

ADDENDUM NO. 1

April 14, 2022

YOST ELEMENTARY SCHOOL ADDITIONS AND RENOVATIONS Chesterton, IN 46304

TO: ALL BIDDERS OF RECORD

This Addendum forms a part of and modifies the Bidding Requirements, Contract Forms, Contract Conditions, the Specifications, and the Drawings dated March 31, 2022 by Gibraltar Design. Acknowledge receipt of the Addendum in the space provided on the Bid Form. Failure to do so may subject the Bidder to disqualification.

This Addendum consists of Pages ADD 1-1 and attached Addendum No. 1 from Gibraltar Design dated April 14, 2022 and consisting of 7 pages, Specification Section 08 71 00 - Door Hardware, and 53 drawings.

ADDENDUM ONE

Addendum One (AD.01) to the drawings and specifications prepared by Gibraltar Design for **New Yost Elementary School** for Duneland School Corporation, Chesterton, Indiana.

All Contractors bidding on this project shall read all of the items covered below and shall comply with all of the requirements as set forth, including any necessary refinements or additions generated by this Addendum and required by the intent of the original contract documents. All Contractors shall acknowledge on their bid form that they have received this Addendum and include the appropriate content of same within their bid proposal.

SPECIFICATIONS

1. Specification Section 07 11 00 **Dampproofing**

A. Add new Paragraph 1.1.B. to read: "B. Dampproofing Accessories."

B. Add new Paragraph 2.3 as follows:

"2.3 Accessories

A. Non-Woven-Geotextile-Faced, Molded Sheet Drainage Panel: Manufactured composite subsurface drainage panels consisting of a nonwoven, needle-punched geotextile facing with an apparent opening size not exceeding No. 70 sieve laminated to one side with a polymeric film bonded to the other side of a studded, nonbiodegradable, molded-plastic-sheet drainage core, with a vertical flow rate of 9 to 15 gpm per ft.."

C. Add new Paragraph 3.4 as follows, and adjust numbering of remaining paragraph accordingly:

"3.4 Molded-Sheet Drainage Panel Installation

A. Place and secure molded-sheet drainage panels, with geotextile facing away from wall or deck substrate, according to manufacturer's written instructions. Use adhesives or mechanical fasteners that do not penetrate waterproofing. Lap edges and ends of geotextile fabric to maintain continuity. Protect installed molded-sheet drainage panels during subsequent construction."

2. Specification Section 08 71 00 **Door Hardware**

A. Substitute the Specification Section 08 71 00, Door Hardware, included in this addendum.

3. Specification Section 12 66 00 **Folding Bleachers**

A. Revise Paragraph 2.2.B to read: "B. Electronically Operated Folding Bleachers in Gymnasium D-103."

B. Revise Paragraph 2.2.B.3 to read: "3. Quantity: 130 Seats."

C. Revise Paragraph 2.2.6.e. as follows: "e. End Closure Curtains: Provide closure curtain fabricated of vinyl-coated 18 ounce polyester fabric on the partially open end of bleacher adjacent to Gym Entry. Curtain to open taut when bleachers is extended and folds automatically as it closes.

D. Clarification: No Tags for seats is required.

DRAWINGS

4. Sheet AD-001 and AD-002

- A. Refer to two revised full size drawings, included in this Addendum, for the following revisions:
1. Revise Note 1 to read: "Remove existing building from roof to bottom of existing footing complete. All utilities to be cut and capped at the edge of the existing portion of the building to remain."
 2. Revise Note 6 to include "Verify exact location in field."

5. Sheet A-101

- A. Refer to revised full size drawing, included in this Addendum, for the following revisions:
1. Add Note 5 to Door A-125A.
 2. Add floor elevation to Corridor A-110.

6. Sheet A-102

- A. Refer to revised full size drawing, included in this Addendum, for the following revisions:
1. Add Note 5 to Door B-140A and B-140D.
 2. Revise location of wall section cuts on south wall.
 3. Add floor elevation to Media Center B-125.
 4. Add Plan Note 19 to bollards at exterior of Mechanical Yard B-130.
 5. Add dimensions and elevation tag to west wall of Mechanical Yard B-130.
 6. Change wall section references at southeast corner of Media Center B-125.

7. Sheet A-103

- A. Refer to revised full size drawing, included in this Addendum, for the following revisions:
1. Add Note 5 to Door C-119A.
 2. Add floor elevation to Corridor C-101.
 3. Add Note 2 to casework on north wall of SE C-108.
 4. Add floor elevation to Equipment Platform Unit B B-201.

8. Sheet A-104

- A. Refer to revised full size drawing, included in this Addendum, for the following revisions:
1. Add floor elevation to Gymnasium D-103, Platform D-105, and Equipment Platform Unit D D-201.

9. Sheet A-105

- A. Refer to revised full size drawing, included in this Addendum, for the following revisions:
1. Add elevation tag to north wall of unit.
 2. Add Note 3 to dashed lines near the west wall of Cafeteria G-106.
 3. Add dimensions to locate walls to the north and south of the Cooler G-114 and Freezer E-113.

**10. Sheet A-201**

- A. Refer to revised full size drawing, included in this Addendum, for the following revisions:
 - 1. Note canopy to south of Gymnasium and canopy north of Cafeteria as Alternate.
 - 2. Add notes to clarify rooftop equipment above Kitchen.

11. Sheet A-210

- A. Refer to revised full size drawing, included in this Addendum, for the following revisions:
 - 1. Eave Detail 3/A-210: Add cavity vent to top of face brick.
 - 2. Gutter Detail 10/A-210: Add ice and water shield up 24" from fascia.

12. Sheet A-211

- A. Refer to revised full size drawing, included in this Addendum, for the following revisions:
 - 1. Eave Detail 8/A-211: Clarify masonry coursing and add cavity vent at top of masonry.

13. Sheet A-411

- A. Refer to revised full size drawing, included in this Addendum, for the following revisions:
 - 1. Wall Section 1/A-411: Add note for 5/8" gypsum wall board above ceiling.
 - 2. Wall Section 2/A-411: Change 5/8" gypsum sheathing to 5/8" gypsum wall board.
 - 3. Wall Section 3/A-411: Clarify materials above aluminum storefront. Clarify face brick note to include backer rod and sealant at EIFS intersection.

14. Sheet A-413

- A. Refer to revised full size drawing, included in this Addendum, for the following revisions:
 - 1. Wall Section Base Bid 1A/A-413: Change enlargement callout from 2/A-211 to 12/A-210.

15. Sheet A-416

- A. Refer to revised full size drawing, included in this Addendum, for the following revisions:
 - 1. Wall Sections 3/A-416 and 4/A-416: Revise grade and add drainage mat system.

16. Sheet A-417

- A. Refer to revised full size drawing, included in this Addendum, for the following revisions:
 - 1. Wall Section 2/A-417: Revise graphics of door frame and wall beyond to match plan detail.

17. Sheet A-418

- A. Refer to revised full size drawing, included in this Addendum, for the following revisions:
 - 1. Wall Section 2/A-418: Remove reference to Section 1/X100 not included in Construction Documents.

18. Sheet A-419

- A. Refer to revised full size drawing, included in this Addendum, for the following revisions:
 - 1. Change enlargement reference at top of canopy from 13/A-211 to 2/A-211.

19. Sheet A-601

- A. Refer to revised full size drawing, included in this Addendum, for the following revisions:

1. Change notes on Door B-101A and B-101B to align with card reader and A1 phone locations

20. Sheet A-610

- A. Refer to revised full size drawing, included in this Addendum, for the following revisions:
 1. Hollow metal frame elevations (HM) 1/A-610: Revise graphics frame profiles and dimensions to clarify frames for display case (HM7 and HM8).
 2. Hollow Metal (HM) frame profiles 2/A-610: Add frame profile S3.

21. Sheet A-620

- A. Refer to revised full size drawing, included in this Addendum, for the following revisions:
 1. Aluminum storefront elevations (SF 1/A-620): Change "...Revise to type C is Canopy..." to "... Revise to type C **if** canopy..." at SF4 and SF13.

22. Sheet A-701

- A. Refer to revised full size drawing, included in this Addendum, for TV locations in Rooms A-119 and A-103.

23. Sheet A-702

- A. Refer to revised full size drawing, included in this Addendum, for Keynote 16 change to "Chair Rail see Detail 6/A-761".

24. Sheet A-730

- A. Refer to revised full size drawing, included in this Addendum, for added note for height of backsplash.

25. Sheet A-760

- A. Refer to revised full size drawing, included in this Addendum, for changed dimension Detail #7 and #11.

26. Sheet A-761

- A. Refer to revised full size drawing, included in this Addendum, for added Detail #6 Chair Rail.

27. Sheet A-860

- A. Refer to revised full size drawing, included in this Addendum, for Interior Elevation Key Note #4 changed - Add "School Graphic TBD" to wainscot wall padding.

28. Sheet A-905

- A. Refer to revised full size drawing, included in this Addendum, for the following revisions:
 1. Add Key Note #15 to read "CMU Lintel at 107'-4"."
 2. Add note 15 in two locations on wall between Serving E-107 and Kitchen E-108.

29. Sheets MV102

- A. Refer to revised full size drawing, included in this Addendum, for the following revisions:
 1. Clarified exhaust note for GEF-4.
 2. Revised ductwork and diffusers for VAV-1H.
 3. Revised size of VAV-1H.
 4. Added VAV-10.
 5. Revised return air CFM in LGI B-140.



6. Added return air to Art B-131.
7. Revised exhaust ductwork for GEF-1

30. Sheet MV104

- A. Refer to revised full size drawing, included in this Addendum, for the following revisions:
 1. Updated gym diffuser and grille airflows.
 2. Clarified exhaust note for GEF-3.

31. Sheet MV105

- A. Refer to revised full size drawing, included in this Addendum, for revised continuation note.

32. Sheet MV106

- A. Refer to revised full size drawing, included in this Addendum, for the following revisions:
 1. Added VAV-2H to B-201.
 2. Updated ductwork routing for AH-6.

33. Sheet MP101

- A. Refer to revised full size drawing, included in this Addendum, for the following revisions:
 1. Relocated CU-2 to north side of building and rerouted associated refrigerant piping.
 2. Revised condensate piping to terminate in Janitor A-124.

34. Sheet MP103

- A. Refer to revised full size drawing, included in this Addendum, for the following revisions:
 1. Relocated CU-3 to north side of building and rerouted associated refrigerant piping.
 2. Revised condensate piping to terminate in Janitor C-118.

35. Sheet MP105

- A. Refer to revised full size drawing, included in this Addendum, for the following revisions:
 1. Added radiant ceiling panel (RCP-2) and associated thermostat to RR E-110.

36. Sheet MP106

- A. Refer to revised full size drawing, included in this Addendum, for added hot water piping to VAV-2H.

37. Sheet M-302

- A. Refer to revised full size drawing, included in this Addendum, for revised location of GEF-1.

38. Sheet M-501

- A. Refer to revised full size drawing, included in this Addendum, for added RCP-2 to Mechanical Equipment Schedule.

39. Sheet M-502

- A. Refer to revised full size drawing, included in this Addendum, for updated AH-2 VAV schedule.

**40. Sheets P-103 and P-105**

- A. Refer to two (2) revised full size drawings, included in this Addendum, for revised sheet notes.

41. Sheet P-205

- A. Refer to revised full size drawing, included in this Addendum, for removed fire pump.

42. Sheet P-601

- A. Refer to revised full size drawing, included in this Addendum, for revised incoming domestic water service diagram.

43. Sheet FP001

- A. Refer to revised full size drawing, included in this Addendum, for the following revisions:
 - 1. Revised fire protection zoning plan and fire inspectors test connection.
 - 2. Added incoming fire protection service diagram.
 - 3. Removed fire pump test header from enlarged first floor plan.

44. Sheet E-002

- A. Refer to revised full size drawing, included in this Addendum, for clarification that north parking lights are part of Alternate Bid.

45. Sheet EL102

- A. Refer to revised full size drawing, included in this Addendum, for the following revisions:
 - 1. Revised lighting in LGI B-140.
 - 2. Revised lighting in Commons Entrance B-115.
 - 3. Added exit sign to Corridor B-103.
 - 4. Shifted exit sign to Commons B-115.

46. Sheet EL104

- A. Refer to revised full size drawing, included in this Addendum, for the following revisions:
 - 1. Added exit sign to Platform D-105.
 - 2. Added exit sign to (1) additional gym exit Door D-103.
 - 3. Clarify Base Bid vs. Alternate bid lighting at Canopy Entrance D-101.

47. Sheet EL105

- A. Refer to revised full size drawing, included in this Addendum, for added downlights at northern canopy.

48. Sheet EP101

- A. Refer to revised full size drawing, included in this Addendum, for the following revisions:
 - 1. Delete mechanical equipment from Commons A-102.

49. Sheet EP102

- A. Refer to revised full size drawing, included in this Addendum, for the following revisions:
 - 1. Added note to indicate enlarged plan on Sheet EP108 for Mech B-128, B-129 and Mech Yard B-130.
 - 2. Revised TV location in Commons B-115.



3. Added TV in Reception B-102.

50. Sheet EP103

- A. Refer to revised full size drawing, included in this Addendum, for adjustment of pull station next to card reader at entrance in Corridor C-101.

51. Sheet EP104

- A. Refer to revised full size drawing, included in this Addendum, for the following revisions:
1. Modify location of printer in STEM D-118.
 2. Added TV to STEM D-118.

52. Sheet EP105

- A. Refer to revised full size drawing, included in this Addendum, for the following revisions:
1. Clarify enlarged plan location and call out for Mechanical and Electrical Rooms.

53. Sheet EP107

- A. Refer to revised full size drawing, included in this Addendum, for added 1" conduit in Kitchen E-108.

54. Sheet E-603

- A. Refer to revised full size drawing, included in this Addendum, for added fixture CE for new lighting in main entry.

Pages 1 through 7, inclusive, Specification Section 08 71 00, and Fifty-Three (53) Full-Size Drawings, constitute the total makeup of **Addendum One**.

**GIBRALTAR**

DESIGN

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SECTION 08 71 00

DOOR HARDWARE

1 - GENERAL

1.01 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

1.02 SUMMARY

A. Section includes:

1. Mechanical and electrified door hardware for:
 - a. Swinging doors.
2. Electronic access control system components, including:
 - a. Electronic access control devices.
3. The intent of the hardware specification is to specify the hardware for interior and exterior doors, and to establish a type, continuity, and standard of quality. However, it is the door hardware supplier's responsibility to thoroughly review existing conditions, schedules, specifications, drawings, and other Contract Documents to verify the suitability of the hardware specified.

B. Exclusions: Unless specifically listed in hardware sets, hardware is not specified in this section for:

1. Windows
2. Cabinets (casework), including locks in cabinets
3. Signage
4. Toilet accessories
5. Overhead doors

C. Related Sections:

1. Division 01 Section "Alternates" for alternates affecting this section.
2. Division 07 Section "Joint Sealants" for sealant requirements applicable to threshold installation specified in this section.
3. Division 26 sections for connections to electrical power system and for low-voltage wiring.
4. Division 28 sections for coordination with other components of electronic access control system.

1.03 REFERENCES

A. UL - Underwriters Laboratories

1. UL 10B - Fire Test of Door Assemblies
2. UL 10C - Positive Pressure Test of Fire Door Assemblies
3. UL 1784 - Air Leakage Tests of Door Assemblies
4. UL 305 - Panic Hardware

B. DHI - Door and Hardware Institute

1. Sequence and Format for the Hardware Schedule
2. Recommended Locations for Builders Hardware
3. Key Systems and Nomenclature

C. ANSI - American National Standards Institute

1. ANSI/BHMA A156.1 - A156.29, and ANSI/BHMA A156.31 - Standards for Hardware and Specialties

1.04 SUBMITTALS

A. General:

1. Submit in accordance with Conditions of Contract and Division 01 requirements.
2. Highlight, encircle, or otherwise specifically identify on submittals deviations from Contract Documents, issues of incompatibility or other issues which may detrimentally affect the Work.
3. Prior to forwarding submittal, comply with procedures for verifying existing door and frame compatibility for new hardware, as specified in PART 3, "EXAMINATION" article, herein.

B. Action Submittals:

1. Product Data: Technical product data for each item of door hardware, installation instructions, maintenance of operating parts and finish, and other information necessary to show compliance with requirements.
2. Riser and Wiring Diagrams: After final approval of hardware schedule, submit details of electrified door hardware, indicating:
 - a. Wiring Diagrams: For power, signal, and control wiring and including:
 - 1) Details of interface of electrified door hardware and building safety and security systems.
 - 2) Schematic diagram of systems that interface with electrified door hardware.
 - 3) Point-to-point wiring.
 - 4) Risers.
3. Samples for Verification: If requested by Architect, submit production sample or sample installations of each type of exposed hardware unit in finish indicated, and tagged with full description for coordination with schedule.



- a. Samples will be returned to supplier. Units that are acceptable to Architect may, after final check of operations, be incorporated into Work, within limitations of key coordination requirements.
4. Door Hardware Schedule: Submit schedule with hardware sets in vertical format as illustrated by Sequence of Format for the Hardware Schedule as published by the Door and Hardware Institute. Indicate complete designations of each item required for each door or opening, include:
 - a. Door Index; include door number, heading number, and Architects hardware set number.
 - b. Opening Lock Function Spreadsheet: List locking device and function for each opening.
 - c. Quantity, type, style, function, size, and finish of each hardware item.
 - d. Name and manufacturer of each item.
 - e. Fastenings and other pertinent information.
 - f. Location of each hardware set cross-referenced to indications on Drawings.
 - g. Explanation of all abbreviations, symbols, and codes contained in schedule.
 - h. Mounting locations for hardware.
 - i. Door and frame sizes and materials.
 - j. Name and phone number for local manufacturer's representative for each product.
 - k. Operational Description of openings with any electrified hardware (locks, exits, electromagnetic locks, electric strikes, automatic operators, door position switches, magnetic holders or closer/holder units, and access control components). Operational description should include operational descriptions for: egress, ingress (access), and fire/smoke alarm connections.
 - l. Submittal Sequence: Submit door hardware schedule concurrent with submissions of Product Data, Samples, and Shop Drawings. Coordinate submission of door hardware schedule with scheduling requirements of other work to facilitate fabrication of other work that is critical in Project construction schedule.
5. Key Schedule:
 - a. After Keying Conference, provide keying schedule listing levels of keying as well as explanation of key system's function, key symbols used and door numbers controlled.
 - b. Use ANSI/BHMA A156.28 "Recommended Practices for Keying Systems" as guideline for nomenclature, definitions, and approach for selecting optimal keying system.
 - c. Provide 3 copies of keying schedule for review prepared and detailed in accordance with referenced DHI publication. Include schematic keying diagram and index each key to unique door designations.
 - d. Index keying schedule by door number, keyset, hardware heading number, cross keying instructions, and special key stamping instructions.
 - e. Provide one complete bitting list of key cuts and one key system schematic illustrating system usage and expansion.
 - 1) Forward bitting list, key cuts and key system schematic directly to Owner, by means as directed by Owner.
 - f. Prepare key schedule by or under supervision of supplier, detailing Owner's final keying instructions for locks.

6. Templates: After final approval of hardware schedule, provide templates for doors, frames and other work specified to be factory or shop prepared for door hardware installation.

C. Informational Submittals:

1. Qualification Data: For Supplier, Installer and Architectural Hardware Consultant.
2. Product data for electrified door hardware:
 - a. Certify that door hardware approved for use on types and sizes of labeled fire-rated doors complies with listed fire-rated door assemblies.
3. Certificates of Compliance:
 - a. UL listings for fire-rated hardware and installation instructions if requested by Architect or Authority Having Jurisdiction.
 - b. Installer Training Meeting Certification: Letter of compliance, signed by Contractor, attesting to completion of installer training meeting specified in "QUALITY ASSURANCE" article, herein.
 - c. Electrified Hardware Coordination Conference Certification: Letter of compliance, signed by Contractor, attesting to completion of electrified hardware coordination conference, specified in "QUALITY ASSURANCE" article, herein.
4. Warranty: Special warranty specified in this Section.

D. Closeout Submittals:

1. Operations and Maintenance Data: Provide in accordance with Division 01 and include:
 - a. Complete information on care, maintenance, and adjustment; data on repair and replacement parts, and information on preservation of finishes.
 - b. Catalog pages for each product.
 - c. Factory order acknowledgement numbers (for warranty and service)
 - d. Name, address, and phone number of local representative for each manufacturer.
 - e. Parts list for each product.
 - f. Final approved hardware schedule, edited to reflect conditions as-installed.
 - g. Final keying schedule
 - h. Copies of floor plans with keying nomenclature
 - i. As-installed wiring diagrams for each opening connected to power, both low voltage and 110 volts.
 - j. Copy of warranties including appropriate reference numbers for manufacturers to identify project.

1.05 QUALITY ASSURANCE

A. Requirements of Regulatory Agencies:

1. Furnish finish hardware to comply with the requirements of laws, codes, ordinances, and regulations of the governmental authorities having jurisdiction where such requirements exceed the requirements of the Specifications.
 2. Furnish finish hardware to comply with the requirements of the regulations for public building accommodations for physically handicapped persons of the governmental authority having jurisdiction and to comply with Americans with Disabilities Act.
 3. Provide hardware for fire rated openings in compliance with NFPA 80 and state and local building code requirements. Provide only hardware that has been tested and listed by UL for types and sizes of doors required and complies with requirements of door and door frame labels.
- B. Supplier:
1. Mechanical Hardware
 - a. Shall be an established firm dealing in contract builders' hardware. Distributor must have adequate inventory, qualified personnel on staff and be located within 100 miles of the project. The distributor must be a factory-authorized dealer for all materials required. The supplier shall be or have in employment an Architectural Hardware Consultant (AHC).
 - b. Door Hardware distributor/supplier listed on the Bid Form shall be a factory authorized distributor for the hardware specified. This requirement will not be allowed to be met by a non-factory authorized dealer subcontracting to a factory authorized dealer. Any submitted bid that attempts to circumvent this requirement will be considered non-response and will be removed from consideration.
 2. Electrified Hardware:
 - a. Shall be an experienced door hardware supplier who has completed projects with electrified door hardware similar in material, design, and extent to that indicated for this project, whose work has resulted in construction with a record of successful in-service performance, and who is acceptable to manufacturer of primary materials. The supplier must be a factory-authorized distributor for all materials required.
 - b. Shall prepare data for electrified door hardware, including shop drawings, based on testing and engineering analysis of manufacturer's standard units in assemblies similar to those indicated for this project.
 - c. Shall have experience in providing consulting services for electrified door hardware installations.
- C. Installer Qualifications:
1. Qualified tradesmen, skilled in application of commercial grade hardware with record of successful in-service performance for installing door hardware similar in quantity, type, and quality to that indicated for this Project.
- D. Architectural Hardware Consultant Qualifications: Person who is experienced in providing consulting services for door hardware installations that are comparable in material, design, and extent to that indicated for this Project and meets these requirements:
1. For door hardware, DHI-certified, Architectural Hardware Consultant (AHC).

2. Can provide installation and technical data to Architect and other related subcontractors.
 3. Can inspect and verify components are in working order upon completion of installation.
 4. Capable of producing wiring diagrams.
 5. Capable of coordinating installation of electrified hardware with Architect and electrical engineers.
- E. Single Source Responsibility: Obtain each type of door hardware from single manufacturer.
- F. Fire-Rated Door Openings: Provide door hardware for fire-rated openings that complies with NFPA 80 and requirements of authorities having jurisdiction. Provide only items of door hardware that are listed products tested by Underwriters Laboratories, Intertek Testing Services, or other testing and inspecting organizations acceptable to authorities having jurisdiction for use on types and sizes of doors indicated, based on testing at positive pressure and according to NFPA 252 or UL 10C and in compliance with requirements of fire-rated door and door frame labels.
- G. Electrified Door Hardware: Listed and labeled as defined in NFPA 70, Article 100, by testing agency acceptable to authorities having jurisdiction.
- H. Accessibility Requirements: For door hardware on doors in an accessible route, comply with governing accessibility regulations cited in "REFERENCES" article, herein.
- I. Keying Conference
1. Incorporate keying conference decisions into final keying schedule after reviewing door hardware keying system including:
 - a. Function of building, flow of traffic, purpose of each area, degree of security required, and plans for future expansion.
 - b. Preliminary key system schematic diagram.
 - c. Requirements for key control system.
 - d. Requirements for access control.
 - e. Address for delivery of keys.
 2. Attendees of Keying Conference: Owner, Contractor, Architect, Installer, Owner's security consultant and Supplier's Architectural Hardware Consultant.
- J. Pre-installation Conference
1. Review and finalize construction schedule and verify availability of materials, Installer's personnel, equipment, and facilities needed to make progress and avoid delays.
 2. Inspect and discuss preparatory work performed by other trades.
 3. Inspect and discuss electrical roughing-in for electrified door hardware.
 4. Review sequence of operation for each type of electrified door hardware.
 5. Review required testing, inspecting, and certifying procedures.
- K. Coordination Conferences:

1. Installation Coordination Conference: Prior to hardware installation, schedule and hold meeting to review questions or concerns related to proper installation and adjustment of door hardware.
2. Electrified Hardware Coordination Conference: Prior to ordering electrified hardware, schedule and hold meeting to coordinate door hardware with security, electrical, doors and frames, and other related suppliers.

1.06 DELIVERY, STORAGE, AND HANDLING

- A. Inventory door hardware on receipt and provide secure lock-up for hardware delivered to Project site.
- B. Tag each item or package separately with identification coordinated with final door hardware schedule, and include installation instructions, templates, and necessary fasteners with each item or package.
 1. Deliver each article of hardware in manufacturer's original packaging.
- C. Project Conditions:
 1. Maintain manufacturer-recommended environmental conditions throughout storage and installation periods.
 2. Provide secure lock-up for door hardware delivered to Project. Control handling and installation of hardware items so that completion of Work will not be delayed by hardware losses both before and after installation.
- D. Protection and Damage:
 1. Promptly replace products damaged during shipping.
 2. Handle hardware in manner to avoid damage, marring, or scratching. Correct, replace or repair products damaged during Work.
 3. Protect products against malfunction due to paint, solvent, cleanser, or any chemical agent.
- E. Deliver keys to manufacturer of key control system for subsequent delivery to Owner.

1.07 COORDINATION

- A. Coordinate layout and installation of floor-recessed door hardware with floor construction. Cast anchoring inserts into concrete.
- B. Installation Templates: Distribute for doors, frames, and other work specified to be factory or shop prepared. Check Shop Drawings of other work to confirm that adequate provisions are made for locating and installing door hardware to comply with indicated requirements.
- C. Security: Coordinate installation of door hardware, access control, and keying with Owner's security consultant.



- D. Electrical System Roughing-In: Coordinate layout and installation of electrified door hardware with connections to power supplies and building safety and security systems.

1.08 WARRANTY

- A. Warranty: Manufacturer's standard form in which manufacturer agrees to repair or replace components of door hardware that fail in materials or workmanship within specified warranty period.
1. Warranty Period: Beginning from date of Substantial Completion, for durations indicated.
 - a. Closers:
 - 1) Mechanical: 30 years.
 - b. Automatic Operators: 2 years.
 - c. Exit Devices:
 - 1) Mechanical: 3 years.
 - 2) Electrified: 1 year.
 - d. Locksets:
 - 1) Mechanical: 3 years; Schlage ND series, 10 years
 - 2) Electrified: 1 year.
 - e. Continuous Hinges: Lifetime warranty.
 - f. Key Blanks: Lifetime
 2. Warranty does not cover damage or faulty operation due to improper installation, improper use or abuse.

1.09 MAINTENANCE

- A. Maintenance Tools: Furnish complete set of special tools required for maintenance and adjustment of hardware, including changing of cylinders.

2 - PRODUCTS

2.01 MANUFACTURERS

- A. The Owner requires use of certain products for their unique characteristics and project suitability to insure continuity of existing and future performance and maintenance standards. After investigating available product offerings, the Awarding Authority has elected to prepare proprietary specifications. These products are specified with the notation: "No Substitute."
1. Where "No Substitute" is noted, submittals and substitution requests for other products will not be considered.

- B. Approval of manufacturers and/or products other than those listed as "Scheduled Manufacturer" or "Acceptable Manufacturers" in the individual article for the product category shall be in accordance with QUALITY ASSURANCE article, herein.
- C. Approval of products from manufacturers indicated in "Acceptable Manufacturers" is contingent upon those products providing all functions and features and meeting all requirements of scheduled manufacturer's product.
- D. Where specified hardware is not adaptable to finished shape or size of members requiring hardware, furnish suitable types having same operation and quality as type specified, subject to Architect's approval.

2.02 MATERIALS

A. Fasteners

- 1. Provide hardware manufactured to conform to published templates, generally prepared for machine screw installation.
 - 2. Furnish screws for installation with each hardware item. Finish exposed (exposed under any condition) screws to match hardware finish, or, if exposed in surfaces of other work, to match finish of this other work including prepared for paint surfaces to receive painted finish.
 - 3. Provide concealed fasteners for hardware units exposed when door is closed except when no standard units of type specified are available with concealed fasteners. Do not use thru-bolts for installation where bolt head or nut on opposite face is exposed in other work unless thru-bolts are required to fasten hardware securely. Review door specification and advise Architect if thru-bolts are required.
 - 4. Install hardware with fasteners provided by hardware manufacturer.
- B. Provide screws, bolts, expansion shields, drop plates and other devices necessary for hardware installation.
- 1. Where fasteners are exposed to view: Finish to match adjacent door hardware material.

2.03 HINGES

A. Manufacturers and Products:

- 1. Scheduled Manufacturer and Product: Ives 5BB series.
- 2. Acceptable Manufacturers and Products: Hager BB series (ECBB series not approved), McKinney TA/T4A series (MacPro series not approved).

B. Requirements:

- 1. Provide hinges conforming to ANSI/BHMA A156.1.
- 2. 1-3/4 inch (44 mm) thick doors, up to and including 36 inches (914 mm) wide:
 - a. Exterior: Standard weight, bronze or stainless steel, 4-1/2 inches (114 mm) high
 - b. Interior: Standard weight, steel, 4-1/2 inches (114 mm) high



3. 1-3/4 inch (44 mm) thick doors over 36 inches (914 mm) wide:
 - a. Exterior: Heavy weight, bronze/stainless steel, 5 inches (127 mm) high
 - b. Interior: Heavy weight, steel, 5 inches (127 mm) high
4. 2 inches or thicker doors:
 - a. Exterior: Heavy weight, bronze or stainless steel, 5 inches (127 mm) high
 - b. Interior: Heavy weight, steel, 5 inches (127 mm) high
5. Provide three hinges per door leaf for doors 90 inches (2286 mm) or less in height, and one additional hinge for each 30 inches (762 mm) of additional door height.
6. Hinge Pins: Except as otherwise indicated, provide hinge pins as follows:
 - a. Steel Hinges: Steel pins
 - b. Non-Ferrous Hinges: Stainless steel pins
 - c. Out-Swinging Exterior Doors: Non-removable pins
 - d. Out-Swinging Interior Lockable Doors: Non-removable pins
 - e. Interior Non-lockable Doors: Non-rising pins
7. Width of hinges: 4-1/2 inches (114 mm) at 1-3/4 inch (44 mm) thick doors, and 5 inches (127 mm) at 2 inches (51 mm) or thicker doors. Adjust hinge width as required for door, frame, and wall conditions to allow proper degree of opening.

2.04 CONTINUOUS HINGES

A. Aluminum Geared

1. Manufacturers:
 - a. Scheduled Manufacturer: Ives.
 - b. Acceptable Manufacturers: Pemko, Select.
2. Requirements:
 - a. Provide aluminum geared continuous hinges conforming to ANSI/BHMA A156.26, Grade 1.
 - b. Provide aluminum geared continuous hinges, where specified in the hardware sets, fabricated from 6063-T6 aluminum.
 - c. Provide split nylon bearings at each hinge knuckle for quiet, smooth, self-lubricating operation.
 - d. Provide hinges capable of supporting door weights up to 450 pounds, and successfully tested for 1,500,000 cycles.
 - e. On fire-rated doors, provide aluminum geared continuous hinges that are classified for use on rated doors by testing agency acceptable to authority having jurisdiction.
 - f. Install hinges with fasteners supplied by manufacturer.
 - g. Provide hinges 1 inch (25 mm) shorter in length than nominal height of door, unless otherwise noted or door details require shorter length and with symmetrical hole pattern.

**2.05 ELECTRIC POWER TRANSFER****A. Manufacturers:**

- a. Scheduled Manufacturer: Von Duprin EPT-10.
- b. Acceptable Manufacturers: Precision EPT-12C, Securitron CEPT-10.

B. Provide power transfer with electrified options as scheduled in the hardware sets. Provide with number and gage of wires sufficient to accommodate electric function of specified hardware.

C. Locate electric power transfer per manufacturer's template and UL requirements, unless interference with operation of door or other hardware items.

2.06 FLUSH BOLTS**A. Manufacturers:**

1. Scheduled Manufacturer: Ives.
2. Acceptable Manufacturers: Burns, Rockwood.

B. Requirements:

1. Provide automatic, constant latching, and manual flush bolts with forged bronze or stainless-steel face plates, extruded brass levers, and with wrought brass guides and strikes. Provide 12 inch (305 mm) steel or brass rods at doors up to 90 inches (2286 mm) in height. For doors over 90 inches (2286 mm) in height increase top rods by 6 inches (152 mm) for each additional 6 inches (152 mm) of door height. Provide dust-proof strikes at each bottom flush bolt.

2.07 COORDINATORS**A. Manufacturers:**

1. Scheduled Manufacturer: Ives.
2. Acceptable Manufacturers: Rockwood, Trimco.

B. Requirements:

1. Where pairs of doors are equipped with automatic flush bolts, an astragal, or other hardware that requires synchronized closing of the doors, provide bar-type coordinating device, surface applied to underside of stop at frame head.
2. Provide filler bar of correct length for unit to span entire width of opening, and appropriate brackets for parallel arm door closers, surface vertical rod exit device strikes or other stop mounted hardware. Factory-prepared coordinators for vertical rod devices as specified.

2.08 MORTISE LOCKS**A. Manufacturers and Products:**



1. Scheduled Manufacturer and Product: Schlage L9000 series.
2. Acceptable Manufacturers and Products: No Substitutions – Facility Standard.

B. Requirements:

1. Provide mortise locks conforming to ANSI/BHMA A156.13 Series 1000, Grade 1, and UL Listed for 3 hour fire doors.
2. Indicators: Where specified, provide indicator window measuring a minimum 2 inch x 1/2 inch with 180 degree visibility. Provide messages color-coded with full text and/or symbols, as scheduled, for easy visibility.
 - a. Inside Security Indicator: Provide indicator above cylinder or thumbturn for visibility during lockdown that identifies the outside trim as locked/unlocked status of the door.
 - b. Outside Status Indicator: Provide indicator above cylinder for visibility that identifies the outside trim as locked/unlocked status of the door.
 - c. Outside Occupancy Indicator: Provide indicator above cylinder or emergency release for visibility while operating the lock that identifies an occupied/unoccupied status of the lock or latch.
3. Provide locks manufactured from heavy gauge steel, containing components of steel with a zinc dichromate plating for corrosion resistance.
4. Provide lock case that is multi-function and field reversible for handing without opening case. Cylinders: Refer to "KEYING" article, herein.
5. Verify lock functions with owner prior to ordering.
6. Install thumb turns so they are in vertical position when doors are unlocked and in horizontal position when doors are locked.
7. Install thumb turns so they are in vertical position when doors are unlocked and in horizontal position when doors are locked.
8. Provide locks with standard 2-3/4 inches (70 mm) backset with full 3/4 inch (19 mm) throw stainless steel mechanical anti-friction latchbolt. Provide deadbolt with full 1 inch (25 mm) throw, constructed of stainless steel.
9. Provide standard ASA strikes unless extended lip strikes are necessary to protect trim.
10. Provide electrified options as scheduled in the hardware sets. Where scheduled, provide switches and sensors integrated into the locks and latches.
11. Provide motor based electrified locksets with electrified options as scheduled in the hardware sets and comply with the following requirements:
 - a. Universal input voltage – single chassis accepts 12 or 24V DC to allow for changes in the field without changing lock chassis.
 - b. Fail Safe/Fail Secure – changing mode between electrically locked (fail safe) and electrically unlocked (fail secure) is field selectable without opening the lock case
 - c. Low maximum current draw – maximum 0.4 amps to allow for multiple locks on a single power supply.
 - d. Low holding current – maximum 0.01 amps to produce minimal heat, eliminate "hot levers" in electrically locked applications, and to provide reliable operation in wood doors that provide minimal ventilation and air flow.
 - e. Request to Exit Switch (RX) –
 - 1) Modular Design – provide electrified locks capable of using, adding, or changing a modular RX switch without opening the lock case.
 - 2) Monitoring – where scheduled, provide a request to exit (RX) switch that detects rotation of the inside lever.



- f. Latchbolt Monitor Switch (LX) –
 - 1) Monitoring – where scheduled, provide a latchbolt monitor (LX) switch that indicates the latchbolt position.
 - g. Door Position Sensor (DPS) –
 - 1) Monitoring – where scheduled, provide a door position sensor (DPS) switch that detects the position of the door in relation to the frame.
 - h. Deadbolt Monitor (DM) –
 - 1) Monitoring – where scheduled, provide a deadbolt monitor (DM) switch that indicates the position of the deadbolt.
 - i. Connections – provide quick-connect Molex system standard.
12. Lever Trim: Solid brass, bronze, or stainless steel, cast or forged in design specified, with wrought roses and external lever spring cages. Provide thru-bolted levers with 2-piece spindles.
- a. Lever Design: Schlage 06N.
 - b. Tactile Warning (Knurling): Where required by authority having jurisdiction. Provide on levers on exterior (secure side) of doors serving rooms considered to be hazardous.

2.09 CYLINDRICAL LOCKS – GRADE 1

A. Manufacturers and Products:

- 1. Scheduled Manufacturer and Product: Schlage ND series.
- ~~2.~~ Acceptable Manufacturers and Products: No Substitutions – Facility Standard.

B. Requirements:

- 1. Provide cylindrical locks conforming to ANSI/BHMA A156.2 Series 4000, Grade 1, and UL Listed for 3 hour fire doors.
- 2. Cylinders: Refer to "KEYING" article, herein.
- 3. Verify lock functions with owner prior to ordering.
- 4. Provide locks with standard 2-3/4 inches (70 mm) backset, unless noted otherwise, with 1/2 inch latch throw. Provide proper latch throw for UL listing at pairs.
- 5. Provide locksets with separate anti-rotation thru-bolts, and no exposed screws.
- 6. Provide independently operating levers with two external return spring cassettes mounted under roses to prevent lever sag.
- 7. Provide standard ASA strikes unless extended lip strikes are necessary to protect trim.
- 8. Provide electrified options as scheduled in the hardware sets.
- 9. Lever Trim: Solid cast levers without plastic inserts and wrought roses on both sides.
 - a. Lever Design: Schlage Rhodes.
 - b. Tactile Warning (Knurling): Where required by authority having jurisdiction. Provide on levers on exterior (secure side) of doors serving rooms considered to be hazardous.

2.10 AUXILIARY LOCKS

A. Deadlocks:

1. Manufacturers and Products:
 - a. Scheduled Manufacturer and Product: Schlage L400 series.
 - b. Acceptable Manufacturers and Products: No Substitutions – Facility Standard.
2. Requirements:
 - a. Provide mortise deadlock series conforming to ANSI/BHMA A156 and function as specified.
 - b. Cylinders: Refer to "KEYING" article, herein.
 - c. Provide deadlocks with standard 2-3/4 inches (70 mm) backset. Provide deadbolt with full 1 inch (25 mm) throw, constructed of stainless steel.
 - d. Provide manufacturer's standard strike.

2.11 EXIT DEVICES

A. Manufacturers and Products:

1. Scheduled Manufacturer and Product: Von Duprin 99/33A series.
2. Acceptable Manufacturers and Products: No Substitutions – Facility Standard.

B. Requirements:

1. Provide exit devices tested to ANSI/BHMA A156.3 Grade 1 and UL listed for Panic Exit or Fire Exit Hardware.
2. Cylinders: Refer to "KEYING" article, herein.
3. Verify exit device functions with owner prior to ordering.
4. Provide touchpad type exit devices, fabricated of brass, bronze, stainless steel, or aluminum, plated to standard architectural finishes to match balance of door hardware.
5. Touchpad must extend a minimum of one half of door width. No plastic inserts are allowed in touchpads.
6. Provide exit devices with deadlatching feature for security and for future addition of alarm kits and/or other electrified requirements.
7. Provide flush end caps for exit devices.
8. Provide exit devices with manufacturer's approved strikes.
9. Provide exit devices cut to door width and height. Install exit devices at height recommended by exit device manufacturer, allowable by governing building codes, and approved by Architect.
10. Mount mechanism case flush on face of doors, or provide spacers to fill gaps behind devices. Where glass trim or molding projects off face of door, provide glass bead kits.
11. Provide cylinder or hex-key dogging as specified at non fire-rated openings.
12. Provide dogging indicators (CDSI/HDSI) for visible indication of dogging status.
13. Removable Mullions: 2 inches (51 mm) x 3 inches (76 mm) steel tube. Where scheduled as keyed removable mullion, provide type that can be removed by use of a keyed cylinder, which is self-locking when re-installed.



14. Provide factory drilled weep holes for exit devices used in full exterior application, highly corrosive areas, and where noted in hardware sets.
15. Provide electrified options as scheduled.
16. Concealed Vertical Cable Exit Devices: provide cable-actuated concealed vertical latch system in two-point for non-rated or fire rated wood doors up to a 90 minute rating and less bottom latch (LBL) configuration for non-rated or fire rated wood doors up to 20 minute rating. Vertical rods not permitted.
 - a. Cable: Stainless steel with abrasive resistant coating. Conduit and core wire ends snap into latch and center slides without use of tools.
 - b. Wood Door Prep: Maximum 1 inch x 1.1875 inch x 3.875 inches top latch pocket and 1 inch x 1.1875 inch x 5 inches bottom latch pocket which does not require the use of a metal wrap or edge for non-rated or fire rated wood doors up to a 45 minute rating.
 - c. Latchbolts and Blocking Cams: Manufactured from sintered metal low carbon copper- infiltrated steel, with molybdenum disulfide low friction coating.
 - d. Top Latchbolt: Minimum 0.38 inch (10 mm) and greater than 90 degree engagement with strike to prevent door and frame separation under high static load.
 - e. Bottom Latchbolt: Minimum of 0.44 inch (11 mm) engagement with strike.
 - f. Product Cycle Life: 1,000,000 cycles.
 - g. Latch Operation: Top and bottom latch operate independently of each other. Top latch fully engages top strike even when bottom latch is compromised. Separate trigger mechanisms not permitted.
 - h. Latch release does not require separate trigger mechanism.
 - i. Cable and latching system characteristics:
 - 1) Installed independently of exit device installation, and capable of functioning on door prior to device and trim installation.
 - 2) Connected to exit device at single point in steel and aluminum doors, and two points for top and bottom latches in wood doors.
 - 3) Bottom latch height adjusted, from single point for steel and aluminum doors and two points for wood doors, after system is installed and connected to exit device, while door is hanging
 - 4) Bottom latch position altered up and down minimum of 2 inches (51 mm) in steel and aluminum doors without additional adjustment. Bottom latch deadlocks in every adjustment position in wood doors.
 - 5) Top and bottom latches in steel and aluminum doors and top latch in wood doors may be removed while door is hanging.
17. Top latch mounting: double or single tab mount for steel doors, face mount for aluminum doors eliminating requirement of tabs, and double tab mount for wood doors.
18. Provide exit devices with optional trim designs to match other lever and pull designs used on the project.
 - a. Tactile Warning (Knurling): Where required by authority having jurisdiction. Provide on levers on exterior (secure side) of doors serving rooms considered to be hazardous.

2.12 ELECTRIC STRIKES

A. Manufacturers and Products:

1. Scheduled Manufacturer and Product: Von Duprin 6000 Series.
2. Acceptable Manufacturers and Products: Folger Adam 300 Series, HES 1006 Series.

B. Requirements:

1. Provide electric strikes designed for use with type of locks shown at each opening.
2. Provide electric strikes UL Listed as burglary-resistant.
3. Where required, provide electric strikes UL Listed for fire doors and frames.
4. Provide transformers and rectifiers for each strike as required. Verify voltage with electrical contractor.

2.13 PASSIVE INFRARED MOTION SENSORS

A. Manufacturers and Products:

1. Scheduled Manufacturer and Product: Schlage SCAN II Series.
2. Acceptable Manufacturers and Products: RCI 915 Series, Securitron XMS Series, Security Door Controls MD-31D Series.

B. Requirements:

1. Provide motion sensors as specified in hardware groups.

2.14 POWER SUPPLIES

A. Manufacturers and Products:

1. Scheduled Manufacturer and Product: Schlage or Von Duprin PS900 series
2. Acceptable Manufacturers and Products: No Substitutions

B. Requirements:

1. Provide power supplies, recommended and approved by manufacturer of electrified locking component, for operation of electrified locks, electrified exit devices, magnetic locks, electric strikes, and other components requiring power supply.
2. Provide appropriate quantity and size of power supplies necessary for proper operation of electrified locking components as recommended by manufacturer of electrified locking components with consideration for each electrified component using power supply, location of power supply, and approved wiring diagrams. Locate power supplies as directed by Architect.
3. Provide appropriate option boards for power supplies necessary for proper operation of the electrified locking components as recommended by the manufacturer of the electrified locking components with consideration for each electrified component used in the system.
4. Provide regulated and filtered 24 VDC power supply and UL class 2 listed.
5. Options:

- a. Provide power supply, where specified, with internal capability of charging sealed backup batteries 24 VDC, in addition to operating DC load.
 - b. Provide sealed batteries for battery back-up at each power supply where specified.
 - c. Provide keyed power supply cabinet.
6. Provide power supply in an enclosure, complete, and requiring 120VAC to fused input.
7. Provide power supply with emergency release terminals, where specified, that allow release of all devices upon activation of fire alarm system complete with fire alarm input for initiating "no delay" exiting mode.

2.15 CYLINDERS

A. Manufacturers:

1. Scheduled Manufacturer: Schlage
2. Acceptable Manufacturers: No Substitutions – Facility Standard.

B. Requirements:

1. Provide cylinders/cores, from the same manufacturer of locksets, compliant with ANSI/BHMA A156.5; latest revision, Section 12, Grade 1; permanent cylinders; cylinder face finished to match lockset, manufacturer's series as indicated. Refer to "KEYING" article, herein.
2. Provide cylinders in the below-listed configuration(s), distributed throughout the Project as indicated.
 - a. Cylinder/Core Type: Large Format or Full Size Interchangeable Core (LFIC/FSIC).
 - b. Keyway/Security Type: Restricted/Patented.
3. Nickel silver bottom pins.
4. Replaceable Construction Cores.
 - a. Provide temporary construction cores replaceable by permanent cores, furnished in accordance with the following requirements.
 - 1) 2 construction control keys.
 - 2) 12 construction change (day) keys.

2.16 KEYING

- A. Provide a factory registered keying system, complying with guidelines in ANSI/BHMA A156.28, incorporating decisions made at keying conference.
- B. Requirements:
 1. Provide keying system capable of multiplex masterkeying.
 2. Permanent cylinders/cores keyed by the manufacturer according to the following key system.
 - a. Keying system as directed by the Owner.

- b. (Great)Grand Master Key System: Cylinders/cores operated by change (day) keys and subsequent masters (including grand/great grand) keys.
- 3. Forward bitting list and keys separately from cylinders, by means as directed by Owner. Failure to comply with forwarding requirements shall be cause for replacement of cylinders/cores involved at no additional cost to Owner.
- 4. Provide keys with the following features:
 - a. Material: Nickel silver; minimum thickness of .107-inch (2.3mm).
 - b. Restricted/Patented Keyway.
- 5. Identification:
 - a. Mark permanent cylinders/cores and keys with applicable blind code per DHI publication "Keying Systems and Nomenclature" for identification. Blind code marks shall not include actual key cuts.
 - b. Identification stamping provisions must be approved by the Architect and Owner.
 - c. Stamp keys with Owner's unique key system facility code as established by the manufacturer; key symbol and embossed or stamped with "DO NOT DUPLICATE".
 - d. Failure to comply with stamping requirements shall be cause for replacement of keys involved at no additional cost to Owner.
 - e. Verify with owner if permanent cylinders/cores and/or keys are to be shipped directly to Owner or to Contractor.
- 6. Quantity: Furnish in the following quantities.
 - a. Change (Day) Keys: 3 per cylinder/core.
 - b. Permanent Control Keys: 3 (if required).
 - c. Master Keys: 6 per master.
 - d. Unused balance of key blanks shall be furnished to Owner with the cut keys.

2.17 KEY CONTROL SYSTEM

A. Manufacturers:

- 1. Scheduled Manufacturer: Telkee.
- 2. Acceptable Manufacturers: HPC, Lund.

B. Requirements:

- 1. Provide key control system, including envelopes, labels, tags with self-locking key clips, receipt forms, 3-way visible card index, temporary markers, permanent markers, and standard metal cabinet, all as recommended by system manufacturer, with capacity for 150% of number of locks required for Project.
 - a. Provide complete cross index system set up by hardware supplier, and place keys on markers and hooks in cabinet as determined by final key schedule.
 - b. Provide hinged-panel type cabinet for wall mounting.

2.18 DOOR CLOSERS

A. Manufacturers and Products:

1. Scheduled Manufacturer and Product: LCN 4040XP series.
2. Acceptable Manufacturers and Products: No Substitutions – Facility Standard.

B. Requirements:

1. Provide door closers conforming to ANSI/BHMA A156.4 Grade 1 requirements by BHMA certified independent testing laboratory. ISO 9000 certify closers. Stamp units with date of manufacture code.
2. Provide door closers with fully hydraulic, full rack and pinion action with high strength cast iron cylinder, and full complement bearings at shaft.
3. Cylinder Body: 1-1/2 inch (38 mm) diameter with 3/4 inch (19 mm) diameter double heat-treated pinion journal.
4. Hydraulic Fluid: Fireproof, passing requirements of UL10C, and requiring no seasonal closer adjustment for temperatures ranging from 120 degrees F to -30 degrees F.
5. Spring Power: Continuously adjustable over full range of closer sizes, and providing reduced opening force as required by accessibility codes and standards.
6. Hydraulic Regulation: By tamper-proof, non-critical valves, with separate adjustment for latch speed, general speed, and backcheck.
7. Provide closers with solid forged steel main arms and factory assembled heavy-duty forged forearms for parallel arm closers.
8. Pressure Relief Valve (PRV) Technology: Not permitted.
9. Finish for Closer Cylinders, Arms, Adapter Plates, and Metal Covers: Powder coating finish which has been certified to exceed 100 hours salt spray testing as described in ANSI Standard A156.4 and ASTM B117, or has special rust inhibitor (SRI).
10. Provide special templates, drop plates, mounting brackets, or adapters for arms as required for details, overhead stops, and other door hardware items interfering with closer mounting.

2.19 ELECTRO-HYDRAULIC AUTOMATIC OPERATORS

A. Manufacturers and Products:

1. Scheduled Manufacturer and Product: LCN 4600 series.
2. Acceptable Manufacturers and Products: No Substitutions – Facility Standard.

B. Requirements:

1. Provide low energy automatic operator units with hydraulic closer complying with ANSI/BHMA A156.19.
2. Hydraulic Fluid: Fireproof, passing requirements of UL10C, and requiring no seasonal closer adjustment for temperatures ranging from 120 degrees F to -30 degrees F.
3. Provide units with conventional door closer opening and closing forces unless power operator motor is activated. Provide door closer assembly with adjustable spring size, back-check, and opening and closing speed adjustment valves to control door
4. Provide units with on/off switch for manual operation, motor start up delay, vestibule interface delay, electric lock delay, and door hold open delay.



5. Provide units with conventional door closer opening and closing forces unless power operator motor is activated. Provide door closer assembly with adjustable spring size, back-check valve, sweep valve, latch valve to control door.
6. Provide drop plates, brackets, or adapters for arms as required for details.
7. Provide hard-wired actuator switches for operation as specified.
8. Provide weather-resistant actuators at exterior applications.
9. Provide key switches with LED's, recommended and approved by manufacturer of automatic operator as required for function described in operation description of hardware group below. Cylinders: Refer to "KEYING" article, herein.
10. Provide complete assemblies of controls, switches, power supplies, relays, and parts/material recommended and approved by manufacturer of automatic operator for each individual leaf. Actuators control both doors simultaneously at pairs. Sequence operation of exterior and vestibule doors with automatic operators to allow ingress or egress through both sets of openings as directed by Architect. Locate actuators, key switches, and other controls as directed by Architect.
11. Provide units with vestibule inputs that allow sequencing operation of two units, and SPDT relay for interfacing with latching or locking devices.

2.20 DOOR TRIM

A. Manufacturers:

1. Scheduled Manufacturer: Ives.
2. Acceptable Manufacturers: Rockwood, Trimco.

B. Requirements:

1. Provide push plates 4 inches (102 mm) wide by 16 inches (406 mm) high by 0.050 inch (1 mm) thick and beveled 4 edges. Where width of door stile prevents use of 4 inches (102 mm) wide plate, adjust width to fit.
2. Provide push bars of solid bar stock, diameter and length as scheduled. Provide push bars of sufficient length to span from center to center of each stile. Where required, mount back to back with pull.
3. Provide offset pulls of solid bar stock, diameter and length as scheduled. Where required, mount back to back with push bar.
4. Provide flush pulls as scheduled. Where required, provide back-to-back mounted model.
5. Provide pulls of solid bar stock, diameter and length as scheduled. Where required, mount back to back with push bar.
6. Provide pull plates 4 inches (102 mm) wide by 16 inches (406 mm) high by 0.050 inch (1 mm) thick, beveled 4 edges, and prepped for pull. Where width of door stile prevents use of 4 inches (102 mm) wide plate, adjust width to fit.
7. Provide wire pulls of solid bar stock, diameter and length as scheduled.
8. Provide decorative pulls as scheduled. Where required, mount back to back with pull.

2.21 PROTECTION PLATES

A. Manufacturers:



1. Scheduled Manufacturer: Ives.
2. Acceptable Manufacturers: Rockwood, Trimco.

B. Requirements:

1. Provide kick plates, mop plates, and armor plates minimum of 0.050 inch (1 mm) thick, beveled four edges as scheduled. Furnish with sheet metal or wood screws, finished to match plates.
2. Sizes of plates:
 - a. Kick Plates: 10 inches (254 mm) high by 1.5 inches (38 mm) less width of door on single doors, 1 inch (25 mm) less width of door on pairs
 - b. Mop Plates: 4 inches (102 mm) high by 1.5 inches (38 mm) less width of door on single doors, 1 inch (25 mm) less width of door on pairs
 - c. Armor Plates: 36 inches (914 mm) high by 1.5 inches (38 mm) less width of door on single doors, 1 inch (25 mm) less width of door on pairs

2.22 OVERHEAD STOPS AND OVERHEAD STOP/HOLDERS

A. Manufacturers:

1. Scheduled Manufacturers: Glynn-Johnson.
2. Acceptable Manufacturers: ABH, Dorma.

B. Requirements:

1. Provide heavy duty concealed mounted overhead stop or holder as specified for exterior and interior vestibule single acting doors.
2. Provide heavy duty concealed mounted overhead stop or holder as specified for double acting doors.
3. Provide heavy or medium duty and concealed or surface mounted overhead stop or holder for interior doors as specified. Provide medium duty surface mounted overhead stop for interior doors and at any door that swings more than 140 degrees before striking wall, open against equipment, casework, sidelights, and where conditions do not allow wall stop or floor stop presents tripping hazard.
4. Where overhead holders are specified provide friction type at doors without closer and positive type at doors with closer.

2.23 DOOR STOPS AND HOLDERS

A. Manufacturers:

1. Scheduled Manufacturer: Ives.
2. Acceptable Manufacturers: Rockwood, Trimco.

B. Provide door stops at each door leaf:

1. Provide wall stops wherever possible. Provide convex type where mortise type locks are used and concave type where cylindrical type locks are used.
2. Where a wall stop cannot be used, provide universal floor stops for low or high rise options.

3. Where wall or floor stop cannot be used, provide medium duty surface mounted overhead stop.

2.24 THRESHOLDS, SEALS, DOOR SWEEPS, AUTOMATIC DOOR BOTTOMS, AND GASKETING

A. Manufacturers:

1. Scheduled Manufacturer: Zero International.
2. Acceptable Manufacturers: National Guard, Reese.

B. Requirements:

1. Provide thresholds, weather-stripping (including door sweeps, seals, and astragals) and gasketing systems (including smoke, sound, and light) as specified and per architectural details. Match finish of other items.
2. Smoke- and Draft-Control Door Assemblies: Where smoke- and draft-control door assemblies are required, provide door hardware that meets requirements of assemblies tested according to UL 1784 and installed in compliance with NFPA 105.
3. Size of thresholds:
 - a. Saddle Thresholds: 1/2 inch (13 mm) high by jamb width by door width
 - b. Bumper Seal Thresholds: 1/2 inch (13 mm) high by 5 inches (127 mm) wide by door width
4. Provide door sweeps, seals, astragals, and auto door bottoms only of type where resilient or flexible seal strip is easily replaceable and readily available.

2.25 SILENCERS

A. Manufacturers:

1. Scheduled Manufacturer: Ives.
2. Acceptable Manufacturers: Rockwood, Trimco.

B. Requirements:

1. Provide "push-in" type silencers for hollow metal or wood frames.
2. Provide one silencer per 30 inches (762 mm) of height on each single frame, and two for each pair frame.
3. Omit where gasketing is specified.

2.26 MAGNETIC HOLDERS

A. Manufacturers:

1. Scheduled Manufacturer: LCN.
2. Acceptable Manufacturers: Rixson, Sargent.

B. Requirements:



1. Provide wall or floor mounted electromagnetic door release as specified with minimum of 25 pounds of holding force. Coordinate projection of holder and armature with other hardware and wall conditions to ensure that door sits parallel to wall when fully open. Connect magnetic holders on fire-rated doors into the fire control panel for fail-safe operation.

2.27 DOOR POSITION SWITCHES

A. Manufacturers:

1. Scheduled Manufacturer: Schlage.
2. Acceptable Manufacturers: GE-Interlogix.

B. Requirements:

1. Provide recessed or surface mounted type door position switches as specified.
2. Coordinate door and frame preparations with door and frame suppliers. If switches are being used with magnetic locking device, provide minimum of 4 inches between switch and magnetic locking device.

2.28 FINISHES

- ### A. Provide finish for each item as indicated in the sets.

3 - EXECUTION

3.01 EXAMINATION

- A. Prior to installation of hardware, examine doors and frames, with Installer present, for compliance with requirements for installation tolerances, labeled fire-rated door assembly construction, wall and floor construction, and other conditions affecting performance.
- B. Examine roughing-in for electrical power systems to verify actual locations of wiring connections before electrified door hardware installation.
- C. Proceed with installation only after unsatisfactory conditions have been corrected.

3.02 INSTALLATION

- A. Mount door hardware units at heights to comply with the following, unless otherwise indicated or required to comply with governing regulations.
 1. Standard Steel Doors and Frames: ANSI/SDI A250.8.
 2. Custom Steel Doors and Frames: HMMA 831.
 3. Wood Doors: DHI WDHS.3, "Recommended Locations for Architectural Hardware for Wood Flush Doors."

4. Installation Guide for Doors and Hardware: DHI TDH-007-20
- B. Install each hardware item in compliance with manufacturer's instructions and recommendations, using only fasteners provided by manufacturer.
- C. Do not install surface mounted items until finishes have been completed on substrate. Protect all installed hardware during painting.
- D. Set units level, plumb and true to line and location. Adjust and reinforce attachment substrate as necessary for proper installation and operation.
- E. Drill and countersink units that are not factory prepared for anchorage fasteners. Space fasteners and anchors according to industry standards.
- F. Install operating parts so they move freely and smoothly without binding, sticking, or excessive clearance.
- G. Hinges: Install types and in quantities indicated in door hardware schedule but not fewer than quantity recommended by manufacturer for application indicated or one hinge for every 30 inches (750 mm) of door height, whichever is more stringent, unless other equivalent means of support for door, such as spring hinges or pivots, are provided.
- H. Lock Cylinders: Install construction cores to secure building and areas during construction period.
 1. Replace construction cores with permanent cores as indicated in keying section.
- I. Wiring: Coordinate with Division 26, ELECTRICAL sections for:
 1. Conduit, junction boxes and wire pulls.
 2. Connections to and from power supplies to electrified hardware.
 3. Connections to fire/smoke alarm system and smoke evacuation system.
 4. Connection of wire to door position switches and wire runs to central room or area, as directed by Architect.
 5. Testing and labeling wires with Architect's opening number.
 6. Connections to panel interface modules, controllers and gateways
- J. Key Control System: Tag keys and place them on markers and hooks in key control system cabinet, as determined by final keying schedule.
- K. Door Closers: Mount closers on room side of corridor doors, inside of exterior doors, and stair side of stairway doors from corridors. Mount closers so they are not visible in corridors, lobbies and other public spaces unless approved by Architect.
- L. Closer/Holders: Mount closer/holders on room side of corridor doors, inside of exterior doors, and stair side of stairway doors.
- M. Power Supplies: Locate power supplies as indicated or, if not indicated, above accessible ceilings or in equipment room, or alternate location as directed by Architect.
- N. Thresholds: Set thresholds in full bed of sealant complying with requirements specified in Division 07 Section "Joint Sealants."



- O. Stops: Provide floor stops for doors unless wall or other type stops are indicated in door hardware schedule. Do not mount floor stops where they may impede traffic or present tripping hazard.
- P. Perimeter Gasketing: Apply to head and jamb, forming seal between door and frame.
- Q. Meeting Stile Gasketing: Fasten to meeting stiles, forming seal when doors are closed.
- R. Door Bottoms and Sweeps: Apply to bottom of door, forming seal with threshold when door is closed.

3.03 FIELD QUALITY CONTROL

- A. Architectural Hardware Consultant: Engage qualified independent Architectural Hardware Consultant to perform inspections and to prepare inspection reports.
 - 1. Architectural Hardware Consultant will inspect door hardware and state in each report whether installed work complies with or deviates from requirements, including whether door hardware is properly installed and adjusted.

3.04 FIELD INSPECTIONS:

- A. Fire Door Assembly Inspection and Testing: Provide functional testing and inspection of fire door assemblies in accordance with NFPA 80-2007/2010. Inspections shall be performed by individuals certified by Intertek as a Fire Door Assembly Inspector, using reporting forms provided by the Door and Hardware Institute (DHI). Alternatively, inspections may be performed by individuals acceptable to the Architect, who have knowledge and understanding of the operating components of the applicable door type, and who have experience in preparing written reports of testing and inspection results.
 - 1. Schedule fire door assembly inspection within 90 days of Substantial Completion of the Project.
 - 2. Submit a signed, written final report as specified in Paragraph 1.4: Submittals.
 - 3. Contractor shall correct all deficiencies and schedule a reinspection of fire door assemblies which were noted as deficient on the inspection report.
 - 4. Inspector shall reinspect fire door assemblies after repairs are made.
 - 5. Additional reinspections which are required due to incomplete repairs will be performed by the inspector at the expense of the Contractor.
- B. Provide inspection of required egress door assemblies by a qualified person in accordance with NFPA 101.
 - 1. Schedule egress door assembly inspection within 90 days of Substantial Completion of the Project for the required openings.
 - 2. Submit a signed, written final report as specified in Paragraph 1.03.E.2.
 - 3. Correct all deficiencies and schedule a reinspection of egress door assemblies noted as deficient on the inspection report.
 - 4. Inspector to reinspect required egress door assemblies after repairs are made.



3.05 ADJUSTING

- A. Initial Adjustment: Adjust and check each operating item of door hardware and each door to ensure proper operation or function of every unit. Replace units that cannot be adjusted to operate as intended. Adjust door control devices to compensate for final operation of heating and ventilating equipment and to comply with referenced accessibility requirements.
 - 1. Electric Strikes: Adjust horizontal and vertical alignment of keeper to properly engage lock bolt.
 - 2. Door Closers: Adjust sweep period to comply with accessibility requirements and requirements of authorities having jurisdiction.
- B. Occupancy Adjustment: Approximately three to six months after date of Substantial Completion, Installer's Architectural Hardware Consultant must examine and readjust each item of door hardware, including adjusting operating forces, as necessary to ensure function of doors and door hardware.

3.06 CLEANING AND PROTECTION

- A. Clean adjacent surfaces soiled by door hardware installation.
- B. Clean operating items as necessary to restore proper function and finish.
- C. Provide final protection and maintain conditions that ensure door hardware is without damage or deterioration at time of Substantial Completion.

3.07 DEMONSTRATION

- A. Provide training for Owner's maintenance personnel to adjust, operate, and maintain door hardware and door hardware finishes. Refer to Division 01 Section "Demonstration and Training."

3.08 DOOR HARDWARE SCHEDULE

- A. The intent of the hardware specification is to specify the hardware for interior and exterior doors, and to establish a type, continuity, and standard of quality. However, it is the door hardware supplier's responsibility to thoroughly review existing conditions, schedules, specifications, drawings, and other Contract Documents to verify the suitability of the hardware specified.
- B. Discrepancies, conflicting hardware, and missing items are to be brought to the attention of the architect with corrections made prior to the bidding process. Omitted items not included in a hardware set should be scheduled with the appropriate additional hardware required for proper application
- C. Hardware items are referenced in the following hardware. Refer to the above-specifications for special features, options, cylinders/keying, and other requirements.

**D. Hardware Sets:**

70344 OPT0255874 Version 1

HARDWARE GROUP NO. 01

For use on Door #(s):

B-122B B-139A

Provide each OPENING with the following:

| QTY | | DESCRIPTION | CATALOG NUMBER | FINISH | MFR |
|-----|----|-------------|-------------------------------|--------|-----|
| 3 | EA | HINGE | 5BB1 4.5 X 4.5 (NRP AS REQ'D) | 652 | IVE |
| 1 | EA | PASSAGE SET | L9010 06N | 626 | SCH |
| 1 | EA | WALL STOP | WS401/402CVX | 626 | IVE |
| 3 | EA | SILENCER | SR64 | GRY | IVE |

HARDWARE GROUP NO. 02

For use on Door #(s):

A-105A A-122A

Provide each OPENING with the following:

| QTY | | DESCRIPTION | CATALOG NUMBER | FINISH | MFR |
|-----|----|----------------|-------------------------------|--------|-----|
| 3 | EA | HINGE | 5BB1 4.5 X 4.5 (NRP AS REQ'D) | 652 | IVE |
| 1 | EA | PRIVACY LOCK | L9040 06N | 626 | SCH |
| 1 | EA | SURFACE CLOSER | 4040XP SCUSH | 689 | LCN |
| 1 | EA | KICK PLATE | 8400 10" X 1 1/2" LDW B-CS | 630 | IVE |
| 1 | EA | GASKETING | 488SCL PSA | CL | ZER |

HARDWARE GROUP NO. 03

For use on Door #(s):

| | | | | | |
|--------|--------|--------|--------|--------|--------|
| A-106A | A-108A | A-109A | A-121A | B-110A | B-111A |
| B-113A | B-115A | B-140E | C-112A | C-113A | D-110A |
| D-111A | E-110A | | | | |

Provide each OPENING with the following:

| QTY | | DESCRIPTION | CATALOG NUMBER | FINISH | MFR |
|-----|----|----------------|-------------------------------|--------|-----|
| 3 | EA | HINGE | 5BB1 4.5 X 4.5 (NRP AS REQ'D) | 652 | IVE |
| 1 | EA | PRIVACY LOCK | L9040 06N | 626 | SCH |
| 1 | EA | SURFACE CLOSER | 4040XP RW/PA | 689 | LCN |
| 1 | EA | KICK PLATE | 8400 10" X 1 1/2" LDW B-CS | 630 | IVE |
| 1 | EA | WALL STOP | WS401/402CVX | 626 | IVE |
| 1 | EA | GASKETING | 488SCL PSA | CL | ZER |

**HARDWARE GROUP NO. 04**

For use on Door #(s):

C-102A

Provide each OPENING with the following:

| QTY | | DESCRIPTION | CATALOG NUMBER | FINISH | MFR |
|-----|----|-------------------|-------------------------------|--------|-----|
| 3 | EA | HINGE | 5BB1 4.5 X 4.5 (NRP AS REQ'D) | 652 | IVE |
| 1 | EA | OFFICE/ENTRY LOCK | L9050T 06N | 626 | SCH |
| 1 | EA | PERMANENT CORE | MATCH EXISTING KEYING SYSTEM | 626 | SCH |
| 1 | EA | OH STOP | 90S | 630 | GLY |
| 3 | EA | SILENCER | SR64 | GRY | IVE |

HARDWARE GROUP NO. 05

For use on Door #(s):

| | | | | | |
|--------|--------|--------|--------|--------|--------|
| A-126A | B-106A | B-109A | B-114A | B-114B | B-122A |
| B-126A | C-105A | D-107A | E-109A | | |

Provide each OPENING with the following:

| QTY | | DESCRIPTION | CATALOG NUMBER | FINISH | MFR |
|-----|----|-------------------|-------------------------------|--------|-----|
| 3 | EA | HINGE | 5BB1 4.5 X 4.5 (NRP AS REQ'D) | 652 | IVE |
| 1 | EA | OFFICE/ENTRY LOCK | L9050T 06N | 626 | SCH |
| 1 | EA | PERMANENT CORE | MATCH EXISTING KEYING SYSTEM | 626 | SCH |
| 1 | EA | WALL STOP | WS401/402CVX | 626 | IVE |
| 3 | EA | SILENCER | SR64 | GRY | IVE |

HARDWARE GROUP NO. 06

For use on Door #(s):

B-103A

Provide each OPENING with the following:

| QTY | | DESCRIPTION | CATALOG NUMBER | FINISH | MFR |
|-----|----|-------------------|-------------------------------|--------|-----|
| 3 | EA | HINGE | 5BB1 4.5 X 4.5 (NRP AS REQ'D) | 652 | IVE |
| 1 | EA | OFFICE/ENTRY LOCK | L9050T 06N | 626 | SCH |
| 1 | EA | PERMANENT CORE | MATCH EXISTING KEYING SYSTEM | 626 | SCH |
| 1 | EA | SURFACE CLOSER | 4040XP RW/PA | 689 | LCN |
| 1 | EA | KICK PLATE | 8400 10" X 1 1/2" LDW B-CS | 630 | IVE |
| 1 | EA | WALL STOP | WS401/402CVX | 626 | IVE |
| 3 | EA | SILENCER | SR64 | GRY | IVE |

**HARDWARE GROUP NO. 07**

For use on Door #(s):

B-107A E-104A E-112A

Provide each OPENING with the following:

| QTY | | DESCRIPTION | CATALOG NUMBER | FINISH | MFR |
|-----|----|----------------|-------------------------------|--------|-----|
| 3 | EA | HINGE | 5BB1 4.5 X 4.5 (NRP AS REQ'D) | 652 | IVE |
| 1 | EA | CLASSROOM LOCK | L9070T 06N | 626 | SCH |
| 1 | EA | PERMANENT CORE | MATCH EXISTING KEYING SYSTEM | 626 | SCH |
| 1 | EA | OH STOP | 90S | 630 | GLY |
| 3 | EA | SILENCER | SR64 | GRY | IVE |

HARDWARE GROUP NO. 08

For use on Door #(s):

B-104A B-105A B-112A B-127A B-132A B-133A
D-106A D-119A

Provide each OPENING with the following:

| QTY | | DESCRIPTION | CATALOG NUMBER | FINISH | MFR |
|-----|----|----------------|-------------------------------|--------|-----|
| 3 | EA | HINGE | 5BB1 4.5 X 4.5 (NRP AS REQ'D) | 652 | IVE |
| 1 | EA | CLASSROOM LOCK | L9070T 06N | 626 | SCH |
| 1 | EA | PERMANENT CORE | MATCH EXISTING KEYING SYSTEM | 626 | SCH |
| 1 | EA | WALL STOP | WS401/402CVX | 626 | IVE |
| 3 | EA | SILENCER | SR64 | GRY | IVE |

HARDWARE GROUP NO. 09

For use on Door #(s):

E-107A E-107B

Provide each OPENING with the following:

| QTY | | DESCRIPTION | CATALOG NUMBER | FINISH | MFR |
|-----|----|------------------|-------------------------------|--------|-----|
| 3 | EA | HINGE | 5BB1 4.5 X 4.5 (NRP AS REQ'D) | 652 | IVE |
| 1 | EA | CLASSROOM LOCK | L9070T 06N | 626 | SCH |
| 1 | EA | PERMANENT CORE | MATCH EXISTING KEYING SYSTEM | 626 | SCH |
| 1 | EA | WALL STOP/HOLDER | WS40 | 626 | IVE |
| 3 | EA | SILENCER | SR64 | GRY | IVE |

**HARDWARE GROUP NO. 10**

For use on Door #(s):

D-104A

Provide each OPENING with the following:

| QTY | | DESCRIPTION | CATALOG NUMBER | FINISH | MFR |
|-----|----|---------------------|-------------------------------|--------|-----|
| 6 | EA | HINGE | 5BB1 4.5 X 4.5 (NRP AS REQ'D) | 652 | IVE |
| 1 | EA | CONST LATCHING BOLT | FB51T/FB61T AS REQ'D | 630 | IVE |
| 1 | EA | CLASSROOM LOCK | L9070T 06N | 626 | SCH |
| 1 | EA | PERMANENT CORE | MATCH EXISTING KEYING SYSTEM | 626 | SCH |
| 2 | EA | OH STOP | 90S | 630 | GLY |
| 2 | EA | SILENCER | SR64 | GRY | IVE |

HARDWARE GROUP NO. 11

For use on Door #(s):

E-101C

Provide each OPENING with the following:

| QTY | | DESCRIPTION | CATALOG NUMBER | FINISH | MFR |
|-----|----|--------------------|---------------------------------|--------|-----|
| 3 | EA | HINGE | 5BB1HW 4.5 X 4.5 (NRP AS REQ'D) | 652 | IVE |
| 1 | EA | CLASSROOM SECURITY | L9071T 06N | 626 | SCH |
| 2 | EA | PERMANENT CORE | MATCH EXISTING KEYING SYSTEM | 626 | SCH |
| 1 | EA | OH STOP | 90S | 630 | GLY |
| 3 | EA | SILENCER | SR64 | GRY | IVE |

HARDWARE GROUP NO. 12

For use on Door #(s):

| | | | | | |
|--------|--------|--------|--------|--------|--------|
| A-103A | A-111A | A-112A | A-113A | A-114A | A-115A |
| A-116A | A-117A | A-118A | A-119A | B-117A | B-118A |
| B-119A | B-138A | B-141A | B-142A | C-103A | C-104A |
| C-106A | C-107A | C-108A | C-109A | C-110A | C-111A |
| C-115A | C-116A | E-105A | | | |

Provide each OPENING with the following:

| QTY | | DESCRIPTION | CATALOG NUMBER | FINISH | MFR |
|-----|----|--------------------|-------------------------------|--------|-----|
| 3 | EA | HINGE | 5BB1 4.5 X 4.5 (NRP AS REQ'D) | 652 | IVE |
| 1 | EA | CLASSROOM SECURITY | L9071T 06N | 626 | SCH |
| 2 | EA | PERMANENT CORE | MATCH EXISTING KEYING SYSTEM | 626 | SCH |
| 1 | EA | WALL STOP | WS401/402CVX | 626 | IVE |
| 3 | EA | SILENCER | SR64 | GRY | IVE |

**HARDWARE GROUP NO. 13**

For use on Door #(s):

D-109A

Provide each OPENING with the following:

| QTY | | DESCRIPTION | CATALOG NUMBER | FINISH | MFR |
|-----|----|----------------|-------------------------------|--------|-----|
| 3 | EA | HINGE | 5BB1 4.5 X 4.5 (NRP AS REQ'D) | 652 | IVE |
| 1 | EA | STOREROOM LOCK | L9080T 06N | 626 | SCH |
| 1 | EA | PERMANENT CORE | MATCH EXISTING KEYING SYSTEM | 626 | SCH |
| 1 | EA | OH STOP | 90S | 630 | GLY |
| 3 | EA | SILENCER | SR64 | GRY | IVE |

HARDWARE GROUP NO. 14

For use on Door #(s):

| | | | | | |
|--------|--------|--------|--------|--------|--------|
| A-124A | B-108A | B-143A | B-144A | C-114A | C-117A |
| C-118A | D-105A | D-114C | D-120A | E-106K | |

Provide each OPENING with the following:

| QTY | | DESCRIPTION | CATALOG NUMBER | FINISH | MFR |
|-----|----|----------------|-------------------------------|--------|-----|
| 3 | EA | HINGE | 5BB1 4.5 X 4.5 (NRP AS REQ'D) | 652 | IVE |
| 1 | EA | STOREROOM LOCK | L9080T 06N | 626 | SCH |
| 1 | EA | PERMANENT CORE | MATCH EXISTING KEYING SYSTEM | 626 | SCH |
| 1 | EA | WALL STOP | WS401/402CVX | 626 | IVE |
| 3 | EA | SILENCER | SR64 | GRY | IVE |

HARDWARE GROUP NO. 15

For use on Door #(s):

D-112A

Provide each OPENING with the following:

| QTY | | DESCRIPTION | CATALOG NUMBER | FINISH | MFR |
|-----|----|----------------|-------------------------------|--------|-----|
| 3 | EA | HINGE | 5BB1 4.5 X 4.5 (NRP AS REQ'D) | 652 | IVE |
| 1 | EA | STOREROOM LOCK | L9080T 06N | 626 | SCH |
| 1 | EA | PERMANENT CORE | MATCH EXISTING KEYING SYSTEM | 626 | SCH |
| 1 | EA | OH STOP | 90S | 630 | GLY |
| 1 | EA | SURFACE CLOSER | 4040XP RW/PA | 689 | LCN |
| 1 | EA | KICK PLATE | 8400 10" X 1 1/2" LDW B-CS | 630 | IVE |
| 3 | EA | SILENCER | SR64 | GRY | IVE |

**HARDWARE GROUP NO. 16**

For use on Door #(s):

B-102A

Provide each OPENING with the following:

| QTY | | DESCRIPTION | CATALOG NUMBER | FINISH | MFR |
|-----|----|-------------------|---|--------|-----|
| 3 | EA | HINGE | 5BB1 4.5 X 4.5 (NRP AS REQ'D) | 652 | IVE |
| 1 | EA | POWER TRANSFER | EPT10 | 689 | VON |
| 1 | EA | EU MORTISE LOCK | L9092TEU 06N RX DPS | 626 | SCH |
| 1 | EA | PERMANENT CORE | MATCH EXISTING KEYING SYSTEM | 626 | SCH |
| 1 | EA | OH STOP | 90S | 630 | GLY |
| 1 | EA | SURFACE CLOSER | 4040XP RW/PA | 689 | LCN |
| 1 | EA | KICK PLATE | 8400 10" X 1 1/2" LDW B-CS | 630 | IVE |
| 1 | EA | CREDENTIAL READER | MTB15 - BY ACCESS CONTROL PROVIDER (COORDINATE W/ HEAD END AND CREDENTIAL TYPE) | BLK | SCE |
| 1 | EA | DESK MOUNT BUTTON | 660-PB | 628 | SCE |
| 1 | EA | POWER SUPPLY | PS902 900-4R [COORDINATE WITH ACCESS CONTROL] | LGR | SCE |
| 1 | EA | DIAGRAM | ELEVATION | | DLR |
| 1 | EA | DIAGRAM | POINT TO POINT | | DLR |

OPERATION: DOOR NORMALLY CLOSED AND LOCKED. VALID CREDENTIAL OR PUSH BUTTON AT RECEPTION DESK MOMENTARILY UNLOCKS DOOR ALLOWING ENTRY. DOOR REMAINS LOCKED UPON LOSS OF POWER. DOOR CONTACT TO MONITOR DOOR POSITION. RX SWITCH SHUNTS DOOR CONTACT FOR VALID EGRESS. FREE EGRESS AT ALL TIMES.

RX SWITCH AND DOOR CONTACT ARE INTEGRAL TO LOCK SET.

HARDWARE GROUP NO. 17

For use on Door #(s):

B-124A

Provide each OPENING with the following:

| QTY | | DESCRIPTION | CATALOG NUMBER | FINISH | MFR |
|-----|----|----------------|-------------------------------|--------|-----|
| 3 | EA | HINGE | 5BB1 4.5 X 4.5 (NRP AS REQ'D) | 652 | IVE |
| 1 | EA | STOREROOM LOCK | L9080T 06N | 626 | SCH |
| 1 | EA | PERMANENT CORE | MATCH EXISTING KEYING SYSTEM | 626 | SCH |
| 1 | EA | SURFACE CLOSER | 4040XP RW/PA | 689 | LCN |
| 1 | EA | KICK PLATE | 8400 10" X 1 1/2" LDW B-CS | 630 | IVE |
| 1 | EA | WALL STOP | WS401/402CVX | 626 | IVE |
| 3 | EA | SILENCER | SR64 | GRY | IVE |

**HARDWARE GROUP NO. 18**

For use on Door #(s):

A-125A

B-102B

B-134A

C-119A

Provide each OPENING with the following:

| QTY | | DESCRIPTION | CATALOG NUMBER | FINISH | MFR |
|-----|----|-------------------|---|--------|-----|
| 3 | EA | HINGE | 5BB1 4.5 X 4.5 (NRP AS REQ'D) | 652 | IVE |
| 1 | EA | POWER TRANSFER | EPT10 | 689 | VON |
| 1 | EA | EU MORTISE LOCK | L9092TEU 06N RX DPS | 626 | SCH |
| 1 | EA | PERMANENT CORE | MATCH EXISTING KEYING SYSTEM | 626 | SCH |
| 1 | EA | SURFACE CLOSER | 4040XP RW/PA | 689 | LCN |
| 1 | EA | KICK PLATE | 8400 10" X 1 1/2" LDW B-CS | 630 | IVE |
| 1 | EA | WALL STOP | WS401/402CVX | 626 | IVE |
| 3 | EA | SILENCER | SR64 | GRY | IVE |
| 1 | EA | CREDENTIAL READER | MTB15 - BY ACCESS CONTROL PROVIDER (COORDINATE W/ HEAD END AND CREDENTIAL TYPE) | BLK | SCE |
| 1 | EA | POWER SUPPLY | PS902 900-4R [COORDINATE WITH ACCESS CONTROL] | LGR | SCE |
| 1 | EA | DIAGRAM | ELEVATION | | DLR |
| 1 | EA | DIAGRAM | POINT TO POINT | | DLR |

OPERATION: DOOR NORMALLY CLOSED AND LOCKED. VALID CREDENTIAL MOMENTARILY UNLOCKS DOOR ALLOWING ENTRY. DOOR REMAINS LOCKED UPON LOSS OF POWER. DOOR CONTACT TO MONITOR DOOR POSITION. RX SWITCH SHUNTS DOOR CONTACT FOR VALID EGRESS. FREE EGRESS AT ALL TIMES.

RX SWITCH AND DOOR CONTACT ARE INTEGRAL TO LOCK SET.

**HARDWARE GROUP NO. 19**

For use on Door #(s):

B-140D

Provide each OPENING with the following:

| QTY | | DESCRIPTION | CATALOG NUMBER | FINISH | MFR |
|-----|----|-------------------|---|--------|-----|
| 3 | EA | HINGE | 5BB1 4.5 X 4.5 (NRP AS REQ'D) | 652 | IVE |
| 1 | EA | POWER TRANSFER | EPT10 | 689 | VON |
| 1 | EA | EU MORTISE LOCK | L9092TEU 06N RX DPS | 626 | SCH |
| 1 | EA | PERMANENT CORE | MATCH EXISTING KEYING SYSTEM | 626 | SCH |
| 1 | EA | SURFACE CLOSER | 4040XP RW/PA | 689 | LCN |
| 1 | EA | KICK PLATE | 8400 10" X 1 1/2" LDW B-CS | 630 | IVE |
| 1 | EA | WALL STOP/HOLDER | WS40 | 626 | IVE |
| 3 | EA | SILENCER | SR64 | GRY | IVE |
| 1 | EA | CREDENTIAL READER | MTB15 - BY ACCESS CONTROL PROVIDER (COORDINATE W/ HEAD END AND CREDENTIAL TYPE) | BLK | SCE |
| 1 | EA | POWER SUPPLY | PS902 900-4R [COORDINATE WITH ACCESS CONTROL] | LGR | SCE |
| 1 | EA | DIAGRAM | ELEVATION | | DLR |
| 1 | EA | DIAGRAM | POINT TO POINT | | DLR |

OPERATION: DOOR NORMALLY CLOSED AND LOCKED. VALID CREDENTIAL MOMENTARILY UNLOCKS DOOR ALLOWING ENTRY. DOOR REMAINS LOCKED UPON LOSS OF POWER. DOOR CONTACT TO MONITOR DOOR POSITION. RX SWITCH SHUNTS DOOR CONTACT FOR VALID EGRESS. FREE EGRESS AT ALL TIMES.

RX SWITCH AND DOOR CONTACT ARE INTEGRAL TO LOCK SET.

HARDWARE GROUP NO. 20

For use on Door #(s):

D-108A

Provide each OPENING with the following:

| QTY | | DESCRIPTION | CATALOG NUMBER | FINISH | MFR |
|-----|----|---------------------|-------------------------------|--------|-----|
| 6 | EA | HINGE | 5BB1 4.5 X 4.5 (NRP AS REQ'D) | 652 | IVE |
| 1 | EA | CONST LATCHING BOLT | FB51T/FB61T AS REQ'D | 630 | IVE |
| 1 | EA | STOREROOM LOCK | L9080T 06N | 626 | SCH |
| 1 | EA | PERMANENT CORE | MATCH EXISTING KEYING SYSTEM | 626 | SCH |
| 1 | EA | OH STOP & HOLDER | 90F | 630 | GLY |
| 1 | EA | WALL STOP | WS401/402CVX | 626 | IVE |
| 2 | EA | SILENCER | SR64 | GRY | IVE |

**HARDWARE GROUP NO. 21**

For use on Door #(s):

E-106G

Provide each OPENING with the following:

| QTY | | DESCRIPTION | CATALOG NUMBER | FINISH | MFR |
|-----|----|---------------------|-------------------------------|--------|-----|
| 6 | EA | HINGE | 5BB1 4.5 X 4.5 (NRP AS REQ'D) | 652 | IVE |
| 1 | EA | CONST LATCHING BOLT | FB51T/FB61T AS REQ'D | 630 | IVE |
| 1 | EA | STOREROOM LOCK | L9080T 06N | 626 | SCH |
| 1 | EA | PERMANENT CORE | MATCH EXISTING KEYING SYSTEM | 626 | SCH |
| 2 | EA | WALL STOP | WS401/402CVX | 626 | IVE |
| 2 | EA | SILENCER | SR64 | GRY | IVE |

HARDWARE GROUP NO. 22

For use on Door #(s):

B-140A

Provide each OPENING with the following:

| QTY | | DESCRIPTION | CATALOG NUMBER | FINISH | MFR |
|-----|----|-------------------|---|--------|-----|
| 6 | EA | HINGE | 5BB1 4.5 X 4.5 (NRP AS REQ'D) | 652 | IVE |
| 1 | EA | POWER TRANSFER | EPT10 | 689 | VON |
| 1 | EA | EU MORTISE LOCK | L9092TEU 06N RX DPS | 626 | SCH |
| 1 | EA | PERMANENT CORE | MATCH EXISTING KEYING SYSTEM | 626 | SCH |
| 1 | EA | COORDINATOR | COR X FL (MB/MBF AS REQ'D) | 628 | IVE |
| 2 | EA | OH STOP & HOLDER | 90H | 630 | GLY |
| 2 | EA | SURFACE CLOSER | 4040XP RW/PA | 689 | LCN |
| 2 | EA | KICK PLATE | 8400 10" X 1" LDW B-CS | 630 | IVE |
| 2 | EA | SILENCER | SR64 | GRY | IVE |
| 1 | EA | CREDENTIAL READER | MTB15 - BY ACCESS CONTROL PROVIDER (COORDINATE W/ HEAD END AND CREDENTIAL TYPE) | BLK | SCE |
| 1 | EA | POWER SUPPLY | PS902 900-4R [COORDINATE WITH ACCESS CONTROL] | LGR | SCE |
| 1 | EA | DIAGRAM | ELEVATION | | DLR |
| 1 | EA | DIAGRAM | POINT TO POINT | | DLR |

OPERATION: DOOR NORMALLY CLOSED AND LOCKED. VALID CREDENTIAL MOMENTARILY UNLOCKS DOOR ALLOWING ENTRY. DOOR REMAINS LOCKED UPON LOSS OF POWER. DOOR CONTACT TO MONITOR DOOR POSITION. RX SWITCH SHUNTS DOOR CONTACT FOR VALID EGRESS. FREE EGRESS AT ALL TIMES.

RX SWITCH AND DOOR CONTACT ARE INTEGRAL TO LOCK SET.

**HARDWARE GROUP NO. 23**

For use on Door #(s):

B-128A

Provide each OPENING with the following:

| QTY | | DESCRIPTION | CATALOG NUMBER | FINISH | MFR |
|-----|----|---------------------|-------------------------------|--------|-----|
| 6 | EA | HINGE | 5BB1 4.5 X 4.5 (NRP AS REQ'D) | 652 | IVE |
| 1 | EA | CONST LATCHING BOLT | FB51T/FB61T AS REQ'D | 630 | IVE |
| 1 | EA | STOREROOM LOCK | L9080T 06N | 626 | SCH |
| 1 | EA | PERMANENT CORE | MATCH EXISTING KEYING SYSTEM | 626 | SCH |
| 1 | EA | COORDINATOR | COR X FL (MB/MBF AS REQ'D) | 628 | IVE |
| 2 | EA | OH STOP & HOLDER | 90H | 630 | GLY |
| 2 | EA | SURFACE CLOSER | 4040XP RW/PA | 689 | LCN |
| 2 | EA | KICK PLATE | 8400 10" X 1" LDW B-CS | 630 | IVE |
| 2 | EA | SILENCER | SR64 | GRY | IVE |

**HARDWARE GROUP NO. 24**

For use on Door #(s):

D-113A

Provide each OPENING with the following:

| QTY | | DESCRIPTION | CATALOG NUMBER | FINISH | MFR |
|-----|----|-------------------------------------|---|--------|-----|
| 1 | EA | CONT. HINGE | 112XY | 628 | IVE |
| 1 | EA | CONT. HINGE | 112XY EPT | 628 | IVE |
| 1 | EA | POWER TRANSFER | EPT10 | 689 | VON |
| 1 | EA | AUTO FLUSH BOLT | FB31P/FB41P AS REQ'D | 630 | IVE |
| 1 | EA | DUST PROOF STRIKE | DP2 | 626 | IVE |
| 1 | EA | EU MORTISE LOCK | L9092TEU 06N RX DPS | 626 | SCH |
| 1 | EA | PERMANENT CORE | MATCH EXISTING KEYING SYSTEM | 626 | SCH |
| 1 | EA | COORDINATOR | COR X FL (MB/MBF AS REQ'D) | 628 | IVE |
| 2 | EA | SURFACE CLOSER | 4040XP SCUSH | 689 | LCN |
| 2 | EA | MOUNTING PLATE | 4040XP-18PA AS REQ'D | 689 | LCN |
| 2 | EA | CUSH SHOE SUPPORT | 4040XP-30 AS REQ'D | 689 | LCN |
| 2 | EA | BLADE STOP SPACER | 4040XP-61 AS REQ'D | 689 | LCN |
| 1 | EA | RAIN DRIP | 142AA | AA | ZER |
| 1 | | WEATHERSTRIP BY DOOR/FRAME SUPPLIER | | | |
| 2 | EA | DOOR SWEEP | 39A | A | ZER |
| 1 | EA | THRESHOLD | 65A | A | ZER |
| 1 | EA | CREDENTIAL READER | MTB15 - BY ACCESS CONTROL PROVIDER (COORDINATE W/ HEAD END AND CREDENTIAL TYPE) | BLK | SCE |
| 1 | EA | POWER SUPPLY | PS902 900-4R [COORDINATE WITH ACCESS CONTROL] | LGR | SCE |
| 1 | EA | DIAGRAM | ELEVATION | | DLR |
| 1 | EA | DIAGRAM | POINT TO POINT | | DLR |

OPERATION: DOOR NORMALLY CLOSED AND LOCKED. VALID CREDENTIAL MOMENTARILY UNLOCKS DOOR ALLOWING ENTRY. DOOR REMAINS LOCKED UPON LOSS OF POWER. DOOR CONTACT TO MONITOR DOOR POSITION. RX SWITCH SHUNTS DOOR CONTACT FOR VALID EGRESS. FREE EGRESS AT ALL TIMES.

RX SWITCH AND DOOR CONTACT ARE INTEGRAL TO LOCK SET.

NOTE: DOORS REQUIRE SPECIAL 3/8" INCH UNDERCUT FOR ADA TYPE THRESHOLD.

**HARDWARE GROUP NO. 25**

For use on Door #(s):

A-101B

D-101B

D-114B

E-101B

Provide each OPENING with the following:

| QTY | | DESCRIPTION | CATALOG NUMBER | FINISH | MFR |
|-----|----|--------------------|----------------------|--------|-----|
| 2 | EA | CONT. HINGE | 112XY | 628 | IVE |
| 2 | EA | DUMMY PUSH BAR | 350 | 626 | VON |
| 2 | EA | 90 DEG OFFSET PULL | 8190HD 12" O | 630 | IVE |
| 2 | EA | SURFACE CLOSER | 4040XP SCUSH | 689 | LCN |
| 2 | EA | MOUNTING PLATE | 4040XP-18PA AS REQ'D | 689 | LCN |
| 2 | EA | CUSH SHOE SUPPORT | 4040XP-30 AS REQ'D | 689 | LCN |
| 2 | EA | BLADE STOP SPACER | 4040XP-61 AS REQ'D | 689 | LCN |

HARDWARE GROUP NO. 26

For use on Door #(s):

D-103C

Provide each OPENING with the following:

| QTY | | DESCRIPTION | CATALOG NUMBER | FINISH | MFR |
|-----|----|-------------------------------------|----------------------|--------|-----|
| 1 | EA | CONT. HINGE | 112XY EPT | 628 | IVE |
| 1 | EA | POWER TRANSFER | EPT10 | 689 | VON |
| 1 | EA | ELEC PANIC HARDWARE | RX-99-EO | 626 | VON |
| 1 | EA | SURFACE CLOSER | 4040XP SCUSH | 689 | LCN |
| 1 | EA | MOUNTING PLATE | 4040XP-18PA AS REQ'D | 689 | LCN |
| 1 | EA | CUSH SHOE SUPPORT | 4040XP-30 AS REQ'D | 689 | LCN |
| 1 | EA | BLADE STOP SPACER | 4040XP-61 AS REQ'D | 689 | LCN |
| 1 | EA | RAIN DRIP | 142AA | AA | ZER |
| 1 | | WEATHERSTRIP BY DOOR/FRAME SUPPLIER | | | |
| 1 | EA | DOOR SWEEP | 39A | A | ZER |
| 1 | EA | THRESHOLD | 65A | A | ZER |
| 1 | EA | DOOR CONTACT | 7764 | 628 | SCE |
| 1 | EA | DIAGRAM | ELEVATION | | DLR |
| 1 | EA | DIAGRAM | POINT TO POINT | | DLR |

OPERATION: DOOR CONTACT TO MONITOR DOOR POSITION. RX SWITCH IN EXIT DEVICE PUSH PAD SHUNTS DOOR CONTACT FOR VALID EGRESS. FREE EGRESS AT ALL TIMES.

NOTE: DOORS REQUIRE SPECIAL 3/8" INCH UNDERCUT FOR ADA TYPE THRESHOLD.

**HARDWARE GROUP NO. 27**

For use on Door #(s):

B-101B

Provide each OPENING with the following:

| QTY | | DESCRIPTION | CATALOG NUMBER | FINISH | MFR |
|-----|----|--|--|--------|-----|
| 2 | EA | CONT. HINGE | 112XY EPT | 628 | IVE |
| 2 | EA | POWER TRANSFER | EPT10 | 689 | VON |
| 1 | EA | REMOVABLE MULLION | KR4954 | 689 | VON |
| 2 | EA | ELEC PANIC HARDWARE | RX-QEL-99-EO 24 VDC | 626 | VON |
| 1 | EA | MORTISE CYLINDER | 26-094 | 626 | SCH |
| 1 | EA | PERMANENT CORE | MATCH EXISTING KEYING SYSTEM | 626 | SCH |
| 2 | EA | 90 DEG OFFSET PULL | 8190HD 12" O | 630 | IVE |
| 2 | EA | SURFACE CLOSER | 4040XP SCUSH | 689 | LCN |
| 2 | EA | MOUNTING PLATE | 4040XP-18PA AS REQ'D | 689 | LCN |
| 2 | EA | CUSH SHOE SUPPORT | 4040XP-30 AS REQ'D | 689 | LCN |
| 2 | EA | BLADE STOP SPACER | 4040XP-61 AS REQ'D | 689 | LCN |
| 1 | EA | MULLION SEAL | 8780NBK | BK | ZER |
| 1 | | WEATHERSTRIP BY DOOR/FRAME SUPPLIER | | | |
| 2 | EA | DOOR SWEEP | 39A | A | ZER |
| 1 | EA | THRESHOLD | 65A | A | ZER |
| 2 | EA | DOOR CONTACT | 7764 | 628 | SCE |
| 1 | EA | POWER SUPPLY | PS904 900-2RS [COORDINATE WITH ACCESS CONTROL PROVIDER] | | VON |
| 1 | EA | DIAGRAM | ELEVATION | | DLR |
| 1 | EA | DIAGRAM | POINT TO POINT | | DLR |

OPERATION: DOORS NORMALLY CLOSED AND LOCKED. DOORS CAN BE LEFT UNLOCKED AS PROGRAMMED BY ACCESS CONTROL. RX SWITCH IN EXIT DEVICE PUSH PADS SHUNT DOOR CONTACT FOR VALID EGRESS. FREE EGRESS AT ALL TIMES.

NOTE: DOORS REQUIRE SPECIAL 3/8" INCH UNDERCUT FOR ADA TYPE THRESHOLD.

**HARDWARE GROUP NO. 28**

For use on Door #(s):

B-101D

Provide each OPENING with the following:

| QTY | | DESCRIPTION | CATALOG NUMBER | FINISH | MFR |
|-----|----|---------------------|---|--------|-----|
| 2 | EA | CONT. HINGE | 112XY EPT | 628 | IVE |
| 2 | EA | POWER TRANSFER | EPT10 | 689 | VON |
| 1 | EA | REMOVABLE MULLION | KR4954 | 689 | VON |
| 2 | EA | ELEC PANIC HARDWARE | RX-QEL-99-EO 24 VDC | 626 | VON |
| 1 | EA | MORTISE CYLINDER | 26-094 | 626 | SCH |
| 1 | EA | PERMANENT CORE | MATCH EXISTING KEYING SYSTEM | 626 | SCH |
| 2 | EA | 90 DEG OFFSET PULL | 8190HD 12" O | 630 | IVE |
| 2 | EA | SURFACE CLOSER | 4040XP SCUSH | 689 | LCN |
| 2 | EA | MOUNTING PLATE | 4040XP-18PA AS REQ'D | 689 | LCN |
| 2 | EA | CUSH SHOE SUPPORT | 4040XP-30 AS REQ'D | 689 | LCN |
| 2 | EA | BLADE STOP SPACER | 4040XP-61 AS REQ'D | 689 | LCN |
| 1 | EA | MULLION SEAL | 8780NBK | BK | ZER |
| 2 | EA | DOOR CONTACT | 7764 | 628 | SCE |
| 1 | EA | POWER SUPPLY | PS904 900-2RS [COORDINATE WITH ACCESS CONTROL PROVIDER] | | VON |
| 1 | EA | DIAGRAM | ELEVATION | | DLR |
| 1 | EA | DIAGRAM | POINT TO POINT | | DLR |

OPERATION: DOORS NORMALLY CLOSED AND LOCKED. DOORS CAN BE LEFT UNLOCKED AS PROGRAMMED BY ACCESS CONTROL. DOOR CONTACTS TO MONITOR DOOR POSITION. RX SWITCH IN EXIT DEVICE PUSH PADS SHUNT DOOR CONTACT FOR VALID EGRESS. FREE EGRESS AT ALL TIMES.

HARDWARE GROUP NO. 29

For use on Door #(s):

B-125A D-103A

Provide each OPENING with the following:

| QTY | | DESCRIPTION | CATALOG NUMBER | FINISH | MFR |
|-----|----|----------------|-------------------------------|--------|-----|
| 6 | EA | HINGE | 5BB1 4.5 X 4.5 (NRP AS REQ'D) | 652 | IVE |
| 1 | EA | PANIC HARDWARE | 9947WDC-EO-LBR-SNB | 626 | VON |
| 1 | EA | PANIC HARDWARE | 9947WDC-L-2-LBR-06-SNB | 626 | VON |
| 2 | EA | RIM HOUSING | 20-079 | 626 | SCH |
| 2 | EA | PERMANENT CORE | MATCH EXISTING KEYING SYSTEM | 626 | SCH |
| 2 | EA | SURFACE CLOSER | 4040XP SCUSH | 689 | LCN |
| 2 | EA | KICK PLATE | 8400 10" X 1" LDW B-CS | 630 | IVE |
| 2 | EA | SILENCER | SR64 | GRY | IVE |

**HARDWARE GROUP NO. 30**

For use on Door #(s):

D-118A E-106A

Provide each OPENING with the following:

| QTY | | DESCRIPTION | CATALOG NUMBER | FINISH | MFR |
|-----|----|----------------|-------------------------------|--------|-----|
| 6 | EA | HINGE | 5BB1 4.5 X 4.5 (NRP AS REQ'D) | 652 | IVE |
| 1 | EA | PANIC HARDWARE | 9947WDC-EO-LBR-SNB | 626 | VON |
| 1 | EA | PANIC HARDWARE | 9947WDC-L-2-LBR-06-SNB | 626 | VON |
| 2 | EA | RIM HOUSING | 20-079 | 626 | SCH |
| 2 | EA | PERMANENT CORE | MATCH EXISTING KEYING SYSTEM | 626 | SCH |
| 2 | EA | SURFACE CLOSER | 4040XP SHCUSH | 689 | LCN |
| 2 | EA | KICK PLATE | 8400 10" X 1" LDW B-CS | 630 | IVE |
| 2 | EA | SILENCER | SR64 | GRY | IVE |

HARDWARE GROUP NO. 31

For use on Door #(s):

B-129A

Provide each OPENING with the following:

| QTY | | DESCRIPTION | CATALOG NUMBER | FINISH | MFR |
|-----|----|----------------|---------------------------------|--------|-----|
| 3 | EA | HINGE | 5BB1HW 4.5 X 4.5 (NRP AS REQ'D) | 652 | IVE |
| 1 | EA | PANIC HARDWARE | 99-L-BE-06 | 626 | VON |
| 1 | EA | SURFACE CLOSER | 4040XP SCUSH | 689 | LCN |
| 1 | EA | KICK PLATE | 8400 10" X 1 1/2" LDW B-CS | 630 | IVE |
| 3 | EA | SILENCER | SR64 | GRY | IVE |

**HARDWARE GROUP NO. 32**

For use on Door #(s):

D-117A

Provide each OPENING with the following:

| QTY | | DESCRIPTION | CATALOG NUMBER | FINISH | MFR |
|-----|----|---------------------|---|--------|-----|
| 2 | EA | CONT. HINGE | 224HD EPT | 628 | IVE |
| 2 | EA | POWER TRANSFER | EPT10 | 689 | VON |
| 1 | EA | ELEC PANIC HARDWARE | RX-QEL-9950WDC-DT-LBL-SNB 24 VDC | 626 | VON |
| 1 | EA | ELEC PANIC HARDWARE | RX-QEL-9950WDC-NL-LBL-SNB 24 VDC | 626 | VON |
| 1 | EA | RIM HOUSING | 20-079 | 626 | SCH |
| 1 | EA | PERMANENT CORE | MATCH EXISTING KEYING SYSTEM | 626 | SCH |
| 2 | EA | SURFACE CLOSER | 4040XP RW/PA | 689 | LCN |
| 2 | EA | KICK PLATE | 8400 10" X 1" LDW B-CS | 630 | IVE |
| 2 | EA | FIRE/LIFE WALL MAG | SEM7800 SERIES AS REQ'D | 689 | LCN |
| 2 | EA | SILENCER | SR64 | GRY | IVE |
| 1 | EA | CREDENTIAL READER | MTB15 - BY ACCESS CONTROL PROVIDER (COORDINATE W/ HEAD END AND CREDENTIAL TYPE) | BLK | SCE |
| 1 | EA | AI PHONE | BY ACCESS CONTROL PROVIDER | | |
| 2 | EA | DOOR CONTACT | 679-05HM/679-05WD AS REQ'D | BLK | SCE |
| 1 | EA | POWER SUPPLY | PS904 900-2RS [COORDINATE WITH ACCESS CONTROL PROVIDER] | | VON |
| 1 | EA | DIAGRAM | ELEVATION | | DLR |
| 1 | EA | DIAGRAM | POINT TO POINT | | DLR |

OPERATION: DOOR NORMALLY HELD OPEN BY MAGNETIC HOLD OPENS. UPON LOSS OF POWER OR RELEASE FROM AI PHONE AT RECEPTION DESNK, DOORS WILL BE CLOSED AND LOCKED.

WHEN LOCKED: VALID CREDENTIAL MOMENTARILY UNLOCKS DOOR ALLOWING ACCESS. DOOR REMAINS LOCKED UPON LOSS OF POWER. RX SWITCHES IN EXIT DEVICE PUSH PADS SHUNT DOOR CONTACT FOR VALID EGRESS. FREE EGRESS AT ALL TIMES.

**HARDWARE GROUP NO. 33**

For use on Door #(s):

B-129B

Provide each OPENING with the following:

| QTY | | DESCRIPTION | CATALOG NUMBER | FINISH | MFR |
|-----|----|-------------------------------------|------------------------------|--------|-----|
| 1 | EA | CONT. HINGE | 112XY EPT | 628 | IVE |
| 1 | EA | POWER TRANSFER | EPT10 | 689 | VON |
| 1 | EA | ELEC PANIC HARDWARE | RX-99-NL | 626 | VON |
| 1 | EA | RIM HOUSING | 20-079 | 626 | SCH |
| 1 | EA | PERMANENT CORE | MATCH EXISTING KEYING SYSTEM | 626 | SCH |
| 1 | EA | SURFACE CLOSER | 4040XP SCUSH | 689 | LCN |
| 1 | EA | MOUNTING PLATE | 4040XP-18PA AS REQ'D | 689 | LCN |
| 1 | EA | CUSH SHOE SUPPORT | 4040XP-30 AS REQ'D | 689 | LCN |
| 1 | EA | BLADE STOP SPACER | 4040XP-61 AS REQ'D | 689 | LCN |
| 1 | EA | RAIN DRIP | 142AA | AA | ZER |
| 1 | | WEATHERSTRIP BY DOOR/FRAME SUPPLIER | | | |
| 1 | EA | DOOR SWEEP | 39A | A | ZER |
| 1 | EA | THRESHOLD | 65A | A | ZER |
| 1 | EA | DOOR CONTACT | 7764 | 628 | SCE |
| 1 | EA | DIAGRAM | ELEVATION | | DLR |
| 1 | EA | DIAGRAM | POINT TO POINT | | DLR |

OPERATION: DOOR CONTACT TO MONITOR DOOR POSITION. RX SWITCH IN EXIT DEVICE PUSH PAD SHUNTS DOOR CONTACT FOR VALID EGRESS. FREE EGRESS AT ALL TIMES.

NOTE: DOORS REQUIRE SPECIAL 3/8" INCH UNDERCUT FOR ADA TYPE THRESHOLD.



HARDWARE GROUP NO. 34

For use on Door #(s):

B-131B

E-103B

Provide each OPENING with the following:

| QTY | | DESCRIPTION | CATALOG NUMBER | FINISH | MFR |
|-----|----|-------------------------------------|------------------------------|--------|-----|
| 1 | EA | CONT. HINGE | 112XY EPT | 628 | IVE |
| 1 | EA | POWER TRANSFER | EPT10 | 689 | VON |
| 1 | EA | ELEC PANIC HARDWARE | CD-RX-99-NL | 626 | VON |
| 1 | EA | RIM HOUSING | 20-079 | 626 | SCH |
| 1 | EA | MORTISE CYLINDER | 26-094 XQ11-948 36-083 | 626 | SCH |
| 2 | EA | PERMANENT CORE | MATCH EXISTING KEYING SYSTEM | 626 | SCH |
| 1 | EA | SURFACE CLOSER | 4040XP SCUSH | 689 | LCN |
| 1 | EA | MOUNTING PLATE | 4040XP-18PA AS REQ'D | 689 | LCN |
| 1 | EA | CUSH SHOE SUPPORT | 4040XP-30 AS REQ'D | 689 | LCN |
| 1 | EA | BLADE STOP SPACER | 4040XP-61 AS REQ'D | 689 | LCN |
| 1 | EA | RAIN DRIP | 142AA | AA | ZER |
| 1 | | WEATHERSTRIP BY DOOR/FRAME SUPPLIER | | | |
| 1 | EA | DOOR SWEEP | 39A | A | ZER |
| 1 | EA | THRESHOLD | 65A | A | ZER |
| 1 | EA | DOOR CONTACT | 7764 | 628 | SCE |
| 1 | EA | DIAGRAM | ELEVATION | | DLR |
| 1 | EA | DIAGRAM | POINT TO POINT | | DLR |

OPERATION: DOOR CONTACT TO MONITOR DOOR POSITION. RX SWITCH IN EXIT DEVICE PUSH PAD SHUNTS DOOR CONTACT FOR VALID EGRESS. FREE EGRESS AT ALL TIMES.

NOTE: DOORS REQUIRE SPECIAL 3/8" INCH UNDERCUT FOR ADA TYPE THRESHOLD.

**HARDWARE GROUP NO. 35**

For use on Door #(s):

D-103B

Provide each OPENING with the following:

| QTY | | DESCRIPTION | CATALOG NUMBER | FINISH | MFR |
|-----|----|-------------------------------------|------------------------------|--------|-----|
| 2 | EA | CONT. HINGE | 112XY EPT | 628 | IVE |
| 2 | EA | POWER TRANSFER | EPT10 | 689 | VON |
| 1 | EA | REMOVABLE MULLION | KR4954 | 689 | VON |
| 1 | EA | ELEC PANIC HARDWARE | CD-RX-99-DT | 626 | VON |
| 1 | EA | ELEC PANIC HARDWARE | CD-RX-99-NL | 626 | VON |
| 1 | EA | MULLION STORAGE KIT | MT54 | 689 | VON |
| 1 | EA | RIM HOUSING | 20-079 | 626 | SCH |
| 1 | EA | MORTISE CYLINDER | 26-094 | 626 | SCH |
| 2 | EA | MORTISE CYLINDER | 26-094 XQ11-948 36-083 | 626 | SCH |
| 4 | EA | PERMANENT CORE | MATCH EXISTING KEYING SYSTEM | 626 | SCH |
| 2 | EA | SURFACE CLOSER | 4040XP SCUSH | 689 | LCN |
| 2 | EA | MOUNTING PLATE | 4040XP-18PA AS REQ'D | 689 | LCN |
| 2 | EA | CUSH SHOE SUPPORT | 4040XP-30 AS REQ'D | 689 | LCN |
| 2 | EA | BLADE STOP SPACER | 4040XP-61 AS REQ'D | 689 | LCN |
| 1 | EA | RAIN DRIP | 142AA | AA | ZER |
| 1 | EA | MULLION SEAL | 8780NBK | BK | ZER |
| 1 | | WEATHERSTRIP BY DOOR/FRAME SUPPLIER | | | |
| 2 | EA | DOOR SWEEP | 39A | A | ZER |
| 1 | EA | THRESHOLD | 65A | A | ZER |
| 2 | EA | DOOR CONTACT | 7764 | 628 | SCE |
| 1 | EA | DIAGRAM | ELEVATION | | DLR |
| 1 | EA | DIAGRAM | POINT TO POINT | | DLR |

OPERATION: DOOR CONTACTS TO MONITOR DOOR POSITION. RX SWITCH IN EXIT DEVICE PUSH PADS SHUNT DOOR CONTACT FOR VALID EGRESS. FREE EGRESS AT ALL TIMES.

NOTE: DOORS REQUIRE SPECIAL 3/8" INCH UNDERCUT FOR ADA TYPE THRESHOLD.

**HARDWARE GROUP NO. 36**

For use on Door #(s):

E-108A

Provide each OPENING with the following:

| QTY | | DESCRIPTION | CATALOG NUMBER | FINISH | MFR |
|-----|----|-------------------------------------|---|--------|-----|
| 1 | EA | CONT. HINGE | 112XY EPT | 628 | IVE |
| 1 | EA | POWER TRANSFER | EPT10 | 689 | VON |
| 1 | EA | ELEC PANIC HARDWARE | RX-QEL-99-NL 24 VDC | 626 | VON |
| 1 | EA | RIM HOUSING | 20-079 | 626 | SCH |
| 1 | EA | PERMANENT CORE | MATCH EXISTING KEYING SYSTEM | 626 | SCH |
| 1 | EA | SURFACE CLOSER | 4040XP SHCUSH | 689 | LCN |
| 1 | EA | MOUNTING PLATE | 4040XP-18PA AS REQ'D | 689 | LCN |
| 1 | EA | CUSH SHOE SUPPORT | 4040XP-30 AS REQ'D | 689 | LCN |
| 1 | EA | BLADE STOP SPACER | 4040XP-61 AS REQ'D | 689 | LCN |
| 1 | EA | RAIN DRIP | 142AA | AA | ZER |
| 1 | | WEATHERSTRIP BY DOOR/FRAME SUPPLIER | | | |
| 1 | EA | DOOR SWEEP | 39A | A | ZER |
| 1 | EA | THRESHOLD | 65A | A | ZER |
| 1 | EA | CREDENTIAL READER | MTB15 - BY ACCESS CONTROL PROVIDER (COORDINATE W/ HEAD END AND CREDENTIAL TYPE) | BLK | SCE |
| 1 | EA | DOOR CONTACT | 7764 | 628 | SCE |
| 1 | EA | POWER SUPPLY | PS902 900-4R [COORDINATE WITH ACCESS CONTROL] | LGR | SCE |
| 1 | EA | DIAGRAM | ELEVATION | | DLR |
| 1 | EA | DIAGRAM | POINT TO POINT | | DLR |

OPERATION: DOOR NORMALLY CLOSED AND LOCKED. DOORS CAN BE LEFT UNLOCKED AS PROGRAMMED BY ACCESS CONTROL. WHEN LOCKED: VALID CREDENTIAL MOMENTARILY RETRACTS ELECTRIC LATCH ALLOWING ENTRY. DOOR CONTACT TO MONITOR DOOR POSITION. RX SWITCH IN EXIT DEVICE PUSH PAD SHUNTS DOOR CONTACT FOR VALID EGRESS. FREE EGRESS AT ALL TIMES.

NOTE: DOORS REQUIRE SPECIAL 3/8" INCH UNDERCUT FOR ADA TYPE THRESHOLD.

**HARDWARE GROUP NO. 37**

For use on Door #(s):

B-101A

Provide each OPENING with the following:

| QTY | | DESCRIPTION | CATALOG NUMBER | FINISH | MFR |
|-----|----|--|---|--------|-----|
| 2 | EA | CONT. HINGE | 112XY EPT | 628 | IVE |
| 2 | EA | POWER TRANSFER | EPT10 | 689 | VON |
| 1 | EA | REMOVABLE MULLION | KR4954 | 689 | VON |
| 1 | EA | ELEC PANIC HARDWARE | RX-QEL-99-EO 24 VDC | 626 | VON |
| 1 | EA | ELEC PANIC HARDWARE | RX-QEL-99-NL-OP-110MD 24 VDC | 626 | VON |
| 1 | EA | RIM HOUSING | 20-079 | 626 | SCH |
| 1 | EA | MORTISE CYLINDER | 26-094 | 626 | SCH |
| 2 | EA | PERMANENT CORE | MATCH EXISTING KEYING SYSTEM | 626 | SCH |
| 2 | EA | 90 DEG OFFSET PULL | 8190HD 12" O | 630 | IVE |
| 1 | EA | SURFACE CLOSER | 4040XP SCUSH | 689 | LCN |
| 1 | EA | SURF. AUTO OPERATOR | 4642 TBWMS | 689 | LCN |
| 1 | EA | MOUNTING PLATE | 4040XP-18PA AS REQ'D | 689 | LCN |
| 1 | EA | CUSH SHOE SUPPORT | 4040XP-30 AS REQ'D | 689 | LCN |
| 1 | EA | BLADE STOP SPACER | 4040XP-61 AS REQ'D | 689 | LCN |
| 2 | EA | ACTUATOR, TOUCH | 8310-853T | 630 | LCN |
| 1 | EA | BOLLARD POST | 8310-866 | AL | LCN |
| 1 | EA | MULLION SEAL | 8780NBK | BK | ZER |
| 1 | | WEATHERSTRIP BY DOOR/FRAME SUPPLIER | | | |
| 2 | EA | DOOR SWEEP | 39A | A | ZER |
| 1 | EA | THRESHOLD | 65A | A | ZER |
| 1 | EA | CREDENTIAL READER | MTB15 - BY ACCESS CONTROL PROVIDER (COORDINATE W/ HEAD END AND CREDENTIAL TYPE) | BLK | SCE |
| 1 | EA | AI PHONE | BY ACCESS CONTROL PROVIDER | | |
| 2 | EA | DOOR CONTACT | 7764 | 628 | SCE |
| 1 | EA | POWER SUPPLY | PS904 900-4RL [COORDINATE WITH ACCESS CONTROL PROVIDER] | LGR | SCE |
| 1 | EA | DIAGRAM | ELEVATION | | DLR |
| 1 | EA | DIAGRAM | POINT TO POINT | | DLR |



OPERATION: DOORS NORMALLY CLOSED AND LOCKED. DOORS CAN BE LEFT UNLOCKED AS PROGRAMMED BY ACCESS CONTROL. DOOR CONTACTS TO MONITOR DOOR POSITION. RX SWITCH IN EXIT DEVICE PUSH PADS SHUNT DOOR CONTACT FOR VALID EGRESS. FREE EGRESS AT ALL TIMES.

UNLOCKED HOURS: PRESSING EITHER ACTUATOR CYCLES AUTOMATIC OPERATOR AND MOMENTARILY OPENS DOOR.

LOCKED HOURS: VALID CREDENTIAL OR AI PHONE MOMENTARILY UNLOCKS DOOR AND ACTIVATES EXTERIOR ACTUATOR. WHEN ACTIVE, PRESSING EXTERIOR ACTUATOR CYCLES AUTOMATIC OPERATOR AND MONETARILY OPENS DOOR. INTERIOR ACTUATOR ALWAYS ACTIVE.

NOTE: DOORS REQUIRE SPECIAL 3/8" INCH UNDERCUT FOR ADA TYPE THRESHOLD.

HARDWARE GROUP NO. 38

For use on Door #(s):

B-101C

Provide each OPENING with the following:

| QTY | | DESCRIPTION | CATALOG NUMBER | FINISH | MFR |
|-----|----|---------------------|---|--------|-----|
| 2 | EA | CONT. HINGE | 112XY EPT | 628 | IVE |
| 2 | EA | POWER TRANSFER | EPT10 | 689 | VON |
| 1 | EA | REMOVABLE MULLION | KR4954 | 689 | VON |
| 1 | EA | ELEC PANIC HARDWARE | RX-QEL-99-EO 24 VDC | 626 | VON |
| 1 | EA | ELEC PANIC HARDWARE | RX-QEL-99-NL-OP-110MD 24 VDC | 626 | VON |
| 1 | EA | RIM HOUSING | 20-079 | 626 | SCH |
| 1 | EA | MORTISE CYLINDER | 26-094 | 626 | SCH |
| 2 | EA | PERMANENT CORE | MATCH EXISTING KEYING SYSTEM | 626 | SCH |
| 2 | EA | 90 DEG OFFSET PULL | 8190HD 12" O | 630 | IVE |
| 1 | EA | SURFACE CLOSER | 4040XP SCUSH | 689 | LCN |
| 1 | EA | SURF. AUTO OPERATOR | 4642 TBWMS | 689 | LCN |
| 1 | EA | MOUNTING PLATE | 4040XP-18PA AS REQ'D | 689 | LCN |
| 1 | EA | CUSH SHOE SUPPORT | 4040XP-30 AS REQ'D | 689 | LCN |
| 1 | EA | BLADE STOP SPACER | 4040XP-61 AS REQ'D | 689 | LCN |
| 2 | EA | ACTUATOR, TOUCH | 8310-853T | 630 | LCN |
| 1 | EA | MULLION SEAL | 8780NBK | BK | ZER |
| 2 | EA | DOOR CONTACT | 7764 | 628 | SCE |
| 1 | EA | POWER SUPPLY | PS904 900-4RL [COORDINATE WITH ACCESS CONTROL PROVIDER] | LGR | SCE |
| 1 | EA | DIAGRAM | ELEVATION | | DLR |
| 1 | EA | DIAGRAM | POINT TO POINT | | DLR |

OPERATION: DOORS NORMALLY CLOSED AND LOCKED. DOORS CAN BE LEFT UNLOCKED AS PROGRAMMED BY ACCESS CONTROL. DOOR CONTACTS TO MONITOR DOOR POSITION. RX SWITCH IN EXIT DEVICE PUSH PADS SHUNT DOOR CONTACT FOR VALID EGRESS. FREE EGRESS AT ALL TIMES.

UNLOCKED HOURS: PRESSING EITHER ACTUATOR CYCLES AUTOMATIC OPERATOR AND MOMENTARILY OPENS DOOR.



HARDWARE GROUP NO. 39

For use on Door #(s):

A-104B

A-107B

A-120B

A-123B

B-140B

Provide each OPENING with the following:

| QTY | | DESCRIPTION | CATALOG NUMBER | FINISH | MFR |
|-----|----|-------------------------------------|---|--------|-----|
| 1 | EA | CONT. HINGE | 112XY EPT | 628 | IVE |
| 1 | EA | POWER TRANSFER | EPT10 | 689 | VON |
| 1 | EA | ELEC PANIC HARDWARE | RX-QEL-99-NL-OP-110MD 24 VDC | 626 | VON |
| 1 | EA | RIM HOUSING | 20-079 | 626 | SCH |
| 1 | EA | PERMANENT CORE | MATCH EXISTING KEYING SYSTEM | 626 | SCH |
| 1 | EA | 90 DEG OFFSET PULL | 8190HD 12" O | 630 | IVE |
| 1 | EA | SURFACE CLOSER | 4040XP SCUSH | 689 | LCN |
| 1 | EA | MOUNTING PLATE | 4040XP-18PA AS REQ'D | 689 | LCN |
| 1 | EA | CUSH SHOE SUPPORT | 4040XP-30 AS REQ'D | 689 | LCN |
| 1 | EA | BLADE STOP SPACER | 4040XP-61 AS REQ'D | 689 | LCN |
| 1 | EA | RAIN DRIP | 142AA | AA | ZER |
| 1 | | WEATHERSTRIP BY DOOR/FRAME SUPPLIER | | | |
| 1 | EA | DOOR SWEEP | 39A | A | ZER |
| 1 | EA | THRESHOLD | 65A | A | ZER |
| 1 | EA | CREDENTIAL READER | MTB15 - BY ACCESS CONTROL PROVIDER (COORDINATE W/ HEAD END AND CREDENTIAL TYPE) | BLK | SCE |
| 1 | EA | DOOR CONTACT | 7764 | 628 | SCE |
| 1 | EA | POWER SUPPLY | PS902 900-4R [COORDINATE WITH ACCESS CONTROL] | LGR | SCE |
| 1 | EA | DIAGRAM | ELEVATION | | DLR |
| 1 | EA | DIAGRAM | POINT TO POINT | | DLR |

OPERATION: DOOR NORMALLY CLOSED AND LOCKED. DOORS CAN BE LEFT UNLOCKED AS PROGRAMMED BY ACCESS CONTROL. WHEN LOCKED: VALID CREDENTIAL MOMENTARILY RETRACTS ELECTRIC LATCH ALLOWING ENTRY. DOOR CONTACT TO MONITOR DOOR POSITION. RX SWITCH IN EXIT DEVICE PUSH PAD SHUNTS DOOR CONTACT FOR VALID EGRESS. FREE EGRESS AT ALL TIMES.

NOTE: DOORS REQUIRE SPECIAL 3/8" INCH UNDERCUT FOR ADA TYPE THRESHOLD.

**HARDWARE GROUP NO. 40**

For use on Door #(s):

A-101A C-101A D-101A D-114A E-101A

Provide each OPENING with the following:

| QTY | | DESCRIPTION | CATALOG NUMBER | FINISH | MFR |
|-----|----|-------------------------------------|---|--------|-----|
| 2 | EA | CONT. HINGE | 112XY EPT | 628 | IVE |
| 2 | EA | POWER TRANSFER | EPT10 | 689 | VON |
| 1 | EA | REMOVABLE MULLION | KR4954 | 689 | VON |
| 1 | EA | ELEC PANIC HARDWARE | RX-QEL-99-EO 24 VDC | 626 | VON |
| 1 | EA | ELEC PANIC HARDWARE | RX-QEL-99-NL-OP-110MD 24 VDC | 626 | VON |
| 1 | EA | MULLION STORAGE KIT | MT54 | 689 | VON |
| 1 | EA | RIM HOUSING | 20-079 | 626 | SCH |
| 1 | EA | MORTISE CYLINDER | 26-094 | 626 | SCH |
| 2 | EA | PERMANENT CORE | MATCH EXISTING KEYING SYSTEM | 626 | SCH |
| 2 | EA | 90 DEG OFFSET PULL | 8190HD 12" O | 630 | IVE |
| 2 | EA | SURFACE CLOSER | 4040XP SCUSH | 689 | LCN |
| 2 | EA | MOUNTING PLATE | 4040XP-18PA AS REQ'D | 689 | LCN |
| 2 | EA | CUSH SHOE SUPPORT | 4040XP-30 AS REQ'D | 689 | LCN |
| 2 | EA | BLADE STOP SPACER | 4040XP-61 AS REQ'D | 689 | LCN |
| 1 | EA | MULLION SEAL | 8780NBK | BK | ZER |
| 1 | | WEATHERSTRIP BY DOOR/FRAME SUPPLIER | | | |
| 2 | EA | DOOR SWEEP | 39A | A | ZER |
| 1 | EA | THRESHOLD | 65A | A | ZER |
| 1 | EA | CREDENTIAL READER | MTB15 - BY ACCESS CONTROL PROVIDER (COORDINATE W/ HEAD END AND CREDENTIAL TYPE) | BLK | SCE |
| 2 | EA | DOOR CONTACT | 7764 | 628 | SCE |
| 1 | EA | POWER SUPPLY | PS904 900-2RS [COORDINATE WITH ACCESS CONTROL PROVIDER] | | VON |
| 1 | EA | DIAGRAM | ELEVATION | | DLR |
| 1 | EA | DIAGRAM | POINT TO POINT | | DLR |

OPERATION: DOORS NORMALLY CLOSED AND LOCKED. DOORS CAN BE LEFT UNLOCKED AS PROGRAMMED BY ACCESS CONTROL. WHEN LOCKED: VALID CREDENTIAL MOMENTARILY RETRACTS ELECTRIC LATCH ALLOWING ENTRY. DOOR CONTACTS TO MONITOR DOOR POSITION. RX SWITCH IN EXIT DEVICE PUSH PADS SHUNT DOOR CONTACT FOR VALID EGRESS. FREE EGRESS AT ALL TIMES.

NOTE: DOORS REQUIRE SPECIAL 3/8" INCH UNDERCUT FOR ADA TYPE THRESHOLD.



HARDWARE GROUP NO. 41

For use on Door #(s):

B-125B

B-140C

Provide each OPENING with the following:

| QTY | | DESCRIPTION | CATALOG NUMBER | FINISH | MFR |
|-----|----|---------------------|--|--------|-----|
| 1 | EA | CONT. HINGE | 112XY EPT | 628 | IVE |
| 1 | EA | POWER TRANSFER | EPT10 | 689 | VON |
| 1 | EA | ELEC PANIC HARDWARE | CD-RX-99-NL-OP-110MD | 626 | VON |
| 1 | EA | RIM HOUSING | 20-079 | 626 | SCH |
| 1 | EA | MORTISE CYLINDER | 26-094 XQ11-948 36-083 | 626 | SCH |
| 2 | EA | PERMANENT CORE | MATCH EXISTING KEYING SYSTEM | 626 | SCH |
| 1 | EA | 90 DEG OFFSET PULL | 8190HD 12" O | 630 | IVE |
| 1 | EA | SURFACE CLOSER | 4040XP SCUSH | 689 | LCN |
| 1 | EA | MOUNTING PLATE | 4040XP-18PA AS REQ'D | 689 | LCN |
| 1 | EA | CUSH SHOE SUPPORT | 4040XP-30 AS REQ'D | 689 | LCN |
| 1 | EA | BLADE STOP SPACER | 4040XP-61 AS REQ'D | 689 | LCN |
| 1 | EA | RAIN DRIP | 142AA | AA | ZER |
| 1 | | | WEATHERSTRIP BY DOOR/FRAME SUPPLIER | | |
| 1 | EA | DOOR SWEEP | 39A | A | ZER |
| 1 | EA | THRESHOLD | 65A | A | ZER |
| 1 | EA | DOOR CONTACT | 7764 | 628 | SCE |
| 1 | EA | DIAGRAM | ELEVATION | | DLR |
| 1 | EA | DIAGRAM | POINT TO POINT | | DLR |

OPERATION: DOOR CONTACT TO MONITOR DOOR POSITION. RX SWITCH IN EXIT DEVICE PUSH PAD SHUNTS DOOR CONTACT FOR VALID EGRESS. FREE EGRESS AT ALL TIMES.

NOTE: DOORS REQUIRE SPECIAL 3/8" INCH UNDERCUT FOR ADA TYPE THRESHOLD.

**HARDWARE GROUP NO. 42**

For use on Door #(s):

E-106B

Provide each OPENING with the following:

| QTY | | DESCRIPTION | CATALOG NUMBER | FINISH | MFR |
|-----|----|--|------------------------------|--------|-----|
| 2 | EA | CONT. HINGE | 112XY EPT | 628 | IVE |
| 2 | EA | POWER TRANSFER | EPT10 | 689 | VON |
| 1 | EA | REMOVABLE MULLION | KR4954 | 689 | VON |
| 1 | EA | ELEC PANIC HARDWARE | CD-RX-99-EO | 626 | VON |
| 1 | EA | ELEC PANIC HARDWARE | CD-RX-99-NL-OP-110MD | 626 | VON |
| 1 | EA | MULLION STORAGE KIT | MT54 | 689 | VON |
| 1 | EA | RIM HOUSING | 20-079 | 626 | SCH |
| 1 | EA | MORTISE CYLINDER | 26-094 | 626 | SCH |
| 2 | EA | MORTISE CYLINDER | 26-094 XQ11-948 36-083 | 626 | SCH |
| 4 | EA | PERMANENT CORE | MATCH EXISTING KEYING SYSTEM | 626 | SCH |
| 2 | EA | 90 DEG OFFSET PULL | 8190HD 12" O | 630 | IVE |
| 2 | EA | SURFACE CLOSER | 4040XP SCUSH | 689 | LCN |
| 2 | EA | MOUNTING PLATE | 4040XP-18PA AS REQ'D | 689 | LCN |
| 2 | EA | CUSH SHOE SUPPORT | 4040XP-30 AS REQ'D | 689 | LCN |
| 2 | EA | BLADE STOP SPACER | 4040XP-61 AS REQ'D | 689 | LCN |
| 1 | EA | RAIN DRIP | 142AA | AA | ZER |
| 1 | EA | MULLION SEAL | 8780NBK | BK | ZER |
| 1 | | WEATHERSTRIP BY DOOR/FRAME SUPPLIER | | | |
| 2 | EA | DOOR SWEEP | 39A | A | ZER |
| 1 | EA | THRESHOLD | 65A | A | ZER |
| 2 | EA | DOOR CONTACT | 7764 | 628 | SCE |
| 1 | EA | DIAGRAM | ELEVATION | | DLR |
| 1 | EA | DIAGRAM | POINT TO POINT | | DLR |

OPERATION: DOOR CONTACTS TO MONITOR DOOR POSITION. RX SWITCH IN EXIT DEVICE PUSH PADS SHUNT DOOR CONTACT FOR VALID EGRESS. FREE EGRESS AT ALL TIMES.

NOTE: DOORS REQUIRE SPECIAL 3/8" INCH UNDERCUT FOR ADA TYPE THRESHOLD.

**HARDWARE GROUP NO. 43**

For use on Door #(s):

A-104A

Provide each OPENING with the following:

| QTY | | DESCRIPTION | CATALOG NUMBER | FINISH | MFR |
|-----|----|----------------|-------------------------------|--------|-----|
| 3 | EA | HINGE | 5BB1 4.5 X 4.5 (NRP AS REQ'D) | 652 | IVE |
| 1 | EA | PANIC HARDWARE | 99-L-2-06 | 626 | VON |
| 2 | EA | RIM HOUSING | 20-079 | 626 | SCH |
| 2 | EA | PERMANENT CORE | MATCH EXISTING KEYING SYSTEM | 626 | SCH |
| 1 | EA | SURFACE CLOSER | 4040XP SCUSH | 689 | LCN |
| 1 | EA | KICK PLATE | 8400 10" X 1 1/2" LDW B-CS | 630 | IVE |
| 3 | EA | SILENCER | SR64 | GRY | IVE |

HARDWARE GROUP NO. 44

For use on Door #(s):

A-107A

A-120A

A-123A

B-131A

Provide each OPENING with the following:

| QTY | | DESCRIPTION | CATALOG NUMBER | FINISH | MFR |
|-----|----|----------------|-------------------------------|--------|-----|
| 3 | EA | HINGE | 5BB1 4.5 X 4.5 (NRP AS REQ'D) | 652 | IVE |
| 1 | EA | PANIC HARDWARE | 99-L-2-06 | 626 | VON |
| 2 | EA | RIM HOUSING | 20-079 | 626 | SCH |
| 2 | EA | PERMANENT CORE | MATCH EXISTING KEYING SYSTEM | 626 | SCH |
| 1 | EA | SURFACE CLOSER | 4040XP RW/PA | 689 | LCN |
| 1 | EA | KICK PLATE | 8400 10" X 1 1/2" LDW B-CS | 630 | IVE |
| 1 | EA | WALL STOP | WS401/402CVX | 626 | IVE |
| 3 | EA | SILENCER | SR64 | GRY | IVE |

**HARDWARE GROUP NO. 45**

For use on Door #(s):

E-103A

Provide each OPENING with the following:

| QTY | | DESCRIPTION | CATALOG NUMBER | FINISH | MFR |
|-----|----|----------------|-------------------------------|--------|-----|
| 3 | EA | HINGE | 5BB1 4.5 X 4.5 (NRP AS REQ'D) | 652 | IVE |
| 1 | EA | PANIC HARDWARE | 99-L-2-06 | 626 | VON |
| 2 | EA | RIM HOUSING | 20-079 | 626 | SCH |
| 2 | EA | PERMANENT CORE | MATCH EXISTING KEYING SYSTEM | 626 | SCH |
| 1 | EA | SURFACE CLOSER | 4040XP RW/PA | 689 | LCN |
| 1 | EA | KICK PLATE | 8400 10" X 1 1/2" LDW B-CS | 630 | IVE |
| 1 | EA | WALL STOP | WS401/402CVX | 626 | IVE |
| 1 | EA | GASKETING | 870AA | AA | ZER |
| 1 | EA | DOOR BOTTOM | 364AA | AA | ZER |
| 1 | EA | THRESHOLD | 545A | A | ZER |

HARDWARE GROUP NO. 46

For use on Door #(s):

B-125F

Provide each OPENING with the following:

| QTY | | DESCRIPTION | CATALOG NUMBER | FINISH | MFR |
|-----|----|----------------|-------------------------------|--------|-----|
| 3 | EA | HINGE | 5BB1 4.5 X 4.5 (NRP AS REQ'D) | 652 | IVE |
| 1 | EA | PANIC HARDWARE | 99-EO | 626 | VON |
| 1 | EA | SURFACE CLOSER | 4040XP SCUSH | 689 | LCN |
| 1 | EA | KICK PLATE | 8400 10" X 1 1/2" LDW B-CS | 630 | IVE |
| 1 | EA | GASKETING | 870AA | AA | ZER |
| 1 | EA | DOOR BOTTOM | 364AA | AA | ZER |
| 1 | EA | THRESHOLD | 545A | A | ZER |

HARDWARE GROUP NO. 47

For use on Door #(s):

B-132B

Provide each OPENING with the following:

| QTY | | DESCRIPTION | CATALOG NUMBER | FINISH | MFR |
|-----|--|-------------|------------------------|--------|-----|
| | | NOTE | ALL HARDWARE BY OTHERS | | |



HARDWARE GROUP NO. 48

For use on Door #(s):

| | | | | | |
|--------|--------|--------|--------|--------|--------|
| A-103B | A-119B | B-122C | B-125C | B-125D | B-125E |
| B-125G | B-126B | B-126C | B-132C | B-139B | C-105B |
| D-103D | D-103E | D-103F | D-103G | D-118B | D-118C |
| D-118D | D-118E | E-106C | E-106D | E-106E | E-106F |
| E-106H | E-106J | | | | |

Provide each OPENING with the following:

| QTY | DESCRIPTION | CATALOG NUMBER | FINISH | MFR |
|-----|-------------|---|--------|-----|
| EA | NOTE | NO HARDWARE REQUIRED (BORROWED LITE) | | |

END OF SECTION



GIBALTAR
DESIGN
ARCHITECTURE • ENGINEERING • INTERIOR DESIGN

PROJECT:

**NEW YOST
ELEMENTARY
SCHOOL**

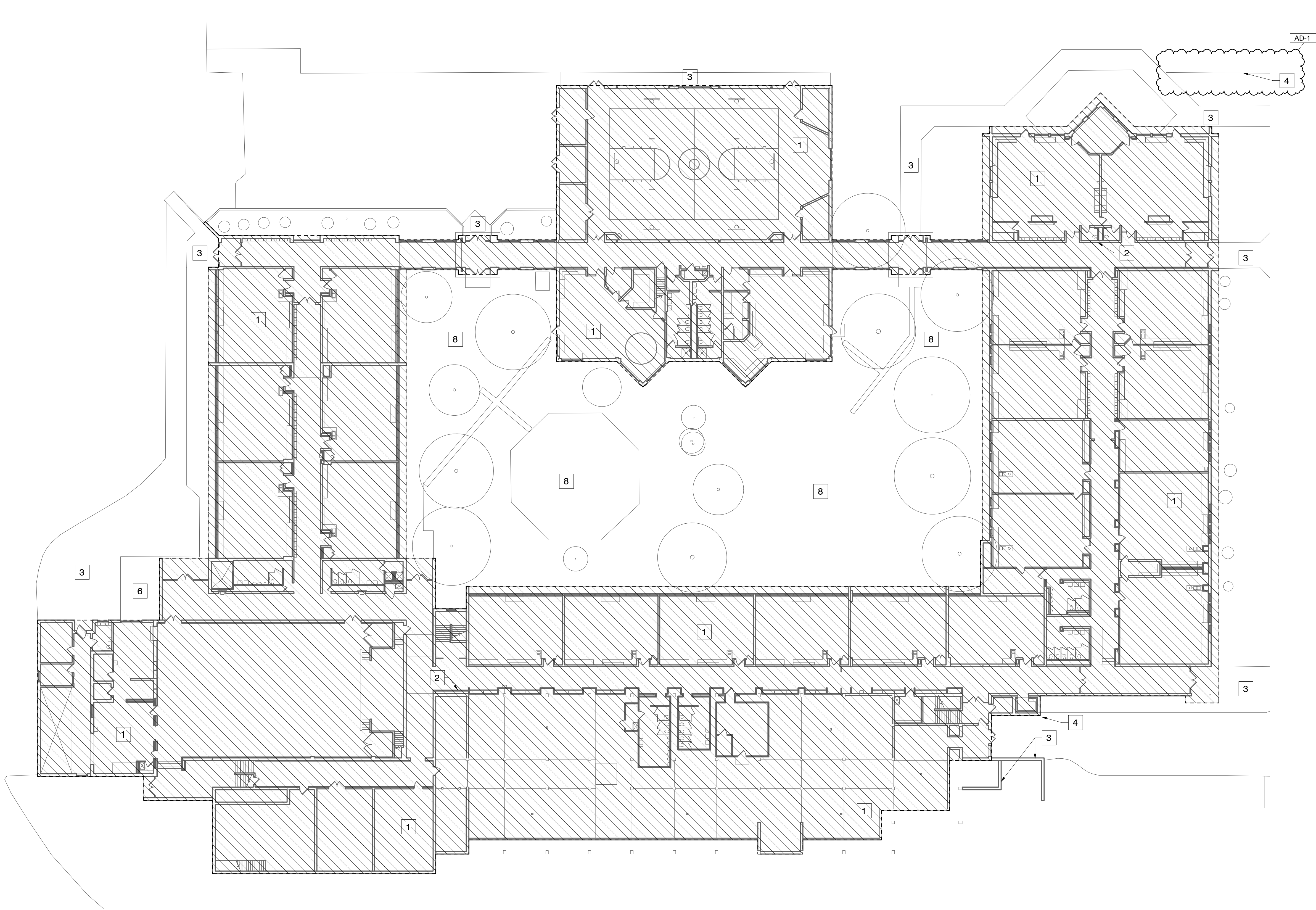
DUNELAND SCHOOL
CORPORATION
100 W BEAM ST
PORTER, IN 46304

GENERAL DEMOLITION NOTES:

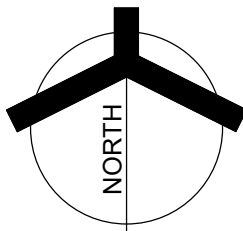
- A. FOR GENERAL PROJECT NOTES, MATERIAL INDICATIONS, LEGEND, SYMBOL LEGEND, ABBREVIATIONS, ETC., REFER TO G SERIES SHEETS.
- B. UNLESS NOTED OTHERWISE ON THIS SHEET, THE GENERAL CONTRACTOR IS RESPONSIBLE FOR ALL DEMOLITION AND REMOVAL WORK INDICATED ON THIS SHEET.
- C. CONTRACTORS ENCOUNTERING EXISTING MATERIAL, WHICH IS SUSPECTED OF CONTAINING ASBESTOS SHALL STOP WORK IMMEDIATELY AND NOTIFY THE OWNER AND THE OWNERS REPRESENTATIVE.
- D. BOLD DASHED LINES INDICATE EXISTING ITEMS TO BE REMOVED UNLESS OTHERWISE NOTED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD VERIFYING THE EXTENT OF DEMOLITION WORK PRIOR TO BIDDING AND FOR COORDINATING THE EXTENT OF DEMOLITION WITH THE INSTALLATION OF NEW SYSTEMS.
- E. EACH CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DEMOLITION APPLICABLE TO THEIR SCOPE OF WORK AND AS REQUIRED FOR INSTALLATION OF NEW WORK WHETHER OR NOT IT IS SPECIFICALLY INDICATED OR NOTED IN THESE DOCUMENTS.
- F. VERIFY ITEMS DEEMED OBSOLETE WITH ARCHITECT PRIOR TO REMOVAL. REFER TO NEW CONSTRUCTION DRAWINGS FOR DEMOLITION REQUIRED NOT SHOWN ON DEMOLITION PLANS.
- G. EACH CONTRACTOR SHALL BE RESPONSIBLE FOR OFF SITE REMOVAL OF ALL DEMOLITION MATERIALS AND/OR ITEMS UNLESS NOTED OTHERWISE OR DIRECTED BY THE OWNER.
- H. PRIOR TO STARTING DEMOLITION, CONSTRUCT CONTROL BARRIERS AS REQUIRED TO PREVENT NON-CONSTRUCTION PERSONNEL FROM ENTERING THE JOB SITE.
- I. WHERE BUILDING EGRESS IS REQUIRED TO PASS THROUGH DEMOLITION AREAS, PROVIDE APPROVED BARRIERS, ETC. TO ENSURE SAFETY OF THE PUBLIC.
- J. RELOCATED ITEMS SHALL BE CLEANED AND PLACED IN STORAGE, PER OWNERS' DIRECTION, UNTIL ITEMS ARE READY TO BE INSTALLED. IF ITEMS ARE DAMAGED DURING DEMOLITION OR RELOCATION, THEY SHALL BE REPAIRED OR REPLACED WITH NEW ITEMS AS APPROVED.
- K. DEMOLITION SHALL BE PERFORMED WITHOUT DAMAGE TO EXISTING CONSTRUCTION TO REMAIN. WHERE SUCH DAMAGE OCCURS, PATCH, REPAIR, OR RESTORE WALLS, FLOORS, CEILING, ETC. NEATLY TO MATCH EXISTING ADJACENT SURFACE. PROVIDE SHORING, BRACING, OR SUPPORT AS REQUIRED TO PREVENT MOVEMENT OR SETTLEMENT OF EXISTING STRUCTURES.
- L. EACH CONTRACTOR IS RESPONSIBLE FOR CUTTING, PATCHING, AND DISCONNECTION OF ITEMS APPLICABLE TO THEIR SCOPE OF WORK. WHERE EXISTING SERVICES ARE ABANDONED, CAP AT MAIN CONNECTION.
- M. ALL EQUIPMENT AND FURNITURE WHICH ARE CONSIDERED LOOSE, FURNISHING SHALL BE REMOVED BY THE OWNER PRIOR TO DEMOLITION.
- N. EACH CONTRACTOR SHALL BE RESPONSIBLE FOR GENERAL REVIEW OF DEMOLITION NOTES AND GENERAL DEMOLITION NOTES AS THEY APPLY TO THEIR SCOPE OF WORK.
- O. THE OWNER SHALL RESERVE THE RIGHT TO CLAIM ANY MATERIALS THAT ARE BEING DEMOLISHED PRIOR TO THE CONTRACTOR DISPOSING OF THEM OFF SITE.
- P. REFER TO THE STRUCTURAL, MECHANICAL, PLUMBING, ELECTRICAL AND TECHNOLOGY DOCUMENTS FOR COMPLETE SCOPE OF DEMOLITION WORK.
- Q. DEMOLITION IS TO FOLLOW ESTABLISHED CONSTRUCTION SEQUENCE. REFER TO SPECIFICATIONS AND DRAWINGS FOR REQUIREMENTS AND SPECIAL CONDITIONS.

PLAN NOTES:

- 1 REMOVE ENTIRE BUILDING FROM ROOF TO BOTTOM OF EXISTING FOOTINGS COMPLETE. ALL UTILITIES TO BE CUT AND CAPPED AT THE EDGE OF THE EXISTING PORTION OF THE BUILDING TO REMAIN.
- 2 ALL BRONZE PLAQUES, INTERIOR AND EXTERIOR, AND DATE STONES (WITH CONTENTS OF TIME CAPSULE) TO BE TURNED OVER TO THE OWNER.
- 3 REMOVE SIDEWALKS, STAIRS, RAILINGS, RETAINING WALLS AND PLANTER BOXES IN THEIR ENTIRETY, INCLUDING FOOTINGS.
- 4 REMOVE FENCING, GATES, AND BOLLARDS IN THEIR ENTIRETY INCLUDING FOOTINGS.
- 5 REMOVE ALL MECHANICAL, ELECTRICAL AND PLUMBING EQUIPMENT IN ITS ENTIRETY.
- 6 PUMP AND REMOVE GREASE TRAP IN ITS ENTIRETY - VERIFY EXACT LOCATION IN FIELD.
- 7 PUMP AND REMOVE UNDERGROUND STORAGE TANK IN ITS ENTIRETY.
- 8 REMOVE ALL ITEMS WITHIN COURTYARD IN THEIR ENTIRETY. ITEMS TO INCLUDE BUT NOT BE LIMITED TO TREES, LANDSCAPING, PAVING, AND STRUCTURES.



1
AD-001 1" = 20'-0" **LOWER LEVEL DEMOLITION PLAN**



GIBALTAR DESIGN

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PROJECT

21-134

DATE

03/31/2022

COORDINATED BY

JMG

DRAWN BY

JMG

CHECKED BY

MLR

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REVISIONS

| MARK | DATE | ISSUED FOR |
|------|-----------|------------|
| AD-1 | 4/14/2022 | ADDENDUM 1 |



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PROJECT:

**NEW YOST
ELEMENTARY
SCHOOL**

DUNELAND SCHOOL
CORPORATION
100 W BEAM ST
PORTER, IN 46304

GENERAL DEMOLITION NOTES:

- A. FOR GENERAL PROJECT NOTES, MATERIAL INDICATIONS, LEGEND, SYMBOL, LEGEND, ABBREVIATIONS, ETC., REFER TO G SERIES SHEETS.
- B. UNLESS NOTED OTHERWISE ON THIS SHEET, THE GENERAL CONTRACTOR IS RESPONSIBLE FOR ALL DEMOLITION AND REMOVAL WORK INDICATED ON THIS SHEET.
- C. CONTRACTORS ENCOUNTERING EXISTING MATERIAL WHICH IS SUSPECTED OF CONTAINING ASBESTOS SHALL STOP WORK IMMEDIATELY AND NOTIFY THE OWNER AND THE OWNERS REPRESENTATIVE.
- D. BOLD DASHED LINES INDICATE EXISTING ITEMS TO BE REMOVED UNLESS OTHERWISE NOTED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD VERIFYING THE EXTENT OF DEMOLITION WORK PRIOR TO BIDDING AND FOR COORDINATING THE EXTENT OF DEMOLITION WITH THE INSTALLATION OF NEW SYSTEMS.
- E. EACH CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DEMOLITION APPLICABLE TO THEIR SCOPE OF WORK AND AS REQUIRED FOR INSTALLATION OF NEW WORK WHETHER OR NOT IT IS SPECIFICALLY INDICATED OR NOTED IN THESE DOCUMENTS.
- F. VERIFY ITEMS DEEMED OBSOLETE WITH ARCHITECT PRIOR TO REMOVAL. REFER TO NEW CONSTRUCTION DRAWINGS FOR DEMOLITION REQUIRED NOT SHOWN ON DEMOLITION PLANS.
- G. EACH CONTRACTOR SHALL BE RESPONSIBLE FOR OFF SITE REMOVAL OF ALL DEMOLITION MATERIALS AND/OR ITEMS UNLESS NOTED OTHERWISE OR DIRECTED BY THE OWNER.
- H. PRIOR TO STARTING DEMOLITION, CONSTRUCT CONTROL BARRIERS AS REQUIRED TO PREVENT NON-CONSTRUCTION PERSONNEL FROM ENTERING THE JOB-SITE.
- I. WHERE BUILDING EGRESS IS REQUIRED TO PASS THROUGH DEMOLITION AREAS, PROVIDE APPROVED BARRIERS, ETC. TO ENSURE SAFETY OF THE PUBLIC.
- J. RELOCATED ITEMS SHALL BE CLEANED AND PLACED IN STORAGE, PER OWNERS' DIRECTION, UNTIL ITEMS ARE READY TO BE INSTALLED. IF ITEMS ARE DAMAGED DURING DEMOLITION OR RELOCATION, THEY SHALL BE REPAIRED OR REPLACED WITH NEW ITEMS AS APPROVED.
- K. DEMOLITION SHALL BE PERFORMED WITHOUT DAMAGE TO EXISTING CONSTRUCTION TO REMAIN. WHERE SUCH DAMAGE OCCURS, PATCH, REPAIR, OR RESTORE WALLS, FLOORS, CEILING, ETC. NEATLY TO MATCH EXISTING ADJACENT SURFACE. PROVIDE SHORING, BRACING, OR SUPPORT AS REQUIRED TO PREVENT MOVEMENT OR SETTLEMENT OF EXISTING STRUCTURES.
- L. EACH CONTRACTOR IS RESPONSIBLE FOR CUTTING, PATCHING, AND DISCONNECTION OF ITEMS APPLICABLE TO THEIR SCOPE OF WORK. WHERE EXISTING SERVICES ARE ABANDONED, CAP AT MAIN CONNECTION.
- M. ALL EQUIPMENT AND FURNITURE WHICH ARE CONSIDERED LOOSE, FURNISHING SHALL BE REMOVED BY THE OWNER PRIOR TO DEMOLITION.
- N. EACH CONTRACTOR SHALL BE RESPONSIBLE FOR GENERAL REVIEW OF DEMOLITION NOTES AND GENERAL DEMOLITION NOTES AS THEY APPLY TO THEIR SCOPE OF WORK.
- O. THE OWNER SHALL RESERVE THE RIGHT TO CLAIM ANY MATERIALS THAT ARE BEING DEMOLISHED PRIOR TO THE CONTRACTOR DISPOSING OF THEM OFF SITE.
- P. REFER TO THE STRUCTURAL, MECHANICAL, PLUMBING, ELECTRICAL AND TECHNOLOGY DOCUMENTS FOR COMPLETE SCOPE OF DEMOLITION WORK.
- Q. DEMOLITION IS TO FOLLOW ESTABLISHED CONSTRUCTION SEQUENCE. REFER TO SPECIFICATIONS AND DRAWINGS FOR REQUIREMENTS AND SPECIAL CONDITIONS.

PLAN NOTES:

- 1 REMOVE ENTIRE BUILDING FROM ROOF TO BOTTOM OF EXISTING FOOTINGS COMPLETE. ALL UTILITIES TO BE CUT AND CAPPED AT THE EDGE OF THE EXISTING PORTION OF THE BUILDING TO REMAIN.
- 2 ALL BRONZE PLAQUES, INTERIOR AND EXTERIOR, AND DATE STONES (WITH CONTENTS OF TIME CAPSULE) TO BE TURNED OVER TO THE OWNER.
- 3 REMOVE SIDEWALKS, STAIRS, RAILINGS, RETAINING WALLS AND PLANTER BOXES IN THEIR ENTIRETY, INCLUDING FOOTINGS.
- 4 REMOVE FENCING, GATES, AND BOLLARDS IN THEIR ENTIRETY INCLUDING FOOTINGS.
- 5 REMOVE ALL MECHANICAL, ELECTRICAL AND PLUMBING EQUIPMENT IN ITS ENTIRETY.
- 6 PUMP AND REMOVE GREASE TRAP IN ITS ENTIRETY - VERIFY EXACT LOCATION IN FIELD.
- 7 PUMP AND REMOVE UNDERGROUND STORAGE TANK IN ITS ENTIRETY.
- 8 REMOVE ALL ITEMS WITHIN COURTYARD IN THEIR ENTIRETY. ITEMS TO INCLUDE BUT NOT BE LIMITED TO TREES, LANDSCAPING, PAVING, AND STRUCTURES.

AD-1

AD-1

GIBALTAR DESIGN

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PROJECT

21-134

DATE

03/31/2022

COORDINATED BY

JMG

DRAWN BY

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CHECKED BY

MLR

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REVISIONS

| MARK | DATE | ISSUED FOR |
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| AD-1 | 4/14/2022 | ADDENDUM 1 |

DRAWING

FIRST FLOOR DEMOLITION PLAN

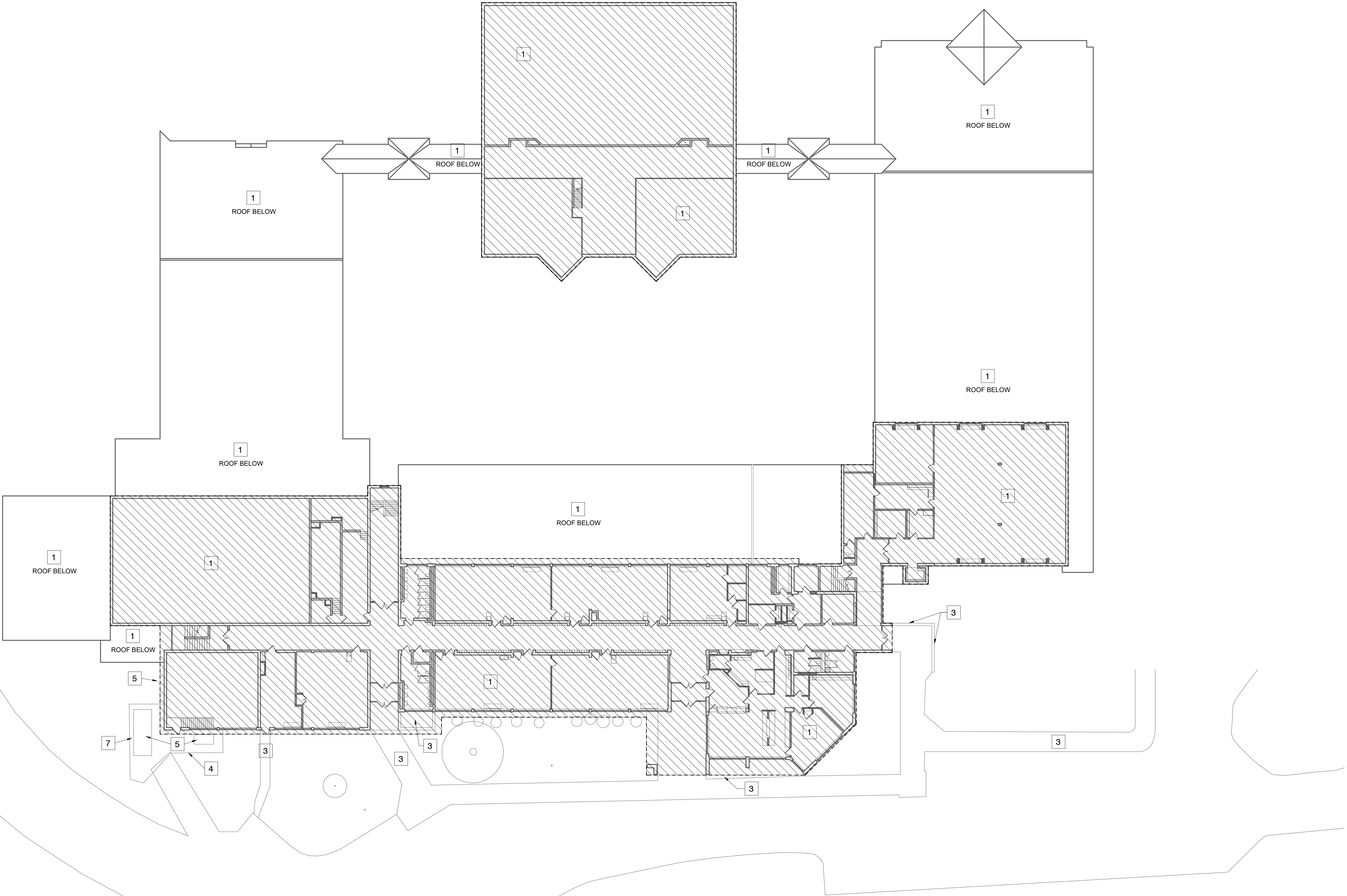
PROJECT

NEW YOST ELEMENTARY SCHOOL

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DESIGN

SHEET

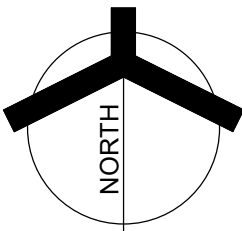
AD-002



1

AD-002 1" = 20'-0"

FIRST FLOOR DEMOLITION PLAN





GIBALTAR
DESIGN
ARCHITECTURE • ENGINEERING • INTERIOR DESIGN

PROJECT:

**NEW YOST
ELEMENTARY
SCHOOL**

DUNELAND SCHOOL
CORPORATION
100 W BEAM ST
PORTER, IN 46304

GENERAL NOTES:

- FOR GENERAL PROJECT NOTES, MATERIAL INDICATIONS, LEGEND, SYMBOL, ABBREVIATION, ETC. REFER TO SHEET G-301.
- PLAN DIMENSIONS TO MASONRY WALLS ARE TO FACE OF ROUGH MASONRY. PLAN DIMENSIONS TO STUD WALLS ARE TO FACE OF FINISHED GYPSUM BOARD OR PLASTER. PLAN DIMENSIONS TO STUD WALLS WITH CERAMIC TILE FINISH ARE TO FACE OF TILE BACKER BOARD.
- ALL CMU WALLS THAT DO NOT LAY OUT IN FULL OR HALF LENGTHS SHOULD BE BALANCED SO AS TO NOT HAVE ANY PIECES LESS THAN 4" IN SIZE EXPOSED TO VIEW.
- MASONRY WALLS BEARING ON A THICKENED SLAB AT SLAB DEPRESSIONS REQUIRE CUT MASONRY UNITS SO THAT COURSING BEGINS AT THE FLOOR LINE.
- THE BASE FIRST FLOOR ELEVATION INDICATED FOR THE PROJECT IS 100'-0". REFER TO SITE PLAN FOR CORRELATION TO USGS DATUM.
- HINGE SIDE OF DOOR JAMB AT CMU WALLS SHALL BE LOCATED 8" MINIMUM FROM ADJACENT WALL. AD HINGE SIDE OF DOOR JAMB AT GYPSUM BOARD WALLS SHALL BE LOCATED 2" MINIMUM FROM ADJACENT WALL UNLESS NOTED OTHERWISE.
- PROVIDE WOOD BLOCKING (OR METAL STRAPPING WHERE APPLICABLE) AS REQUIRED WITHIN METAL STUD WALLS FOR WALL MOUNTED ITEMS.
- REFER TO LIFE SAFETY PLANS REGARDING FIRE RATED WALL LOCATIONS AND OTHER CODE INFORMATION.
- INTERIOR CMU WALLS ARE TO BE RUNNING BOND UNLESS NOTED OTHERWISE.
- REFER TO FINISH PLANS FOR LOCATION AND EXTENT OF FINISHED FLOOR AND WALL MATERIALS.
- ALL EXPOSED CONCRETE MASONRY UNITS (CMU) CORNERS TO BE BULLNOSED, EXCEPT AT MASONRY BULKHEADS AND EXTERIOR WINDOW JAMBS.
- ALL INTERIOR RUNNING BOND FACE BRICK TO BE (TYPE D1) COLOR D - 1/3 RUNNING BOND - 4X4X12 UTILITY. ALL INTERIOR SOLDIER COURSE FACE BRICK TO BE (TYPE D2-1) COLOR D - SOLDIER COURSE - 4X4X8 CLOSURE.
- REFER TO EQUIPMENT PLANS FOR CASEWORK, DISPLAY BOARDS, LOCKERS, AND OTHER ADDITIONAL TYPICAL EQUIPMENT NOTES AND INFORMATION.
- REFER TO EQUIPMENT PLANS FOR REFERENCE TO ENLARGED TOILET ROOM PLANS AND TOILET ACCESSORIES.

PLAN LEGEND:

- XX** INDICATES WINDOW SYSTEM. REFER TO A-600 SERIES DRAWINGS FOR ELEVATIONS AND DETAILS.
- W** INDICATES WALL TYPES. REFER TO G-302 FOR WALL THICKNESS, HEIGHT, AND COMPOSITION.

PLAN NOTES:

- CONCRETE STOOPT. PROVIDE SCORED JOINTS ON SURFACE TO ALIGN WITH CONCRETE SIDEWALK JOINTS. REFER TO STRUCTURAL DRAWINGS.
- CASEWORK AND/OR MILLWORK (TYPICAL). REFER TO EQUIPMENT PLANS.
- DASHED LINE INDICATES TYPICAL BULKHEAD. REFER TO SECTIONS AND REFLECTED CEILING PLANS.
- PUSH PAD FOR ADA OPERATOR. REFER TO ELECTRICAL DRAWINGS.
- CARD/FOR READER. REFER TO ELECTRICAL/TECHNOLOGY DRAWINGS.
- AI DEVICE. REFER TO ELECTRICAL/TECHNOLOGY DRAWINGS.
- FIRE ALARM PANEL. REFER TO ELECTRICAL DRAWINGS.
- FIRE ALARM ANNUNCIATOR PANEL. REFER TO ELECTRICAL DRAWINGS.
- INSTALL NEW 1 1/2" O.D. ANODIZED ALUMINUM HANDRAIL WITH ALUMINUM BRACKETS AT 36" ABOVE SLOPE OF RAMP AND FLOOR. EXTEND RAIL 12" PAST TOP AND BOTTOM OF RAMP AND RETURN ENDS TO WALL.
- GYM EQUIPMENT (TYPICAL). REFER TO EQUIPMENT DRAWINGS.
- MOP SINK. REFER TO PLUMBING DRAWINGS. PROVIDE MOP HOLDER.
- WASH FOUNTAIN. REFER TO PLUMBING DRAWINGS.
- ROOF HATCH AND LADDER.
- NOT USED.
- CABINET HEATER. REFER TO MECHANICAL DRAWINGS.
- ROOF CONDUCTOR. REFER TO PLUMBING DRAWINGS.
- DOWNSPOUT. REFER TO ROOF PLAN.
- LINE OF CANOPY ABOVE. REFER TO SECTIONS.
- 6" PIPE BOLLARD. REFER TO CIVIL DRAWINGS.
- DATE STONE AND TIME CAPSULE.
- ROOF BELOW. REFER TO ROOF PLAN.
- ALUMINUM DIVIDER RAIL.
- FIRE EXTINGUISHER (WALL MOUNTED). REFER TO EQUIPMENT PLANS FOR ADDITIONAL FIRE EXTINGUISHERS AND CABINETS.
- ELECTRIC WATER COOLER. REFER TO PLUMBING DRAWINGS.
- ACCESSIBLE ELECTRIC WATER COOLER WITH BOTTLE FILLER AND BUBBLER. REFER TO PLUMBING DRAWINGS.
- KNOX BOX.
- PROVIDE 4" HIGH CONCRETE EQUIPMENT/HOUSEKEEPING PAD UNDER ALL EQUIPMENT IN THIS ROOM. VERIFY SIZE AND LOCATION WITH MECHANICAL AND ELECTRICAL TRADES.
- CONCRETE EQUIPMENT PAD. VERIFY SIZE AND LOCATION WITH MECHANICAL AND ELECTRICAL TRADES. REFER TO STRUCTURAL DRAWINGS FOR DETAILS.
- 6" OF #5'S CRUSHED STONE. REFER TO CIVIL DRAWINGS.
- ALUMINUM GATE WITH STEEL FRAME AND POST.
- ACOUSTICAL SOUND Baffle PANELS WITH 2" THICK FIBERGLASS INSULATION (BOTTOM AT ELEVATION 100'-8" TOP AT ELEVATION 108'-4"). PROVIDE ALUMINUM J MOLDING AT PERIMETER OF PANELS AND 1/8" TERMINATION BAR AT TOP OF PANELS.
- PROVIDE SPRAY ACOUSTICAL INSULATION ON BOTTOM OF ENTIRE MEZZANINE FLOOR DECK AT THIS LOCATION:
1" SEMI-RIGID INSULATION FROM TOP OF CURB TO ROOF DECK.
- DISPLAY CASE.
- DISPLAY WALL/MONITOR (TYP). REFER TO EQUIPMENT DRAWINGS.
- ROLLING SHUTTER DOOR.
- ROLLING COUNTER DOOR.
- ROLLING SERVICE DOOR.
- RETURN AIR GRILL COVER.
- CHASE WALL WITH SOLID SURFACE TOP.
- INSTALL 2 1/8" RIGID INSULATION ON EXTERIOR WALL OF CHASE FROM TOP OF SLAB TO TOP OF CHASE.
- 1/2" GAP IN WALL WITH SEALANT AND BACKER ROD AT ALL EXPOSED FACES.
- PROVIDE 4" TALL CONCRETE CURB AROUND PERIMETER OF MEZZANINE AND OPENINGS FOR VERTICAL CIRCULATION. REFER TO SECTIONS AND STRUCTURAL DRAWINGS.
- ALTERNATE: FOLDING PARTITION (MANUAL).
- CAVITY INSULATION AND MASONRY TO CONTINUE THROUGH CANOPY PLENUM. SEAL INSULATION TIGHT TO PENETRATING BEAMS WITH FOAM INSULATION. PROVIDE MEMBRANE FLASHING OVER TOP OF BEAMS EXPOSED IN BRICK CAVITY.
- METAL LOCKERS. REFER TO EQUIPMENT PLANS.
- ALTERNATE: FACE OF EXPOSED CMU IN THIS AREA SHALL BE GROUND FACE CONCRETE MASONRY UNITS (GFCMU). BASE BID: STANDARD PAINTED CMU. REFER TO FINISH PLANS.
- TRANSITION FROM GFCMU TO PAINTED CMU AT THIS POINT.
- LAMINATE 5/8" GYPSUM BOARD TO FACE OF FOUNDATION WALL.
- ALTERNATE: STAIRS, HANDRAILS, WALL OPENING. BASE BID: CONCRETE SLAB, ROOM D-105A STORAGE.
- CUBICLE CURTAIN.
- CYCLORAMA CURTAIN.
- LAMINATE TEMPORARY INSULATION AS PART OF PHASE 1 ALONG THIS WALL FROM FINISH FLOOR TO ROOF DECK. REMOVE AND REPLACE WITH GYPSUM BOARD FROM FINISH FLOOR TO 4" ABOVE CEILING IN PHASE 2.

KEY PLAN

GIBALTAR DESIGN

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PROJECT

21-134

DATE

03/31/2022

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JMG

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REVISIONS

MARK DATE ISSUED FOR

AD-1 4/14/2022 ADDENDUM 1

DRAWING
UNIT "A" ARCHITECTURAL FIRST
FLOOR PLAN

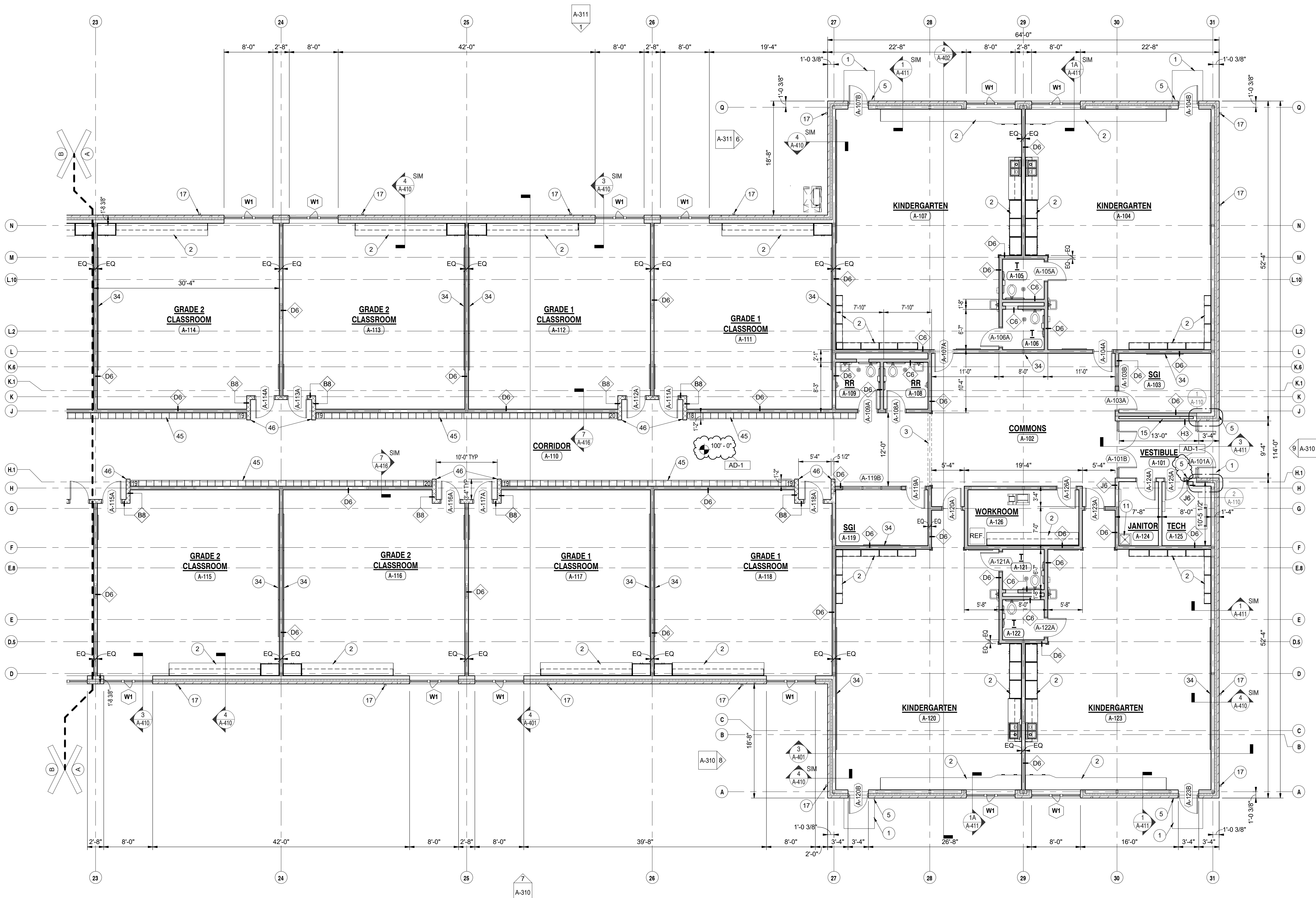
PROJECT
NEW YOST ELEMENTARY SCHOOL

GIBALTAR
DESIGN

SHEET

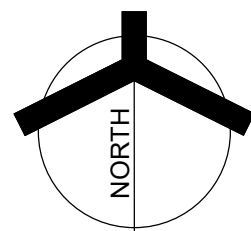
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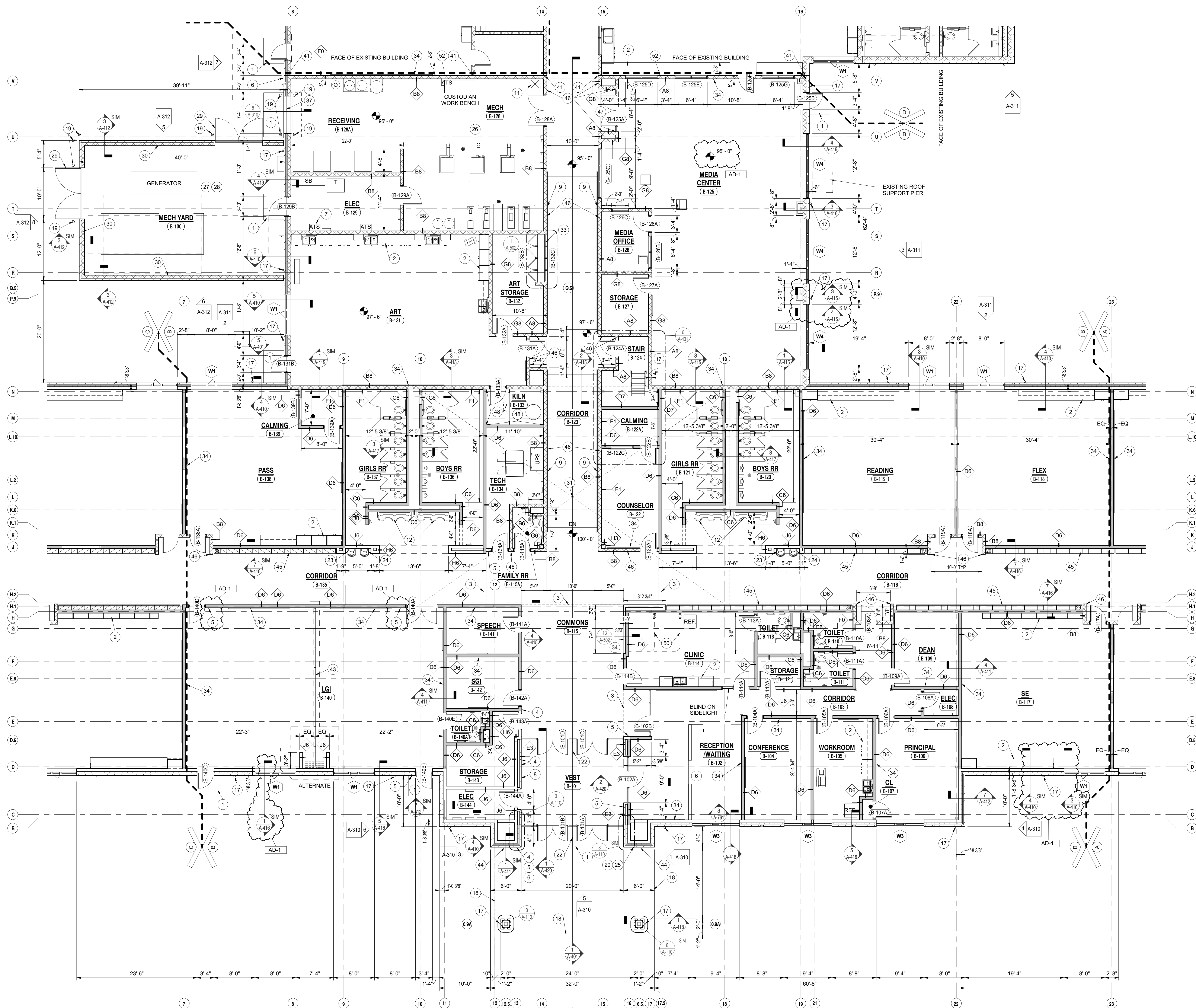
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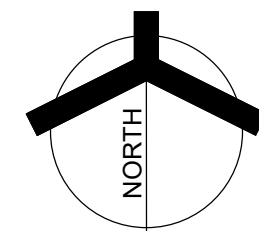
UNIT "A" ARCHITECTURAL FIRST FLOOR PLAN

1
A-101 1/8" = 1'-0"





1
A-102 1/8" = 1'-0"



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- ALL INTERIOR RUNNING BOND FACE BRICK TO BE (TYPE D1) COLOR D - 1/3 RUNNING BOND - 4X4X12 UTILITY. ALL INTERIOR SOLDIER COURSE FACE BRICK TO BE (TYPE D2-1) COLOR D - SOLDIER COURSE - 4X4X8 CLOSURE.
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- REFER TO EQUIPMENT PLANS FOR REFERENCE TO ENLARGED TOILET ROOM PLANS AND TOILET ACCESSORIES.

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PLAN NOTES:

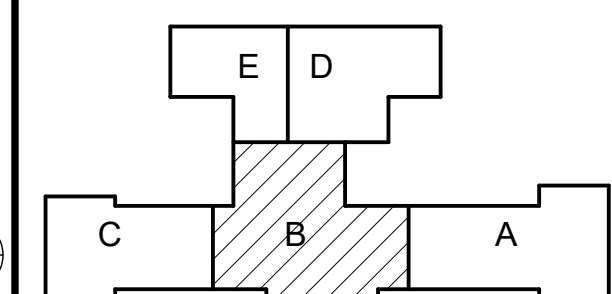
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- CARDIOFOR READER, REFER TO ELECTRICAL/TECHNOLOGY DRAWINGS.
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- NOT USED.
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- ROOF CONDUCTOR, REFER TO PLUMBING DRAWINGS.
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- LINE OF CANOPY ABOVE, REFER TO SECTIONS.
- 6" PIPE BOLLARD, REFER TO CIVIL DRAWINGS.
- DATE STONE AND TIME CAPSULE.
- ROOF BELOW, REFER TO ROOF PLAN.
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- 6" OF #5/3 CRUSHED STONE, REFER TO CIVIL DRAWINGS.
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- PROVIDE SPRAY ACOUSTICAL INSULATION ON BOTTOM OF ENTIRE MEZZANINE FLOOR DECK AT THIS LOCATION.
- 1" SEMI-RIGID INSULATION FROM TOP OF CURB TO ROOF DECK.
- DISPLAY CASE.
- DISPLAY WALL/MONITOR (TYP), REFER TO EQUIPMENT DRAWINGS.
- ROLLING SHUTTER DOOR.
- ROLLING COUNTER DOOR.
- ROLLING SERVICE DOOR.
- RETURN AIR GRILL COVER.
- CHASE WALL WITH SOLID SURFACE TOP.
- INSTALL 2 1/8" RIGID INSULATION ON EXTERIOR WALL OF CHASE FROM TOP OF SLAB TO TOP OF CHASE.
- 1/2" GAP IN WALL WITH SEALANT AND BACKER ROD AT ALL EXPOSED FACES.
- PROVIDE 4" TALL CONCRETE CURB AROUND PERIMETER OF MEZZANINE AND OPENINGS FOR VERTICAL CIRCULATION. REFER TO SECTIONS AND STRUCTURAL DRAWINGS.
- ALTERNATE: FOLDING PARTITION (MANUAL).
- CAVITY INSULATION AND MASONRY TO CONTINUE THROUGH CANOPY PLENUM. SEAL INSULATION TIGHT TO PENETRATING BEAMS WITH FOAM INSULATION. PROVIDE MEMBRANE FLASHING OVER TOP OF BEAMS EXPOSED IN BRICK CAVITY.
- METAL LOCKERS, REFER TO EQUIPMENT PLANS.
- ALTERNATE: FACE OF EXPOSED CMU IN THIS AREA SHALL BE GROUND FACE CONCRETE MASONRY UNITS (GFCMU). BASE BID: STANDARD PAINTED CMU. REFER TO FINISH PLANS.
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GIBALTAR
DESIGN
ARCHITECTURE • ENGINEERING • INTERIOR DESIGN

PROJECT:
**NEW YOST
ELEMENTARY
SCHOOL**

DUNELAND SCHOOL
CORPORATION
100 W BEAM ST
PORTER, IN 46304



KEY PLAN
GIBALTAR DESIGN

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Email: info@GibraltarDesign.com
Phone: 317.580.5777 Fax: 317.580.5776

PROJECT
21-134
DATE
03/31/2022
COORDINATED BY
JMG
DRAWN BY
JMG
CHECKED BY
MLR

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REVISIONS
MARK DATE ISSUED FOR
AD-1 4/14/2022 ADDENDUM 1

DRAWING
UNIT "B" ARCHITECTURAL FIRST
FLOOR PLAN

PROJECT
NEW YOST ELEMENTARY SCHOOL

DIBALTAR
DESIGN SHEET
B A-102



GIBALTAR
DESIGN
ARCHITECTURE • ENGINEERING • INTERIOR DESIGN

PROJECT:

**NEW YOST
ELEMENTARY
SCHOOL**

DUNELAND SCHOOL
CORPORATION
100 W BEAM ST
PORTER, IN 46304

GENERAL NOTES:

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- MASONRY WALLS BEARING ON A THICKENED SLAB AT SLAB DEPRESSIONS REQUIRE CUT MASONRY UNITS SO THAT COURSEING BEGINS AT THE FLOOR LINE.
- THE BASE FIRST FLOOR ELEVATION INDICATED FOR THE PROJECT IS 100'-0". REFER TO SITE PLAN FOR CORRELATION TO USGS DATUM.
- HINGE SIDE OF DOOR JAMB AT CMU WALLS SHALL BE LOCATED 8" MINIMUM FROM ADJACENT WALL. AD HINGE SIDE OF DOOR JAMB AT GYPSUM BOARD WALLS SHALL BE LOCATED 4" MINIMUM FROM ADJACENT WALL UNLESS NOTED OTHERWISE.
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- ALL EXPOSED CONCRETE MASONRY UNITS (CMU) CORNERS TO BE BULLNOSED, EXCEPT AT MASONRY BULKHEADS AND EXTERIOR WINDOW JAMBS.
- ALL INTERIOR RUNNING BOND FACE BRICK TO BE (TYPE D1) COLOR D - 1/3 RUNNING BOND - 4X4X12 UTILITY. ALL INTERIOR SOLDIER COURSE FACE BRICK TO BE (TYPE D2-1) COLOR D - SOLDIER COURSE - 4X4X8 CLOSURE.
- REFER TO EQUIPMENT PLANS FOR CASEWORK, DISPLAY BOARDS, LOCKERS, AND OTHER ADDITIONAL TYPICAL EQUIPMENT NOTES AND INFORMATION.
- REFER TO EQUIPMENT PLANS FOR REFERENCE TO ENLARGED TOILET ROOM PLANS AND TOILET ACCESSORIES.

PLAN LEGEND:

- INDICATES WINDOW SYSTEM. REFER TO A-600 SERIES DRAWINGS FOR ELEVATIONS AND DETAILS.
- INDICATES WALL TYPES. REFER TO G-302 FOR WALL THICKNESS, HEIGHT, AND COMPOSITION.

PLAN NOTES:

- CONCRETE STOOPT, PROVIDE SCORED JOINTS ON SURFACE TO ALIGN WITH CONCRETE SIDEWALK JOINTS. REFER TO STRUCTURAL DRAWINGS.
- CASEWORK AND/OR MILLWORK (TYPICAL), REFER TO EQUIPMENT PLANS.
- DASHED LINE INDICATES TYPICAL BULKHEAD. REFER TO SECTIONS AND REFLECTED CEILING PLANS.
- PUSH PAD FOR ADA OPERATOR. REFER TO ELECTRICAL DRAWINGS.
- CARDIOFOR READER. REFER TO ELECTRICAL/TECHNOLOGY DRAWINGS.
- AI DEVICE. REFER TO ELECTRICAL/TECHNOLOGY DRAWINGS.
- FIRE ALARM PANEL. REFER TO ELECTRICAL DRAWINGS.
- FIRE ALARM ANNUNCIATOR PANEL. REFER TO ELECTRICAL DRAWINGS.
- INSTALL NEW 1 1/2" O.D. ANODIZED ALUMINUM HANDRAIL WITH ALUMINUM BRACKETS AT 36" ABOVE SLOPE OF RAMP AND FLOOR. EXTEND RAIL 12" PAST TOP AND BOTTOM OF RAMP AND RETURN ENDS TO WALL.
- GYM EQUIPMENT (TYPICAL). REFER TO EQUIPMENT DRAWINGS.
- MOP SINK. REFER TO PLUMBING DRAWINGS. PROVIDE MOP HOLDER.
- WASH FOUNTAIN. REFER TO PLUMBING DRAWINGS.
- ROOF HATCH AND LADDER.
- NOT USED.
- CABINET HEATER. REFER TO MECHANICAL DRAWINGS.
- ROOF CONDUCTOR. REFER TO PLUMBING DRAWINGS.
- DOWNSPOUT. REFER TO ROOF PLAN.
- LINE OF CANOPY ABOVE. REFER TO SECTIONS.
- 6" PIPE BOLLARD. REFER TO CIVIL DRAWINGS.
- DATE STONE AND TIME CAPSULE.
- ROOF BELOW. REFER TO ROOF PLAN.
- ALUMINUM DIVIDER RAIL.
- FIRE EXTINGUISHER (WALL MOUNTED). REFER TO EQUIPMENT PLANS FOR ADDITIONAL FIRE EXTINGUISHERS AND CABINETS.
- ELECTRIC WATER COOLER. REFER TO PLUMBING DRAWINGS.
- ACCESSIBLE ELECTRIC WATER COOLER WITH BOTTLE FILLER AND BUBBLER. REFER TO PLUMBING DRAWINGS.
- KNOX BOX.
- PROVIDE 4" HIGH CONCRETE EQUIPMENT/HOUSKEEPING PAD UNDER ALL EQUIPMENT IN THIS ROOM. VERIFY SIZE AND LOCATION WITH MECHANICAL AND ELECTRICAL TRADES.
- CONCRETE EQUIPMENT PAD. VERIFY SIZE AND LOCATION WITH MECHANICAL AND ELECTRICAL TRADES. REFER TO STRUCTURAL DRAWINGS FOR DETAILS.
- 6" OF #5'S CRUSHED STONE. REFER TO CIVIL DRAWINGS.
- ALUMINUM GATE WITH STEEL FRAME AND POST.
- ACOUSTICAL SOUND Baffle PANELS WITH 2" THICK FIBERGLASS INSULATION (BOTTOM AT ELEVATION 100'-8", TOP AT ELEVATION 108'-4"). PROVIDE ALUMINUM J MOLDING AT PERIMETER OF PANELS AND 1/8" TERMINATION BAR AT TOP OF PANELS.
- PROVIDE SPRAY ACOUSTICAL INSULATION ON BOTTOM OF ENTIRE MEZZANINE FLOOR DECK AT THIS LOCATION.
- 1" SEMI-RIGID INSULATION FROM TOP OF CURB TO ROOF DECK.
- DISPLAY CASE.
- DISPLAY WALL/MONITOR (TYP). REFER TO EQUIPMENT DRAWINGS.
- ROLLING SHUTTER DOOR.
- ROLLING COUNTER DOOR.
- ROLLING SERVICE DOOR.
- RETURN AIR GRILL COVER.
- CHASE WALL WITH SOLID SURFACE TOP.
- INSTALL 2 1/8" RIGID INSULATION ON EXTERIOR WALL OF CHASE FROM TOP OF SLAB TO TOP OF CHASE.
- 1/2" GAP IN WALL WITH SEALANT AND BACKER ROD AT ALL EXPOSED FACES.
- PROVIDE 4" TALL CONCRETE CURB AROUND PERIMETER OF MEZZANINE AND OPENINGS FOR VERTICAL CIRCULATION. REFER TO SECTIONS AND STRUCTURAL DRAWINGS.
- ALTERNATE: FOLDING PARTITION (MANUAL).
- CAVITY INSULATION AND MASONRY TO CONTINUE THROUGH CANOPY PLENUM. SEAL INSULATION TIGHT TO PENETRATING BEAMS WITH FOAM INSULATION. PROVIDE MEMBRANE FLASHING OVER TOP OF BEAMS EXPOSED IN BRICK CAVITY.
- METAL LOCKERS. REFER TO EQUIPMENT PLANS.
- ALTERNATE: FACE OF EXPOSED CMU IN THIS AREA SHALL BE GROUND FACE CONCRETE MASONRY UNITS (GFCMU). BASE BID: STANDARD PAINTED CMU. REFER TO FINISH PLANS.
- TRANSITION FROM GFCMU TO PAINTED CMU AT THIS POINT.
- LAMINATE 5/8" GYPSUM BOARD TO FACE OF FOUNDATION WALL.
- ALTERNATE: STAIRS, HANDRAILS, WALL OPENING. BASE BID: CONCRETE SLAB, ROOM D-105A STORAGE.
- CUBICLE CURTAIN.
- CYCLORAMA CURTAIN.
- LAMINATE TEMPORARY INSULATION AS PART OF PHASE 1 ALONG THIS WALL FROM FINISH FLOOR TO ROOF DECK. REMOVE AND REPLACE WITH GYPSUM BOARD FROM FINISH FLOOR TO 4" ABOVE CEILING IN PHASE 2.

KEY PLAN

GIBALTAR DESIGN

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PROJECT

21-134

DATE

03/31/2022

COORDINATED BY

JMG

DRAWN BY

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REVISIONS

MARK DATE ISSUED FOR

AD-1 4/14/2022 ADDENDUM 1

DRAWING

UNIT "C" ARCHITECTURAL FIRST
FLOOR PLAN & UNIT "B"
MEZZANINE PLAN

PROJECT

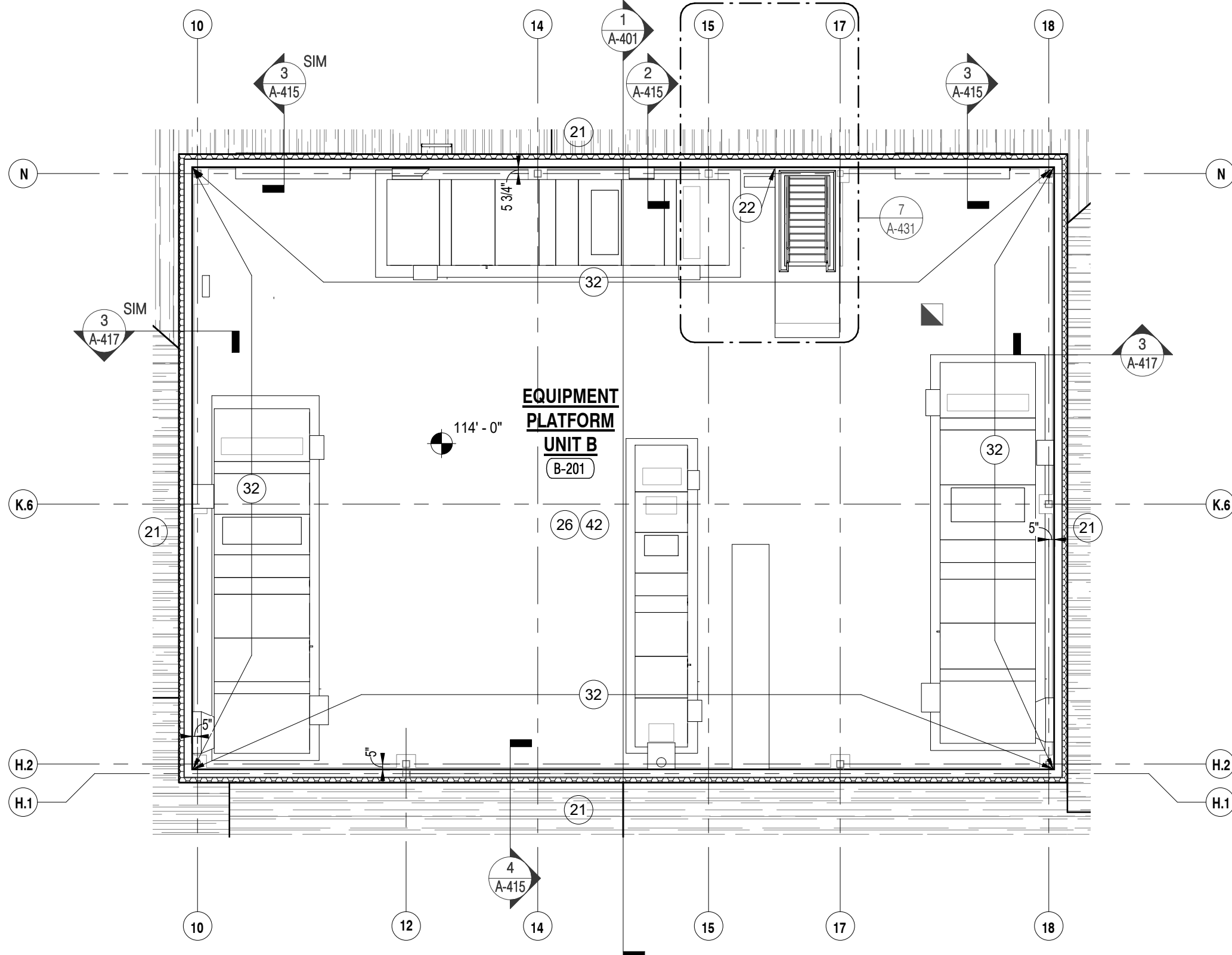
NEW YOST ELEMENTARY SCHOOL

DESIGN

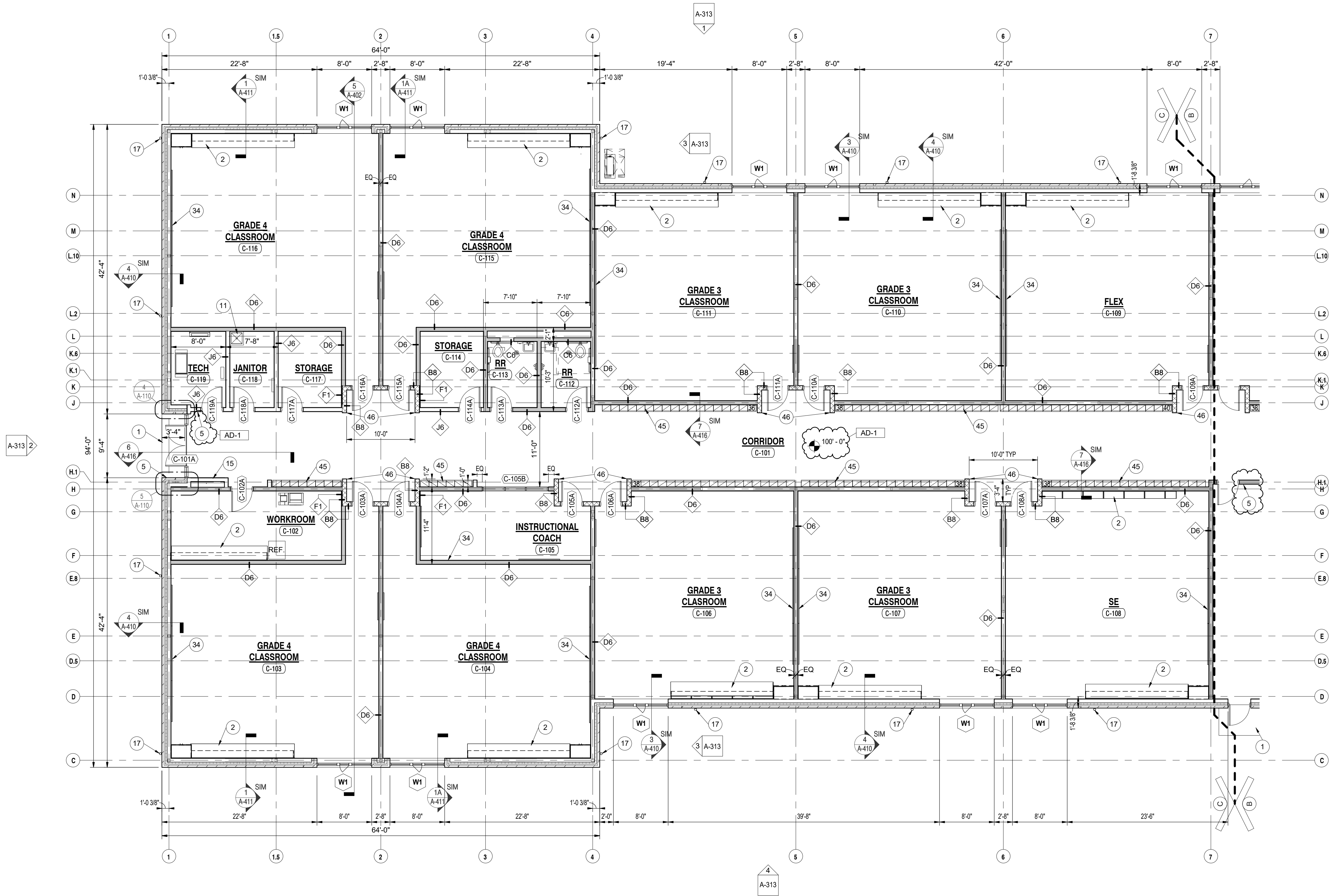
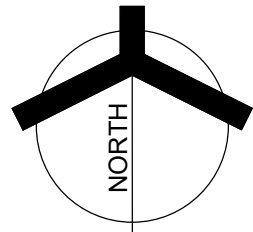
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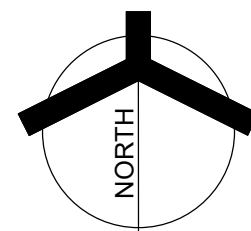
A-103



UNIT "B" ARCHITECTURAL MEZZANINE PLAN
A-103 1/8" = 1'-0"



UNIT "C" ARCHITECTURAL FIRST FLOOR PLAN
A-103 1/8" = 1'-0"





GIBRALTAR
DESIGN
ARCHITECTURE • ENGINEERING • INTERIOR DESIGN

PROJECT:

**NEW YOST
ELEMENTARY
SCHOOL**

DUNELAND SCHOOL
CORPORATION
100 W BEAM ST
PORTER, IN 46304

GENERAL NOTES:

- FOR GENERAL PROJECT NOTES, MATERIAL INDICATIONS, LEGEND, SYMBOL LEGEND, ABBREVIATION, ETC. REFER TO SHEET G-301.
- PLAN DIMENSIONS TO MASONRY WALLS ARE TO FACE OF ROUGH MASONRY. PLAN DIMENSIONS TO STUD WALLS ARE TO FACE OF FINISHED GYPSUM BOARD OR PLASTER. PLAN DIMENSIONS TO STUD WALLS WITH CERAMIC TILE FINISH ARE TO FACE OF TILE BACKER BOARD.
- ALL CMU WALLS THAT DO NOT LAY OUT IN FULL OR HALF LENGTHS SHOULD BE BALANCED SO AS TO NOT HAVE ANY PIECES LESS THAN 4" IN SIZE EXPOSED TO VIEW.
- MASONRY WALLS BEARING ON A THICKENED SLAB AT SLAB DEPRESSIONS REQUIRE CUT MASONRY UNITS SO THAT COURSING BEGINS AT THE FLOOR LINE.
- THE BASE FIRST FLOOR ELEVATION INDICATED FOR THE PROJECT IS 100'-0". REFER TO SITE PLAN FOR CORRELATION TO USGS DATUM.
- HINGE SIDE OF DOOR JAMB AT CMU WALLS SHALL BE LOCATED 8" MINIMUM FROM ADJACENT WALL AND HINGE SIDE OF DOOR JAMB AT GYPSUM BOARD WALLS SHALL BE LOCATED 4" MINIMUM FROM ADJACENT WALL UNLESS NOTED OTHERWISE.
- PROVIDE WOOD BLOCKING (OR METAL STRAPPING WHERE APPLICABLE) AS REQUIRED WITHIN METAL STUD WALLS FOR WALL MOUNTED ITEMS.
- REFER TO LIFE SAFETY PLANS REGARDING FIRE RATED WALL LOCATIONS AND OTHER CODE INFORMATION.
- INTERIOR CMU WALLS ARE TO BE RUNNING BOND UNLESS NOTED OTHERWISE.
- REFER TO FINISH PLANS FOR LOCATION AND EXTENT OF FINISHED FLOOR AND WALL MATERIALS.
- ALL EXPOSED CONCRETE MASONRY UNITS (CMU) CORNERS TO BE BULLNOSED, EXCEPT AT MASONRY BULKHEADS AND EXTERIOR WINDOW JAMBS.
- ALL INTERIOR RUNNING BOND FACE BRICK TO BE (TYPE D1) COLOR D - 1/3 RUNNING BOND - 4X4X12 UTILITY. ALL INTERIOR SOLDIER COURSE FACE BRICK TO BE (TYPE D2-1) COLOR D - SOLDIER COURSE - 4X4X8 CLOSURE.
- REFER TO EQUIPMENT PLANS FOR CASEWORK, DISPLAY BOARDS, LOCKERS, AND OTHER ADDITIONAL TYPICAL EQUIPMENT NOTES AND INFORMATION.
- REFER TO EQUIPMENT PLANS FOR REFERENCE TO ENLARGED TOILET ROOM PLANS AND TOILET ACCESSORIES.

PLAN LEGEND:

- XX** INDICATES WINDOW SYSTEM. REFER TO A-500 SERIES DRAWINGS FOR ELEVATIONS AND DETAILS.
- WXX** INDICATES WALL TYPES. REFER TO G-302 FOR WALL THICKNESS, HEIGHT, AND COMPOSITION.

PLAN NOTES:

- CONCRETE STOOPT. PROVIDE SCORED JOINTS ON SURFACE TO ALIGN WITH CONCRETE SIDEWALK JOINTS. REFER TO STRUCTURAL DRAWINGS.
- CASEWORK AND/OR MILLWORK (TYPICAL). REFER TO EQUIPMENT PLANS.
- DASHED LINE INDICATES TYPICAL BULKHEAD. REFER TO SECTIONS AND REFLECTED CEILING PLANS.
- PUSH PAD FOR ADA OPERATOR. REFER TO ELECTRICAL DRAWINGS.
- CARDIOFOR READER. REFER TO ELECTRICAL/TECHNOLOGY DRAWINGS.
- AI DEVICE. REFER TO ELECTRICAL/TECHNOLOGY DRAWINGS.
- FIRE ALARM PANEL. REFER TO ELECTRICAL DRAWINGS.
- FIRE ALARM ANNUNCIATOR PANEL. REFER TO ELECTRICAL DRAWINGS.
- INSTALL NEW 1 1/2" O.D. ANODIZED ALUMINUM HANDRAIL WITH ALUMINUM BRACKETS AT 36" ABOVE SLOPE OF RAMP AND FLOOR. EXTEND RAIL 12" PAST TOP AND BOTTOM OF RAMP AND RETURN ENDS TO WALL.
- GYM EQUIPMENT (TYPICAL). REFER TO EQUIPMENT DRAWINGS.
- MOP SINK. REFER TO PLUMBING DRAWINGS. PROVIDE MOP HOLDER.
- WASH FOUNTAIN. REFER TO PLUMBING DRAWINGS.
- ROOF HATCH AND LADDER.
- NOT USED.
- CABINET HEATER. REFER TO MECHANICAL DRAWINGS.
- ROOF CONDUCTOR. REFER TO PLUMBING DRAWINGS.
- DOWNSPOUT. REFER TO ROOF PLAN.
- LINE OF CANOPY ABOVE. REFER TO SECTIONS.
- 6" PIPE BOLLARD. REFER TO CIVIL DRAWINGS.
- DATE STONE AND TIME CAPSULE.
- ROOF BELOW. REFER TO ROOF PLAN.
- ALUMINUM DIVIDER RAIL.
- FIRE EXTINGUISHER (WALL MOUNTED). REFER TO EQUIPMENT PLANS FOR ADDITIONAL FIRE EXTINGUISHERS AND CABINETS.
- ELECTRIC WATER COOLER. REFER TO PLUMBING DRAWINGS.
- ACCESSIBLE ELECTRIC WATER COOLER WITH BOTTLE FILLER AND BUBBLER. REFER TO PLUMBING DRAWINGS.
- KNOW BOX.
- PROVIDE 4" HIGH CONCRETE EQUIPMENT/HOUSEKEEPING PAD UNDER ALL EQUIPMENT IN THIS ROOM. VERIFY SIZE AND LOCATION WITH MECHANICAL AND ELECTRICAL TRADES.
- CONCRETE EQUIPMENT PAD. VERIFY SIZE AND LOCATION WITH MECHANICAL AND ELECTRICAL TRADES. REFER TO STRUCTURAL DRAWINGS FOR DETAILS.
- 6" OF #5'S CRUSHED STONE. REFER TO CIVIL DRAWINGS.
- ALUMINUM GATE WITH STEEL FRAME AND POST.
- ACOUSTICAL SOUND Baffle PANELS WITH 2" THICK FIBERGLASS INSULATION (BOTTOM AT ELEVATION 100'-8" TOP AT ELEVATION 108'-4"). PROVIDE ALUMINUM J MOLDING AT PERIMETER OF PANELS AND 1/8" TERMINATION BAR AT TOP OF PANELS.
- PROVIDE SPRAY ACOUSTICAL INSULATION ON BOTTOM OF ENTIRE MEZZANINE FLOOR DECK AT THIS LOCATION.
- 1" SEMI-RIGID INSULATION FROM TOP OF CURB TO ROOF DECK.
- DISPLAY CASE.
- DISPLAY WALL/MONITOR (TYP). REFER TO EQUIPMENT DRAWINGS.
- ROLLING SHUTTER DOOR.
- ROLLING COUNTER DOOR.
- ROLLING SERVICE DOOR.
- RETURN AIR GRILL COVER.
- CHASE WALL WITH SOLID SURFACE TOP.
- INSTALL 2 1/8" RIGID INSULATION ON EXTERIOR WALL OF CHASE FROM TOP OF SLAB TO TOP OF CHASE.
- 1/2" GAP IN WALL WITH SEALANT AND BACKER ROD AT ALL EXPOSED FACES.
- PROVIDE 4" TALL CONCRETE CURB AROUND PERIMETER OF MEZZANINE AND OPENINGS FOR VERTICAL CIRCULATION. REFER TO SECTIONS AND STRUCTURAL DRAWINGS.
- ALTERNATE: FOLDING PARTITION (MANUAL).
- CAVITY INSULATION AND MASONRY TO CONTINUE THROUGH CANOPY PLENUM. SEAL INSULATION TIGHT TO PENETRATING BEAMS WITH FOAM INSULATION. PROVIDE MEMBRANE FLASHING OVER TOP OF BEAMS EXPOSED IN BRICK CAVITY.
- METAL LOCKERS. REFER TO EQUIPMENT PLANS.
- ALTERNATE: FACE OF EXPOSED CMU IN THIS AREA SHALL BE GROUND FACE CONCRETE MASONRY UNITS (GFCMU). BASE BID: STANDARD PAINTED CMU. REFER TO FINISH PLANS.
- TRANSITION FROM GFCMU TO PAINTED CMU AT THIS POINT.
- LAMINATE 5/8" GYPSUM BOARD TO FACE OF FOUNDATION WALL.
- ALTERNATE: STAIRS, HANDRAILS, WALL OPENING. BASE BID: CONCRETE SLAB, ROOM D-105A STORAGE.
- CUBICLE CURTAIN.
- CYCLORAMA CURTAIN.
- LAMINATE TEMPORARY INSULATION AS PART OF PHASE 1 ALONG THIS WALL FROM FINISH FLOOR TO ROOF DECK. REMOVE AND REPLACE WITH GYPSUM BOARD FROM FINISH FLOOR TO 4" ABOVE CEILING IN PHASE 2.

KEY PLAN

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PROJECT

21-134

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03/31/2022

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REVISIONS

MARK DATE ISSUED FOR

AD-1 4/14/2022 ADDENDUM 1

DRAWING
UNIT "D" ARCHITECTURAL FIRST
FLOOR PLAN

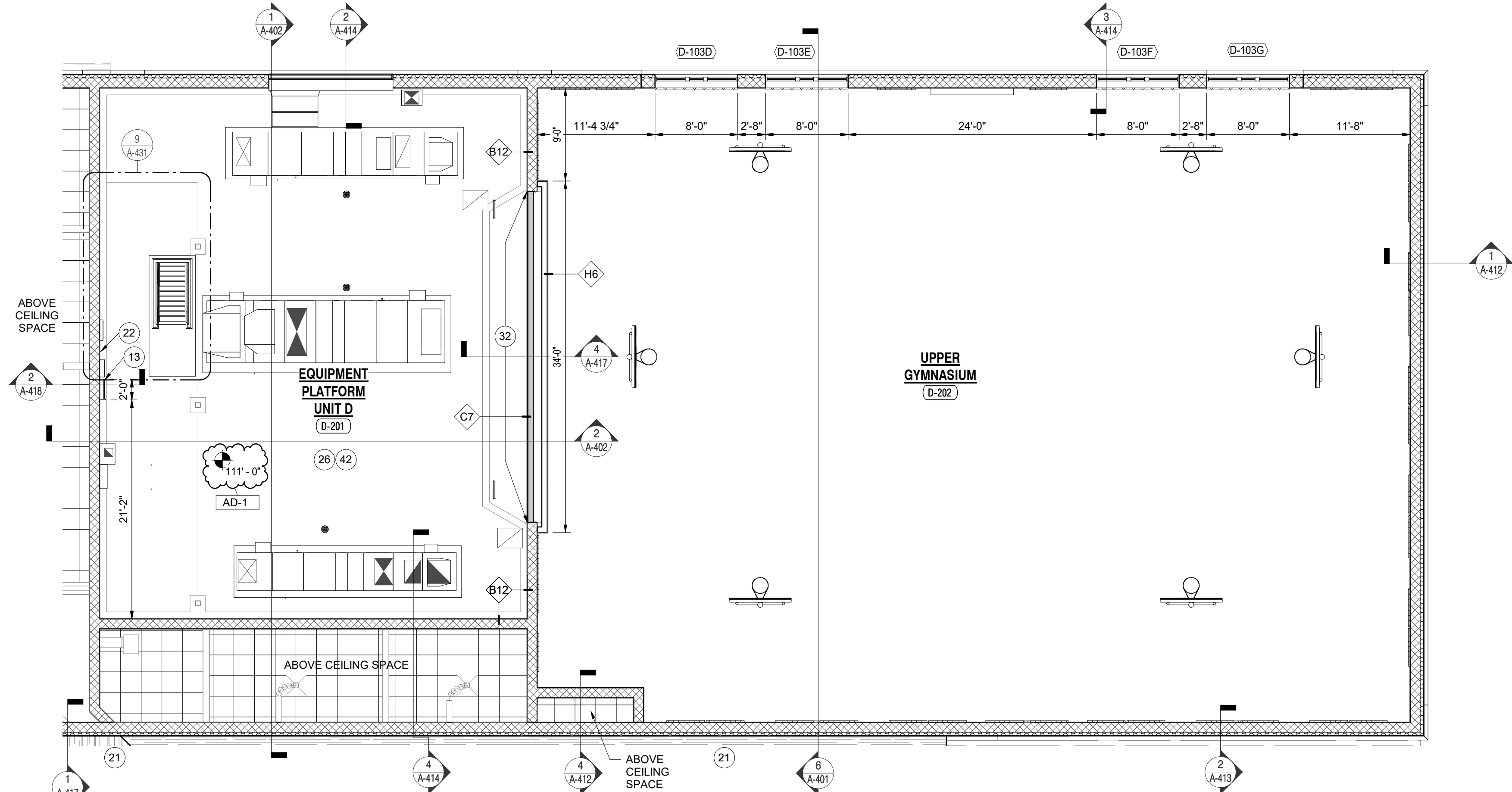
PROJECT
NEW YOST ELEMENTARY SCHOOL

GIBRALTAR
DESIGN

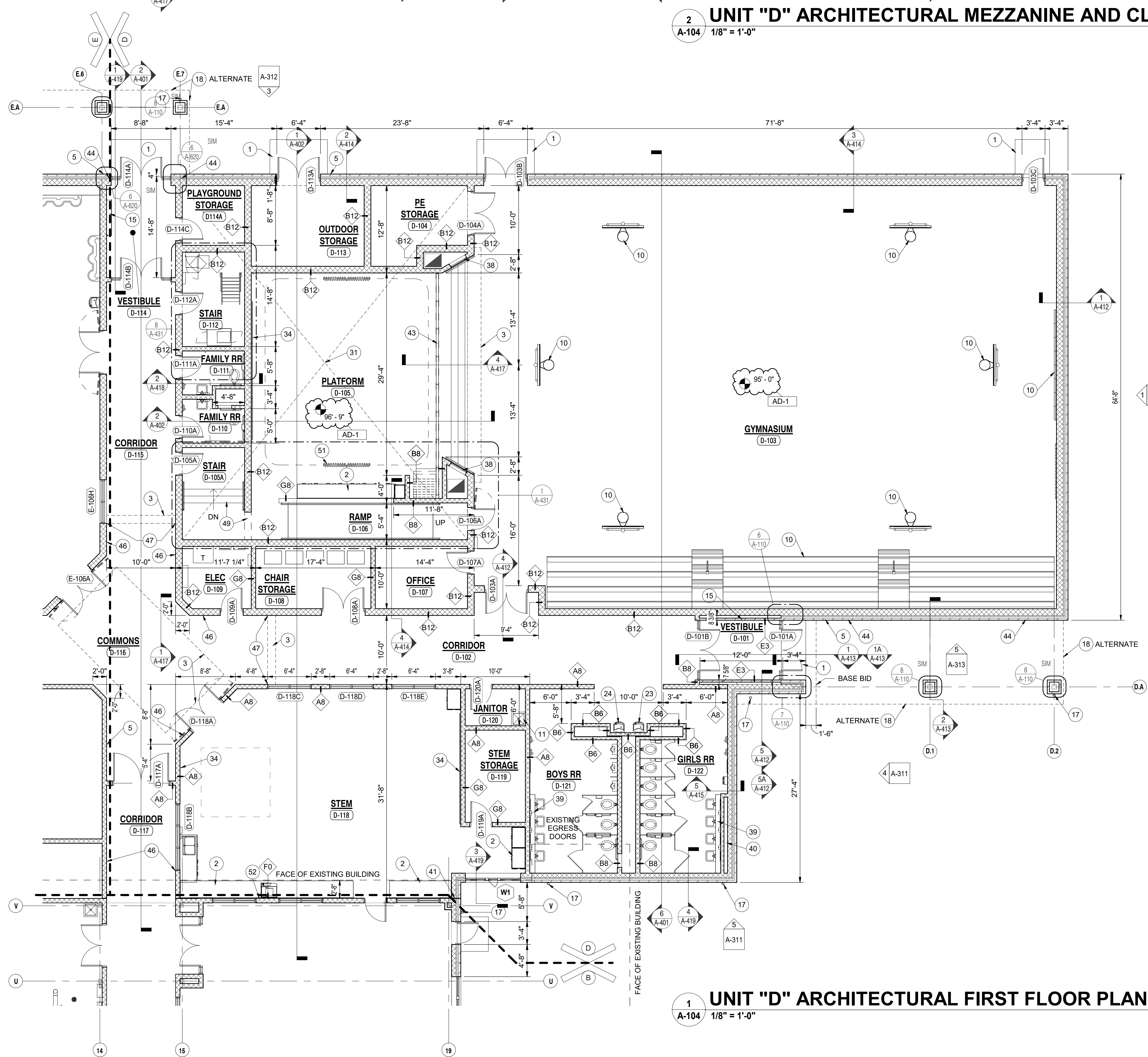
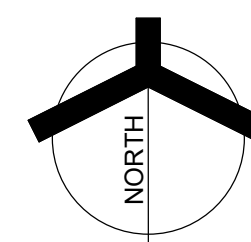
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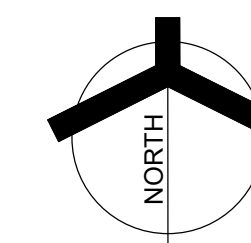
A-104



UNIT "D" ARCHITECTURAL MEZZANINE AND CLERESTORY PLAN
1
A-104 1/8" = 1'-0"



UNIT "D" ARCHITECTURAL FIRST FLOOR PLAN
1
A-104 1/8" = 1'-0"



ROOF LEGEND AND
TYPICAL DETAILS:

- ELEVATION TOP OF NEW ROOF DECK
+X INDICATES APPROXIMATE THICKNESS OF INSULATION
← INDICATES ROOF SLOPE (1/4" PER 12")
— INDICATES ROOF SADDLE SLOPE (1/2" PER 12")
○ ROOF DRAIN
— ROOF DRAINAGE SADDLE
ALL SLOPES SHALL BE 1/2" PER 12"
HATCH PATTERN INDICATES TAPERED INSULATION OVER FLAT INSULATION AS REQUIRED TO MAINTAIN 1/4" SLOPE TO DRAIN
WALKWAY PADS
EXHAUST FAN
PLUMBING VENT

ROOF PLAN NOTES:

- 1 ROOF LADDER
2 ROOF HATCH
3 MECHANICAL UNIT/EQUIPMENT - REFER TO MECHANICAL DRAWINGS. FLASH CURB PER ROOFING MANUFACTURERS STANDARD DETAILS AND SPECIFICATIONS.
4 4" X 3" ALUMINUM DOWNSPOUT.
5 REFER TO WALL SECTIONS FOR METAL COPING ON TOP OF COLUMN BELOW CANOPY.
6 PROVIDE TEMPORARY ROOF CLOSURE AS PART OF PHASE 1 CONSTRUCTION. DURING PHASE 2 REMOVE TEMPORARY CLOSURE AND TIE NEW ROOFING SYSTEM INTO ROOFING SYSTEM FROM PHASE 1.
7 RETURN FASCIA AT END OF WALL.
8 SNOW GUARDS AS RECOMMENDED BY ROOFING MANUFACTURER. PROVIDE WOOD BLOCKING AS REQUIRED FOR INSTALLATION.
9 MAKE-UP AIR UNIT. REFER TO KITCHEN AND MECHANICAL DRAWINGS.
10 CONDENSING UNIT. REFER TO KITCHEN AND MECHANICAL DRAWINGS.
11 CONDENSATE FAN. REFER TO KITCHEN AND MECHANICAL DRAWINGS.
12 EXHAUST FAN. REFER TO MECHANICAL DRAWINGS.
13 PLUMBING VENT. REFER TO PLUMBING DRAWINGS.

ROOF EDGE DETAILS:

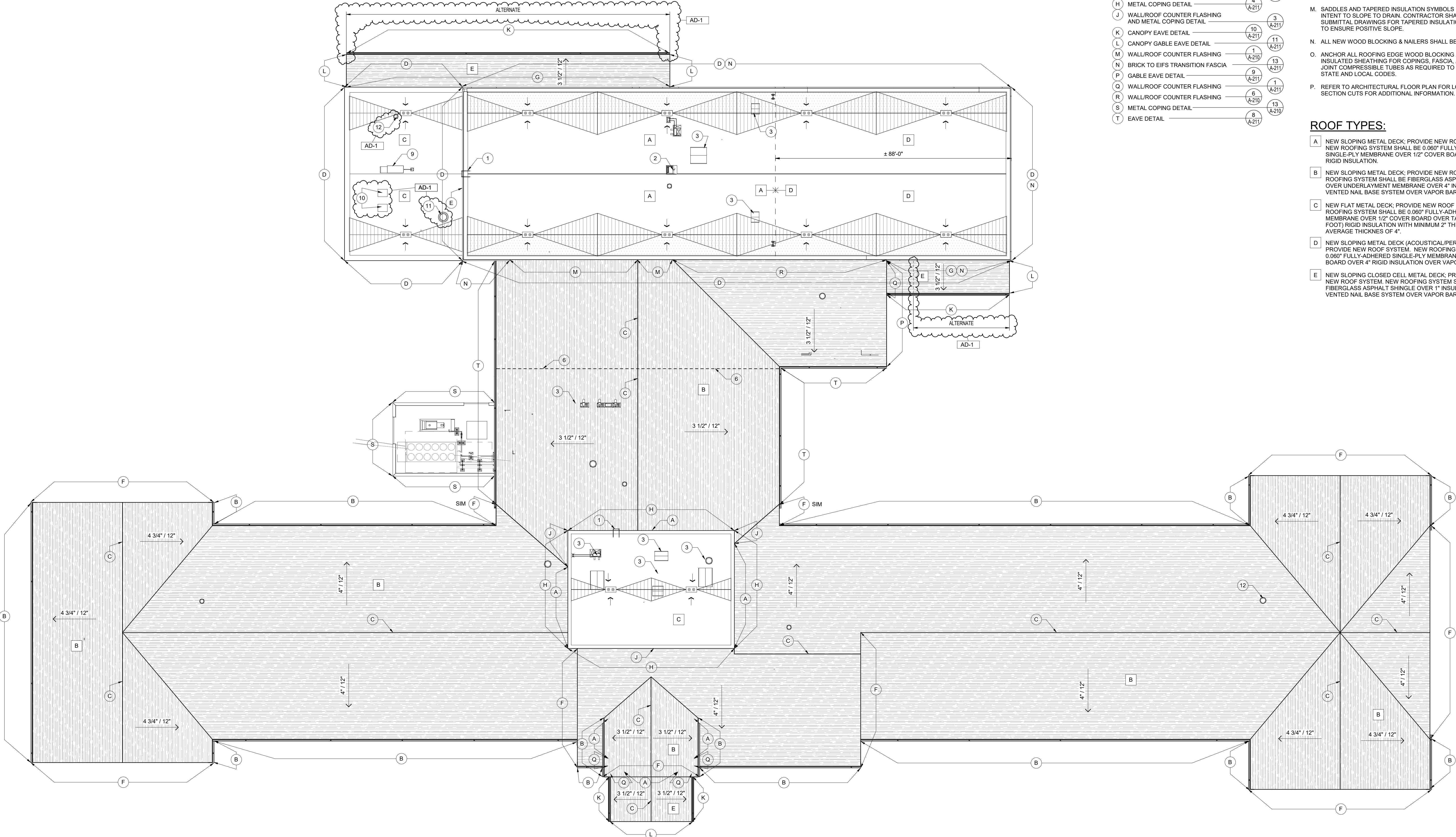
- A WALL/ROOF COUNTER FLASHING
B EAVE DETAIL
C RIDGE VENT DETAIL
D METAL COPING DETAIL
E WALL/ROOF COUNTER FLASHING (FULL LENGTH OF WALL)
F GABLE EAVE DETAIL
G WALL/ROOF COUNTER FLASHING
H METAL COPING DETAIL
J WALL/ROOF COUNTER FLASHING AND METAL COPING DETAIL
K CANOPY EAVE DETAIL
L CANOPY GABLE EAVE DETAIL
M WALL/ROOF COUNTER FLASHING
N BRICK TO EIFS TRANSITION FASCIA
P GABLE EAVE DETAIL
Q WALL/ROOF COUNTER FLASHING
R WALL/ROOF COUNTER FLASHING
S METAL COPING DETAIL
T EAVE DETAIL

GENERAL ROOFING NOTES

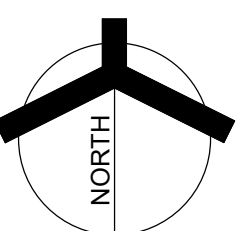
- A. FOR GENERAL NOTES, MATERIAL IDENTIFICATIONS LEGEND, SYMBOL LEGEND, ABBREVIATIONS, ETC. REFER TO SHEET G-301.
B. THE ROOFING INSTALLER SHALL VERIFY ALL DIMENSIONS, CLEARANCES, AND ALL EXISTING FIELD CONDITIONS BEFORE STARTING CONSTRUCTION. COMMENCEMENT OF WORK CONSTITUTES ACCEPTANCE OF CONDITIONS. SHOULD DIFFERENT CONDITIONS BE ENCOUNTERED, CONTACT THE ARCHITECT BEFORE PROCEEDING WITH WORK.
C. THE ROOFING INSTALLER SHALL BE RESPONSIBLE FOR THE REPAIR OR REPLACEMENT OF ALL DAMAGE CAUSED BY THE IMPROPER STORAGE OR STACKING OF ROOFING MATERIALS.
D. ALL DIMENSIONS INDICATED ON ROOF PLAN ARE APPROXIMATE. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ACCURATE FIELD MEASUREMENTS FOR THE EXECUTION OF HIS WORK AND PRIOR TO ANY FABRICATION OF THE VARIOUS MATERIALS.
E. THE ROOFING CONTRACTOR SHALL PROTECT ALL ROOF DRAINS, SCUPPERS AND DOWNSPOUTS FROM DEBRIS CREATED DURING CONSTRUCTION. THE ROOFING INSTALLER SHALL INSPECT AND CLEAR ALL DRAINS, SCUPPERS, AND DOWNSPOUTS PRIOR TO COMPLETION OF NEW WORK TO ENSURE THAT THEY ARE FREE OF DEBRIS AND FUNCTIONING PROPERLY.
F. ROOF DRAIN LOCATIONS INDICATE DESIGN INTENT. COORDINATE LOCATIONS WITH STRUCTURAL, MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS.
G. FOR LOCATION, TYPE, AND SIZE OF ALL ROOF TOP MECHANICAL EQUIPMENT REFER TO MECHANICAL DRAWINGS.
H. FOR LOCATIONS OF ALL PLUMBING VENTS REFER TO PLUMBING DRAWINGS.
I. EXTEND ALL PLUMBING VENTS SO THAT THE TOP IS A MINIMUM OF 12" ABOVE THE ROOFING MEMBRANE.
J. PROVIDE FLASHING AND A TWO PIECE COUNTER FLASHING WHERE ROOFING ABUTS WALL, UNLESS OTHERWISE NOTED OR DETAILED.
K. PROVIDE FLASHING AT ALL VENTS, MECHANICAL CURBS, MASONRY WALLS, FLUES, DRAINS, FASCIAS, ETC. IN ACCORDANCE WITH THESE DRAWINGS AND SPECIFICATIONS, AND WITH ROOFING MANUFACTURERS STANDARD DETAILS AND SPECIFICATIONS.
L. CONTRACTOR TO PROVIDE CRICKETS AND/OR ROOF SADDLES AS REQUIRED TO PROMOTE POSITIVE DRAINAGE AROUND ALL ROOF TOP PENETRATIONS.
M. SADDLES AND TAPERED INSULATION SYMBOLS INDICATE DESIGN INTENT TO SLOPE TO DRAIN. CONTRACTOR SHALL PROVIDE SUBMITTAL DRAWINGS FOR TAPERED INSULATION AND SADDLES TO ENSURE POSITIVE SLOPE.
N. ALL NEW WOOD BLOCKING & NAILERS SHALL BE TREATED WOOD.
O. ANCHOR ALL ROOFING EDGE WOOD BLOCKING AND STRUCTURAL INSULATED SHEATHING FOR COPINGS, FASCIA, AND EXPANSION JOINT COMPRESSIBLE TUBES AS REQUIRED TO CONFORM TO STATE AND LOCAL CODES.
P. REFER TO ARCHITECTURAL FLOOR PLAN FOR LOCATION OF SECTION CUTS FOR ADDITIONAL INFORMATION.

ROOF TYPES:

- A NEW SLOPING METAL DECK; PROVIDE NEW ROOF SYSTEM. NEW ROOFING SYSTEM SHALL BE 0.060" FULLY-ADHERED SINGLE-PLY MEMBRANE OVER 1/2" COVER BOARD OVER 4" RIGID INSULATION.
B NEW SLOPING METAL DECK; PROVIDE NEW ROOF SYSTEM. NEW ROOFING SYSTEM SHALL BE FIBERGLASS ASPHALT SHINGLE OVER UNDERLAYMENT MEMBRANE OVER 4" INSULATED VENTED NAIL BASE SYSTEM OVER VAPOR BARRIER.
C NEW FLAT METAL DECK; PROVIDE NEW ROOF SYSTEM. NEW ROOFING SYSTEM SHALL BE 0.060" FULLY-ADHERED SINGLE-PLY MEMBRANE OVER 1/2" COVER BOARD OVER TAPERED (1/4" PER FOOT) RIGID INSULATION WITH MINIMUM 2" THICKNESS AND AVERAGE THICKNESS OF 4".
D NEW SLOPING METAL DECK (ACOUSTICAL/PERFORATED); PROVIDE NEW ROOF SYSTEM. NEW ROOFING SYSTEM SHALL BE 0.060" FULLY-ADHERED SINGLE-PLY MEMBRANE OVER 1/2" COVER BOARD OVER 4" RIGID INSULATION OVER VAPOR BARRIER.
E NEW SLOPING CLOSED CELL METAL DECK; PROVIDE NEW ROOF SYSTEM. NEW ROOFING SYSTEM SHALL BE FIBERGLASS ASPHALT SHINGLE OVER 1" INSULATED VENTED NAIL BASE SYSTEM OVER VAPOR BARRIER.



1
A-201
OVERALL ROOF PLAN
1/16" = 1'-0"

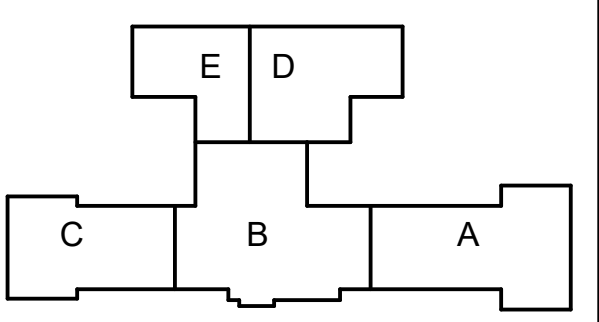


GIBRALTAR
DESIGN
ARCHITECTURE • ENGINEERING • INTERIOR DESIGN

PROJECT:

**NEW YOST
ELEMENTARY
SCHOOL**

DUNELAND SCHOOL
CORPORATION
100 W BEAM ST
PORTER, IN 46304



KEY PLAN

GIBRALTAR DESIGN

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PROJECT

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REVISIONS

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AD-1 4/14/2022 ADDENDUM 1

DRAWING

OVERALL ARCHITECTURAL
ROOF PLAN

PROJECT

NEW YOST ELEMENTARY SCHOOL

GIBRALTAR
DESIGN

SHEET

A-201

NEW YOST
ELEMENTARY
SCHOOL

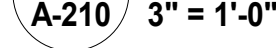
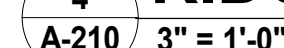
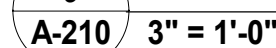
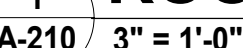
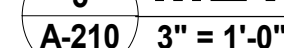
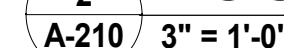
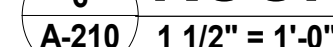
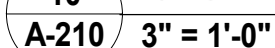
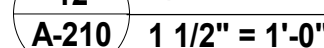
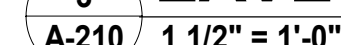
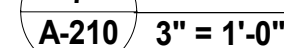
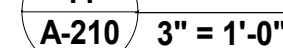
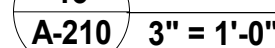
GIBRALTAR DESIGN

REVISIONS

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A-210





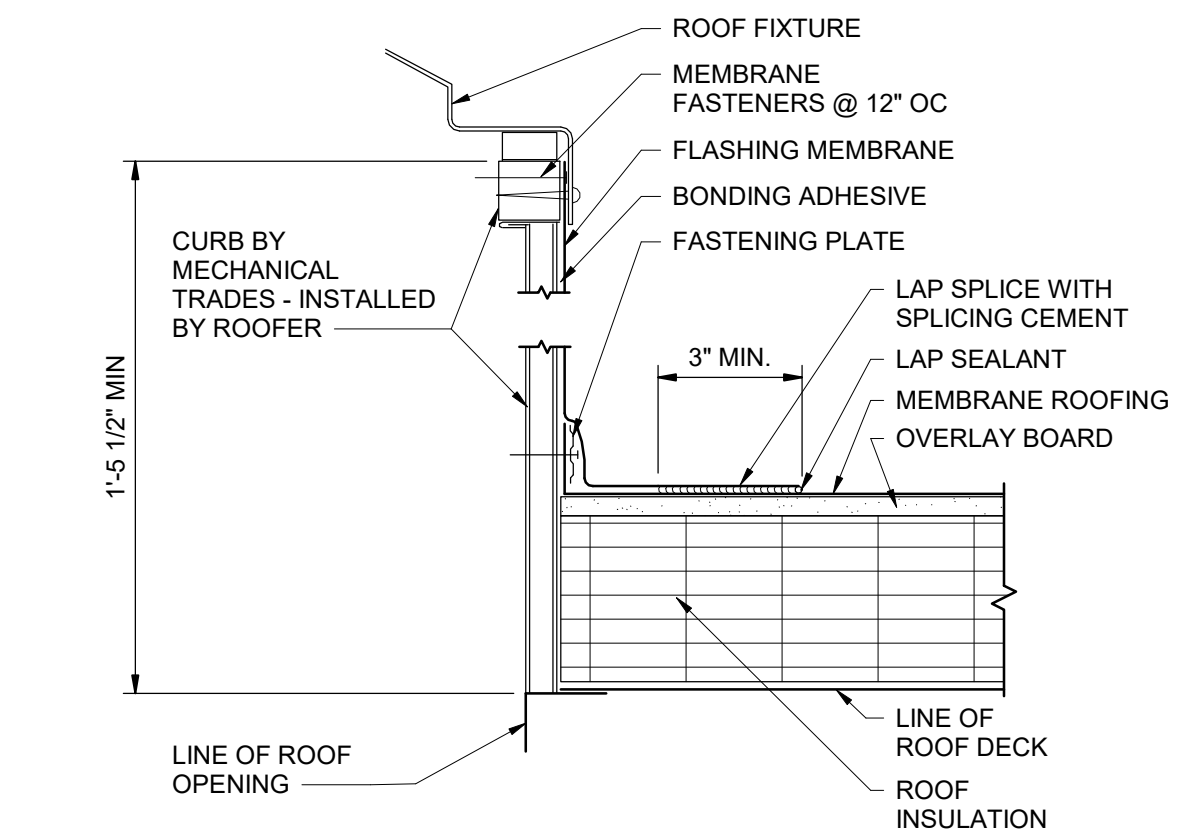
GIBRALTAR DESIGN

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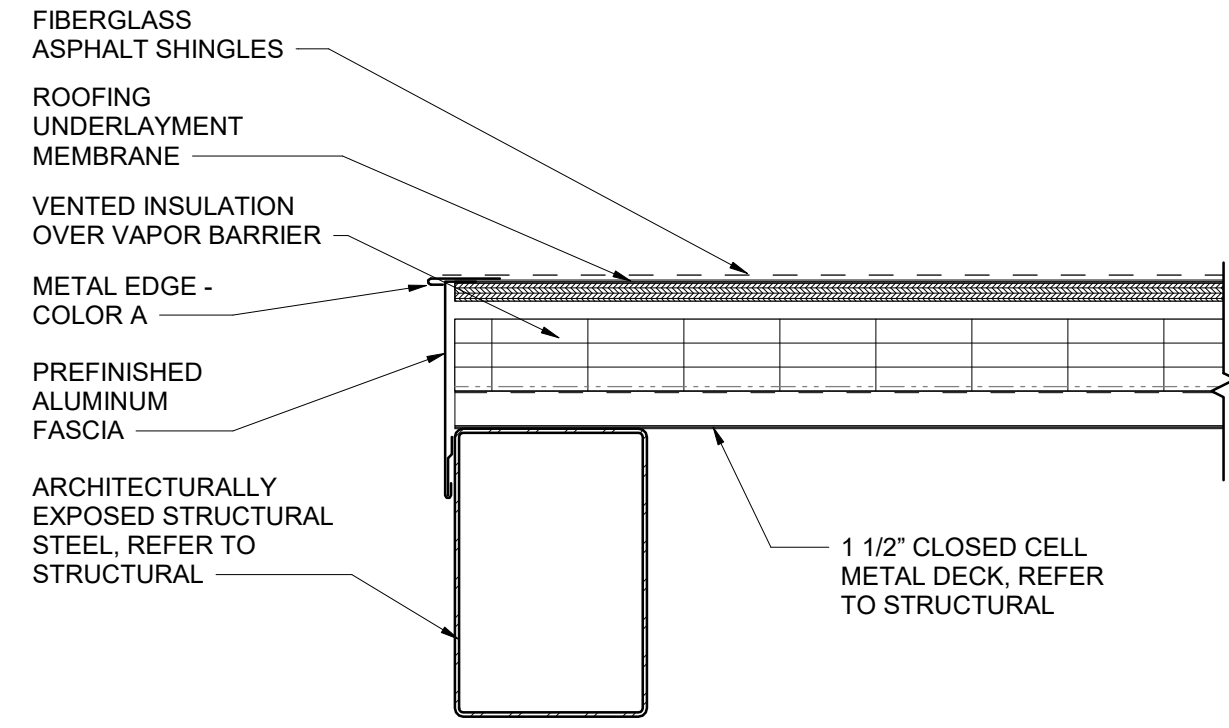
PROJECT:

NEW YOST ELEMENTARY SCHOOL

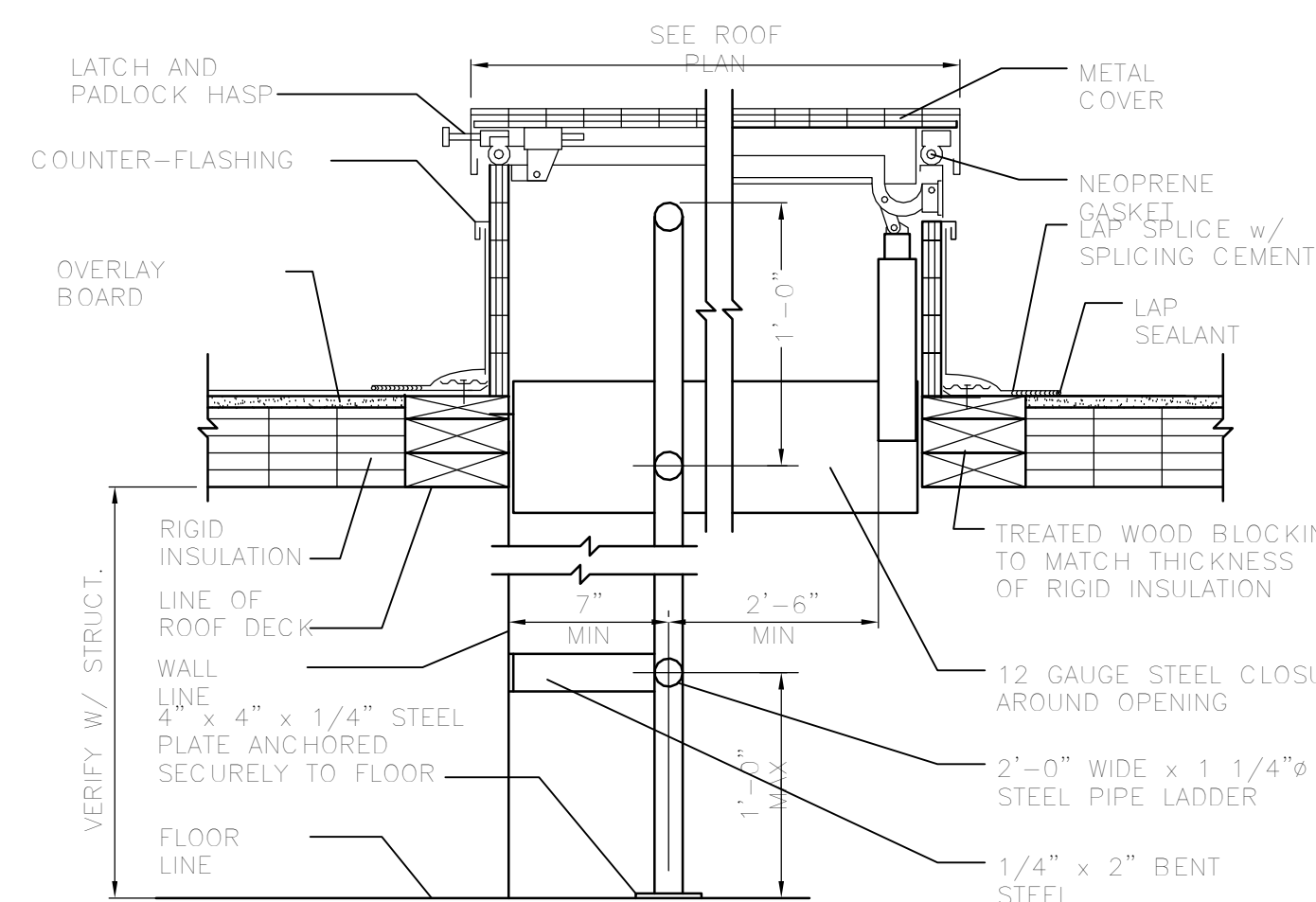
DUNELAND SCHOOL CORPORATION
100 W BEAM ST
PORTER, IN 46304



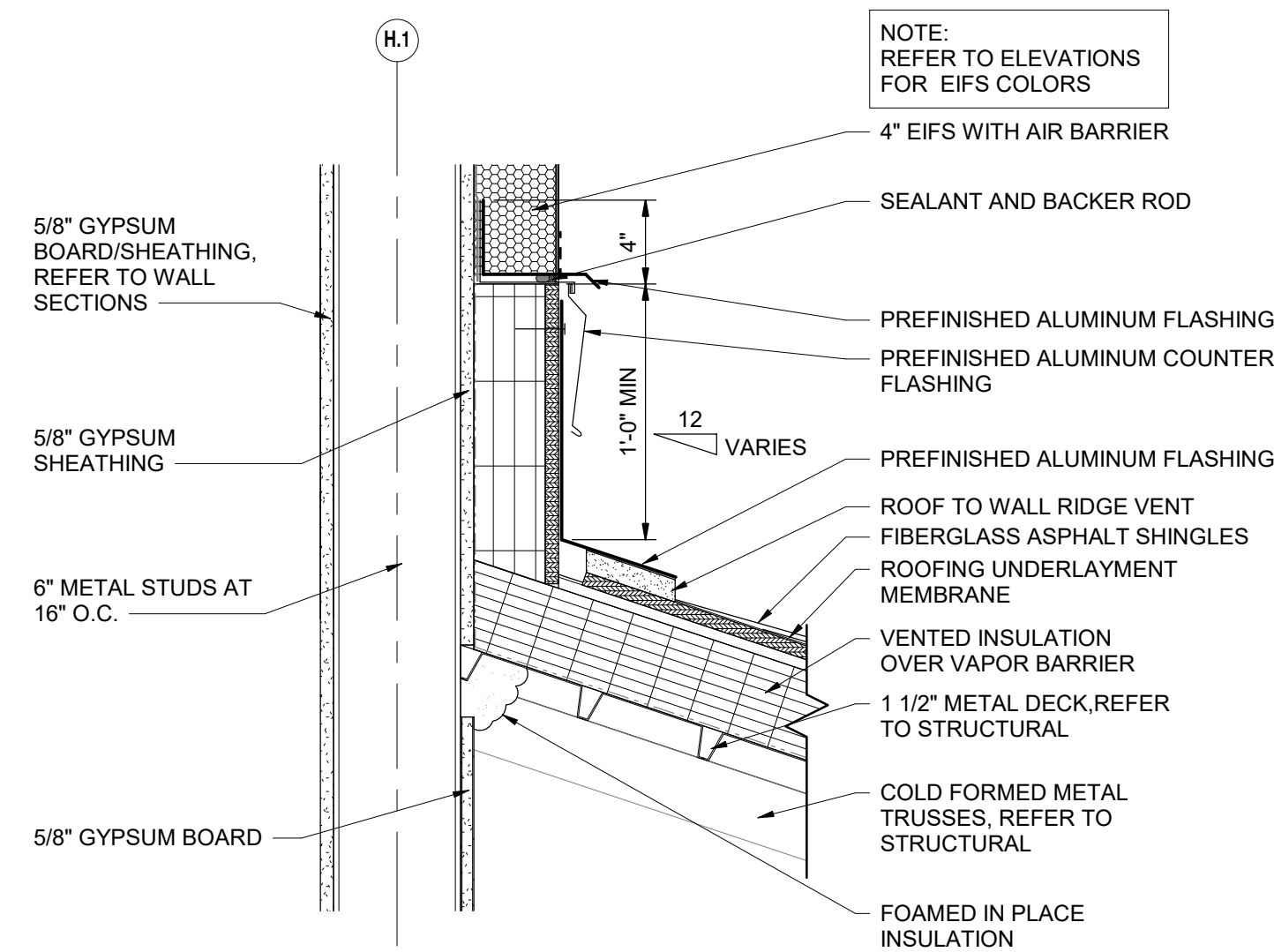
15 ROOF FIXTURE CURB FLASHING
A-211 3" = 1'-0"



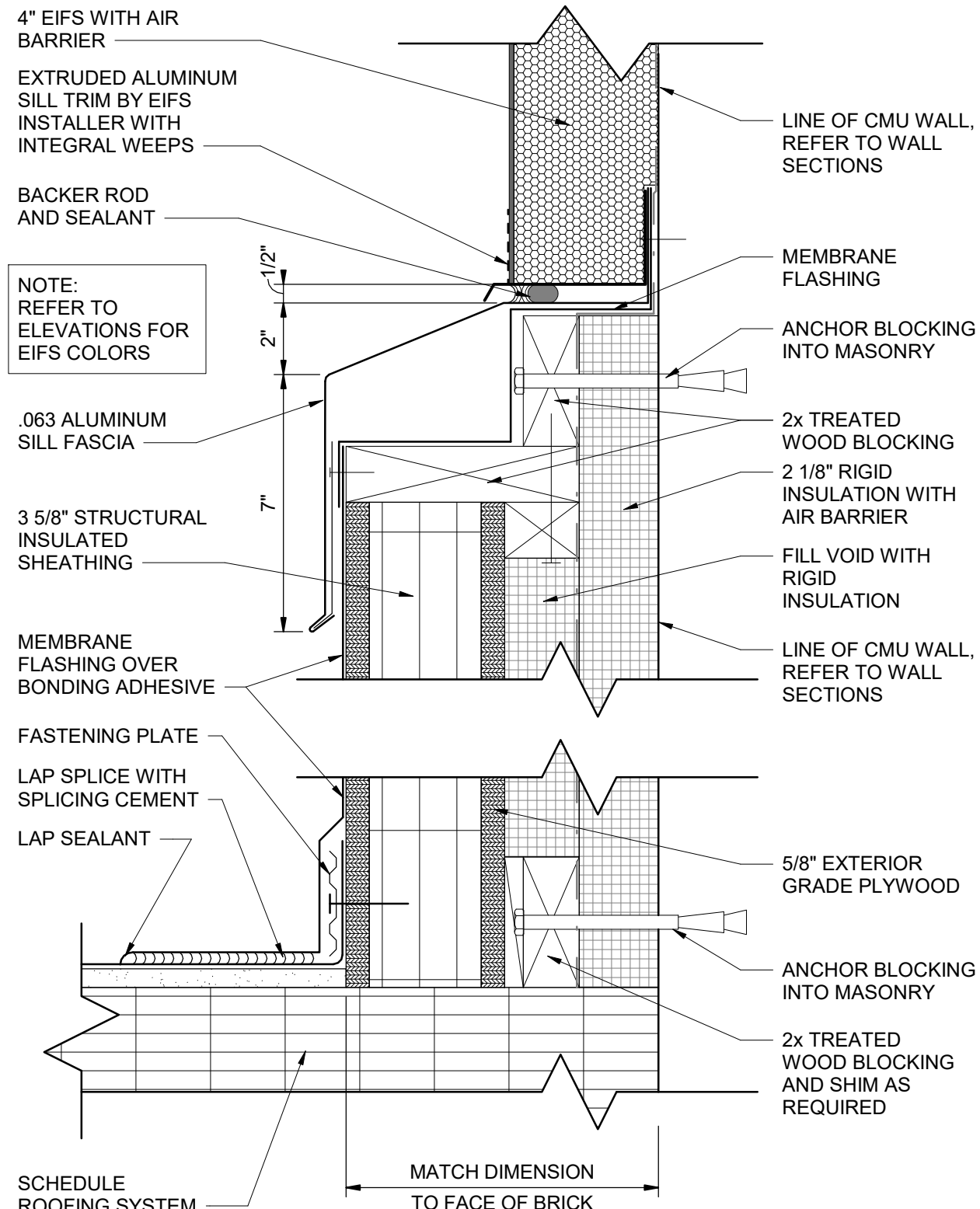
11 GABLE EAVE DETAIL
A-211 1 1/2" = 1'-0"



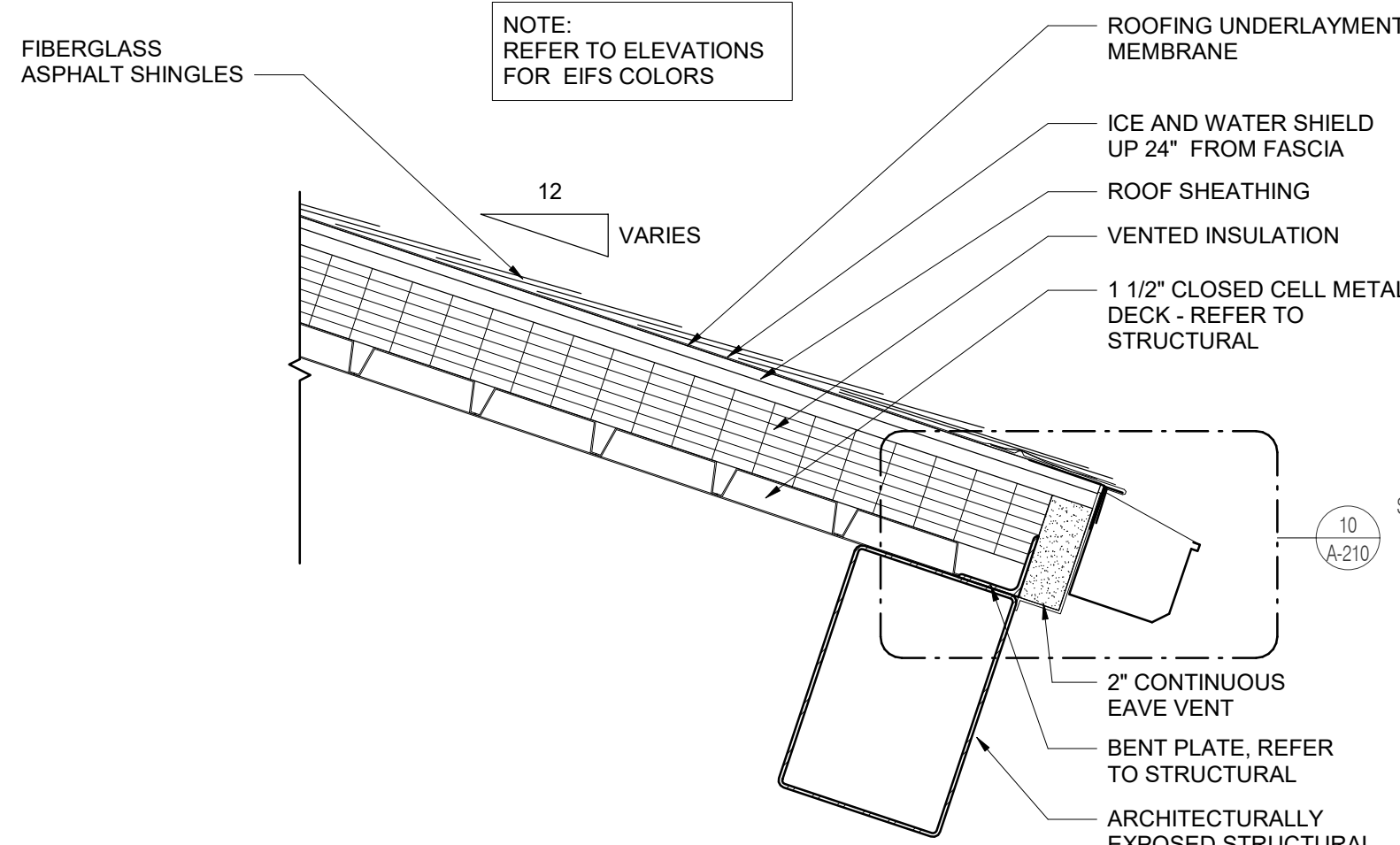
7 ROOF HATCH DETAIL
A-211 1 1/2" = 1'-0"



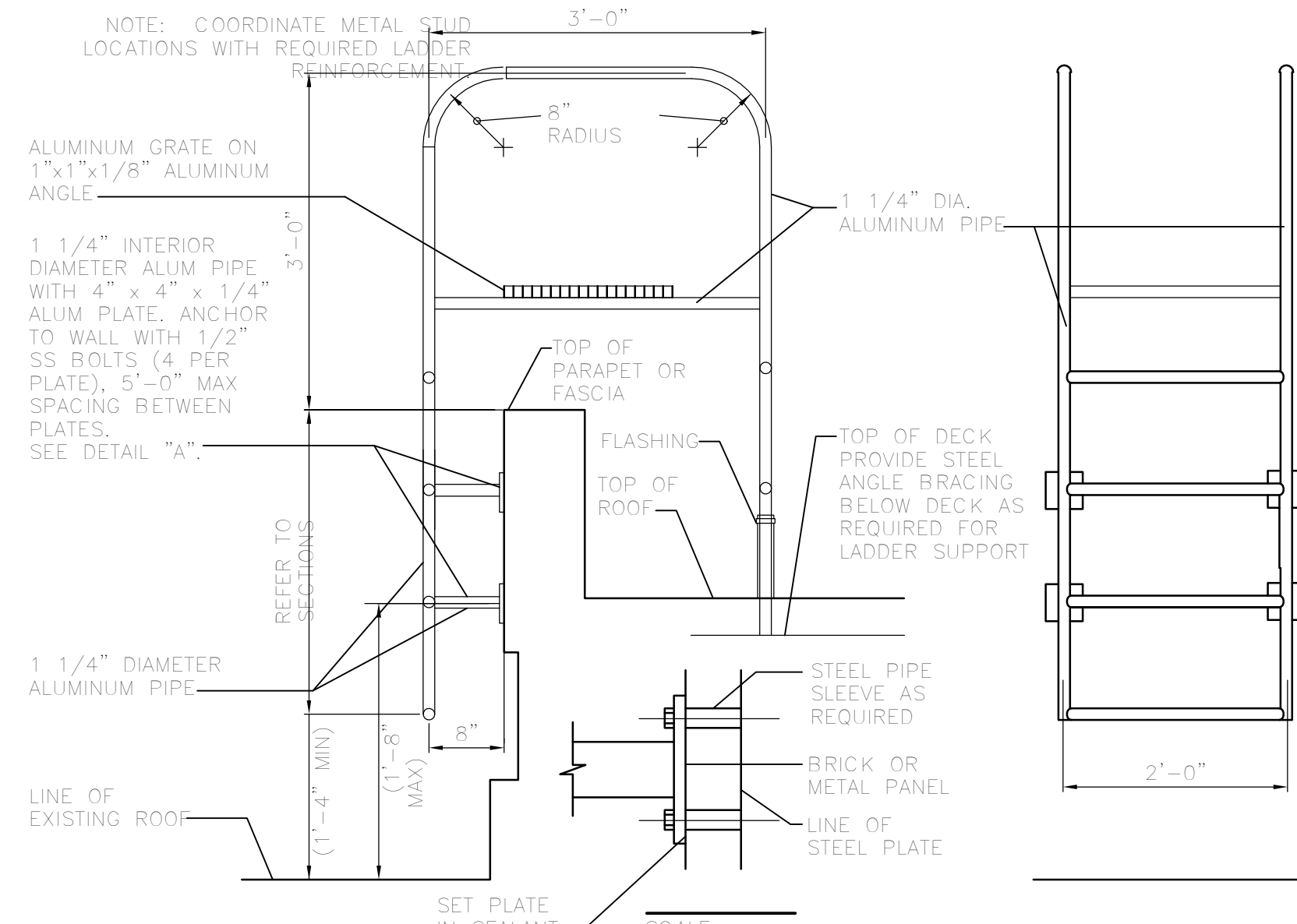
3 ROOF FLASHING DETAIL
A-211 1 1/2" = 1'-0"



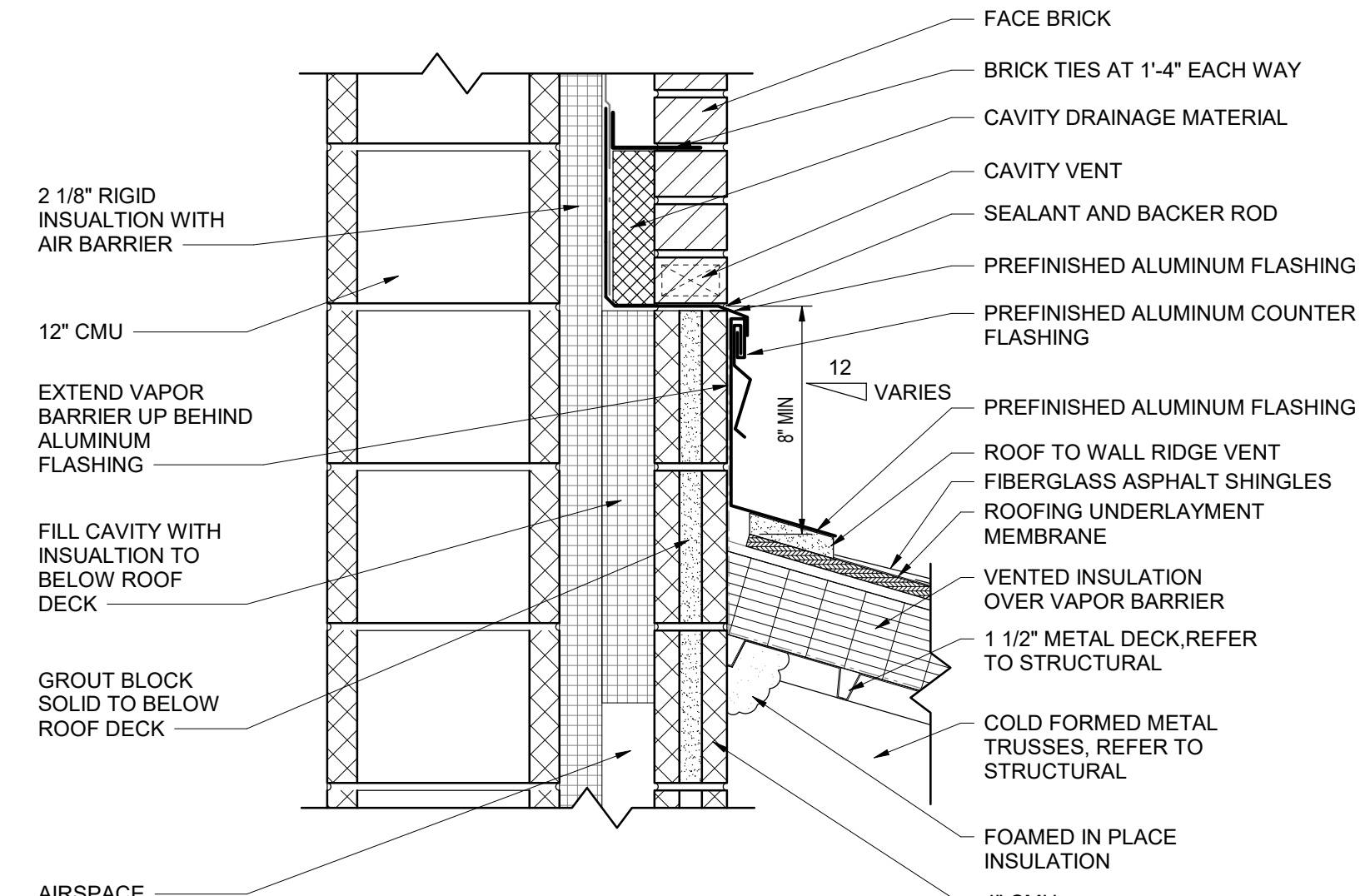
14 TRANSITION FASCIA DETAIL
A-211 3" = 1'-0"



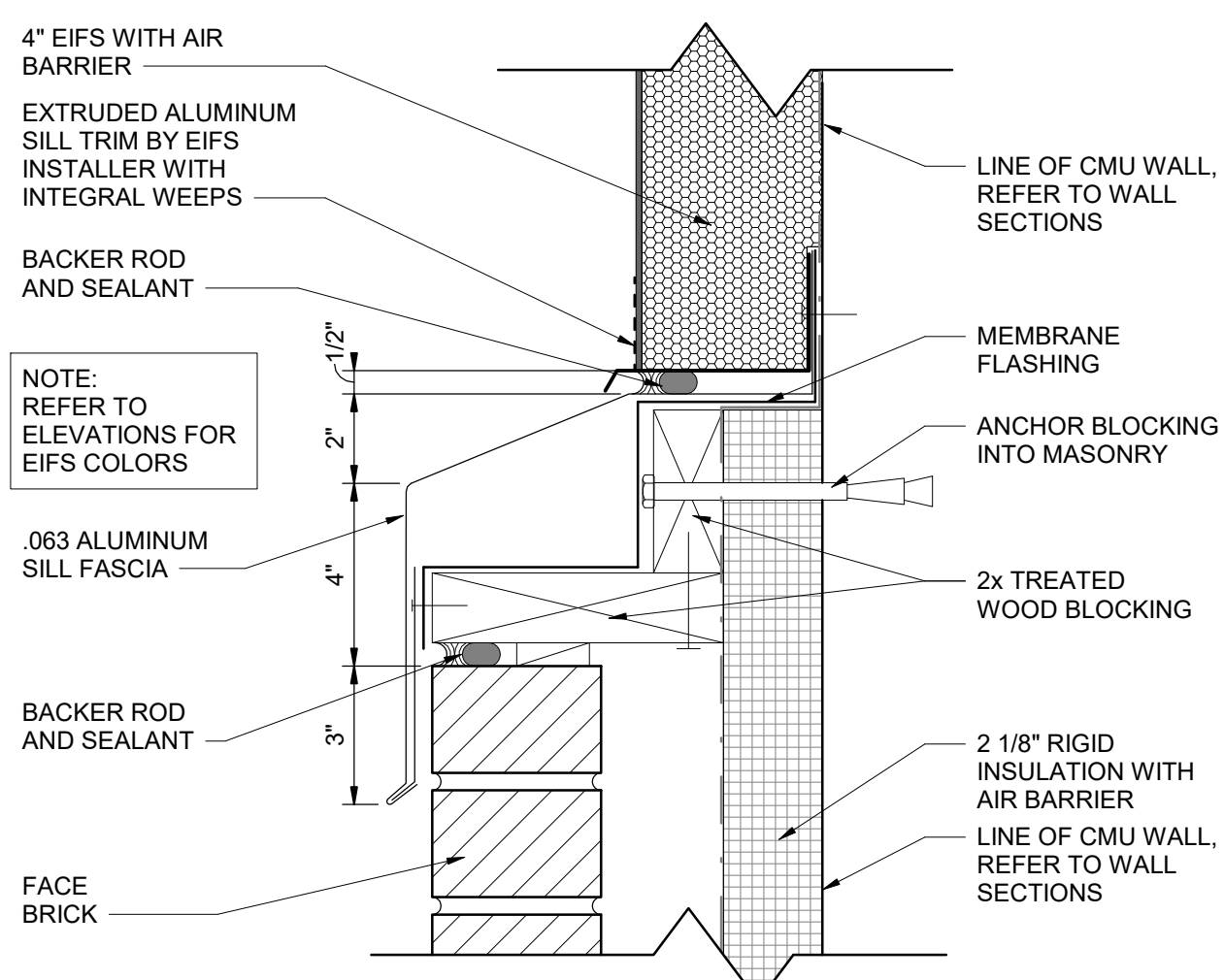
10 EAVE DETAIL
A-211 1 1/2" = 1'-0"



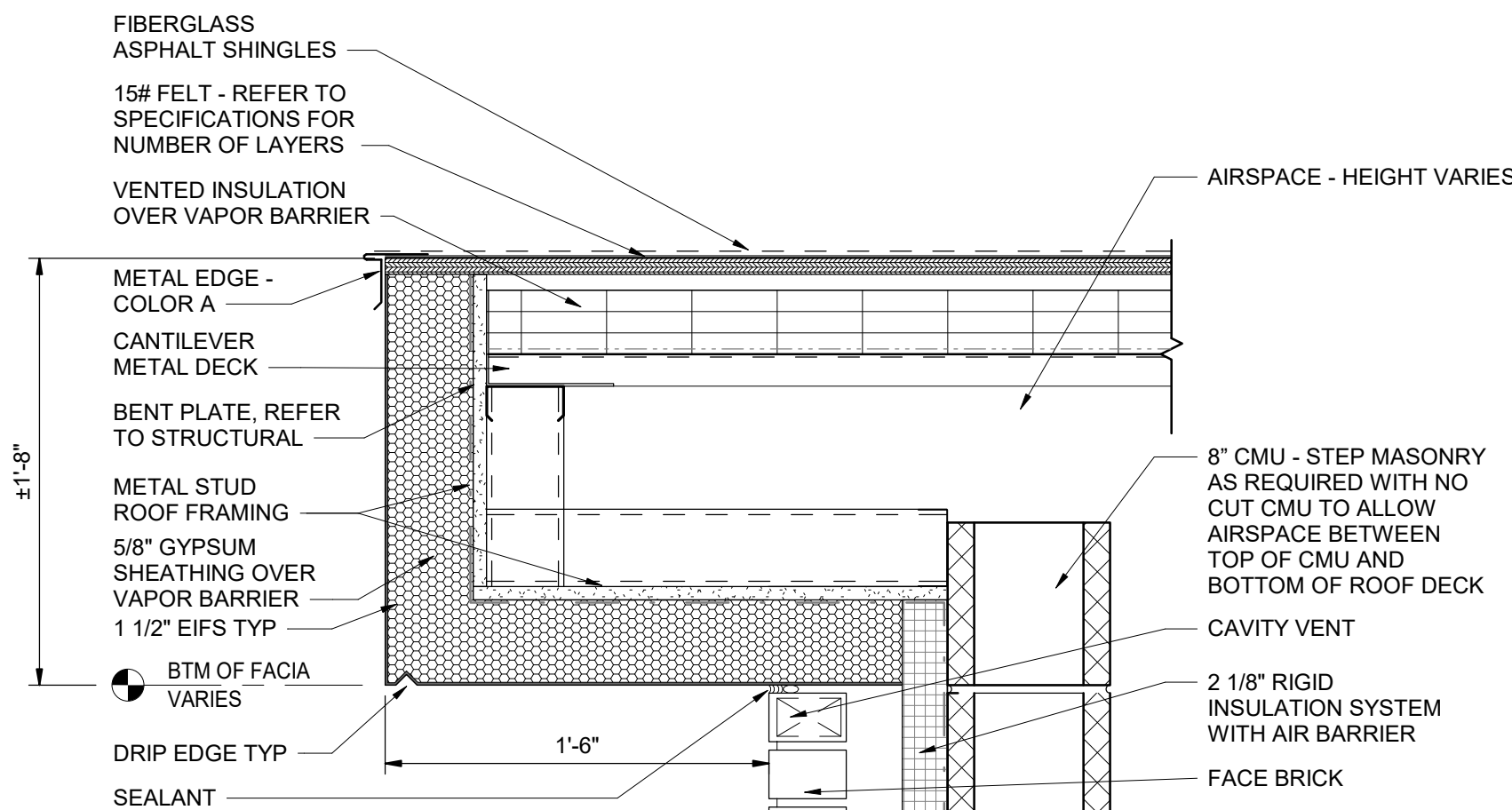
6 ROOF LADDER DETAIL
A-211 3/4" = 1'-0"



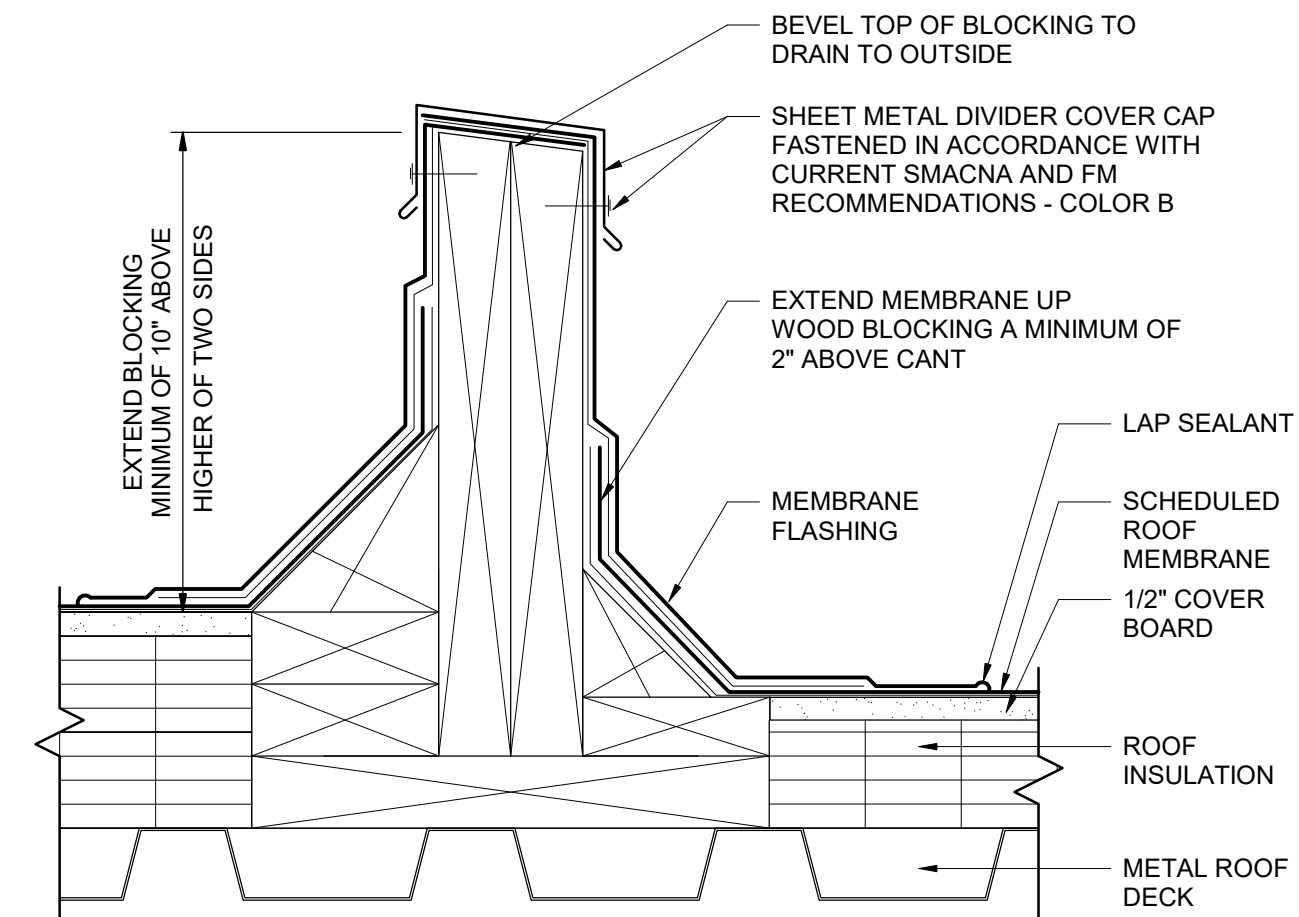
2 ROOF FLASHING DETAIL
A-211 1 1/2" = 1'-0"



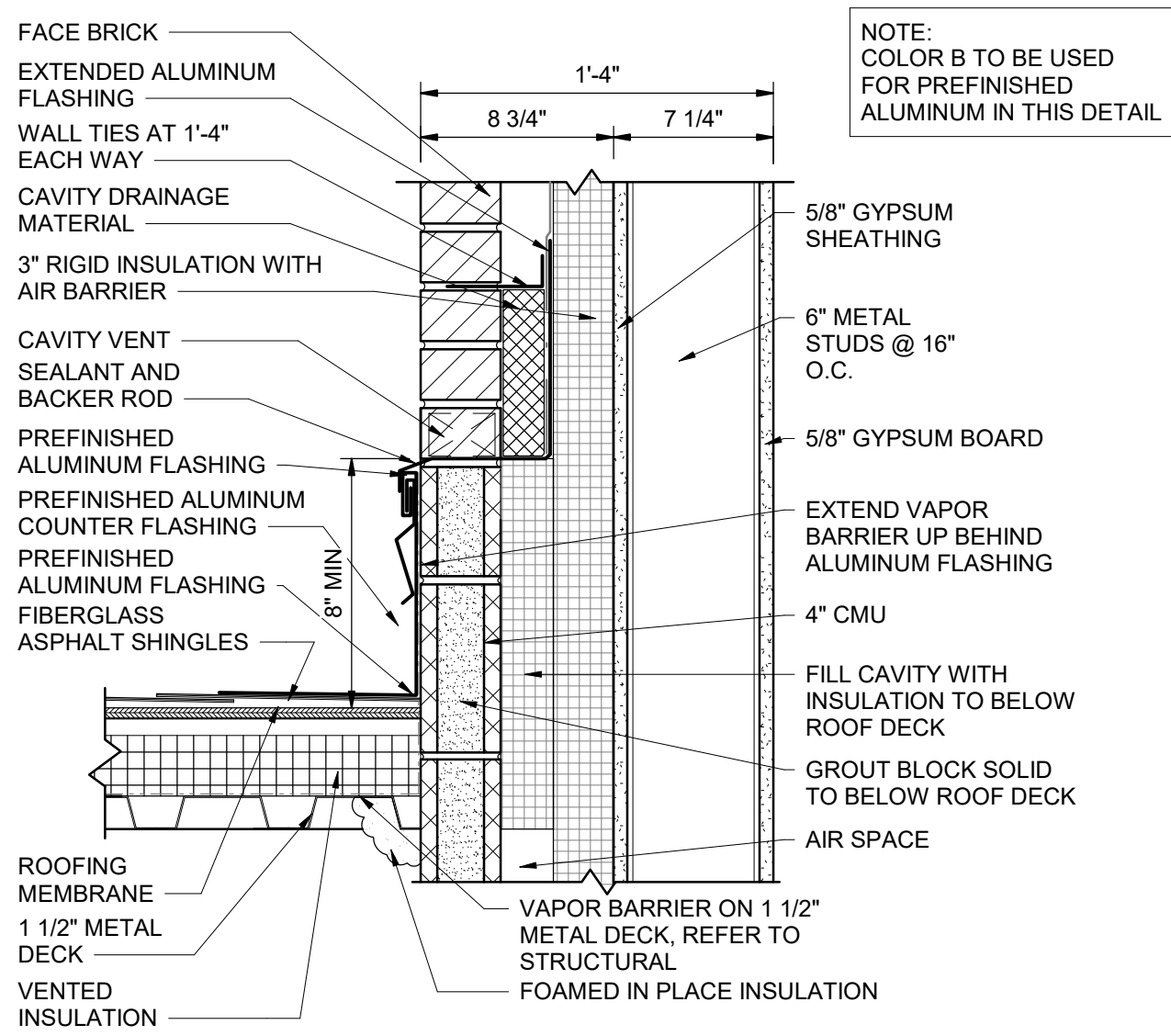
13 TRANSITION FASCIA DETAIL
A-211 3" = 1'-0"



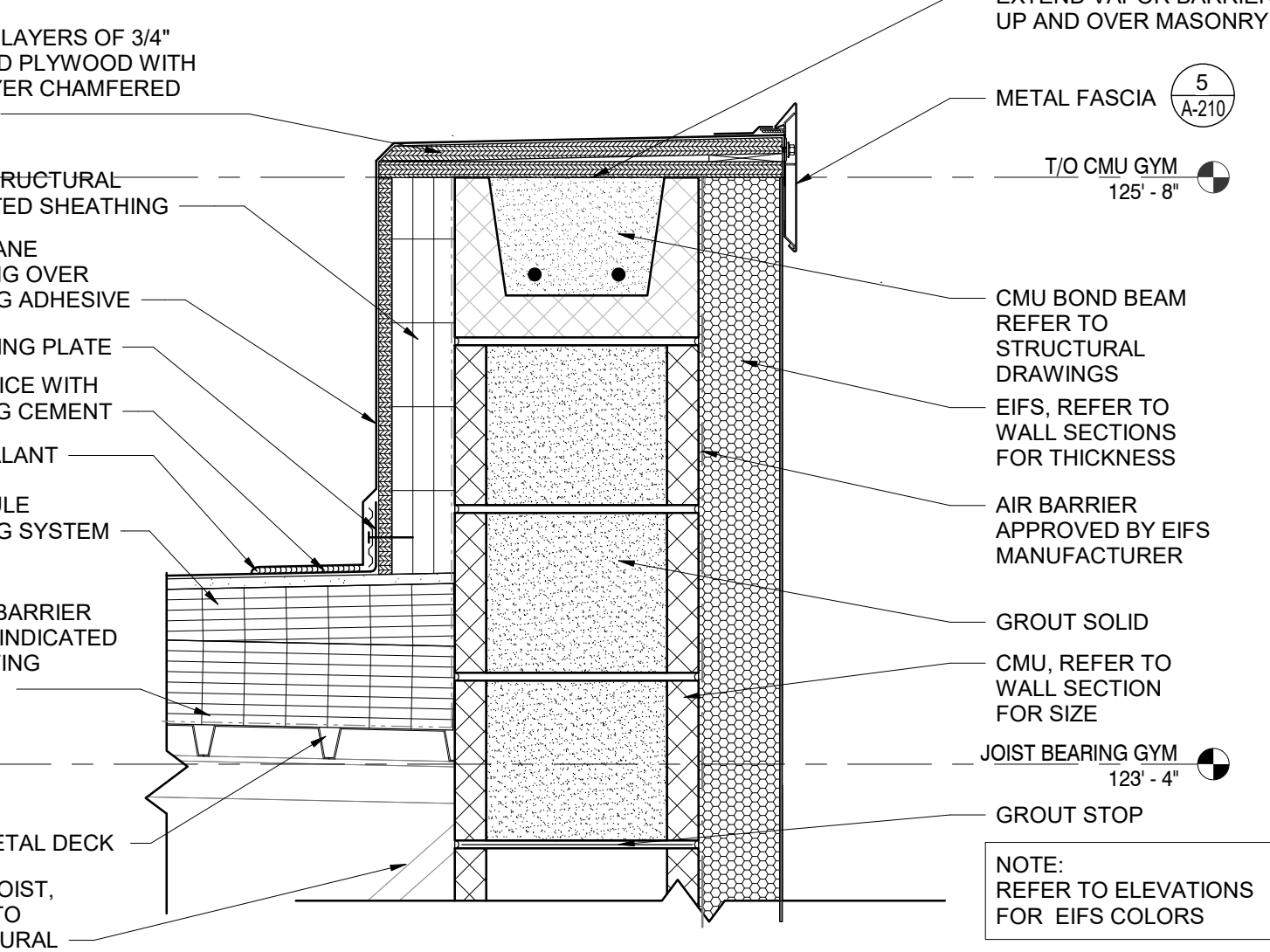
9 GABLE EAVE DETAIL
A-211 1 1/2" = 1'-0"



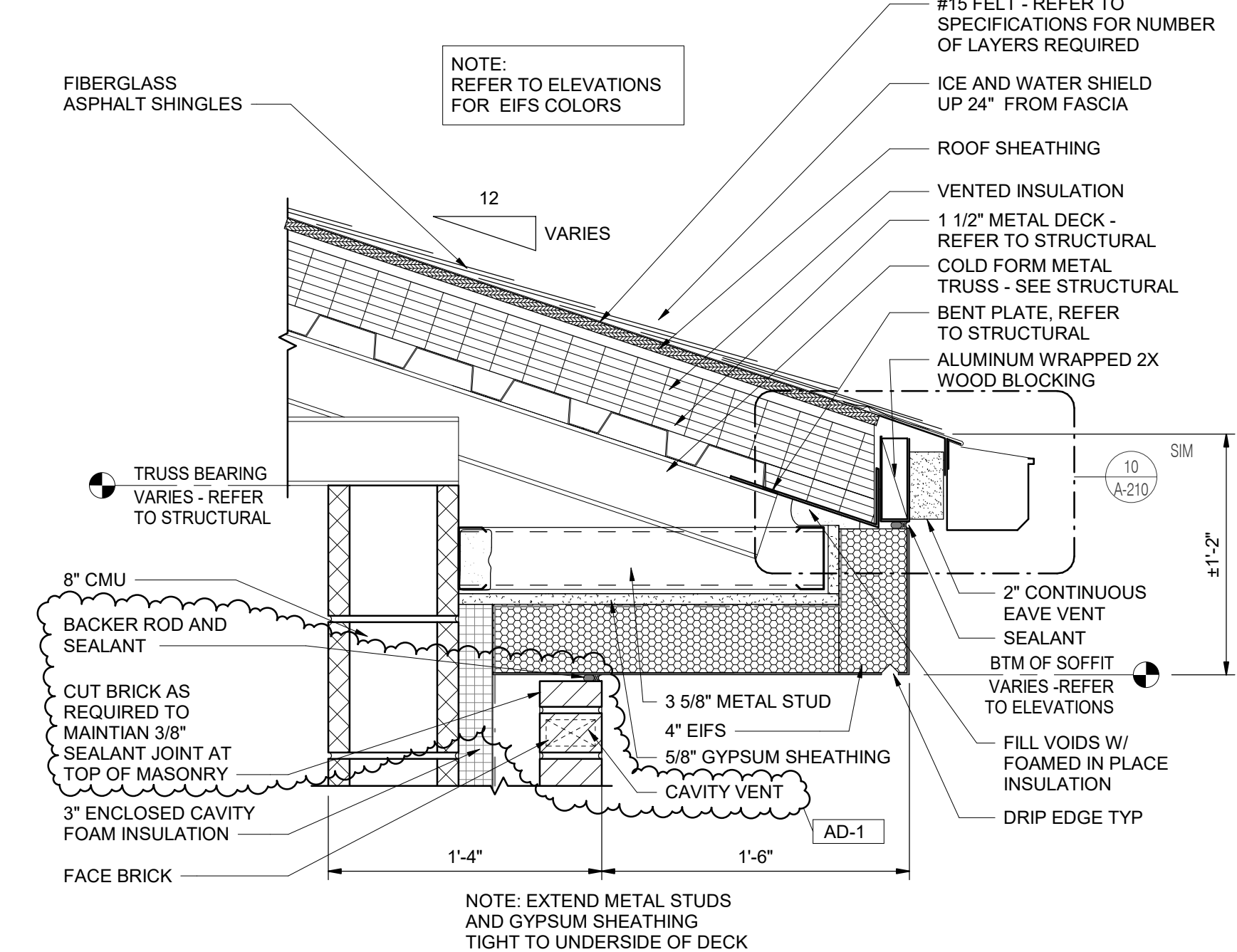
5 ROOF DIVIDER STRIP DETAIL
A-211 3" = 1'-0"



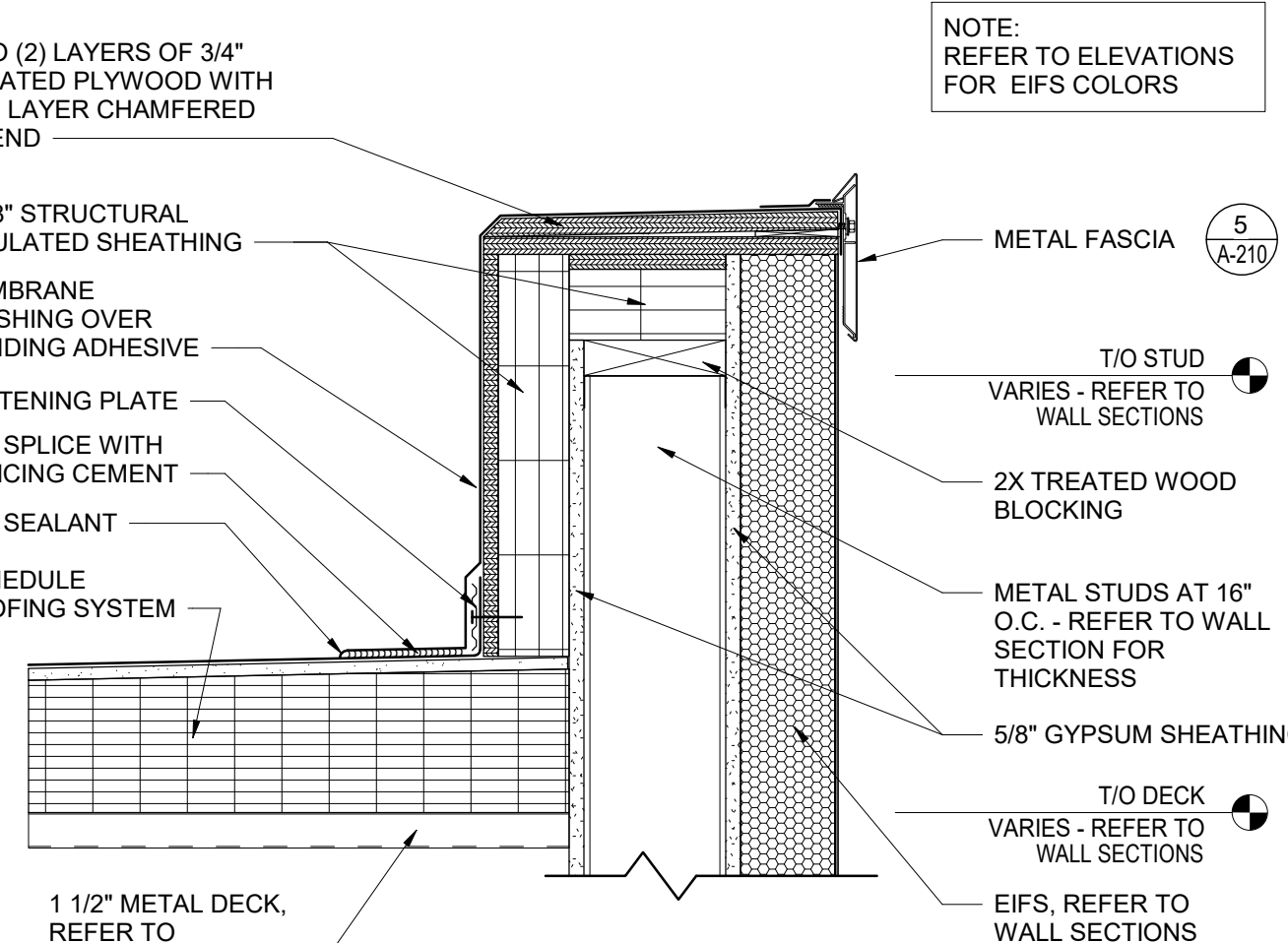
1 ROOF FLASHING DETAIL
A-211 1 1/2" = 1'-0"



12 MASONRY PARAPET DETAIL
A-211 1 1/2" = 1'-0"



8 EAVE DETAIL
A-211 1 1/2" = 1'-0"



4 ROOF FASCIA DETAIL
A-211 1 1/2" = 1'-0"

GIBRALTAR DESIGN

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Indianapolis, IN 46260
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Email: info@GibraltarDesign.com
Phone: 317.580.5777 Fax: 317.580.5778

PROJECT

21-134

DATE

03/31/2022

COORDINATED BY

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DRAWN BY

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DRAWING

ROOF DETAILS

PROJECT

NEW YOST ELEMENTARY SCHOOL

SHEET

A-211

NEW YOST
ELEMENTARY
SCHOOL

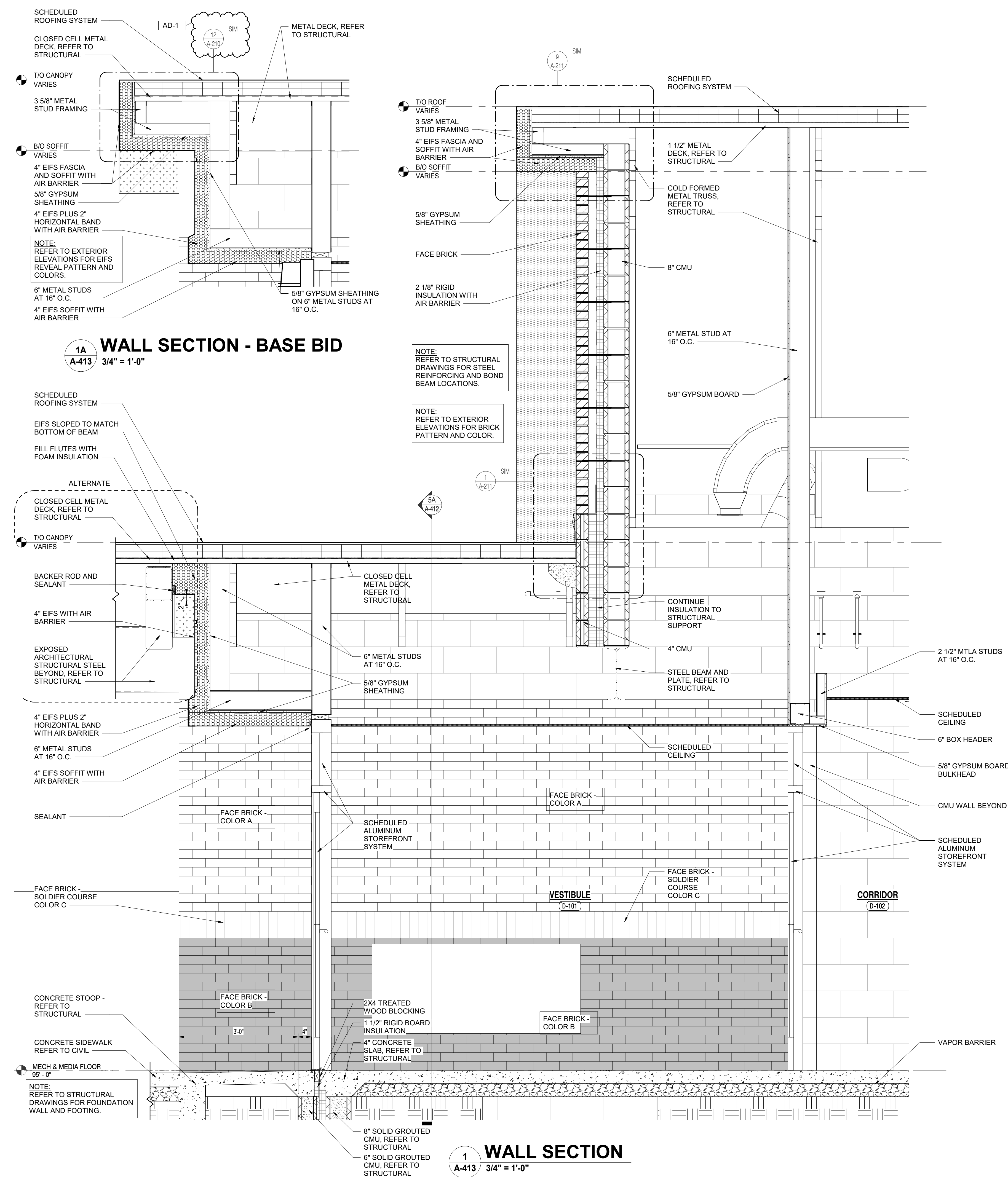
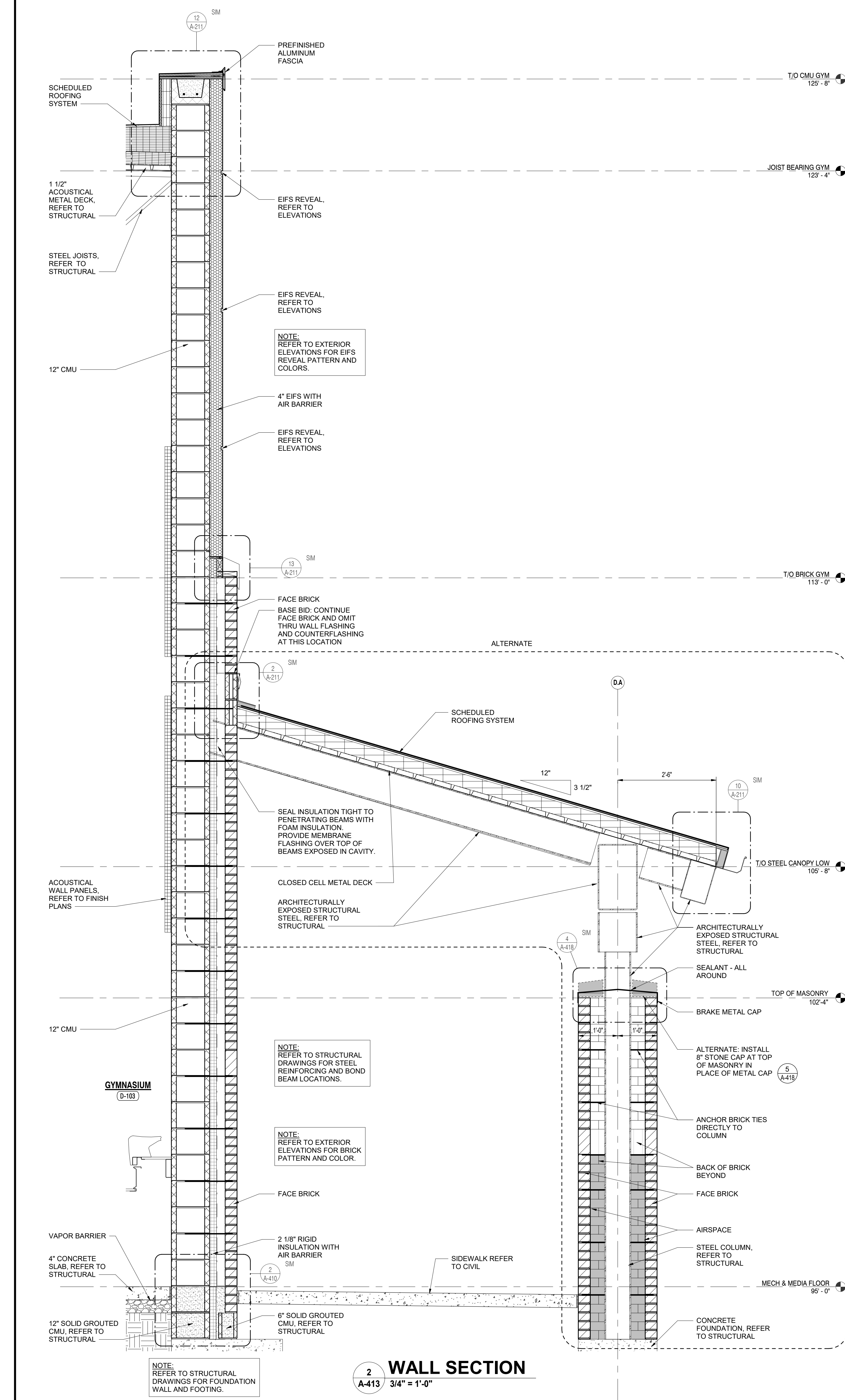
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SHEET

A-413





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DUNELAND SCHOOL
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ADDENDUM 1

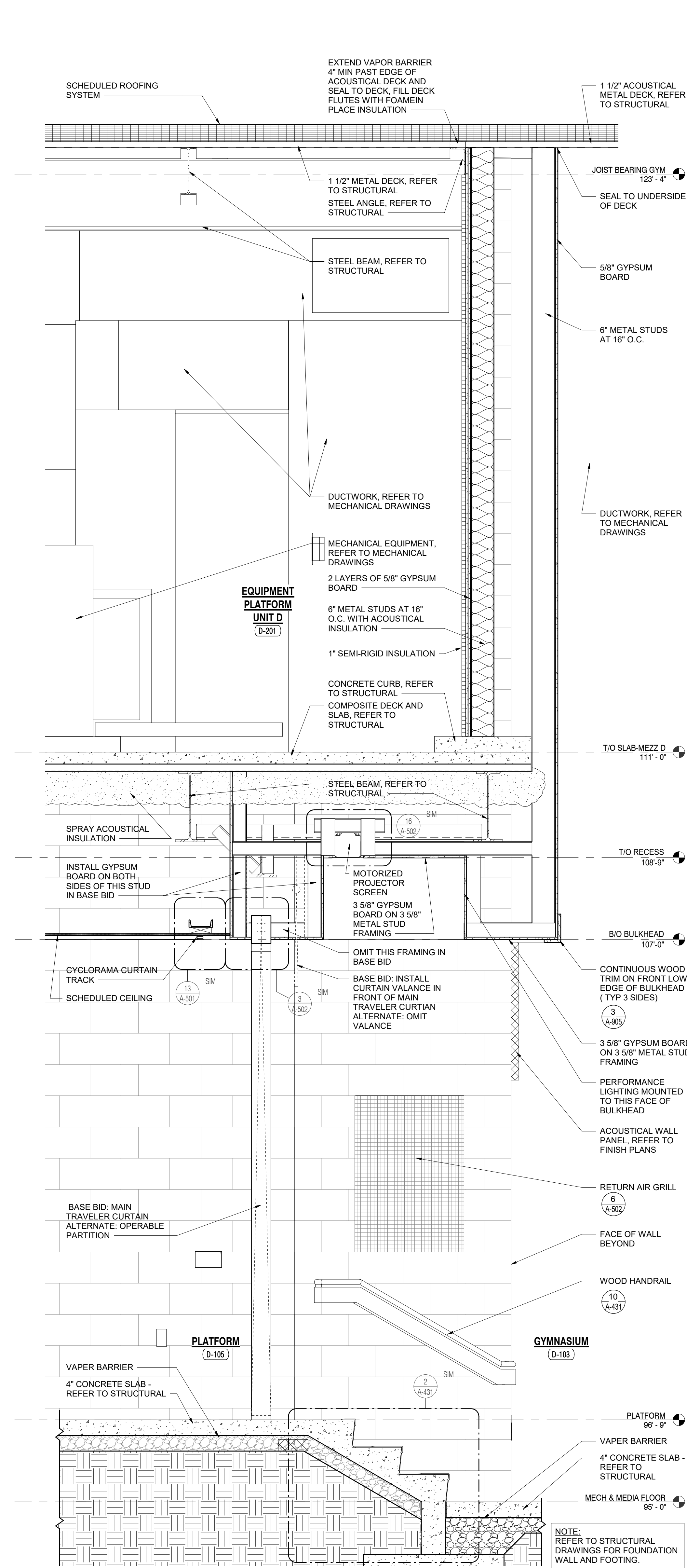
DRAWING
WALL SECTIONS

PROJECT
NEW YOST ELEMENTARY SCHOOL

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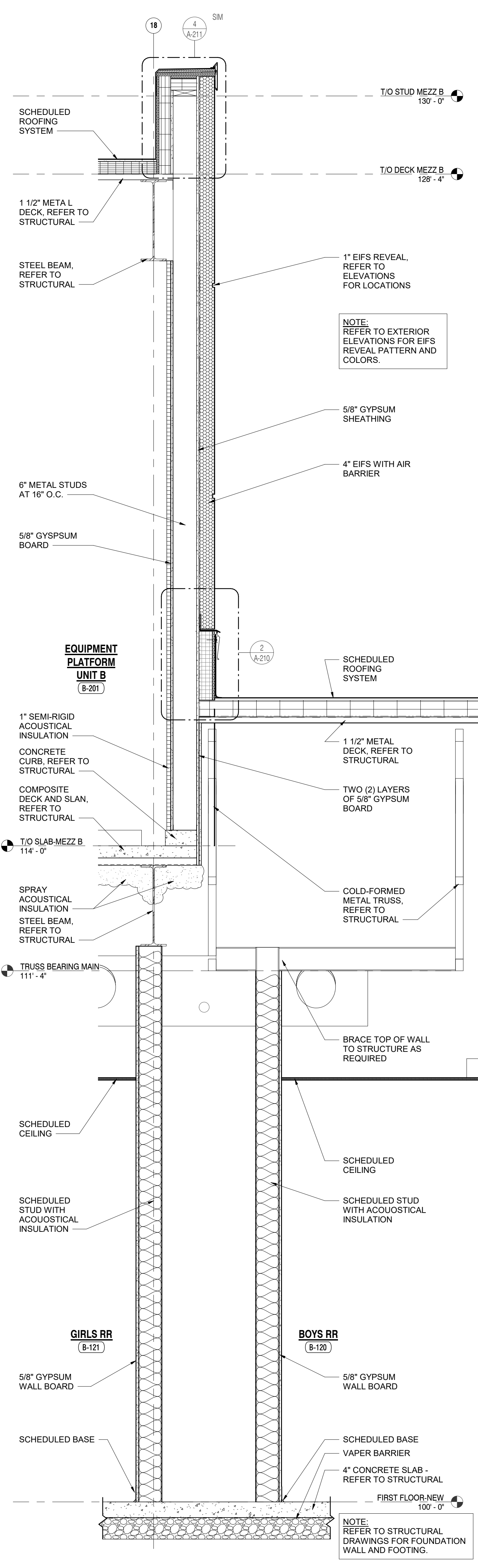
A-417



WALL SECTION

4
A-417

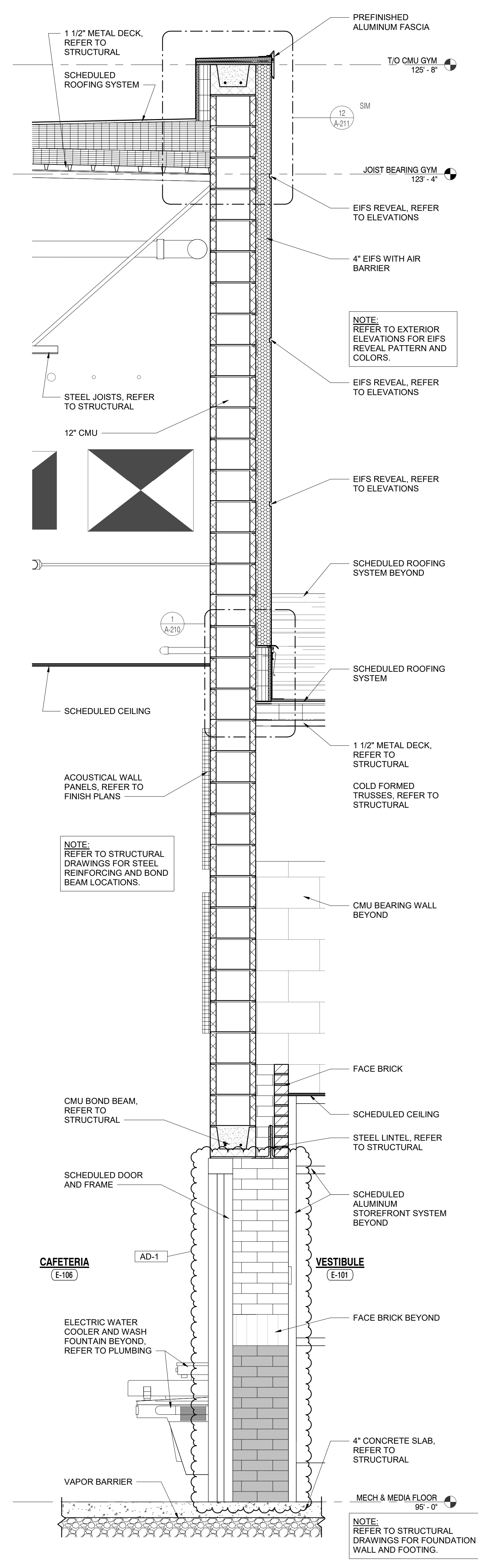
3/4" = 1'-0"



WALL SECTION

3
A-417

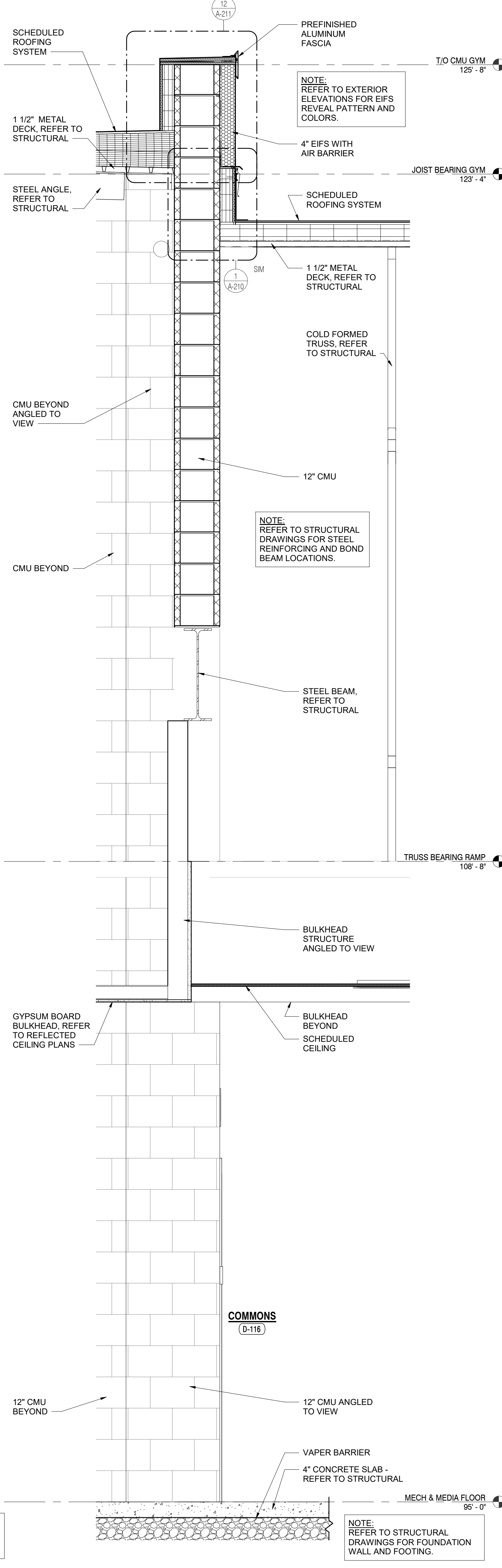
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WALL SECTION

2
A-417

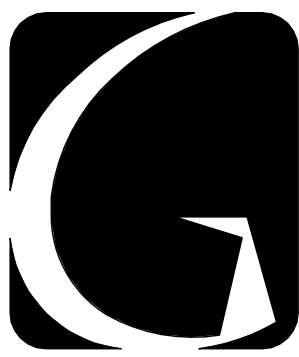
3/4" = 1'-0"



WALL SECTION

1
A-417

3/4" = 1'-0"



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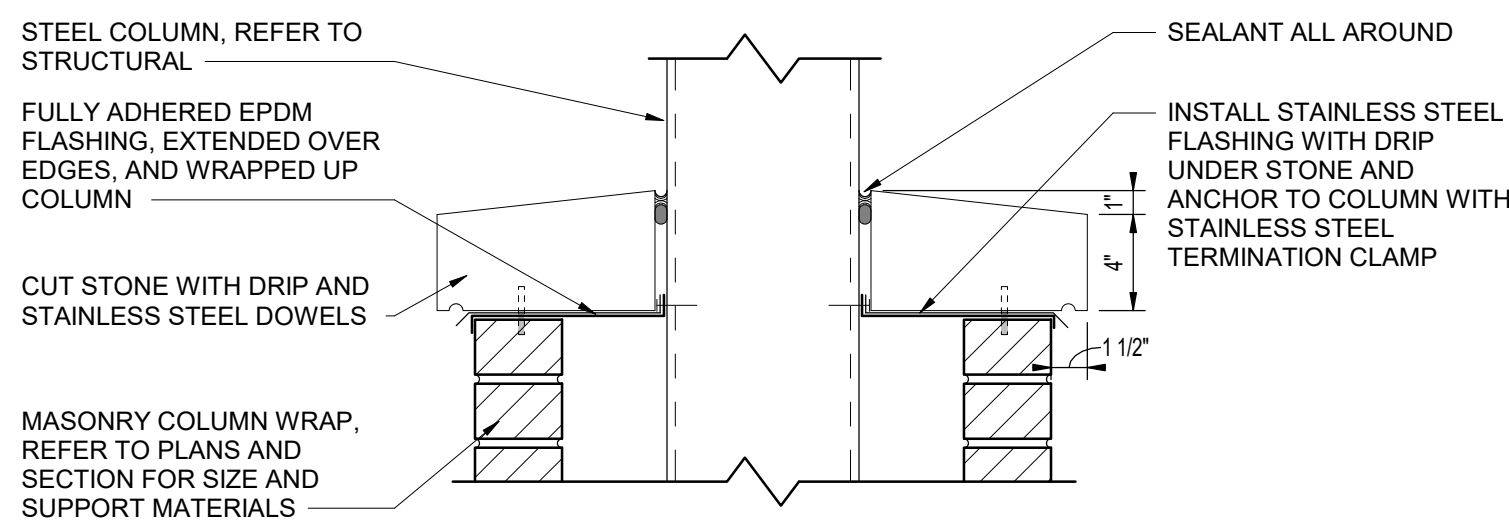
DRAWING
WALL SECTIONS

PROJECT
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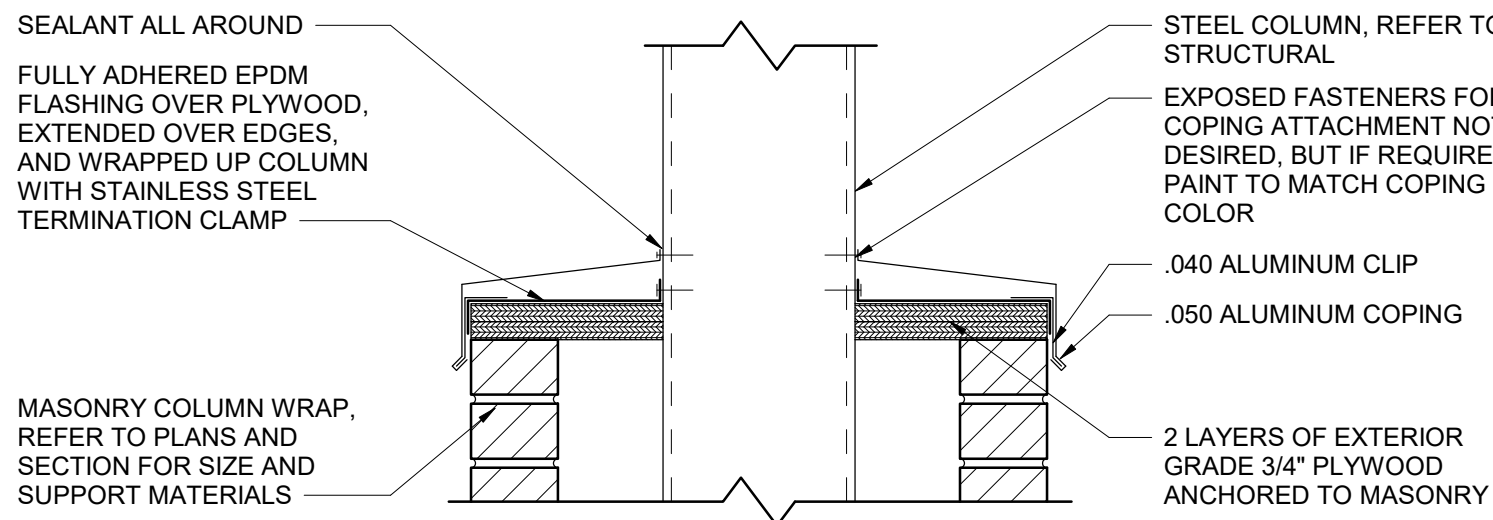
SHEET

A-418



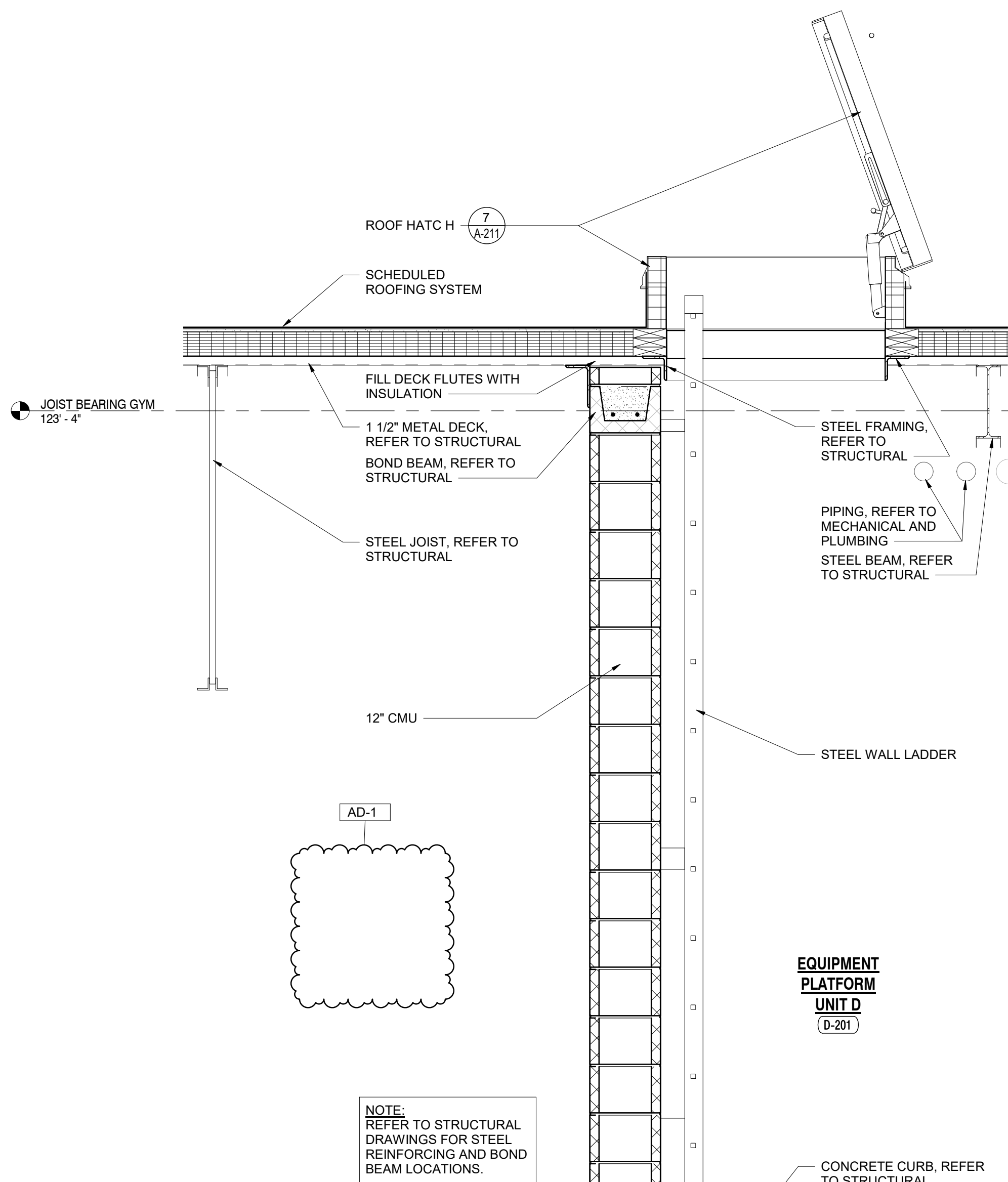
5 COLUMN CAP DETAIL

A-418 1 1/2" = 1'-0"



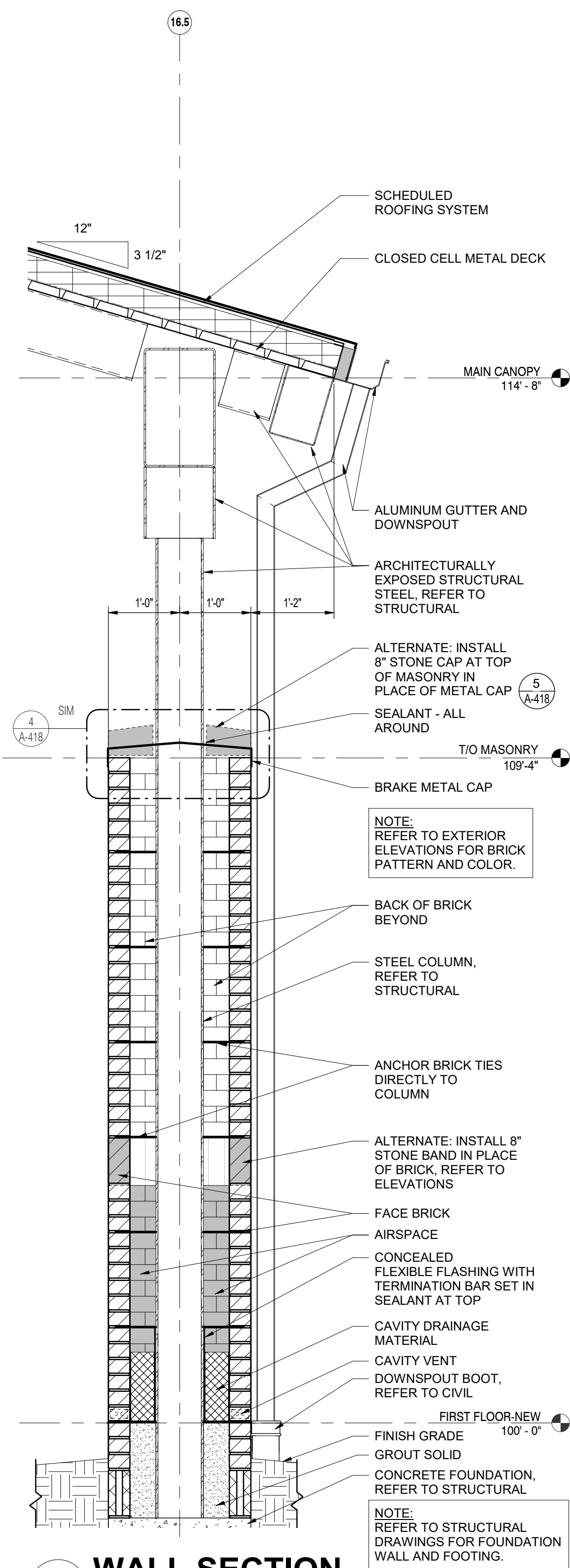
4 COLUMN CAP DETAIL

A-418 1 1/2" = 1'-0"



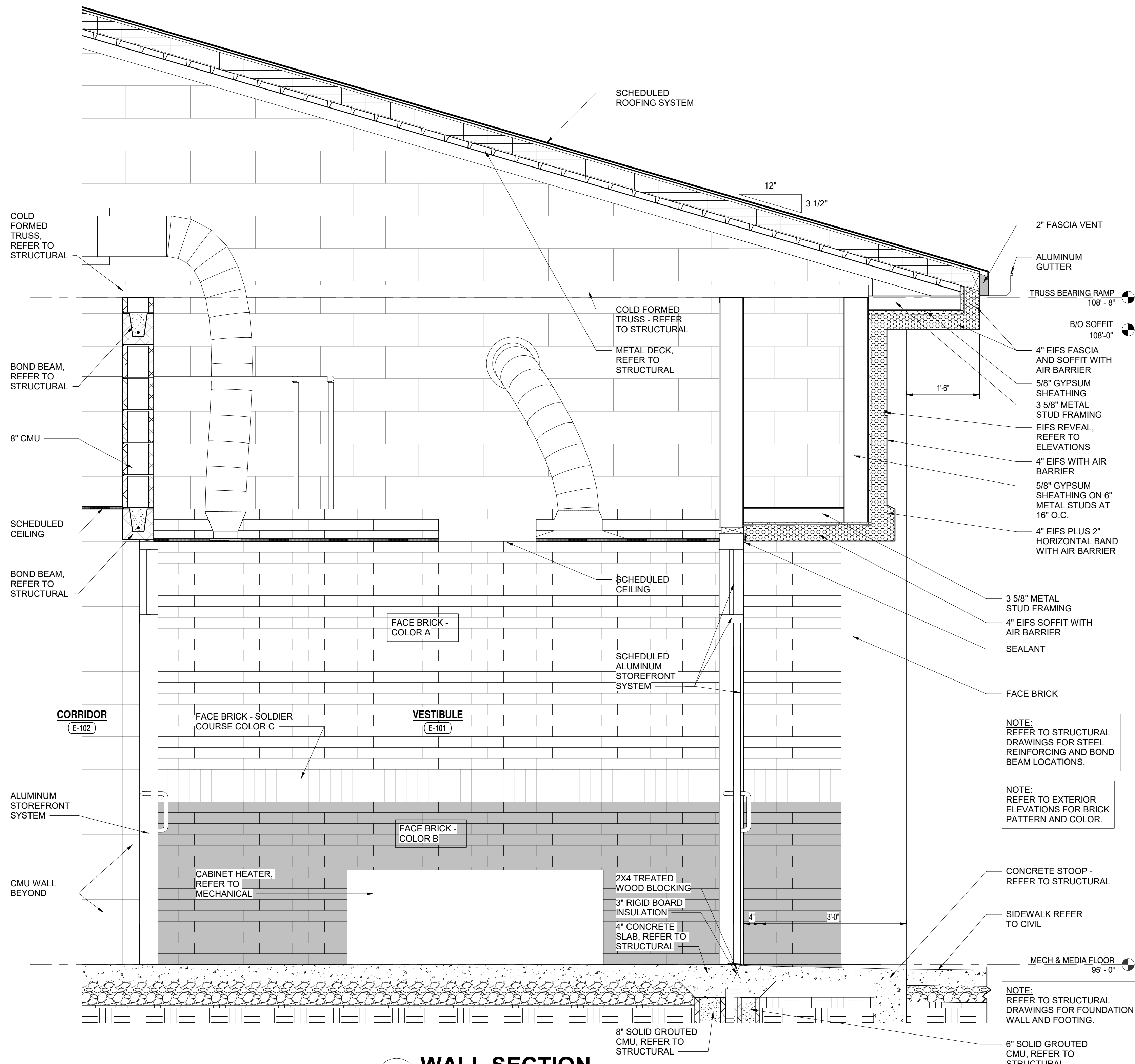
2 WALL SECTION

A-418 3/4" = 1'-0"



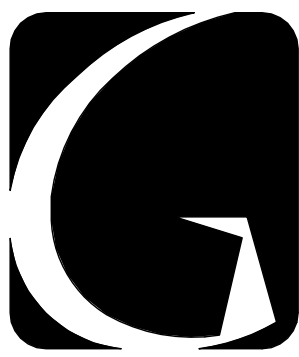
1 WALL SECTION

A-418 3/4" = 1'-0"



3 WALL SECTION

A-418 3/4" = 1'-0"



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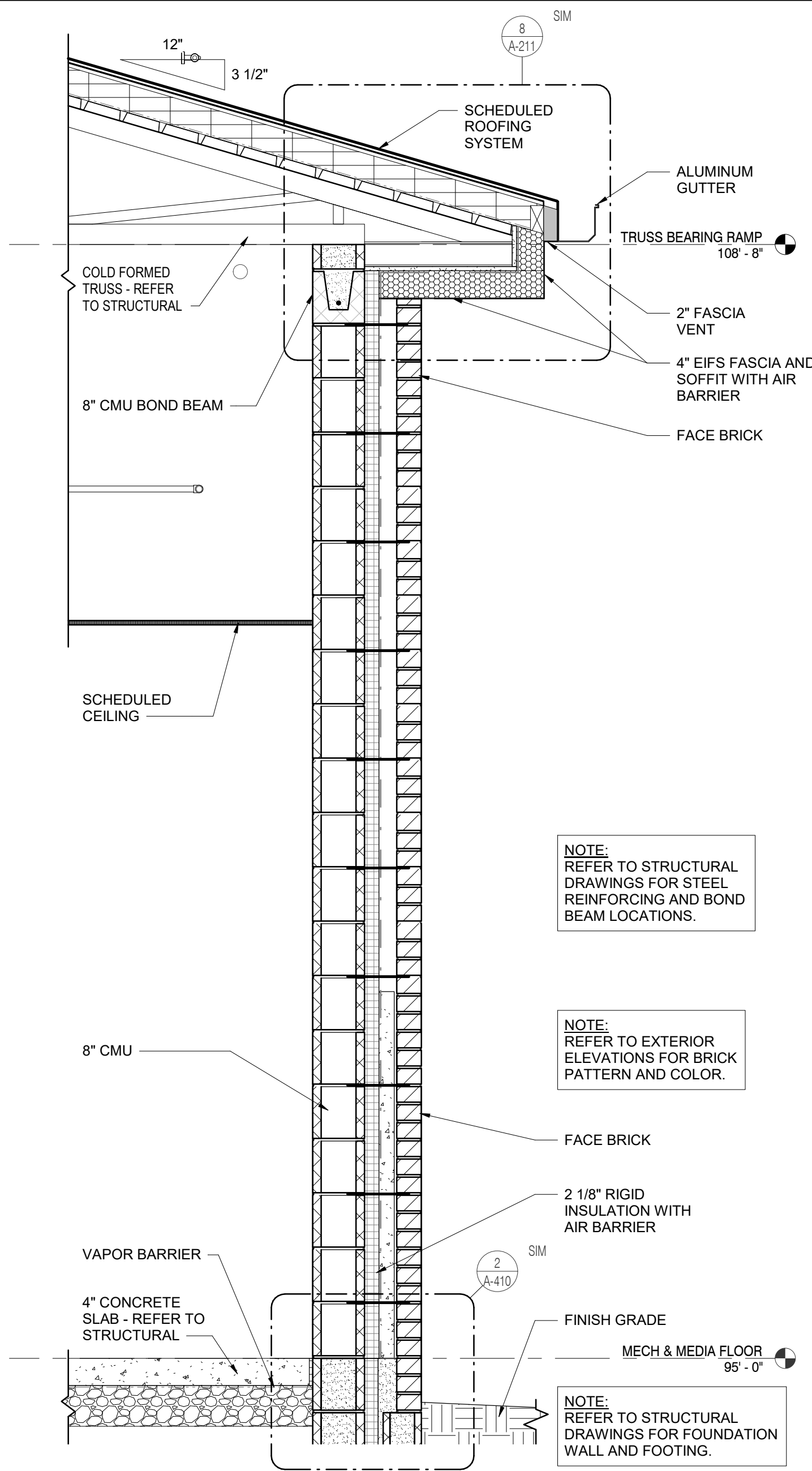
DRAWING
WALL SECTIONS

PROJECT
NEW YOST ELEMENTARY SCHOOL

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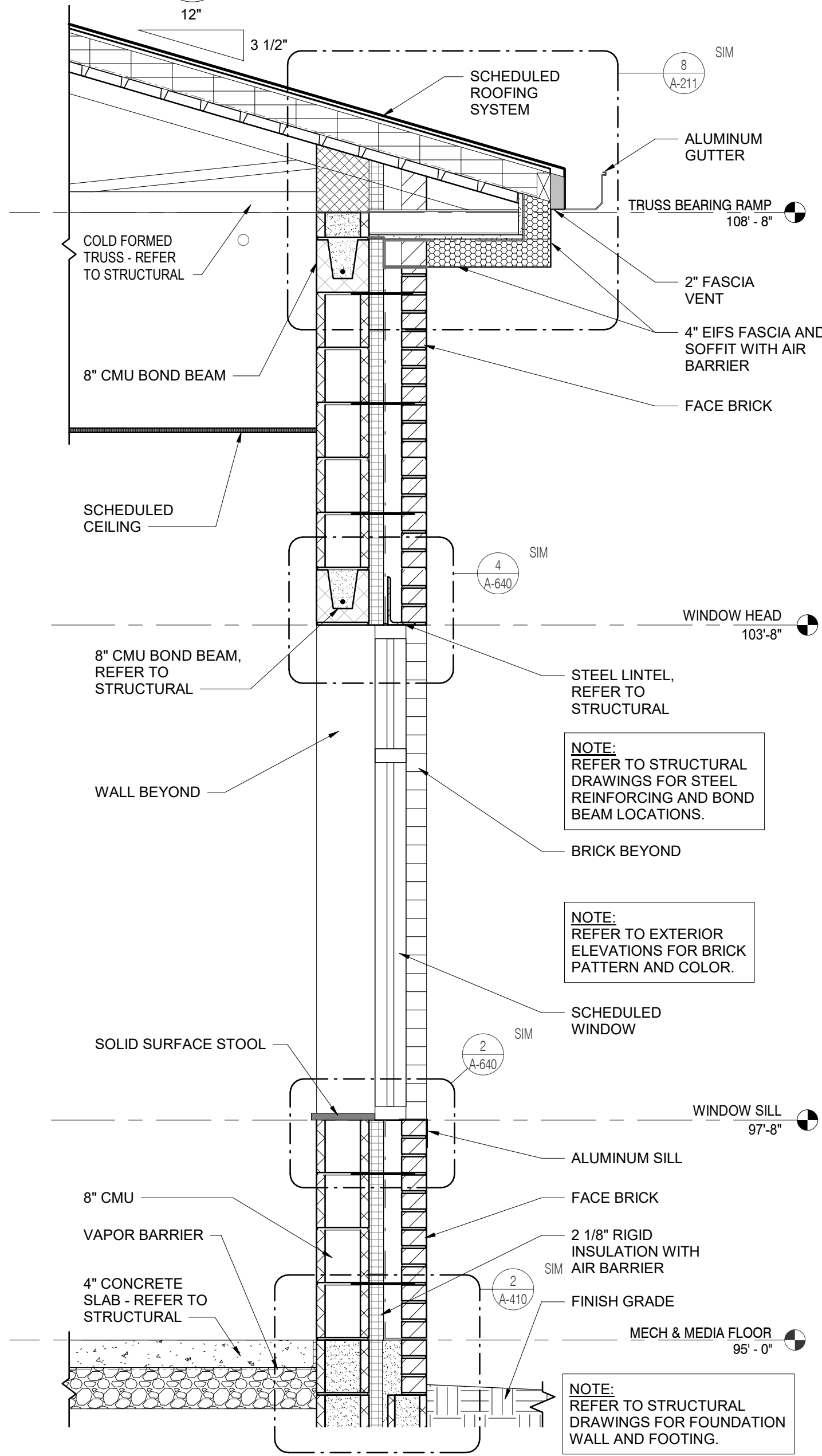
SHEET

A-419



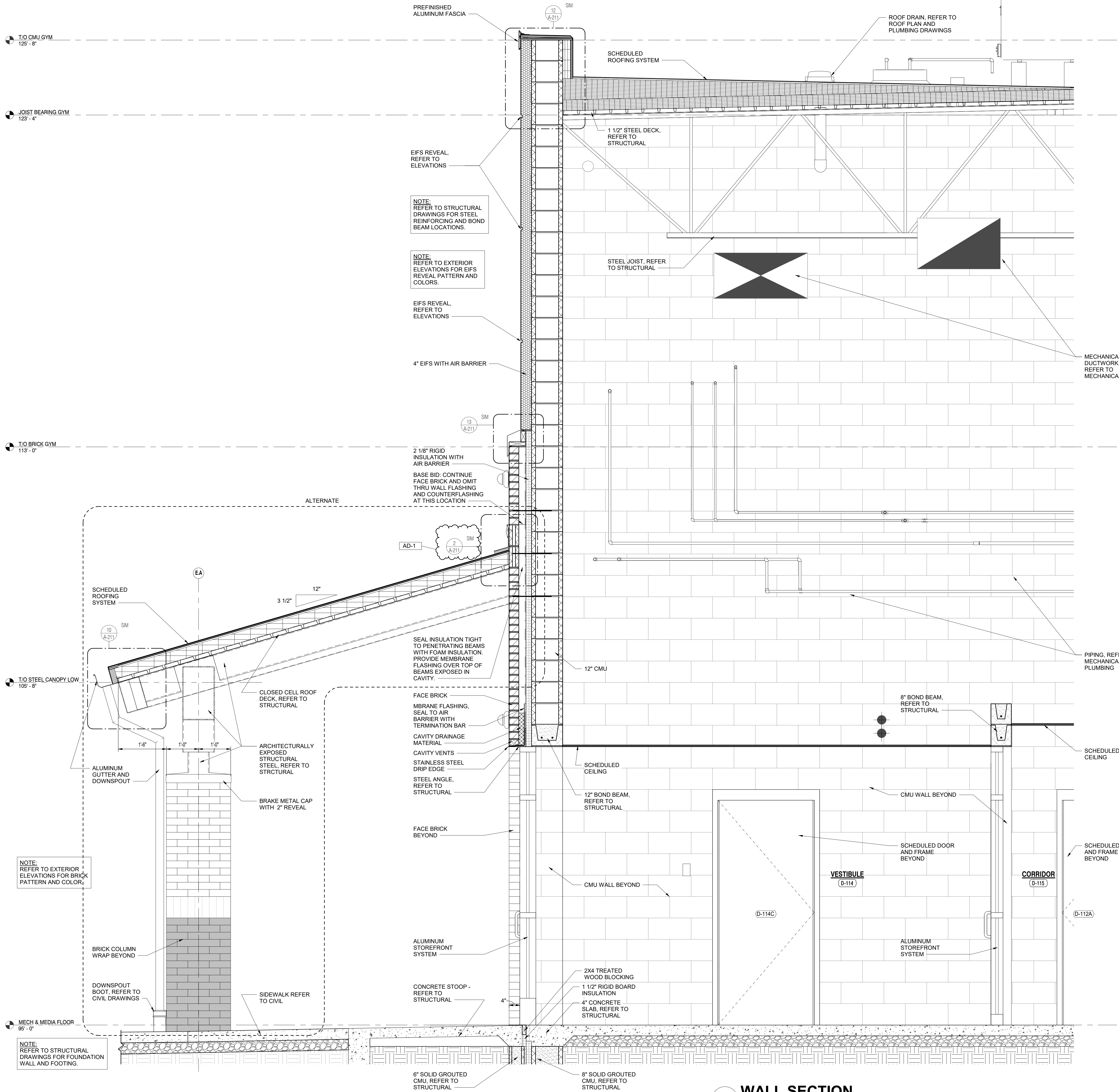
WALL SECTION

4
A-419 3/4" = 1'-0"



WALL SECTION

3
A-419 3/4" = 1'-0"

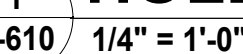


WALL SECTION

1
A-419 3/4" = 1'-0"

NEW YOST
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2 HOLLOW METAL (HM) FRAME PROFILES





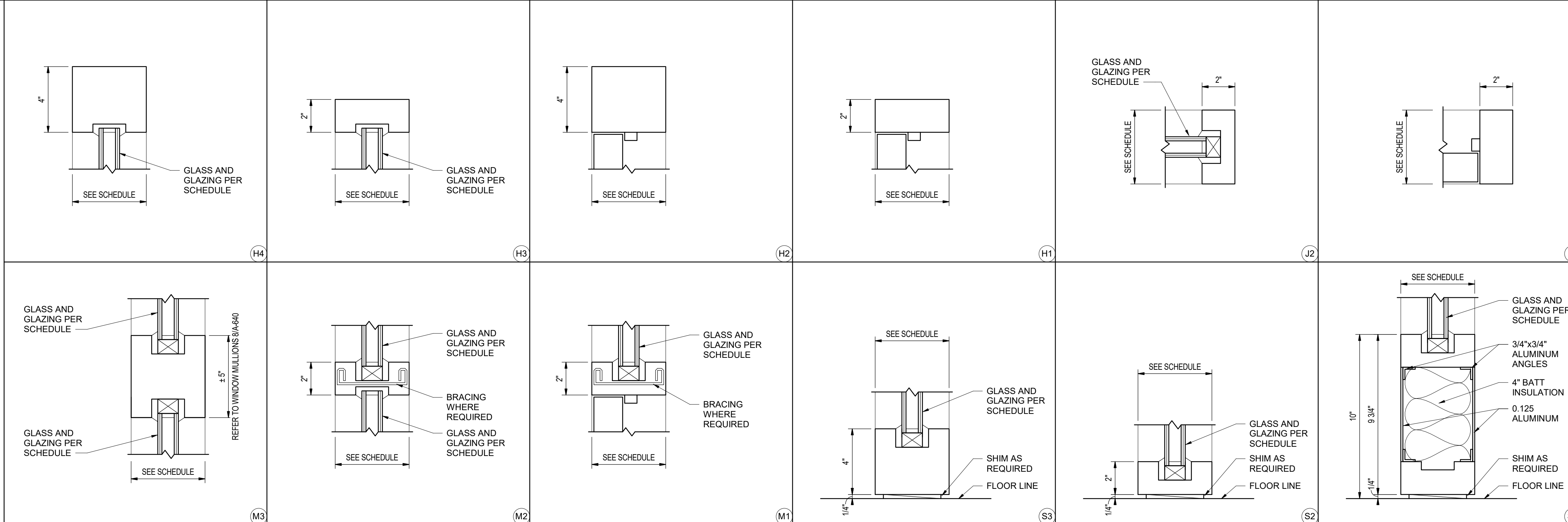
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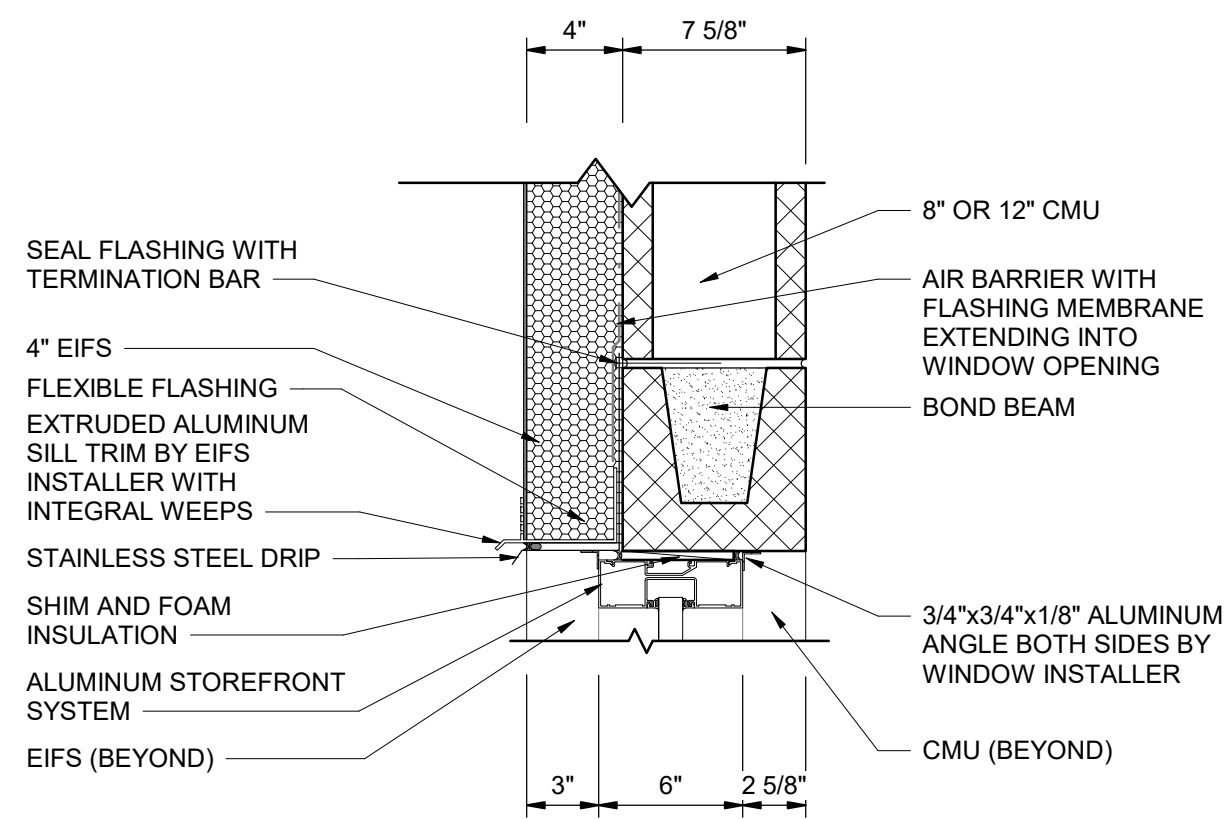
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PORTER, IN 46304



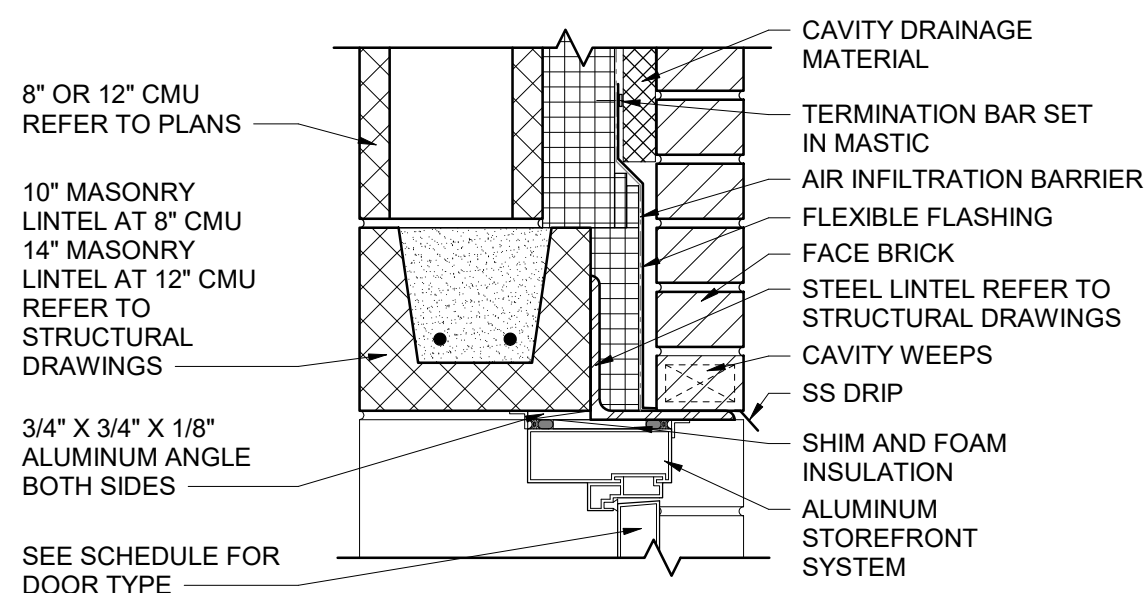
3 ALUMINUM STOREFRONT (SF) AND CURTAIN WALL (CW) FRAME PROFILES

A-620 3" = 1'-0"



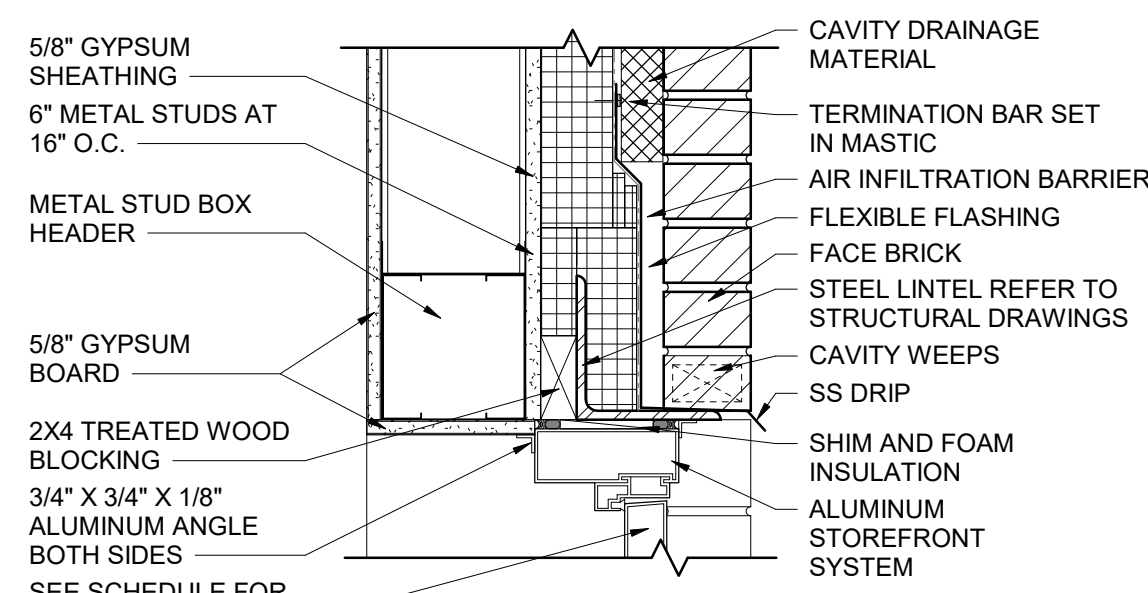
10 HEAD DETAIL - CMU AND EIFS

A-620 1 1/2" = 1'-0"



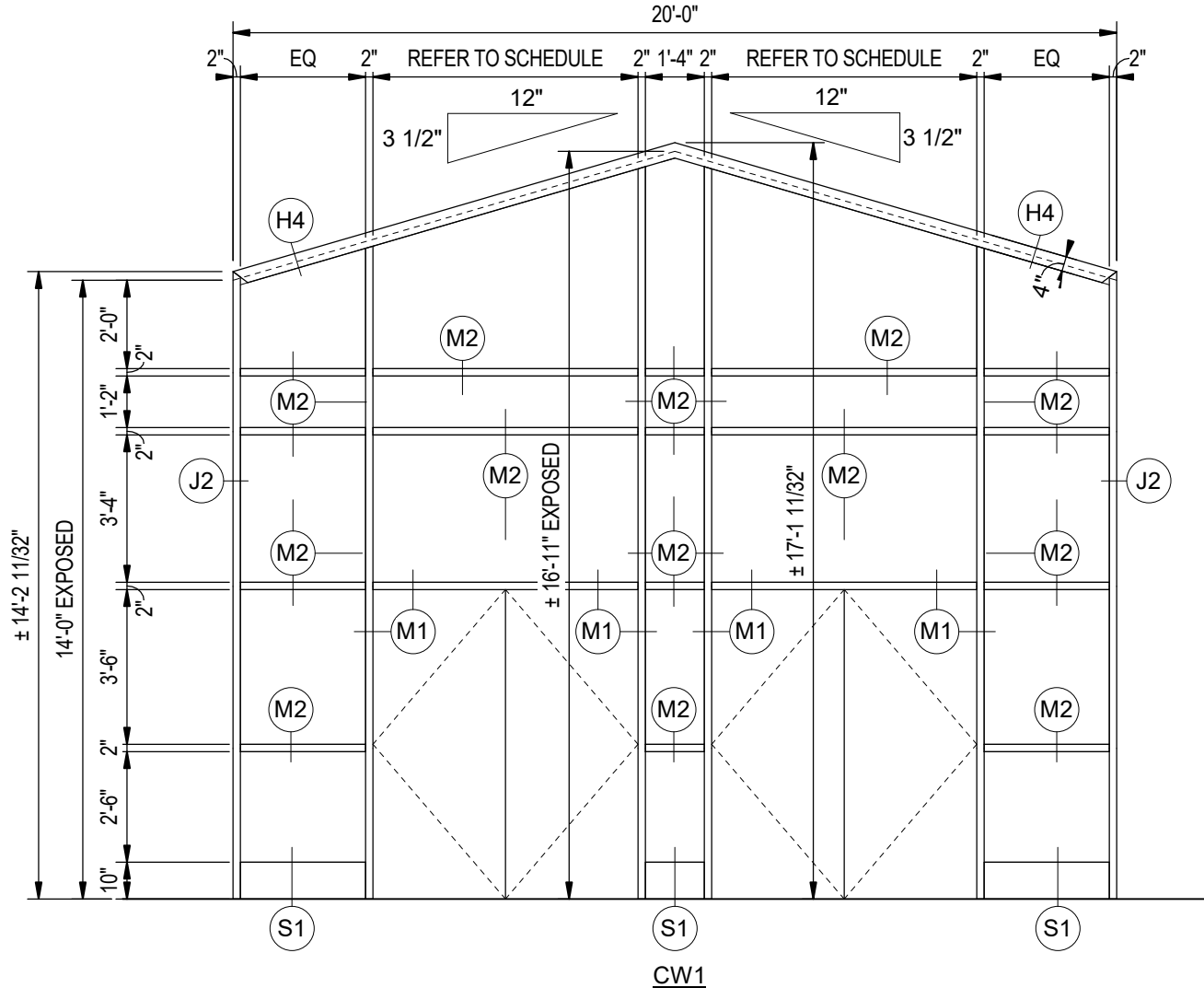
9 HEAD DETAIL - CMU & BRICK

A-620 1 1/2" = 1'-0"



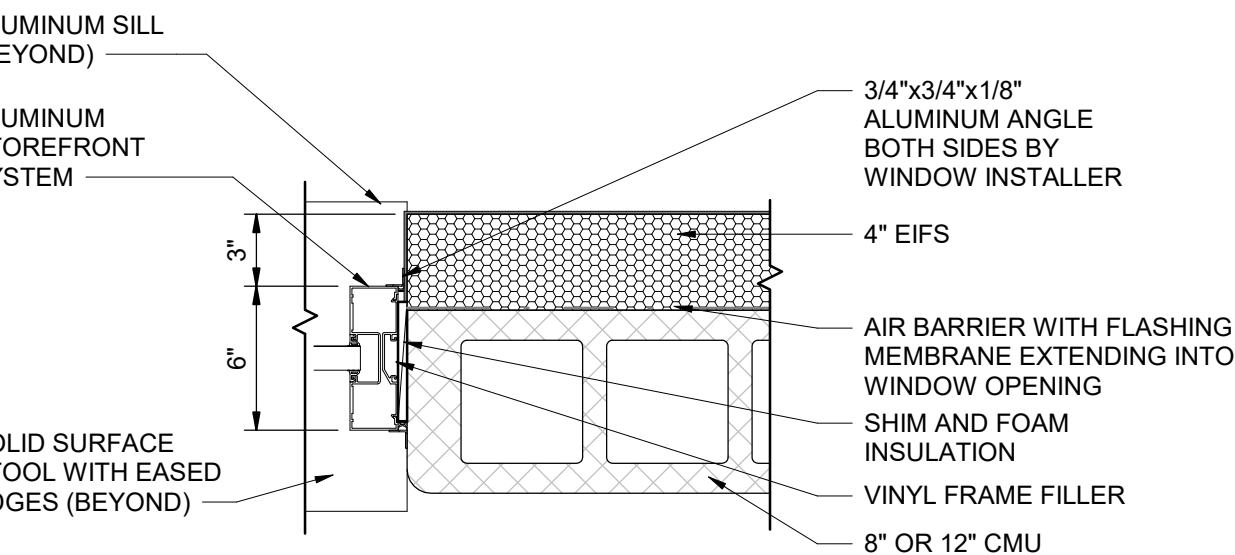
8 HEAD DETAIL - STUD & BRICK

A-620 1 1/2" = 1'-0"



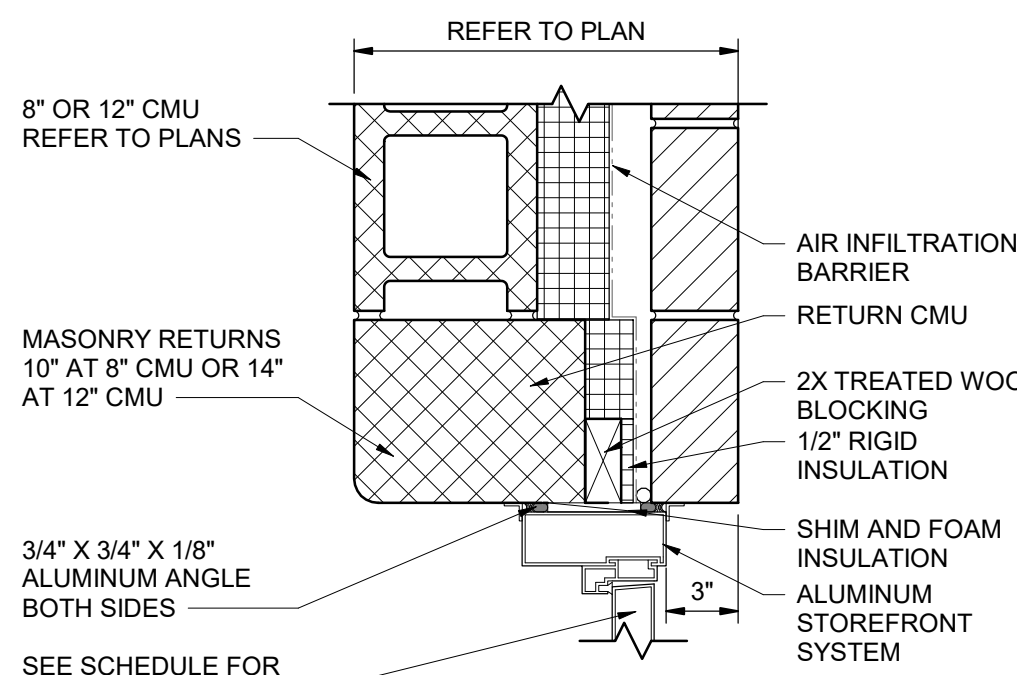
NOTES - CURTAIN WALL (CW)

- FOR CURTAIN WALL HEAD, JAMB AND SILL DETAILS REFER TO WALL SECTIONS AND CURTAIN WALL (CW) FRAME PROFILES.
- PROVIDE SEALANT AROUND PERIMETER OF ALL FRAMES.
- DIMENSIONS SHOWN ARE NOMINAL. FIELD VERIFY ALL DIMENSIONS SHOWN PRIOR TO FABRICATION AND INSTALLATION.
- PROVIDE GLAZING AND GLASS STOPS AS REQUIRED.
- 1/4" SHIM SPACE IS NOT SHOWN ON FRAME ELEVATIONS. TAKE THESE DIMENSIONS INTO ACCOUNT AND ADJUST DIMENSIONS ACCORDINGLY.



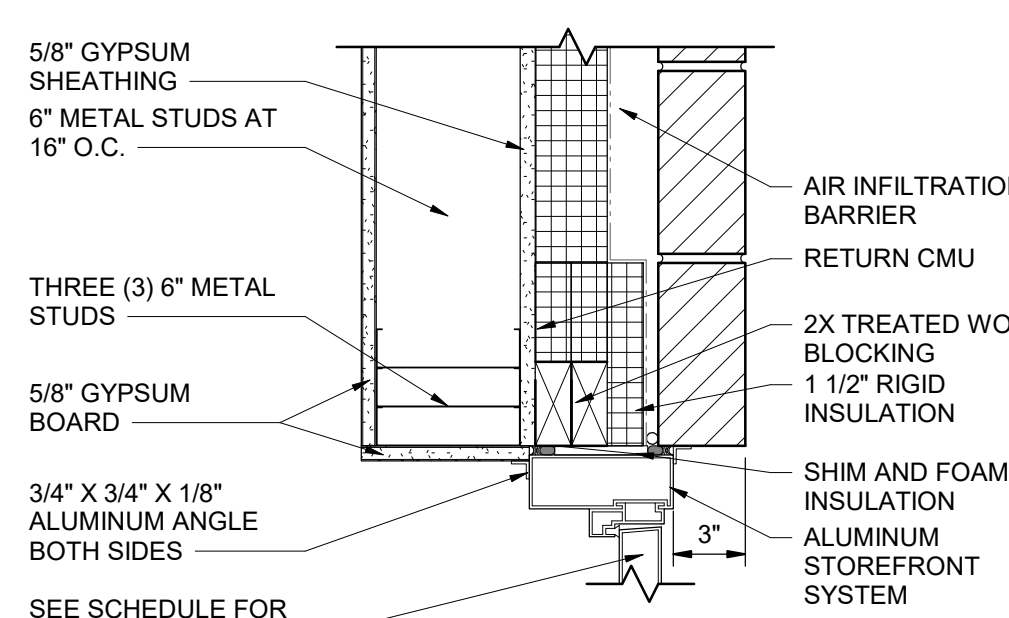
7 JAMB DETAIL - CMU & EIFS

A-620 1 1/2" = 1'-0"



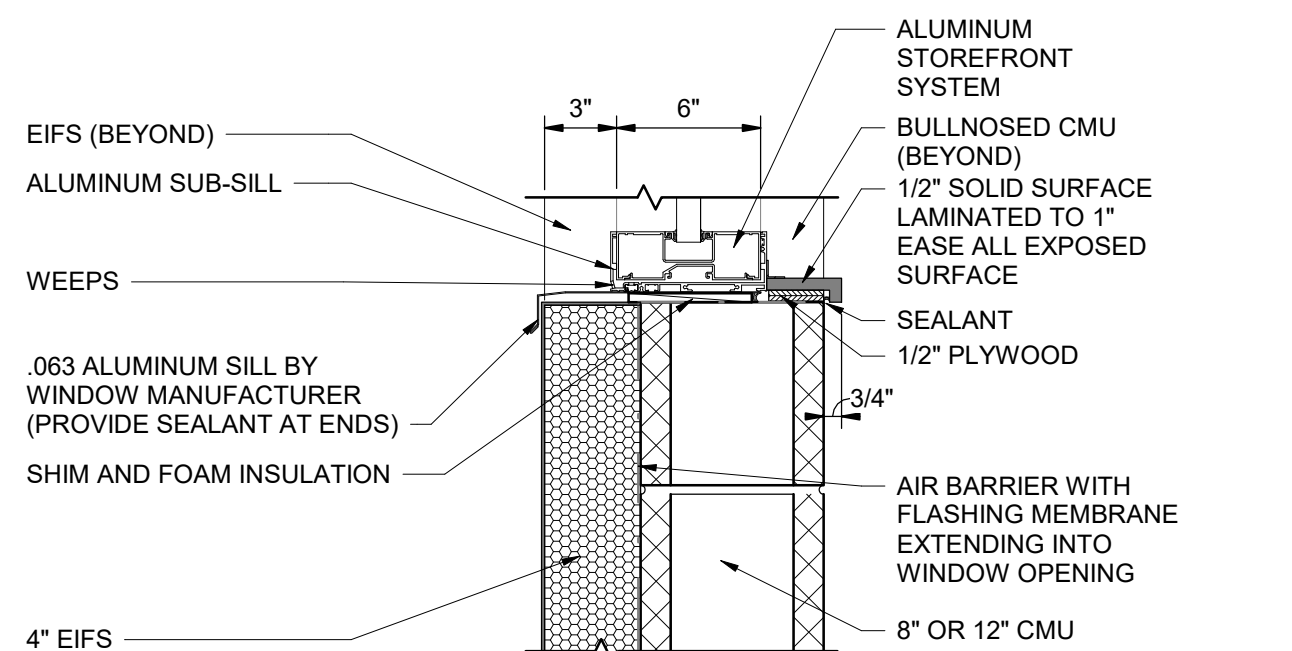
6 JAMB DETAIL - CMU & BRICK

A-620 1 1/2" = 1'-0"



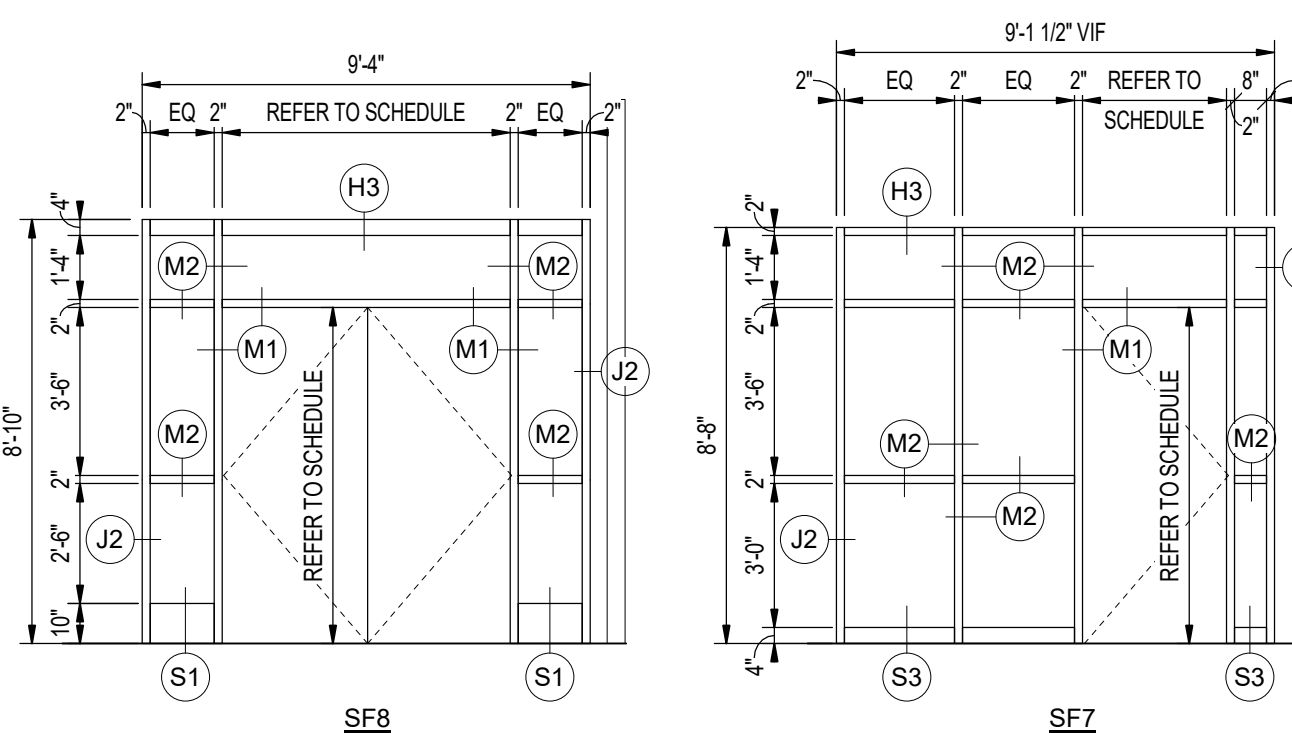
5 JAMB DETAIL - STUD & BRICK

A-620 1 1/2" = 1'-0"



4 SILL DETAIL - CMU & EIFS

A-620 1 1/2" = 1'-0"



NOTES - ALUMINUM STOREFRONT (SF)

- FOR STOREFRONT HEAD, JAMB AND SILL DETAILS REFER TO WALL SECTIONS AND ALUMINUM STOREFRONT (SF) FRAME PROFILES / A-620.
- PROVIDE SHIM SPACE, BACKER ROD, AND SEALANT AROUND PERIMETER OF ALL FRAMES WHERE FRAMING ABUTS DISSIMILAR MATERIAL.
- PROVIDE FOAM INSULATION IN SHIM SPACE AROUND PERIMETER OF ALL EXTERIOR STOREFRONT FRAMING.
- DIMENSIONS SHOWN ARE NOMINAL. FIELD VERIFY ALL DIMENSIONS SHOWN PRIOR TO FABRICATION AND INSTALLATION.
- ALL FRAMES IN EXTERIOR WALLS SHALL BE THERMALLY BROKEN WITH 1" INSULATED GLAZING.
- REFER TO DOOR AND FRAME SCHEDULE FOR GLASS SCHEDULE.
- ALL GLAZING SHALL CONFORM TO STATE AND LOCAL CODES.
- ALL MULLIONS TO BE PROFILE M2 UNLESS NOTED OTHERWISE.
- PROVIDE 3/4" x 3/4" ALUMINUM SCRIBE MOLD AT PERIMETER OF BOTH SIDES ON ALL FRAMES UNLESS NOTED OTHERWISE. SET SCRIBE MOLDS IN SEALANT.

1 ALUMINUM STOREFRONT ELEVATIONS (SF)

A-620 1/4" = 1'-0"

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REVISIONS

MARK DATE ISSUED FOR

AD-1 4/14/2022 ADDENDUM 1

DRAWING
STOREFRONT AND CURTAIN
WALL FRAME ELEVATIONS AND
DETAILS

PROJECT
NEW YOST ELEMENTARY SCHOOL

GIBRALTAR DESIGN SHEET

A-620



GIBALTAR
DESIGN
ARCHITECTURE • ENGINEERING • INTERIOR DESIGN

PROJECT:

**NEW YOST
ELEMENTARY
SCHOOL**

DUNELAND SCHOOL
CORPORATION
100 W BEAM ST
PORTER, IN 46304

EQUIPMENT PLAN LEGEND:

- INDICATES MISCELLANEOUS CASEWORK ELEVATION SYMBOL -- REFER TO A-700 SERIES DRAWINGS FOR ELEVATIONS AND DETAILS.
- INDICATES ITEMS TO BE PART OF LOOSE EQUIPMENT PACKAGE BY OWNER. (NOT INCLUDED IN CONSTRUCTION CONTRACTS).
- INDICATES BULKHEADS OR OTHER OVERHEAD ITEMS (INCLUDED IN CONSTRUCTION CONTRACTS).
- ┌ (CG) INDICATES CORNER GUARD. CG1. REFERENCE DETAIL 18/A-501
- (MB) INDICATES 4' HIGH MARKER BOARD LENGTH AS INDICATED. REFER TO MOUNTING HEIGHT DRAWING. REFER TO DETAIL 1/A-501
- (PMB) INDICATES 4' HIGH PROJECTABLE MARKER BOARD LENGTH AS INDICATED. REFER TO MOUNTING HEIGHT DRAWING. REFER TO DETAIL 1/A-501
- (TB) INDICATES 4' HIGH TACK BOARD LENGTH AS INDICATED. REFER TO MOUNTING HEIGHT DRAWING. REFER TO DETAIL 1/A-501
- (RS) INDICATES ROLLER SHADE FIT TO WINDOW
- (TV) TELEVISION MONITOR. REFER TO TECHNOLOGY DRAWING.

EQUIPMENT PLAN GENERAL NOTES:

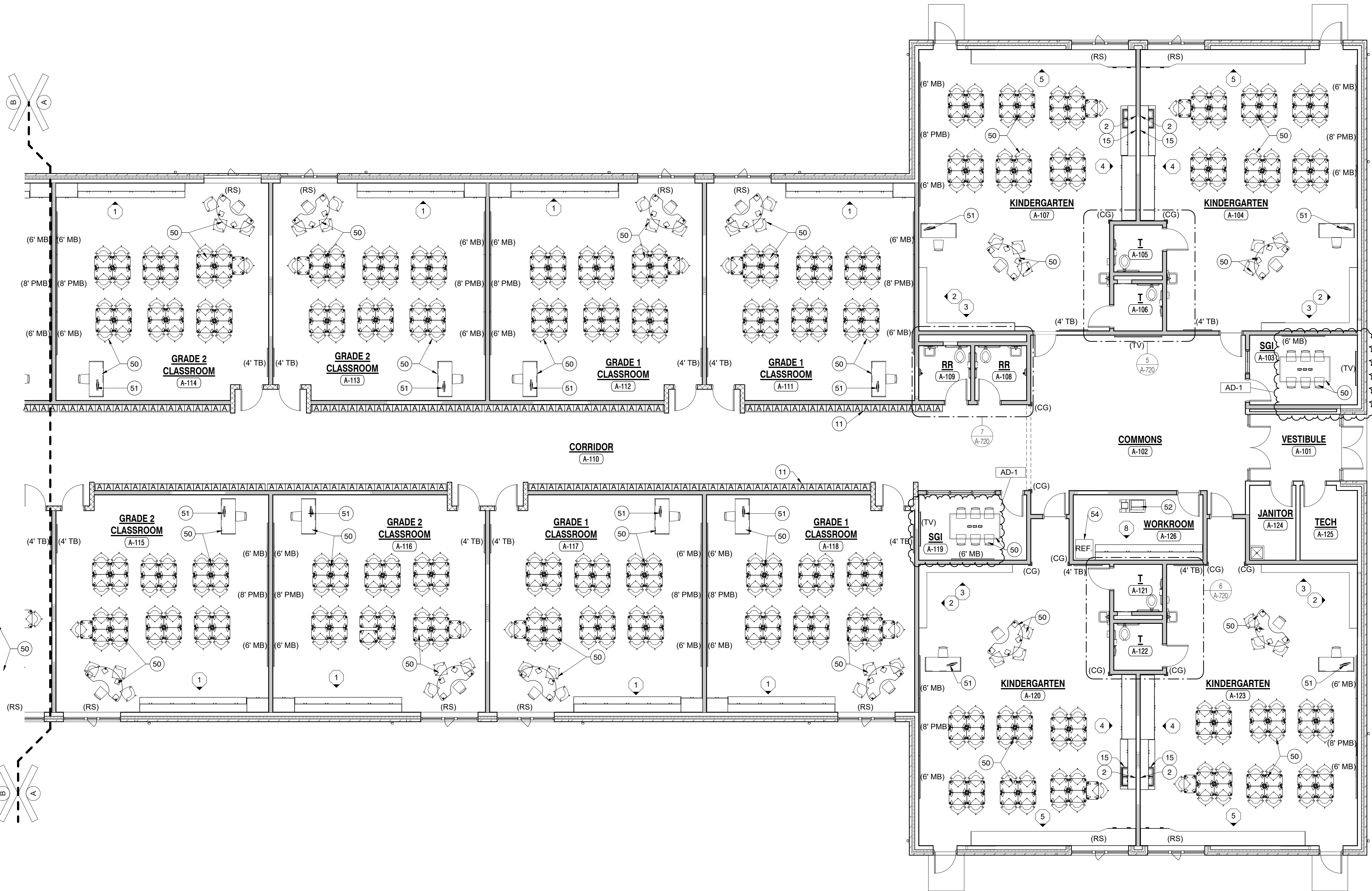
- A. REFER TO SPECIFICATIONS AND FINISH LEGEND FOR ADDITIONAL INFORMATION.
- B. FIELD VERIFY ALL DIMENSIONS
- C. CASEWORK AND/OR MILLWORK INSTALLER TO COORDINATE ELECTRICAL AND PLUMBING WORK. REFER TO ELECTRICAL DRAWINGS AND SCHEDULES FOR ELECTRICAL DEVICE TYPES, HEIGHTS, AND LOCATIONS
- D. REFER TO G-301 FOR MOUNTING HEIGHTS
- E. REFER TO ENLARGED TOILET ROOM PLANS, SHEET A-720, FOR TOILET ROOM EQUIPMENT

EQUIPMENT PLAN NOTES:

- 1 MEZZANINE ABOVE
- 2 PAPER TOWEL AND SOAP DISPENSER, OFCI
- 3 ROOF LADDER. REFER TO FLOOR PLANS.
- 4 KILN EXHAUST. REFER TO MECHANICAL DRAWINGS FOR HOOD EXHAUST.
- 5 SCOREBOARD. REFER TO ELECTRICAL DRAWINGS FOR POWER.
- 6 FORWARD FOLD GLASS BASKETBALL BACKSTOP AND SUPPORT FRAMING (MOTORIZED, ADJUSTABLE HEIGHT.)
- 7 BACKWARD FOLD GLASS BASKETBALL BACKSTOP AND SUPPORT FRAMING (MOTORIZED, ADJUSTABLE HEIGHT.)
- 8 SAFETY CUSHION WAINSCOT
- 9 CUBICLE CURTAIN AND TRACK (1'-0" RADIUS AT CORNER).
- 10 PROJECTION SCREEN (ELECTRICALLY OPERATED).
- 11 LOCKERS. LETTER INDICATES LOCKER TYPE.
- 12 FOLDING PARTITION ALTERNATE (ELECTRICALLY OPERATED).
- 13 BLEACHERS. REFER TO BLEACHER KEY NOTES.
- 14 DROP BOX. VERIFY HEIGHT WITH OWNER AND ARCHITECT'S FIELD REPRESENTATIVE.
- 15 SINK IN CASEWORK. REFER TO CASEWORK AND PLUMBING DRAWINGS.
- 16 CHAIR RAIL
- 17 COURT MARKINGS AND EQUIPMENT.
- 18 HAND WASH FOUNTAIN. REFER TO PLUMBING DRAWINGS.
- 19 CYCLORAMA CURTAIN
- 20 DRINKING FOUNTAIN. REFER TO PLUMBING DRAWINGS.
- 21 FIRE EXTINGUISHER (WALL MOUNTED) REFER TO FLOOR PLANS FOR FIRE EXTINGUISHER IN MECHANICAL MEZZANINES.

**OWNER FURNISHED EQUIPMENT
PLAN NOTES:**

- 50 LOOSE FURNITURE. BY OWNER. INDICATED ON PLAN FOR ELECTRICAL AND TECHNOLOGY COORDINATION.
- 51 COMPUTER/MONITOR. BY OWNER.
- 52 PRINTER/COPYER. BY OWNER.
- 53 CHAIR STORAGE CART. BY OWNER.
- 54 REFRIGERATOR. BY OWNER
- 55 TRASH CONTAINER. BY OWNER.
- 56 SHELVEING. BY OWNER.
- 57 FILE CABINET. BY OWNER.
- 58 MICROWAVE. BY OWNER.
- 59 COFFEE MAKER. BY OWNER.
- 60 CLOTHES WASHER. BY OWNER.
- 61 CLOTHES DRYER. BY OWNER.
- 62 DISHWASHER. BY OWNER.
- 63 MENU BOARD. BY OWNER.
- 64 VENDING MACHINE. BY OWNER.
- 65 CLINIC COTS. BY OWNER.
- 66 KILN. BY OWNER. REFER TO MECANICAL DRAWINGS FOR HOOD.
- 67 MUSICAL INSTRUMENTS. BY OWNER.
- 68 3D PRINTER. BY OWNER.
- 69 PAPER ROLL CART
- 70 BOOK DROP CART. BY OWNER.
- 71 BOOK CART. BY OWNER.



UNIT "A" FIRST FLOOR EQUIPMENT PLAN
1
A-701 1/8" = 1'-0"

KEY PLAN

GIBALTAR DESIGN

9102 N. Meridian St., Ste. 300
Indianapolis, IN 46260
Homepage: www.GibraltarDesign.com
Email: info@GibraltarDesign.com
Phone: 317.580.5777 Fax: 317.580.5778

PROJECT

21-134

DATE

03/31/2022

COORDINATED BY

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DRAWING
UNIT "A" FIRST FLOOR
EQUIPMENT PLAN

PROJECT
NEW YOST ELEMENTARY SCHOOL

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DESIGN
A
SHEET
A-701

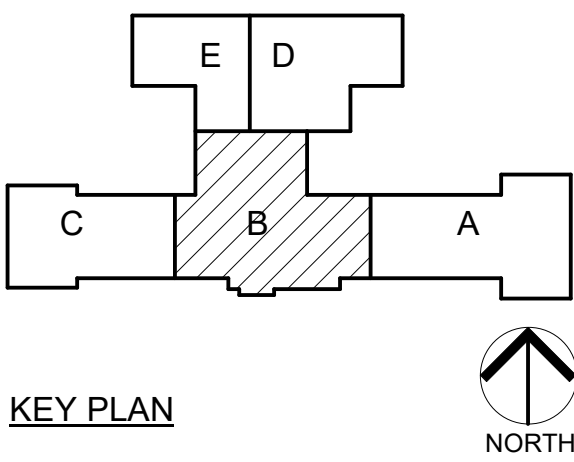


GIBRALTAR
DESIGN
ARCHITECTURE • ENGINEERING • INTERIOR DESIGN

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ELEMENTARY
SCHOOL**

DUNELAND SCHOOL
CORPORATION
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PORTER, IN 46304



KEY PLAN

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AD-1 4/14/2022 ADDENDUM 1

DRAWING

UNIT "B" FIRST FLOOR
EQUIPMENT PLAN

PROJECT

NEW YOST ELEMENTARY SCHOOL

GIBRALTAR
DESIGN

SHEET

B

A-702

EQUIPMENT PLAN LEGEND:

- INDICATES MISCELLANEOUS CASEWORK ELEVATION SYMBOL -- REFER TO A-700 SERIES DRAWINGS FOR ELEVATIONS AND DETAILS.
- INDICATES ITEMS TO BE PART OF LOOSE EQUIPMENT PACKAGE BY OWNER. (NOT INCLUDED IN CONSTRUCTION CONTRACTS).
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- (RS) INDICATES ROLLER SHADE FIT TO WINDOW
- (TV) TELEVISION MONITOR. REFER TO TECHNOLOGY DRAWING.

EQUIPMENT PLAN GENERAL NOTES:

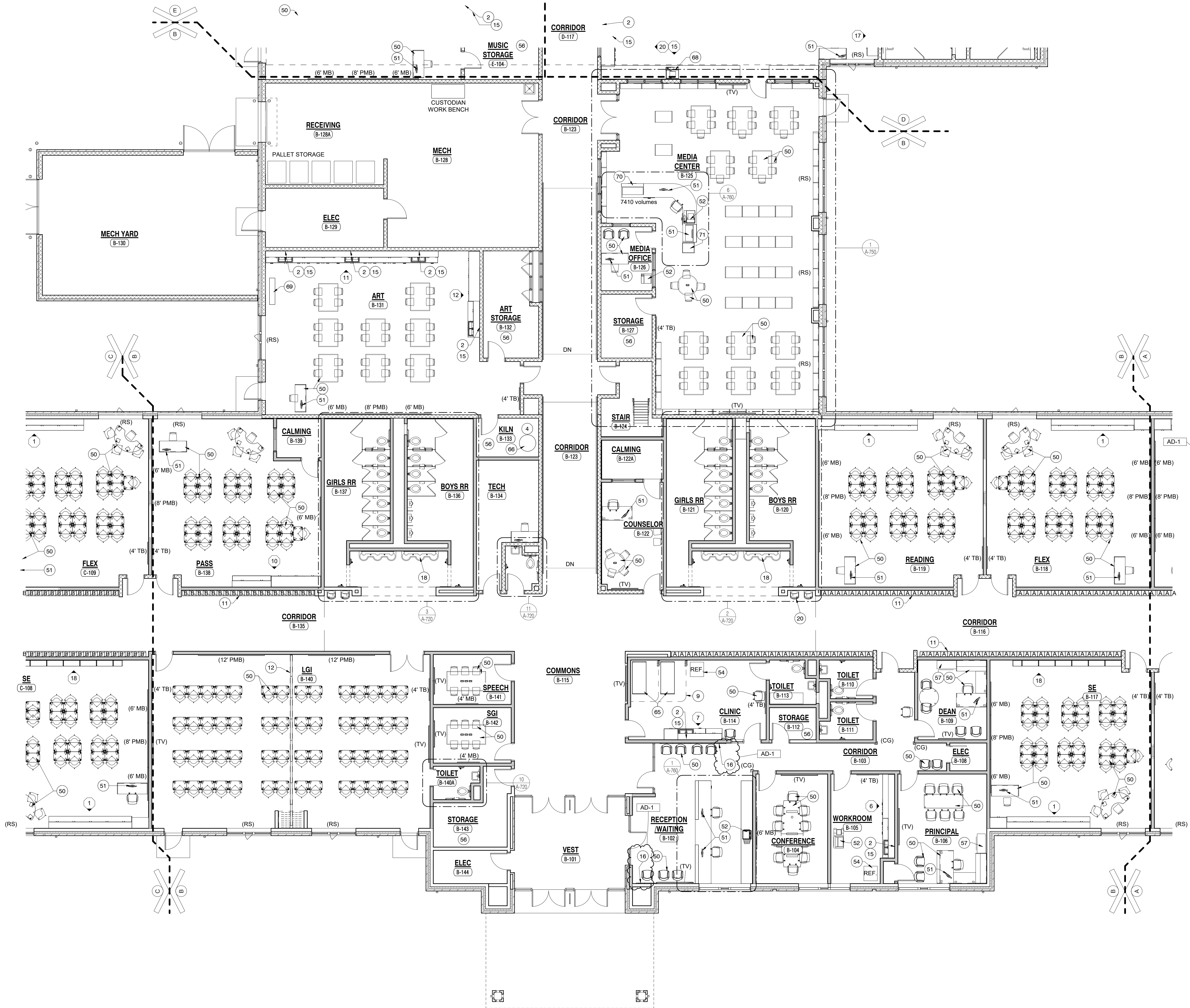
- A. REFER TO SPECIFICATIONS AND FINISH LEGEND FOR ADDITIONAL INFORMATION.
- B. FIELD VERIFY ALL DIMENSIONS
- C. CASEWORK AND/OR MILLWORK INSTALLER TO COORDINATE ELECTRICAL AND PLUMBING WORK, REFER TO ELECTRICAL DRAWINGS AND SCHEDULES FOR ELECTRICAL DEVICE TYPES, HEIGHTS, AND LOCATIONS
- D. REFER TO G-301 FOR MOUNTING HEIGHTS
- E. REFER TO ENLARGED TOILET ROOM PLANS, SHEET A-720, FOR TOILET ROOM EQUIPMENT

EQUIPMENT PLAN NOTES:

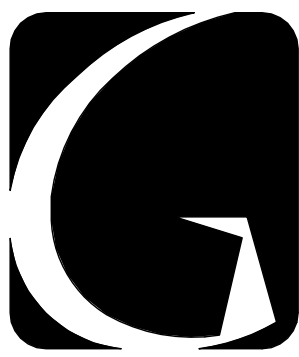
- MEZZANINE ABOVE
- PAPER TOWEL AND SOAP DISPENSER, OFCI
- ROOF LADDER, REFER TO FLOOR PLANS
- KILN EXHAUST, REFER TO MECHANICAL DRAWINGS FOR HOOD EXHAUST.
- SCOREBOARD, REFER TO ELECTRICAL DRAWINGS FOR POWER.
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- CUBICLE CURTAIN AND TRACK (1'-0" RADIUS AT CORNER).
- PROJECTION SCREEN (ELECTRICALLY OPERATED).
- LOCKERS, LETTER INDICATES LOCKER TYPE.
- FOLDING PARTITION ALTERNATE (ELECTRICALLY OPERATED).
- BLEACHERS, REFER TO BLEACHER KEY NOTES.
- DROP BOX, VERIFY HEIGHT WITH OWNER AND ARCHITECT'S FIELD REPRESENTATIVE.
- SINK IN CASEWORK, REFER TO CASEWORK AND PLUMBING DRAWINGS.
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- HAND WASH FOUNTAIN, REFER TO PLUMBING DRAWINGS.
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- DRINKING FOUNTAIN, REFER TO PLUMBING DRAWINGS.
- FIRE EXTINGUISHER (WALL MOUNTED) REFER TO FLOOR PLANS FOR FIRE EXTINGUISHER IN MECHANICAL MEZZANINES.

**OWNER FURNISHED EQUIPMENT
PLAN NOTES:**

- LOOSE FURNITURE, BY OWNER, INDICATED ON PLAN FOR ELECTRICAL AND TECHNOLOGY COORDINATION.
- COMPUTER/MONITOR, BY OWNER.
- PRINTER/COPIER, BY OWNER.
- CHAIR STORAGE CART, BY OWNER.
- REFRIGERATOR, BY OWNER.
- TRASH CONTAINER, BY OWNER.
- SHELVING, BY OWNER.
- FILE CABINET, BY OWNER.
- MICROWAVE, BY OWNER.
- COFFEE MAKER, BY OWNER.
- CLOTHES WASHER, BY OWNER.
- CLOTHES DRYER, BY OWNER.
- DISHWASHER, BY OWNER.
- MENU BOARD, BY OWNER.
- VENDING MACHINE, BY OWNER.
- CLINIC COTS, BY OWNER.
- KILN, BY OWNER, REFER TO MECHANICAL DRAWINGS FOR HOOD.
- MUSICAL INSTRUMENTS, BY OWNER.
- 3D PRINTER, BY OWNER.
- PAPER ROLL CART
- BOOK DROP CART, BY OWNER.
- BOOK CART, BY OWNER.



UNIT "B" FIRST FLOOR EQUIPMENT PLAN
1
A-702 1/8" = 1'-0"

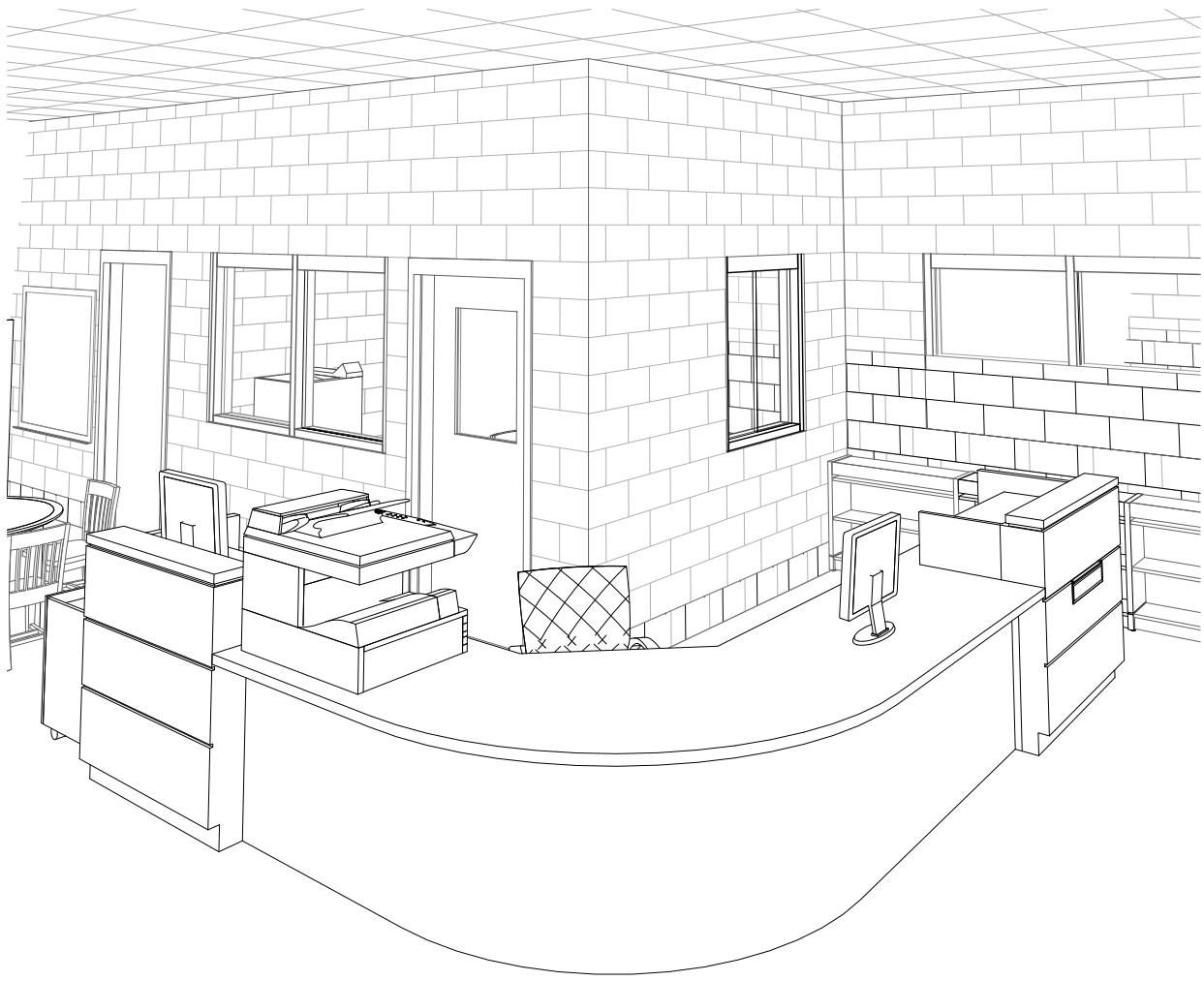


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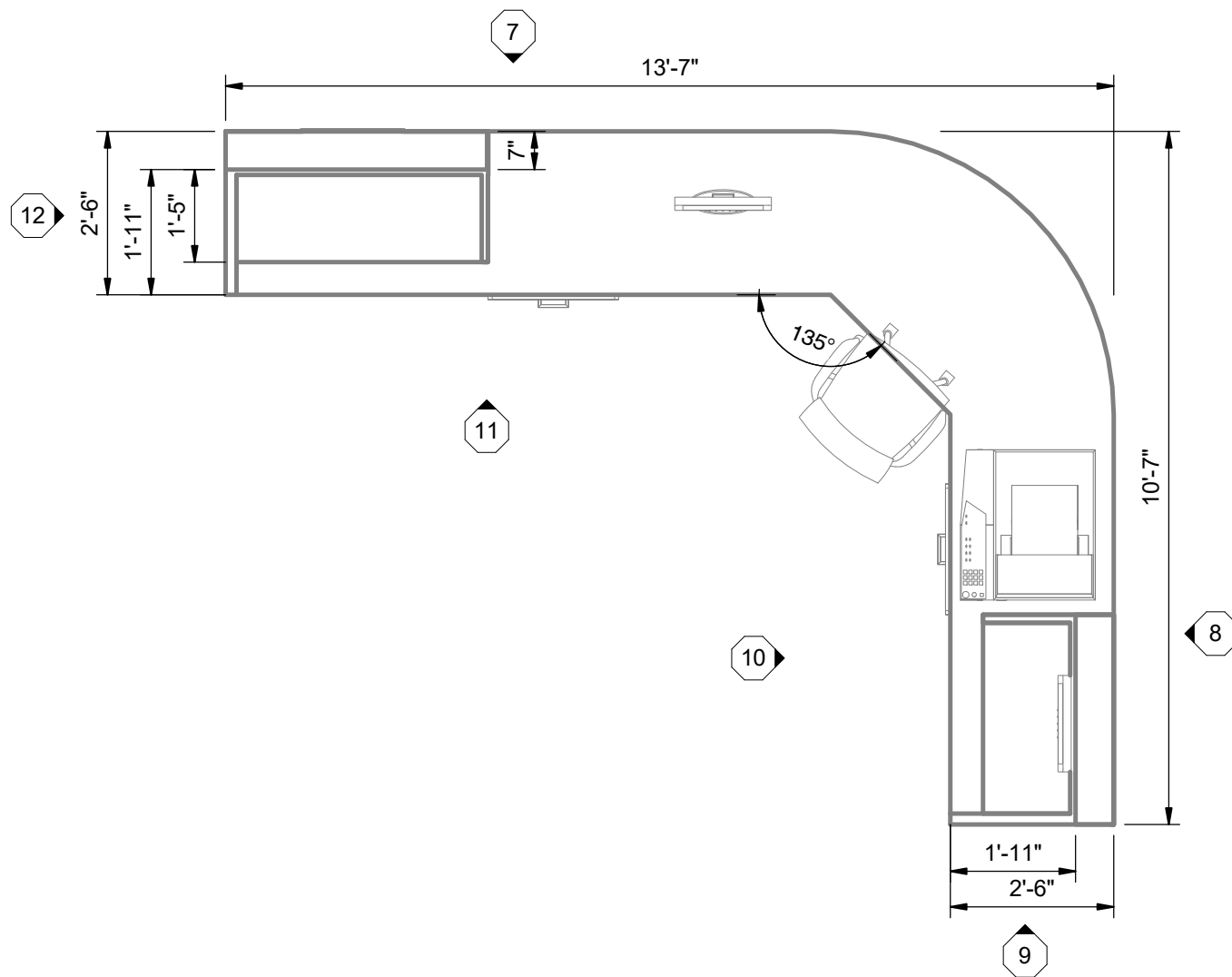
PROJECT:

**NEW YOST
ELEMENTARY
SCHOOL**

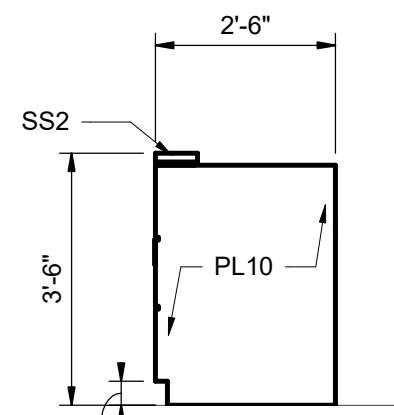
DUNELAND SCHOOL
CORPORATION
100 W BEAM ST
PORTER, IN 46304



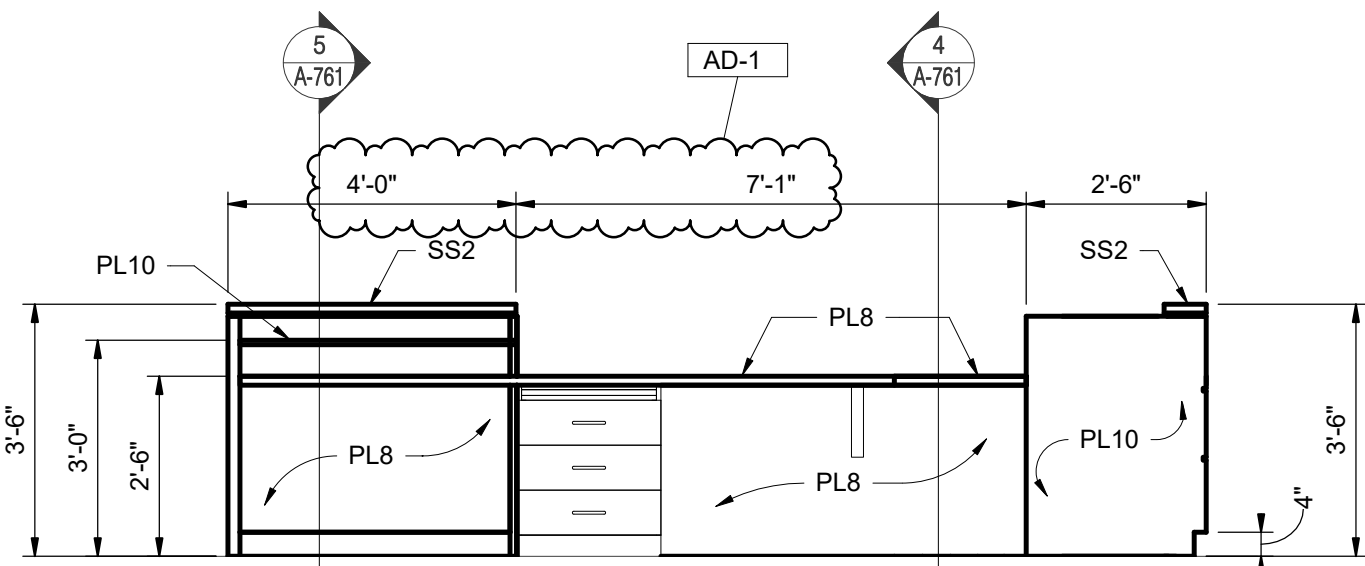
**CIRCULATION
DESK 3D VIEW**



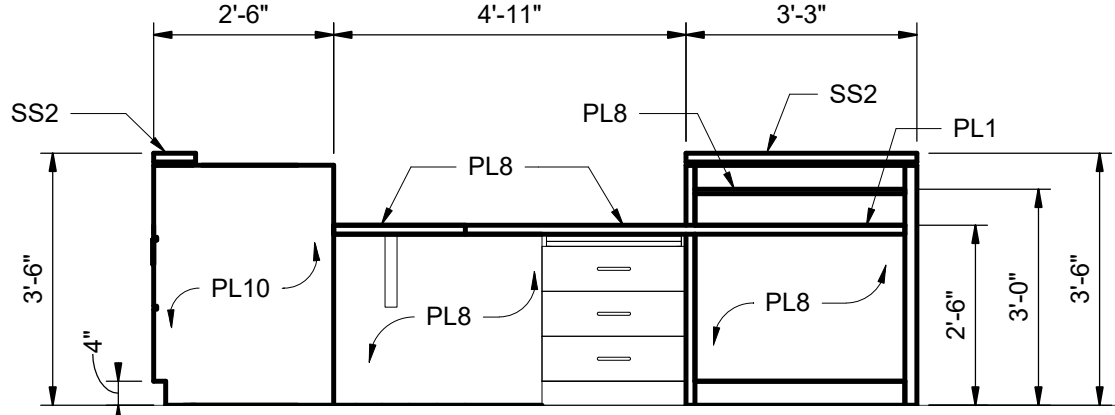
6 CIRCULATION DESK PLAN
A-760 3/8" = 1'-0"



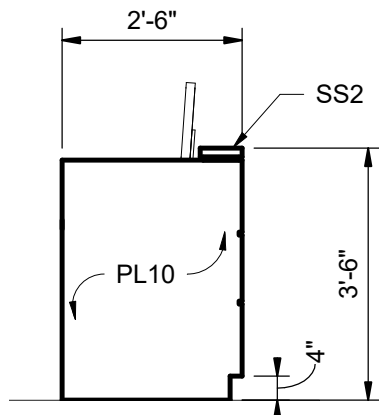
12 CIRC. DESK SIDE EAST ELEVATION
A-760 3/8" = 1'-0"



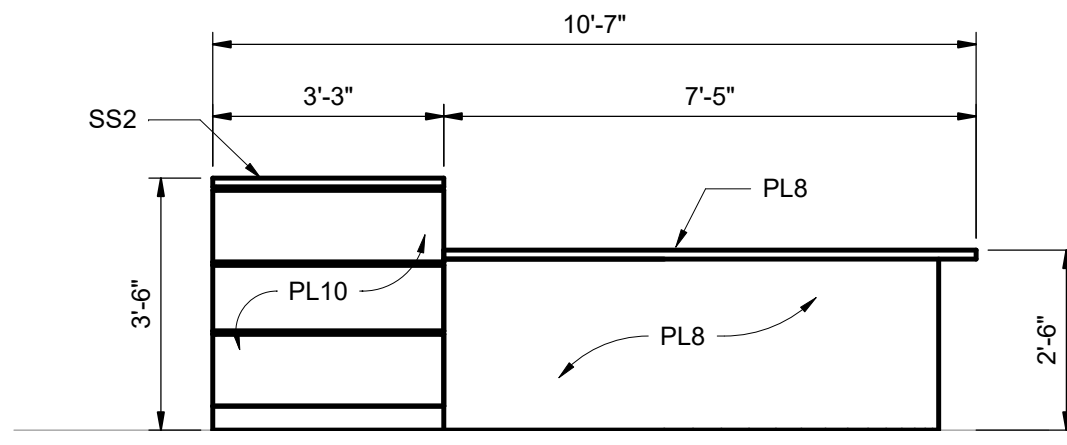
11 CIRC. DESK BACK NORTH ELEVATION
A-760 3/8" = 1'-0"



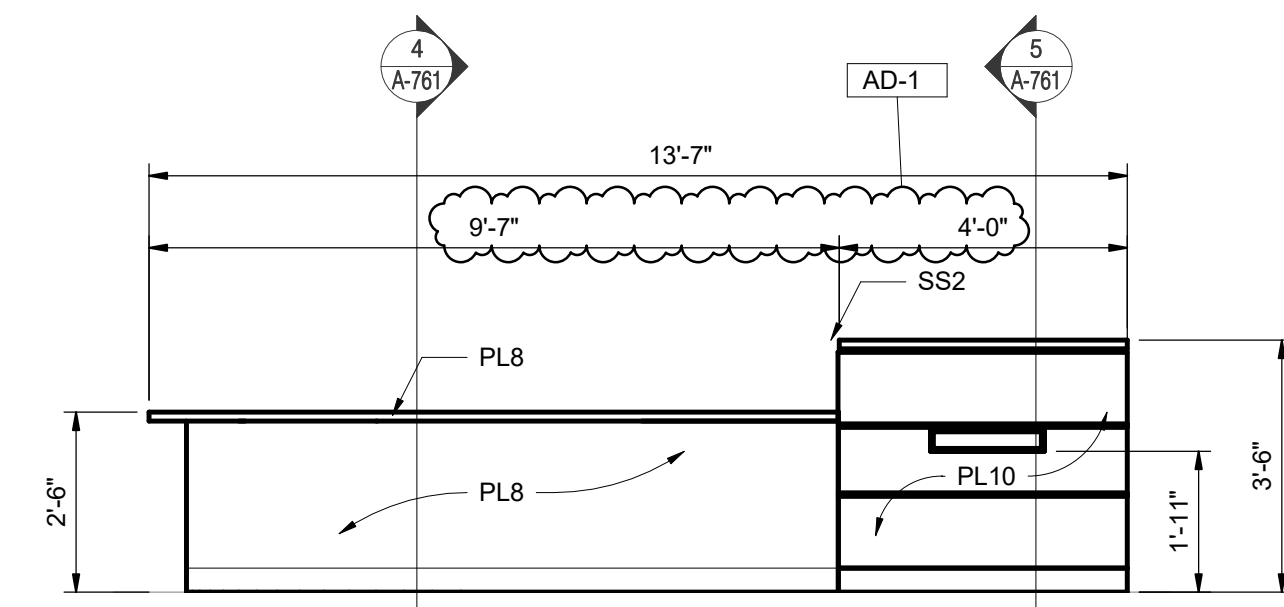
10 CIRC. DESK BACK EAST ELEVATION
A-760 3/8" = 1'-0"



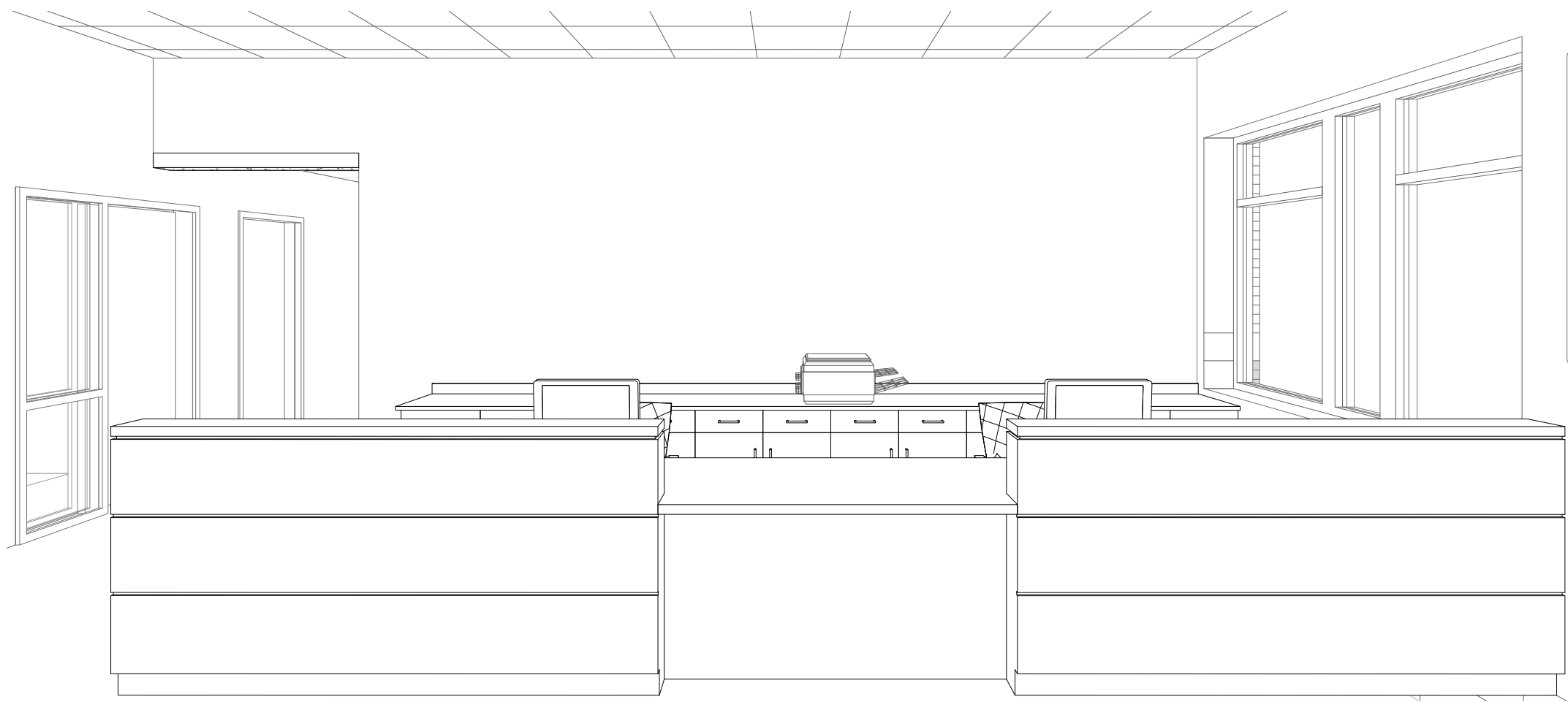
9 CIRC. DESK SIDE NORTH ELEVATION
A-760 3/8" = 1'-0"



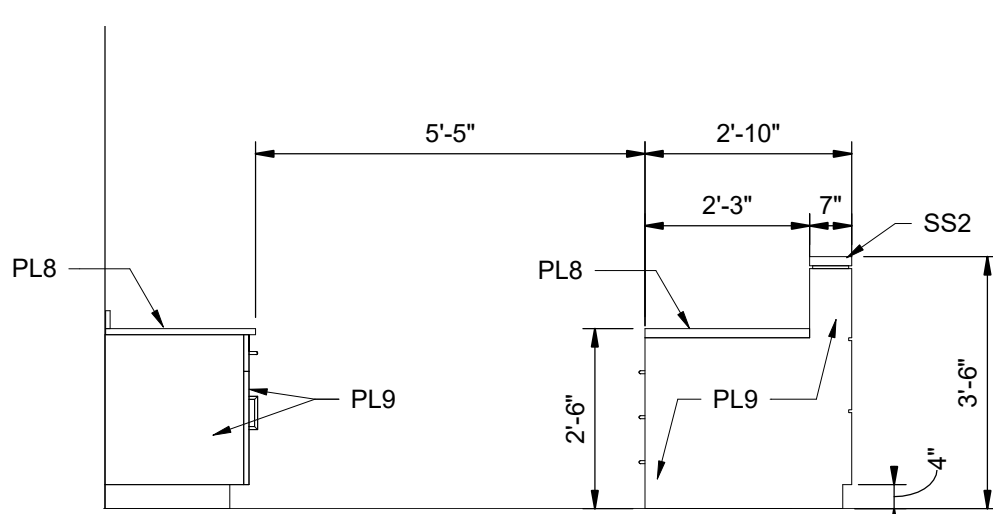
8 CIRC. DESK FRONT WEST ELEVATION
A-760 3/8" = 1'-0"



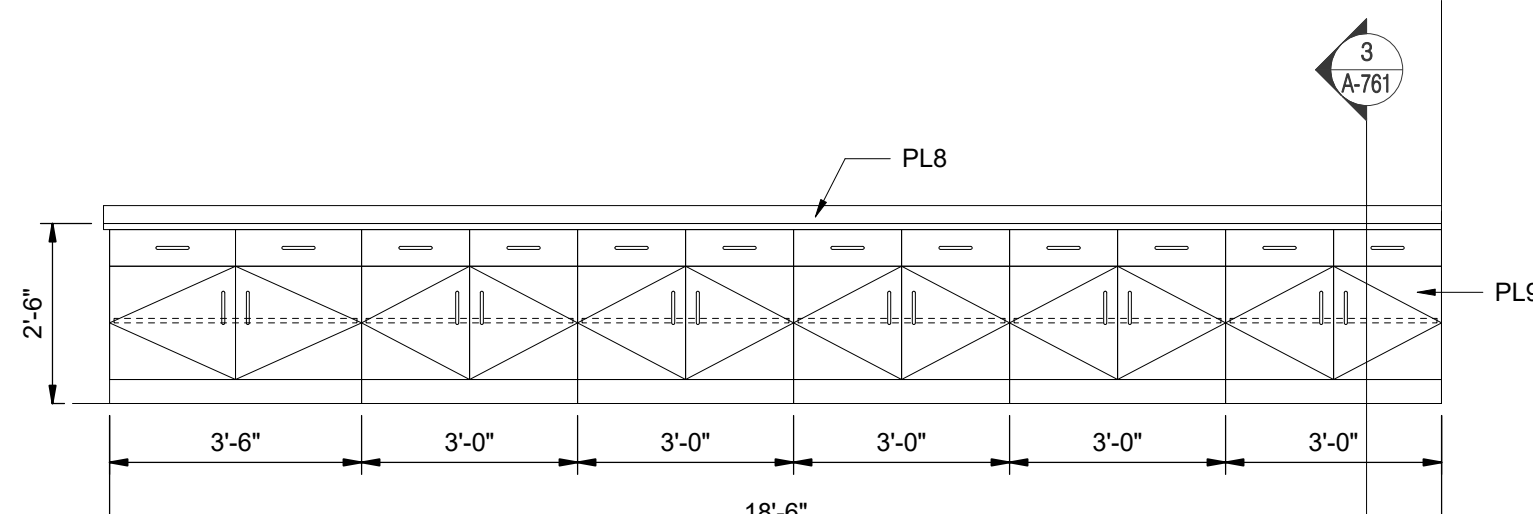
7 CIRC. DESK FRONT SOUTH ELEVATION
A-760 3/8" = 1'-0"



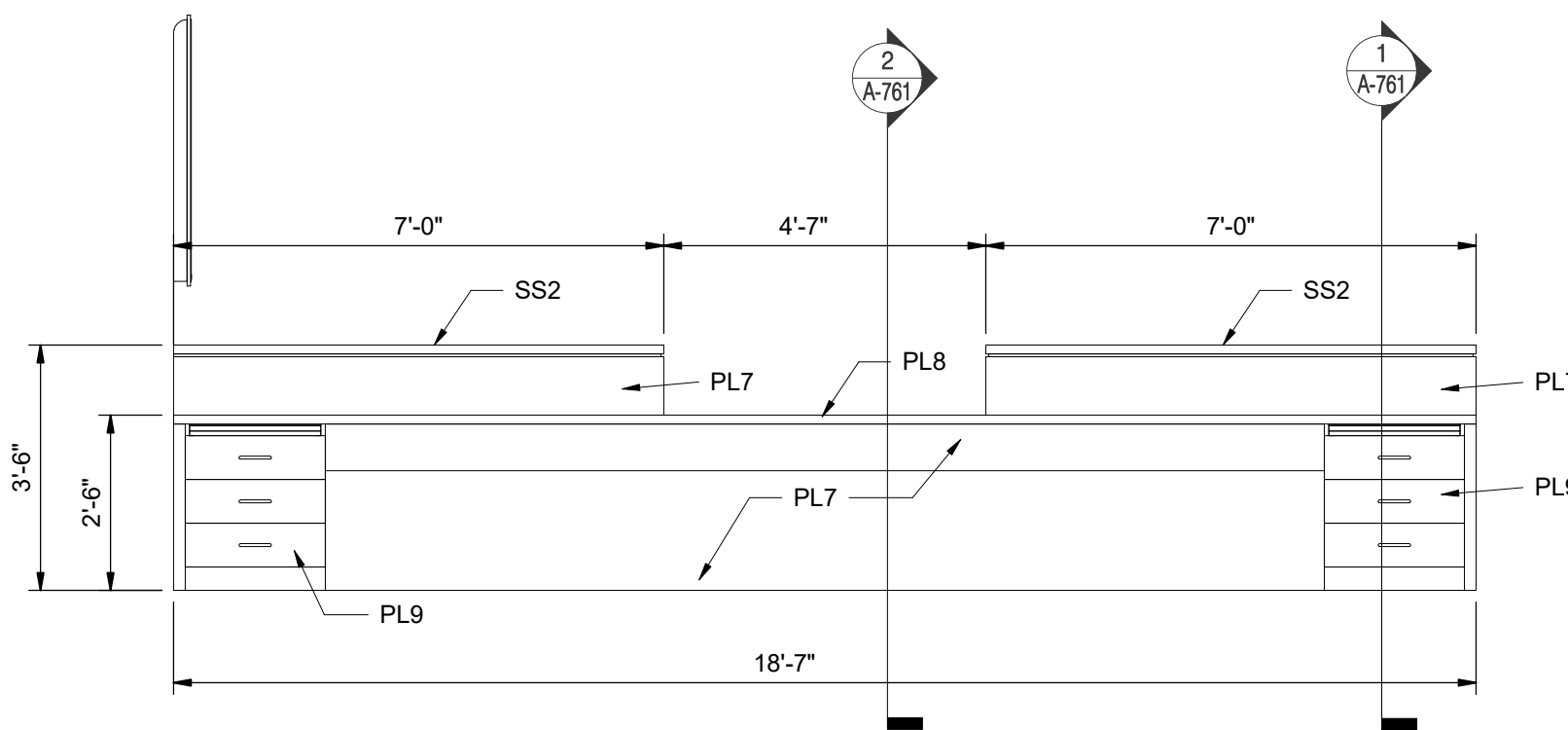
**RECEPTION
DESK 3D VIEW**



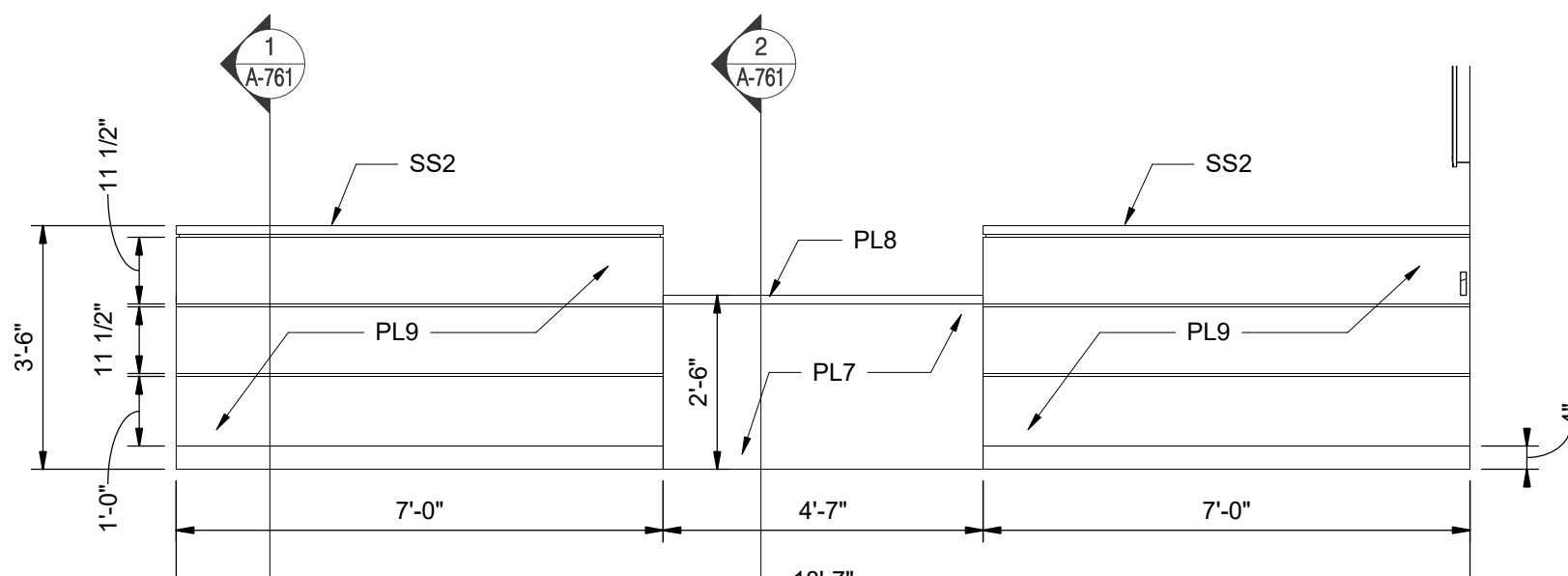
4 RECEPTION DESK SIDE ELEVATION
A-760 3/8" = 1'-0"



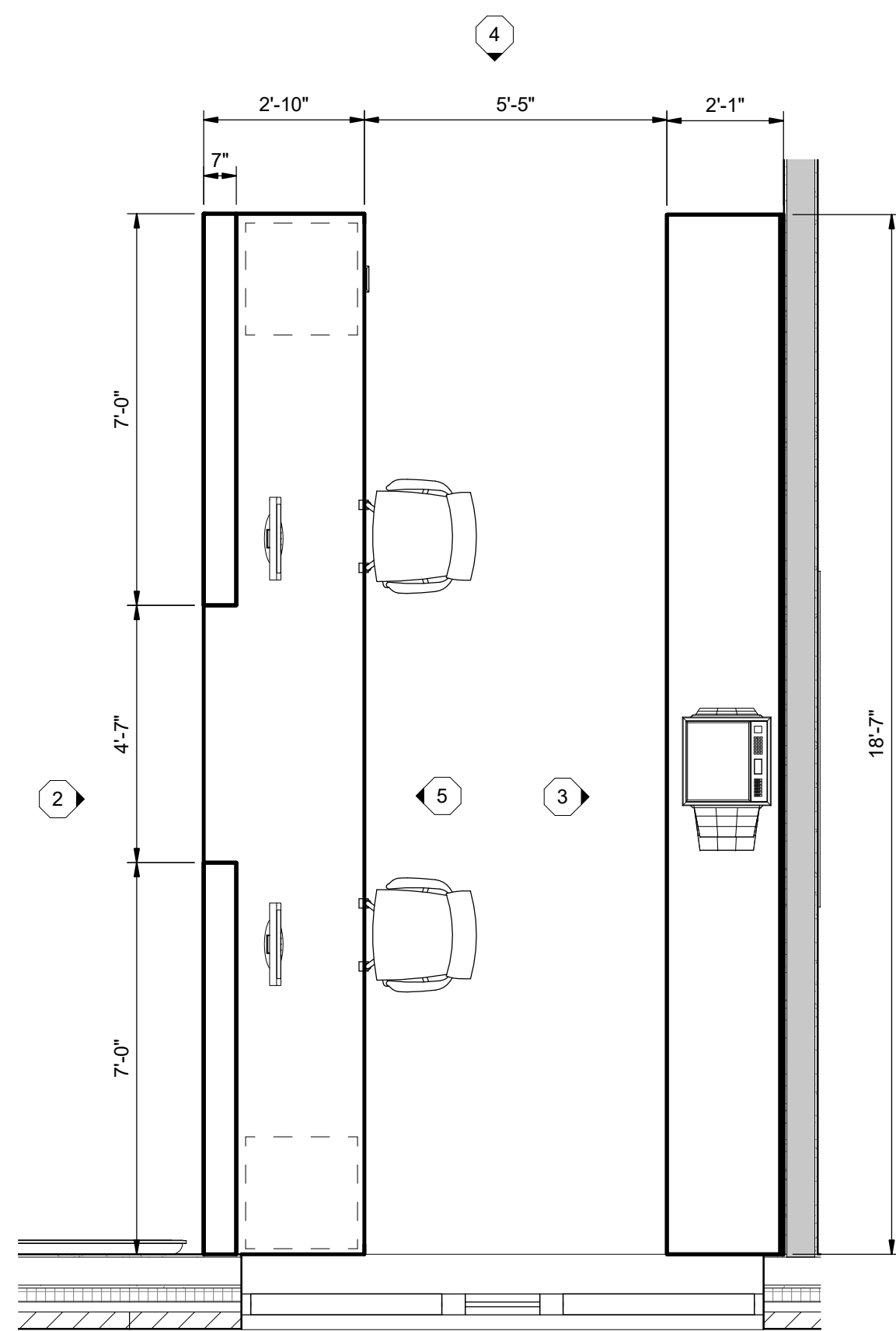
3 RECEPTION BACK COUNTER ELEVATION
A-760 3/8" = 1'-0"



5 RECEPTION DESK BACK ELEVATION
A-760 3/8" = 1'-0"



2 RECEPTION DESK FRONT ELEVATION
A-760 3/8" = 1'-0"



1 RECEPTION DESK PLAN
A-760 3/8" = 1'-0"

GIBALTAR DESIGN

9102 N. Meridian St., Ste. 300
Indianapolis, IN 46260
Homepage: www.GibraltarDesign.com
Email: info@GibraltarDesign.com
Phone: 317.580.5777 Fax: 317.580.5778

PROJECT
21-134
DATE
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DRAWING
MILLWORK ENLARGED PLAN /
ELEVATIONS

PROJECT
NEW YOST ELEMENTARY SCHOOL

GIBALTAR
DESIGN

SHEET

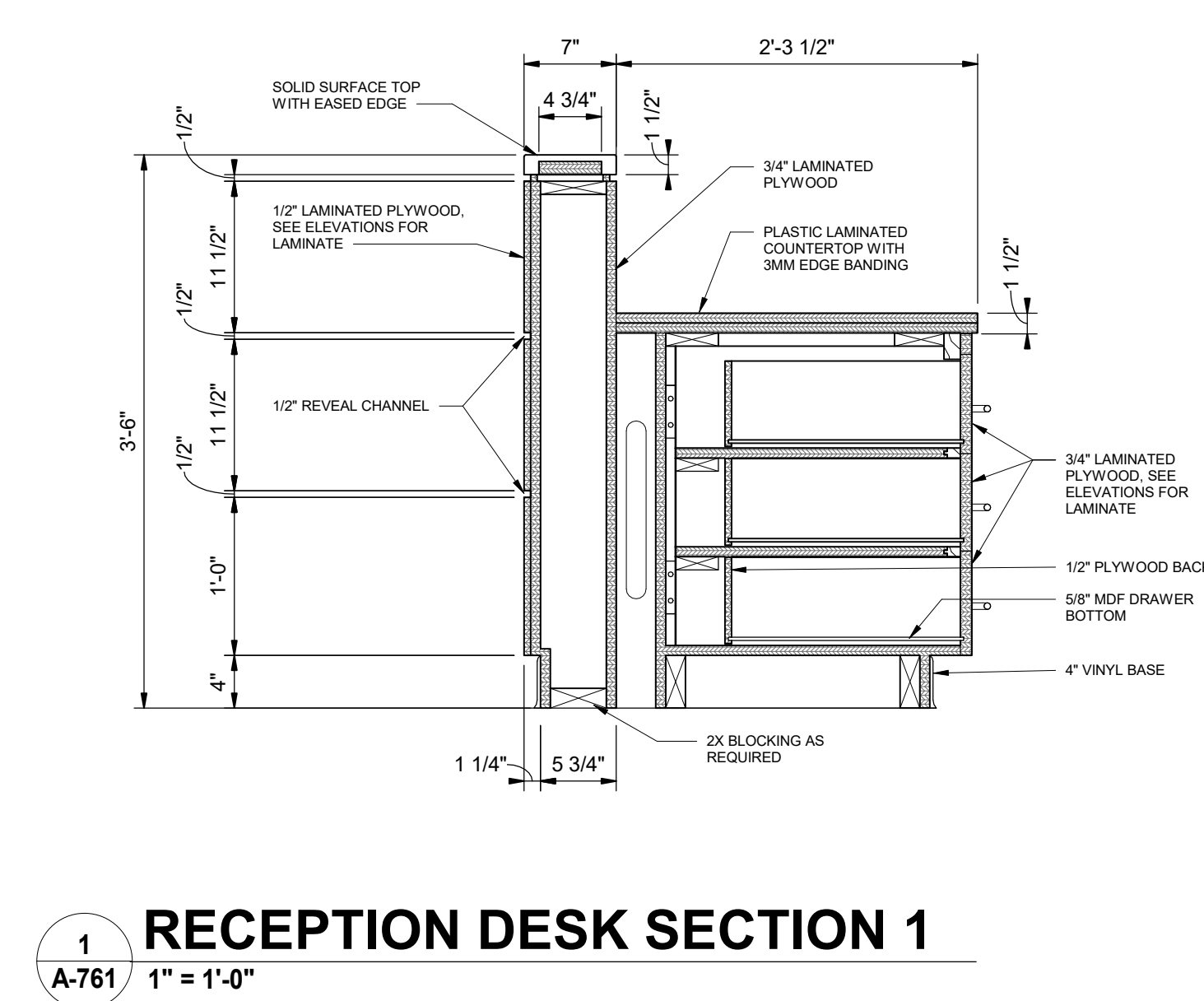
A-760

NEW YOST
ELEMENTARY
SCHOOL

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| | |
|--|----------|
| | A |
|--|----------|





GIBRALTAR
DESIGN
ARCHITECTURE - ENGINEERING - INTERIOR DESIGN

PROJECT:

**NEW YOST
ELEMENTARY
SCHOOL**

DUNELAND SCHOOL
CORPORATION
100 W BEAM ST
PORTER, IN 46304

GENERAL INTERIOR ELEVATION NOTES:

- A. REFERENCE FINISH LEGEND FOR FINISH INFORMATION.
- B. REFERENCE EQUIPMENT PLANS AND WRITTEN SPECIFICATIONS FOR ADDITIONAL FINISH INFORMATION.
- C. PRIOR TO INSTALLATION OF NEW FINISHES CONTRACTOR SHALL INSPECT ALL SUBSTRATES. IF A SUBSTRATE IS DEEMED UNACCEPTABLE THE CONTRACTOR SHALL TAKE THE NECESSARY STEPS TO RECTIFY THE SITUATION OR CONTACT THE ARCHITECT WITH THE CONCERN. PROCEEDING WITH THE INSTALLATION OF FINISHES WILL BE CONSTRUED THAT THE INSTALLER AND/OR FINISHER HAS ACCEPTED SAID SUBSTRATE. NO CHANGE ORDER WILL BE ISSUED TO RECTIFY CONCEALED, OR UNSATISFACTORY SUBSTRATE ONCE FINISH WORK HAS PROCEEDED.
- D. PREPARE ALL WALL CONSTRUCTION, NEW AND EXISTING, TO RECEIVE NEW FINISHES AS PER MANUFACTURER'S RECOMMENDED INSTALLATION METHODS AND MATERIALS FOR ALL FINISHES.
- E. ALL EXPOSED METAL SURFACES, SUCH AS GRILLES, FIRE EXTINGUISHER CABINETS, ETC. THAT ARE NOTED TO BE PAINTED SHALL BE PAINTED WITH ALKYD TYPE PAINT. COLOR TO BE COORDINATED WITH DESIGNER UNLESS OTHERWISE NOTED.
- F. THE CONTRACTOR SHALL BE RESPONSIBLE TO VERIFY THAT ALL NEW INTERIOR WALL AND CEILING FINISHES WILL BE CLASS B MINIMUM, WITH A FLAME SPREAD RATING OF 75 MAXIMUM, AND A SMOKE DEVELOPED INDEX OF 450 MAXIMUM, PER IBC SECTION 803.

INTERIOR ELEVATION NOTES:

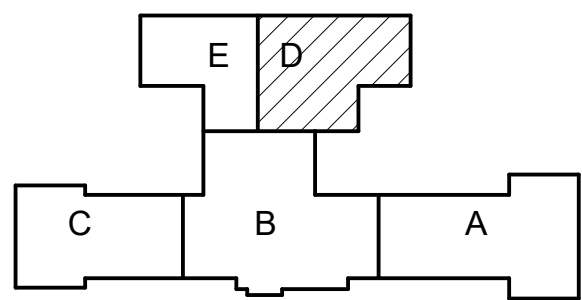
(ALL ELEVATION NOTES MAY NOT BE INDICATED ON THIS PLAN)

- AD-1 1 BLEACHERS, REFER TO EQUIPMENT PLANS.
- 2 LOCKERS, REFER TO EQUIPMENT PLANS.
- 3 BASKETBALL BACKSTOP, REFER TO EQUIPMENT PLANS.
- 4 SAFETY CUSHION WAINSCOT WITH SCHOOL GRAPHIC TBD, REFER TO EQUIPMENT PLANS.
- 5 SCOREBOARD, REFER TO EQUIPMENT PLANS.
- 6 DOOR
- 7 TRANSLUCENT WALL PANELS.
- 8 EXPOSED STRUCTURE AND ROOF DECK, PAINT P8, MECHANICAL DUCT BELOW TRUSS PAINT P4.
- 9 WALL MOUNTED TV MONITOR, REFER TO EQUIPMENT PLANS.
- 10 WALL MOUNTED MARKERBOARDS, REFER TO EQUIPMENT PLANS.
- 11 MOVEABLE PARTITION.
- 12 LOUVRE.
- 13 HAND-WASHING STATION.
- 14 DRINKING FOUNTAIN.
- 15 ROLLING SERVICE DOOR.
- 16 WALL MOUNTED TACKBOARDS, REFER TO EQUIPMENT PLANS.
- 17 MEDIA SHELVING.
- 18 LOCKERS.
- 19 TV, REFER TO TECHNOLOGY AND ELECTRICAL DRAWINGS.

INTERIOR ELEVATION FINISH NOTES:

(ALL ELEVATION NOTES MAY NOT BE INDICATED ON THIS PLAN)

- 50 WALLCOATING, W1
- 51 PAINT, P1
- 52 WALL BASE, B1
- 53 ACOUSTICAL WALL PANEL, AR-AWP1
- 54 ACOUSTICAL WALL PANEL, AR-AWP2
- 55 ACOUSTICAL WALL PANEL, AR-AWP3
- 56 ACOUSTICAL WALL PANEL, FW-AWP1
- 57 ACOUSTICAL WALL PANEL, FW-AWP2
- 58 ACOUSTICAL WALL PANEL, FW-AWP3
- 59 WALL TILE, WT1
- 60 BASE BID: WALLCOATING, W1
ALT: GFCMU
- 61 WALLCOVERING, WC1
- 62 PAINT, P2
- 63 PAINT, P3
- 64 PAINT, P4
- 65 PAINT, P5
- 66 PAINT, P6
- 67 WALLCOATING, W2
- 68 WALLCOATING, W3
- 69 WALL TILE, WT1
- 70 WALL TILE, WT2
- 71 WALL TILE, WT3
- 72 WALL TILE, WT4
- 73 WALL TILE, WT5
- 74 WALL TILE, WT6
- 75 WALL TILE, WT7
- 76 WALL TILE, WT8
- 77 WALLCOATING, W7
- 78 V JOINT
- 79 WALL BASE RB1
- 80 ACOUSTICAL WALL PANEL FW-AWP4
- 81 SOLID SURFACE, SS1
- 82 SCHLUTER TRIM
- 83 WALL BASE, RQ
- 84 WOOD TRIM



KEY PLAN

GIBRALTAR DESIGN

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Indianapolis, IN 46260
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Phone: 317.580.5777 Fax: 317.580.5778

PROJECT

21-134

DATE

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DRAWN BY

CLN, EKM

CHECKED BY

NAS

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| AD-1 | 4/14/2022 | ADDENDUM 1 |

DRAWING
INTERIOR ELEVATION -
GYMNASIUM

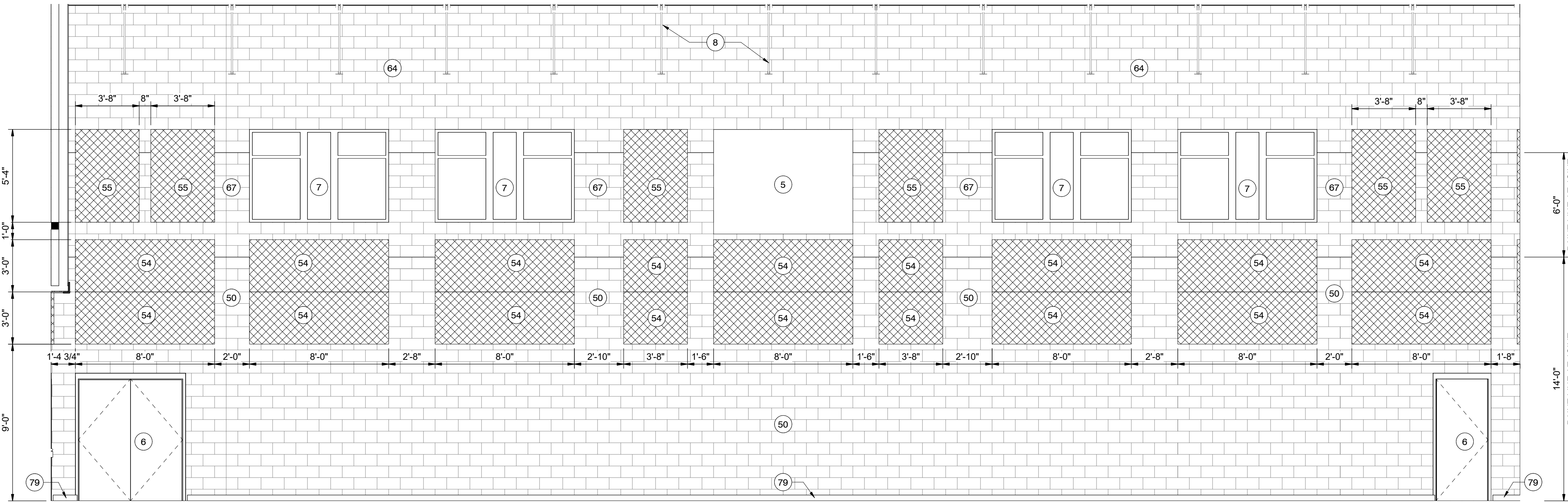
PROJECT
NEW YOST ELEMENTARY SCHOOL

GIBRALTAR
DESIGN

SHEET

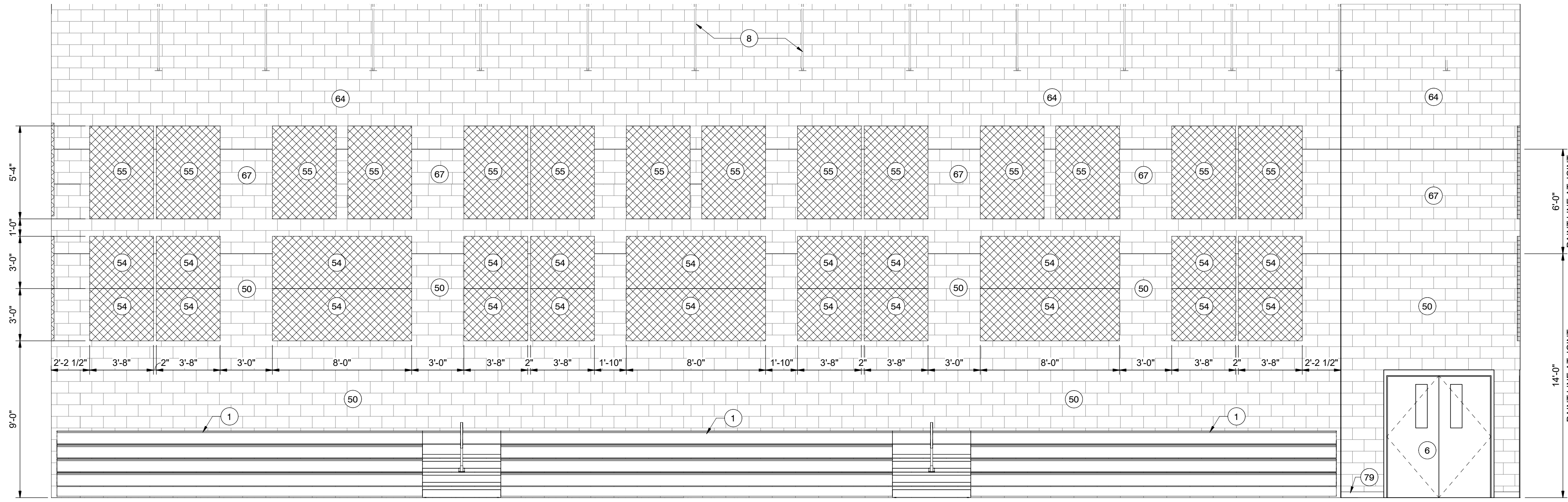
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A-860



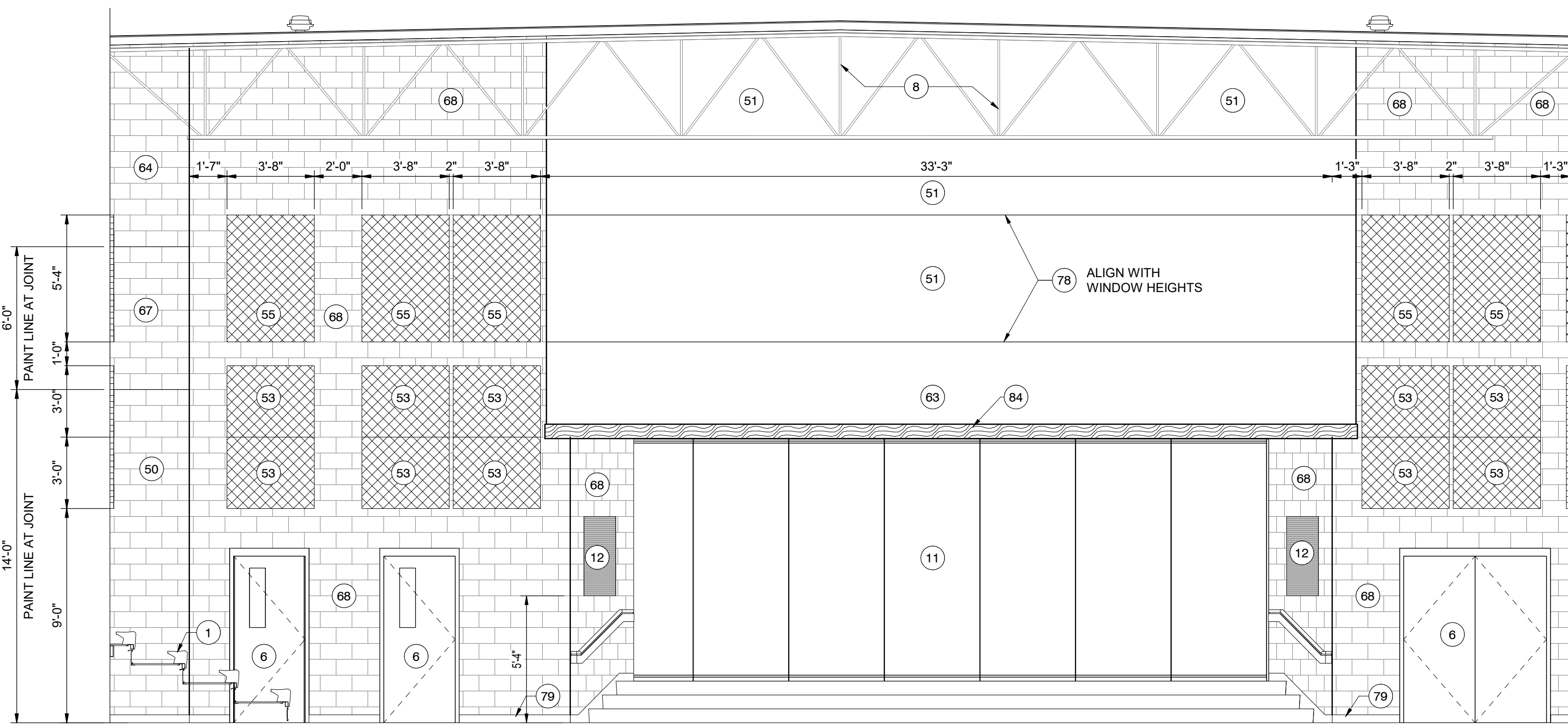
4 GYMNASIUM NORTH ELEVATION

A-860 1/4" = 1'-0"



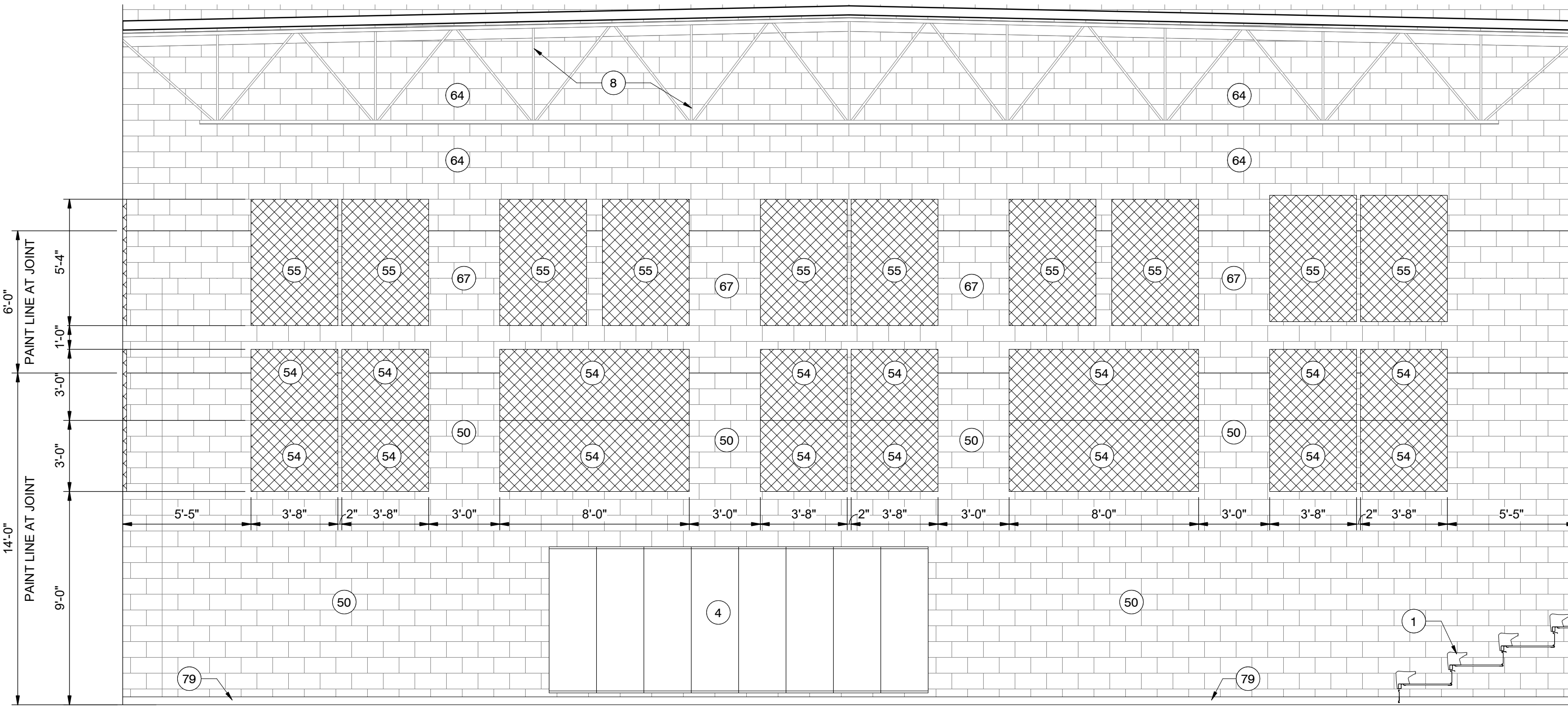
3 GYMNASIUM SOUTH ELEVATION

A-860 1/4" = 1'-0"



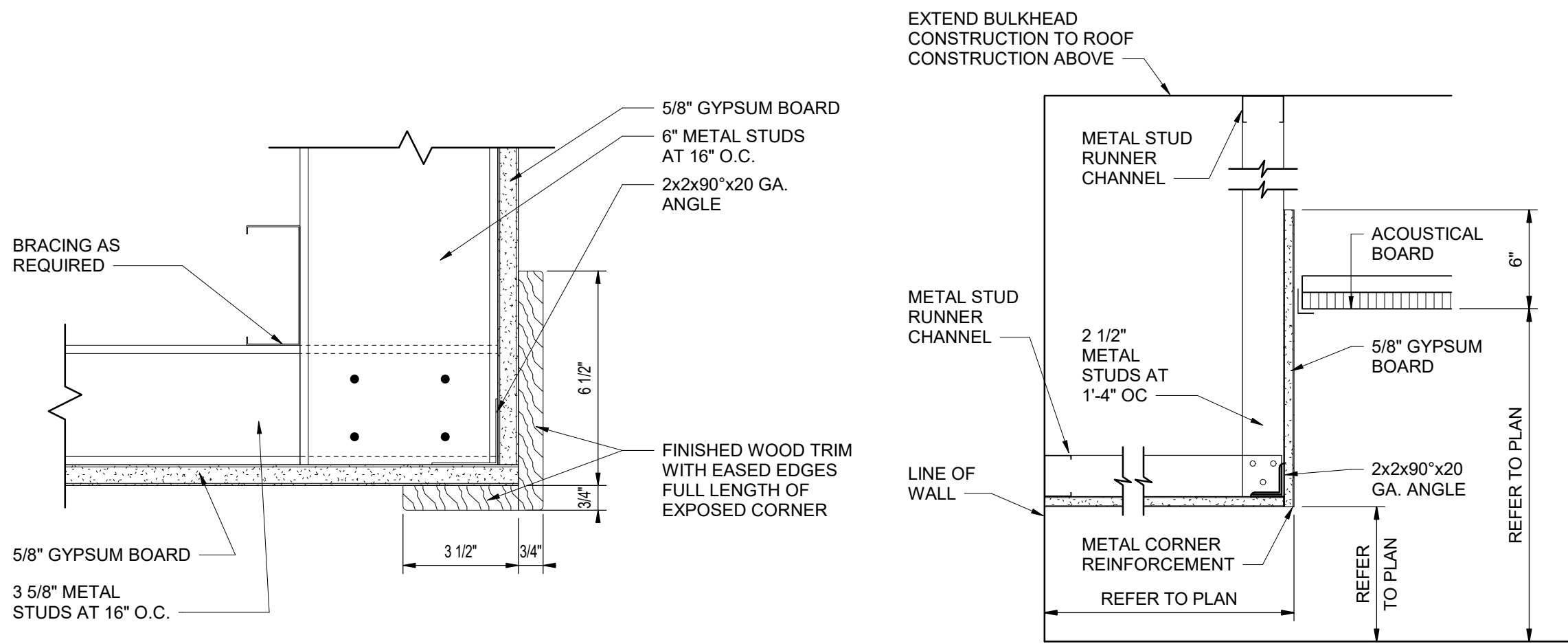
2 GYMNASIUM WEST ELEVATION

A-860 1/4" = 1'-0"



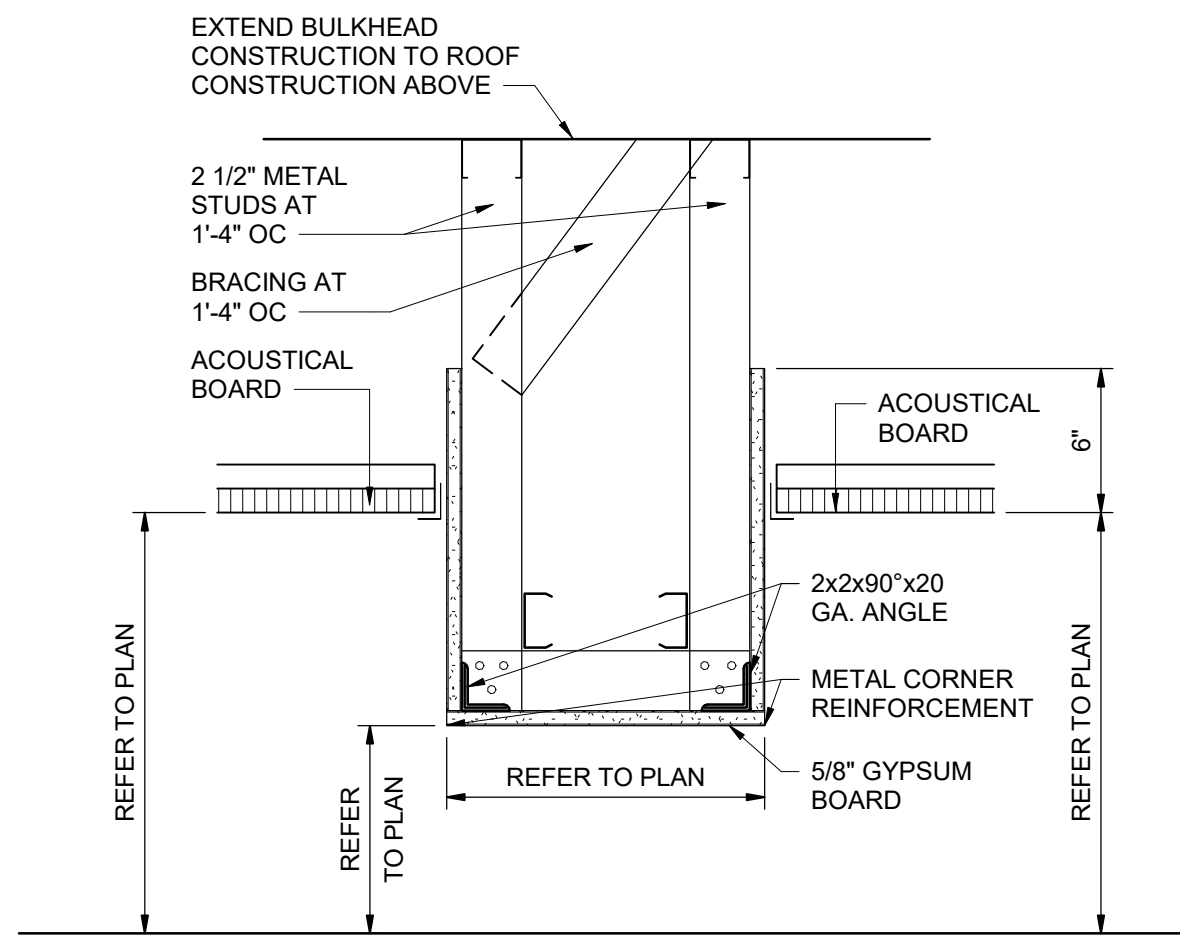
1 GYMNSAIUM EAST ELEVATION

A-860 1/4" = 1'-0"



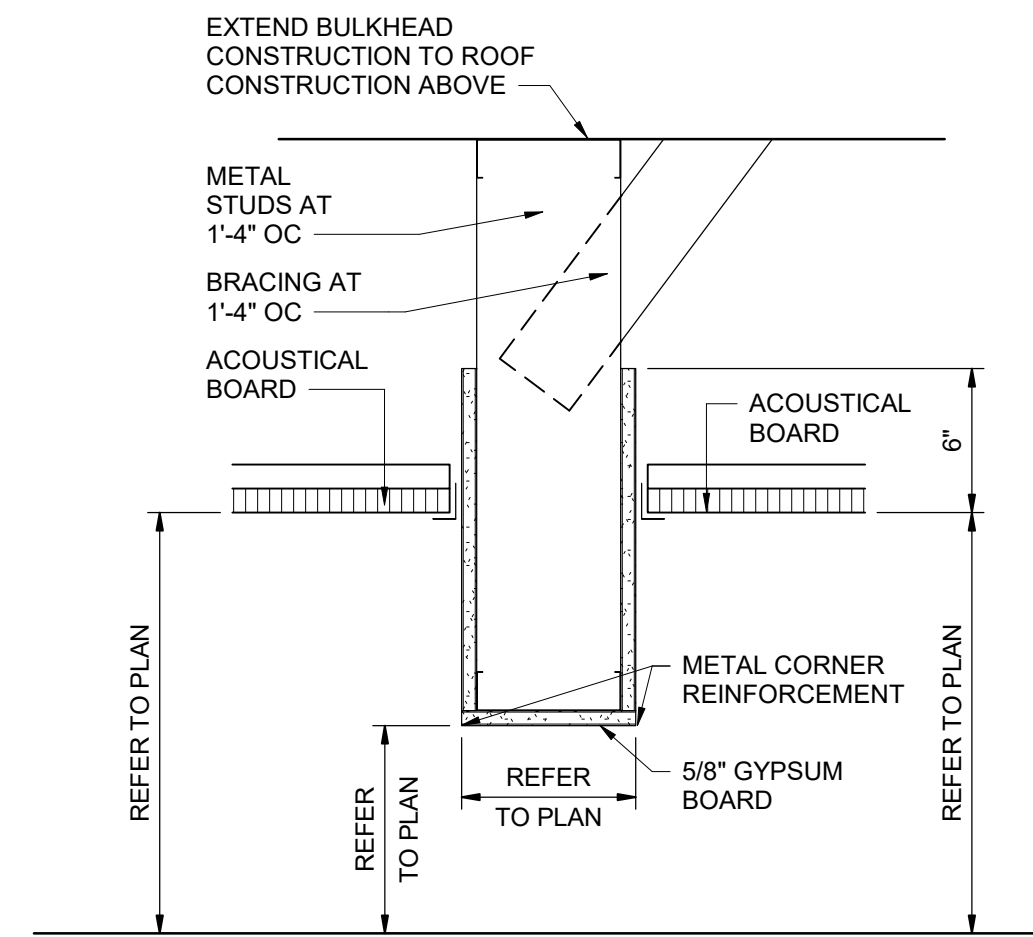
3
A-905 / 3" = 1'-0"

WOOD CORNER TRIM DETAIL



2
A-905 / 1 1/2" = 1'-0"

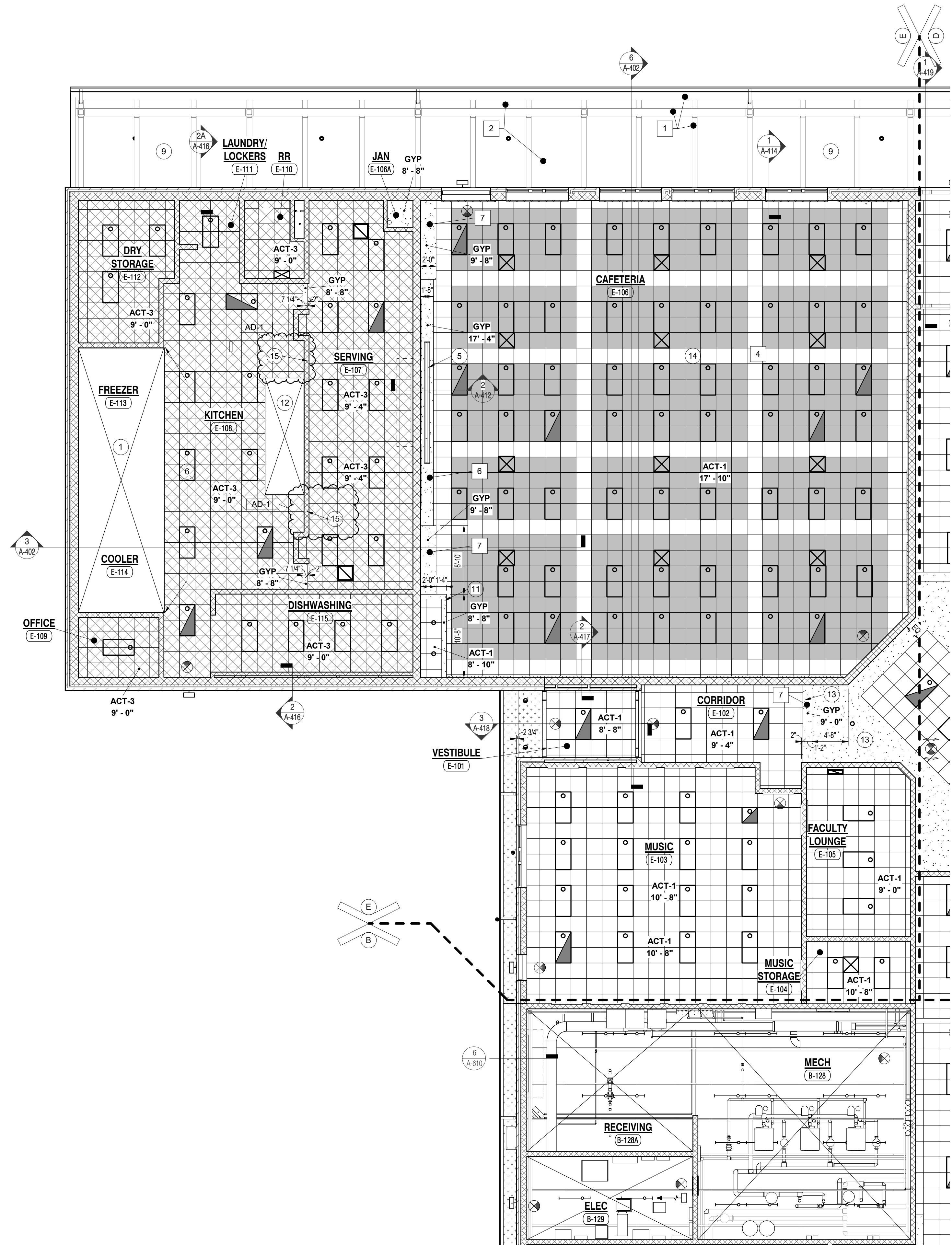
TYPICAL GYPSUM BOARD BULKHEAD DETAILS



DETAIL "A"

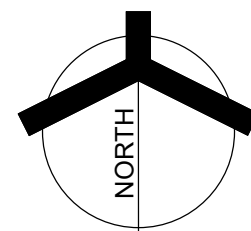
DETAIL "B"

DETAIL "C"



1
A-905 / 1/8" = 1'-0"

UNIT "E" FIRST FLOOR REFLECTED CEILING PLAN



GENERAL NOTES

- FOR GENERAL PROJECT NOTES, MATERIAL INDICATIONS LEGEND, SYMBOL LEGEND, ABBREVIATIONS, ETC., REFER TO SHEET G-301.
- THE ARCHITECTURAL REFLECTED CEILING PLANS COVER THE LAYOUT OF ALL CEILING ELEMENTS AND PENETRATIONS.
- BULKHEAD FRAMING SHALL BE ATTACHED TO STRUCTURAL SUPPORTS AND NOT THE ROOF DECK.
- REFER TO FLOOR PLANS FOR WALL TYPES.
- REFER TO FIRE PROTECTION DRAWINGS FOR SPRINKLER HEAD TYPES AND QUANTITIES. HEADS HAVE INTENTIONALLY BEEN OMITTED FOR CLARITY.
- CEILING ACCESS PANELS INDICATED ARE NOT INTENDED TO LIMIT NUMBER OF PANELS REQUIRED. PANEL QUANTITY SHALL BE SUFFICIENT TO PROVIDE REQUIRED ACCESS WHETHER OR NOT INDICATED ON THE DRAWINGS. VERIFY FINAL LOCATIONS WITH ARCHITECT PRIOR TO STARTING WORK.
- REFER TO ELECTRICAL DRAWINGS FOR LIGHT FIXTURE TYPE AND QUANTITIES.
- REFER TO MECHANICAL DRAWINGS FOR DIFFUSERS, GRILL TYPES AND QUANTITIES - ALL MECHANICAL ITEMS MAY NOT BE INDICATED ON THIS SHEET.
- REFER TO TECHNOLOGY DRAWINGS FOR ADDITIONAL CEILING MOUNTED TECHNOLOGY ITEMS.

CEILING LEGEND

| | |
|-------|---|
| ACT-1 | LIGHT FIXTURE |
| ACT-2 | SUPPLY AIR DIFFUSER |
| ACT-3 | RETURN OR EXHAUST REGISTER |
| ACT-4 | EXHAUST REGISTER |
| | EIFS SOFFIT - REFER TO ELEVATIONS FOR COLOR |
| | GYPSUM BOARD CEILING OR BULKHEAD, REFER TO TYPICAL BULKHEAD DETAILS (2 / A-905) AND WALL SECTIONS |

REFLECTED CEILING PLAN KEYED NOTES:

(ALL PLAN NOTES MAY NOT BE INDICATED ON THIS SHEET)

- OPEN TO STRUCTURE ABOVE - NO CEILING REQUIRED.
- GYM EQUIPMENT (TYPICAL), REFER TO EQUIPMENT DRAWINGS.
- APPROXIMATE POSITION OF RETRACTED BASKETBALL GOAL.
- CMU LINTEL AT 108'-8".
- PROJECTION SCREEN, REFER TO TECHNOLOGY DRAWINGS AND DETAIL.
- 4"x4" STAINLESS STEEL CLOSURE TRIM BETWEEN FACE OF COOLER AND CEILING GRID.
- ALTERNATE: OPERABLE PARTITION.
- ALTERNATE: OPERABLE PARTITION. BASE BID: STAGE CURTAIN AND VALANCE.
- ARCHITECTURALLY EXPOSED STRUCTURAL STEEL CANOPY. REFER TO FLOOR PLAN FOR BASE BID OR ALTERNATE.
- WOOD TRIM.
- INSTALL CEILING GRID WITH FULL TILE ALONG THIS WALL.
- EXHAUST HOOD, NO CEILING REQUIRED. COORDINATE EXACT SIZE AND LOCATION WITH KITCHEN AND MECHANICAL DRAWINGS.
- GYPSUM BOARD BULKHEAD.
- OMIT CEILING PADS OUTSIDE OF HATCHED AREAS IN THIS ROOM.
- CMU LINTEL AT 107'-4".

GENERAL REFLECTED CEILING FINISH NOTES:

- UNLESS NOTED OTHERWISE, GYPSUM BOARD AND/OR PLASTER CEILINGS AND BULKHEADS TO BE PAINTED P7
- UNLESS NOTED OTHERWISE, ALL EXPOSED STRUCTURE, DECK, MECHANICAL, AND ELECTRICAL TO BE PAINTED P7

REFLECTED CEILING FINISH NOTES:

(ALL PLAN NOTES MAY NOT BE INDICATED ON THIS SHEET)

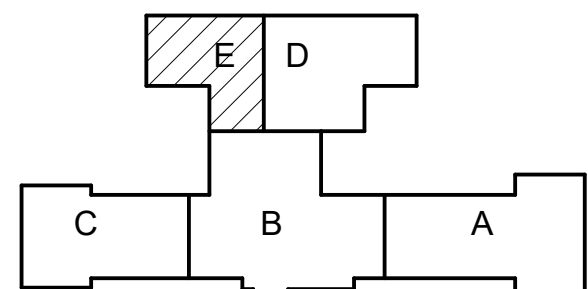
- PAINT EXPOSED CANOPY STEEL TO MATCH FASCIA AND COPING METAL COLOR A ON ALL EXPOSED SIDES.
- PAINT EXPOSED CANOPY DECK P10 ON ALL EXPOSED SIDES.
- PAINT ROOF DECK, STRUCTURE, PIPING, CONDUIT, AND DUCTWORK P9 ON ALL EXPOSED SIDES.
- PAINT ROOF DECK, STRUCTURE, PIPING, CONDUIT, AND DUCTWORK P9 ON ALL EXPOSED SIDES.
- PAINT BULKHEAD P2 ON ALL EXPOSED SIDES.
- PAINT BULKHEAD P3 ON ALL EXPOSED SIDES.
- PAINT BULKHEAD P1 ON ALL EXPOSED SIDES.
- PAINT BULKHEAD P5 ON ALL EXPOSED SIDES.



PROJECT:

**NEW YOST
ELEMENTARY
SCHOOL**

DUNELAND SCHOOL
CORPORATION
100 W BEAM ST
PORTER, IN 46304



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PROJECT

21-134

DATE

03/31/2022

COORDINATED BY

JMG

DRAWN BY

JMG

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MLR

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DRAWING
UNIT "E" FIRST FLOOR
REFLECTED CEILING PLAN AND
DETAILS

PROJECT
NEW YOST ELEMENTARY SCHOOL

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SHEET
E A-905



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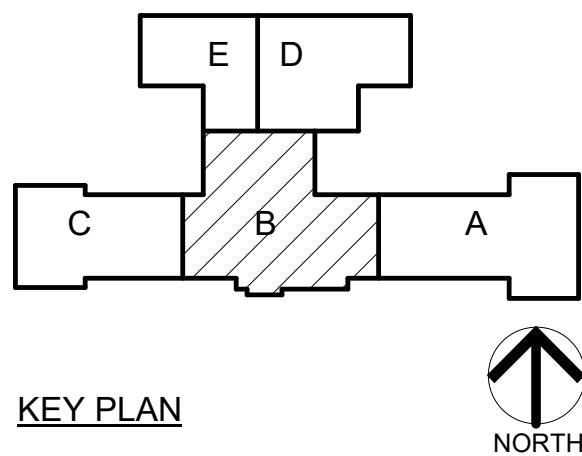
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DRAWING

**UNIT "B" MECHANICAL
VENTILATION FIRST FLOOR
PLAN**

PROJECT

NEW YOST ELEMENTARY SCHOOL

SHEET

B

MV102

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SEE SHEET MV104 FOR
CONTINUATION OF WORK

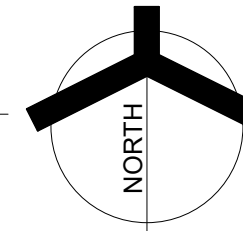
SEE SHEET MV103 FOR
CONTINUATION OF WORK

SEE SHEET MV101 FOR
CONTINUATION OF WORK

1
MV102

UNIT "B" MECHANICAL VENTILATION FIRST FLOOR PLAN

1/8" = 1'-0"



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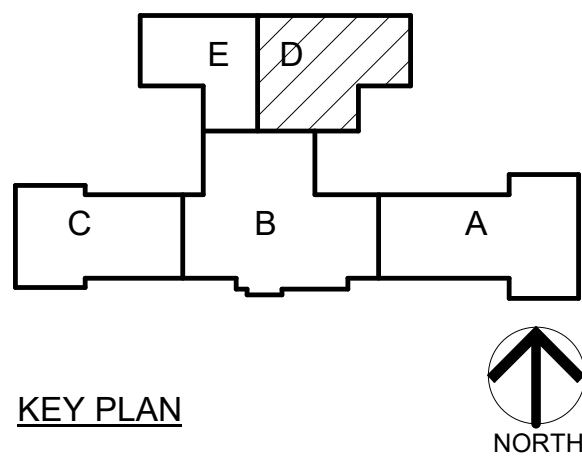
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DRAWING
UNIT "D" MECHANICAL
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PLAN

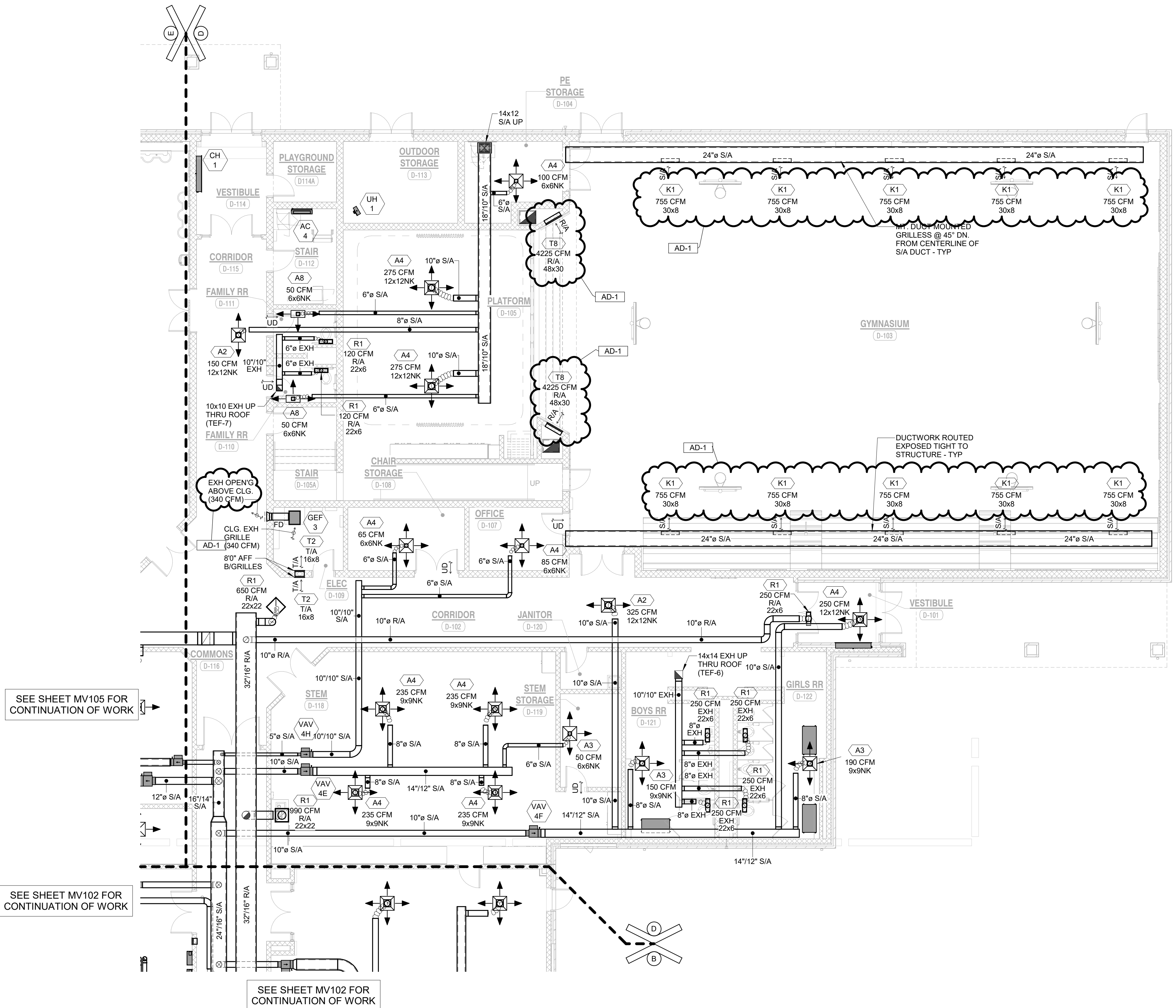
PROJECT

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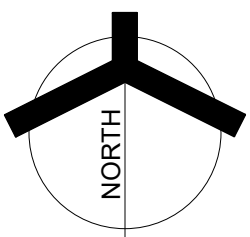
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D MV104



UNIT "D" MECHANICAL VENTILATION FIRST FLOOR PLAN
MV104/ 1/8" = 1'-0"





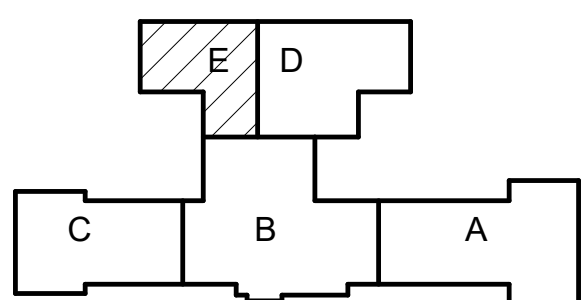
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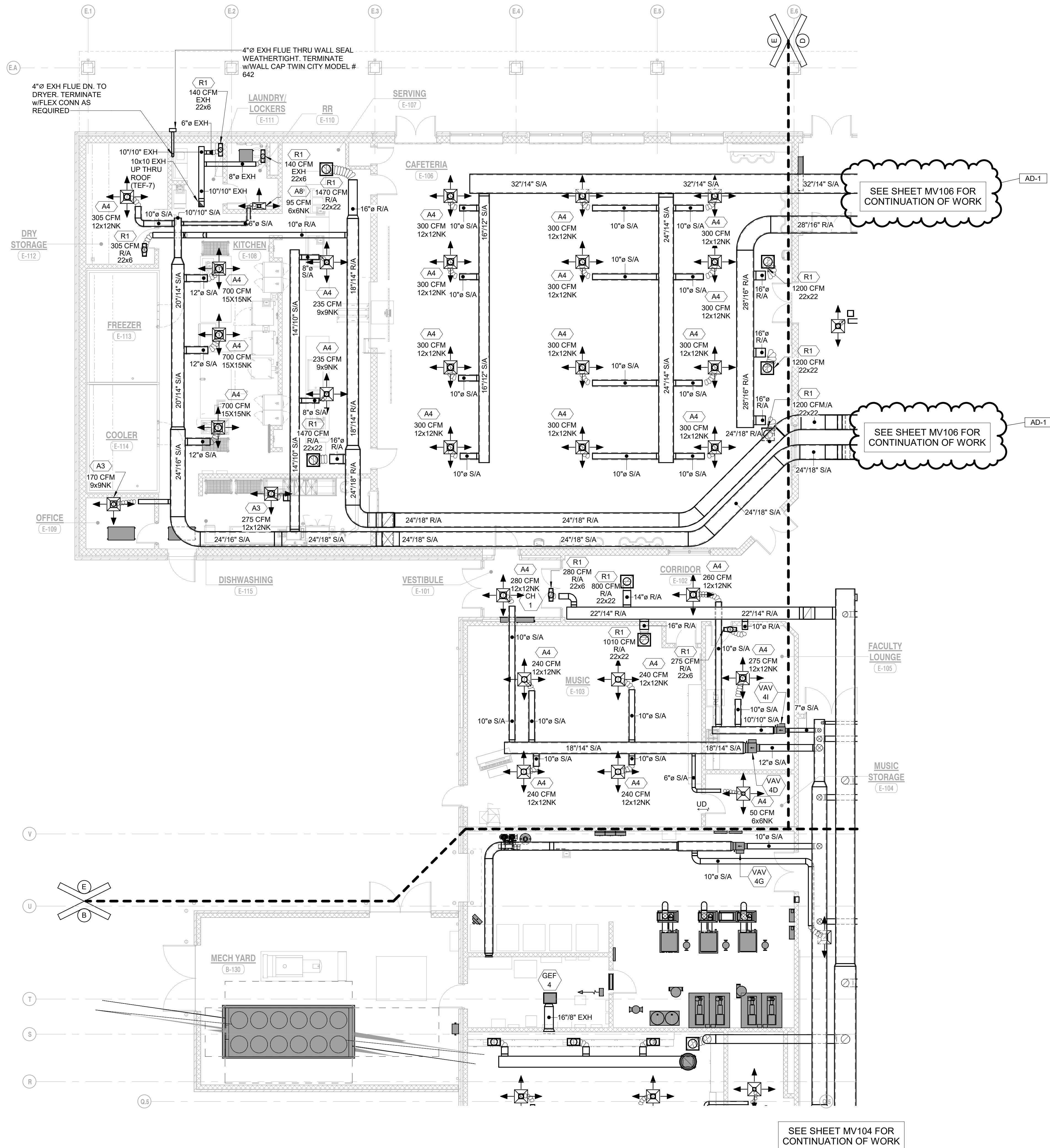
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VENTILATION FIRST FLOOR
PLAN**

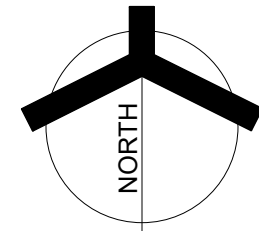
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GIBRALTAR DESIGN SHEET

E MV105



1 UNIT "E" MECHANICAL VENTILATION FIRST FLOOR PLAN
MV105 1/8" = 1'-0"





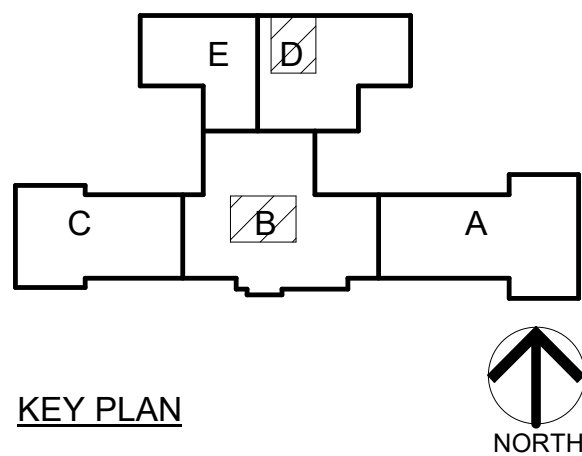
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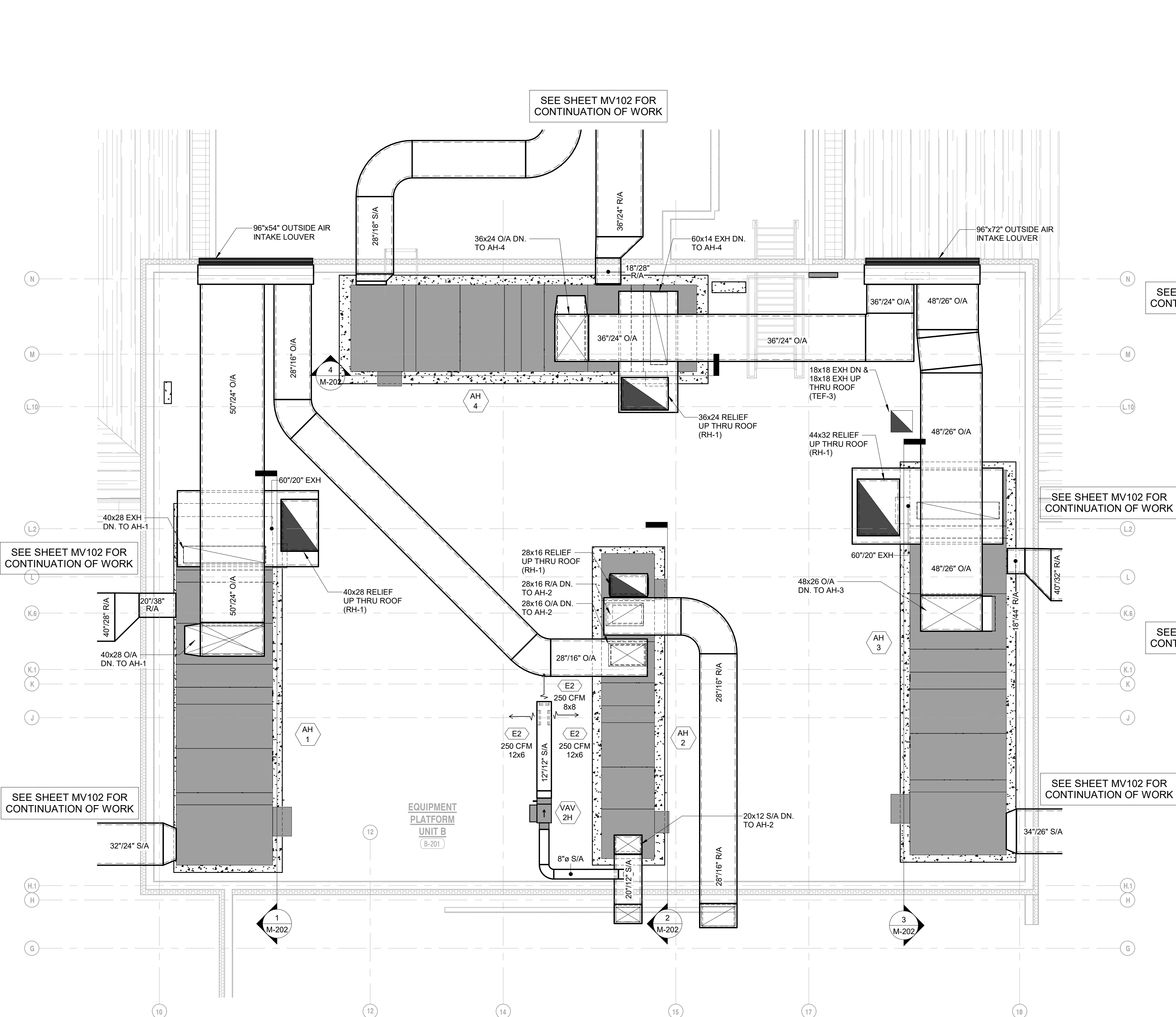
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UNIT "B" & UNIT "D"
MECHANICAL VENTILATION
MEZZANINE PLANS

PROJECT
NEW YOST ELEMENTARY SCHOOL

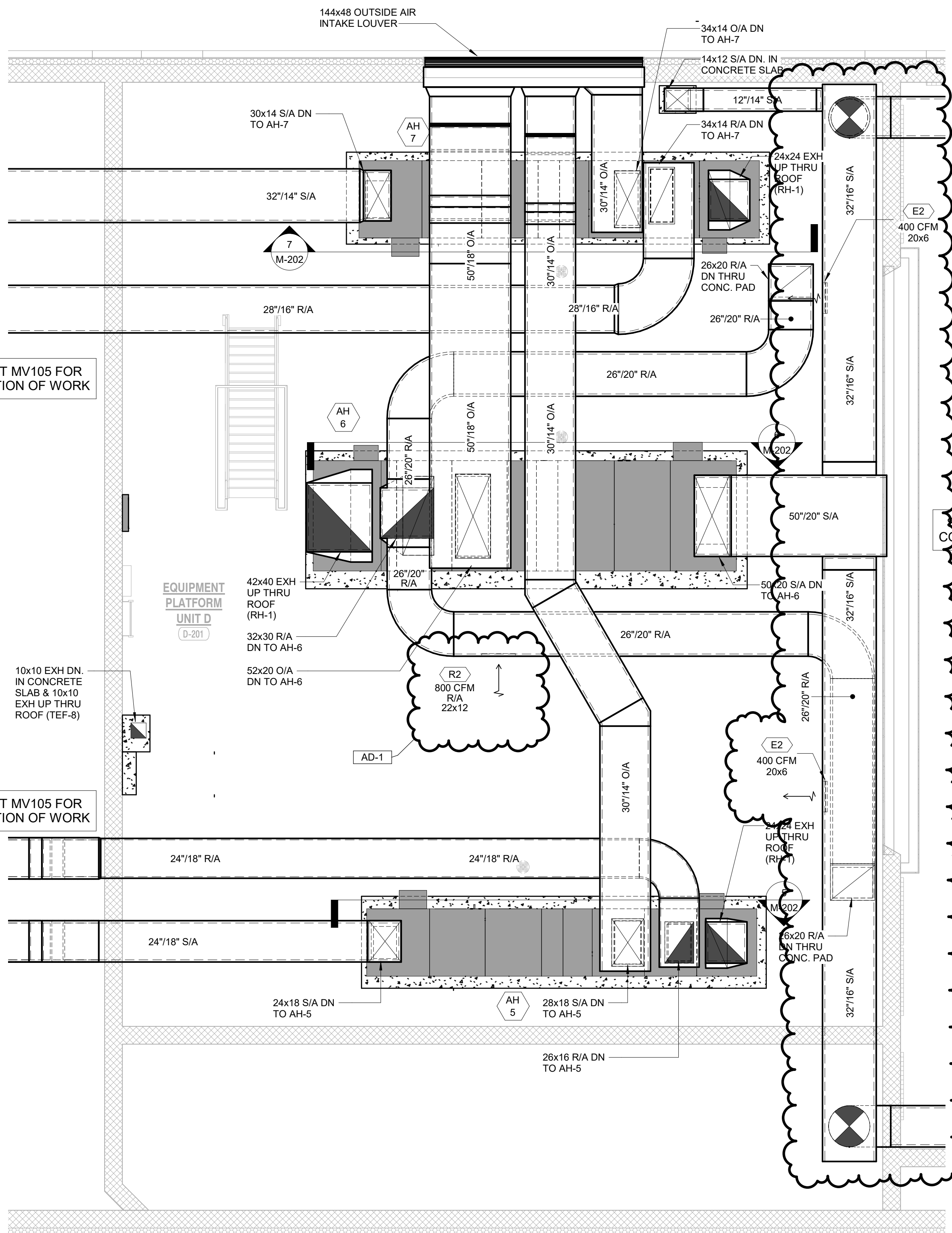
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B&D

SHEET
MV106



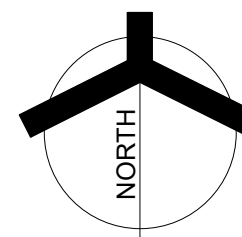
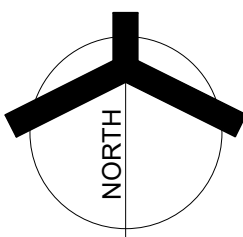
UNIT "B" MECHANICAL VENTILATION MECHANICAL MEZZANINE PLAN

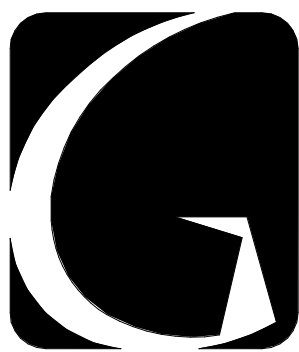
MV106 1/4" = 1'-0"



UNIT "D" MECHANICAL VENTILATION MECHANICAL MEZZANINE PLAN

MV106 1/4" = 1'-0"





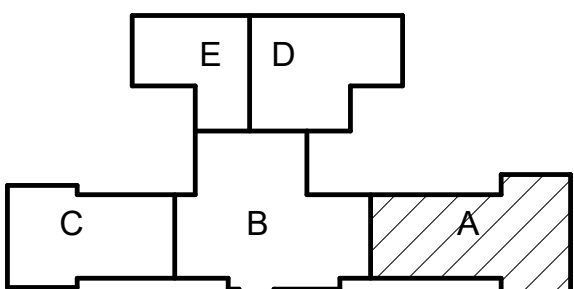
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UNIT "A" MECHANICAL PIPING
FIRST FLOOR PLAN

PROJECT

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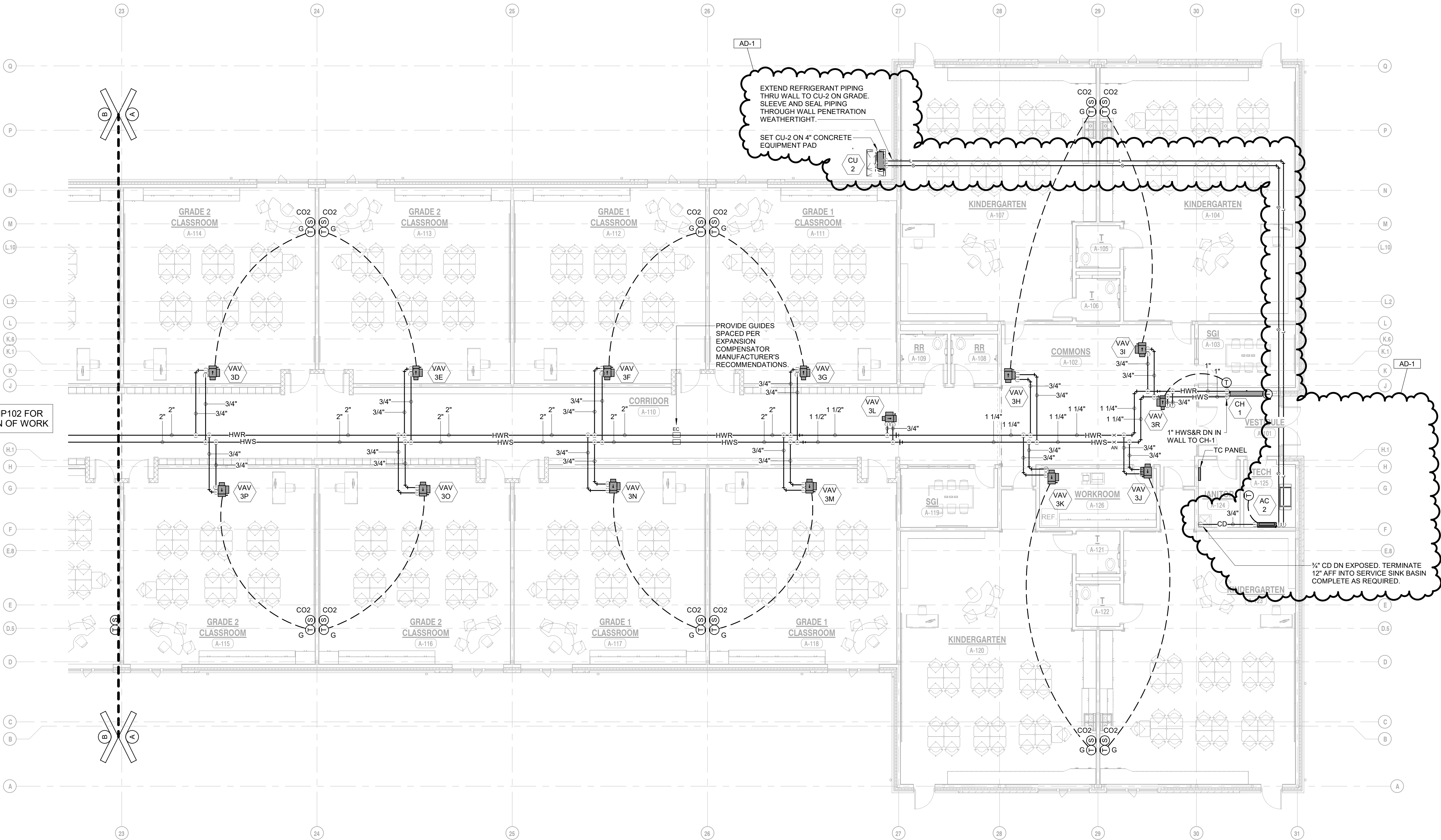
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MP101

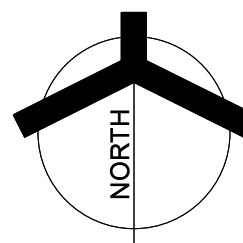
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MP101

UNIT "A" MECHANICAL PIPING FIRST FLOOR PLAN

1/8" = 1'-0"





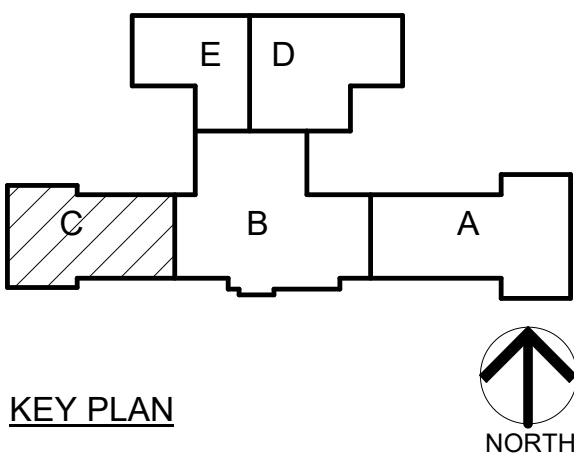
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UNIT "C" MECHANICAL PIPING
FIRST FLOOR PLAN

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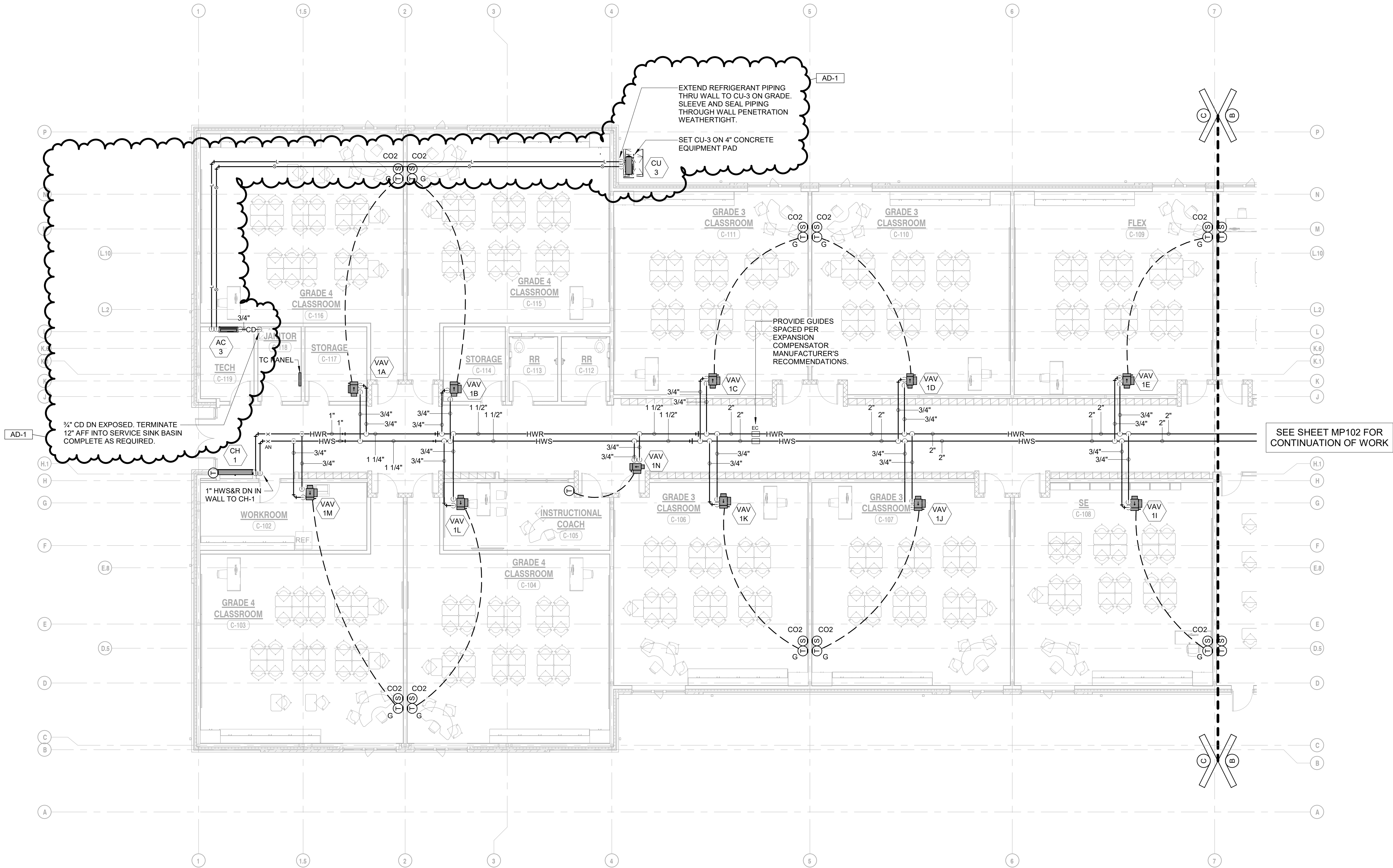
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SHEET

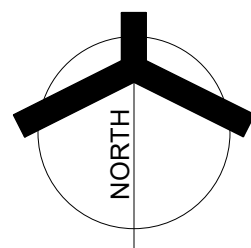
MP103

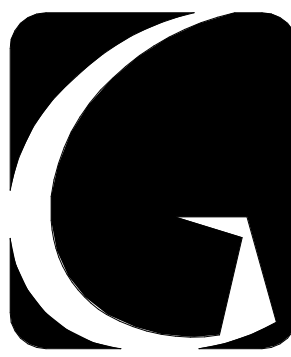


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MP103

UNIT "C" MECHANICAL PIPING FIRST FLOOR PLAN

1/8" = 1'-0"





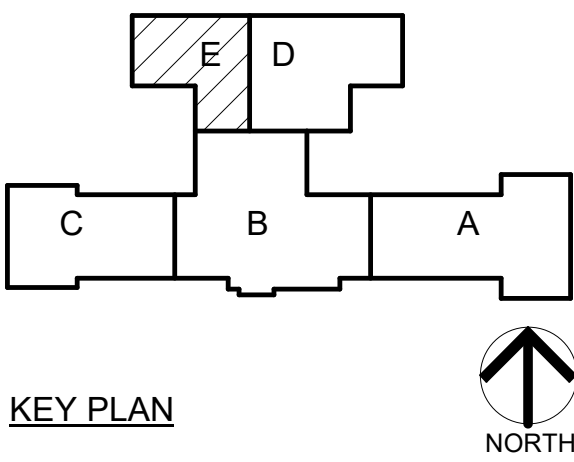
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PROJECT
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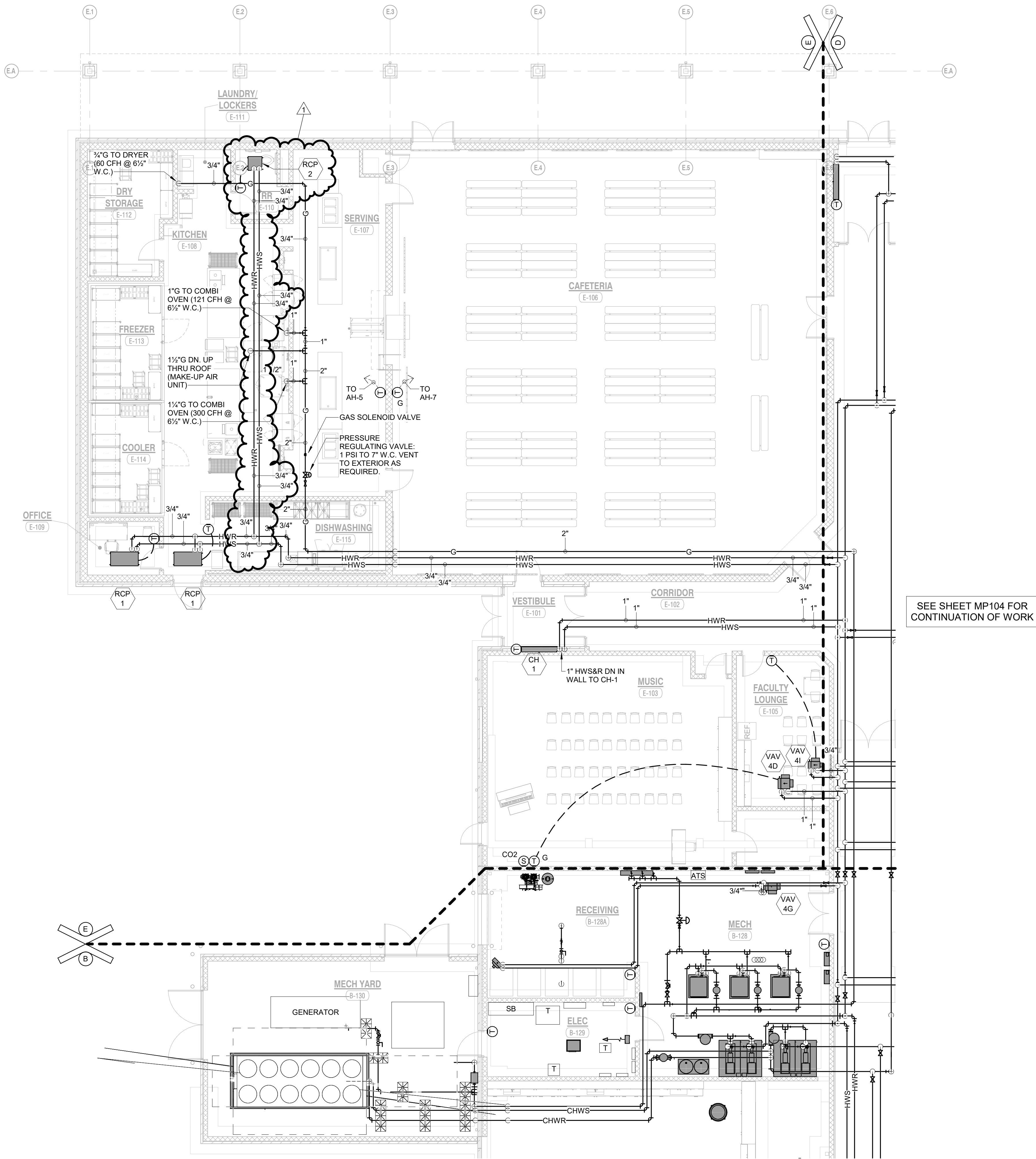
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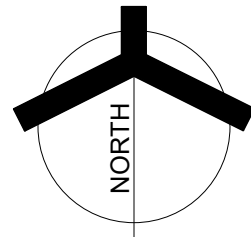
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**UNIT "E" MECHANICAL PIPING
FIRST FLOOR PLAN**

PROJECT
NEW YOST ELEMENTARY SCHOOL

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DESIGN
E
SHEET
MP105



1 UNIT "E" MECHANICAL PIPING FIRST FLOOR PLAN
MP105 1/8" = 1'-0"



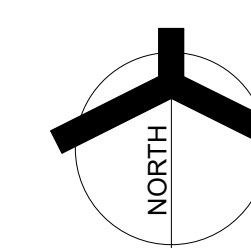
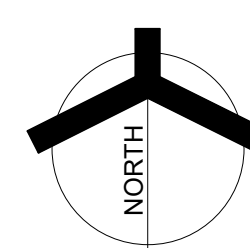
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DRAWING
UNIT "B" & UNIT "D"
MECHANICAL PIPING
MEZZANINE PLANS

| | |
|-----------------------|--------------|
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| B&D | MP106 |





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DRAWING
UNIT "B" MECHANICAL HVAC
ROOF PLAN

PROJECT
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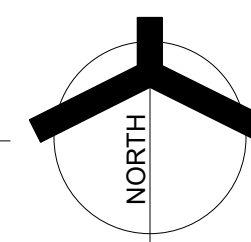
SHEET

B

M-302



UNIT "B" MECHANICAL HVAC ROOF PLAN

$$2) \quad 1/8'' = 1'-0''$$


MECHANICAL EQUIPMENT SCHEDULE

AD-1

- | | | |
|---|--|---|
| <p>1. PROVIDE WITH:</p> <ul style="list-style-type: none"> • DISCONNECT SWITCH • SOUND ATTENUATION KIT • NEOPRENE PADS <p>SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.</p> <p>2. PROVIDE WITH:</p> <ul style="list-style-type: none"> • PROVIDE WITH COMBUSTION AIR INTAKE DAMPER • NEUTRALIZATION BRATION FOR CONDENSATE <p>SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS</p> <p>3. SEE SECTIONS FOR MODULAR SECTION REQUIREMENTS. SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS</p> <p>4. PROVIDE WITH</p> <ul style="list-style-type: none"> • DISCONNECT SWITCH • MOTORIZED DAMPER, BIRD SCREEN • ROOF CURBS • ECOT MOTOR WITH POTENTIOMETER SPEED CONTROLLER <p>SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.</p> <p>5. PROVIDE WITH:</p> <ul style="list-style-type: none"> • BUILT-IN BACKDRAFT DAMPER • INTEGRAL METAL GRILLE • VIBRATION ISOLATION HANGERS <p>SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.</p> | <p>6. PROVIDE WITH:</p> <ul style="list-style-type: none"> • DISCONNECT SWITCH • INTEGRAL THERMOSTAT <p>SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.</p> <p>7. PROVIDE WITH:</p> <ul style="list-style-type: none"> • DISCONNECT SWITCH • INTEGRAL THERMOSTAT • VIBRATION ISOLATION HANGERS <p>SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.</p> <p>8. PROVIDE WITH:</p> <ul style="list-style-type: none"> • VIBRATION ISOLATION HANGERS <p>SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.</p> <p>9. PROVIDE WITH:</p> <p>WALL-MOUNTED AC UNIT:</p> <ul style="list-style-type: none"> • THERMOSTAT • CONDENSATE PUMP <p>CONDENSING UNIT:</p> <ul style="list-style-type: none"> • LOW AMBIENT CONTROLS FOR 100% COOLING CAPACITY DOWN TO 0°F • WIND BAFFLES • HAIL GUARDS • ROOF EQUIPMENT SUPPORT RAILS. <p>SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.</p> | <p>10. PROVIDE WITH:</p> <p>WALL-MOUNTED AC UNIT:</p> <ul style="list-style-type: none"> • THERMOSTAT • CONDENSATE PUMP <p>CONDENSING UNIT:</p> <ul style="list-style-type: none"> • LOW AMBIENT CONTROLS FOR 100% COOLING CAPACITY DOWN TO 0°F • WIND BAFFLES • HAIL GUARDS • CONCRETE EQUIPMENT PAD <p>SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.</p> <p>11. PROVIDE WITH:</p> <ul style="list-style-type: none"> • MOUNTING HARDWARE • BATT INSULATION <p>SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.</p> |
|---|--|---|

PUMP SCHEDULE

| TAG | MANUFACTURER | MODEL NUMBER | DESCRIPTION | GPM | HEAD (FT.) | PUMP MOTOR DATA | | | | | STARTER: | | SUCTION/ DISCHARGE SIZE | REMARKS |
|-------|----------------|-------------------|-------------------------------------|-----|---------------|-----------------|------|------|-------|----|----------|-----|-------------------------------|---|
| | | | | | | HP | RPM | VOLT | PHASE | HZ | MC. | EC. | | |
| BP-1 | BELL & GOSSETT | SERIES 80, 3x3x7C | HOT WATER BOILER RECIRCULATION PUMP | 142 | 25 | 1 1/2 | 1750 | 480 | 3 | 60 | X | - | 3' / 3' | - |
| BP-2 | BELL & GOSSETT | SERIES 80, 3x3x7C | HOT WATER BOILER RECIRCULATION PUMP | 142 | 25 | 1 1/2 | 1750 | 480 | 3 | 60 | X | - | 3' / 3' | - |
| BP-3 | BELL & GOSSETT | SERIES 80, 3x3x7C | HOT WATER BOILER RECIRCULATION PUMP | 142 | 25 | 1 1/2 | 1750 | 480 | 3 | 60 | X | - | 3' / 3' | - |
| CP-1 | BELL & GOSSETT | SERIES 80, 5x5x7B | CHILLED WATER DISTRIBUTION PUMP | 470 | 40 | 1 1/2 | 1750 | 480 | 3 | 60 | X | - | 5' / 5' | |
| HUP-1 | BELL & GOSSETT | SERIES 1510, 2BD | HOT WATER DISTRIBUTION PUMP | 213 | 70 | 1 1/2 | 1750 | 480 | 3 | 60 | X | - | 2 1/2' / 2' | HOT WATER PRIMARY PUMPS W/VD OPERATING IN PARALLEL, 426 GPM AT 10 FT. HD. WITH DUAL POWER FEEDERS |
| HUP-2 | BELL & GOSSETT | SERIES 1510, 2BD | HOT WATER DISTRIBUTION PUMP | 213 | 70 | 1 1/2 | 1750 | 480 | 3 | 60 | X | - | 2 1/2' / 2' | |
| CUP-1 | BELL & GOSSETT | SERIES 1510, 2BD | CHILLED WATER DISTRIBUTION PUMP | 239 | 60 | 1 1/2 | 1750 | 480 | 3 | 60 | X | - | 2 1/2' / 2' | CHILLED WATER PRIMARY PUMPS W/VD OPERATING IN PARALLEL, 418 GPM AT 60 FT. HD. WITH DUAL POWER FEEDERS |
| CUP-2 | BELL & GOSSETT | SERIES 1510, 2BD | CHILLED WATER DISTRIBUTION PUMP | 239 | 60 | 1 1/2 | 1750 | 480 | 3 | 60 | X | - | 2 1/2' / 2' | |

RELIEF HOOD SCHEDULE

| TAG | MANUFACTURER | MODEL # | THROAT SIZE | DESCRIPTION | HOOD LOCATION | REMARKS |
|------|--------------|---------|-------------|-------------------------|---------------------|--|
| RH-1 | ACME | LV | SEE PLAN | EXHAUST/RELIEF AIR HOOD | ROOF OF MECH. MEZZ. | PROVIDE W/ BIRDSCREEN, AND 18' HIGH ROOF CURB. |



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DRAWING

NEW YORK ELEMENTARY SCHOOL

DESIGN SHEET
M E C

MI-50

SHEET NOTES

1

1-1/2" SANITARY UP TO LAVATORY

2

4" SANITARY UP TO WATER SINK

3

4" SANITARY UP TO FLOOR DRAIN

4

1-1/2" SANITARY UP TO ELECTRIC WATER COOLER

5

1-1/2" SANITARY UP TO WASH FOUNTAIN

6

2" SANITARY UP TO URINAL

7

2" SANITARY UP TO SINK

8

4" SANITARY UP TO MOP BASIN

9

2" VENT UP

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The diagram is a detailed plumbing underfloor plan for Unit 'C'. It shows a layout of rooms including Grade 4 Classrooms (C-116, C-115, C-103, C-104), Grade 3 Classrooms (C-111, C-110, C-106, C-107), a Flex room (C-109), a Workroom (C-102), an Instructional Coach room (C-105), a Tech room (C-119), a Janitor room (C-118), Storage rooms (C-114, C-113), and a Corridor (C-101). The plan includes various plumbing fixtures such as sinks, toilets, urinals, and floor drains, along with piping and vent lines. A callout 'AD-1' points to a specific area in the corridor. A note indicates '4" SANITARY SHALL BE CAPPED FOR FUTURE ADDITION. INVERT. ELEV. : 24" BFG'. A dashed line on the right side indicates a continuation of work, with a reference to 'SEE SHEET P-102 FOR CONTINUATION OF WORK'. The plan is oriented with North at the top.

The key plan shows the overall footprint of the building, divided into sections A, B, C, D, and E. Unit 'C' is highlighted in the bottom left corner. A north arrow points towards the top right of the page.

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DATE
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JC
DRAWN BY
MDG
CHECKED BY
DJ

PROFESSIONAL ENGINEER

STATE OF INDIANA

NO. 10302590

DAVID S. JAIN

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DRAWING
**UNIT "C" PLUMBING
UNDERFLOOR PLAN**

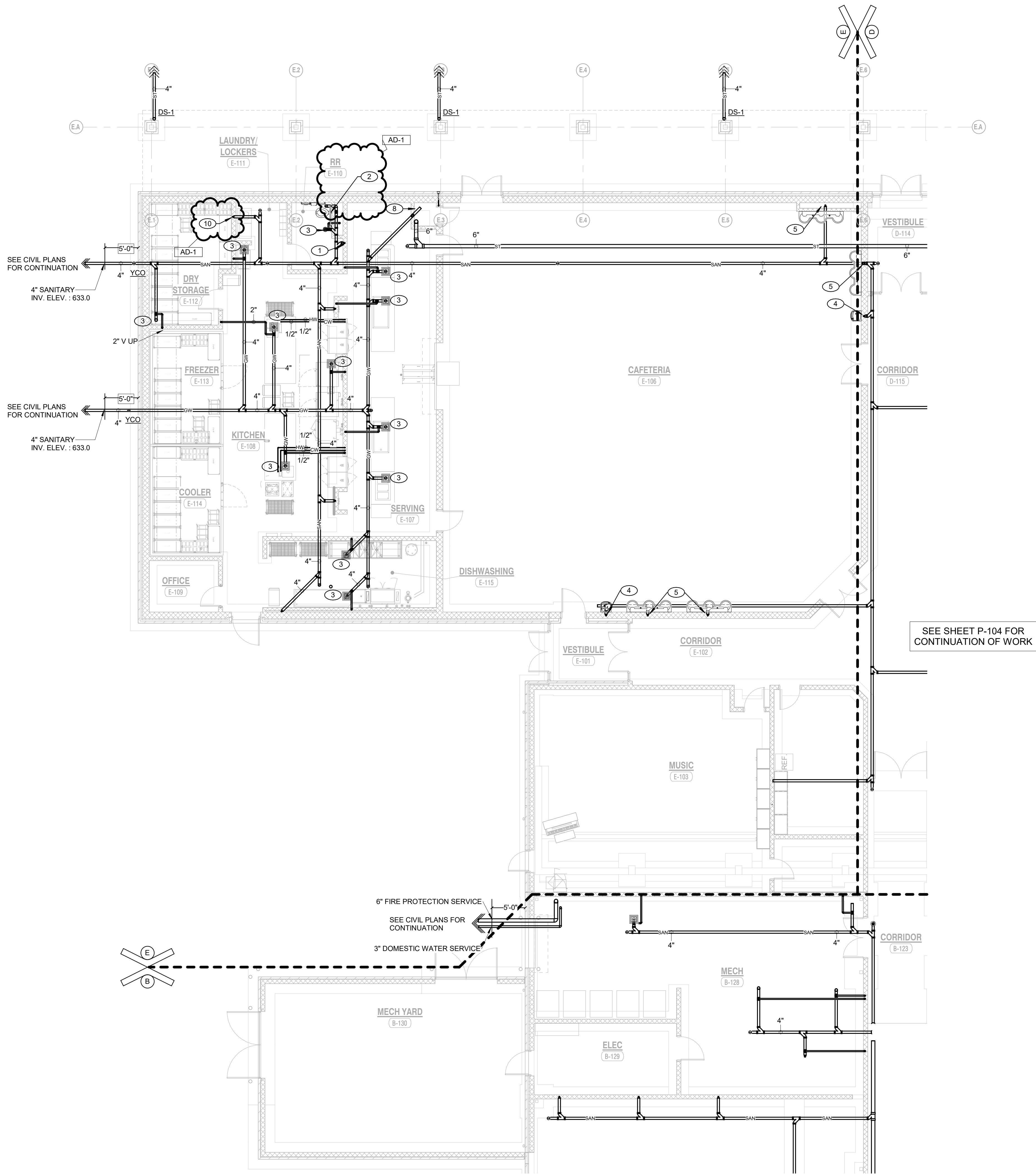
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C

SHEET
P-103

1
P-103 **UNIT "C" PLUMBING UNDERFLOOR PLAN**
1/8" = 1'-0"

4/13/2022 11:14:40 AM
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| SHEET NOTES | |
|-------------|---|
| 1 | 1-1/2" SANITARY UP TO LAVATORY |
| 2 | 4" SANITARY UP TO WATER SINK |
| 3 | 4" SANITARY UP TO FLOOR DRAIN |
| 4 | 1-1/2" SANITARY UP TO ELECTRIC WATER COOLER |
| 5 | 1-1/2" SANITARY UP TO WASH FOUNTAIN |
| 6 | 2" SANITARY UP TO URINAL |
| 7 | 2" SANITARY UP TO SINK |
| 8 | 4" SANITARY UP TO MOP BASIN |
| 9 | 2" VENT UP |
| 10 | 4" SANITAY UP TO PLUMBERS BOX |



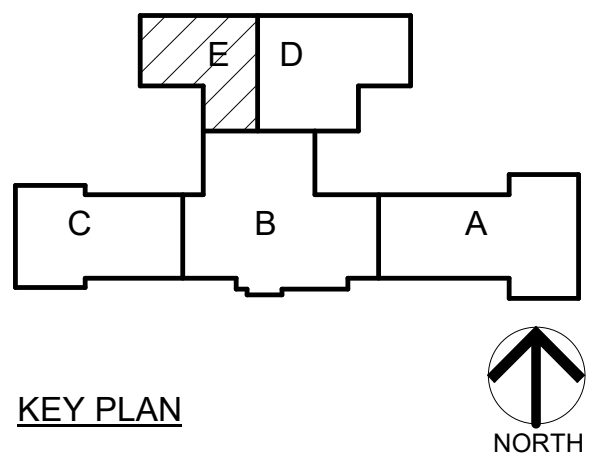
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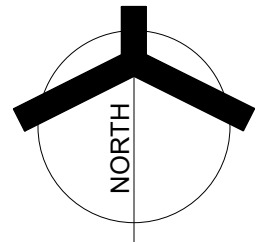
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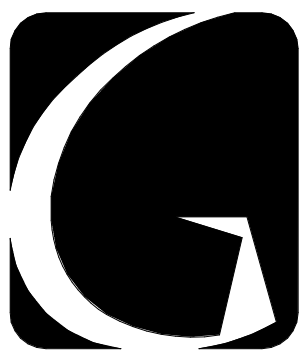
DRAWING
**UNIT "E" PLUMBING
UNDERFLOOR PLAN**

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| | |
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1 UNIT "E" PLUMBING UNDERFLOOR PLAN
P-105 1/8" = 1'-0"





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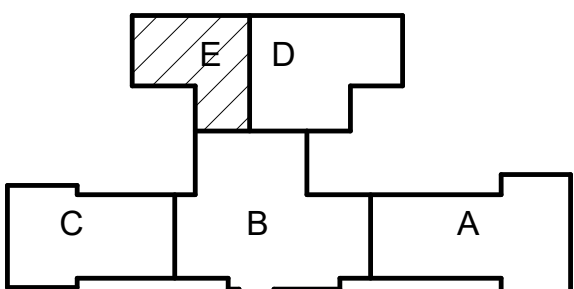
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DRAWING
UNIT "E" PLUMBING FIRST
FLOOR PLAN

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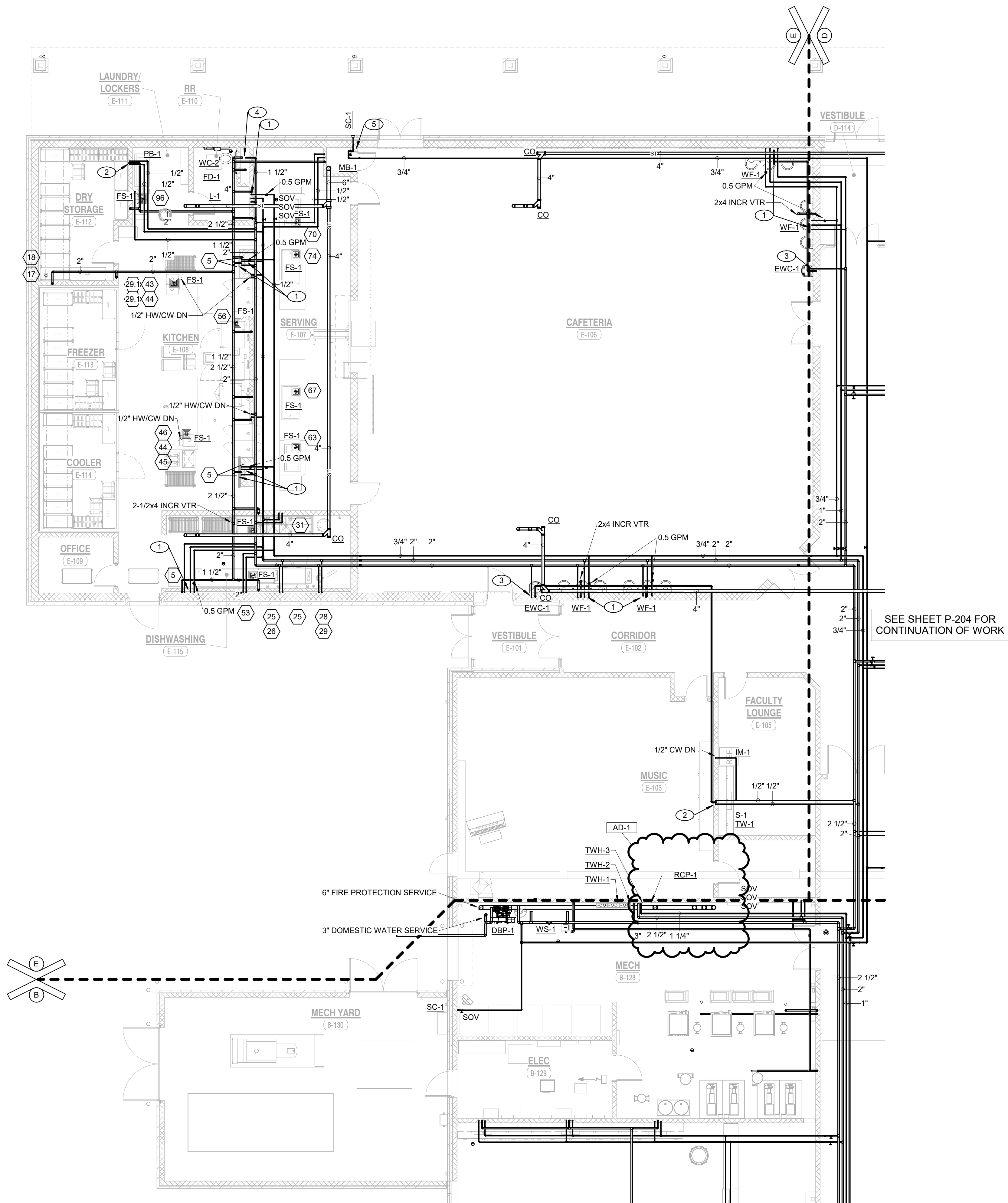
SHEET

E

P-205

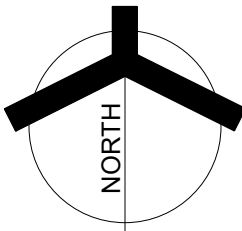
SHEET NOTES

- 1 1/2" HW/CW DN
1-1/2" V DN
1-1/2" SAN DN
- 2 1/2" HW/CW DN
1-1/2" V DN
2" SAN DN
- 3 1/2" CW DN
1-1/2" V DN
1-1/2" SAN DN
- 4 1-1/2" CW DN
2" V DN
4" SAN DN
- 5 3/4" CW DN
- 6 1/2" HW/CW DN
2" V DN

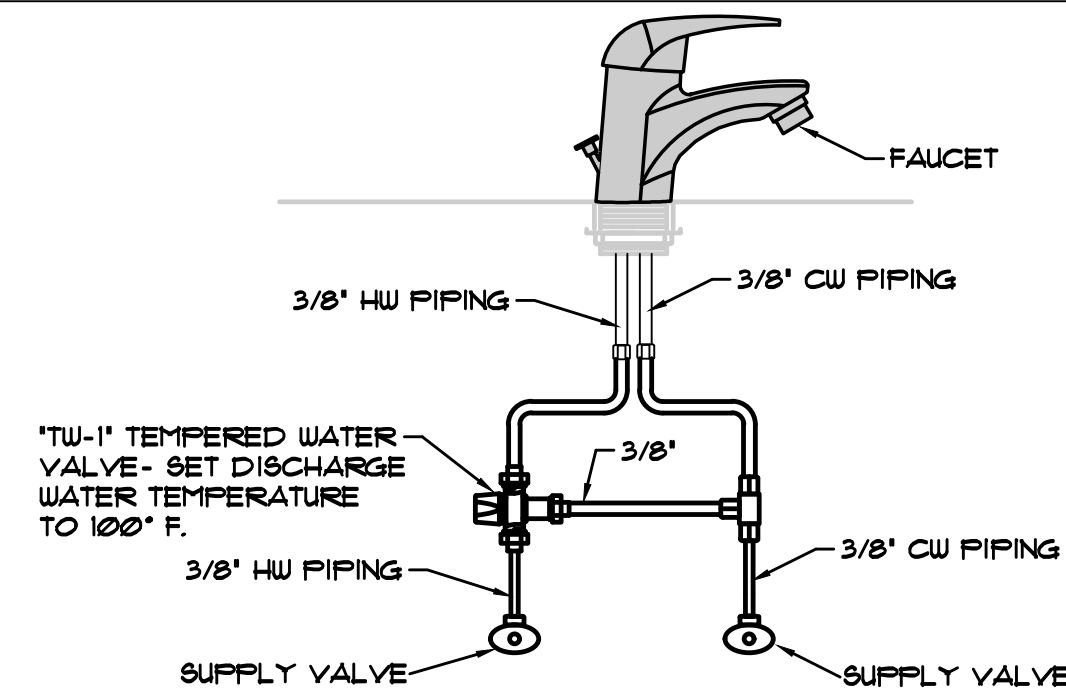


UNIT "E" PLUMBING FIRST FLOOR PLAN

1
P-205
1/8" = 1'-0"

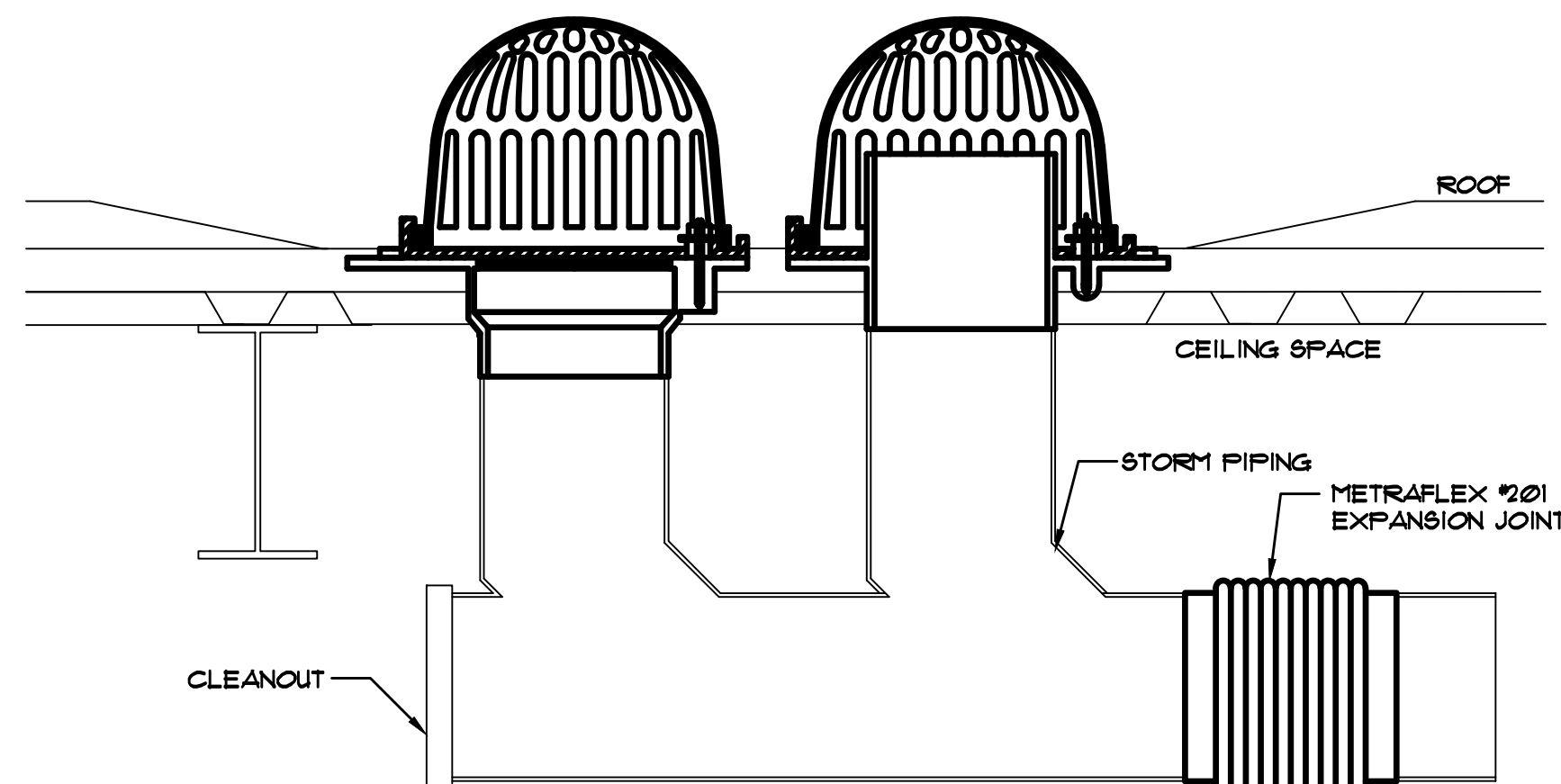


TEMPERED WATER VALVE DIAGRAM



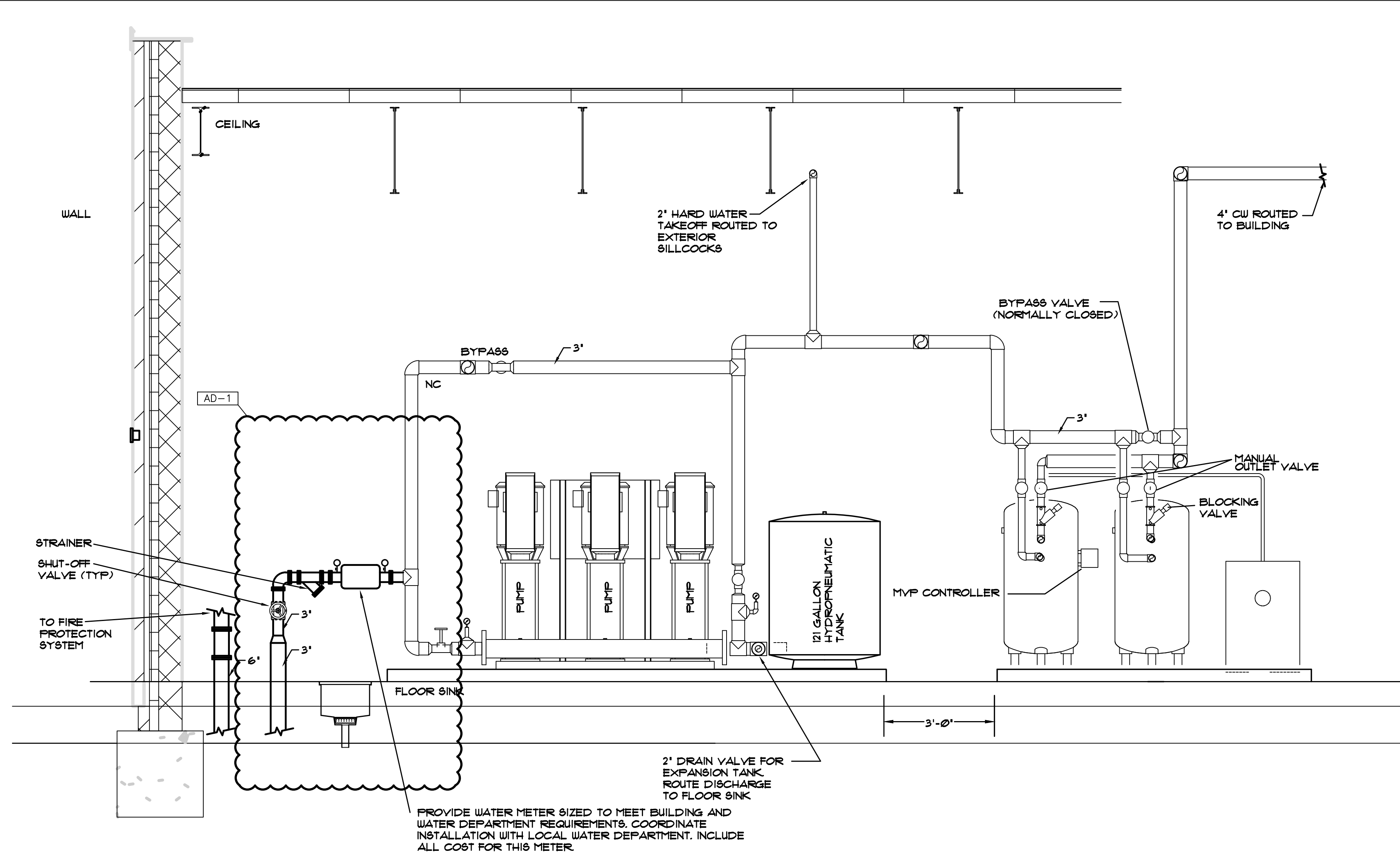
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ROOF AND OVERFLOW DRAIN DETAIL



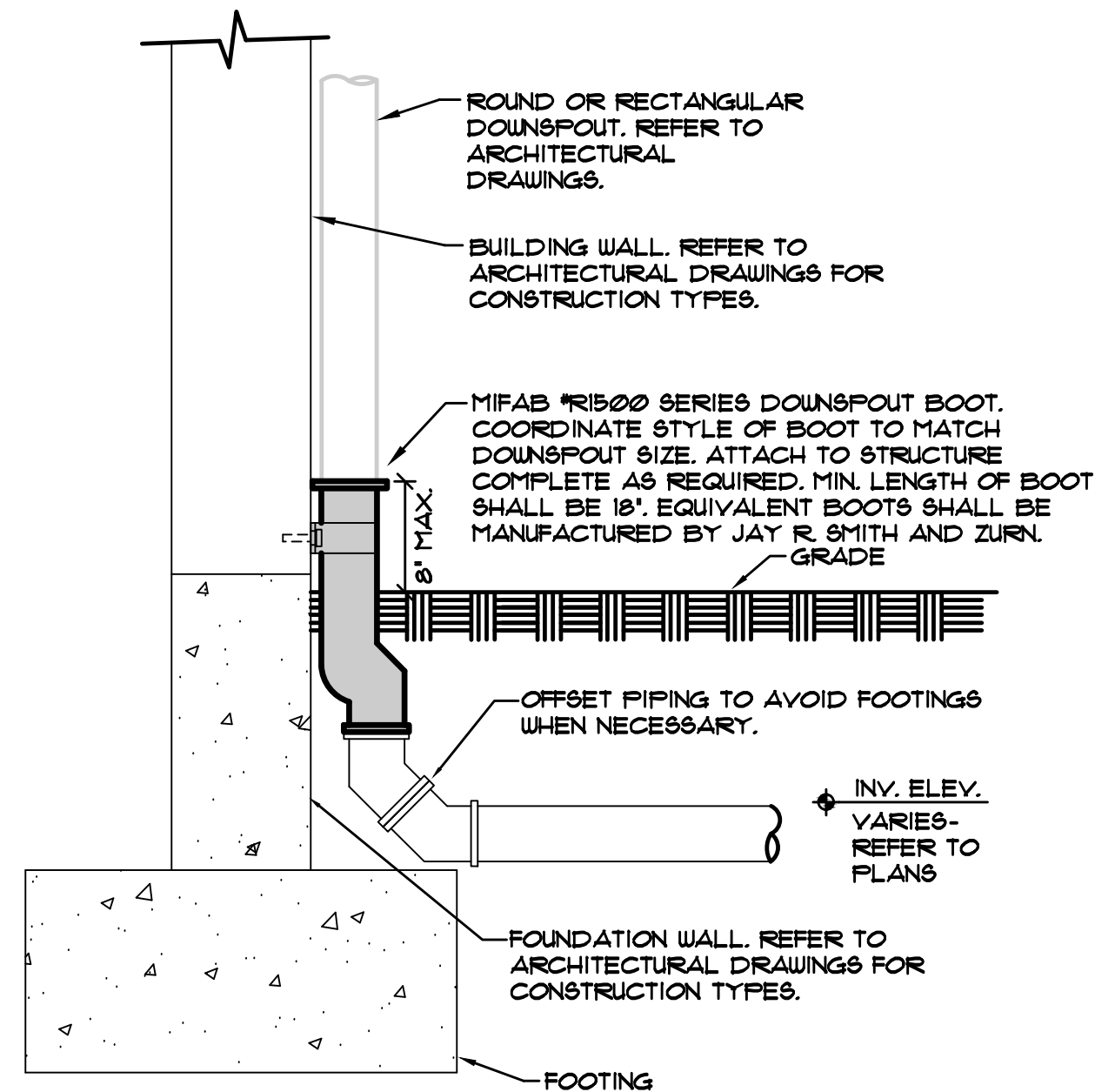
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INCOMING DOMESTIC WATER SERVICE DIAGRAM



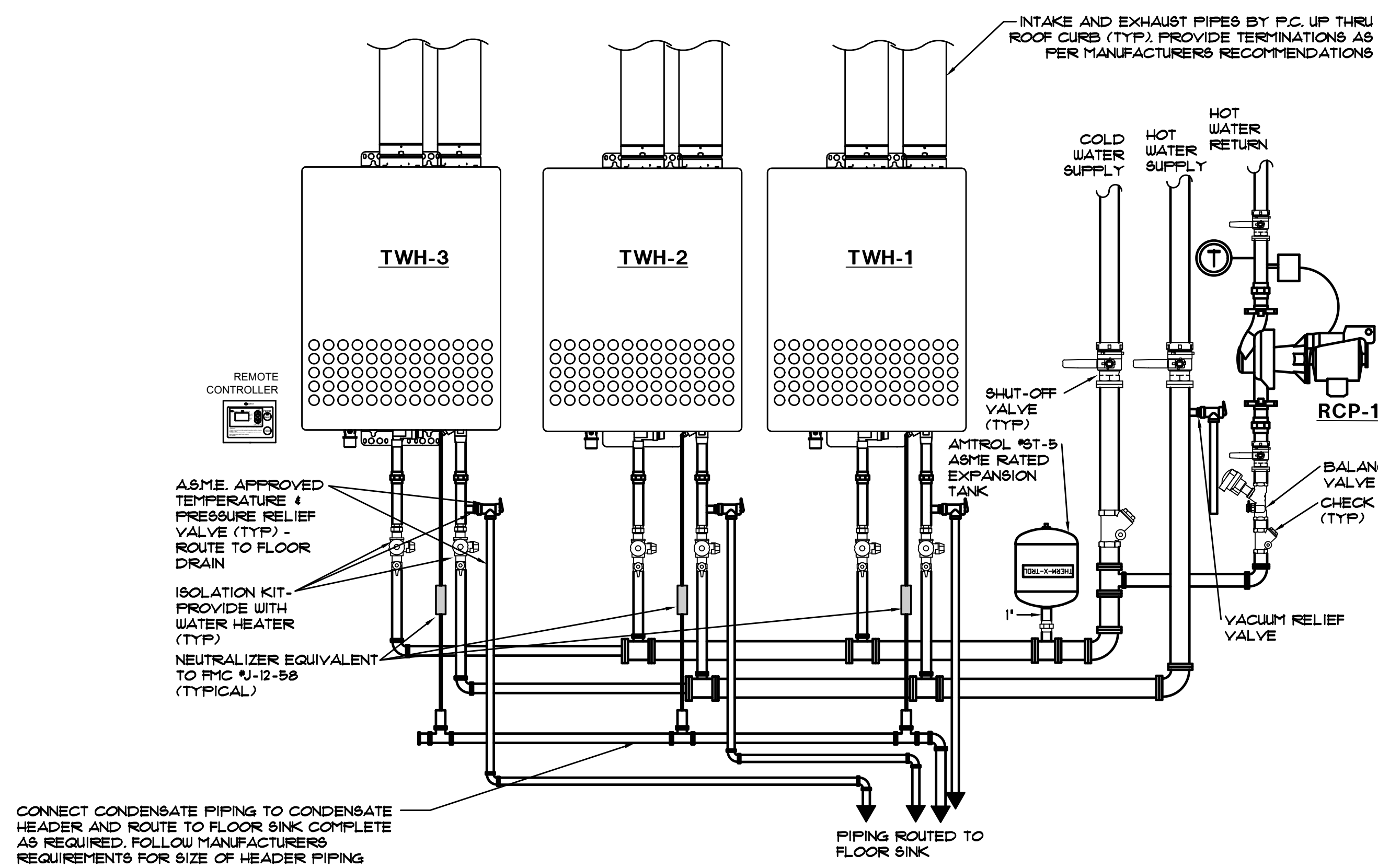
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DOWNSPOUT STORM CONNECTION DETAIL



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TANKLESS WATER HEATER DIAGRAM



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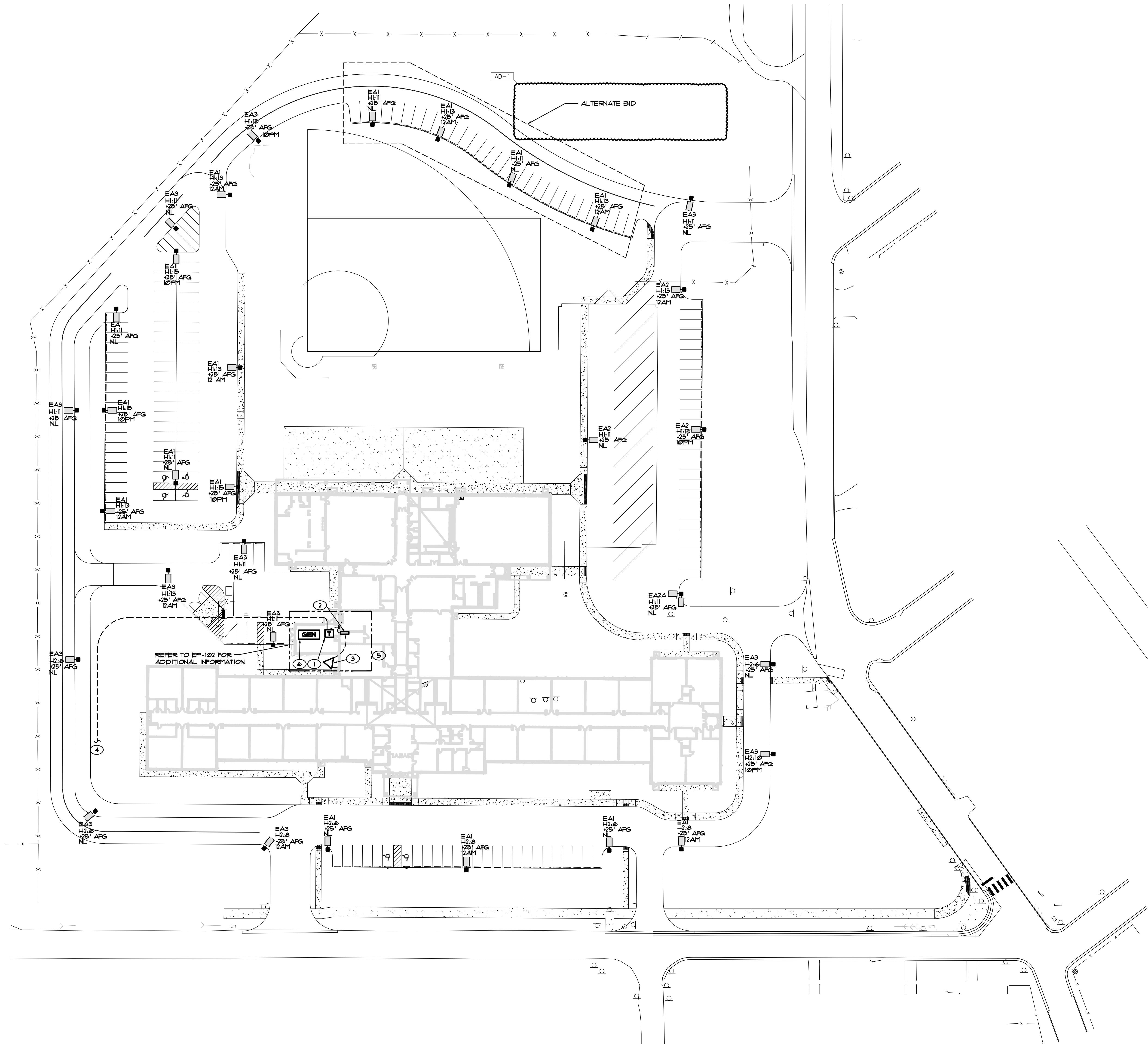
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DESIGN

SHEET

P-601

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GENERAL NOTES

1. ALL CONDUIT BEYOND THE DISTURBED FIELD AREA AND BELOW EXISTING PAVEMENT TO REMAIN SHALL BE DIRECTIONAL BORED.
2. EXACT ROUTING OF THE SECONDARY FEEDERS FROM THE TRANSFORMER TO THE SWITCHBOARD SHALL BE VERIFIED WITH AHI FOR ACCEPTABILITY PRIOR TO INSTALLATION.
3. VERIFY EXACT LOCATION OF THE METER AND CT CABINET WITH THE UTILITY COMPANY.
4. SITE LIGHTING CONDUCTORS SHALL BE #8 AWG MINIMUM, AND SIZED TO MEET N.E.C. VOLTAGE DROP REQUIREMENTS.
5. UNLESS OTHERWISE NOTED, ROUTE LIGHTING TO CIRCUITS INDICATED VIA TIME CLOCK, CONTACTORS AND PHOTOCELL.
6. REFER TO SITE LIGHTING POLE AND FLOOD LIGHT DETAILS FOR ADDITIONAL INFORMATION.
7. CAREFULLY VERIFY BASE SIZE FOR EACH FIXTURE WITH ARCHITECT AND OWNER PRIOR TO INSTALLATION.
8. ELECTRICAL CONTRACTOR SHALL CAREFULLY COORDINATE EXACT LAYOUT OF TRANSFORMER, METERING EQUIPMENT AND GENERATOR IN OUTDOOR YARD WITH ARCHITECT AND MECHANICAL CONTRACTOR NO LATER THAN 14 DAYS AFTER CONTRACT AWARD AND PRIOR TO ORDERING OF ANY EQUIPMENT.
9. REFER TO TECHNOLOGY DRAWINGS FOR TECHNOLOGY SITE WORK AND PROVIDE RACEWAY AND HAND-HOLE ROUGH-INS AS INDICATED.
10. ALL SITE PLAN LIGHTING PREFIXED H2 TO BE CIRCUITED TO PANEL 'H2'.
11. ALL SITE PLAN LIGHTING PREFIXED H1 TO BE CIRCUITED TO PANEL 'H1'.

SHEET NOTES

1. UTILITY COMPANY PAD MOUNTED SERVICE TRANSFORMER FURNISH AND INSTALL TRANSFORMER PAD PER UTILITY COMPANY STANDARDS AND SPECIFICATIONS, INCLUDING GROUNDING, PAD SIZE, ETC.
2. APPROXIMATE LOCATION OF MAIN SWITCH BOARD (MSUB), CT SECTION AND METER.
3. SECONDARY FEEDERS ROUTED FROM THE MSUB TO THE UTILITY TRANSFORMER. REFER TO THE TRENCH DETAIL AND THE RISER DIAGRAM FOR ADDITIONAL INFORMATION.
4. PROVIDE TWO (2) 4" PVC CONDUITS TO PROPERTY LINE FOR UTILITY COMPANY PRIMARY SERVICE ENTRANCE CABLE. VERIFY LOCATION IN FIELD WITH UTILITY COMPANY PRIOR TO ROUGH-IN. CAREFULLY LOCATE ALL UNDERGROUND UTILITIES AND COORDINATE WORK TO AVOID ANY CONFLICTS. PROVIDE PULL BOXES AT LOCATIONS INDICATED BY THE UTILITY COMPANY. PULL BOX SHALL MATCH THE UTILITY COMPANY STANDARDS.
5. GROUND TRIAD. VERIFY EXACT LOCATION IN FIELD.
6. APPROXIMATE LOCATION OF EMERGENCY GENERATOR.



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PROJECT:

**NEW YOST
ELEMENTARY
SCHOOL**

DUNELAND SCHOOL
CORPORATION
100 W BEAM ST
PORTER, IN 46304

GIBRALTAR DESIGN

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Indianapolis, IN 46260
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PROJECT

21-134

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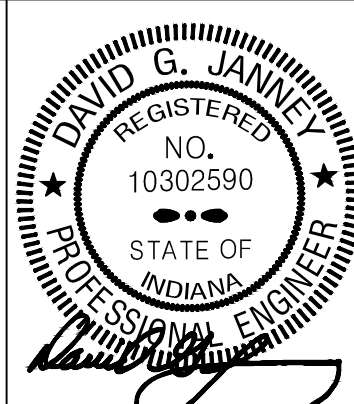
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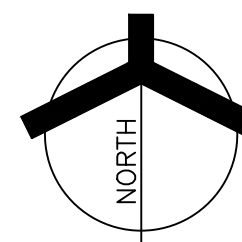
DRAWING
ELECTRICAL SITE PLAN

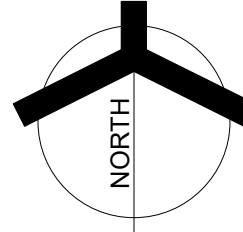
PROJECT
NEW YOST ELEMENTARY SCHOOL

SHEET

E-002

ELECTRICAL SITE PLAN
SCALE: 1" = 40'-0"





NEW YOST
ELEMENTARY
SCHOOL

GENERAL NOTES

1. CIRCUIT ALL NORMAL LIGHTING FIXTURES TO PANEL H1 UNLESS OTHERWISE NOTED.
2. SHADED FIXTURES, FIXTURES WITH "EM-H" TAGS AND EXIT SIGNS SHALL BE PROVIDED WITH AN EMERGENCY LIFE SAFETY POWER SOURCE.
3. EXIT SIGNS SHALL BE CONNECTED TO CIRCUIT INDICATED IN EMERGENCY LIFE SAFETY PANEL EM-H.
4. FIXTURES WITH A "N1" TAG SHALL BE CONNECTED TO THE NORMAL LIGHT CIRCUIT INDICATED IN EMERGENCY LIFE SAFETY PANEL EM-H.
5. CIRCUIT TAGS WITH AN "EH" PREFIX SHOWN WITH A SWITCH LEG SHALL BE A SWITCHED EMERGENCY FIXTURE CONNECTED TO PANEL EM-H. THE FIXTURE SHALL BE PROVIDED WITH A UL LISTED PASS DEVICE TO ALLOW THE FIXTURE TO BE CONTROLLED ALONG WITH THE NORMAL FIXTURES IN THE ROOM. UPON LOSS OF POWER, THE FIXTURE SHALL BE IMMEDIATELY POWERED TO 100% REGARDLESS OF SWITCH POSITION.
6. CIRCUIT ALL NORMAL EXTERIOR LIGHTING FIXTURES TO PANEL EM-H VIA TIMECLOCK, PHOTOCELL AND CONTACTORS.
7. EXTERIOR LIGHTING FIXTURES WITH AN "EH" PREFIX SHOWN SHALL BE ROUTED TO LIFE SAFETY PANEL EM-H VIA TIMECLOCK, CONTACTORS, PHOTOCELL AND UL904 BYPASS DEVICES AS REQUIRED TO ALLOW FIXTURE TO OPERATE AND SWITCH ALONG WITH ADJACENT NORMAL LIGHTING. UPON LOSS OF POWER THE FIXTURE SHALL BE IMMEDIATELY POWERED TO 100% REGARDLESS OF SWITCH POSITION.
8. EMERGENCY SENSING LEADS SHALL BE CONNECTED TO CONSTANT HOT FEEDS FROM NORMAL LIGHTING IN ROOMS. THIS FEED SHALL BE USED TO TRIP ALL EMERGENCY SHUTDOWNS, RELAYS, CONTACTORS OR SWITCHES.
9. REFER TO ARCHITECTURAL REFLECTED CEILING PLAN FOR EXACT LOCATION OF ALL CEILING MOUNTED LIGHT FIXTURES.
10. ROUTE CONDUITS AS TIGHT TO THE EXPOSED CEILINGS AND STRUCTURE AS POSSIBLE TO MAXIMIZE CEILING SPACE.



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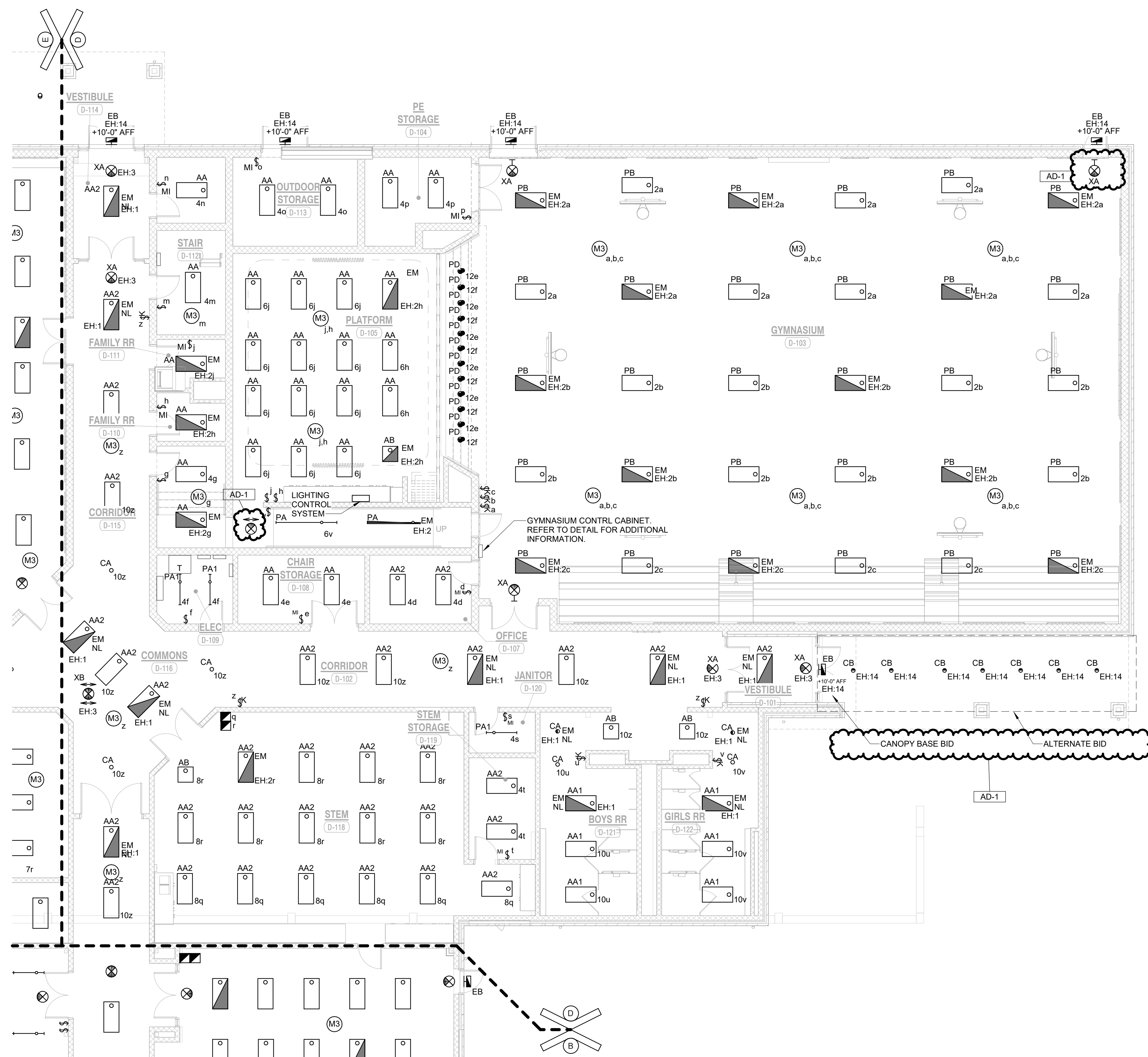
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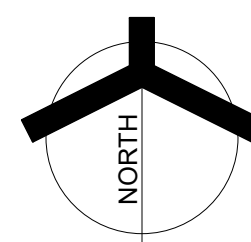
DRAWING
UNIT "D" ELECTRICAL LIGHTING
FIRST FLOOR PLAN

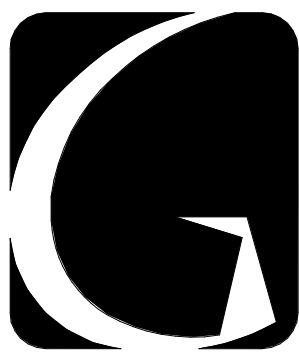
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UNIT "D" ELECTRICAL LIGHTING FIRST FLOOR PLAN





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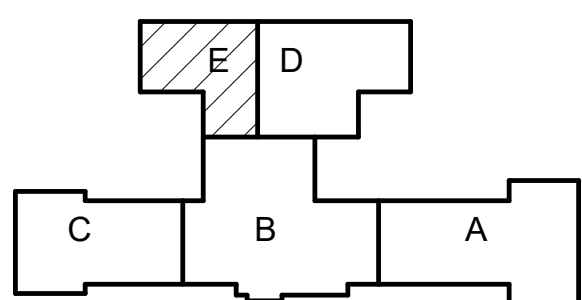
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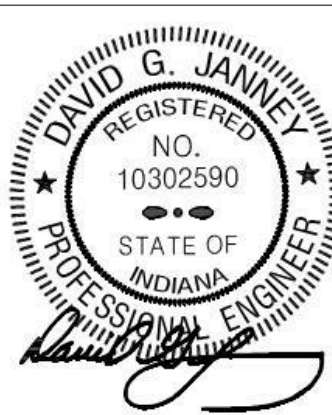
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UNIT "E" ELECTRICAL LIGHTING
FIRST FLOOR PLAN

PROJECT

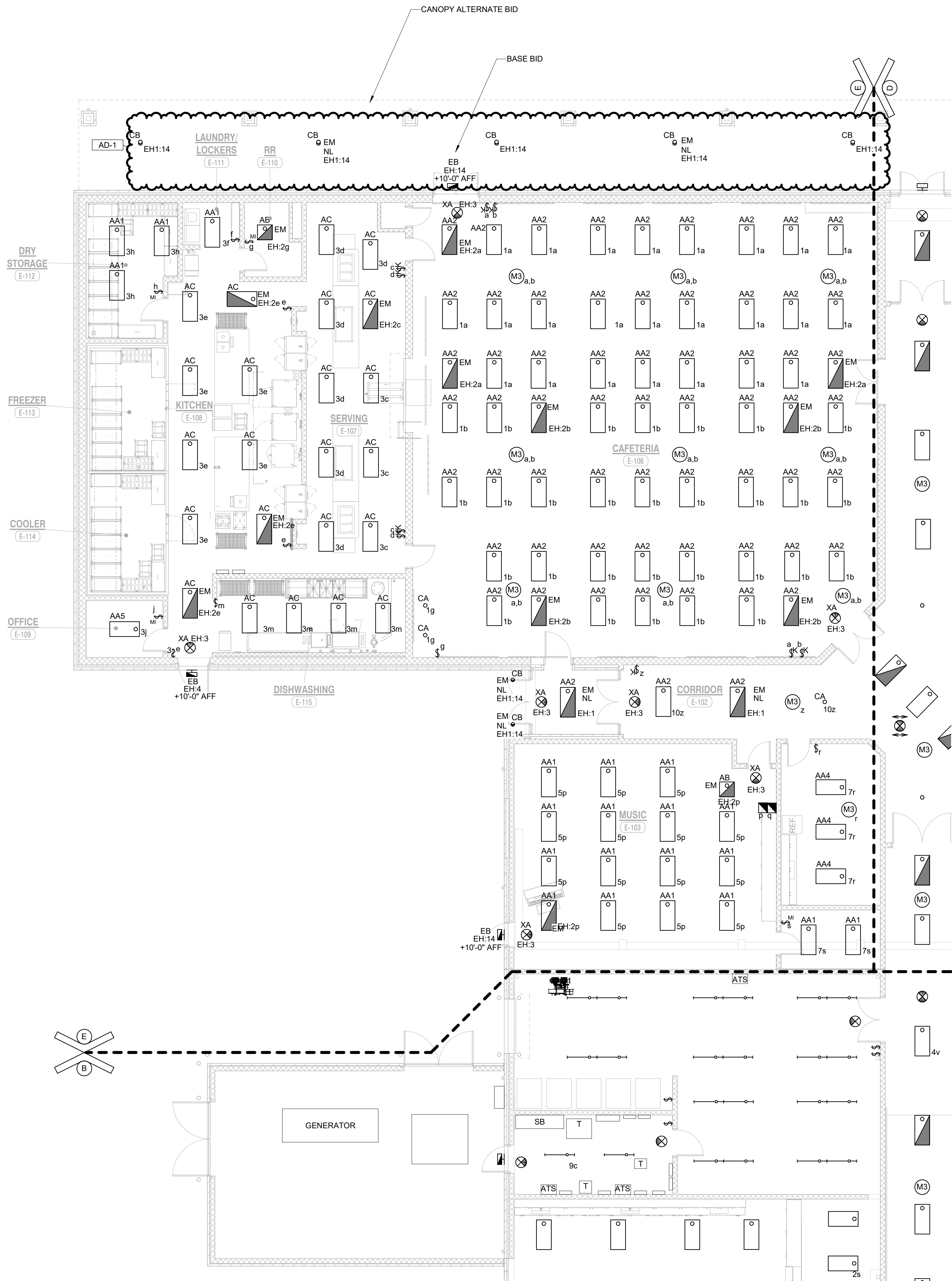
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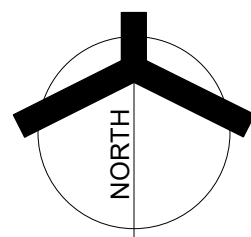
SHEET

E

EL105



UNIT "E" ELECTRICAL LIGHTING FIRST FLOOR PLAN
1
EL105
1/8" = 1'-0"



GENERAL NOTES

1. CIRCUIT ALL NORMAL LIGHTING FIXTURES TO PANEL H1 UNLESS OTHERWISE NOTED.
2. SHADED FIXTURES, FIXTURES WITH 'EM-H' TAGS AND EXIT SIGNS SHALL BE PROVIDED WITH AN EMERGENCY LIFE SAFETY POWER SOURCE.
3. EXIT SIGNS SHALL BE CONNECTED TO CIRCUIT INDICATED IN EMERGENCY LIFE SAFETY PANEL EM-H.
4. FIXTURES WITH A 'NL' TAG SHALL BE CONNECTED TO THE NIGHT LIGHT CIRCUIT INDICATED IN EMERGENCY LIFE SAFETY PANEL EM-H1.
5. CIRCUIT TAGS WITH AN 'EH' PREFIX SHOWN WITH A SWITCH LEG SHALL BE A SWITCHED EMERGENCY FIXTURE CONNECTED TO PANEL EM-H. THE FIXTURE SHALL BE PROVIDED WITH A UL924 RATED BYPASS DEVICE TO ALLOW THE FIXTURE TO BE CONTROLLED ALONG WITH THE NORMAL FIXTURES IN THE ROOM. UPON LOSS OF POWER, THE FIXTURE SHALL BE IMMEDIATELY POWERED TO 100% REGARDLESS OF SWITCH POSITION.
6. CIRCUIT ALL NORMAL EXTERIOR LIGHTING FIXTURES TO PANEL EM-H VIA TIMECLOCK, PHOTOCCELL AND CONTACTORS.
7. EXTERIOR LIGHTING FIXTURES WITH AN 'EH' PREFIX SHOWN SHALL BE ROUTED TO LIFE SAFETY PANEL EM-H VIA TIMECLOCK, CONTACTORS, PHOTOCCELL AND UL924 BYPASS DEVICES AS REQUIRED TO ALLOW FIXTURE TO OPERATE AND SWITCH ALONG WITH ADJACENT NORMAL LIGHTING. UPON LOSS OF POWER, THE FIXTURE SHALL BE IMMEDIATELY POWERED TO 100% REGARDLESS OF SWITCH POSITION.
8. EMERGENCY SENSING LEADS SHALL BE CONNECTED TO CONSTANT HOT FEEDS FROM NORMAL LIGHTING IN ROOM. THIS FEED SHALL BE TAKEN AHEAD OF ANY EMERGENCY SHUTDOWNS, RELAYS, CONTACTORS OR SWITCHES.
9. REFER TO ARCHITECTURAL REFLECTED CEILING PLAN FOR EXACT LOCATION OF ALL CEILING MOUNTED LIGHT FIXTURES.
10. ROUTE CONDUIT AS TIGHT TO THE EXPOSED CEILINGS AND STRUCTURE AS POSSIBLE TO MAXIMIZE CEILING SPACE.



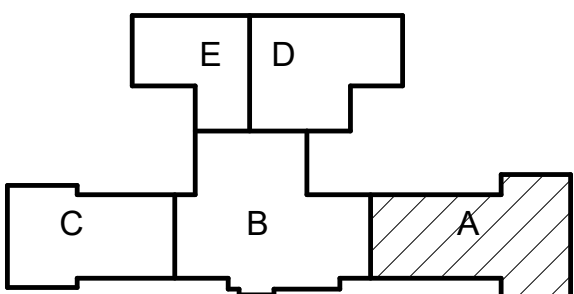
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DRAWING

UNIT "A" ELECTRICAL POWER
FIRST FLOOR PLAN

PROJECT

NEW YOST ELEMENTARY SCHOOL

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SHEET

A

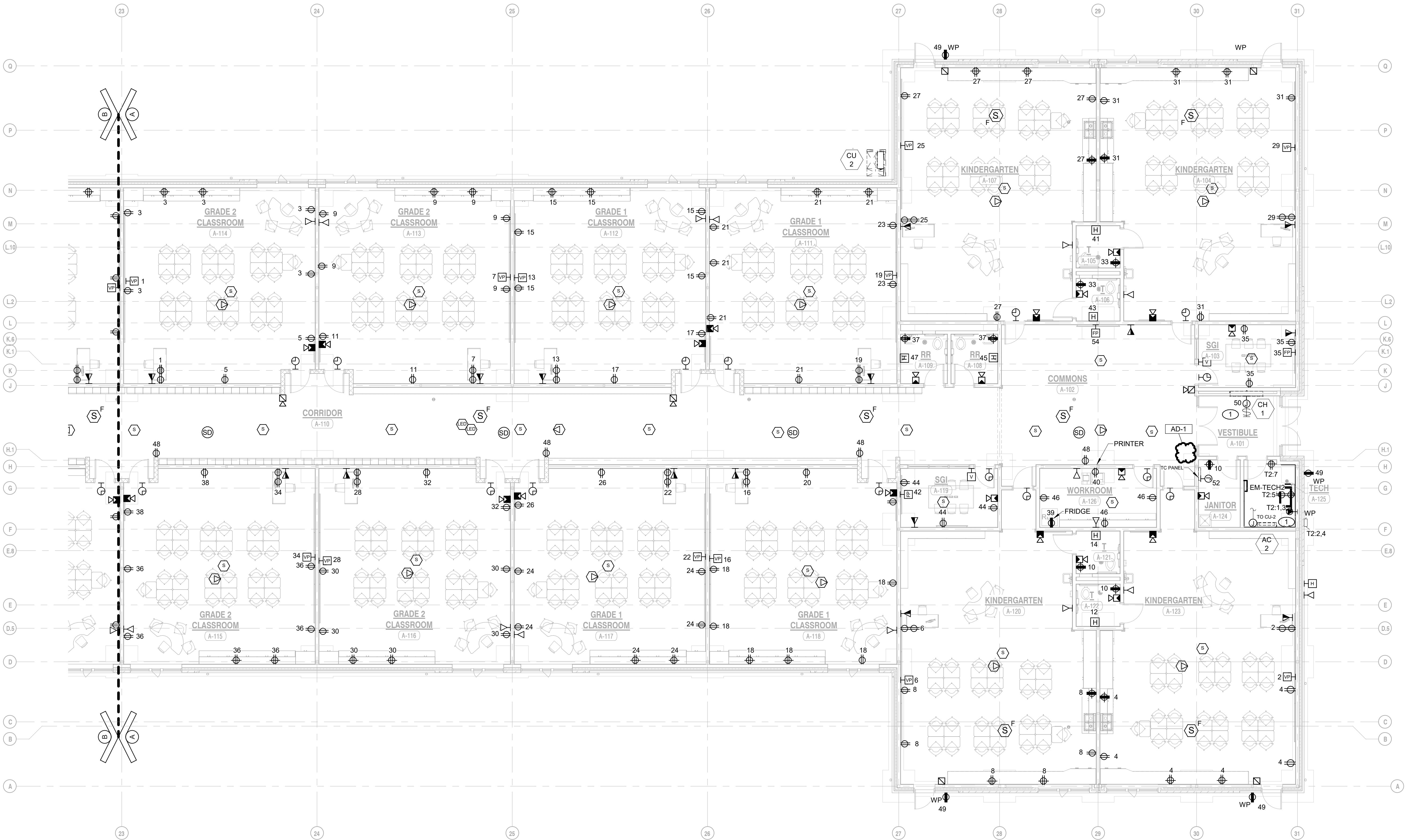
EP101

GENERAL NOTES

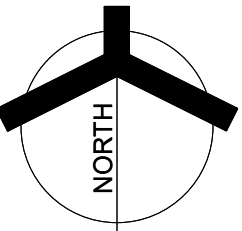
- ALL DEVICES SHALL BE CIRCUITED TO PANEL PP-3 UNLESS OTHERWISE NOTED.
- ALL DEVICES WITH A "EZ" PREFIX SHALL BE CIRCUITED TO PANEL EM-TECH2.
- PROVIDE ALL LABOR AND MATERIAL TO PROVIDE THE NECESSARY ROUGH-INS, RACEWAYS AND ELECTRICAL SERVICES FOR ALL OF THE ACCESS CONTROL, SOUND SYSTEMS, TECHNOLOGY SYSTEMS AND EQUIPMENT. SEE TECHNOLOGY DRAWINGS AND SPECIFICATIONS FOR LOCATIONS OF DEVICES/EQUIPMENT, MOUNTING HEIGHTS AND ELECTRICAL REQUIREMENTS. COORDINATE AND VERIFY EXACT LOCATIONS OF ALL ROUGH-INS AND REQUIREMENTS WITH TECH DYNE, ARCHITECT, OWNER, CONSTRUCTION MANAGER AND DIVISION 27 CONTRACTOR PRIOR TO ROUGHING-IN.

SHEET NOTES

- REFER TO MECHANICAL EQUIPMENT CONNECTION SCHEDULE FOR ADDITIONAL CIRCUITING AND WIRING INFORMATION.



1
EP101 **UNIT "A" ELECTRICAL POWER FIRST FLOOR PLAN**
1/8" = 1'-0"

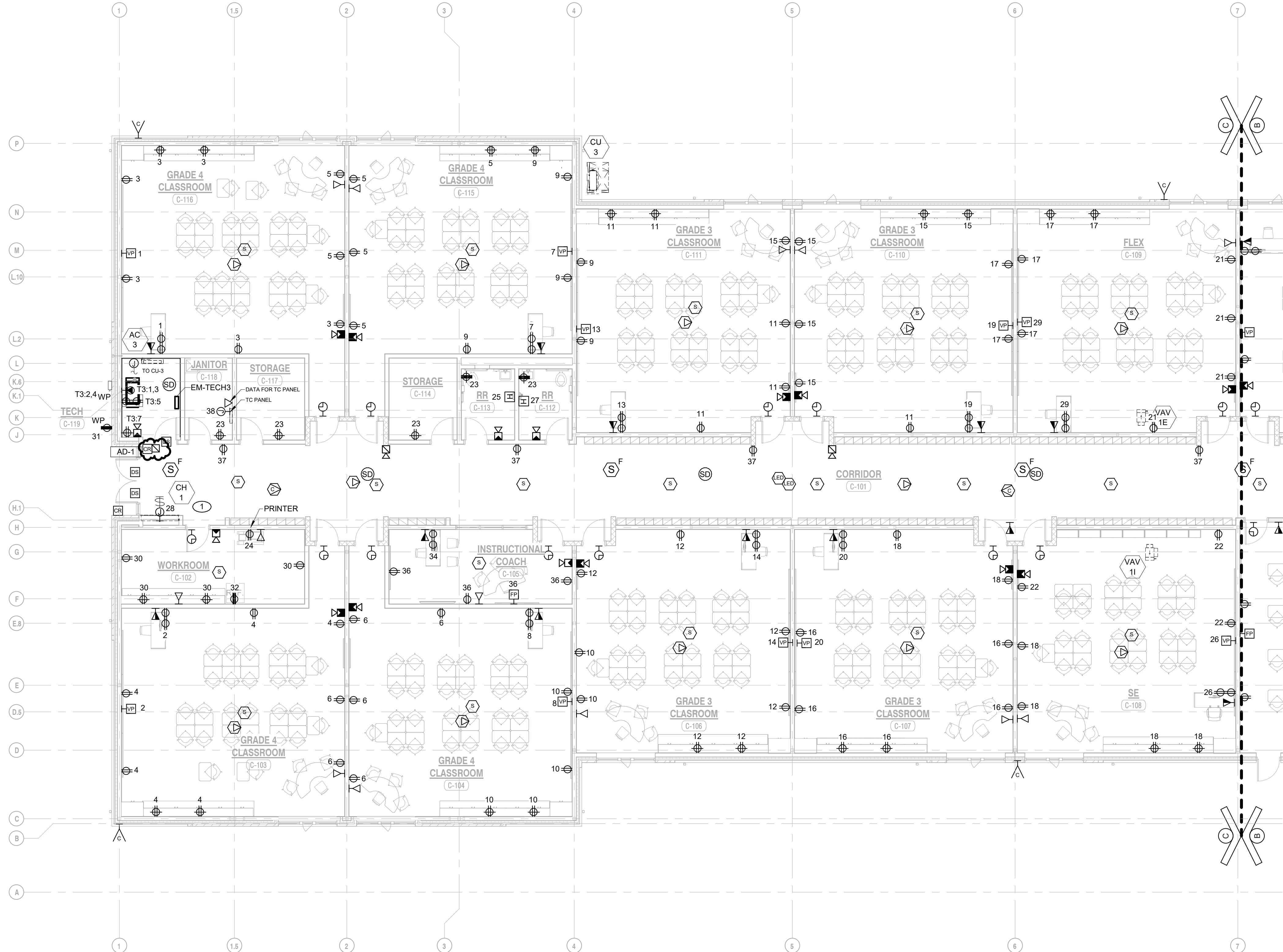


GENERAL NOTES

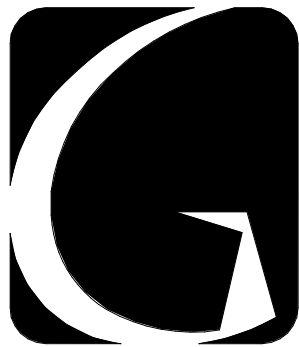
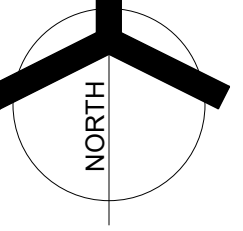
1. ALL DEVICES SHALL BE CIRCUITED ACCORDING TO PANEL PP-6 UNLESS OTHERWISE NOTED.
2. ALL DEVICES WITH A "T3" PREFIX SHALL BE CIRCUITED TO PANEL EM-TECH3.
3. PROVIDE ALL LABOR AND MATERIAL TO PROVIDE THE NECESSARY ROUGH-INS, RACEWAYS AND ELECTRICAL SERVICES FOR ALL OF THE ACCESS CONTROL, SOUND SYSTEMS, TECHNOLOGY SYSTEMS AND EQUIPMENT. SEE TECHNOLOGY DRAWINGS AND SPECIFICATIONS FOR LOCATIONS OF DEVICES/EQUIPMENT, MOUNTING HEIGHTS AND ELECTRICAL REQUIREMENTS. COORDINATE AND VERIFY EXACT LOCATIONS OF ALL ROUGH-INS AND REQUIREMENTS WITH TECH DYNE, ARCHITECT, OWNER, CONSTRUCTION MANAGER AND DIVISION 27 CONTRACTOR PRIOR TO ROUGHING-IN.

SHEET NOTES

1. REFER TO MECHANICAL EQUIPMENT CONNECTION SCHEDULE FOR ADDITIONAL CIRCUITING AND WIRING INFORMATION.



1 UNIT "C" ELECTRICAL POWER FIRST FLOOR PLAN
EP103 1/8" = 1'-0"

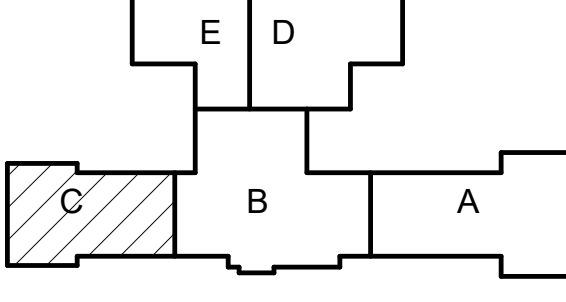


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PROJECT:
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ELEMENTARY
SCHOOL**

DUNELAND SCHOOL
CORPORATION
100 W BEAM ST
PORTER, IN 46304



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21-134
DATE
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DRAWING
UNIT "C" ELECTRICAL POWER
FIRST FLOOR PLAN

PROJECT
NEW YOST ELEMENTARY SCHOOL

GIBALTAR DESIGN SHEET
C EP103

SHEET NOTES

1.

REFER TO MECHANICAL EQUIPMENT CONNECTION SCHEDULE FOR ADDITIONAL CIRCUITING AND WIRING INFORMATION.

2.

TELECOM GROUNDING BUSBAR, COORDINATE FINAL LOCATION IN ROOM WITH TECHNOLOGY EQUIPMENT INSTALLER. REFER TO GROUNDING DETAIL AND GROUNDING BUSBAR DETAIL FOR ADDITIONAL INFORMATION.

3.

TWO(2) 4" RNC SCH 40 CONDUITS WITHOUT FITTINGS REFER TO TECHNOLOGY PLANS FOR ADDITIONAL INFORMATION.

GENERAL NOTES

1.

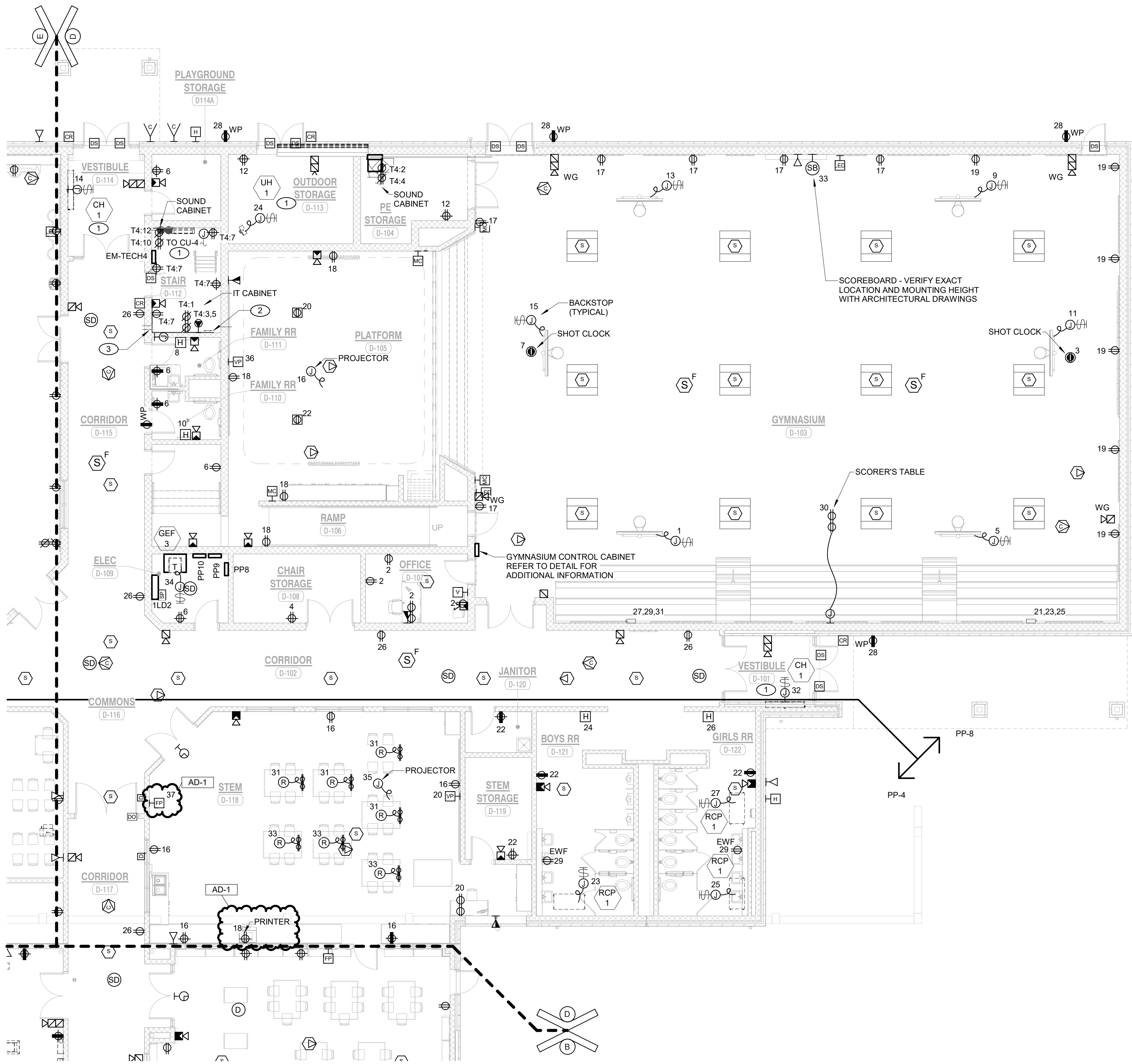
ALL DEVICES SHALL BE CIRCUITED ACCORDING TO PANEL DESIGNATION LINES UNLESS OTHERWISE NOTED.

2.

ALL DEVICES WITH A "T4" PREFIX SHALL BE CIRCUITED TO PANEL EM-TECH4.

3.

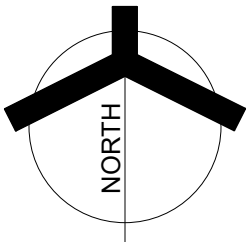
PROVIDE ALL LABOR AND MATERIAL TO PROVIDE THE NECESSARY ROUGH-INS, RACEWAYS AND ELECTRICAL SERVICES FOR ALL OF THE ACCESS CONTROL, SOUND SYSTEMS, TECHNOLOGY SYSTEMS AND EQUIPMENT. SEE TECHNOLOGY DRAWINGS AND SPECIFICATIONS FOR LOCATIONS OF DEVICES/EQUIPMENT, MOUNTING HEIGHTS AND ELECTRICAL REQUIREMENTS. COORDINATE AND VERIFY EXACT LOCATIONS OF ALL ROUGH-INS AND REQUIREMENTS WITH TECH DYNE, ARCHITECT, OWNER, CONSTRUCTION MANAGER AND DIVISION 27 CONTRACTOR PRIOR TO ROUGHING-IN.



1
EP104

UNIT "D" ELECTRICAL POWER FIRST FLOOR PLAN

1/8" = 1'-0"



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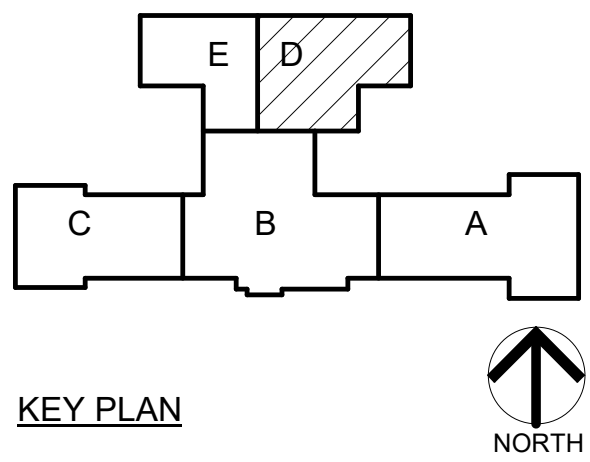
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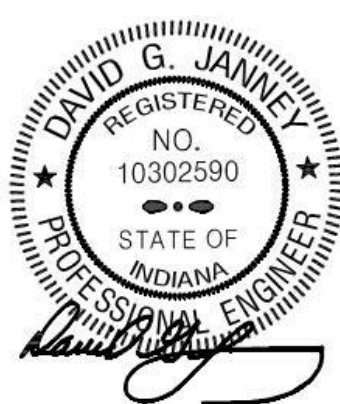
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UNIT "D" ELECTRICAL POWER
FIRST FLOOR PLAN

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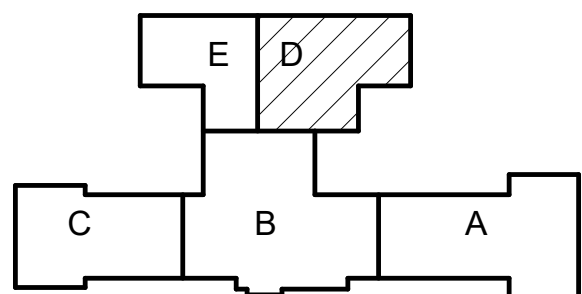
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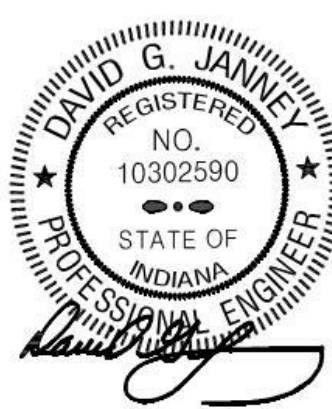
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DRAWING

**ENLARGED ELECTRICAL
POWER PLANS**

PROJECT

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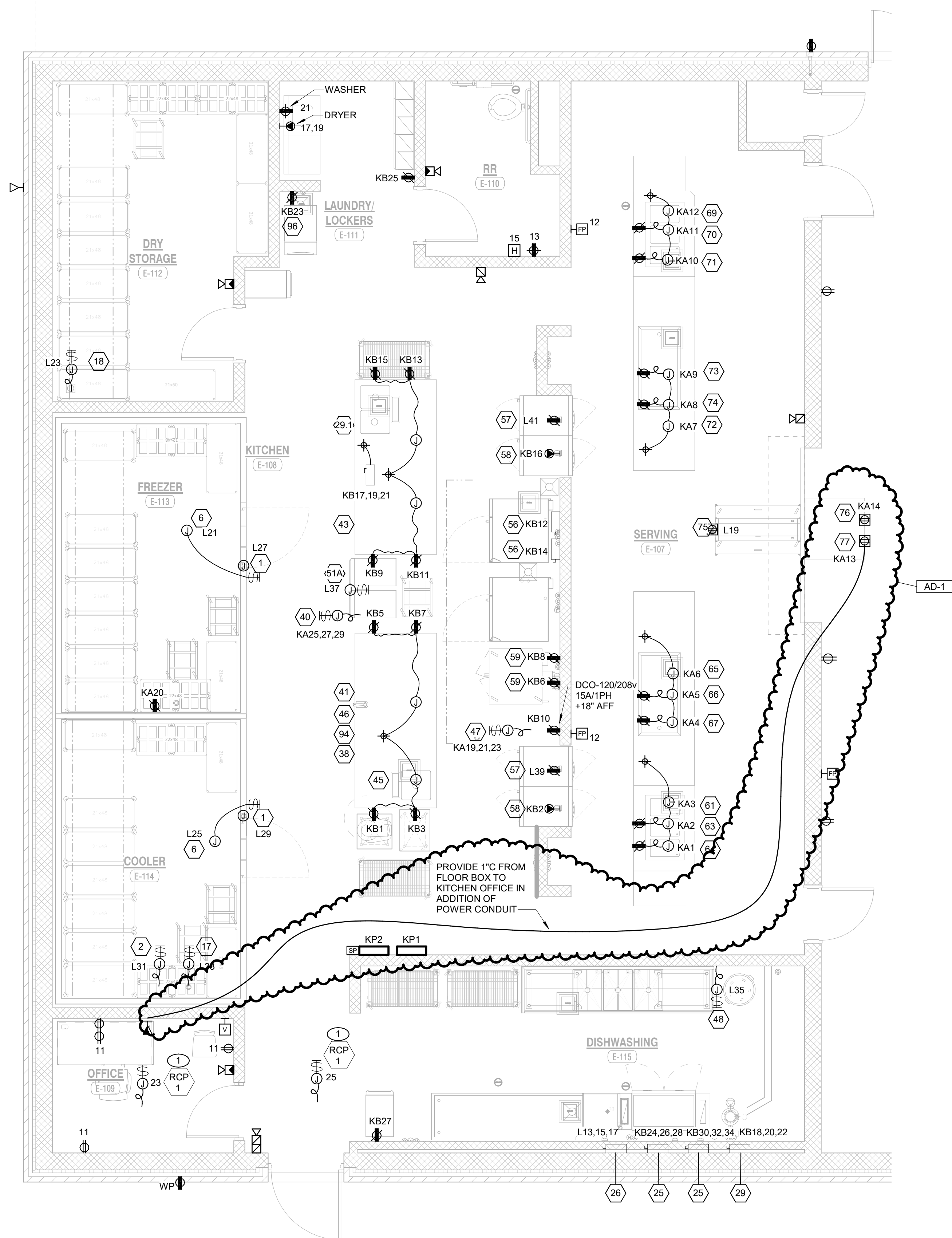
EP107

GENERAL NOTES

1. ALL DEVICES SHALL BE CIRCUITED TO PANEL "PP-9" UNLESS OTHERWISE NOTED.
2. ALL DEVICES WITH A "KA" PREFIX SHALL BE CIRCUITED TO PANEL KP-1.
3. ALL DEVICES WITH A "KB" PREFIX SHALL BE CIRCUITED TO PANEL KP-2.
4. ALL DEVICES WITH A "E" PREFIX SHALL BE CIRCUITED TO PANEL EM-L.
5. ALL DEVICES WITH A "HK1" PREFIX SHALL BE CIRCUITED TO PANEL HKP-1
6. PROVIDE ALL LABOR AND MATERIAL TO PROVIDE THE NECESSARY ROUGH-INS, RACEWAYS AND ELECTRICAL SERVICES FOR ALL OF THE ACCESS CONTROL, SOUND SYSTEMS, TECHNOLOGY SYSTEMS AND EQUIPMENT. SEE TECHNOLOGY DRAWINGS AND SPECIFICATIONS FOR LOCATIONS OF DEVICES/EQUIPMENT, MOUNTING HEIGHTS AND ELECTRICAL REQUIREMENTS. COORDINATE AND VERIFY EXACT LOCATIONS OF ALL ROUGH-INS AND REQUIREMENTS WITH TECH DYNE, ARCHITECT, OWNER, CONSTRUCTION MANAGER AND DIVISION 27 CONTRACTOR PRIOR TO ROUGHING-IN.
7. REFER TO ELECTRICAL KITCHEN EQUIPMENT SCHEDULE FOR ADDITIONAL INFORMATION.

SHEET NOTES

1. REFER TO MECHANICAL EQUIPMENT CONNECTION SCHEDULE FOR ADDITIONAL CIRCUITING AND WIRING INFORMATION

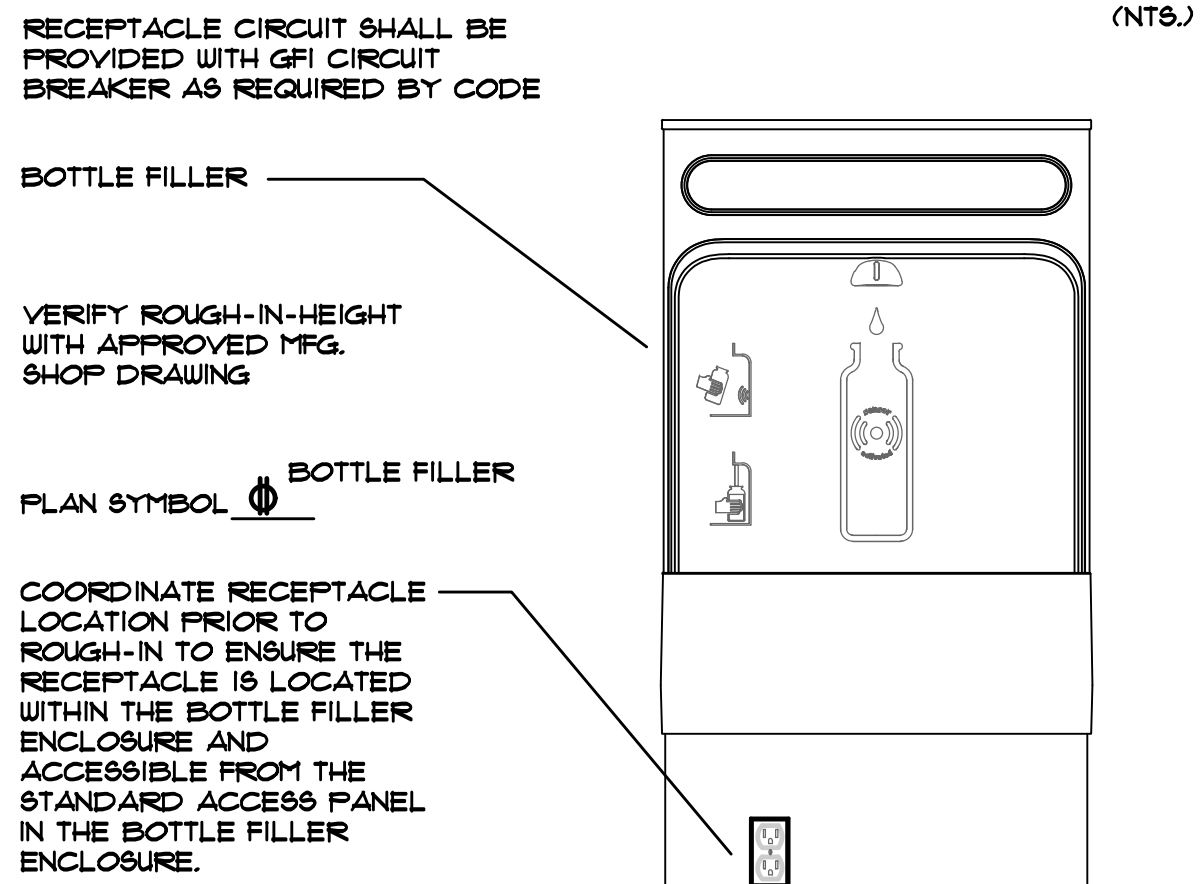


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EP107

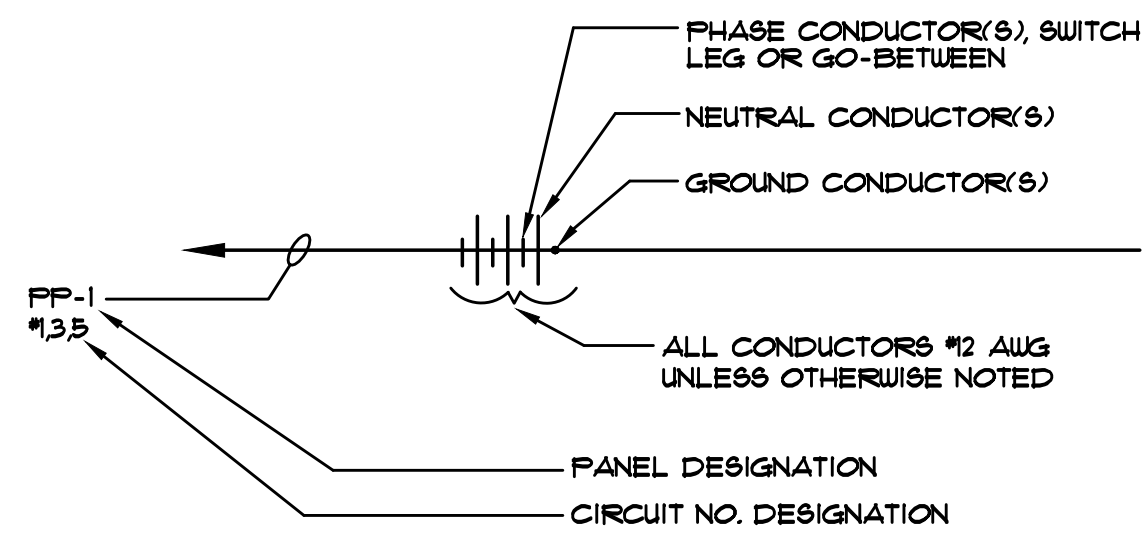
ENLARGED ELECTRICAL POWER KITCHEN PLAN

1/4" = 1'-0"

BOTTLE FILLER WIRING DETAIL

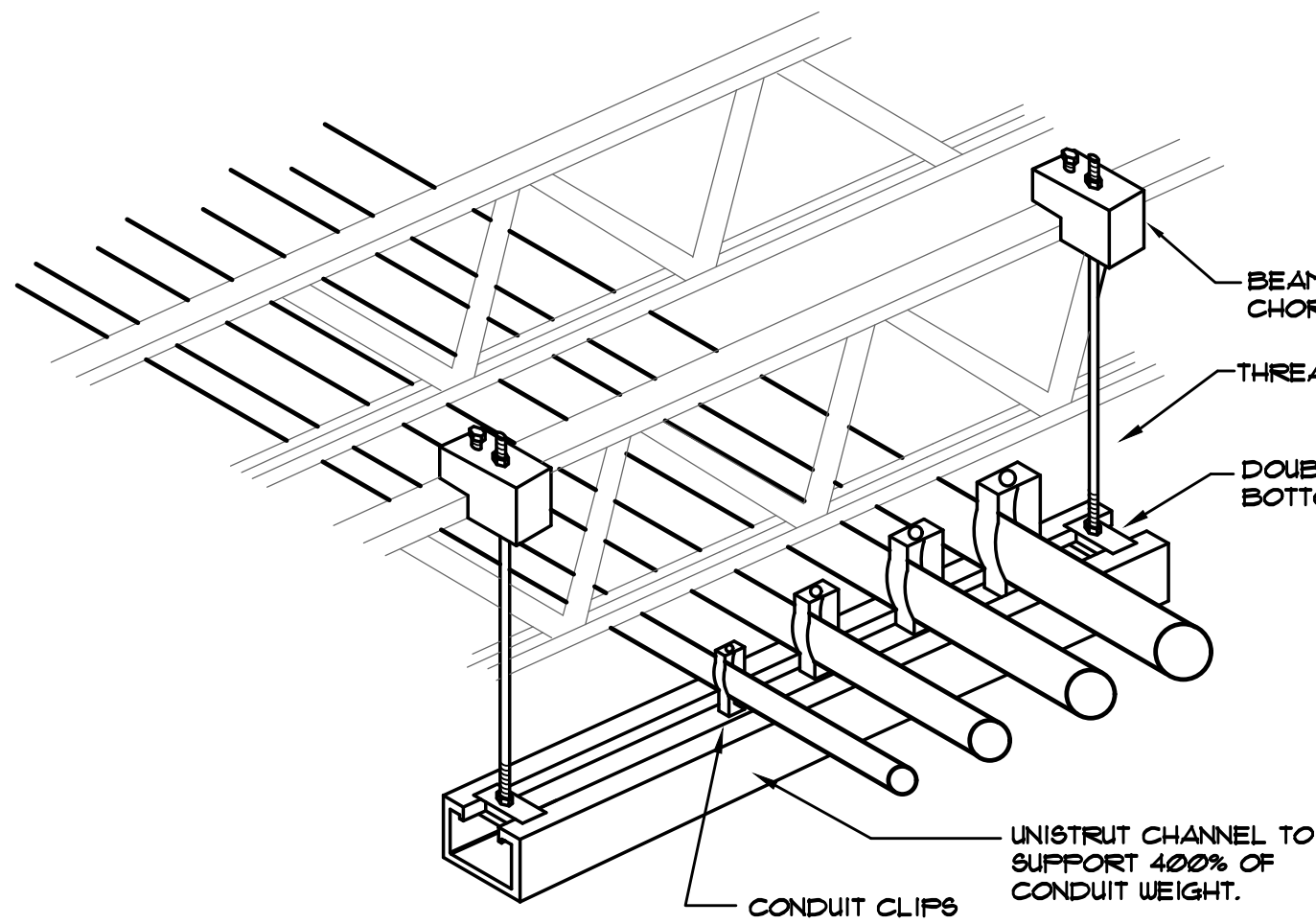


KEY TO ELECTRICAL CIRCUIT WIRING

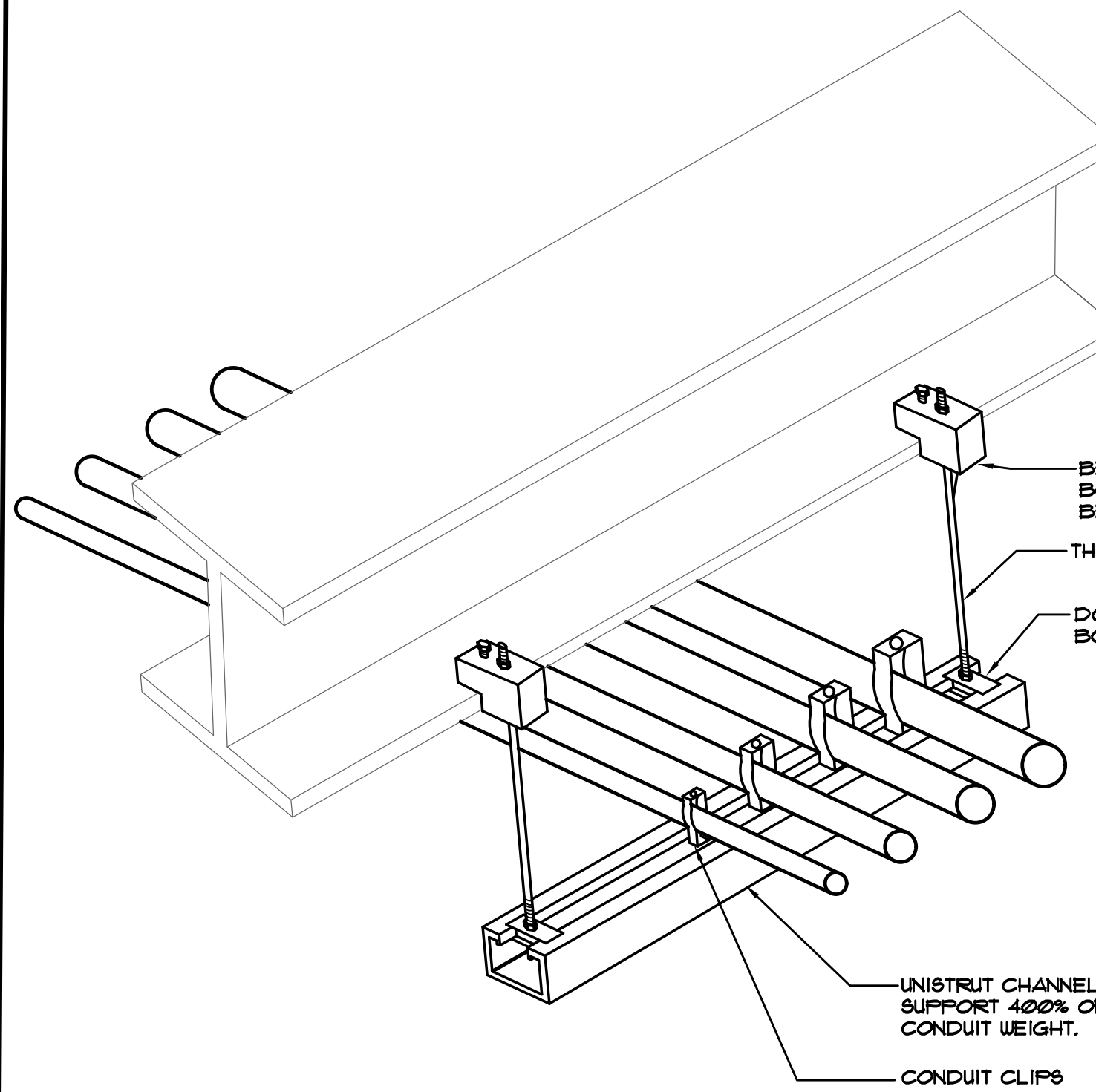


- NOTES:
- ALL WIRING SHALL BE #2 AWG, UNLESS OTHERWISE NOTED.
 - MINIMUM CONDUIT SIZE SHALL BE 3/4" EXCEPT FOR THREE (3) WIRES OR LESS, OR CONTROL WIRING WITHIN BUILDINGS, WHICH MAY BE 1/2" CONDUIT.
 - 1/2" FLEXSTEEL, GREENFIELD OR SEALITE SHALL BE THE MINIMUM SIZE INSTALLED.

2 1/2" AND LARGER CONDUIT SUPPORT DETAIL


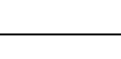

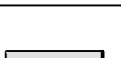
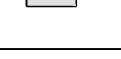




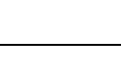
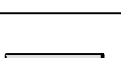
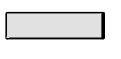














2 1/2" AND LARGER CONDUIT SUPPORT DETAIL

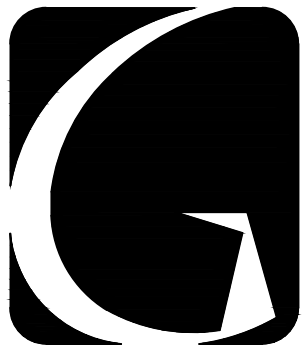
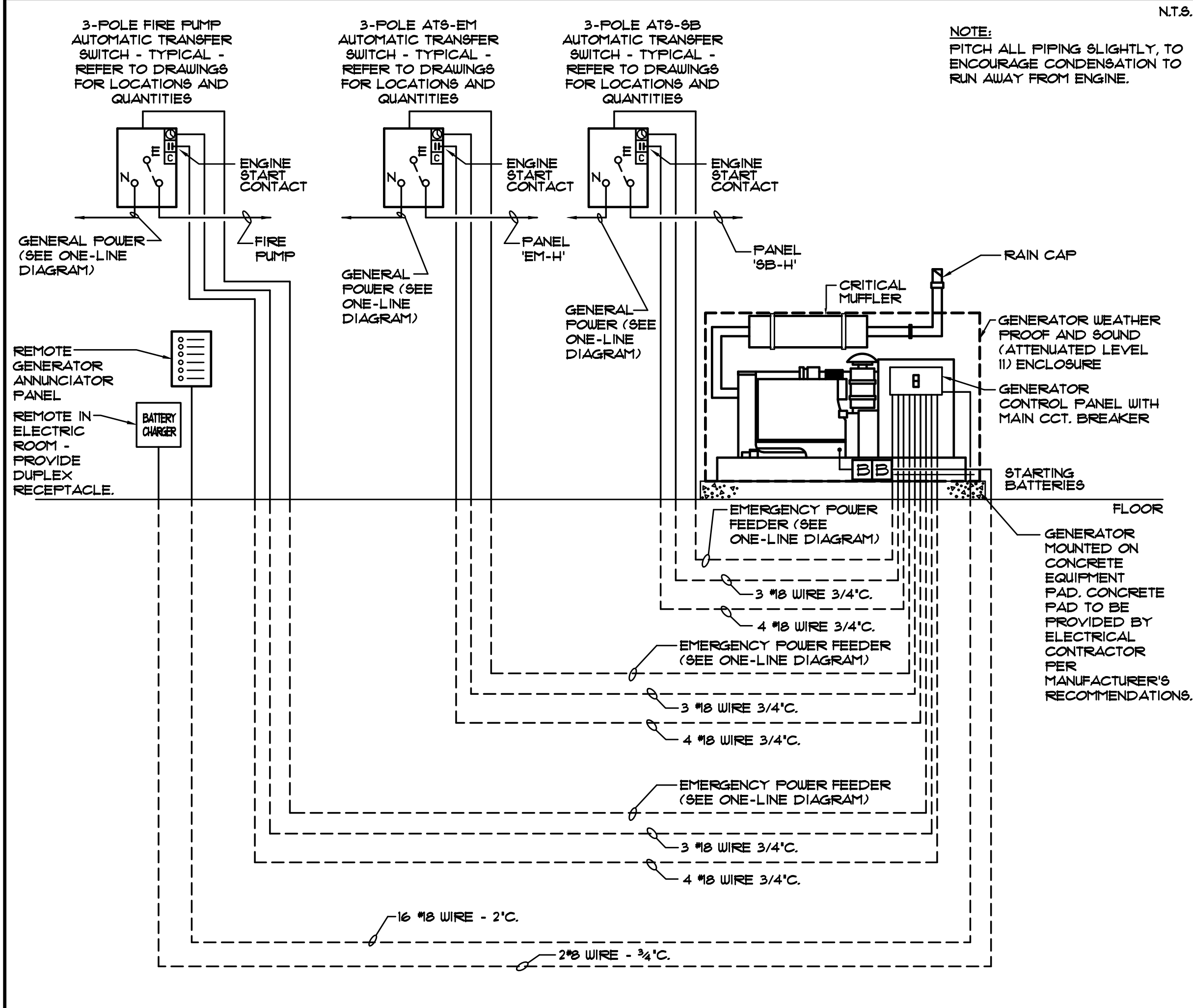


AD-1

INTERIOR LIGHTING LUMINAIRE SCHEDULE

| TAG | SYMBOL | DESCRIPTION | MANUFACTURER SERIES OR CATALOG NUMBER | VOLTAGE/BALLAST | LAMPS/CROSS SECTION | MOUNTING | REMARKS |
|-----|---|--|--|------------------------|------------------------------------|--|---|
| AA |  | 2' X 4' LED DIRECT/INDIRECT FIXTURE | LITHONIA *BLT4-40L-ADP-EZI-LP840 COLUMBIA *LCAT24 SERIES METALUX *24C22 SERIES | 120/277 VOLT 0-10V DIM | LED 4000K MAX 32 W MIN 4000 LM | RECESSED LAY-IN | - |
| AA1 |  | 2' X 4' LED DIRECT/INDIRECT FIXTURE | LITHONIA *BLT4-48L-ADP-EZI-LP840 COLUMBIA *LCAT24 SERIES METALUX *24C22 SERIES | 120/277 VOLT 0-10V DIM | LED 4000K MAX 38 W MIN 4800 LM | RECESSED LAY-IN | - |
| AA2 |  | 2' X 4' LED DIRECT/INDIRECT FIXTURE | LITHONIA *BLT4-60L-ADP-EZI-LP840 COLUMBIA *LCAT24 SERIES METALUX *24C22 SERIES | 120/277 VOLT 0-10V DIM | LED 4000K MAX 48 W MIN 6000 LM | RECESSED LAY-IN | - |
| AA3 |  | 2' X 4' LED DIRECT/INDIRECT FIXTURE | LITHONIA *BLT4-48L-ADP-EZI-LP840 COLUMBIA *LCAT24 SERIES METALUX *24C22 SERIES | 120/277 VOLT 0-10V DIM | LED 4000K MAX 38 W MIN 4800 LM | RECESSED LAY-IN | - |
| AA4 |  | 2' X 4' LED DIRECT/INDIRECT FIXTURE | LITHONIA *BLT4-72L-ADP-EZI-LP840 COLUMBIA *LCAT24 SERIES METALUX *24C22 SERIES | 120/277 VOLT 0-10V DIM | LED 4000K MAX 60 W MIN 7200 LM | RECESSED LAY-IN | - |
| AA5 |  | 2' X 4' LED DIRECT/INDIRECT FIXTURE | LITHONIA *BLT4-85L-ADP-EZI-LP840 COLUMBIA *LCAT24 SERIES METALUX *24C22 SERIES | 120/277 VOLT 0-10V DIM | LED 4000K MAX 74 W MIN 8500 LM | RECESSED LAY-IN | - |
| AB |  | 2' X 2' LED DIRECT/INDIRECT FIXTURE | LITHONIA *BLT2-48L-ADP-EZI-LP840 COLUMBIA *LCAT22 SERIES METALUX *22C22 SERIES | 120/277 VOLT 0-10V DIM | LED 4000K MAX 38 W MIN 4800 LM | RECESSED LAY-IN | - |
| AB1 |  | 2' X 2' LED DIRECT/INDIRECT FIXTURE | LITHONIA *BLT2-40L-ADP-EZI-LP840 COLUMBIA *LCAT22 SERIES METALUX *22C22 SERIES | 120/277 VOLT 0-10V DIM | LED 4000K MAX 32 W MIN 4000 LM | RECESSED LAY-IN | - |
| AC |  | 2' X 4' LED LENSED KITCHEN TROFFER FIXTURE WITH INVERTED LENS AND TRIPLE GASKETING | LITHONIA *GTL4-88L-RW-AIBNV-MVOLT-EZI-H210-XX PRESOLITE *LTR SERIES METALUX *GR LED SERIES | 120/277 VOLT 0-10V DIM | LED 4000K CRI >85 MIN 8800 LM | RECESSED LAY-IN | -INVERTED LENS AND TRIPLE GASKETING |
| CA |  | 6" DIAMETER LED DOWNLIGHT WITH 90°-SPECULAR ALZAK | LITHONIA *LDN6-40-B-LO6-AR-L85-MVOLT-GZ10-40K-80CRI-XX-XX | 120/277 VOLT 0-10V DIM | LED 4000K MAX 18 W MIN 1800 LM | RECESSED LAY-IN DRYWALL | -VERIFY TRIM FINISH WITH ARCHITECT |
| CB |  | 6" DIAMETER LED NARROW BEAM DOWNLIGHT | GOTHAM *EVO6-40-30-AR-ND-L85-XX-XX PORTFOLIO *LD6B SERIES CON-TECH *RALP2-6 SERIES | 120/277 VOLT 0-10V DIM | LED 4000K MAX 30 W MIN 3000 LM | RECESSED LAY-IN DRYWALL | -VERIFY TRIM FINISH WITH ARCHITECT |
| FA |  | LINEAR LED FIXTURE FOR DISPLAY CASE WITH 45 DEG. EXTENSION AND CONTINUOUS LENGTHS AS SHOWN | OPTIC ARTS *LLT2-HO-4IK-X-X-X-X-X-TRAM *SU 24-50-2-D-DRY-40K / VEVE-PR OR APPROVED EQUAL PROVIDE WITH POWER SUPPLIES AND ALL ACCESSORIES AS REQUIRED | MV VOLT HLV DIM | LED 4000K MAX 45W/FT MIN 440 LM/FT | SURFACE | -VERIFY FINISH WITH ARCHITECT -COORDINATE MOUNTING WITH CASEWORK |
| PA |  | 8" LED INDUSTRIAL FIXTURE WITH WIREGUARD AND SAFETY CHAINS | LITHONIA *CLX-L56-8000LM-8EF-PDL-MVOLT-GZ10-40K-80CRI-XX-XX METALUX *NLED SERIES COLUMBIA *11F8 SERIES | 120/277 VOLT 0-10V DIM | LED 4000K CRI >85 MIN 8000 LM | Y' CHAN SUSPEND | -COORD LOCATIONS WITH DUCTWORK & PIPING |
| PA1 |  | 4" LED INDUSTRIAL FIXTURE WITH WIREGUARD AND SAFETY CHAINS | LITHONIA *CLX-L48-5000LM-8EF-PDL-MVOLT-GZ10-40K-80CRI-XX-XX METALUX *NLED SERIES COLUMBIA *11F8 SERIES | 120/277 VOLT 0-10V DIM | LED 4000K CRI >85 MIN 1000 LM | Y' CHAN SUSPEND | -COORD LOCATIONS WITH DUCTWORK & PIPING |
| PA2 |  | 4" LED INDUSTRIAL FIXTURE WITH WIREGUARD AND SAFETY CHAINS | LITHONIA *CLX-L48-10000LM-8EF-PDL-MVOLT-GZ10-40K-80CRI-XX-XX METALUX *NLED SERIES COLUMBIA *11F8 SERIES | 120/277 VOLT 0-10V DIM | LED 4000K CRI >85 MIN 10000LM | Y' CHAN SUSPEND | -COORD LOCATIONS WITH DUCTWORK & PIPING |
| FB |  | LED HIGH BAY FIXTURE WITH WIREGUARD AND SAFETY CABLE | LITHONIA *BQ-30L-8EF-AFL-GND-MVOLT-GZ10-40K-80CRI-HIGX-XX-XX COLUMBIA *FEL4 SERIES METALUX *QHB SERIES | 120/277 VOLT 0-10V DIM | LED 4000K MAX 118 W 30000 LM | CABLE MTD 6" ABOVE BOTTOM OF STRUCTURE | -PROVIDE WIREGUARD AND SAFETY CABLE |
| FE |  | LED CONTINUOUS DIRECT/INDIRECT PENDANT FIXTURE | AXIS LIGHTING *EBADLED-400-400-80-40-80-80-XX-XX-UNV-DP-1-XX NULITERP44-B-03-03-L40-U-D-X-X-PRE-XX-T1-X-120-XX LUMINIERE *VLA4PDI-HLO-FH-WO-LED-80-400-400-40-X-UNV-DI-1-B3WAC36-X | 120/277 VOLT 0-10V DIM | LED 4000 K MIN 800LM/FT MAX 15W/FT | SUSPENDED VERIFY W/ ARCHITECT | -PROVIDE LENGTHS AS SHOWN ON DRAWINGS -VERIFY FINISH WITH ARCHITECT |
| FD |  | LED TRACK LIGHTING | JUNO HTEK TRAC HEAD *T265L-G2-40K-T265L-HTEK-G2-40K-80CRI-FDIM-FL OR APPROVED EQUAL | 120/277 VOLT 0-10V DIM | LED 4000 K MIN 3000LM MAX 39W | SUSPENDED VERIFY W/ ARCHITECT | - |
| CE |  | 6" DIAMETER LED WITH SLOPE CEILING ADAPTER | GOTHAM *EVO6-40-40-AR-XX-MD-XX-MVOLT OR APPROVED EQUAL | 120/277 VOLT 0-10V DIM | LED 4000K MAX 39 W MIN 4000 LM | RECESSED SLOPED | -VERIFY TRIM FINISH WITH ARCHITECT |
| XA |  | SINGLE FACE EXIT, AC ONLY | DUAL-LITE *SE-S-R-X LITHONIA *LE-S-X-1-R-X SURE-LITES *CX SERIES | 120 VOLT | LED MAX 3W | CEILING/WALL | -VERIFY FINISH WITH ARCHITECT -PROVIDE WITH ARROUS AS REQUIRED |
| XB |  | DUAL FACE EXIT AC ONLY | DUAL-LITE *SE-D-R-X LITHONIA *LE-S-X-2-R-X SURE-LITES *CX SERIES | 120 VOLT | LED MAX 3W | CEILING/WALL | -VERIFY FINISH WITH ARCHITECT -PROVIDE WITH ARROUS AS REQUIRED |
| XC |  | SINGLE FACE EXIT, AC ONLY, BLACK FINISH | DUAL-LITE *SE-S-R-B LITHONIA *LE-S-1-R-X SURE-LITES *CX SERIES | 120 VOLT | LED MAX 3W | CEILING/WALL | -VERIFY FINISH WITH ARCHITECT -PROVIDE WITH ARROUS AS REQUIRED |
| EM |  | FIXTURE ON EMERGENCY LIFE SAFETY GENERATOR CIRCUIT WITH UL924 BYPASSES AS REQUIRED | - | 120/277 VOLT | - | IN FIXTURE/REMOTE | -PROVIDE TEST SWITCH AND CHARGING INDICATOR |
| NL |  | CONSTANT HOT, UNSWITCHED NIGHT LIGHT FIXTURE | - | - | - | - | - |

EMERGENCY STANDBY GENERATOR WIRING SCHEMATIC



GIBRALTAR
DESIGN

ARCHITECTURE *ENGINEERING *INTERIOR DESIGN



PROJECT:

**NEW YOST
ELEMENTARY
SCHOOL**

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PROJECT

21-134

DATE

03/31/2022

COORDINATED BY

JC

DRAWN BY

MS

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DJ

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REVISIONS

MARK

DATE

ISSUED FOR

AD-1

04/14/22

ADDENDUM NO. 1

DRAWING
ELECTRICAL NOTES,
DETAILS & DIAGRAMS

PROJECT

NEW YOST ELEMENTARY SCHOOL

GIBRALTAR
DESIGN

SHEET

E-603