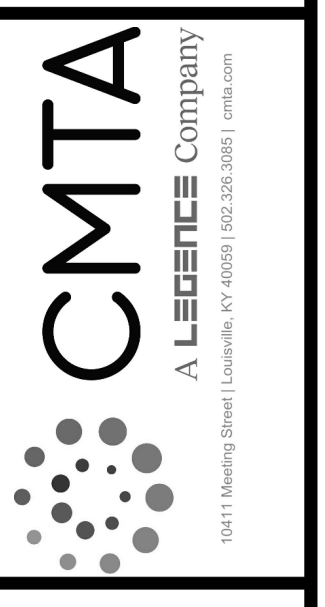
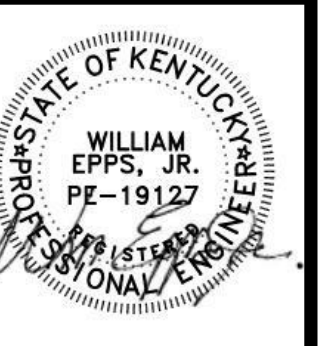


1 WASTE AND VENT RISER DIAGRAM
NO SCALE

TAGGED NOTES	
A1	PROVIDE ZONE HEAT PUMP WITH 2 TEMPERATURE SENSORS FOR AVERAGE TEMPERATURE CONTROL.
A18	EXISTING THERMOSTAT TO REMAIN.



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



FIRST FLOOR PLAN - MECHANICAL DEMOLITION

JOB NO. 1506.2
DATE 08/03/2023
DRAWN ADB
CHECKED JRE

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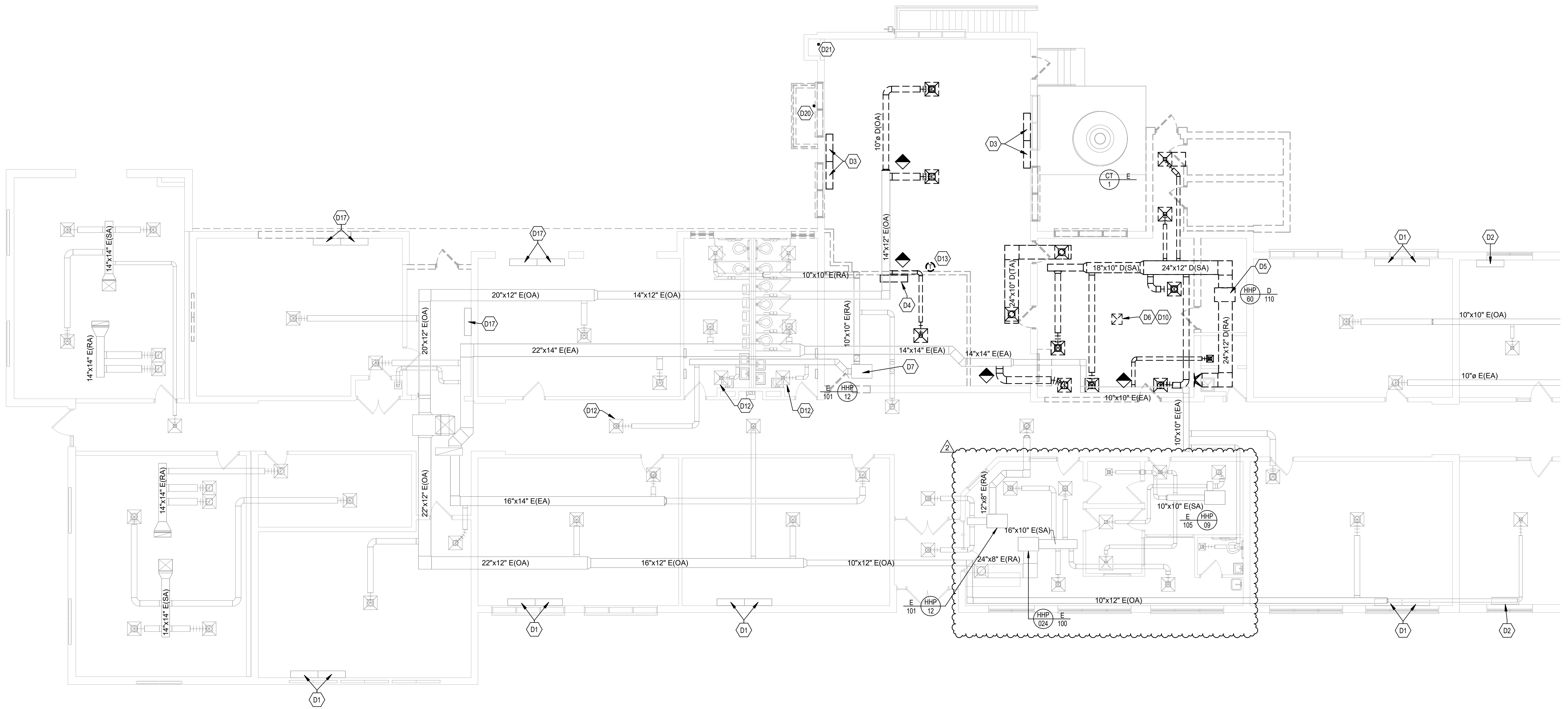
No.	Description	Date
1	ADDENDUM #2	08/23/2023
2	ADDENDUM #3	09/11/2023

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M2.1

TAGGED NOTES

- D1 CONSOLE HEAT PUMPS TWINNED TOGETHER TO REMAIN.
- D2 CONSOLE HEAT PUMP TO REMAIN. PROTECT DURING CONSTRUCTION.
- D3 CONSOLE HEAT PUMP TO BE SAFELY REMOVED AND REUSED FOR NEW CLASSROOMS. SEE NEW WORK PLAN FOR ADDITIONAL INFORMATION.
- D4 COMPLETELY REMOVE EXISTING CONSOLE HEAT PUMPS INCLUDING ASSOCIATED PIPING, INSULATION, SUPPORTS AND CONTROLS.
- D5 COMPLETELY REMOVE EXISTING CEILING HUNG UNIT INCLUDING ASSOCIATED DUCTWORK, GRILLES, INSULATION, SUPPORTS AND CONTROLS.
- D6 COMPLETELY REMOVE EXISTING KITCHEN HOOD INCLUDING ASSOCIATED DUCTWORK, SUPPORTS AND CONTROLS. REMOVE EXHAUST FAN ON ROOF.
- D7 EXISTING HVAC TO REMAIN. PROTECT DURING CONSTRUCTION. PRETEST AIRFLOWS PRIOR TO DEMOLITION AND REPORT TO ENGINEER. COVER OA EQUIPMENT INTAKES WITH FILTER MEDIA DURING CONSTRUCTION.
- D10 COMPLETELY REMOVE KITCHEN EXHAUST FAN INCLUDING ASSOCIATED POWER AND CONTROLS. CAP ROOF CURB. SEE ROOF CURB CAP DETAIL FOR ADDITIONAL INFORMATION.
- D12 EXISTING SUPPLY DIFFUSER TO REMAIN. PRETEST AIRFLOWS PRIOR TO DEMOLITION AND REPORT TO ENGINEER.
- D13 EXISTING THERMOSTAT CONTROLS TO BE REMOVED.
- D17 CONSOLE HEAT PUMPS TO BE SAFELY REMOVED TO DEMO CONDENSATE AND REWORK PIPING. CONSOLE HEAT PUMPS TO BE REINSTALLED IN THE SAME LOCATION. SEE NEW WORK DRAWINGS FOR ADDITIONAL INFORMATION.
- D20 OUTSIDE AIR DUCT TO BE REMOVED. SEE M4.0 FOR CONTINUATION.
- D21 EXHAUST AIR DUCT TO BE REMOVED. SEE M4.0 FOR CONTINUATION.



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

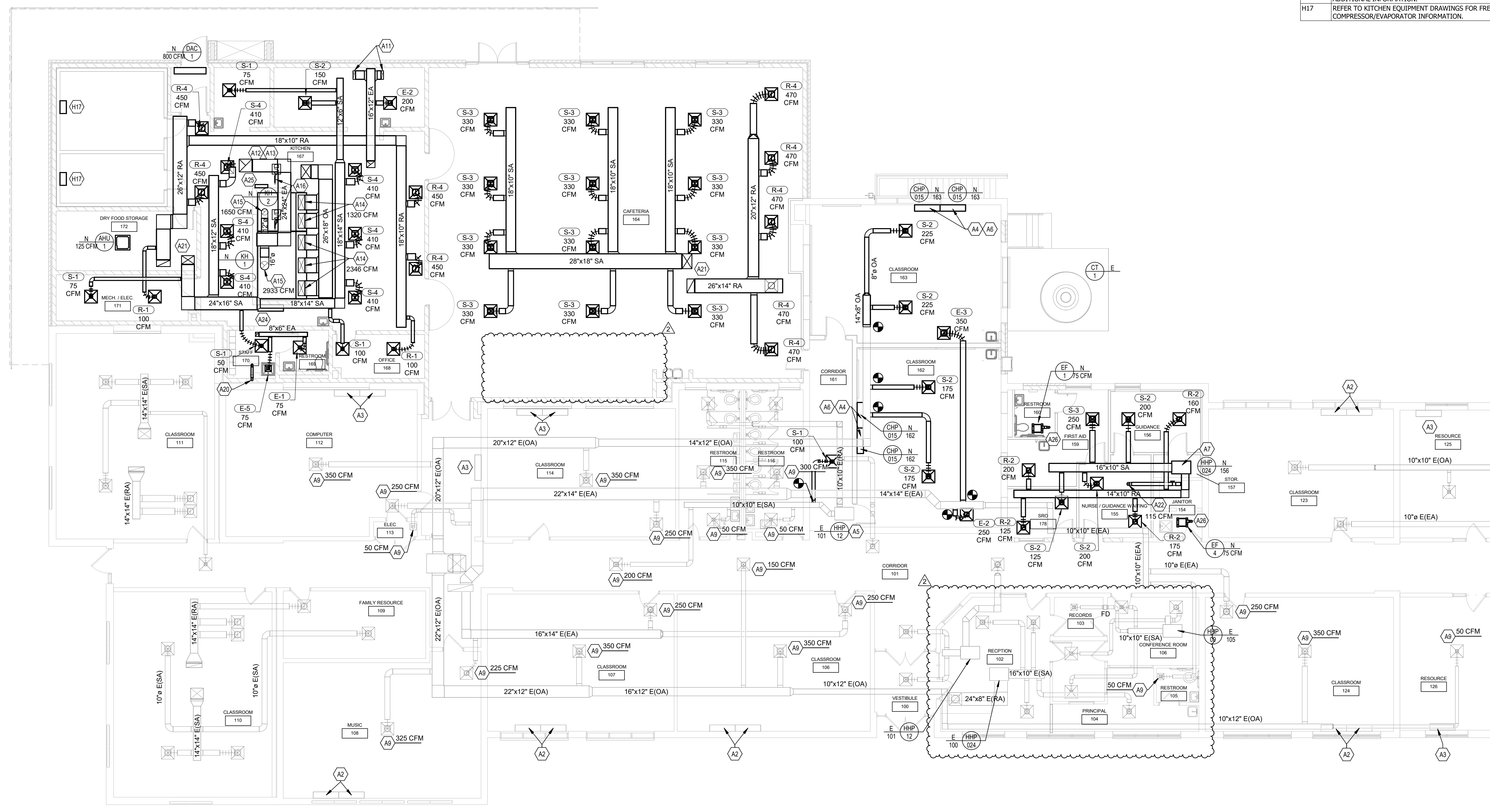
1506.2 LEGRANDE ELEMENTARY ADDITION AND RENOVATION 8/11/2023 3:17:09 PM

LEGRANDE ELEMENTARY - IMC 2015/ASHRAE 62.1-2010 - VENTILATION CALCULATIONS

ROOM NUMBER	ROOM NAME	ROOM TYPE	Az FLOOR AREA (SF)	#/1000 SF	ASHRAE OCCUPANCY (Pz)	ASHRAE OA PER PERSON (Rp)	(Pz * Rp)	ASHRAE REQUIRED CFM/SF (Ra)	(Ra * Az)	Ez FOR SQFT ONLY	Ez_ZONE AIR DISTRIBUTION EFFECTIVENESS	ASHRAE OA AIRFLOW (CFM)	ACTUAL OA AIRFLOW (CFM)
167	KITCHEN	KITCHEN (COOKING)	1532	0		0		0	0	0	1.0	0	0
168	OFFICE	OFFICE SPACE	97	5	1	5	5	0.06	6	6	1.0	11	15
169	RESTROOM	RESTROOM	50	0	0	0	0	0	0	0	1.0	0	0
170	STAFF	BREAKROOM	57	50	3	5	14	0.12	7	7	1.0	21	25
171	MECH/ELEC	MECHANICAL ROOM	157	0	0	0	0	0	0	0	1.0	0	0
172	DRY FOOD STORAGE	STORAGE ROOM	206	0	0	0	0	0	0	0	1.0	0	0
164	CAFETERIA	CAFETERIA	2928	100	293	7.5	2195	0.18	527	527	1.0	2722	2725
161	CORRIDOR	CORRIDOR	200	0	0	0	0	0.06	12	12	1.0	12	15
162	CLASSROOM	CLASSROOM (AGE 9+)	641	35	22	10	224	0.12	77	77	1.0	301	305
163	CLASSROOM	CLASSROOM (AGE 9+)	627	35	22	10	219	0.12	76	76	1.0	295	300
154	JANITOR	MECHANICAL ROOM	69	0	0	0	0	0	0	0	1.0	0	0
155	NURSE/GUIDANCE WAITING	RECEPTION	140	30	4	5	21	0.06	9	9	1.0	30	30
156	STORAGE	OFFICE SPACE	134	5	1	5	3	0.06	9	9	1.0	12	15
157	FIRST AID	DAYCARE SICKROOM	154	25	2	10	20	0.18	28	28	1.0	48	50
160	RESTROOM	RESTROOM	45	0	0	0	0	0	0	0	1.0	0	0
176	SRQ	OFFICE SPACE	81	5	1	5	5	0.06	5	5	1.0	10	10

TAGGED NOTES

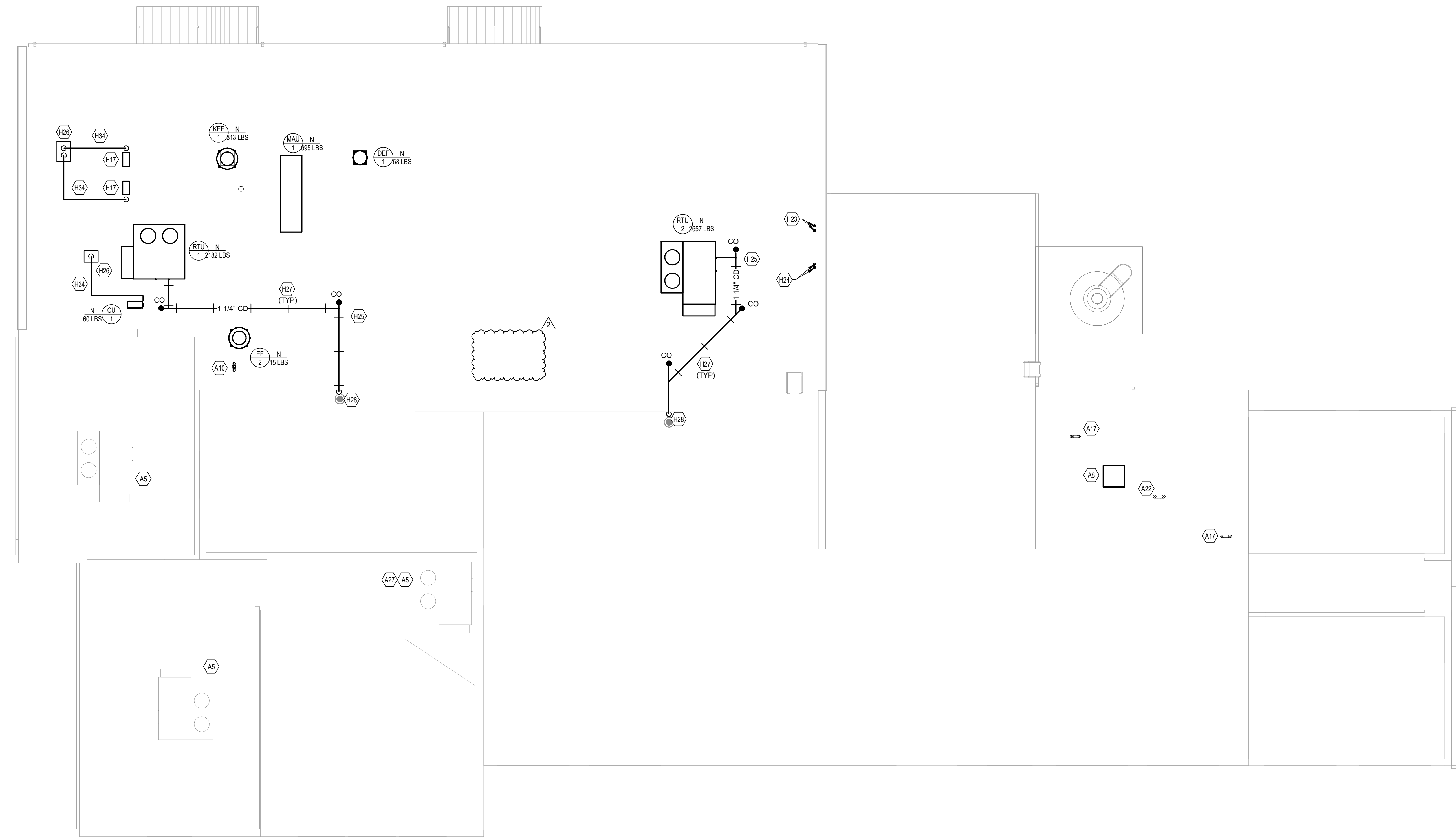
- A2 EXISTING CONSOLE HEAT PUMPS TWINNED TOGETHER TO REMAIN. PROTECT DURING CONSTRUCTION.
- A3 REINSTALL EXISTING CONSOLE HEAT PUMPS WITH NEW CONDENSATE PIPE ROUTING.
- A4 EXISTING CONSOLE HEAT PUMPS TO BE REUSED IN THIS LOCATION. HEAT PUMPS TO BE TWINNED TOGETHER.
- A5 EXISTING HVAC TO REMAIN. PROTECT DURING CONSTRUCTION. EXISTING DUCTWORK AND GRILLES TO BE THOROUGHLY CLEANED AND REBALANCED. PRETEST AIRFLOWS PRIOR TO REBALANCING AND REPORT TO ENGINEER. ROOFTOP UNITS SHALL REMAIN.
- A6 INSTALL NEW CONSOLE HEAT PUMP PER DETAIL.
- A7 INSTALL NEW HEAT PUMP PER DETAIL.
- A9 EXISTING DEVICE TO REMAIN. BALANCE AIRFLOW TO NOTED CFM.
- A11 EXTEND 1604 DUCT DOWN TO DISHWASHER AND CONNECT WITH BALANCING DAMPER. BALANCE FOR 400 CFM. ALL DUCTWORK SHALL BE WELDED AND POLISHED STAINLESS STEEL.
- A12 GREASE DUCTWORK SHALL BE WELDED STEEL. CONSTRUCTION SLOPED BACK TO HOOD AT 2% GRADE (MIN.). WRAP ENTIRE DUCT WITH GREASE DUCT FIRE PROTECTION SYSTEM EQUAL TO JOHN MANVILLE "SUPER FIRESTOP" DUCT ENCLOSURE AND FIRE STOP SYSTEM MEETING ASTM E814 (3 HOUR ENCLOSURE).
- A13 PROVIDE GREASE DUCT CLEANOUTS AT 20'-0" INTERVALS AND 10'-0" FROM ENDS AND AT ALL CHANGES IN DIRECTION.
- A14 EXTEND AND CONNECT INDICATED 20X12 SUPPLY DUCT TO KITCHEN HOOD SUPPLY PLENUM AND BALANCE TO AIRFLOW INDICATED.
- A15 CONNECT GREASE DUCT TO KITCHEN HOOD AND BALANCE TO AIRFLOW INDICATED.
- A16 PROVIDE ACCESS DOOR IN KITCHEN EXHAUST DUCT PER CODE.
- A20 6" Ø DRYER VENT. PROVIDE DRYER BOX, LINT TRAP AND CLEANOUT. TERMINATE VENT AT ROOF AS SHOWN ON ROOF PLAN. TERMINATE WITH GOOSENECK FITTING.
- A21 EXTEND UNIT INLET/OUTLET DUCT SIZES THROUGH ROOF AND TRANSITION TO INDICATED DUCT SIZE IN JOIST SPACE.
- A22 6" Ø OA THROUGH ROOF WITH GOOSENECK DISCHARGE. BALANCE WITH DAMPER AT CFM INDICATED. REFER TO DETAIL FOR ADDITIONAL INFORMATION. MAINTAIN MINIMUM 10' DISTANCE BETWEEN EXHAUST TERMINATIONS AND OUTDOOR AIR INTAKES.
- A24 KITCHEN HOOD CONTROL AND FIRE CABINET. HIGH ON WALL BELOW CEILING. INSTALL PER MANUFACTURER REQUIREMENTS.
- A25 DOC KITCHEN CONTROL PANEL. REFER TO SEQUENCE OF OPERATION FOR ADDITIONAL INFORMATION.
- A26 4" Ø EA THROUGH ROOF WITH GOOSENECK DISCHARGE. BALANCE WITH DAMPER AT CFM INDICATED. REFER TO DETAIL FOR ADDITIONAL INFORMATION.
- H17 REFER TO KITCHEN EQUIPMENT DRAWINGS FOR FREEZER/COOLER COMPRESSOR/EVAPORATOR INFORMATION.



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

TAGGED NOTES

A5	EXISTING HVAC TO REMAIN. PROTECT DURING CONSTRUCTION. EXISTING DUCTWORK AND GRILLES TO BE THOROUGHLY CLEANED AND REBALANCED. PRETEST AIRFLOWS PRIOR TO REBALANCING AND REPORT TO ENGINEER. ROOFTOP UNITS SHALL REMAIN.
A8	PROVIDE ROOF CURB CAP PER DETAIL. COORDINATE WITH CURRENT ROOF WARRANTY AND INSTALLER.
A10	EXTEND DRYER VENT DUCT UP THROUGH ROOF. SEE GOOSENECK ROOF PENETRATION DETAIL FOR ADDITIONAL INFORMATION. PROVIDE LINT TRAP/CLEANOUT AT DRYER, IF APPLICABLE.
A17	4"Ø EA DUCT FROM EXHAUST FAN. TERMINATE DUCT WITH ROOF CURB, GOOSENECK FITTING AND BIRDSCREEN. MAINTAIN MINIMUM 10' DISTANCE BETWEEN EXHAUST TERMINATION AND OUTDOOR AIR INTAKES.
A22	6"Ø OA THROUGH ROOF WITH GOOSENECK DISCHARGE. BALANCE WITH DAMPER AT CFM INDICATED. REFER TO DETAIL FOR ADDITIONAL INFORMATION. MAINTAIN MINIMUM 10' DISTANCE BETWEEN EXHAUST TERMINATIONS AND OUTDOOR AIR INTAKES.
A27	REPLACE SUPPLY AND EXHAUST FAN BELTS AND SHEAVES TO OBTAIN AIRFLOWS INDICATED.
H17	REFER TO KITCHEN EQUIPMENT DRAWINGS FOR FREEZER/COOLER COMPRESSOR/EVAPORATOR INFORMATION.
H23	EXTEND COMBUSTION AIR INTAKE TERMINATION THROUGH ROOF AND TURN DOWN WITH 90° ELBOW. PROVIDE WITH MESH SCREEN. SEE TYPICAL COMBUSTION AIR ROOF PENETRATION DETAIL FOR ADDITIONAL INFORMATION.
H24	EXTEND FLUE GAS EXHAUST TERMINATION THROUGH ROOF AND MINIMUM 4' ABOVE INTAKE TERMINATION. TERMINATION TO BE MINIMUM 4' FROM INTAKE TERMINATION. SEE TYPICAL COMBUSTION AIR ROOF PENETRATION DETAIL FOR ADDITIONAL INFORMATION.
H25	EXTEND CONDENSATE TO ROOF DRAIN.
H26	ROUTE THE PIPING DOWN THROUGH THE ROOF. REFER TO M4.2 FOR CONTINUATION. PROVIDE CURB WITH CHASE. REFER TO PIPE CHASE ROOF CURB DETAIL FOR ADDITIONAL INFORMATION.
H27	PROVIDE PIPE SUPPORTS FOR ROOFTOP PIPING 8'-0" ON CENTER.
H28	CONDENSATE PIPE DOWN TO ROOF DRAIN. SECURE TO STRUCTURE.
H34	REFER TO MANUFACTURER INSTRUCTIONS FOR PIPE SIZING.



1 ROOF PLAN - MECHANICAL NEW WORK
SCALE: 1/8" = 1'-0"

MARK	#	MANUF.	MODEL	PRODUCT	SERVICE	CONFIGURATION	NOM. SIZE LXWXH (IN.)	WEIGHT (LBS)	ELECTRICAL										RELIEF AIR FAN						ENERGY RECOVERY WHEEL						EXHAUST AIR SIDE											
									VOLTAGE	PHASE	HZ	MCA/MOP	CFM	SUPPLY AIR FAN		MOTOR		RELIEF AIR FAN		MOTOR		OUTSIDE AIR SIDE		EAT-SUMMER		EAT-WINTER		CFM		EAT-SUMMER		EAT-WINTER										
														NO. OF FANS - RPM	FAN TYPE	T.S.P./E.S.P (IN WG)	MOTOR HP/BHP (PER FAN)	T.S.P./E.S.P (IN WG)	MOTOR HP/BHP (PER FAN)	MINIMUM EFFICIENCY	CFM	APD	EAT-SUMMER (DBWB)	LAT-SUMMER (DBWB)	EAT-WINTER (DBWB)	LAT-WINTER (DBWB)	EAT-SUMMER (DBWB)	EAT-WINTER (DBWB)	CFM	APD	EAT-SUMMER (DBWB)	EAT-WINTER (DBWB)										
RTU	1	DAIKIN APPLIED	DPS007A	REBEL	KITCHEN	DOWNFLOW	91X97X57	2210	208		3	60	38.6/50	3000	1-2702	SWSI AF	2.6/2.0	4.0/1.94	2000																							
RTU	2	DAIKIN APPLIED	DPS010A	REBEL W/ERV	CAFETERIA	DOWNFLOW	111X97X57	2688	208		3	60	61.6/70	4000	1-2161	SWSI AF	3.8/2.0	8.0/3.82	2350	1-2179	SWSI AF	-1.00	4.0/1.06	79	1650	0.09	95/78		79/67	5/3	53/41	1500	0.07	74/62		68/50						

MARK	#	DX COOLING COIL										HOT GAS REHEAT						GAS HEATING				PRIMARY FILTER SECTION			
		TOTAL COOLING CAP. (MBH)	SENSIBLE COOLING CAP. (MBH)	EAT (DBWB) (°F)	LAT (DBWB) (°F)	MAX FACE VELOCITY (FPF)	MAX. AIR PRESSURE DROP (IN. WG.)	COIL ROWS	FIN SPACING (FINS/IN)	REHEAT CAPACITY (MBH)	REHEAT LAT (°F)	COMP. TYPE	COMP. QTY.	MINIMUM GAS PRESSURE (IN. WG)	INPUT CAPACITY (MBH)	OUTPUT CAPACITY (MBH)	EAT (°F)	LAT (°F)	TYPE	EFFICIENCY/TEST METHOD	MAX. VELOCITY (FPF)	MINIMUM FILTER AREA (SQ. FT.)		APD	
																						CFM	SP		CFM
RTU	1	90047	73347	76/64	54/54	214	0.14	3	15	52466	70	SCROLL	2	5	200	160	60	109	DISPOSABLE	MERV8	166.7	18.0	0.05		
RTU	2	118473	94581	76/64	54/54	259.2	0.25	4	15	68227	70	SCROLL	2	5	200	160	62	99	DISPOSABLE	MERV8	222.2	18.0	0.10		

- REMARKS:**
- PROVIDE FACTORY START-UP UTILIZING MANUFACTURERS STANDARD FORMS.
 - PROVIDE NON-FUSED DISCONNECT AND SINGLE POINT POWER CONNECTION.
 - PROVIDE RATIO DIGITAL SCROLL COMPRESSORS.
 - PROVIDE 24" INSULATED ROOF CURB.
 - PROVIDE VAV SINGLE ZONE WITH ECONOMIZER.
 - PROVIDE OUTSIDE AND EXHAUST AIRFLOW MONITORING.
 - PROVIDE UNIT WITH FACTORY CONTROLS WITH BACNET/MS/TP INTERFACE GATEWAY.
 - THE RTU SHALL INCLUDE PROVISIONS FOR SHUTDOWN UPON ACTIVATION OF EITHER FIRE ALARM VIA DUCT SMOKE DETECTOR.
 - SUPPLY STAINLESS STEEL CONDENSATE DRAIN PAN. ENTIRE PAN SHALL BE PITCHED TO OUTLET.
 - PROVIDE A CONDENSATE TRAP SIZED AND INSTALLED PER THE MANUFACTURERS RECOMMENDATIONS.
 - ANY UNIT EXCEEDING THE LISTED DIMENSIONS OR WEIGHTS SHALL BE SUBMITTED FOR REVIEW AND APPROVED BY THE ENGINEER.
 - PROVIDE ALL UNITS WITH HALL GUARD.
 - PROVIDE UNITS WITH 0-100% MODULATING HOT GAS REHEAT.
 - PROVIDE ECM CONDENSER FANS.
 - COORDINATE FINAL MOTOR LOAD REQUIREMENTS WITH ELECTRICAL CONTRACTOR.

KITCHEN HOOD SCHEDULE

MARK	#	MFG	MODEL	LENGTH	MOUNTING HEIGHT	TYPE	APPLIANCE DUTY	DESIGN CFM/FT	EXHAUST CFM	EXHAUST PLENUM				HOOD CONSTRUCTION	SUPPLY CFM	PERFORATED SUPPLY PLENUM(S)				WEIGHT (LBS)						
										RISER(S)		VELOCITY	SP			POSITION	LENGTH	WIDTH	HEIGHT		TYPE	EFFICIENCY/TEST METHOD	MAX. VELOCITY (FPF)	MINIMUM FILTER AREA (SQ. FT.)	APD	
										HEIGHT	DIAMETER															CFM
KH	1	K-TECH	7224 PK-ND-2 Q-SB-F	10' 8"	80"	CLASS 1	MEDIUM	275	2933	4"	16"	2933	2101	-1.251"	430 SS WHERE EXPOSED	2346	FRONT	129"	20"	6"	MJIA	12"	28"	782	0.228"	851
KH	2	K-TECH	7224 PK-ND-2 Q-SB-F	6' 0"	80"	CLASS 1	HEAVY	275	1650	4"	12"	1650	2101	-0.953"	430 SS WHERE EXPOSED	1320	FRONT	73"	20"	6"	MJIA	12"	28"	660	0.228"	423

- REMARKS:**
- TYPE I HOOD SHALL BE CONSTRUCTED OF 18 GA SS WELDED CONSTRUCTION WITH FULL LENGTH REMOVABLE CONDENSATE BAFFLE. HOOD SHALL INCLUDE A FULL PERIMETER, WELDED, FILTERS, CONDENSATE COLLECTING GUTTER. PROVIDE WITH DUCT COLLAR CONNECTIONS, LIGHTS AND FILTER.
 - PROVIDE STAINLESS STEEL FIELD WRAPPER INSTALLED FROM TOP OF HOOD TO ABOVE CEILING ON ALL 3 WALLS AROUND HOOD.
 - PROVIDE STAINLESS STEEL VERTICAL OR WALL END PANELS ON RIGHT AND LEFT SIDE OF HOOD.
 - PROVIDE WITH WALL UTILITY CABINET WITH HOOD SUPPRESSION FIRE SYSTEM AND GAS VALVE ASSEMBLY. EXTEND PIPING FROM WALL CABINET TO HOOD PER VENDOR REQUIREMENTS FOR A COMPLETE FUNCTIONAL KP HOOD SYSTEM.
 - HOOD MOUNTED CONTROL PANEL FOR HOOD FAN AND LIGHTS.
 - ACCEPTABLE MANUFACTURERS: K-TECH, GREENHECK, CAPTIVE-AIRE OR HALTON.

HEAT PUMP SCHEDULE

MARK	#	MFG	MODEL	TYPE	NOM. CFM	ESP (IN WG.)	FAN	GPM	WATER PD (FT. H2O)	COMPRESSORS	STAGES	REFRIGERANT	WEIGHT (LBS)	ELECTRICAL					REVERSE CYCLE HEATING CAPACITY - 70°F EAT, 50°F EWT			COOLING CAPACITY - 74°F / 62°F, 85°F EWT			
														VOLTS	Hz	PH	MCA	MOCP	HEATING CAPACITY (MBH)	HEAT OF ABSORPTION (MBH) (FULL)	COP @ ARI (FULL)	SENSIBLE COOLING (MBH)	TOTAL CAPACITY (MBH) (FULL)	HEAT OF REJECTION (MBH)	EER @ ARI
CHP	015	WATERFURNACE	NCS16	CONSOLE	600	0.10	ECM	3.5	10.00	1	1	R-410A	230	208 V	60	1	10 A	15 A	14.9	11.6	4.5	12.1	13.7	17.4	12.4
HHP	024	WATERFURNACE	NBH026	HORIZONTAL	800	0.70	ECM	6.0	6.00	1	2	R-410A	325	208 V	60	3	12 A	15 A	24.9	19.5	4.6	18.4	26.0	31.3	16.7

- REMARKS:**
- PROVIDE UNITS WITH INTEGRAL DISCONNECT. IF MANUFACTURER CANNOT ACCOMMODATE, A DISCONNECT SHALL BE PROVIDED AS REQUIRED. ELECTRICAL CONTRACTOR SHALL FURNISH DISCONNECTS FOR 8 TON OR LARGER HEAT PUMPS. RE-USE EXISTING FUSED DISCONNECTS WHERE POSSIBLE.
 - PROVIDE UNITS WITH CONDENSATE OVERFLOW SWITCH.
 - PROVIDE SOUND KITS AND COMPRESSOR ACOUSTIC BLANKET FOR HORIZONTAL AND VERTICAL HEAT PUMPS.
 - PROVIDE UNITS WITH VARIABLE SPEED ECM WHERE POSSIBLE.
 - PROVIDE HIGH STATIC FANS FOR ALL APPLICABLE HEAT PUMPS.
 - COORDINATE LEFT-HAND/RIGHT-HAND AND STRAIGHT-THROUGH/END DISCHARGE CONFIGURATIONS FOR ALL UNITS PRIOR TO ORDERING.
 - PROVIDE UNIT STAND AS NECESSARY TO ALLOW FOR PROPER INSTALLATION OF CONDENSATE P-TRAP.
 - RE-USE EXISTING UNITS WHERE NOTED ON PLANS.

MAKE-UP AIR UNIT SCHEDULE

MARK	#	MFG	MODEL	CFM	ESP	HP	RPM	ELECTRICAL					HEATING CAPACITY			WEIGHT (LBS)
								VOLT.	PH	FLA	MCA	MOCP	GAS INPUT (MBH)	GAS OUTPUT (MBH)	GAS INLET PRESSURE (IN. WC)	
MAU	1	K-TECH	K-A2-D-500-20D	3666 CFM	0.50 in-wg	2	1417	208 V	3	8 A	10 A	15 A	249311	229366	7 IN. W.C. - 14 IN. W.C.	695

- REMARKS:**
- ALL COMPONENTS OF THE MAKEUP AIR UNIT SHALL BE UL LISTED.
 - PROVIDE WEATHERPROOF DISCONNECT SWITCH.
 - PROVIDE MAKEUP AIR UNIT WITH DISCHARGE AIR TEMPERATURE CONTROL.
 - PROVIDE A FULL PERIMETER INSULATED ROOF CURB.
 - PROVIDE WITH MOTORIZED BACKDRAFT DAMPER IN INTAKE OF UNIT INTERLOCKED TO OPE WITH SUPPLY FAN. DAMPER SHALL HAVE SEALS.
 - PROVIDE WITH FILTER, FREEZE STAT, DIRECT DRIVE FAN.
 - ACCEPTABLE MANUFACTURERS: K-TECH, DUO/AIRE, TRANE, REZNOR, GREENHECK.

DUCTLESS SPLIT SYSTEM SCHEDULE

MARK	#	MANUFACTURER	MODEL	SERVICE	CONFIGURATION	FAN CFM	NOMINAL COOLING CAPACITY	SENSIBLE COOLING CAPACITY	NOMINAL HEATING CAPACITY	SEER	VOLTAGE	ELECTRICAL				WEIGHT (LBS)
												PHASE	MCA	HSPF	HPSE	
AHU	1	DAIKIN	FFQ12Q2V/JU	DRY FOOD STORAGE - 172	CEILING MOUNTED	125 CFM	10800.0 Btu/h	8430.0 Btu/h	13500.0 Btu/h	20.90	208 V	1	60	9 A	11.70	36
CU	1	DAIKIN	RX12QM/JU	DRY FOOD STORAGE - 172	ROOF MOUNTED		10800.0 Btu/h		13500.0 Btu/h	18.00	208 V	1	60	9 A	11.20	60

- REMARKS:**
- COOLING CAPACITY BASED ON: 80°F / 67°F (DB / WB) INDOOR; 95°F / 75°F (DB / WB) OUTDOOR.
 - HEATING CAPACITY BASED ON: 70°F / 60°F (DB / WB) INDOOR; 17°F / 15°F (DB / WB) OUTDOOR.
 - SPLIT SYSTEMS SHALL USE R-410A REFRIGERANT. LOW AMBIENT COOLING TO 0° OUTDOOR AIR TEMPERATURE.
 - PROVIDE CONDENSATE PUMP EQUAL TO BLUE DIAMOND "MAXIBLUE". ELECTRICAL CONTRACTOR SHALL PROVIDE SEPARATE 120 VOLT POWER FOR PUMP.
 - DISCONNECT FURNISHED AND INSTALLED BY ELECTRICAL CONTRACTOR.
 - ACCEPTABLE MANUFACTURERS: DAIKIN, MITSUBISHI, SANYO AND FRIEDRICH.

EXHAUST FAN SCHEDULE

MARK	#	MFG	MODEL	SERVICE	TYPE	AIRFLOW (CFM)	E.S.P.	DRIVE	RPM	FAN HP	BHP	ELECTRICAL DATA				WEIGHT (LBS)	REMARKS
												VOLTAGE	PHASE	HZ	SONES		
DEF	1	K-TECH	DU33HK	DISHWASHER	ROOF MOUNTED - UPBLAST	1000 CFM	0.25	DIRECT	1623	1/3	0.2840	115 V	1	60	18.2	66	1,2,6,7,8,9,11,12
EF	1	GREENHECK	SP-890	RESTROOM - 160	CEILING EXHAUST FAN	75 CFM	0.13	DIRECT	700	1/8	-	120 V	1	60	1	10	1,2,3,4,5,8,11
EF	2	GREENHECK	G-070G	RESTROOM - 169, STAFF - 170	ROOF MOUNTED - UPBLAST	250 CFM	0.13	DIRECT	1300	1/80	0.02	120 V	1	60	3.3	15	1,2,6,7,8,9,11
EF	4	GREENHECK	SP-890	JANITOR - 154	CEILING EXHAUST FAN	75 CFM	0.13	DIRECT	700	1/8	-	120 V	1	60	1	10	1,2,3,4,5,8,11
KEF	1	K-TECH	DU240HK	KITCHEN HOODS	ROOF MOUNTED - UPBLAST	4583 CFM	2.00	DIRECT	995	5	3.0250	208 V	3	60	20	313	1,2,6,7,8,9,10,11

- REMARKS:**
- PROVIDE FAN WITH INTEGRAL DISCONNECT.
 - ALL EXHAUST FANS SHALL BE UL LISTED.
 - PROVIDE CEILING EXHAUST FAN WITH WALL MOUNTED SPEED CONTROLLER. CONTROL SWITCH SHALL BE INSTALLED BY TCC.
 - PROVIDE CEILING EXHAUST FAN WITH INTERNAL BACKDRAFT DAMPER.
 - PROVIDE FAN WITH INTEGRAL LIGHT AND SWITCH.
 - PROVIDE FAN WITH HINGED INSULATED CURB.
 - PROVIDE NEW ROOF CURB.
 - COORDINATE FINAL MOTOR LOAD REQUIREMENTS WITH ELECTRICAL CONTRACTOR.
 - PROVIDE FAN WITH BIRD SCREEN.
 - PROVIDE WITH GREASE COLLECTOR AND HINGED TOP, VENTILATED ROOF CURB AND FAN BASE CERAMIC SEAL.
 - ACCEPTABLE MANUFACTURERS: GREENHECK, LOREN COOK, TWIN CITY, K-TECH.
 - ECM WIRING PACKAGE, BIRD SCREEN, GRAVITY DAMPER.

DOOR AIR CURTAIN SCHEDULE

MARK	#	MANUFACTURER	MODEL	SERVICE	CONFIGURATION	DIMENSIONS (IN.)			FAN CFM	HEATING CAPACITY (KW)	MOTOR HP	ELECTRICAL			WEIGHT (LBS)
						LENGTH	DEPTH	HEIGHT				VOLTAGE	PHASE	MCA	
DAC	1	MARS	LPV260-1E	KITCHEN AIR CURTAIN	WALL MOUNTED	60	12	8	800 CFM	9.5	1/6	208 V	1	46 A	50

- REMARKS:**
- LOW PROFILE UNIT MOUNTED BELOW LAY IN CEILING.
 - PROVIDE TRANSFORMER FOR DDC THERMOSTAT, FAN SPEED CONTROLLER, INTEGRAL SUPPLY REGISTER AND ARCHITECTURAL RETURN FRILL WITH FILTER. CABINET COLOR TO BE DETERMINED BY ARCHITECT.
 - DISCONNECT BY ELECTRICAL CONTRACTOR.
 - ACCEPTABLE MANUFACTURERS: MARS, MARKEL, REZNOR AND QMARK.

REGISTERS, GRILLES, AND DIFFUSERS SCHEDULE

MARK	MANUFACTURER	MODEL #	TYPE	GRILLE SIZE	PANEL SIZE	DUCT INLET	CFM RANGE	REMARKS
E-1	TITUS	50F	EXTRUDED ALUMINUM FRAME W/ 1/2" CUBE CORE	24x24	6"Ø	6"Ø	0-100	1.5
E-2	TITUS	50F	EXTRUDED ALUMINUM FRAME W/ 1/2" CUBE CORE	24x24	8"Ø	8"Ø	101-225	1.5
E-3	TITUS	50F	EXTRUDED ALUMINUM FRAME W/ 1/2" CUBE CORE	24x24	10"Ø	10"Ø	226-350	1.5
E-5	TITUS	50F	EXTRUDED ALUMINUM FRAME W/ 1/2" CUBE CORE	12x12	6"Ø	6"Ø	0-100	1.5
R-1	TITUS	50F	EXTRUDED ALUMINUM FRAME W/ 1/2" CUBE CORE	24x24	6"Ø	6"Ø	0-100	1.5
R-2	TITUS	50F	EXTRUDED ALUMINUM FRAME W/ 1/2" CUBE CORE	24x24	8"Ø	8"Ø	101-225	1.5
R-4	TITUS	50F	EXTRUDED ALUMINUM FRAME W/ 1/2" CUBE CORE	24x24	12"Ø	12"Ø	351-600	1.5
S-1	TITUS	OMNI-AA	EXTRUDED ALUMINUM SQUARE PLAQUE FACE	24x24	6"Ø	6"Ø	0-100	1.4,5
S-2	TITUS	OMNI-AA	EXTRUDED ALUMINUM SQUARE PLAQUE FACE	24x24	8"Ø	8"Ø	101-225	1.4,5
S-3	TITUS	OMNI-AA	EXTRUDED ALUMINUM SQUARE PLAQUE FACE	24x24	10"Ø	10"Ø	226-350	1.4,5
S-4	TITUS	OMNI-AA	EXTRUDED ALUMINUM SQUARE PLAQUE FACE	24x24	12"Ø	12"Ø	351-600	1.4,5

- REMARKS:**
- CEILING T-BAR MOUNTED IN 24" X 24" ALUMINUM PANEL OR DRYWALL MOUNTED. REFER TO ON SITE CONDITIONS FOR CEILING TYPES.
 - SIDEWALL OR DUCT MOUNTED.
 - PROVIDE GRILLE WITHOUT 24" X 24" ALUMINUM PANEL.
 - PROVIDE WITH FACTORY INSULATED PLENUM.
 - WHITE IN COLOR.
 - COLOR SHALL BE SELECTED BY PROJECT ENGINEER.

JOB NO. 15062

DATE 08/03/2023

DRAWN ADB

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REVISIONS

No.	Description	Date
1	ADDENDUM #2	08/23/2023
2	ADDENDUM #3	09/11/2023

SHEET

M6.0

GENERAL NOTES (LEGEND):

- ADDITIONAL ELECTRICAL REQUIREMENTS MAY BE SHOWN ON PLANS FROM OTHER DISCIPLINES IN THIS SET. IT IS THE CONTRACTOR'S RESPONSIBILITY TO REVIEW ALL PLANS AND SPECIFICATIONS FOR A COMPLETE UNDERSTANDING OF THE PROJECT REQUIREMENTS.
- WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF ALL LOCAL, STATE, AND NATIONAL CODES, INCLUDING BUT NOT LIMITED TO NFPA 70 (NEC), NFPA 72, INTERNATIONAL BUILDING CODES, ETC.
- CONTRACTOR SHALL FOLLOW SEISMIC RESTRAINT AND DESIGN REQUIREMENTS CONTAINED IN LATEST ADOPTED STATE AND INTERNATIONAL BUILDING CODES, WITH ALL AMENDMENTS AS ADOPTED BY CURRENT LEGISLATION. REFER TO ELECTRICAL AND STRUCTURAL SPECIFICATIONS FOR ADDITIONAL INFORMATION.
- ALL OFFSETS, TURNS, FITTINGS, TRIM, DETAIL, ETC. MAY NOT BE INDICATED, BUT SHALL BE PROVIDED AS REQUIRED. ADDITIONAL ALLOWANCES SHALL BE INCLUDED FOR SAME AT EACH PROPOSER'S DISCRETION.
- INSTALL NO PIPING, CONDUIT, DUCTWORK, ETC. IN A LOCATION OR IN A MANNER WHICH WILL ALLOW FREEZING OR THE COLLECTION OF CONDENSATION THEREON, IF IN DOUBT, CONTACT THE ENGINEER.
- ADVISE THE ENGINEER OF ANY CONFLICTS, ERRORS, OMISSIONS, ETC. AT LEAST TEN DAYS PRIOR TO BID DATE. TO AVOID CLARIFICATION BY WRITTEN ADDENDUM.
- WHERE CONFLICTS ARE FOUND BETWEEN DRAWINGS, DETAILS, OR SPECIFICATIONS, THE MORE STRINGENT REQUIREMENT SHALL APPLY. NOTIFY ARCHITECT OF DISCREPANCY IN WRITING.
- DEVIATION FROM SPECIFICATIONS OR PLANS REQUIRES PRIOR WRITTEN APPROVAL FROM THE ENGINEERS AND MUST BE SUBMITTED IN WRITING NO LATER THAN TEN DAYS PRIOR TO THE BID DATE.
- OBSERVE ALL APPLICABLE CODES, RULES AND REGULATIONS THAT MAY APPLY TO THE WORK UNDER THIS CONTRACT. (CITY, COUNTY, LOCAL, STATE, FEDERAL, MUNICIPALITY, UTILITY COMPANY, OSHA, ETC.)
- MOUNTING HEIGHTS FOR WALL MOUNTED DEVICES INDICATED ABOVE FINISHED FLOOR ARE TO CENTER OF DEVICE UNO. COUNTING HEIGHTS TO CEILING SUSPENDED DEVICES ARE TO BOTTOM OF DEVICE UNO.
- INSTALL EQUIPMENT, MATERIALS, ETC. IN STRICT ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS AND DIRECTIONS. IF IN CONFLICT WITH THE DESIGN INDICATED IN CONTRACT DOCUMENTS, ADVISE THE ENGINEER PRIOR TO INSTALLATION FOR CLARIFICATION.
- DO NOT RECESS PANEL BOARD, TUBS OR OTHER FLUSH MOUNTED EQUIPMENT IN WALLS THAT HAVE A FIRE RATING. NO INSTALLATION SHALL DIMINISH OR VOID FIRE RESISTIVE RATINGS IN ANYWAY.
- THE PURPOSE AND INTENT OF ALL OF THE DOCUMENTS PERTAINING TO THIS PROJECT IS TO PROVIDE A COMPLETE, FUNCTIONAL, SAFE, LIKE-NEW FACILITY. ANYTHING LESS SHALL BE UNACCEPTABLE.
- ALL SYSTEMS, EQUIPMENT AND MATERIALS ARE TO BE INSTALLED IN A NEAT AND WORKMANLIKE MANNER. WORK NOT MEETING THIS CRITERION SHALL BE REMOVED AND REINSTALLED SATISFACTORILY. FINAL DETERMINATION OF THE ACCEPTABILITY OF THE QUALITY OF WORK RESIDES WITH THE ENGINEER.
- ALL WORK, MATERIALS, EQUIPMENT, ETC. SHALL BE FULLY GUARANTEED FOR ONE FULL CALENDAR YEAR FROM THE DATE OF SUBSTANTIAL COMPLETION AS DOCUMENTED BY THE ENGINEER, UNLESS OTHERWISE SPECIFIED OR EQUIPMENT IS SPECIFIED.
- P, UNLESS OTHERWISE SPECIFIED OR INDICATED, ALL EQUIPMENT AND/OR MATERIALS WITHIN OCCUPIED SPACES OR EXPOSED TO VIEW ON THE BUILDING EXTERIOR SHALL BE FINISHED AND FINISHED SO AS TO BE IN COMPLETELY ADJACENT EQUIPMENT. UNLESS OTHERWISE NOTED, COORDINATE WORK AND COLORS WITH ARCHITECT.
- WHERE PENETRATING ROOFING MEMBRANE OR OTHER MATERIALS USED FOR WEATHERPROOFING THE BUILDING, MAKE SUCH PENETRATION IN A WAY THAT WILL NOT VOID OR DIMINISH THE WEATHERPROOFING CAPABILITY OF THE BUILDING SYSTEM. CONTACT THE ENGINEER BEFORE AFFECTING INSTALLATION.
- COORDINATE WITH ARCHITECTURAL FLOOR PLANS, ELEVATIONS AND CASEWORK DETAILS FOR LOCATION OF ADDITIONAL RECEPTACLES, UTILITY OUTLETS, ELECTRICAL DEVICES, ETC.
- CEILING-MOUNTED ELECTRICAL DEVICES SHALL BE CENTERED IN 2'X2' CEILING OR CENTERED ON 2" DIMENSION OF 2'X4" TILE AND ON CENTERLINE OR A QUARTER POINT ON 4" DIMENSION.
- ANY VIBRATING, NOISE OR MOTION PRODUCING EQUIPMENT SHALL BE ISOLATED FROM SURROUNDING SYSTEMS IN AN APPROVED MANNER. NOISY OR STRUCTURALLY DAMAGING INSTALLATIONS SHALL BE SATISFACTORILY REPAIRED OR REPAIRED AT THE INSTALLING CONTRACTOR'S EXPENSE. THE FINAL DECISION ON THE SUITABILITY OF ANY PARTICULAR INSTALLATION SHALL BE THAT OF THE ENGINEER.
- CHECK ALL THREE PHASE MOTORS WITH A PHASE ROTATION METER, PRIOR TO PLACING IN SERVICE.
- PROVIDE DETAILED SHOP DRAWINGS TO ENGINEER PRIOR TO PURCHASING OR INSTALLING ANY EQUIPMENT.
- DEVIATIONS IN SIZE, CAPACITIES, FIT, FINISH, ETC. FOR EQUIPMENT THAT IS NOT THE RESPONSIBILITY OF THE PURCHASER OR THAT EQUIPMENT, ANY PROVISIONS REQUIRED TO ACCOMMODATE A DEVIATION, WHETHER APPROVED BY THE ENGINEER OR NOT, SHALL BE THE RESPONSIBILITY OF THE PURCHASER.
- THE CONSTRUCTION MANAGER, GENERAL CONTRACTOR, OR WHOMEVER HOLDS THE PRIME CONTRACT(S) FOR THIS CONSTRUCTION IS RESPONSIBLE FOR THE COORDINATION AND TIMING OF ALL TRADES CONTRACTORS, SUPPLIERS, INSTALLERS, ETC. POOR OR LATELY WORK ON THE PART OF ANY SUBCONTRACTOR SHALL BE RESOLVED BY THE PARTY WHO ENGAGED THEM ON THIS PROJECT.
- WHERE INTERRUPTED WORK OR ARE IN CONTACT WITH OTHER BUILDING SYSTEM, CONTACT THE ENGINEER BEFORE AFFECTING INSTALLATION. REFER ALSO TO ARCHITECTURAL INTERIOR AND EXTERIOR ELEVATIONS, CEILING HEIGHTS AND OTHER DETAILS OF THESE DOCUMENTS, AS APPLICABLE.
- WHERE FIRE-RATED CEILING ASSEMBLIES ARE NOTED, PROVIDE UL LISTED FIRE-RATED GYPSUM BOARD OR FIRE-MANUFACTURED ENCLOSURES ABOVE LUMINAIRES, CEILING DEVICES, ETC. IN ORDER TO MAINTAIN FIRE-RATED RATING.
- COORDINATE THE LOCATION OF DRAINS, ELECTRICAL OUTLETS, GAS OUTLETS, ETC. WITH ALL CASEWORK, KITCHEN EQUIPMENT, MECHANICAL ROOM EQUIPMENT, ETC. PRIOR TO COMMENCING INSTALLATION. WORK NOT SO COORDINATED SHALL BE REMOVED AND PROPERLY REINSTALLED AT THE EXPENSE OF THE RESPONSIBLE CONTRACTOR(S).
- ALL ELECTRICAL COMPONENTS OR EQUIPMENT SHALL BE LISTED AND LABELED BY UNDERWRITERS LABORATORIES OR OTHER APPROVED LISTING AGENCY. APPROVAL AND LABELING OF INDIVIDUAL COMPONENTS ON AN ASSEMBLY IS NOT ACCEPTABLE AS MEETING THIS REQUIREMENT, UNLESS WAIVED BY THE ENGINEER IN WRITING.
- ALL WIRING SYSTEMS SHALL BE INSTALLED WITH A MINIMUM OF SPLICES. CONDUCTORS, WHETHER SINGLE OR MULTIPAIR, SHALL BE INSTALLED CONTINUOUS INsofar AS POSSIBLE FROM TERMINAL POINT TO TERMINAL POINT.
- NO CONDUIT, SUPPORTS, ETC. SHALL BE RUN THROUGH ACCESS CLEARANCES OR EQUIPMENT BY OTHER TRADES (I.E. VAV BOXES). COORDINATE WITH ALL TRADES PRIOR TO CONSTRUCTION.
- ALL CONTRACTORS SHALL EXERCISE EXTREME CARE IN THE COURSE OF THEIR WORK SO AS TO ENSURE THAT THEY DO NOT INTERRUPT ANY EXISTING SERVICE OR SUB-SERVICE FOR SAFETY PURPOSES. PAY PARTICULAR ATTENTION TO THIS PRECAUTION RELATIVE TO NATURAL GAS AND ELECTRICAL LINES. VERIFY THE LOCATION, SIZE, TYPE, ETC. OF EACH UNDERGROUND OR OVERHEAD UTILITY. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH ALL FEDERAL, STATE AND/OR LOCAL RULES, REGULATIONS AND STANDARDS AND THE MOST STRINGENT REQUIREMENT SHALL APPLY.
- ALL SUPPORTS FOR EQUIPMENT, DEVICES OR FIXTURES SHALL BE UNIQUE, DIRECTLY FROM THE BUILDING STRUCTURE. DO NOT SUPPORT WORK FROM OTHER TRADES EQUIPMENT OR SUPPORTS WITHOUT WRITTEN PERMISSION FROM THE ENGINEER AND CONSENT OF THE OTHER TRADE. IN WRITING.
- WHERE INTERRUPTING AN EXISTING UTILITY OR SERVICE DELIBERATELY OR ACCIDENTALLY, THE RESPONSIBLE CONTRACTOR SHALL WORK CONTINUOUSLY AS NEEDED TO RESTORE SAME, PROVIDING PREMIUM TIME AS NEEDED.
- HG REFER TO ARCHITECTURAL WALL ELEVATIONS (WHERE GIVEN) FOR HEIGHTS AND MOUNTING RELATIONSHIP OF OUTLETS AND EQUIPMENT. IF IN DOUBT, CONTACT ENGINEER FOR DIRECTION PRIOR TO INSTALLATION.
- FLUSH OR PEDESTAL TYPE FLOOR OUTLETS/BOXES, AS INDICATED ON PLAN, SHALL BE LOCATED BY DIMENSIONS PROVIDED BY THE ARCHITECT, UNLESS OTHERWISE SHOWN ON PLANS. IF IN DOUBT, CONTACT THE ENGINEER PRIOR TO ROUGH-IN ANY WORK.
- THIS CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CUTTING AND PATCHING REQUIRED FOR HIS WORK. ALL CUTTING AND PATCHING SHALL BE IN ACCORDANCE WITH THE ARCHITECT'S STANDARDS FOR SUCH WORK.
- ALL WORK SHALL BE CONCEALED UNLESS SPECIFICALLY INDICATED TO BE EXPOSED, OR REQUIRED TO BE EXPOSED. IF IN DOUBT, CONTACT THE ENGINEER FOR CLARIFICATIONS PRIOR TO INSTALLING ANY SUCH WORK.
- WHERE BACKBOXES ARE USED, THE SAME VERTICAL CHANNEL/STUD SPACE ON OPPOSITE SIDES OF THE SAME WALL, PROVIDE SOUND-INSULATING PUTTY AROUND BOXES AS REQUIRED TO ELIMINATE SOUND TRANSMISSION FROM ROOM TO ROOM.
- JUNCTION BOXES LOCATED ABOVE ACCESSIBLE CEILINGS SHALL BE LOCATED NO MORE THAN 36" ABOVE CEILING LEVEL. LABEL EACH BOX IN AREA OF WORK WITH A PERMANENT MARKER OR IN ACCORDANCE WITH SPECIFICATIONS, WHICHEVER IS MORE STRINGENT.
- NH ALL MATERIALS FURNISHED AND ALL WORK INSTALLED SHALL COMPLY WITH THE CURRENT EDITION OF THE NATIONAL ELECTRICAL CODES, NATIONAL FIRE CODES OF THE NATIONAL FIRE PROTECTION ASSOCIATION, THE REQUIREMENTS OF LOCAL UTILITY COMPANIES, AND WITH THE REQUIREMENTS OF ALL GOVERNMENTAL AGENCIES OR DEPARTMENTS HAVING JURISDICTION. IF ANY CONFLICTS OR DISCREPANCIES OCCUR THE MOST STRINGENT SHALL APPLY.
- DO NOT SCALE DRAWINGS, AS PRINTING AND/OR ASSEMBLING WORK SHALL BE LAD OUT FROM DIMENSIONED DRAWINGS, OR DIMENSIONS SUPPLIED TO THE CONTRACTOR.
- NOISY WORK, WORK OUTSIDE CONSTRUCTION BARRIERS, WORK IN OCCUPIED AREAS, ETC. SHALL BE PERFORMED AFTER HOURS OR ON WEEKENDS. COORDINATE EXACT SCHEDULING WITH FACILITY PRIOR TO CONSTRUCTION.
- ALL ITEMS INVOLVED KEY LOCK OPERATORS SHALL HAVE CORED LOCKS/OPERATORS. ALL KEYING SHALL MATCH THE OWNER'S EXISTING KEY-WAYS. COORDINATE EXACT REQUIREMENTS WITH OWNER PRIOR TO CONSTRUCTION.
- REFER TO ARCHITECTURAL PLANS FOR PHASING REQUIREMENTS. WORK SHALL BE COMPLETED IN PHASES PER THE PHASING PLAN AND AS COORDINATED WITH OWNER AND GENERAL CONTRACTOR. PROVIDE ALL REQUIRED INCREMENTAL INSPECTIONS, CERTIFICATIONS, ETC. AND ALL TEMPORARY SERVICES AS REQUIRED BY OWNER TO ACCOMPLISH THE PHASING PLAN.
- UNLESS OTHERWISE SPECIFIED OR INDICATED, INSTALL LIGHT FIXTURES, SMOKE DETECTORS, SPEAKERS AND OTHER CEILING MOUNTED APPURTENANCES IN THE CEILING IN A SYMMETRICAL PATTERN, UNLESS SPECIFICALLY INDICATED OTHERWISE.
- WHERE EXISTING LIGHTS ARE CONNECTED TO EMERGENCY CIRCUITS WITH KEYSWITCH OR CONTRACTOR CONTROL, AN UNSWITCHED LINE SHALL BE PULLED IN TO MAINTAIN THEIR OPERATION REGARDLESS OF SWITCH POSITION.
- LOCATE CABLE- AND CHAIN-HUNG INDUSTRIAL FIXTURES IN MECHANICAL ROOMS TO AVOID DUCTWORK AND PIPING, TO MAXIMIZE AVAILABLE LIGHT AND SPACE AROUND EQUIPMENT, AIR HANDLERS, ETC. TO PROVIDE ADEQUATE LIGHTING TO ALL AREAS OF ROOM. PROVIDE ADDITIONAL FIXTURES OF SAME TYPE AS NEEDED TO FULFILL THIS REQUIREMENT. LIGHT FIXTURES SHALL NOT BE MOUNTED BELOW 7'-0" A.F.F.
- FLOOR BOX FINISH: ALUMINUM CONES AND COVERS SHALL BE HANDLED WITH COTTON GLOVES DURING INSTALLATION AND LAMPING TO AVOID FINGERPRINTS OR DIRT DEPOSITS. IT IS PREFERRED THAT FIXTURES BE SHIPPED AND INSTALLED WITH CLEAR PLASTIC BAGS TO PROTECT COVERS. AT CLOSE OF PROJECT AND AFTER CONSTRUCTION, REMOVE ALL BAGS AND CLEANING. ANY LAMPING OR CLEANING DIRT OR FINGERPRINTS SHALL BE CLEANED WITH SOLVENT RECOMMENDED BY THE MANUFACTURER, OR REPLACED AS NECESSARY IN ORDER TO TURN OVER TO THE OWNER NEW FIXTURES AT OCCUPANCY.
- REFER TO ARCHITECTURAL DETAILS AS APPLICABLE FOR RECESSED SOFFIT LED FIXTURES. ADJUST FIXTURE LENGTHS BY FIELD MEASUREMENT OF SOFFIT, AS NECESSARY.
- CONTRACTOR SHALL INSTALL INTERIOR DISCONNECT SWITCHES, MOTOR RATED SWITCHES, STARTERS, ETC. IN A NEMA 1 ENCLOSURE AND IN A NEMA 3R ENCLOSURE FOR EXTERIOR UNITS. UNO DEVICES ARE TO BE WITHIN SIGHT OF THE UNIT SERVING. IN A MAINTENANCE ACCESSIBLE LOCATION. COORDINATE ALL SIZES WITH FINAL EQUIPMENT SHOP DRAWING DATA PRIOR TO ROUGH-IN AND/OR START OF WORK.
- ALL FLOOR SLEEVES SHALL BE REAR-BORN TIGHT.
- THE CONTRACTOR SHALL PROVIDE AND LOCATE ALL SLEEVES AND INSERTS REQUIRED FOR HIS WORK BEFORE THE FLOORS AND SURFACE BEING PENETRATED ARE BUILT. CORING OF ANY ELEVATED DOCK SHALL NOT BE ACCEPTED. ALL METAL DECK PENETRATIONS SHALL BE COORDINATED AND SLEEVED. ANY COBTS INCURRED DUE TO LACK OF COORDINATION SHALL BE BORNE BY THIS CONTRACTOR. WHERE SLEEVES ARE PLACED IN EXTERIOR WALLS OR IN SLABS ON GRADES, THE SPACE BETWEEN THE PIPE OR CONDUIT AND THE SLEEVES SHALL BE MADE COMPLETELY AND PERMANENTLY WATER TIGHT.
- REFER TO SM AND EMO DESIGNS. REFER TO DETAILS FOR #2 OF DATA OUTLETS REQUIRED.
- AAA ALL HVAC LOW VOLTAGE CABLE TO BE YELLOW PLENUM RATED. THIS INCLUDES COMM CABLE AND THERMOSTAT WIRING. ALL ELECTRICAL LOW VOLTAGE (LIGHTING CONTROLS, RELAY CONTROLS) TO BE PLENUM RATED YELLOW CABLE. THIS INCLUDES COMMUNICATION CABLES FOR ELECTRICAL.

GENERAL RECEPTACLE NOTE:

ALL RECEPTACLES IN AND OPEN TO CLASSROOMS, CORRIDORS, GYM, CAFETERIA, AND COMMON SPACES ACCESSIBLE TO STUDENTS SHALL BE SAFETY TYPE, TAMPER-RESISTANT RECEPTACLES.

BACKBOX SCHEDULE:

INDICATING NO.	SIZE REQUIRED
1G	4-1 1/8" SQUARE x 2-1/8" TWO-GANG BACKBOX (STEEL CITY #211) WITH SINGLE-GANG 3/4" RAISED EXTENSION RING (STEEL CITY #73-C-14)
1GD	5" SQUARE x 2-7/8" TWO-GANG BACKBOX WITH SINGLE OR DOUBLE-GANG 3/4" RAISED EXTENSION RING, AS REQUIRED.
2G	4-1 1/8" SQUARE x 2-1/8" TWO-GANG BACKBOX (STEEL CITY #211) WITH TWO-GANG 3/4" RAISED EXTENSION RING (STEEL CITY #73-C-18)
2GA	6-13/16" x 4-1/2" x 2-1/2" TWO-GANG BACKBOX (STEEL CITY #12BD) WITH TWO-GANG 3/4" RAISED EXTENSION RING AS REQUIRED.
3G	8-5/8" x 4-1/2" x 2-1/2" THREE-GANG BOX (STEEL CITY #13BD) WITH THREE-GANG 3/4" RAISED EXTENSION RING AS REQUIRED.
4G	10-17/16" x 4-1/2" x 2-1/2" FOUR-GANG BACKBOX (STEEL CITY #14BD) WITH FOUR-GANG 3/4" RAISED EXTENSION RING AS REQUIRED.
V	BACKBOX EXTENSION RING AND COVER/PLATE PROVIDED BY VENDOR AND INSTALLED BY CONTRACTOR.

GENERAL NOTES (POKE-THRU/FLOOR BOXES):

- ALL ABOVE SLAB DEVICES SHALL BE SCRUB WATER RATED.
- ALL ON GRADE DEVICES SHALL BE CAST IRON OR RATED FOR ON GRADE USE.
- FLOOR BOX FLANGES FOR TYPE REQUIREMENTS SHALL BE COORDINATED WITH ARCHITECTURAL FLOOR FINISH PRIOR TO SUBMISSION. PROVIDE FLANGE SETTINGS, TILE/CARPET OR BARE CONCRETE COORDINATED FLOOR BOXES AS REQUIRED FOR FLOOR.
- CONTRACTOR SHALL PROVIDE ALL SYSTEMS AND POWER CONDUITS (REFER TO SUB-OUT DETAIL FOR DEVICE TYPE AND NUMBER OF CONDUITS U.O.N.) AT CEILING SPRING BELOW UP IN NEAREST WALL TO ABOVE ACCESSIBLE CEILING AS REQUIRED FOR SYSTEMS STUB OUTS, POWER CIRCUITING, ETC. REFER TO FLOOR PLANS AND DEVICES AND PROVIDE AS REQUIRED.
- WHERE SYSTEMS FURNITURE CONNECTIONS ARE REQUIRED, CONTRACTOR SHALL PROVIDE FLEXIBLE CONDUIT WHIPS WITH APPROPRIATE CONNECTION AT EACH END FOR FLOOR BOX AND SYSTEMS FURNITURE CONNECTIONS. APPLIES FOR POWER AND SYSTEMS CONNECTIONS.
- PROVIDE SEPARATE COMPARTMENTS FOR POWER AND SYSTEMS CONNECTIONS OR DIVIDERS LISTED FOR THAT USE BY THE MANUFACTURER.
- COORDINATE EXACT FLOOR BOX LOCATIONS WITH ARCHITECT PRIOR TO ROUGH-IN.

DESCRIPTION	MOUNTING HEIGHT	DRAWING SYMBOL
SWITCHES		
LIGHT SWITCH GENERAL PURPOSE	48" TO TOP OF BOX	\$
NIGHT LIGHT SWITCH WITH CONSTANTLY ILLUMINATED HANDLE		\$N
DIMMER SWITCH		\$D
THREE-WAY SWITCH		\$3
FOUR-WAY SWITCH		\$4
KEYED SWITCH		\$K
OCCUPANCY OR VACANCY SENSOR SWITCH		\$OS, \$VS
LIGHT SWITCH FOR UNDER-CABINET LIGHTS		\$L
ILLUMINATED HANDLE LIGHT SWITCH (ILLUMINATED WHEN LOAD IS OFF)		\$LH
LOW VOLTAGE MOMENTARY SWITCH		\$LV
PILOT LIGHT SWITCH (ILLUMINATED WHEN LOAD IS ON)		\$PL
NON-REVERSING MOTOR STARTER SNAP SWITCH	AS NOTED	\$M
2-POLE NON-REVERSING MOTOR STARTER SNAP SWITCH	AS NOTED	\$2M
MOMENTARY CONTACT SWITCH	48" TO TOP OF BOX	\$MC
HAND-OFF-AUTO POSITION SWITCH		\$HOA
REMOTE INVERTER REFER TO LIGHT FIXTURE SCHEDULE FOR DETAILS.	CLG	E
OCCUPANCY OR VACANCY SENSOR, CEILING MOUNT	CLG	(OS) (VS)
PHOTO-CELL AS NOTED	AS NOTED	(C)
DAYLIGHT SENSOR, CEILING MOUNTED	CLG	(D)
POWER OUTLETS		
SIMPLEX RECEPTACLE	1'-6"	(1)
DUPLEX RECEPTACLE-SAFETY TYPE, TAMPER-RESISTANT	1'-6"	(2)
SLASH THROUGH ANY DEVICE INDICATES MOUNTING ABOVE COUNTERTOP 2" ABOVE BACKSPLASH OR AT 48" WHERE NO COUNTER IS PRESENT, TAMPER-RESISTANT	4'-0"	(3)
FILLED CENTER BAR INDICATES INTEGRAL GROUND FAULT PROTECTION (GFCI), SAFETY TYPE, TAMPER-RESISTANT	1'-6"	(4)
DEAD FRONT GFCI DEVICE, LABEL AND INSTALL IN READILY ACCESSIBLE LOCATION	1'-6"	(5)
FILLED OUTER BARS INDICATES INTEGRAL GROUND FAULT PROTECTION (GFCI), SAFETY TYPE, TAMPER-RESISTANT	1'-6"	(6)
GANG RECEPTACLE IN COMBINATION WITH SWITCH PROVIDE DIVIDER IF DEVICE AT 48" ADJACENT TO WATER CLOSET	4'-0"	(CIS)
DUPLEX RECEPTACLE, CEILING MOUNTED	CLG	(7)
QUADRUPLX RECEPTACLE, SAFETY TYPE, TAMPER-RESISTANT	1'-6"	(8)
JUNCTION BOX, CEILING OR WALL		(9)
VOLTAGE/PHI RECEPTACLE, AS NOTED	AS NOTED	(10)
VOLTAGE/PHI RECEPTACLE, AS NOTED	1'-6"	(11)
"DO-HOUSE" TYPE TWIN DUPLEX RECEPTACLE WITH ONE DUPLEX RECEPTACLE ON BOTH SIDES	ON CNTR	(12)
SS INDICATES SURGE SUPPRESSION TYPE OUTLETS		(SS)
GROUND FAULT PROTECTED DUPLEX WITH WEATHER-PROOF WHILE IN USE, TYPE DIE-CAST METAL, COVERPLATE WITH LOCKABLE ENCLOSURE AT OUTLET - SEE SPECIFICATIONS	2'-2"	(WP)
DUPLEX FOR ELECTRIC WATER COOLER, PROVIDE REMOTE, READILY ACCESSIBLE IF DEVICE AT 48" ADJACENT TO WATER CLOSET. PROVIDE EXACT LOCATION WITH PLUMBING CONTRACTOR TO CONCEAL OUTLET BEHIND COOLER		(EWC)
FIRE ALARM		
MAIN CONTROL PANEL CENTRAL PROCESSING UNIT (CPU)	6'-6" TO TOP	(FACP)
PULL STATION, DUAL ACTION, PUSH/PULL WITH 5/8" LEVER	48" TO LEVER	(F)
AUDIOVISUAL NOTIFICATION APPLIANCE, 110 CANDELLA STROBE	WALL, CLG	(FVA)
AUDIO-ONLY NOTIFICATION APPLIANCE	WALL, CLG	(FVA)
VISUAL-ONLY NOTIFICATION APPLIANCE, 110 CANDELL STROBE	WALL, CLG	(FVA)
EXTERIOR ELECTRIC BELL	80"	(FV)
PHOTO-ELECTRIC SMOKE DETECTOR	CLG	(SD)
HEAT DETECTOR	CLG	(HD)
CARBON MONOXIDE DETECTOR WITH SOUND BASE	CLG	(CO) SB
DOOR HOLDER - WALL TYPE	WALL	(DH)
DOOR HOLDER, CLOSURE TYPE	ABV DOOR	(DH) C
DUCT SMOKE DETECTOR	ABV CLG	(DS)
CONNECTION TO SPRINKLER FLOW SWITCH WITH ADDRESSABLE MODULE		(FS)
CONNECTION TO SPRINKLER TAMPER SWITCH WITH ADDRESSABLE MODULE		(TS)
PRESSURE SWITCH		(PS)
REMOTE L.C.D. FIRE ALARM ANNUNCIATOR	54"	(FAA)
POST INDICATOR VALVE		(PIV)
POWER SUPPLY CONTROL FOR AUDIOVISUAL DEVICES	4'-0"	(NAC)
FIRE ALARM CONTROL EXTENDER		(EXT)
ISOLATION MODULE	WALL	(I)
ZONE ADDRESSABLE MODULE		(Z)
H.V.A.C. SMOKE DAMPER CONNECTION		(BM)
FLUSH MOUNTED REMOTE ALARM INDICATING STATION/TEST SWITCH	7'-6"	(RA)
FIREMAN'S KNIX BOX CONNECTION		(KB)
ADDRESSABLE RELAY MODULE		(R)
INDICATES VANDAL-PROOF POLYCARBONATE COVER. VANDAL-PROOF COVERS SHALL BE UL LISTED FOR USE WITH THE SPECIFIC DEVICE THEY ARE PROTECTING		(PC)
DEVICE USED FOR ELEVATOR CONTROL		(EL)

DESCRIPTION	MOUNTING HEIGHT	DRAWING SYMBOL
LIGHTING		
REFER TO LUMINAIRE SCHEDULE FOR EXACT FUTURE SPECIFICATIONS, MOUNTING HEIGHTS, ETC.		
SURFACE OR SUSPENDED CEILING FIXTURE (SLASH INDICATES RECESSED)		
POLE MOUNTED AREA LIGHT		
EMERGENCY BATTERY WALL PACK		
WALL MOUNT FIXTURE		
FLOODLIGHT		
EXIT LIGHT (CEILING, END, WALL MOUNT)		
STRIP FIXTURE		
MISCELLANEOUS		
CONDUIT CONCEALED IN WALLS OR IN CEILING SPACE (ARROWS INDICATES) HOME RUN # OF CIRCUITS. DASHED LINE INDICATES CONDUIT BELOW FLOOR.		
DISCONNECT SWITCH	5'-0"	
MAGNETIC STARTER	5'-0"	
MAGNETIC COMBINATION STARTER	5'-0"	
VARIABLE FREQUENCY DRIVE	5'-0"	
ENCLOSED FLUSH MTD. CIRCUIT BREAKER	5'-0"	
CIRCLE ON ANY DEVICE INDICATES DEVICE FED FROM STUB UP CONDUIT		
FLEXIBLE CONDUIT		
PANEL BOARD, SURFACE OR FLUSH MOUNTED, HATCHING INDICATES EMERGENCY	6'-6" TO TOP	
TRANSFORMER	AS NOTED	
EQUIP-1		
EQUIPMENT TAG, REFER TO EQUIPMENT SCHEDULE		
TAGGED NOTE		
REVISION TAG		
CABLE TRAY AS NOTED	AS SHOWN	
LOW VOLTAGE CABLE PATH	AS SHOWN	
DOORBELL PUSHBUTTON STATION, PROVIDE COMPLETE WITH TRANSFORMER MOUNT ABOVE CEILING IN CORRIDOR, NEAR PUSHBUTTON AND ALL ACCESSORIES. POWER FROM NEAREST AVAILABLE 120V NORMAL POWER GENERAL RECEPTACLE CIRCUIT, NITONE OR EQUAL	4'-0"	(DB)
DOORBELL AUDIOVISUAL STATION, PROVIDE CONNECTION TO PUSHBUTTON STATION IN AREA, COORDINATE EXACT AUDIO SOUND (BUZZER, ETC.) DESIRED WITH OWNER/ARCHITECT, NITONE OR EQUAL	7'-6"	(DB)
EQUIPMENT HARDWARE CONNECTION (SEE DETAIL)		
KITCHEN EQUIPMENT OUTLET COUPLING CONNECTION (SEE DETAIL)		
MOTOR CONNECTION, REFER TO EQUIPMENT CONNECTION SCHEDULE		
INDICATES MOUNTING ABOVE COUNTERTOP, 2" ABOVE BACKSPLASH, NO HIGHER THAN 48"		
WIREGIARD - PROVIDE MANUFACTURER'S SPECIFIC GUIDANCE FOR DEVICE NOTED		
WEATHERPROOF - NEMA-3R, WET LOCATION LISTED, PROVIDE COVERS, RATINGS, ETC. AS SUITABLE FOR OUTDOORS.		
PLUMBING FIXTURE SILENCING VALVE/ELECTRIC EYE SENSOR CONNECTION, COORDINATE EXACT CONNECTION REQUIREMENTS WITH MANUFACTURER		
PLUMBING FIXTURE ELECTRIC EYE TRANSFORMER CONNECTION, TRANSFORMER SHALL BE 120V/24V, MOUNT ABOVE SUSPENDED ACCESSIBLE CEILING IN BOX, PROVIDE ADDITIONAL TRANSFORMERS OF SAME TYPE AS/IF NEEDED		
VERIFY WITH ARCHITECT		
SURGE PROTECTION DEVICE		
TERMOSTAT PROVIDED BY MECHANICAL CONTRACTOR. ELECTRICAL CONTRACTOR SHALL PROVIDE BACKBOX CONDUIT STUB-UP. REFER TO MECHANICAL DRAWINGS FOR LOCATIONS		
CONDUIT UP		
CONDUIT DOWN		
GROUND BUS BAR ON INSULATED STANDOFFS	2'-0"	
DATA / VOICE		
DATA OUTLET - NUMBER BESIDE OUTLET INDICATES NUMBER OF DATA JACKS	1'-6"	
"C" INDICATES MOUNTING ABOVE COUNTERTOP, DATA OUTLET - NUMBER BESIDE OUTLET INDICATES NUMBER OF DATA JACKS	4'-0"	
VOICE OUTLET - NUMBER BESIDE OUTLET INDICATES NUMBER OF VOICE JACKS	1'-6"	
COMBINATION OUTLET - NUMBER BESIDE OUTLET INDICATES NUMBER OF DATA/VOICE JACKS	1'-6"	
MAN DISTRIBUTION FRAME - REFERENCE DATA SYSTEM SCHEMATICS AND DETAILS FOR ADDITIONAL REQUIREMENTS		
INTERMEDIATE DISTRIBUTION FRAME - REFERENCE DATA SYSTEM SCHEMATICS AND DETAILS FOR ADDITIONAL REQUIREMENTS		
TELECOMMUNICATIONS SYSTEM BACKBOARD, PROVIDE 96W x 36D FIRE-RETARDANT NY WOOD BACKBOARD WITH TWO (2) COATS OF NON-CONDUCTIVE, FIRE-RETARDANT LIGHT GRAY PAINT. INSTALL BOARD AT 2" AFF. LENGTH OF BOARD AS INDICATED ON FLOOR PLAN		
WIRELESS ACCESS POINT WITH PROVISIONS FOR TWO (2) CAT5A DATA OUTLET FOR ANTENNA, PROVIDE A COMPLETE DATA OUTLET WITH FACEPLATE ABOVE CEILING, MOUNTED AT AN ACCESSIBLE HEIGHT NO MORE THAN 24" ABOVE CEILING AT EACH OUTLET. PROVIDE A 1/2" DIA. OF CABLE AHEAD OF THE OUTLET FOR ADJUSTMENT OF FINAL OUTLET LOCATION. THE CONTRACTOR SHALL COORDINATE EXACT LOCATION WITH THE OWNER AND ADJUST OUTLET LOCATIONS AT SUBSTANTIAL COMPLETION TO ACCOMMODATE OWNERS WAP LOCATIONS. WAP'S ARE OWNER-FURNISHED, OWNER-INSTALLED		
WALL MOUNTED VOICE OUTLET	48" TO TOP OF BOX	

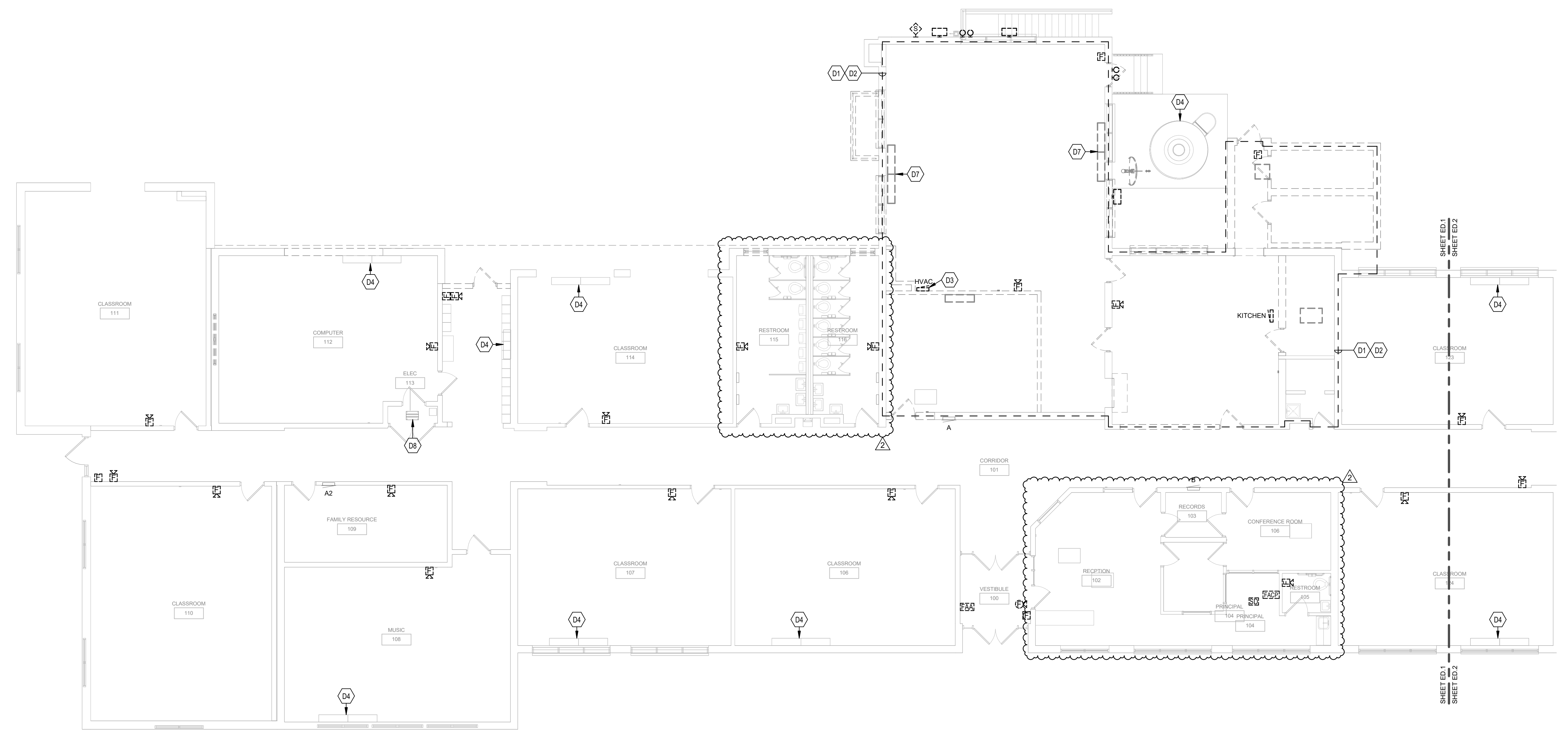
DESCRIPTION	MOUNTING HEIGHT	DRAWING SYMBOL
ABBREVIATIONS NOTED		
UNLESS OTHERWISE NOTED		
OWNER FURNISHED CONTRACTOR INSTALLED		UON
OWNER FURNISHED, OWNER INSTALLED		OFBI
CONTRACTOR FURNISHED CONTRACTOR INSTALLED		CFCI
CONTRACTOR FURNISHED OWNER INSTALLED		CFOI
FLOOR BOX AND POKE THROUGH OUTLETS		
FLOORBOX, POWER ONLY, AS SCHEDULED	FLOOR	(FB)
FLOOR BOX WITH (4) USB DUPLEX OUTLETS AND (4) DATA OUTLETS, (2) ABOVE BACKSPLASH OR AT 48" ABOVE ALUMINUM COVER, WIREMOLD REBBS SERIES	FLOOR	(FBA)
FLOOR BOX WITH (4) USB DUPLEX OUTLETS, (2) DATA OUTLETS AND (1) VOICE OUTLET, PROVIDE LOW-VOLTAGE BARRIER, BRUSHED ALUMINUM COVER, WIREMOLD REBBS SERIES	FLOOR	(FBB)
FLOOR BOX WITH (1) QUADRADUPLEX OUTLET, (1) DATA OUTLET AND (1) POINT OF SALE (POS) OUTLET, PROVIDE LOW-VOLTAGE BARRIER, BRUSHED ALUMINUM COVER, WIREMOLD REBBS SERIES	FLOOR	(FBC)
TELEVISION		
TELEVISION SPITTERS/AMPLIFIERS/DISTRIBUTION	4'-0"	(TV)HE
TELEVISION SYSTEM OUTLET WITH DUPLEX RECEPTACLE, COORDINATE LOCATION WITH WALL BRACKET WHERE APPLICABLE	7'-0"	(T)
OVERHEAD PAGING		
PAGING SPEAKER, CEILING, QUAM SYSTEM 12 OR EQUAL	CLG	(S)
PAGING SPEAKER W/ VOLUME CONTROL, QUAM SYSTEM 12/VC OR EQUAL	CLG	(S)
WALL MOUNTED PAGING HORN	9'-0"	(H)
PAGING SPEAKER, WALL QUAM 1V/VC OR EQUAL	8'-0"	(H)
EXTERIOR VANDAL PROOF / WEATHERPROOF WALL MOUNTED PAGING SPEAKER, SHALL BE PAINTED COLOR SPECIFIED BY ARCHITECT/OWNER, QUAM OR EQUAL		(H) Ext.
PAGING SPEAKER, VANDAL PROOF	44"	(H) VP
LCG WALL DISPLAY		(D)
PAGING MICROPHONE	1'-6"	(M)
PAGING SYSTEM AMPLIFIER/TUNER CABINET, OFOI	4'-0"	(PA)
SECURITY INTERCOM		
AUDIOVIDEO INTERCOM STATION, MASTER WITH SELECTIVE DOOR CONTROL, POWER SUPPLIES & DOOR RELAY CONTACTS AS REQUIRED FOR OPERATION OF ANY DOOR IN THE SYSTEM AND VIEWING OF ANY AUDIOVIDEO INTERCOM REMOTE ON THE SYSTEM. APPEARANCE MAY VARY STAND - COLOR BY ARCHITECT	1'-6"	(M)
AUDIOVIDEO INTERCOM STATION, REMOTE WITH FLUSH MOUNT, 5.8" ENCLASURE, APPROX 8"X4"X10"	4'-0"	(IR)
SECURITY CCTV VIDEO SURVEILLANCE		
CCTV CAMERA, CEILING MOUNT, DOME, OFOI	CLG	(C)
CCTV CAMERA, WALL MOUNT, DOME, OFOI	WALL	(C) W
INDICATES EXTERIOR CAMERA RATED FOR CONDITIONS, WET LOCATION LISTED, WITH AUXILIARY HEATER		(C) WP
SECURITY ACCESS CONTROL		
DOOR ALARM CONTACT (POSITION SWITCH)	DOOR FRAME	(DA)
DOOR RELEASE BUTTON	4'-0"	(DR)
DOOR POWER SUPPLY	MDP / DF	(DF)
ELECTRIC STRIKE	AT LATCH	(ES)
DOOR RELEASE CARD READER STATION, PROVIDE ANY ADDITIONAL ROUGH-IN FOR "EMERGENCY RELEASE" OPERATOR STATIONS AS REQUIRED	4'-0"	(CR)
SAME AS "CR" EXCEPT MULLION MOUNT	4'-0"	(CR) M
MOTION SENSOR DOOR CONTROL	CEILING	(MS)
SAME AS "MS" EXCEPT MULLION MOUNT	CEILING	(MS) M
ALPHANE IP VIDEO MASTER STATION, PROVIDE 10 WITH DATA AND PATCH CABLE TO PHONE	DESK	(M)
ALPHANE IP VIDEO DOOR STATION	4'-0"	(A)
ACCESS CONTROL POWER SUPPLIES / CONTROL PANEL	4'-0"	(SECA)
CLASSROOM AV EQUIPMENT		
CEILING MOUNTED PROJECTOR		(C)
AV SYSTEM CABLEING TERMINATIONS / WALLPLATE		(AV)
TEACHER STATION (INPUT) MOUNT 2" ABOVE TEACHERS DESK BACKSPLASH, REFER TO DETAIL FOR REQUIREMENTS, PROVIDE RACEWAYS, CABLEING AND ONE (1) DATA PER DETAIL		(SM)

GENERAL NOTES (DEMOLITION):

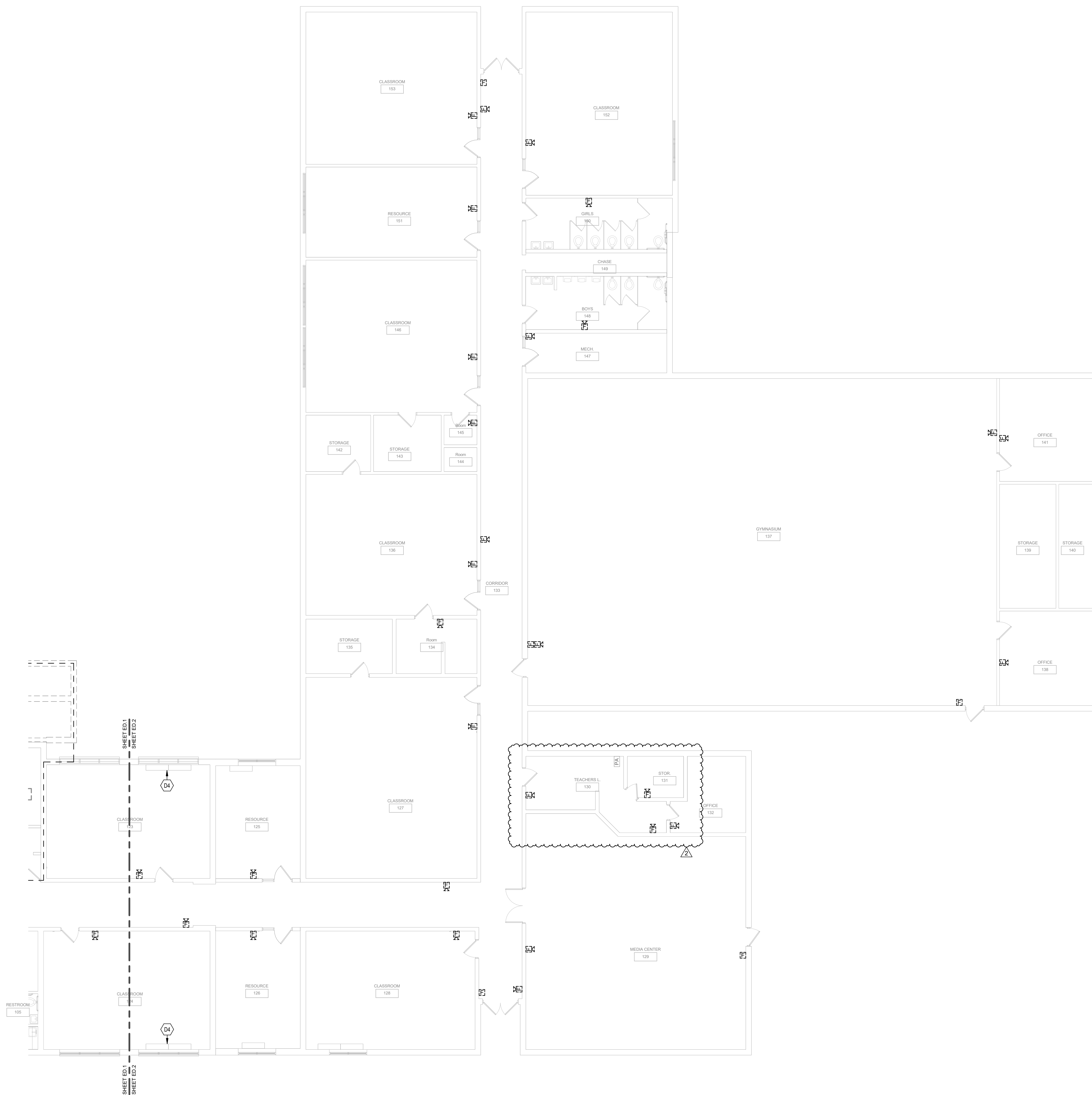
- A. DOTTED LINES INDICATE ITEMS FOR REMOVAL (UON) AND GRAY SOLID LINES INDICATE EXISTING ITEMS TO REMAIN.
- B. DEVICES INDICATED WITH AN "R" SHALL BE RELOCATED. REMOVE, PROTECT, AND REINSTALL IN NEW LOCATION INDICATED ON NEW WORK PLANS. INTERCEPT AND EXTEND ALL EXISTING CABLING TO NEW LOCATION. CLEAN AND RE-LAMP RELOCATED LUMINAIRES.
- C. THE CONTRACTOR SHALL MAINTAIN THE CONTINUITY OF EXISTING CIRCUITS THAT CONTAIN DEVICES OR EQUIPMENT THAT ARE TO REMAIN. WHEN DEMOLITION OF AN ELECTRICAL DEVICE (OR CIRCUIT) IS INDICATED ON THE DRAWINGS, THE CONTRACTOR SHALL ENSURE THAT OTHER DEVICES OR EQUIPMENT "UPSTREAM" OR "DOWNSTREAM" ON THE CIRCUITS SHALL REMAIN IN "PRE-DEMOLITION" WORKING ORDER. "LEFT-OVER" CIRCUIT BREAKERS SHALL REMAIN, BE SWITCHED TO OFF POSITION, AND BE LABELED AS SPARES IN THEIR PANELS. PROVIDE NEW TYPEWRITTEN DIRECTORIES FOR ALL PANELS AFFECTED.
- D. LOCATIONS OF DEVICES, CONNECTIONS, ETC., INDICATED ON THIS DRAWING WERE TAKEN FROM VARIOUS SOURCES. THEY ARE DIAGRAMMATIC ONLY AND ARE SUBJECT TO VARIATION FROM EXISTING CONDITIONS. CERTAIN EXISTING ELEMENTS MAY NOT BE INDICATED AT ALL. THE CONTRACTOR PROPOSING TO DO ANY PART OF THE WORK INDICATED HEREON SHALL VISIT THIS SITE AND DETERMINE TO HIS SATISFACTION THAT THEY MAY COMPLETE ALL WORK REQUIRED FOR THE BID WHICH HE PROPOSES.
- E. REMOVE ALL ASSOCIATED BACKBOXES, CONDUIT AND CONDUCTORS FOR DEVICES / FIXTURES / ETC. BEING REMOVED (BACK TO SOURCE), WHETHER INDICATED OR NOT (UON). CONTRACTOR SHALL PATCH AND REPAIR ANY EXISTING WALLS, FLOORS OR CEILINGS WHERE DEVICES ARE SHOWN TO BE REMOVED (PATCH AND REPAIR TO RECEIVE NEW FINISHES - SEE ARCHITECTURAL PLANS).
- F. COORDINATE DISPOSAL OF ALL FIXTURES, DEVICES, ETC. (INDICATED FOR DEMOLITION) WITH OWNER. TURN OVER ITEMS REMOVED TO OWNER AT THEIR OPTION.
- G. COORDINATE WITH OTHER TRADES FOR THE REMOVAL AND/OR RELOCATION OF ELECTRICAL DEVICES AND CONNECTIONS ASSOCIATED WITH THEIR EQUIPMENT.
- H. PROVIDE TEMPORARY EMERGENCY EXIT LIGHTS AT CONSTRUCTION BARRIERS AS REQUIRED.
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- K. EXISTING ELECTRICAL SYSTEMS IN CONFLICT WITH CONSTRUCTION SHALL BE RELOCATED TO PERMIT INSTALLATION OF DEVICES AND EQUIPMENT SHOWN ON PLANS.
- L. CONTRACTOR SHALL SEAL ALL EXISTING AND NEW PENETRATIONS OF BUILDING ENVELOPE (EXTERIOR WALLS, ROOF, ETC.) WATER-TIGHT AND AS APPROVED BY ARCHITECT AND ENGINEER. ROOFING SHALL BE RESTORED BY A LICENSED ROOFING CONTRACTOR BASED ON WRITTEN INSTRUCTIONS AND DETAILS FROM ROOFING MANUFACTURER AS REQUIRED TO MAINTAIN ROOF WARRANTY. REFER TO ARCHITECTURAL AND ENGINEERING PLANS AND SPECIFICATIONS FOR FURTHER REQUIREMENTS.
- M. ALL EXISTING PANELS AFFECTED BY THIS CONTRACTOR'S WORK SHALL BE PROVIDED WITH NEW TYPEWRITTEN PANEL DIRECTORIES AND INSERT SLEEVES. PANEL DIRECTORIES SHALL NOT USE ROOM NAMES OR NUMBERS FROM THESE DRAWINGS. DIRECTORIES SHALL BE DETAILED AND COORDINATED WITH OWNER'S SUITE NUMBERS, FINAL ROOM NUMBERS, IT RACK NAMES, WORKSTATION DESIGNATIONS, ETC. UNUSED BREAKERS SHALL BE IN OFF POSITION.

KEYNOTES

- D1 ALL MECHANICAL UNIT(S) IN THIS AREA SHALL BE DEMOLISHED COMPLETE. REMOVE ALL WIRING, CONDUIT, DISCONNECTS, ETC. ASSOCIATED WITH UNIT(S) COMPLETELY BACK TO SOURCE. COORDINATE DEMOLITION OF POWER TO ALL HVAC CONTROL DEVICES BEING REMOVED WITH MECHANICAL CONTRACTOR, UNLESS OTHERWISE NOTED. COORDINATE WITH MECHANICAL DRAWINGS.
- D2 ALL EXISTING RECEPTACLES, LIGHTING FIXTURES, DATA DEVICES, FIRE ALARM DEVICES, FIRE ALARM SYSTEMS, ETC. IN THIS AREA TO BE DEMOLISHED COMPLETE. ALL ASSOCIATED CONDUIT AND WIRING TO BE COMPLETELY REMOVED BACK TO SOURCE, UNLESS OTHERWISE NOTED.
- D3 PANELBOARD "HVAC" TO BE DEMOLISHED COMPLETE. EXISTING CABLE AND CONDUIT FEEDING FROM EXISTING SWITCHBOARD TO PANELBOARD TO BE DEMOLISHED COMPLETE. ALL EXISTING LOADS TO REMAIN TO BE ROUTED TO NEW PANELBOARD LOCATION. SEE NEW WORK PLAN FOR NEW LOCATION.
- D4 EXISTING MECHANICAL EQUIPMENT TO REMAIN. REFER TO MECHANICAL DRAWINGS FOR MORE INFORMATION.
- D7 EXISTING MECHANICAL EQUIPMENT TO BE REUSED IN NEW LOCATION. REMOVE ALL WIRING, CONDUIT, DISCONNECTS, ETC. ASSOCIATED WITH UNIT(S) COMPLETELY BACK TO SOURCE. COORDINATE DEMOLITION OF POWER TO ALL HVAC CONTROL DEVICES BEING REMOVED WITH MECHANICAL CONTRACTOR, UNLESS OTHERWISE NOTED. COORDINATE WITH MECHANICAL DRAWINGS.
- D8 EXISTING IDF RACK TO REMAIN.



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



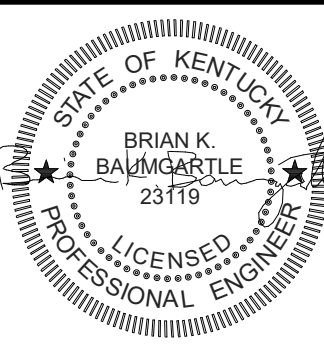
1 FIRST FLOOR PLAN - ELECTRICAL DEMOLITION
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GENERAL NOTES (DEMOLITION):

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KEYNOTES

- D4 EXISTING MECHANICAL EQUIPMENT TO REMAIN. REFER TO MECHANICAL DRAWINGS FOR MORE INFORMATION.



**FIRST FLOOR PLAN - ELECTRICAL
DEMOLITION**

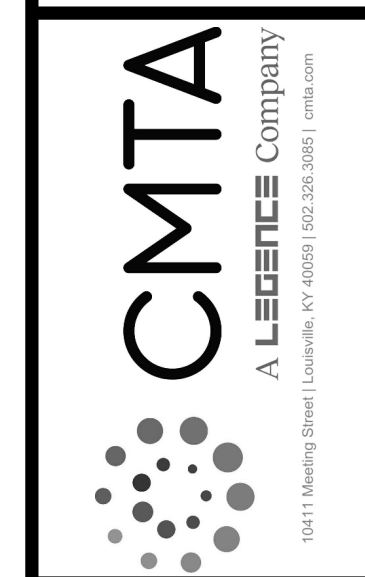
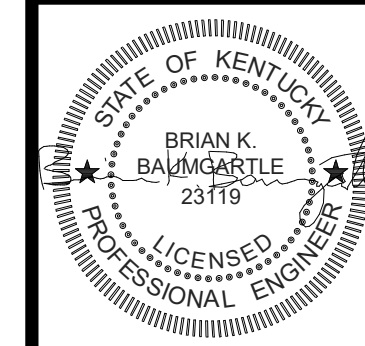
JOB NO.	1506.2
DATE	08/03/2023
DRAWN	GDC
CHECKED	BKB

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ARCHITECTS, PLLC

REVISIONS		
No.	Description	Date
1	ADDENDUM #2	08/23/2023
2	ADDENDUM #3	09/11/2023

SHEET

ED.2



JOB NO.	1506.2
DATE	08/03/2023
DRAWN	GDC
CHECKED	BKB

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SHEET

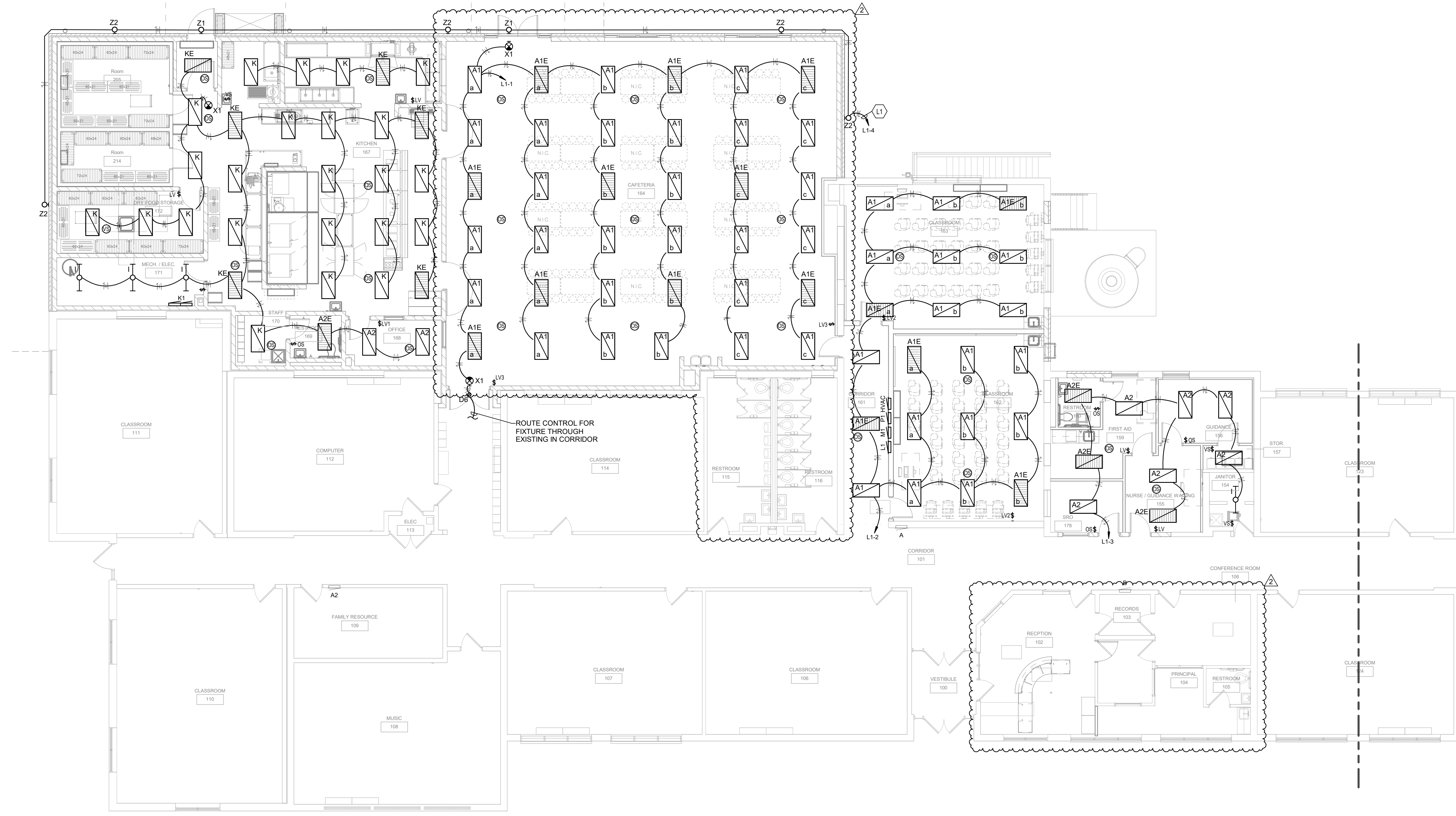
E1.1

GENERAL NOTES (LIGHTING):

- A. REFER TO THE ARCHITECT'S REFLECTED CEILING PLANS, ELEVATIONS, AND CASEWORK DETAILS FOR EXACT LOCATIONS OF ALL WALL AND CEILING MOUNTED ELECTRICAL DEVICES.
- B. CONTRACTOR SHALL FOLLOW BRANCH CIRCUITING LAY-OUT, AS INDICATED ON THE FLOOR PLANS, WITH A MAXIMUM OF THREE (3) BRANCH CIRCUITS PER HOMERUN. EACH BRANCH CIRCUIT SHALL BE PROVIDED WITH A DEDICATED NEUTRAL CONDUCTOR. DEDICATED NEUTRAL CONDUCTORS SHALL BE CONSIDERED CURRENT CARRYING. IF ADDITIONAL CONDUCTORS ARE RAN IN THE SAME CONDUIT WITH THOSE INDICATED, CONTRACTOR SHALL DERATE ALL CURRENT CARRYING CONDUCTORS PER N.E.C. #310.15(B)(3), AND UPSIZE CONDUIT AS REQUIRED PER N.E.C. #300.17 AND ANNEX C. MULTIWIRE BRANCH CIRCUITS AS DEFINED IN N.E.C. #100.210.4 (CIRCUITS SHARING A COMMON NEUTRAL CONDUCTOR) SHALL NOT BE PERMITTED.
- C. IDENTIFY THE PANEL AND CIRCUIT NUMBER FOR ALL RECEPTACLES, SWITCHES, ETC. IN AREA OF CONSTRUCTION. PROVIDE CLEAR ADHESIVE LABELS WITH BLACK LETTERING IN HEALTHCARE FACILITIES, ENGRAVE EMERGENCY DEVICE COVERPLATES IN PATIENT CARE AREAS. ALSO, MARK INSIDES OF ALL DEVICE BOXES WITH PANEL AND CIRCUIT NUMBER.
- D. LOCATE CHAIN-HUNG INDUSTRIAL FIXTURES IN MECHANICAL ROOMS TO AVOID DUCTWORK AND PIPING, TO MAXIMIZE AVAILABLE LIGHT. SPACE AROUND EQUIPMENT, AIR HANDLERS, ETC. TO PROVIDE ADEQUATE LIGHTING TO ALL AREAS OF ROOM. PROVIDE ADDITIONAL FIXTURES OF SAME TYPE AS NEEDED TO FULFILL THIS REQUIREMENT.
- E. LOCATE EXIT SIGNS FOR MAXIMUM VIEWING AREA TO IDENTIFY EGRESS PATHS AS INDICATED ON PLANS. COORDINATE LOCATIONS SUCH THAT ARCHITECTURAL FEATURES OR EQUIPMENT FROM OTHER TRADES DO NOT OBSTRUCT VIEW.
- F. LUMINAIRES INDICATED WITH MULTILEVEL SWITCHING SHALL HAVE SIMILAR LAMPS CONTROLLED TOGETHER, I.E. INBOARD AND OUTBOARD LAMPS OR RIGHT AND LEFT HAND LAMPS.
- G. ALL LIGHTING FIXTURE LENSES, PARABOLIC LOUVERS, DOWNLIGHTING ALZAK CONES AND "PARACUBE" LOUVERS SHALL BE HANDLED WITH COTTON GLOVES DURING INSTALLATION AND LAMPING TO AVOID FINGERPRINTS OR DIRT DEPOSITS. IT IS PREFERRED THAT FIXTURES BE SHIPPED AND INSTALLED WITH CLEAR PLASTIC BAGS TO PROTECT LOUVERS. AT CLOSE OF PROJECT, AND AFTER CONSTRUCTION AIR FILTERS ARE CHANGED, REMOVE BAGS. ANY LOUVER OR CONE SHOWING DIRT OR FINGER PRINTS SHALL BE CLEANED WITH SOLVENT RECOMMENDED BY THE MANUFACTURER, OR REPLACED AS NECESSARY IN ORDER TO TURN OVER TO THE OWNER NEW FIXTURES AT OCCUPANCY.
- H. RECESSED LUMINAIRES SHALL BE SECURED SUCH THAT THE FORCE REQUIRED INSERTING LAMPS, TRIMS, LENSES, LOUVERS, OR DOOR FRAMES DOES NOT SHIFT HOUSING. ALL TRIMS SHALL BE COMPLETELY FLUSH WITH FINISHED CEILINGS AT COMPLETION OF CONSTRUCTION.
- I. CONTRACTOR SHALL PROVIDE UNSWITCHED CONDUCTOR TO ALL EXIT SIGNS, EMERGENCY INVERTER BATTERY PACKS, AND NIGHT LIGHTS AS REQUIRED.

KEYNOTES

- L1 ROUTE CIRCUIT THROUGH EXTERIOR LIGHTING CONTRACTOR. REFER TO DETAIL 3, SHEET ES.1.



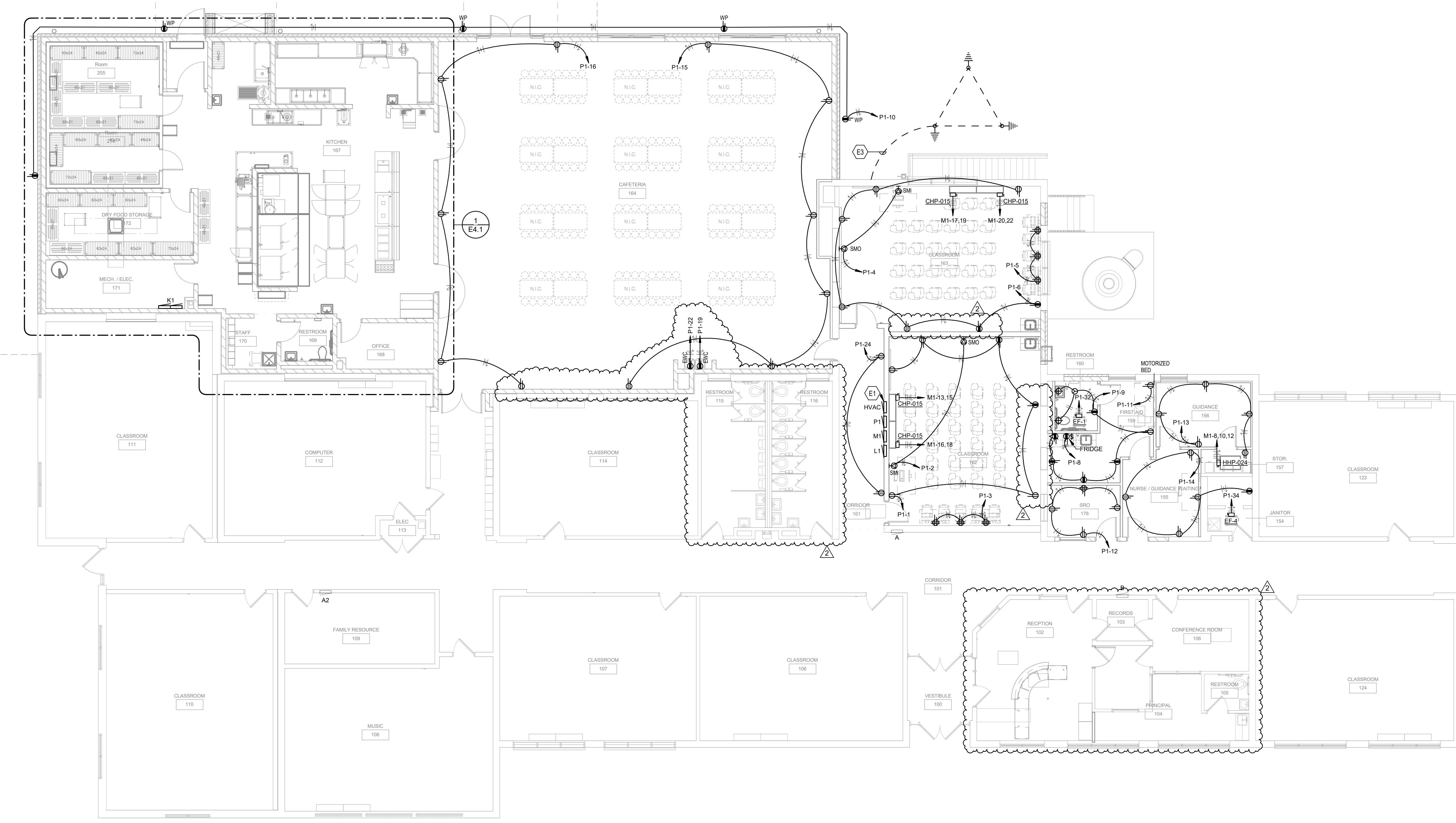
1 FIRST FLOOR - LIGHTING
SCALE: 1/8" = 1'-0"

GENERAL NOTES (POWER):

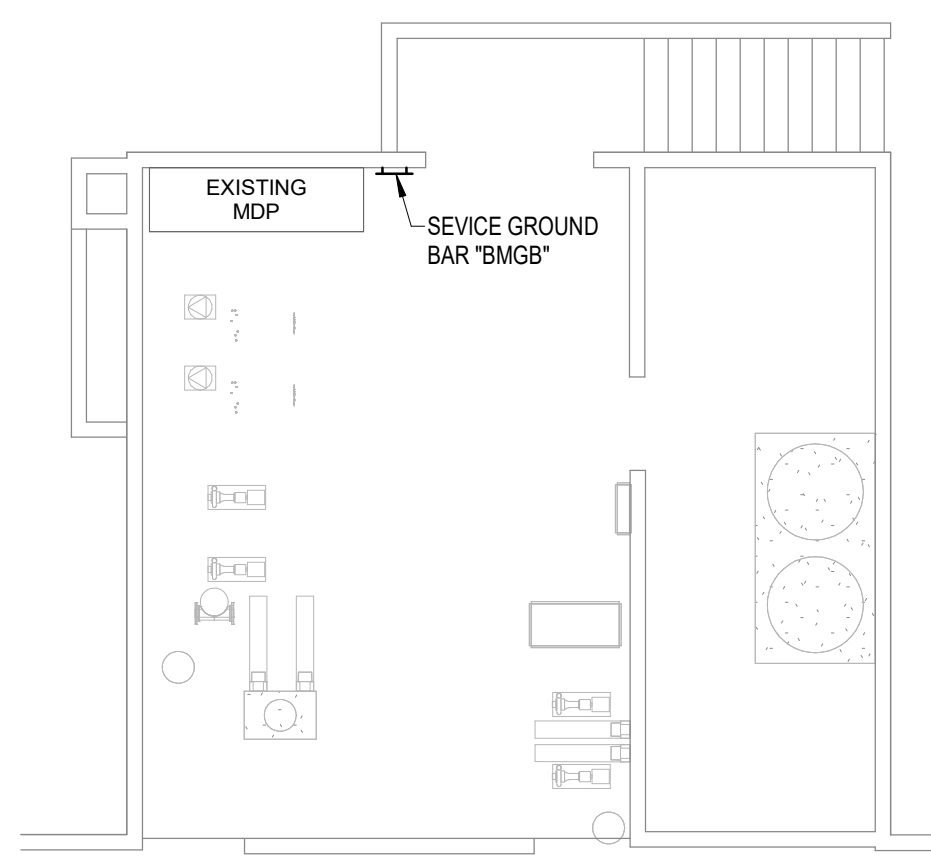
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- D. RECEPTACLES THAT ARE CONTROLLED BY AN AUTOMATIC MEANS SUCH AS OCCUPANCY SENSOR OR ENERGY MANAGEMENT SYSTEM SHALL BE MARKED IN ACCORDANCE WITH NEC 406.3(E).
- E. LOCATIONS OF ELECTRICAL CONNECTIONS AND LOCAL DISCONNECTS SHALL BE COORDINATED WITH MECHANICAL AND PLUMBING CONTRACTORS TO ENSURE ACCESS AND WORKING CLEARANCE IS MAINTAINED PER NEC. NOTIFY OTHER TRADES OF REQUIRED CLEARANCE AREAS TO AVOID ROUTING OF OTHER SYSTEMS IN THESE AREAS. DO NOT INSTALL ELECTRICAL EQUIPMENT OVER EQUIPMENT NAMEPLATES OR ACCESS PANELS OR THROUGH ACCESS/MAINTENANCE CLEARANCES OF EQUIPMENT BY OTHER TRADES.

KEYNOTES

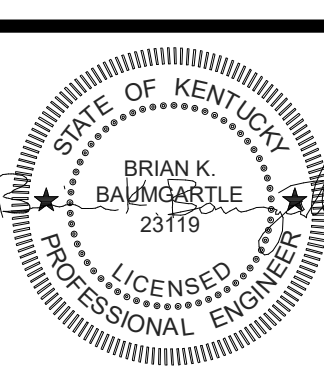
- E1 NEW PANELBOARD "HVAC" ALL EXISTING BRANCH CIRCUITS TO BE REFEED BACK INTO PANELBOARD. PROVIDE NEW BREAKERS IN PANELBOARD TO MATCH DEMOLISHED.
- E3 PROVIDE ONE (1) #500 Kcmil GROUND FROM NEW GROUND BAR AT EXISTING MDP TO THREE (3) 5/8" x 10'-0" COPPERWELD CHEMICAL GROUND RODS AS REQUIRED (REFER TO SHEET E3.4). CONTRACTOR SHALL TEST GROUND IMPEDANCE LEVEL AND IF NOT 1 Ohm, CONTRACTOR SHALL ADD GROUND RODS AS NECESSARY TO MEET THE REQUIREMENT. FIELD VERIFY BEST LOCATION FOR GROUND RODS ON SITE PRIOR TO CONSTRUCTION. PLACE BARE COPPER BELOW SERVICE SECONDARIES WHERE RUN IN SAME TRENCH. IN ADDITION, CONNECT TO WATER LINE AT FIRE PROTECTION FIT AS REQUIRED.



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



2 BASEMENT - POWER
SCALE: 1/8" = 1'-0"



ROOF PLAN - ELECTRICAL

JOB NO.	1506.2
DATE	08/03/2023
DRAWN	GDC
CHECKED	BKB

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ARCHITECTS, PLLC

No.	Description	Date
1	ADDENDUM #2	08/23/2023
2	ADDENDUM #3	09/11/2023

SHEET

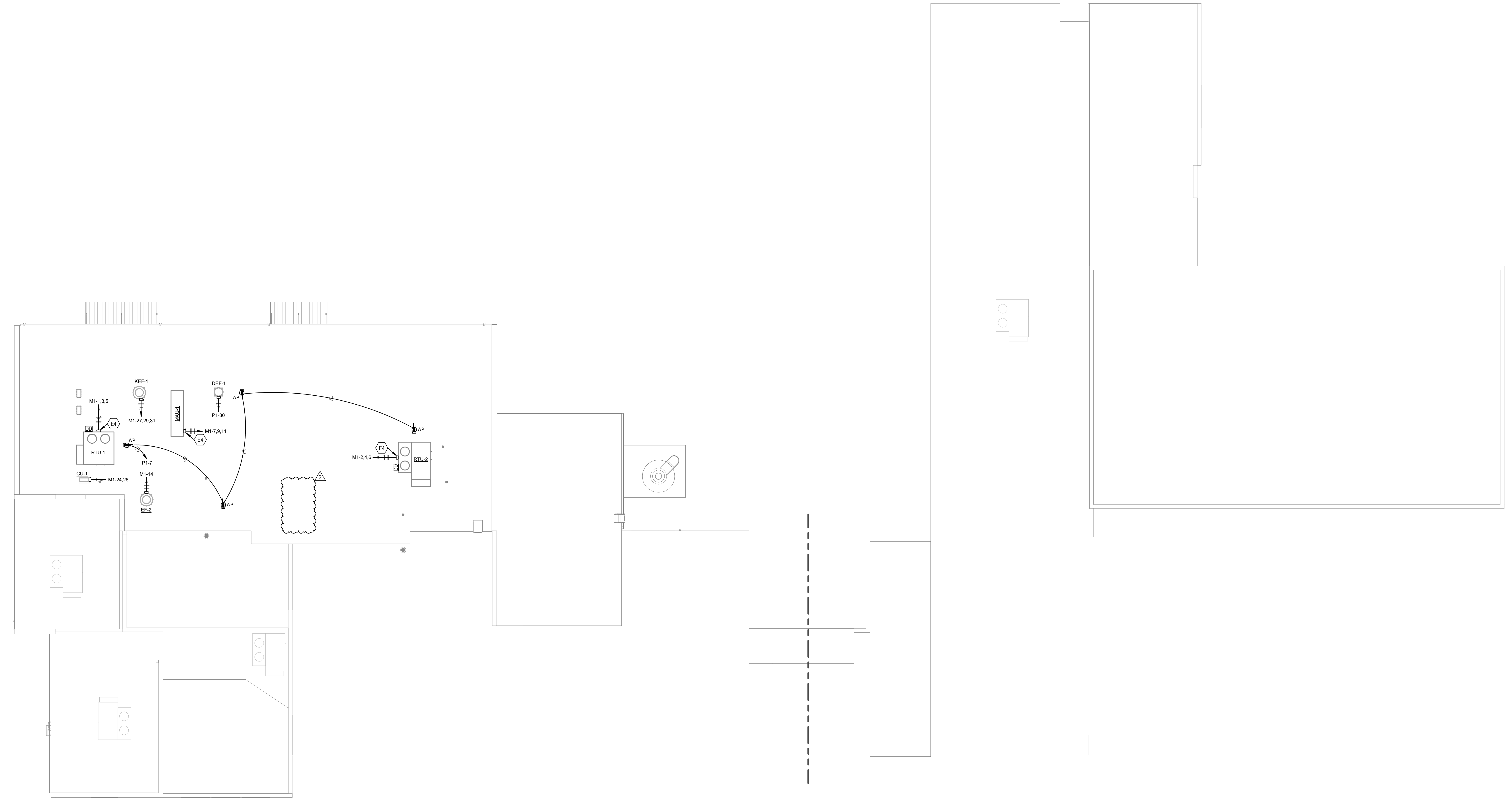
E2.2

GENERAL NOTES (POWER):

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KEYNOTES

- E4 ROUTE FEEDER TO PANEL THROUGH INSIDE OF ROOF CURB. DO NOT ROUTE THROUGH ROOF.



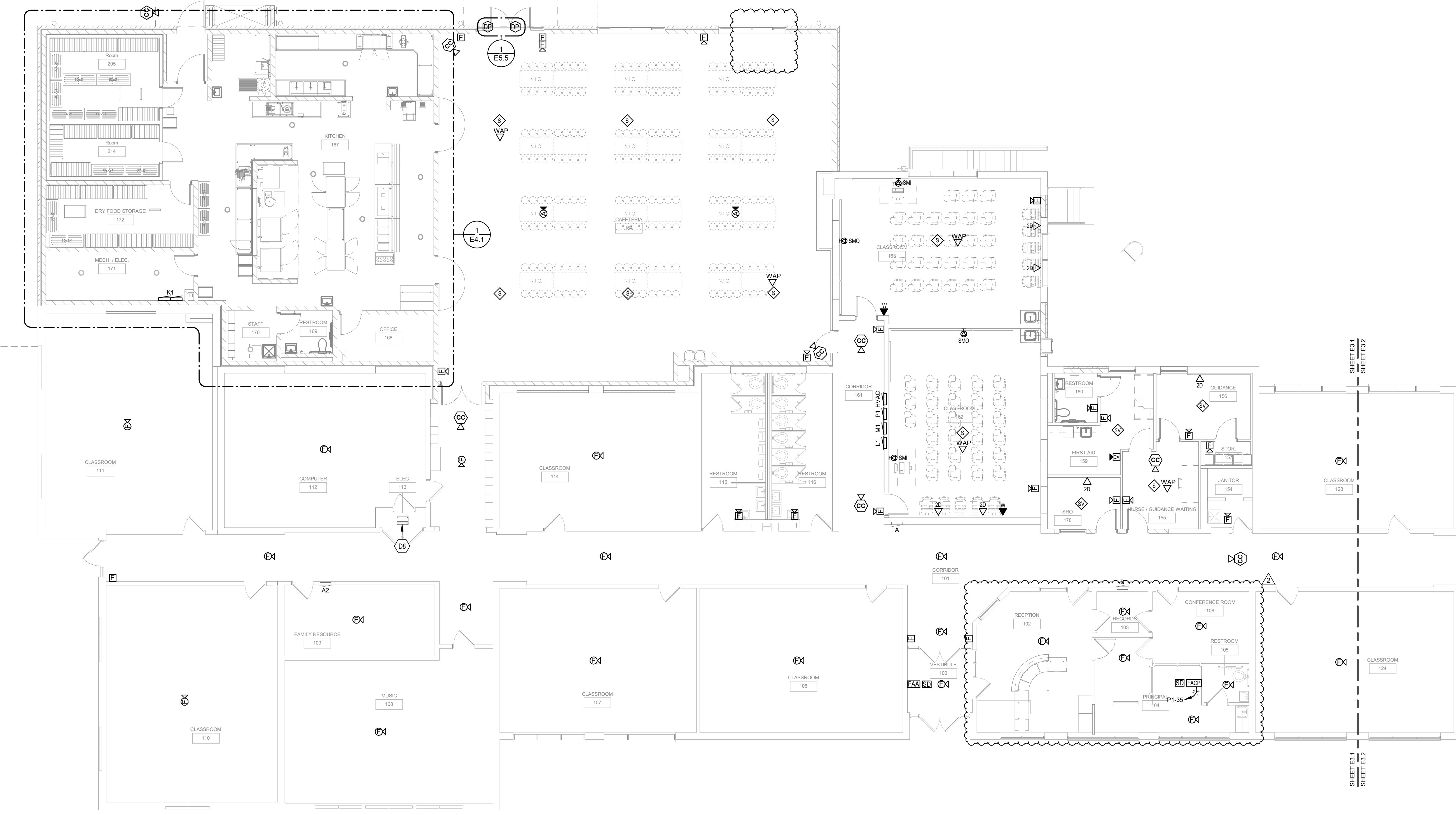
1 ROOF PLAN - ELECTRICAL
SCALE: 3/32" = 1'-0"

GENERAL NOTES (SYSTEMS):

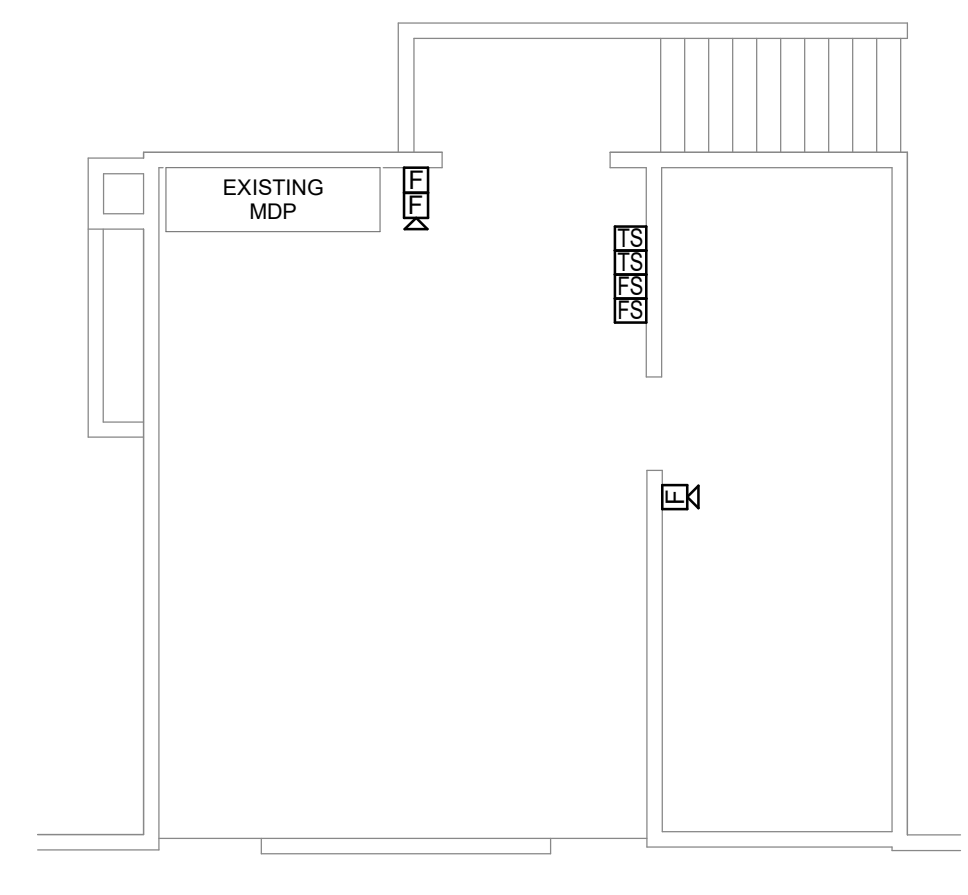
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- REFER TO "SYSTEM INSTALLATION MATRIX" (ON SYSTEMS LEGEND SHEET) AND SPECIFICATIONS FOR CONTRACTOR REQUIREMENTS OF EACH SYSTEM.
- THE CONTRACTOR SHALL ROUTE ALL "SYSTEM CONDUIT STUB-UPS" TO THE NEAREST CORRIDOR CABLING PATH (SEE "STUB-UP" DETAILS). REFER TO CABLING PATH INSTALLATION DETAIL FOR ADDITIONAL REQUIREMENTS.
- CONTRACTOR SHALL PAINT ALL SYSTEMS CONDUIT STUB-UPS LIGHT BLUE FOR SYSTEMS CABLING INTO THE CORRIDOR CABLING PATH. PROVIDE PULL STRINGS IN ALL NEW CONDUIT RUNS FOR SYSTEM CABLING INSTALLATION.

KEYNOTES

- D8 EXISTING IDF RACK TO REMAIN.



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



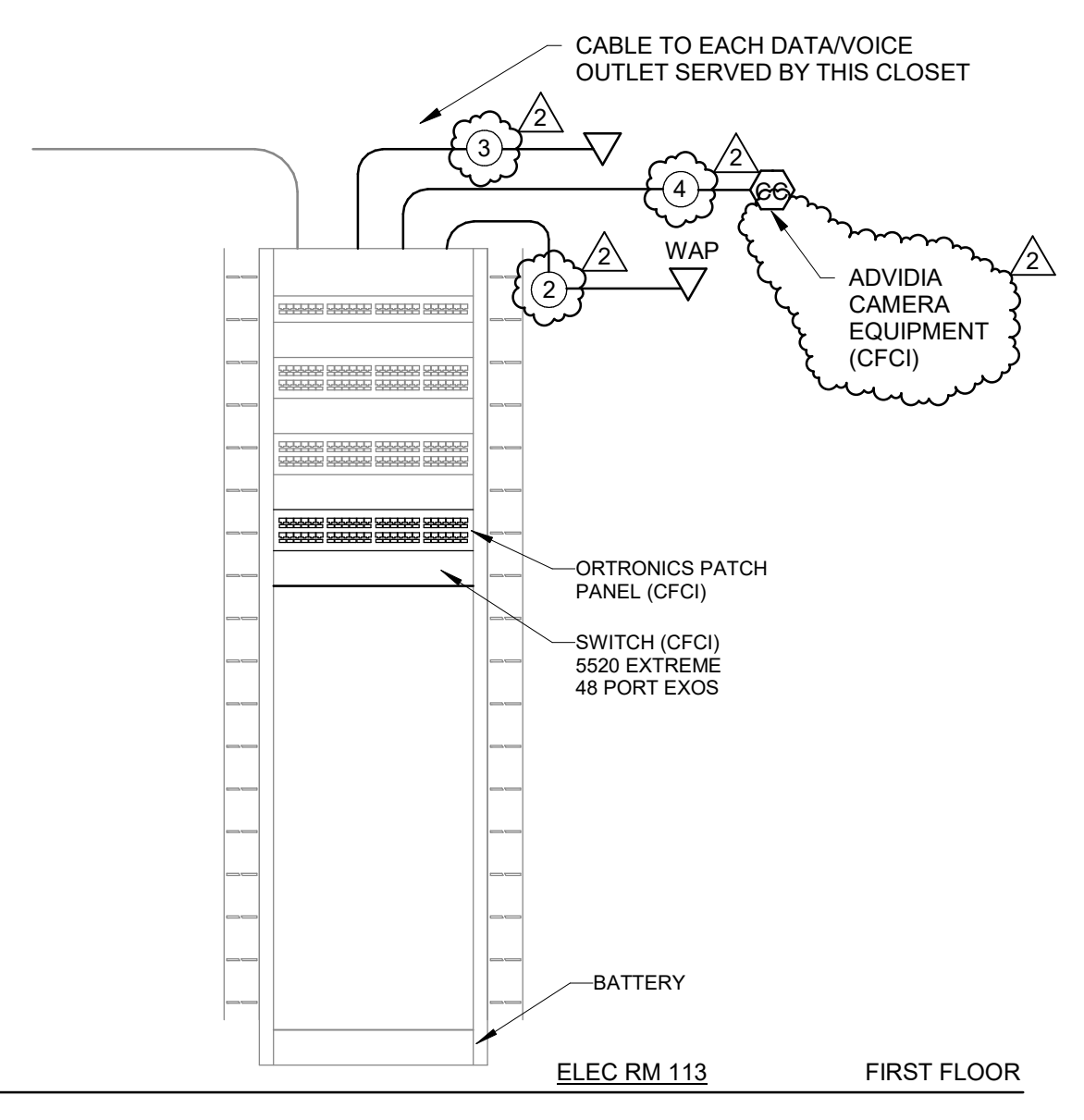
3 BASEMENT - SYSTEMS
SCALE: 1/8" = 1'-0"

GENERAL NOTES (COMM RISER):

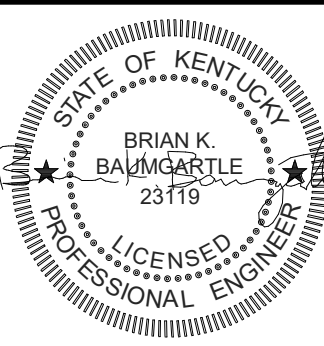
- ALL PENETRATIONS THROUGH FLOORS OR WALLS SHALL BE FIRE STOPPED BY APPROVED METHOD. INSTALL FIRE STOP IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
- ALL EMPTY CONDUITS SHALL BE PROVIDED WITH PULL STRING.
- TOTAL DISTANCE FROM HORIZONTAL PATCH PANEL OR CROSS CONNECT TO WORKSTATION OUTLET SHALL NOT EXCEED 275'.
- PROVIDE #2 AWG GROUND TO ALL RACKS AND WALL MOUNTED EQUIPMENT. REFER TO GROUNDING DIAGRAM AND PLANS FOR GROUNDING BUS REQUIREMENTS.
- CONTRACTOR SHALL PROVIDE PATCH PANELS, 1 PORT PER EACH JACK WITH 25% SPARE CAPACITY. ALL CABLING SHALL TERMINATE ON RACK-MOUNT PATCH PANELS. ALL HORIZONTAL CABLING SHALL BE FULLY TERMINATED.
- ALL CABLING SHALL BE ROUTED IN CONDUIT FROM DEVICE TO J-HOOKS.
- PROVIDE VERTICAL CABLE MANAGEMENT BETWEEN EACH EQUIPMENT RACK AND AT END OF EACH EQUIPMENT RACKS.
- ALL DROP TYPED SHALL BE EVENLY DISTRIBUTED ACROSS THE PATCH PANELS AND ADJACENT TO NEARBY DROPS.
- PROVIDE TWO (2) CAT6A CABLE TO EACH WIRELESS ACCESS POINT (WAP).
- PROVIDE CAT 6 CABLING TO ALL DATAVOICE OUTLETS.
- PROVIDE RISER RATED LOW-VOLTAGE CABLING.
- CONTRACTOR TO PROVIDE ALL PATCH CABLES IN CLOSET.

CABLE KEYNOTES:

- EXISTING FIBER FROM MDF.
- PROVIDE ONE (1) CAT6A COPPER CABLE TO EACH WIRELESS ACCESS POINT (WAP).
- PROVIDE ONE (1) CAT6 COPPER CABLE PER EACH DATAVOICE JACK.
- PROVIDE ONE (1) CAT6 COPPER CABLE TO EACH CCTV.



2 COMMUNICATIONS RISER DIAGRAM
NO SCALE



**LEGRANDE ELEMENTARY SCHOOL ADDITION
AND RENOVATION**
BG # 23-217
HART COUNTY BOARD OF EDUCATION
HORSE CAVE, KY

FIRST FLOOR PLAN - SYSTEMS

JOB NO.	1506.2
DATE	08/03/2023
DRAWN	GDC
CHECKED	BKB

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ARCHITECTS, PLLC

No.	Description	Date
1	ADDENDUM #2	08/23/23
2	ADDENDUM #3	09/11/2023

SHEET

E3.2

GENERAL NOTES (SYSTEMS):

- A. REFER TO THE ARCHITECT'S REFLECTED CEILING PLANS, ELEVATIONS, AND CASEWORK DETAILS FOR EXACT LOCATIONS OF ALL WALL AND CEILING MOUNTED ELECTRICAL DEVICES.
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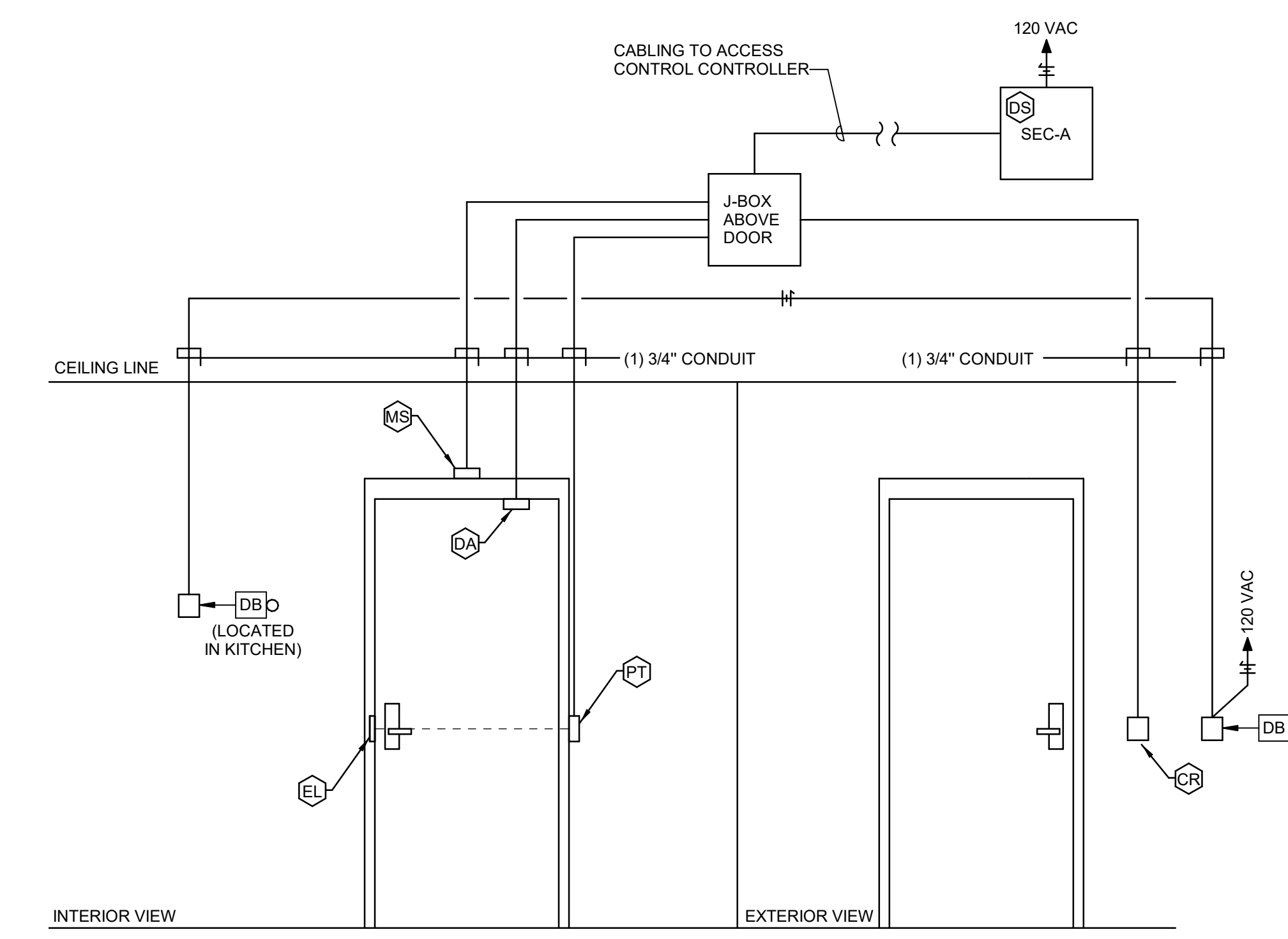
KEYNOTES



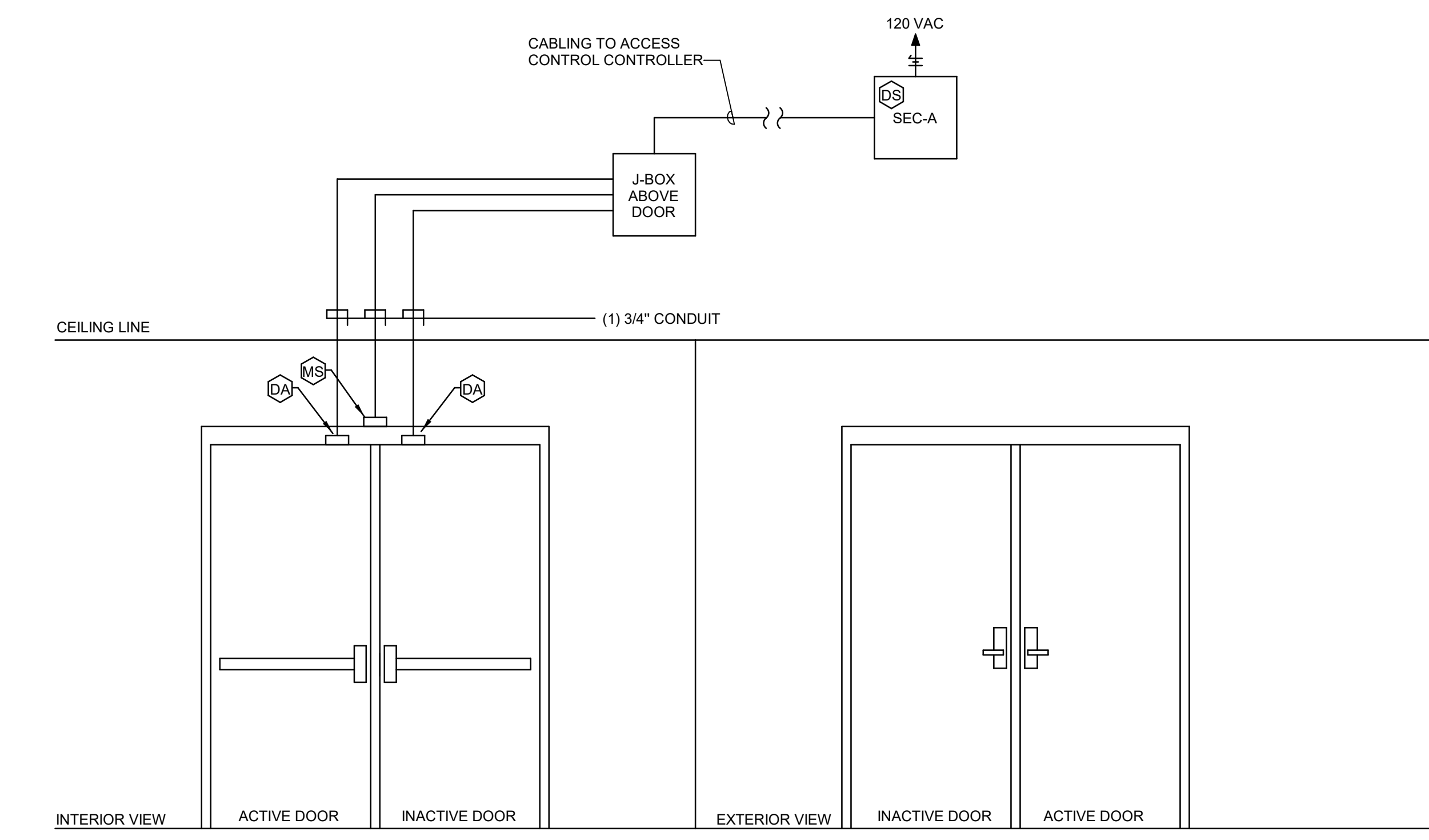
1 FIRST FLOOR PLAN - SYSTEMS
SCALE: 1/8" = 1'-0"

ITEM	DESCRIPTION	WIRING
DA	CONCEALED DOOR ALARM CONTACT (POSITION) SWITCH, ROUND, POP-IN, BALANCED	COMPOSITE, PLENUM RATED CABLE
EL	ELECTRIFIED LATCH	COMPOSITE, PLENUM RATED CABLE
SA	PIEZO DOOR HOLD OPEN SOUNDER ALARM	COMPOSITE, PLENUM RATED CABLE
CR	CARD READER / KEY FOB (MONITORCAST MANUFACTURER)	COMPOSITE, PLENUM RATED CABLE
ES	ELECTRIC DOOR STRIKE	COMPOSITE, PLENUM RATED CABLE
MS	REQUEST TO EXIT MOTION SENSER DOOR CONTROL WITH SOUNDER (BOSCH DX160)	COMPOSITE, PLENUM RATED CABLE
PB	PUSH BUTTON STATION MOUNTED UNDER DESK, MOMENTARY PUSH BUTTON	COMPOSITE, PLENUM RATED CABLE
PR	DOOR RELEASE BUTTON	COMPOSITE, PLENUM RATED CABLE
PP	PUSH PLATE	COMPOSITE, PLENUM RATED CABLE
PT	POWER TRANSFER (FRAME TO DOOR)	COMPOSITE, PLENUM RATED CABLE
IM	AUDIO/VIDEO INTERCOM MASTER STATION (AXIS)	COMPOSITE, PLENUM RATED CABLE
AI	AUDIO/VIDEO INTERCOM REMOTE STATION (AXIS)	18/4 CABLE TO DOOR ACCESS PANEL
DBD	DOORBELL AUDIO/VISUAL STATION	(2) #12 AWG, (1) #12 AWG GND
DB	DOORBELL PUSHBUTTON STATION	(2) #12 AWG, (1) #12 AWG GND
DS	DOOR POWER SUPPLY (LOCATE IN MDF / IDF)	(2) #12 AWG, (1) #12 AWG GND
SB	SWATBOX WITH CARD READER	COMPOSITE, PLENUM RATED CABLE
SEC-A	ACCESS DOOR CONTROLLER (LOCATE IN MDF/IDF. SEE FLOOR PLANS FOR LOCATIONS)	(2) #12 AWG, (1) #12 AWG GND

- ACCESS CONTROL AND INTRUSION SYSTEM NOTES:**
- INSTALLATION MUST BE COORDINATED WITH THE OWNER, ARCHITECT, ELECTRICAL CONTRACTOR AND DOOR HARDWARE CONTRACTOR PRIOR TO ROUGH-IN AND INSTALLATION.
 - INSTALLATION MUST BE COORDINATED WITH ANY DOOR OPERATOR EQUIPMENT.
 - ALL REQUIRED MODIFICATIONS TO THE DOOR FRAMES SHALL BE THE RESPONSIBILITY OF THE DIVISION 28 CONTRACTOR.
 - EGRESS SHALL NOT BE IMPEDED BY ACCESS CONTROLS AND SHALL BE ACCOMPLISHED BY THE DOOR HARDWARE.
 - ELECTRICAL CONTRACTOR SHALL PROVIDE ALL POWER CIRCUITS AND RECEPTACLES FOR THE SYSTEM.
 - DOOR HARDWARE SHALL BE PROVIDED AND INSTALLED AS PART OF THE DOOR HARDWARE CONTRACT.
 - THE ASSOCIATED LINE DIAGRAMS PRESENTS A TYPICAL SYSTEM WIRING SCHEME. NOT ALL CONNECTIONS ARE SHOWN.
 - ELECTRICAL CIRCUITS FEEDING THE ACCESS CONTROL SYSTEM SHALL BE DEDICATED TO THE SECURITY SYSTEM AND HAVE CIRCUIT BREAKER LOCK OFF CAPABILITY.
 - ALL CABLING SHALL BE PLENUM RATED AND ALL WIRING SHALL BE PER MANUFACTURER'S RECOMMENDATIONS.
 - DOOR CONTACTS SHALL BE RECESSED UNLESS OTHERWISE NOTED.
 - CARD READER PATHWAYS SHALL BE RECESSED AND FLUSH MOUNTED IN ALL INSTANCES.
 - SUBMITTALS AND SHOP DRAWINGS SHALL INCLUDE EXACT PRODUCT DATA CLEARLY INDICATED. SYSTEM CONNECTIONS, WIRING DIAGRAMS AND DEVICE LOCATIONS.
 - AS-BUILT DOCUMENTATION SHALL BE SUBMITTED IN ELECTRONIC AUTOCAD AND HARDCOPY FORMAT AND SHALL INCLUDE ALL SYSTEM REVISIONS.
- DOOR HARDWARE RISERS (GENERAL NOTES)**
- REFER TO SPECIFICATION 087100, FINISHED HARDWARE, FOR ADDITIONAL REQUIREMENTS.
 - PROVIDE ALL NECESSARY ROUGH-INS, 120V POWER, AND CONNECTIONS AS REQUIRED FOR A COMPLETE AND FULLY-FUNCTIONING DOOR HARDWARE ACCESS CONTROL SYSTEM.
 - COORDINATE ALL REQUIRED FIRE ALARM CONNECTIONS WITH DOOR HARDWARE SPECIFICATIONS AND VENDOR. SEE FLOOR PLANS AND SPECIFICATIONS FOR LOCATIONS AND REQUIREMENTS.
 - COORDINATE ALL REQUIREMENTS WITH FINAL DOOR HARDWARE SPECIFICATIONS PRIOR TO ROUGH-IN.



3 DOOR E167 HARDWARE DETAIL
NO SCALE REF: E4.1



1 DOOR E167a HARDWARE DETAIL
NO SCALE REF: E3.1

PANELBOARD AND WIRING SCHEDULE																				
PANEL: K1			MAINS TYPE: MLO			SCCR (KA):			AVAIL FAULT CURRENT (KA): 65k			SUPPLY FROM: EXISTING MDP								
VOLTAGE: 208Y/120V/3P/4W			SPD: Yes			MOUNTING: SURFACE			MOUNTING: FLUSH			AVAIL FAULT CURRENT (KA): 25k								
CIRCUIT DESCRIPTION			WIRE	GND	C	OC	P	CKT	A	B	C	CKT	P	OC	C	GND	WIRE	CIRCUIT DESCRIPTION		
LTNG - KITCHEN 167	(3) #10	#10 3/4"	20	1	1	1.9	0.0					2	1	20				DOOR BELL		
K-3 COLD FOOD COUNTER	(3) #10	#10 3/4"	20	3	5							4	1	20				K-1 CASHIER COUNTER		
K-8 GARBAGE DISPOSER	(4) #12	#12 3/4"	20	3	9	0.4	3.1					3	1	20	3/4"	(3) #10		K-4 HOT FOOD COUNTER		
K-13A ICE MAKER (EVAPORATOR)			20	1	11	1.4	6.6					10	1	20				K-10a DISHWASHER (CONVEYOR)		
K-13B ICE MAKER (DISPENSOR)			20	1	13			0.2	10.1			16						K-10b DISHWASHER (BOOSTER HEATER)		
K-16 PASS THRU PROOFING	(2) #10	#10 3/4"	30	1	17			2.9	10.1	18	3	110	1-1/2"	C	#6	(4) #4		K-18 PASS THRU REFRIG		
K-22 OVEN, MICROWAVE	(3) #10	#10 3/4"	25	2	21			1.9	0.3			22	1	20				K-39 COOLER (CONDENSING UNIT)		
K-23 HOT WATER DISPENSER	(3) #4	#8 1-1/4"	70	2	25	5.0	1.8					26						K-40 COOLER (EVAPORATOR)		
K-38 FOOD SLICER			20	1	29			5.0	1.8			28	3	20	3/4"	#12		K-41 COOLER (LIGHTS)		
K-43 FREEZER (CONDENSING UNIT)	(4) #12	#12 3/4"	20	3	31	3.0	0.1					32	1	20				K-42 COOLER (DOOR HEATER)		
K-44 FREEZER (EVAPORATOR)			20	1	33			3.0	0.5			34	1	20				REC		
K-45 FREEZER (LIGHTS)			20	1	35			3.0	0.5	36	1	20						HAND DRYER		
K-46 FREEZER (DOOR HEATER)			20	1	37	0.5	1.6					38	1	20				K-28 FOOD PROCESSOR		
REC			20	1	41			0.5	1.4	42	1	20								
K-30 GARBAGE DISPOSER	(4) #12	#12 3/4"	20	3	47			0.4	3.6			46				1"	#10	(4) #8	K-32 CUTTERMIXER, VERTICAL	
DRYER	(3) #10	#10 3/4"	30	2	51	0.4	3.6					50							WASHER	
K-20a COMBI OVEN (DOUBLE STACK, TOP UNIT)			20	2	55	0.9	0.9					52	1	20				K-20b COMBI OVEN (DOUBLE STACK, TOP UNIT)		
K-20b COMBI OVEN (DOUBLE STACK, BOTTOM UNIT)			20	2	59			0.9	0.9			58	2	20				K-20c COMBI OVEN (DOUBLE STACK, BOTTOM UNIT)		
K-26 TILTING KETTLE			20	1	61	0.9	0.9					62	1	20				K-25 CONVECTION OVEN		
SPARE	--	--	20	1	63			0.6	0.9			64	1	20				K-25 CONVECTION OVEN		
SPARE	--	--	20	1	65					0.0	0.0	66	1	20	--	--	--	SPARE		
SPARE	--	--	20	1	67	0.0	0.0					68	1	20	--	--	--	SPARE		
SPARE	--	--	20	1	69			0.0	0.0			70	1	20	--	--	--	SPARE		
SPARE	--	--	20	1	71					0.0	0.0	72	1	20	--	--	--	SPARE		
SPARE	--	--	20	1	73	0.0	0.0					74	1	20	--	--	--	SPARE		
SPARE	--	--	20	1	75			0.0	0.0			76	1	20	--	--	--	SPARE		
SPARE	--	--	20	1	77					0.0	0.0	78	1	20	--	--	--	SPARE		
SPACE	--	--	20	1	79							80	1	20	--	--	--	SPARE		
SPACE	--	--	20	1	81							82	1	20	--	--	--	SPARE		
SPACE	--	--	20	1	83							84	1	20	--	--	--	SPARE		
TOTAL LOAD (kVA):			48.8 kVA			44.9 kVA			46.5 kVA			389 A								
TOTAL CURRENT (A):			409 A			374 A			46.5 kVA			389 A								
LOAD CLASSIFICATION			CONNECTED LOAD			DEMAND FACTOR			ESTIMATED DEMAND			PANEL TOTALS								
EQUIP			10992 VA			100.00%		10992 VA				TOTAL CONNECTED LOAD: 140 kVA								
LTNG			1876 VA			100.00%		1876 VA				TOTAL ESTIMATED DEMAND: 131 kVA								
REC			28774 VA			67.38%		19387 VA				TOTAL CONNECTED CURRENT: 389 A								
												TOTAL ESTIMATED DEMAND CURRENT: 363 A								

PANELBOARD AND WIRING SCHEDULE																				
PANEL: L1			MAINS TYPE: MLO			SCCR (KA):			AVAIL FAULT CURRENT (KA): 25k			SUPPLY FROM: EXISTING MDP								
VOLTAGE: 208Y/120V/3P/4W			SPD: Yes			MOUNTING: FLUSH			MOUNTING: FLUSH			AVAIL FAULT CURRENT (KA): 25k								
CIRCUIT DESCRIPTION			WIRE	GND	C	OC	P	CKT	A	B	C	CKT	P	OC	C	GND	WIRE	CIRCUIT DESCRIPTION		
LTNG - CAFETERIA 164			20	1	1	1.2	0.7					2	1	20				LTNG - CLASSROOMS 163		
SPARE	--	--	20	1	2	0.3	0.2					3	1	20				SPARE		
SPARE	--	--	20	1	3	0.0	0.0					4	1	20				SPARE		
SPARE	--	--	20	1	4	0.0	0.0					5	1	20				SPARE		
SPARE	--	--	20	1	5	0.0	0.0					6	1	20				SPARE		
SPARE	--	--	20	1	6	0.0	0.0					7	1	20				SPARE		
SPARE	--	--	20	1	7	0.0	0.0					8	1	20				SPARE		
SPARE	--	--	20	1	8	0.0	0.0					9	1	20				SPARE		
SPARE	--	--	20	1	9	0.0	0.0					10	1	20				SPARE		
SPARE	--	--	20	1	10	0.0	0.0					11	1	20				SPARE		
SPARE	--	--	20	1	11	0.0	0.0					12	1	20				SPARE		
SPARE	--	--	20	1	12	0.0	0.0					13	1	20				SPARE		
SPARE	--	--	20	1	13	0.0	0.0					14	1	20				SPARE		
SPARE	--	--	20	1	14	0.0	0.0					15	1	20				SPARE		
SPARE	--	--	20	1	15	0.0	0.0					16	1	20				SPARE		
SPARE	--	--	20	1	16	0.0	0.0					17	1	20				SPARE		
SPARE	--	--	20	1	17	0.0	0.0					18	1	20				SPARE		
SPARE	--	--	20	1	18	0.0	0.0					19	1	20				SPARE		
SPARE	--	--	20	1	19	0.0	0.0					20	1	20				SPARE		
SPARE	--	--	20	1	20	0.0	0.0					21	1	20				SPARE		
SPARE	--	--	20	1	21	0.0	0.0					22	1	20				SPARE		
SPARE	--	--	20	1	22	0.0	0.0					23	1	20				SPARE		
SPARE	--	--	20	1	23	0.0	0.0					24	1	20				SPARE		
SPARE	--	--	20	1	24	0.0	0.0					25	1	20				SPARE		
SPARE	--	--	20	1	25	0.0	0.0					26	1	20				SPARE		
SPARE	--	--	20	1	26	0.0	0.0					27	1	20				SPARE		
SPARE	--	--	20	1	27	0.0	0.0					28	1	20				SPARE		
SPARE	--	--	20	1	28	0.0	0.0					29	1	20				SPARE		
SPARE	--	--	20	1	29	0.0	0.0					30	1	20				SPARE		
SPARE	--	--	20	1	30	0.0	0.0					31	1	20				SPARE		
SPARE	--	--	20	1	31	0.0	0.0					32	1	20				SPARE		
SPARE	--	--	20	1	32	0.0	0.0					33	1	20				SPARE		
SPARE	--	--	20	1	33	0.0	0.0					34	1	20				SPARE		
SPACE	--	--	20	1	35			0.0	0.0			35	1	20				SPARE		
SPACE	--	--	20	1	37							38	1	20				SPARE		
SPACE	--	--	20	1	39							40	1	20				SPARE		
SPACE	--	--	20	1	41							41	1	20				SPARE		
TOTAL LOAD (kVA):			2.0 kVA			0.5 kVA			0.0 kVA			0 A								
TOTAL CURRENT (A):			17 A			5 A			0 A			0 A								
LOAD CLASSIFICATION			CONNECTED LOAD			DEMAND FACTOR			ESTIMATED DEMAND			PANEL TOTALS								
LTNG			2430 VA			100.00%		2430 VA				TOTAL CONNECTED LOAD: 2 kVA								
												TOTAL ESTIMATED DEMAND: 2 kVA								
												TOTAL CONNECTED CURRENT: 7 A								
												TOTAL ESTIMATED DEMAND CURRENT: 7 A								

PANELBOARD AND WIRING SCHEDULE																		
PANEL: P1			MAINS TYPE: MLO			SCCR (KA):			AVAIL FAULT CURRENT (KA): 25k			SUPPLY FROM: EXISTING MDP						
VOLTAGE: 208Y/120V/3P/4W			SPD: Yes			MOUNTING: FLUSH			MOUNTING: FLUSH			AVAIL FAULT CURRENT (KA): 25k						
CIRCUIT DESCRIPTION			WIRE	GND	C	OC	P	CKT	A	B	C	CKT	P	OC	C	GND	WIRE	CIRCUIT DESCRIPTION
REC			20	1	1	1.1	0.4					2	1	20				REC
REC			20	1	3			1.1	0.4			4	1	20				REC
REC			20	1	5			1.1	1.3			6	1	20				REC
REC - EXTERIOR			20	1	7	0.7	0.2					8	2	20				REC - REFRIGERATOR
REC			20	1	9			1.4	0.9			10	1	20				REC - EXTERIOR
REC - MOTORIZED BED			20	1	11			0.2	0.9	12	1	20						REC
REC			20	1	13	0.9	0.9					14	1	20				REC
REC			20	1	15			1.1	0.9			16	1	20				REC
SPARE	--	--	20	1	17			0.0	0.0			18	1	20	--	--	--	SPARE
SPARE	--	--	20	1	19			0.0	0.2			20	1	20	--	--	--	SPARE
SPARE	--	--	20	1	21			0.0	0.2			22	1	20	--	--	--	SPARE
SPARE	--	--	20	1	23			0.0	0.4			24	1	20	--	--	--	SPARE
SPARE	--	--	20	1	25			0.0	0.0			26	1	20	--	--	--	SPARE
SPARE	--	--	20	1	27			0.0	0.0			28						