ADDENDUM NO. 2

September 19, 2025

VALE FACILITY ADDITION/RENOVATIONS AND MAINTENANCE/IT FACILITY PROJECTS

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 September 4, 2025 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 2-1 and attached and attached Addendum No. 2 from Gibraltar Design dated September 18, 2025 and consisting of 7 pages, Specification Sections 08 71 00 - Door Hardware - Group 21, 10 14 53 - Traffic Signs, 32 13 80 - Exterior Concrete and Site Equipment, 33 30 10.1 - Sanitary Lift Station, and 58 Drawings.

A. SPECIFICATION SECTION 00 00 20 - TABLE OF CONTENTS

1. **ADD:**

Division 10 - Specialties: Specification Section 10 14 53 - Traffic Signs
Division 32 - Exterior Improvements: Specification Section 32 13 80 - Exterior Concrete and Site Equipment

B. SPECIFICATION SECTION 01 12 00 - MULTIPLE CONTRACT SUMMARY

Under 3.03 Bid Categories

A. BID CATEGORY NO. 01 - GENERAL TRADES

1. **ADD:**

Specification Section 10 14 53 - Traffic Signs
Specification Section 32 13 80 - Exterior Concrete and Site Equipment

ADDENDUM TWO

Addendum Two (AD.02) to the drawings and specifications prepared by Gibraltar Design for **Valparaiso Vale Facility Addition/Renovations and Maintenance/It Facility and Related Work** for Valparaiso Community Schools, Valparaiso, 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 00 01 10 Table of Contents**
   A. Add new Specification Section to Division 10, Section 10 14 53, Traffic Signs.
   B. Add new Specification Section to Division 32, Section 32 13 80, Exterior Concrete and Site Equipment.
2. **Specification Section 02 41 30 Minor Demolition for Remodeling**
   A. Add new Paragraph 1.1.F. as follows: "F. Cleaning and Vitrification of existing terrazzo floor systems."
   B. Add new paragraph 3.5. as follows:

      "3.5 Cleaning and Vitrification of Existing Terrazzo

      A. Terrazzo Floors:

         1. Restore: Clean all terrazzo floors utilizing the 3M Trizact Diamond HX Discs per the manufacturers Restoring directions and recommendations.
         2. Protect: Utilize 3M High performance hardener and protector Scotchguard Stone Floor Protector. Complete with the 3M Easy Shine Applicatior System. Burnish the floor as directed and recommended by the manufacturer."
3. **Specification Section 04 20 00 Unit Masonry**
   A. Revise Paragraph 2.6.A.1.a. to read: "a. Bond: American or Common Brick Bond, every sixth course is a header bond, with Dutch Corners, matching the existing brick pattern."
   B. Delete Paragraph 3.15 in its entirety.
4. **Specification Section 05 50 00 Miscellaneous Metals**
   A. Delete Paragraph 3.3.G.2. in its entirety.
   B. Revise Paragraph 3.3.G.3. to 2 and read as follows: "2. Gate Hardware: Provide minimum three (3) barrel style hinges, Style H115 Hinge, exterior side sliding bar style latch, with Pad Lock capability, and extra heavy duty cane bolt, zinc coated steel, 17-inch length minimum (field verify), 3/4-inch rod diameter, with spring loaded guide."

5. Specification Section 08 71 00 Door Hardware

A. Delete hardware set #21 in its entirety and replace with hardware set #21 included in this addendum.

6. Specification Section 10 14 53 Traffic Signs

A. Add Specification Section 10 14 53, Traffic Signs, included in this Addendum, to the Project Manual.

7. Specification Section 32 13 80 Exterior Concrete and Site Equipment

A. Add Specification Section 32 13 80, Exterior Concrete and Site Equipment, included in this Addendum, to the Project Manual.

8. Specification Section 33 30 10.1 Sanitary Lift Station

A. 1.02 (C) – revised the referenced section all components and materials shall be in accordance with.

B. 2.01 (L) – strikethrough items 6, and 8-13 as options are not necessary.

C. 2.01 (L) – strikethrough "Optional" in item 7; item is now required.

D. 2.01 (M) – added "Transformer, Buck Boost" item.

E. 3.04 (L) – added step to installation guide referencing requirements to the alarm panel.

DRAWINGS

NEW MAINTENANCE AND IT BUILDING

9. Sheet C-101

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

1. Extended concrete removal limits of sidewalk near the West entrance of Vale.

10. Sheet C-104

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

1. Revised note #15 to "Utility Notes".
2. Added notes #16 and #17 to "Utility Notes".
3. Added an electrical single line diagram for the sanitary lift station.
4. Added 4" Dia. storm downspout pipes.
5. Connected 4" Dia. storm downspout pipe to STR. 100A with pipe invert.
6. Added 4"x12" WYE for downspout connection to header pipe.
7. Added 8" Dia. storm downspout pipe.
8. Added 8"x12" WYE for downspout connection to header pipe.

11. Sheet C-105

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

1. Added notes to indicate demolished areas to be restored with topsoil and

seeding.

2. Added "ADA Parking Space & Aisle" detail.

12. Sheet C-107

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

1. Revised the "Restrained Pipe Length Table" detail.

13. Sheet C-108

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

1. Added the "Transformer, Buck Boost" detail.

14. Sheet A-101

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

1. Added card reader.
2. Revised Architectural plan note A07.
3. Deleted General note M.

15. Sheet A-130

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

1. Revised Plan Note 15.

16. Sheets A-301 and A-301A

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

1. Revised Brick & Stone Type Notes B1A.
2. Revised elevation dimensions.

17. Sheet A-410

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

1. Revised section 1/A-410 title to read Alternate.
2. Revised section 4/A-410 title to read Alternate.
3. Added section 3/A-410 Alternate Wall Section Door 100B to drawing sheet.
4. Moved 3/A410 Detail: Typical Exterior Door Sill to 2/A501.

18. Sheet A-411

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

1. Revised sections 1/A-411, 4/A-411 and 5/A-411.

19. Sheet A-411A

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

1. Revised sections 2/A-411A, 4/A-411A, 5/A-411A and 6/A-411A.

20. Sheet A-412

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

1. Revised Elevation Vestibule 100 7/A-412.

21. Sheet A-501

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

1. Added details 2/A-501 and 7/A-501.

22. Sheet ES101

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

23. Sheet E-101

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

24. Sheet E-201

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

25. Sheet E-502

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

26. Sheets E-601 and E-602

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

27. Sheet T-001

A. Refer to revised, full-size drawing, included in this Addendum, for revisions below.
   1. Added 21, and 22 to technology notes.
   2. Revised symbol list descriptions.

28. Sheet T-101

A. Refer to revised, full-size drawing, included in this Addendum, for revisions below.
   1. Removed card access from corridor.
   2. Removed a exterior intercom station.

VALE FACILITY ADDITION

29. Sheet G-101

A. Refer to revised, full-size drawing, included in this Addendum, for revisions below.
   1. Updated Sheet List

30. Sheet S-203

A. Refer to revised, full-size drawing, included in this Addendum, for revisions below.
   1. Steel Beam and Joist sizes Modified
   2. Steel Lintels at Openings added
   3. Concrete Block Lintels added
   4. Roof Framing Keyed Note H Modified
   5. Roof Framing Plan Notes Diagram Modified
   6. Framing Sections Added

31. Sheet S-402

A. Refer to revised, full-size drawing, included in this Addendum, for revisions below.
   1. Sections 7, 11 & 12 Modified

32. Sheet S-412

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

1. Section 9 Has Been Modified

33. Sheet S-413

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

1. Sections 7 & 8 Added

34. Sheet AD-102

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

1. Updated keynote locations.

35. Sheet A-103

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

1. Dumpster Gate update.

36. Sheet A-201

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

1. Roof Ladder Location.

37. Sheet A-210

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

1. Detail 8 note clarification and added typical roof ladder detail.

38. Sheet A-301

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

1. Added top of masonry elevations and eliminated detail 13.

39. Sheet A-401

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

1. Added top of masonry elevations.

40. Sheet A-410

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

1. Added top of masonry elevations.

41. Sheet A-411

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

1. Added top of masonry elevations and added notes to detail 7 and 10.

42. Sheet A-412

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

1. Added canopy column cut stone detail.

43. Sheet A-430

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

1. Alternate Bid Ramp clarifications.

44. Sheet A-501

A. Refer to revised, full-size drawing, included in this Addendum, for revisions.
   1. Added sheet to construction drawing set.

45. Sheet A-610

A. Refer to revised, full-size drawing, included in this Addendum, for revisions below.
   1. Clarified notes in details 3, 4 and 6, added detail 12.

46. Sheet A-702

A. Add corner guards at the jambs of exterior door B122D in room B122 Veterinary Tech.

47. Sheet PD-101

A. Refer to revised, full-size drawing, included in this Addendum, for revisions below.
   1. Revised base bid scope in bathrooms EA105 and EA108.
   2. Added sheet notes.

48. Sheet PD-102

A. Refer to revised, full-size drawing, included in this Addendum, for revisions below.
   1. Revised base bid scope in bathrooms EB110 and EB111.
   2. Added sheet notes.

49. Sheet P-103

A. Refer to revised, full-size drawing, included in this Addendum, for revisions below.
   1. Revised storm and greasy waste lines.

50. Sheet P-111

A. Refer to revised, full-size drawing, included in this Addendum, for revisions below.
   1. Revised base bid scope in rooms A104 and A105.

51. Sheet P-112

A. Refer to revised, full-size drawing, included in this Addendum, for revisions below.
   1. Revised base bid scope in B111 and B112.

52. Sheet P-113

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

53. Sheet P-203

A. Refer to revised, full-size drawing, included in this Addendum, for revisions below.
   1. Revised roof drain layout.

54. Sheet ES101

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

55. Sheets E-201, E-202, and E-203

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

56. Sheet E-401

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

57. Sheet E-502

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

58. Sheets E-602 and E-603

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

59. Sheet T-001

A. Refer to revised, full-size drawing, included in this Addendum, for revisions below.
   1. Revised symbol list descriptions.
   2. Added project input station to symbol list.
   3. Added technology notes 21, and 22.

60. Sheet T-101

A. Refer to revised, full-size drawing, included in this Addendum, for revisions below.
   1. Revised low voltage fiber pathway.
   2. Added a projector input station.

61. Sheet T-102

A. Refer to revised, full-size drawing, included in this Addendum, for revisions below.
   1. Removed exterior intercom note.
   2. Relocated data outlet in i.t. cyber b115.

62. Sheet T-103

A. Refer to revised, full-size drawing, included in this Addendum, for revisions below.
   1. Relocated exterior card access.

Pages 1 through 7, inclusive, Specification Sections 087100, 101453, 321380, 333010.1, and Fifty-Eight (58) Full-Size Drawings, constitute the total makeup of **Addendum Two.**

GIBRALTAR DESIGN

Joseph P. Briggs

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137734 OPT0442575 Version 5

Hardware Group No. 21

122B

Provide each SGL door(s) with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
1	EA	CONT. HINGE	224XY EPT	628	IVE
1	EA	POWER TRANSFER	EPT10	689	VON
1	EA	EU MORTISE LOCK	L9092JEU 06A RX CON 12/24 VDC	626	SCH
1	EA	INTERFACE BOX	JB7 AS REQUIRED		VON
1	EA	FSIC CORE	23-030 EV29 T (PRIMUS AS DIRECTED BY OWNER)	626	SCH
1	EA	SURFACE CLOSER	4111 SCUSH	689	LCN
1	EA	KICK PLATE	8400 10" X 2" LDW B-CS	630	IVE
1	EA	CREDENTIAL READER	BY ACCESS CONTROL PROVIDER	BLK	SCE
1	EA	DOOR CONTACT	679-05HM	BLK	SCE
1	EA	POWER SUPPLY	PS902 900-4R	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 ENTRANCE. ALWAYS FREE EGRESS.

DOOR CONTACT TO MONITOR DOOR POSITION. RX SWITCH FOR VALID EGRESS.

SECTION 10 14 53
TRAFFIC SIGNS

PART 1 - GENERAL

1.01 WORK INCLUDES

A. This work shall consist of furnishing and installing traffic signs.

1.02 REFERENCE DOCUMENTS

A. INDOT Standard Specifications, Section 802
B. INDOT Standard Specifications, Section 919

PART 2 - MATERIALS

A. Sign posts shall conform to INDOT Type 1 with reinforced anchor base.
B. Sign Sheet material shall conform to INDOT Standard Specification section919.

PART 3 - EXECUTION

3.01 INSTALLATION

A. Posts shall be vertical after installation. All damaged posts shall be removed and replaced with an acceptable post.
B. Square reinforced anchor base shall be installed to INDOT standards.
C. Sign Sheets shall be securely fastened to posts per INDOT standards.

END OF SECTION

SECTION 32 13 80
EXTERIOR CONCRETE AND SITE EQUIPMENT

1 General

1.1 Section Includes

A. Handicapped parking and miscellaneous signs.

B. Precast Parking Barriers.

C. Culverts.

D. Adjusting ring.

1.2 Related Sections

A. Section 31 20 00 - Earthwork.

B. Section 32 13 13 - Portland Cement Concrete Paving: For sidewalks and pavements.

C. Section 32 31 00 - Chain Link Fences and Gates.

1.3 References

A. ACI 301 - Specifications for Structural Concrete for Building.

B. ASTM A185 - Steel Welded Wire Fabric, Plain, for Concrete Reinforcement.

C. ASTM A615 - Deformed and Plain Billet-Steel Bars for Concrete Reinforcement.

D. ASTM A497 - Steel Welded Wire Fabric, Deformed, for Concrete Reinforcement.

E. ASTM C14 - Concrete Sewer, Storm Drain, and Culvert Pipe.

F. ASTM C33 - Concrete Aggregates.

G. ASTM C76 - Reinforced Concrete Culvert, Storm Drain, and Sewer Pipe.

H. ASTM C94 - Ready-Mixed Concrete.

I. ASTM C150 - Portland Cement.

J. ASTM C260 - Air-Entraining Admixtures for Concrete.

K. ASTM C443 - Joints for Circular Concrete Sewer and Culvert Pipe, Using Rubber Gaskets.

L. ASTM C309 - Liquid Membrane-Forming Compound for Curing Concrete.

M. ASTM C494 - Chemical Admixtures for Concrete.

N. ASTM C1116 - Fiber-Reinforced Concrete and Shotcrete.

O. ASTM D3034 - Type PSM Poly(Vinyl Chloride) (PVC) Sewer pipe and Fitting.

1.4 Submittals

A. Shop drawings and product data for signs.

B. Shop drawings and product data for precast concrete products.

C. Submit proposed mix design of each class of concrete to Architect/Engineer for review prior to commencement of work.

D. For all concrete mixes using fly ash, submit the following:

1. Certified letter stating that all fly ash being used meets all requirements of ASTM C618, except that the maximum loss on ignition shall be 3 percent.

2. Laboratory test results for each mix being submitted.

E. Shop drawings for reinforcing bars.

F. Product data, samples, and installation instructions for artificial turf and pad.

G. Product data and installation instructions on tree grates.

1.5 Tests

A. Testing and analysis will be performed under provisions of Division 1.

B. Testing firm's ACI certified technician will take cylinders and perform slump and air entrainment tests in accordance with ACI 301.

2 Products

2.1 Concrete Materials

A. Cement: ASTM C150 Normal Type I Air-Entraining Type IA Air-Entraining Type IIA Air-Entraining Type IIIA Portland type, gray color.

B. Fly Ash: ASTM C618, Type C.

C. Fine and Coarse Aggregates: ASTM C33.

D. Water: Potable.

2.2 Form Materials

A. Conform to ACI 301.

B. Wood or steel form material, profiled to suit conditions.

2.3 Reinforcement

A. Reinforcing Steel: ASTM A615; 60 ksi yield grade; deformed billet steel bars, uncoated finish.

B. Welded Steel Wire Fabric: Plain type, ASTM A185; Deformed type, ASTM A497; in flat sheets; coiled rolls; uncoated galvanized finish.

C. Tie Wire: Annealed steel, minimum 16 gage size.

D. Dowels: ASTM A615; 60 ksi yield grade, plain steel, uncoated finish.

E. Fiber Additive: Complying with ASTM C1116.

1. Nylon Fibers: 100 percent virgin nylon, 3/4 inch length fiber unless otherwise noted.

a. FORTA NYLON as manufactured by Forta Corporation, with a dosage rate of 1.0 pounds per cubic yard of concrete.

b. NYCON as manufactured by Nycon, Inc., with a dosage rate of 1.0 pounds cubic yard of concrete.

2. Polypropylene Fibers: 100 percent virgin collated, fibrillated, polypropylene fibers, 3/4 inch length unless otherwise noted.

a. FIBERMESH as manufactured by Fibermesh Co., with a dosage rate of 1.5 pounds per cubic yard of concrete.

b. FORTA CFP as manufactured by Forta Corporation, with a dosage rate of 1.5 pounds per cubic yard of concrete.

2.4 Accessories

A. Curing Compound: ASTM C309.

1. Kurez DR manufactured by Euclid Chemical Company.

2. L&M Cure by L&M Construction Chemicals, Inc.

B. Preformed Joint:

2.5 Admixtures

A. Air Entrainment: ASTM C260.

B. Chemical Admixture: ASTM C494.

2.6 Pipe Materials

A. Reinforced Concrete Pipe: ASTM C76, Class I II III IV V with Wall Type A; B; C; mesh bar reinforcement; bell and spigot end joints.

B. Plastic Pipe: ASTM D3034, Type PSM, polyvinyl chloride (PVC) material; bell and spigot style gasketed end joints.

C. Concrete End Sections: Precast, reinforced concrete, in accordance with Indiana Department of Transportation Standard Sheet ME-2, or approved equal.

2.7 Fill Material

A. Coarse / Fine Aggregate: Type specified in Section 02200.

2.8 Concrete Mix

A. General: Design mix for the least amount of water consistent with workability and finishing requirements.

B. Mix concrete in accordance with ASTM C94.

C. Mix Proportions:

1. For concrete mixes not containing fly ash, the minimum cement content per cubic yard of concrete shall be as follows.

   a. 5 bags (470 pounds) for 3000 psi concrete.

   b. 6 bags (564 pounds) for 4000 psi concrete.

2. Proportion the fine aggregate between a minimum of 35 percent and a maximum of 45 percent of the total aggregate weight and utilizing the maximum amount of coarse aggregate within the limits that is consistent with the desired workability.

3. Coarse Aggregate: Crushed limestone.

4. Air Content: 4.5 percent - 7.5 percent

5. Maximum Water/Cementitious Material Ratio (W/C): 0.45.

6. 28 Day Compressive Strength: 4000 psi, except for post bases which shall be 3000 psi.

7. For mixes using fly ash, a maximum of 15 percent by weight of the cementitious material may be fly ash.

D. Use accelerating admixtures in cold weather only when approved by Architect/EngineerConstruction Manager.

1. Use of admixtures will not relax cold weather placement requirements.

E. Use set-retarding admixtures during hot weather only when approved by Architect/EngineerConstruction Manager.

F. Add air-entraining agent to concrete mix for concrete work subject to freeze/thaw cycling exposed to exterior.

2.9 Handicapped Parking Signs

A. Handicapped Parking Signs:

1. Sign: 12 inch by 18 inch aluminum reflectorized.

2. Post: C 2 1/2 by 2.27 # Channel2 inch (2-3/8 inch OD) Schedule 40 steel pipe, 12 foot long, galvanized.

2.10 Traffic Signs

A. Standard size, aluminized reflectorized, in accordance with the Manual on Uniform Traffic Control Devices (MUTCO).

B. Posts: Galvanized steel "U-posts" (2 pounds. per ft.), 12 foot long 4 inch by 4 inch pressure-treated wood, 12 foot long.

2.11 Precast Concrete Parking Barriers

A. 6 inches high by 9 inches wide by 7 feet long, reinforced.

2.12 Adjusting Ring

A. Precast, reinforced concrete adjusting rings.

B. Neenah R-1979 series manhole adjusting rings.

3 Execution

3.1 Examination

A. Verify that trench cut excavation base is ready to receive work, and excavations, dimensions, and elevations are as indicated on shop drawings Drawings.

B. Beginning of installation means acceptance of existing conditions.

3.2 Preparation

A. Hand trim excavations to required elevations.

1. Correct over excavation with fill material of fine coarse aggregate lean concrete.

B. Remove large stones or other hard matter which could impede consistent backfilling or compaction.

3.3 Forming

A. Place and secure forms to correct location, dimension, and profile.

B. Assemble formwork to permit easy stripping and dismantling without damaging concrete.

C. Place joint fillers vertical in position, in straight lines.

1. Secure to formwork during concrete placement.

3.4 Installation - Pipe

A. Install pipe, fittings, and accessories in accordance with manufacturer's instructions.

1. Seal joints watertight.

3.5 Placing Concrete

A. Place concrete in accordance with ACI 301.

B. Hot Weather Placement: ACI 301.

C. Cold Weather Placement: ACI 301.

D. Ensure reinforcement, inserts, embedded parts, and formed joints are not disturbed during concrete placement.

E. Place concrete continuously between predetermined construction joints.

1. Do not break or interrupt successive pours such that cold joints occur.

3.6 Finishing Concrete

A. Headwalls and Retaining Walls: Patch any honeycomb or surface imperfections.

1. Rub all exposed surfaces.

B. Exterior Pads: Light broom finish.

C. Place curing compound on exposed concrete surfaces immediately after finishing.

3.7 Handicapped Signs

A. Handicapped Parking Signs: Set bottom of sign 7 feet above grade. Set post in 12 inch diameter by 4 foot deep concrete footing with bottom of post 6 inches above bottom of footing.

3.8 Precast Concrete Parking Barriers

A. Stake barriers with two 5/8 inch round by 2 foot long steel stakes.

3.9 Field Quality Control

A. Field inspection and testing will be performed under provisions of Division 1.

3.10 Concrete Protection

A. Immediately after placement, protect concrete under provisions of Division 1 from premature drying, excessive hot or cold temperatures, and mechanical injury.

END OF SECTION

SECTION 33 30 10.1
SANITARY LIFT STATION

PART 1 - GENERAL

1.01 WORK INCLUDED

A. This work shall include the installation of all equipment, materials, and controls including functionality testing of a sanitary lift station system.

1.02 GENERAL DESCRIPTION

A. The MANUFACTURER shall furnish complete factory-built and tested Wetwell/Drywell Grinder Pump Station(s), each consisting of grinder pump(s) suitably mounted in a basin constructed of polyethylene (HDPE) for simplex stations and polyethylene or Fiberglass Reinforced Polyester Resin for duplex stations with dimensions and capacities as show on the Contract Drawings, NEMA 6P electrical quick disconnect (EQD), pump removal system, stainless steel discharge assembly/shut-off valve, anti-siphon valve/check valve, each assembled in the basin, electrical alarm panel and all necessary internal wiring and controls.

B. Component type grinder pump systems that require field assembly will not be acceptable due to the potential problems that can occur during field assembly.

C. All components and materials shall be in accordance with PART 2 - PRODUCTS Specification Section. For ease of serviceability, all pump, motor/grinder units shall be of like type and horsepower throughout the system.

1.03 SUBMITTALS

A. After receipt of notice to proceed, the MANUFACTURER shall furnish a minimum of six sets of shop drawings detailing the equipment to be furnished including dimensional data and materials of construction. The ENGINEER shall promptly review this data, and return two copies as accepted, or with requested modifications. Upon receipt of accepted shop drawings, the MANUFACTURER shall proceed immediately with fabrication of the equipment.

1.04 MANUFACTURER

A. Grinder pump stations, complete with all appurtenances, form an integral system, and as such, shall be supplied by one grinder pump station manufacturer. The CONTRACTOR shall be responsible for the satisfactory operation of the entire system. The equipment specified shall be a product of a company experienced in the design and manufacture of grinder pumps for specific use in low pressure sewage systems. The company shall submit detailed installation and user instructions for its product, submit evidence of an established service program including complete parts and service manuals, and be responsible for maintaining a continuing inventory of grinder pump replacement parts.

B. The MANUFACTURER shall provide, upon request, a reference and contact list from ten of its largest contiguous grinder pump installations of the type of grinder pumps described within this specification.

C. The MANUFACTURER of the grinder pump station shall be Environment One Corporation (or approved equal).

D. Attention is directed to the fact that the drawings and overall system design are based on a particular piece of equipment from a particular manufacturer. These specifications are intended to provide guidelines for standard equipment of a recognized manufacturer who already meets all the requirements of this specification.

1.05 ALTERNATE EQUIPMENT

A. In the event that the CONTRACTOR or another supplier proposes an Alternate to the specified MANUFACTURER, the ENGINEER recognizes that it will be difficult to conform to certain details of this Specification due to different manufacturing techniques or grinder pump station designs. If proposing an Alternate, the CONTRACTOR (supplier) must submit, no less than 15 business days in advance of the bid date, a complete description of any changes that will be necessary to the system design, a complete submittal package as outlined in Section 1.03 SUBMITTALS, a system hydraulic analysis based on the proposed pump (including pipe sizes, flows, velocities, retention times and number and location of recommended valves and cleanouts, if any), a list of exceptions to this specification, and demonstration of compliance to Section 1.06 EXPERIENCE CLAUSE of this specification. The CONTRACTOR (supplier) must also complete the Manufacturer Disclosure Statement found at the end of this specification. This information must be submitted to the ENGINEER for pre-approval of the alternate equipment being proposed and determination of compliance with these Contract Documents. If the equipment differs materially or differs from the dimensions given on the Drawings, the CONTRACTOR (supplier) shall submit complete drawings showing elevations, dimensions, or any necessary changes to the Contract Documents for the proposed equipment and its installation. Pre-approval, if granted, will be provided in writing by the ENGINEER to the CONTRACTOR (supplier) at least five business days in advance of the bid date. If the ENGINEER'S approval is obtained for Alternate Equipment, the CONTRACTOR (supplier) must make any needed changes in the structures, system design, piping or electrical systems necessary to accommodate the proposed equipment at the expense of the CONTRACTOR (supplier).

1.06 EXPERIENCE CLAUSE

A. The equipment furnished hereunder shall be the product of a company experienced in the design and manufacture of grinder pumps specifically designed for use in low pressure systems. All manufacturers proposing equipment for this project shall have at least 10 years of experience in the design and manufacture of units of identical size(s) and performance to the specified units. All manufacturers proposing equipment for this project must also have not less than 500 successful installations of low pressure sewer systems utilizing grinder pumps of like type to the grinder pumps specified herein. An installation is defined as a minimum of 25 pumps discharging into a common force main which forms a low pressure sewer system. The CONTRACTOR (supplier) proposing alternate equipment shall also submit, as part of the bid schedule, an installation list with contact person(s), phone number(s) and date(s) of at least 10 installations of the type of pump specified herein that have been in operation for at least 10 years.

B. In lieu of this experience clause, the CONTRACTOR (supplier) of alternate equipment will be required to submit a 5-year performance bond for 100 percent of the stipulated cost of the equipment as bid and as shown in the Bid Schedule. This performance bond will be used to guarantee the replacement of the equipment in the event that it fails within the bond period.

1.07 OPERATING CONDITIONS

A. The pumps shall be capable of delivering 15 GPM against a rated total dynamic head of 0 feet (0 PSIG), 11 GPM against a rated total dynamic head of 92 feet (40 PSIG), and 7.8 GPM against a rated total dynamic head of 185 feet (80 PSIG). The pump(s) must also be capable of operating at negative total dynamic head without overloading the motor(s). Under no conditions shall in-line piping or valving be allowed to create a false apparent head.

1.08 WARRANTY

A. The grinder pump **MANUFACTURER** shall provide a part(s) and labor warranty on the complete station and accessories, including, but not limited to, the panel for a period of 24 months after notice of **OWNER'S** acceptance, but no greater than 27 months after receipt of shipment. Any manufacturing defects found during the warranty period will be reported to the **MANUFACTURER** by the **OWNER** and will be corrected by the **MANUFACTURER** at no cost to the **OWNER**.

1.09 WARRANTY PERFORMANCE CERTIFICATION

A. As a bid certification requirement, each bidder shall provide with their bid schedule a Warranty Performance Certification statement executed by the most senior executive officer of the grinder pump MANUFACTURER, which certifies a minimum of a 24-month warranty. They must further detail any exclusions from the warranty or additional cost items required to maintain the equipment in warrantable condition, including all associated labor and shipping fees, and certify that the MANUFACTURER will bear all costs to correct any original equipment deficiency for the effective period of the warranty. All preventive maintenance type requirements shall be included in this form as exclusions. These requirements include, but are not limited to, unjamming of grinder mechanism, periodic motor maintenance, and periodic cleaning of liquid level controls. Should the CONTRACTOR (supplier) elect to submit a performance bond in lieu of the experience clause outlined above, this Warranty Performance Certification shall also be used as a criterion to evaluate the CONTRACTOR'S (supplier's) performance over the warranty period. A Warranty Performance Certification form is included with the bid schedule and must be completed and submitted as part of the bid package. Bids with incomplete forms or missing forms will be considered nonresponsive.

1.10 RELATED SECTIONS

A. 31 23 16: Excavation
B. 31 23 23: Fill
C. 33 05 61: Concrete Manholes

PART 2 - PRODUCTS

2.01 MATERIALS

A. **PUMP:** The pump shall be a custom designed, integral, vertical rotor, motor driven, solids handling pump of the progressing cavity type with a single mechanical seal. Double radial O-ring seals are required at all pump, motor, and control housing joints to minimize corrosion and create a protective barrier. Unit housings constructed of cast iron shall be fully epoxy coated to 8-10 mil Nominal dry thickness, wet applied. Housings not constructed of cast iron shall be injection molded from thermoplastic composite materials specifically selected for excellent corrosion resistance, high impact strength and superior resistance to UV degradation. The rotor shall be through-hardened, highly polished, precipitation hardened stainless steel. The stator shall be of a specifically compounded ethylene propylene synthetic elastomer. This material shall be suitable for domestic wastewater service. Its physical properties shall include high tear and abrasion resistance, grease resistance, water and detergent resistance, temperature stability, excellent aging properties, and outstanding wear resistance. Buna-N is not acceptable as a stator material because it does not exhibit the properties as outlined above and required for wastewater service.

B. **GRINDER:**

1. The grinder shall be placed immediately below the pumping elements and shall be direct-driven by a single, one-piece motor shaft. The grinder impeller (cutter wheel) assembly shall be securely fastened to the pump motor shaft by means

of a threaded connection attaching the grinder impeller to the motor shaft. Attachment by means of pins or keys will not be acceptable. The grinder impeller shall be a one-piece, 4140 cutter wheel of the rotating type with inductively hardened cutter teeth. The cutter teeth shall be inductively hardened to Rockwell 50 – 60c for abrasion resistance. The shredder ring shall be of the stationary type and the material shall be white cast iron. The teeth shall be ground into the material to achieve effective grinding. The shredder ring shall have a staggered tooth pattern with only one edge engaged at a time, maximizing the cutting torque. These materials have been chosen for their capacity to perform in the intended environment as they are materials with wear and corrosive resistant properties.

2. This assembly shall be dynamically balanced and operate without objectionable noise or vibration over the entire range of recommended operating pressures. The grinder shall be constructed so as to minimize clogging and jamming under all normal operating conditions including starting. Sufficient vortex action shall be created to scour the tank free of deposits or sludge banks which would impair the operation of the pump. These requirements shall be accomplished by the following, in conjunction with the pump:
   a. The grinder shall be positioned in such a way that solids are fed in an upward flow direction.
   b. The maximum flow rate through the cutting mechanism must not exceed 4 feet per second. This is a critical design element to minimize jamming and as such must be adhered to.
   c. The inlet shroud shall have a diameter of no less than 5 inches. Inlet shrouds that are less than 5 inches in diameter will not be accepted due to their inability to maintain the specified 4 feet per second maximum inlet velocity which by design prevents unnecessary jamming of the cutter mechanism and minimizes blinding of the pump by large objects that block the inlet shroud.
   d. The impeller mechanism must rotate at a nominal speed of no greater than 1800 rpm.

C. The grinder shall be capable of reducing all components in normal domestic sewage, including a reasonable amount of “foreign objects,” such as paper, wood, plastic, glass, wipes, rubber and the like, to finely-divided particles which will pass freely through the passages of the pump and the 1-1/4" diameter stainless steel discharge piping.

D. **ELECTRIC MOTOR:** As a maximum, the motor shall be a 1 HP, 1725 RPM, 240 Volt 60 Hertz, 1 Phase, capacitor start, ball bearing, air-cooled induction type with Class F insulation, low starting current not to exceed 30 amperes and high starting torque of 8.4 foot pounds. The motor shall be press-fit into the casting for better heat transfer and longer winding life. Inherent protection against running overloads or locked rotor conditions for the pump motor shall be provided by the use of an automatic-reset, integral thermal overload protector incorporated into the motor. The motor protector shall be specifically investigated and listed by Underwriters Laboratories Inc. for the application. Non-capacitor start motors or permanent split capacitor motors will not be accepted because of their reduced starting torque and consequent diminished grinding capability. The wet portion of the motor armature must be 300 Series stainless steel. To reduce the potential of environmental concerns, the expense of handling and disposing of oil, and the associated maintenance costs, oil-filled motors will not be accepted. Pump operation during instances of potentially damaging high current or low voltage conditions shall be inhibited by an in-pump electrical monitoring system that has been investigated and listed by Underwriters Laboratories Inc. for the application. Motor start shall be controlled by a

DC driven electromechanical relay integrated within the control compartment of the pump. Electrical monitoring shall ensure the relay operates reliably. AC Mechanical contactors for motor start are susceptible to damage from short cycling and will not be accepted.

E. **MECHANICAL SEAL:** The pump/core shall be provided with a mechanical shaft seal to prevent leakage between the motor and pump. The seal shall have a stationary ceramic seat and carbon rotating surface with faces precision lapped and held in position by a stainless steel spring.

F. **TANK & INTEGRAL ACCESSWAY:**

1. The tank shall be a Wetwell/Drywell design made of polyethylene, with a grade selected to provide the necessary environmental stress cracking resistance. Corrugated sections are to be made of a double wall construction with the internal wall being generally smooth to promote scouring. The corrugations of the outside wall are to be a minimum amplitude of 1-1/2" to provide necessary transverse stiffness. Any incidental sections of a single wall construction are to be 0.250” thick (minimum). All seams created during tank construction are to be thermally welded and factory tested for leak tightness. The tank wall and bottom must withstand the pressure exerted by saturated soil loading at maximum burial depth. All station components must function normally when exposed to 150 percent of the maximum external soil and hydrostatic pressure.
2. The tank shall be furnished with one EPDM grommet fitting to accept a 4.50" OD DWV or Schedule 40 pipe. The tank capacities shall be as shown on the contract drawings.
3. The Drywell accessway shall be an integral extension of the Wetwell assembly and shall include a lockable cover assembly providing low profile mounting and watertight capability. The cover shall be high density polyethylene, green in color, with a load rating of 150 lbs per square foot. The accessway design and construction shall enable field adjustment of the station height in increments of 4" or less without the use of any adhesives or sealants requiring cure time before installation can be completed.
4. The station shall have all necessary penetrations molded in and factory sealed. To ensure a leak free installation no field penetrations will be acceptable.
5. All discharge piping shall be constructed of 304 stainless steel. The discharge shall terminate outside the accessway bulkhead with a stainless steel, 1-1/4” Female NPT fitting. The discharge piping shall include a stainless steel ball valve rated for 235 psi WOG; PVC ball valves or brass ball/gate will not be accepted. The bulkhead penetration shall be factory installed and warranted by the manufacturer to be watertight.
6. The accessway shall include a single NEMA 6P Electrical Quick Disconnect (EQD) for all power and control functions, factory installed with accessway penetrations warranted by the manufacturer to be watertight. The EQD will be supplied with 32’, 25’ of useable Electrical Supply Cable (ESC) outside the station, to connect to the alarm panel. The ESC shall be installed in the basin by the manufacturer. Field assembly of the ESC into the basin is not acceptable because of potential workmanship issues. The EQD shall require no tools for connecting, seal against water before the electrical connection is made, and include radial seals to assure a watertight seal regardless of tightening torque. Plug-type connections of the power cable onto the pump housing will not be acceptable due to the potential for leaks and electrical shorts. A junction box shall not be permitted in the accessway due to the large number of potential leak points. The EQD shall be so designed to be conducive to field wiring as

required. The accessway shall also include an integral 2-inch vent to prevent sewage gases from accumulating in the tank.

G. **CHECK VALVE:** The pump discharge shall be equipped with a factory installed, gravity operated, flapper-type integral check valve built into the stainless steel discharge piping. The check valve will provide a full-ported passageway when open, and shall introduce a friction loss of less than 6 inches of water at maximum rated flow. Moving parts will be made of a 300 Series stainless steel and fabric reinforced synthetic elastomer to ensure corrosion resistance, dimensional stability, and fatigue strength. A nonmetallic hinge shall be an integral part of the flapper assembly providing a maximum degree of freedom to assure seating even at a very low back-pressure. The valve body shall be an injection molded part made of a thermoplastic composite resin. The valve shall be rated for continuous operating pressure of 235 psi. Ball-type check valves are unacceptable due to their limited sealing capacity in slurry applications.

H. **ANTI-SIPHON VALVE:** The pump discharge shall be equipped with a factory-installed, gravity-operated, flapper-type integral anti-siphon valve built into the stainless steel discharge piping. Moving parts will be made of 300 Series stainless steel and fabric-reinforced synthetic elastomer to ensure corrosion resistance, dimensional stability, and fatigue strength. A nonmetallic hinge shall be an integral part of the flapper assembly, providing a maximum degree of freedom to ensure proper operation even at a very low pressure. The valve body shall be injection-molded from a thermoplastic composite resin. Holes or ports in the discharge piping are not acceptable anti-siphon devices due to their tendency to clog from the solids in the slurry being pumped. The anti-siphon port diameter shall be no less than 60% of the inside diameter of the pump discharge piping.

I. **CORE UNIT:** The grinder pump station shall have a cartridge type, easily removable core assembly consisting of pump, motor, grinder, all motor controls, check valve, anti-siphon valve, level controls, electrical quick disconnect and wiring. The core unit shall be installed in the basin by the manufacturer. Field assembly of the pump and controls into the basin is not acceptable because of potential workmanship issues and increased installation time. In some cases, stations taller than 96” may be shipped on their side without the cores assembled in the basin for freight purposes but this is the only exception. The core unit shall seal to the tank deck with a stainless steel latch assembly. The latch assembly must be actuated utilizing a single quick release mechanism requiring no more than a half turn of a wrench. The watertight integrity of each core unit shall be established by a 100 percent factory test at a minimum of 5 PSIG.

J. **CONTROLS:**

1. All necessary motor starting controls shall be located in the core unit. Locating the motor starting controls in a separate enclosure is not acceptable. The wastewater level sensing controls shall be housed in a separate enclosure from motor starting controls. The level sensor housing must be sealed via a radial type seal; solvents or glues are not acceptable. The level sensing control housing must be integrally attached to pump assembly so that it may be removed from the station with the pump and in such a way as to minimize the potential for the accumulation of grease and debris accumulation, etc. The level sensing housing must be constructed from a high-impact thermoplastic composite. The use of PVC for the level sensing housing is not acceptable.
2. Non-fouling wastewater level controls for controlling pump operation shall be accomplished by monitoring the pressure changes in an integral air column connected to a pressure switch. The air column shall be molded from a thermoplastic composite suitable for use in wastewater and with excellent impact resistance. The air column shall have only a single connection between the water level being monitored and the pressure switch. Any connections are

to be sealed radially with redundant O-rings. The level detection device shall have no moving parts in direct contact with the wastewater and shall be integral to the pump core assembly in a single, readily-exchanged unit. Depressing the push to run button must operate the pump even with the level sensor housing removed from the pump.

3. All fasteners throughout the assembly shall be 300 Series stainless steel. High-level sensing will be accomplished in the manner detailed above by a separate air column sensor and pressure switch of the same type. Closure of the high-level sensing device will energize an alarm circuit as well as a redundant pump-on circuit. For increased reliability, pump ON/OFF and high-level alarm functions shall not be controlled by the same switch. Float switches of any kind, including float trees, will not be accepted due to the periodic need to maintain (rinsing, cleaning) such devices and their tendency to malfunction because of incorrect wiring, tangling, grease buildup, and mechanical cord fatigue. To assure reliable operation of the pressure switches, each core shall be equipped with a factory installed equalizer diaphragm that compensates for any atmospheric pressure or temperature changes. Tube or piping runs outside of the station tank or into tank-mounted junction boxes providing pressure switch equalization will not be permitted due to their susceptibility to condensation, kinking, pinching, and insect infestation. The grinder pump will be furnished with a 6 conductor 14 gauge, type SJOW cable, pre-wired and watertight to meet UL requirements with a FACTORY INSTALLED NEMA 6P EQD half attached to it.

K. **STAINLESS STEEL CURB STOP/CHECK VALVE ASSEMBLY (UNI-LATERAL):**

1. The curb stop shall be pressure-tight in both directions. The ball valve actuator shall include position stop features at the fully opened and closed positions. The curb stop/check valve assembly shall be designed to withstand a working pressure of 235 psi.
2. The stainless steel check valve shall be integral with the curb stop valve. The check valve will provide a full-ported 1-1/4” passageway and shall introduce minimal friction loss at maximum rated flow. The flapper hinge design shall provide a maximum degree of freedom and ensure seating at low back pressure.
3. Thermoplastic Composite Fittings – All plastic fitting components are to be in compliance with applicable ASTM standards.
4. All pipe connections shall be made using compression fitting connections including a Buna-N O-ring for sealing to the outside diameter of the pipe. A split-collet locking device shall be integrated into all pipe connection fittings to securely restrain the pipe from hydraulic pressure and external loading caused by shifting and settling.
5. Curb Boxes – Curb boxes shall be constructed of ABS, conforming to ASTM-D 1788. Lid top casting shall be cast iron, conforming to ASTM A-48 Class 25, providing magnetic detectability, and be painted black. All components shall be inherently corrosion-resistant to ensure durability in the ground. Curb boxes shall provide height adjustment downward (shorter) from their nominal height.
6. High Density Polyethylene Pipe (Supplied by others) – Pipe shall be have a working pressure of 160 psi minimum and shall be classified SDR per ASTM D 3035.
7. Pipe Dimensions – The SDR (Standard Dimension Ratio) of the pipe supplied shall be as specified by the SPECIFYING ENGINEER. SDR 7, 9 and 11 fittings are available from the MANUFACTURER.

8. Factory Test – The stainless steel, combination curb stop/check valve component shall be 100 percent hydrostatically tested to 150 psi in the factory.
9. Construction Practices – Pipe shall be stored on clean, level ground to prevent undue scratching or gouging of the pipe. If the pipe must be stacked for storage, such stacking should be in accordance with the pipe manufacturer's recommendations. The pipe should be handled in such a manner that it is not damaged by being dragged over sharp objects or cut by chokers or lifting equipment.
10. Segments of pipe having cuts or gouges in excess of 10 percent of the wall thickness of the pipe shall be cut out and removed. The undamaged portions of the pipe shall be rejoined using the butt fusion joining method. Sections of polyethylene pipe should be joined into continuous lengths on the job site above ground. The joining method shall be the butt-fusion method and shall be performed in strict accordance with the pipe manufacturer's recommendations. The butt-fusion equipment used in the joining procedure shall be capable of meeting all conditions recommended by the pipe manufacturer, including, but not limited to, fusion temperature, alignment, and fusion pressure.
11. Fused segments of pipe shall be handled so as to avoid damage to the pipe. When lifting fused sections of pipe, chains or cable-type chokers should be avoided. Nylon slings are preferred. Spreader bars should be used when lifting long, fused sections. Care should be exercised to avoid cutting or gouging the pipe.
12. Installation – Assemble the compression fittings according to the fitting manufacturer's recommendations.
13. The trench and trench bottom should be constructed in accordance with ASTM D 2321. Embedment materials should be Class I, Class II or Class III materials as defined in ASTM D 2321. The use of Class IV and/or Class V materials for embedment is not recommended and should be allowed only with the approval of the SPECIFYING ENGINEER. Bedding of the pipe should be performed in accordance with ASTM D 2321. Compaction should be as specified in ASTM D 2321. Deviations from the specified compaction shall be approved by the SPECIFYING ENGINEER.
14. Haunching and initial backfill should be as specified in ASTM D 2321 using Class I, Class II or Class III materials. Materials used and compaction shall be as specified by the SPECIFYING ENGINEER. In cases where a compaction of 85 percent Standard Proctor Density is not attainable, the SPECIFYING ENGINEER may wish to increase the SDR of the pipe to provide adequate stiffness. ASTM D 2321 sections titled "Minimum Cover for Load Application," "Use of Compaction Equipment" and "Removal of Trench Protection" should apply unless directed otherwise by the SPECIFYING ENGINEER.

L. **ALARM PANEL:**

1. Each grinder pump station shall include a NEMA 4X, UL-listed alarm panel suitable for wall or pole mounting. The NEMA 4X enclosure shall be manufactured of thermoplastic composite to ensure corrosion resistance. The enclosure shall include a hinged, lockable cover with padlock, preventing access to electrical components, and creating a secured safety front to allow access only to authorized personnel. The enclosure shall not exceed 10.5" W x 14" H x 7" D, or 12.5" W x 16" H x 7.5" D if certain options are included.
2. The alarm panel shall contain one 15-amp, double-pole circuit breaker for the pump core's power circuit and one 15-amp, single-pole circuit breaker for the

alarm circuit. The panel shall contain a push-to-run feature, an internal run indicator, and a complete alarm circuit. All circuit boards in the alarm panel are to be protected with a conformal coating on both sides and the AC power circuit shall include an auto resetting fuse.

3. The alarm panel shall include the following features: external audible and visual alarm; push-to-run switch; push-to-silence switch; redundant pump start; and high level alarm capability. The alarm sequence is to be as follows when the pump and alarm breakers are on:
   a. When liquid level in the sewage wet-well rises above the alarm level, the contacts on the alarm pressure switch activate, audible and visual alarms are activated, and the redundant pump starting system is energized.
   b. The audible alarm may be silenced by means of the externally mounted, push-to-silence button.
   c. Visual alarm remains illuminated until the sewage level in the wet-well drops below the "off" setting of the alarm pressure switch.
4. The visual alarm lamp shall be inside a red, oblong lens at least 3.75" L x 2.38" W x 1.5" H. Visual alarm shall be mounted to the top of the enclosure in such a manner as to maintain NEMA 4X rating. The audible alarm shall be externally mounted on the bottom of the enclosure, capable of 93 dB @ 2 feet. The audible alarm shall be capable of being deactivated by depressing a push-type switch that is encapsulated in a weatherproof silicone boot and mounted on the bottom of the enclosure (push-to-silence button).
5. The entire alarm panel, as manufactured and including any of the following options shall be listed by Underwriters Laboratories, Inc.
6. ~~(OPTIONAL) Alarm Contacts Package~~
   ~~a. Alarm Activated Dry Contacts – Normally open relay contact closes upon alarm activation.~~
   ~~b. Alarm Activated Contacts for Remote Sentry Indoor Alarm Module – Will work with or without power to the alarm panel and is designed to work with E/One's Remote Sentry.~~
7. ~~(OPTIONAL)~~ Generator Receptacle and Auto Transfer – The alarm panel shall include a 20 amp, 250 VAC generator receptacle with a spring-loaded, gasketed cover suitably mounted to provide access for connection of an external generator while maintaining a NEMA 4X rating. An automatic transfer switch shall be provided, which automatically switches from AC power to generator power. Power shall be provided to that alarm panel through the generator receptacle whenever power is present at the receptacle, allowing the audible and visual alarms to function normally in generator mode. When power is no longer applied to the generator receptacle, the panel is automatically switched back to the AC Mains power. (No manual switching within the panel enclosure is necessary to switch from generator power back to AC Mains, so the mode cannot be inadvertently left in the generator position after pumping down the station in generator mode as is the case with a manual transfer switch).
8. ~~(OPTIONAL) Service Equipment/Main Service Disconnect Breaker – A separate, internal breaker rated and approved for use as "service equipment" and acts as a main service disconnect of the grinder pump station shall be provided.~~
9. ~~(OPTIONAL) Remote Sentry Indoor Alarm Module – A separate, remote indoor alarm module shall be provided to indicate a high level alarm with or without AC power to the grinder pump station. The Remote Sentry indoor alarm module shall have an internal power source enabling its continued operation~~

without AC power. The Remote Sentry shall have an audible alarm and a visual alarm, both of which shall automatically reset if the high level alarm condition is eliminated. The Remote Sentry indoor alarm module shall include a Silence button for the audible alarm and a Test button.

10. (OPTIONAL) Run-time/Hour Meter – A run-time or hour meter to display the total run-time or operation time for the pump core shall be provided.
11. (OPTIONAL) Event/Cycle Counter – An event or cycle counter to display the number of operations of the pump core shall be provided.
12. (OPTIONAL) SENTRY SIMPLEX PROTECT
    a. Provides protection from the following operating conditions:
    b. Low Voltage (Brownout) Protection – A lockout cycle will prevent the motor from operating and will illuminate an LED if:
        1) the incoming AC Mains voltage drops below a predetermined minimum, typically 12% of nameplate (211 volts for a 240 volt system) for 2 to 3 seconds, regardless of whether the motor is running
        2) the lockout cycle will end if the incoming AC Mains voltage returns to a predetermined value, typically 10% of nameplate (216 volts for a 240 volt system)
    c. The system continues to retest the voltage every second indefinitely. If the lockout cycle has been initiated and the voltage comes back above the predetermined starting voltage, the system will function normally. The LED remains illuminated during a Brownout condition and remains latched until the pump breaker is turned off and then on again (reset). The audible and visual alarm will not be activated unless there is a high wastewater level in the tank.
    d. Run Dry Protection – A 20-minute lockout cycle will prevent the motor from operating and will illuminate an LED when the wastewater level in the tank is below the pump inlet level. The condition is rechecked every 20 minutes. If the lockout cycle has been initiated and the condition is satisfied, the pump is not allowed to cycle normally but the LED remains latched. The LED will remain latched until the pump breaker is turned off and then on again (reset). If the condition is not satisfied after 3 consecutive attempts, the visual alarm will be activated until the pump breaker is turned off and on (reset) or until there is one cycle of normal operation. If a high level condition is presented at any time, a pump run cycle will be activated.
    e. High System Pressure Protection – A 20-minute lockout cycle will prevent the motor from operating and will illuminate an LED when the pressure in the discharge line is atypically high (closed valve or abnormal line plug). The condition is rechecked every 20 minutes. If the condition is satisfied, the pump is allowed to cycle normally but the LED remains latched. If the condition is not satisfied after 3 consecutive attempts, the pump is locked out indefinitely until the condition is removed and power is reset. The LED will remain latched until the pump breaker is turned off and then on again (reset). The audible and visual alarm will be activated.
    f. In all of the above cases, if more than one error condition is presented, the LED depicting the most recent error condition will be displayed.
    g. Other included features:

1) Alarm Activated Dry Contacts – Normally open relay contact closes upon alarm activation.
2) Alarm Activated Contacts for Remote Indoor Alarm Module – Will work with or without power to the alarm panel and is designed to work with E/One's Remote Sentry.
3) Includes Inner Door Dead Front
4) Separate LED's for each condition

13. (OPTIONAL) SENTRY SIMPLEX PROTECT PLUS:
a. All Sentry Protect features (as detailed above)
b. High/Low Voltage monitoring with Trouble indication
c. High/Low Wattage (wattage is used instead of current because it is a better indicator of pump performance) monitoring with Trouble indication
d. Extended Run Time monitoring with Trouble indication
e. Cycle/Event Counter
f. Run Time Counter (Hour Meter)
g. Run Time Limit — time adjustable, user-selected options: 10 minutes (default) to 120 minutes in 1-minute intervals
h. Power-up Delay — time adjustable, user-selected options: None (default), to 300 minutes in 1-minute intervals
i. Alarm Delay — time adjustable, user-selected options: None (default) or adjustable in 1-minute intervals
j. System self-test diagnostic
k. User-selectable Alarm latch
l. User-selectable Protect Mode disable
m. User-selectable buzzer timer
n. Specific Protect PLUS indicators and programming features shall include:
1) Ready LED to indicate AC power to the station is satisfactory
2) Pump Run LED to indicate pump is operating
3) Trouble LED indicator and predictive Visual Alarm notification ("blinking" alarm lamp; clears on Normal cycle)
4) High Level Alarm LED indicator
5) Manual Run switch to manually activate pump
6) Menu-driven programmable controller with navigation overlay-type buttons (Enter, Scroll, Up, Down)
7) Normal Operation LED and Mode button for Mode status
8) Pump Performance menu LED with LCD Display of the following pump performance statistics:
a) Real-time Voltage
b) Real-time Amperage
c) Real-time Wattage
d) Minimum/Maximum/Average Voltage
e) Minimum/Maximum/Average Amperage
f) Minimum/Maximum/Average Wattage
g) Minimum/Maximum Run-time
h) Average Run-time
i) Last Run-time
j) Cycle/Event Counter
k) Run Time Counter (Hour Meter)
o. Diagnostics Menu LED

~~p. Initialize System Menu LED~~
~~q. Run Limit Menu LED~~
~~r. Alarm Delay Menu LED~~
~~s. Power Delay Menu LED~~

M. **TRANSFORMER, BUCK BOOST:**

1. Transformer, Buck Boost shall be E/One PT No. PA219P03. Any alternatives shall be approved by E/One Sewer Systems. Contractor shall provide proof of acceptance when submitting any alternatives.
2. Transformer, Buck Boost shall include the following features:
   a. Line – 120 x 240 Vac
   b. Load – 16/32 Vac
   c. Single Phase, 0.75kVA
   d. 100 degree rise, Copper
   e. Buck Boost Application
   f. No Electrostatic Shield
   g. QB, 60Hz

2.02 SERVICEABILITY

A. The grinder pump core, including level sensor assembly, shall have two lifting hooks complete with lift-out harness connected to its top housing to facilitate easy core removal when necessary. The level sensor assembly must be easily removed from the pump assembly for service or replacement. All mechanical and electrical connections must provide easy disconnect capability for core unit removal and installation. Each EQD half must include a water-tight cover to protect the internal electrical pins while the EQD is unplugged. A pump push-to-run feature will be provided for field trouble shooting. The push-to-run feature must operate the pump even if the level sensor assembly has been removed from the pump assembly. All motor control components shall be mounted on a readily replaceable bracket for ease of field service.

2.03 OSHA CONFINED SPACE

A. All maintenance tasks for the grinder pump station must be possible without entry into the grinder pump station (as per OSHA 1910.146, permit-required confined spaces). “Entry means the action by which a person passes through an opening into a permit-required confined space. Entry includes ensuing work activities in that space and is considered to have occurred as soon as any part of the entrant’s body breaks the plane of an opening into the space.”

2.04 SAFETY

A. The grinder pump shall be free from electrical and fire hazards as required in a residential environment. As evidence of compliance with this requirement, the completely assembled and wired grinder pump station shall be listed by Underwriters Laboratories, Inc. to be safe and appropriate for the intended use. UL listing of components of the station, or third-party testing to UL standard are not acceptable.

B. The grinder pump shall meet accepted standards for plumbing equipment for use in or near residences, shall be free from noise, odor, or health hazards, and shall have been tested by an independent laboratory to certify its capability to perform as specified in either individual or low pressure sewer system applications. As evidence of compliance with this requirement, the grinder pump shall bear the seal of NSF International. Third-party testing to NSF standard is not acceptable.

PART 3 - EXECUTION

3.01 FACTORY TEST

A. Each grinder pump shall be submerged and operated for 1.5 minutes (minimum). Included in this procedure will be the testing of all ancillary components such as, the anti-siphon valve, check valve, discharge assembly and each unit's dedicated level controls and motor controls. All factory tests shall incorporate each of the above listed items. Actual appurtenances and controls which will be installed in the field shall be particular to the tested pump only. A common set of appurtenances and controls for all pumps is not acceptable. Certified test results shall be available upon request showing the operation of each grinder pump at two different points on its curve. Additional validation tests include: integral level control performance, continuity to ground and acoustic tests of the rotating components.

B. The ENGINEER reserves the right to inspect such testing procedures with representatives of the OWNER, at the GRINDER PUMP MANUFACTURER'S facility.

C. All completed stations shall be factory leak tested to assure the integrity of all joints, seams and penetrations. All necessary penetrations such as inlets, discharge fittings and cable connectors shall be included in this test along with their respective sealing means (grommets, gaskets etc.).

3.02 CERTIFIED SERVICE PROGRAM

A. The grinder pump MANUFACTURER shall provide a program implemented by the MANUFACTURER'S personnel as described in this specification to certify the service company as an authorized serviced center. As evidence of this, the MANUFACTURER shall provide, when requested, sufficient evidence that they have maintained their own service department for a minimum of 30 years and currently employ a minimum of five employees specifically in the service department.

B. As part of this program, the MANUFACTURER shall evaluate the service technicians as well as the service organization annually. The service company will be authorized by the MANUFACTURER to make independent warranty judgments. The areas covered by the program shall include, as a minimum:

1. Pump Population Information — The service company will maintain a detailed database for the grinder pumps in the territory that tracks serial numbers by address.
2. Inventory Management — The service company must maintain an appropriate level of inventory (pumps, tanks, panels, service parts, etc.) including regular inventory review and proper inventory labeling. Service technicians will also maintain appropriate parts inventory and spare core(s) on service vehicles.
3. Service Personnel Certification — Service technicians will maintain their level-specific certification annually. The certifications are given in field troubleshooting, repair, and training.
4. Service Documentation and Records — Start up sheets, service call records, and customer feedback will be recorded and available by the service company.
5. Shop Organization — The service company will keep its service shop organized and pumps will be tagged with site information at all times. The shop will have all required equipment, a test tank, and cleaning tools necessary to service pumps properly.

3.03 DELIVERY

A. All grinder pump units will be delivered to the job site 100 percent completely assembled, including testing, ready for installation. Field installation of the pump in tanks under 96 inches is not allowed. Field installation of the level sensor into the tank is not allowed. Grinder pump stations will be individually mounted on wooden pallets.

3.04 INSTALLATION

A. Earth excavation and backfill are specified under Earthwork, but are also to be done as a part of the work under this section, including any necessary sheeting and bracing.

B. The CONTRACTOR shall be responsible for handling ground water to provide a firm, dry subgrade for the structure, and shall guard against flotation or other damage resulting from general water or flooding.

C. The grinder pump stations shall not be set into the excavation until the installation procedures and excavation have been approved by the ENGINEER.

D. Remove packing material. User instructions MUST be given to the OWNER. Hardware supplied with the unit, if required, will be used at installation. The basin will be supplied with a standard 4" inlet grommet (4.50" OD) for connecting the incoming sewer line. Appropriate inlet piping must be used. The basin may not be dropped, rolled or laid on its side for any reason.

E. Installation shall be accomplished so that 1 inch to 4 inches of accessway, below the bottom of the lid, extends above the finished grade line. The finished grade shall slope away from the unit. The diameter of the excavated hole must be large enough to allow adequate clearance for field connections, backfill installation and compaction.

F. A 6" inch (minimum) layer of naturally rounded aggregate, clean and free flowing, with particle size of not less than 1/8" or more than 3/4" shall be used as bedding material under each unit.

G. A concrete anti-flotation collar, as detailed on and sized according to the manufacturer's instructions, shall be required and shall be pre-cast to the grinder pump tank or poured in place. Each grinder pump station with its pre-cast anti-flotation collar shall have a minimum of three lifting eyes for loading and unloading purposes. All Model DH071 tanks have been designed such that a concrete anti-flotation collar is not required. Other D-Series Models may require an anti-flotation collar.

H. The CONTRACTOR will provide and install a 4-foot piece of 4-inch SCH 40 PVC pipe with water tight cap, to stub-out the inlet for the property owners' installation contractor, as depicted on the contract drawings.

I. E/One requires that an E/One Uni-Lateral assembly (E/One part number NB0184PXX or NC0193GXX) or E/One Redundant Check Valve (E/One part number PC0051GXX) be installed in the pipe lateral outside the home between the pump discharge and the street main on all installations.

J. The electrical enclosure shall be furnished, installed and wired to the grinder pump station by the CONTRACTOR. An alarm device is required on every installation, there shall be NO EXCEPTIONS. It will be the responsibility of the CONTRACTOR and the ENGINEER to coordinate with the individual property owner(s) to determine the optimum location for the Alarm Panel.

K. The CONTRACTOR shall mount the alarm device in a conspicuous location, as per national and local codes. The alarm panel will be connected to the grinder pump station by a length of 6-conductor type TC cable as shown on the contract drawings. The power and alarm circuits must be on separate power circuits. The grinder pump stations will be provided with 32 feet, 25 feet of useable, electrical supply cable to connect the station to the alarm panel. This cable shall be supplied with a FACTORY INSTALLED EQD half to connect to the mating EQD half on the core.

L. The CONTRACTOR shall install the wiring of the supply panel and alarm panel per the alarm panel wiring diagrams included inside the alarm panel enclosure and in accordance with local codes. A dedicated 30 Amp breaker is required before a 240V duplex alarm panel.

3.05 BACKFILL REQUIREMENTS

A. Proper backfill is essential to the long-term reliability of any underground structure. Several methods of backfill are available to produce favorable results with different native

soil conditions. The most highly recommended method of backfilling is to surround the unit to grade using Class I or Class II backfill material as defined in ASTM 2321.

B. Class 1, angular crushed stone offers an added benefit in that it doesn't need to be compacted. Class II, naturally rounded stone, may require more compactive effort, or tamping, to achieve the proper density. If the native soil condition consists of clean compactible soil, with less than 12 percent fines, free of ice, rocks, roots and organic material, it may be an acceptable backfill. Such soil must be compacted in lifts not to exceed one foot to reach a final Proctor Density of between 85 percent and 90 percent. Non-compactible clays and silts are not suitable backfill for this or any underground structure such as inlet or discharge lines. If you are unsure of the consistency of the native soil, it is recommended that a geotechnical evaluation of the material is obtained before specifying backfill.

C. Another option is the use of a flowable fill (i.e., low slump concrete). This is particularly attractive when installing grinder pump stations in augured holes where tight clearances make it difficult to assure proper backfilling and compaction with dry materials. Flowable fills should not be dropped more than 4 feet from the discharge to the bottom of the hole to avoid separation of the constituent materials.

D. Improper backfilling may result in damaged stations. The grinder pump station shall be installed at a minimum depth from grade to the top of the 1 1/4" discharge line, to assure maximum frost protection. The finish grade line shall be 1" to 4" below the bottom of the lid, and final grade shall slope away from the grinder pump station.

E. All restoration will be the responsibility of the CONTRACTOR. Per unit costs for this item shall be included in the CONTRACTOR'S bid price for the individual grinder pump stations. The properties shall be restored to their original condition in all respects, including, but not limited to, curb and sidewalk replacement, landscaping, loaming and seeding, and restoration of the traveled ways, as directed by the ENGINEER.

3.06 START-UP AND FIELD TESTING

A. The MANUFACTURER shall provide the services of qualified factory trained technician(s) who shall inspect the placement and wiring of each station, perform field tests as specified herein, and instruct the OWNER'S personnel in the operation and maintenance of the equipment before the stations are accepted by the OWNER.

B. All equipment and materials necessary to perform testing shall be the responsibility of the INSTALLING CONTRACTOR. This includes, as a minimum, a portable generator and power cable (if temporary power is required), water in each basin (filled to a depth sufficient to verify the high level alarm is operating), and opening of all valves in the system. These steps shall be completed prior to the qualified factory trained technician(s) arrival on site.

C. The services of a trained factory-authorized technician shall be provided at a rate of 40 hours for every 100 grinder pump stations supplied.

D. Upon completion of the installation, the authorized factory technician(s) will perform the following test on each station:

1. Make certain the discharge shut-off valve in the station is fully open.
2. Turn ON the alarm power circuit and verify the alarm is functioning properly.
3. Turn ON the pump power circuit. Initiate the pump operation to verify automatic "on/off" controls are operative. The pump should immediately turn ON.
4. Consult the Manufacturer's Service Manual for detailed start-up procedures.

E. Upon completion of the start-up and testing, the MANUFACTURER shall submit to the ENGINEER the start-up authorization form describing the results of the tests performed for each grinder pump station. Final acceptance of the system will not occur until authorization forms have been received for each pump station installed and any installation deficiencies corrected.

PART 4 - OPERATION AND MAINTENANCE

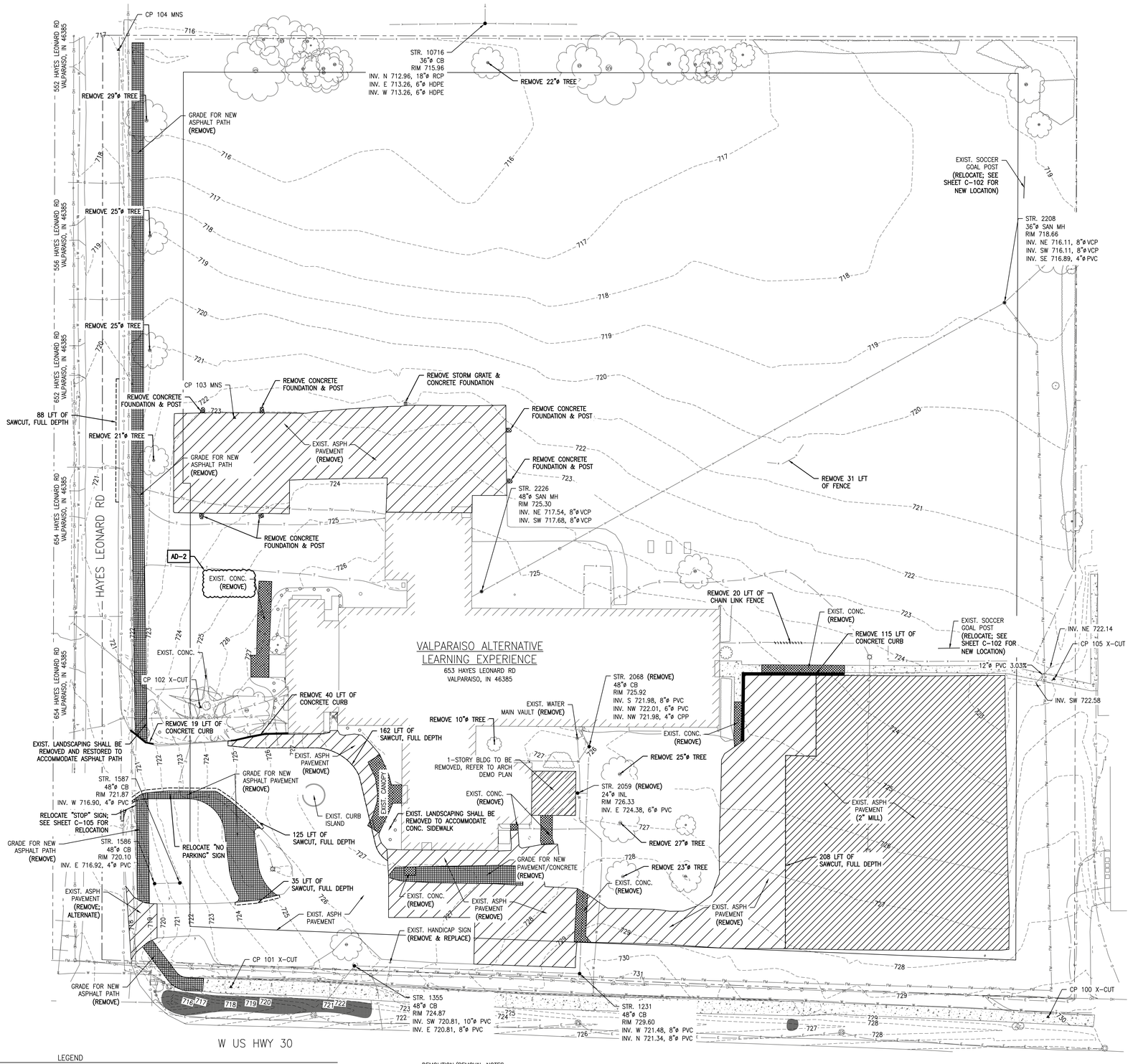
4.01 SPARE CORE

A. The MANUFACTURER will supply one spare grinder pump core for every 50 grinder pump stations installed, complete with all operational controls, level sensors, check valve, anti-siphon valve, pump/motor unit, and grinder.

4.02 MANUALS

A. The MANUFACTURER shall supply four copies of Operation and Maintenance Manuals to the OWNER, and one copy of the same to the ENGINEER.

END OF SECTION



LEGEND

EXISTING TREE	EXISTING GAS
EXISTING FIRE HYDRANT	EXISTING TELEPHONE
EXISTING WATER VALVE	EXISTING CABLE TV
EXISTING BUFFALO BOX	EXISTING ELECTRICAL
EXISTING MAN HOLE	EXISTING OVERHEAD ELECTRIC
EXISTING CATCH BASIN	EXISTING PIPELINE
EXISTING INLET	EXISTING SANITARY
EXISTING UTILITY POLE	EXISTING STORM
EXISTING GUY WIRE	EXISTING WATERMAIN
EXISTING LIGHT POLE	EXISTING CHAIN LINK FENCE
EXISTING TELEPHONE BOX	EXISTING TREE LINE
PROPERTY CORNER	SILT FENCE
SOIL BORING LOCATION	RIGHT-OF-WAY
CONTROL POINT	EASEMENT

CONCRETE CURB, REMOVE

CONCRETE SIDEWALK, REMOVE

ASPHALT PAVEMENT, REMOVE

EXCAVATION FOR PRO. GRADING

SAWCUT, FULL DEPTH

DEMOLITION/REMOVAL NOTES:

1. ALL CONCRETE, SIDEWALK, AND CURB REMOVED SHALL BE SAWCUT FULL DEPTH.
2. TREE BRANCHES OVERHANGING OR BLOCKING PROPOSED SIGNAGE SHALL BE TRIMMED BY SKILLED WORKERS OF A PROFESSIONAL TREE TRIMMING SERVICE IN ACCORDANCE WITH GOOD TREE SURGERY PRACTICES. LOCATIONS OF TREE TRIMMING SHALL BE AS DIRECTED BY THE ENGINEER.
3. TREES MARKED FOR REMOVAL SHALL BE REMOVED COMPLETELY, INCLUDING GRINDING OF STUMP, AND REMOVAL OF STUMP GRINDINGS BEFORE PLACEMENT OF TOPSOIL AND MULCHED SEEDING, TYPE U.
4. ANY ADDITIONAL AREAS DISTURBED DUE TO CONSTRUCTION SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.

AD-2 REVISIONS:

1. EXTENDED CONCRETE REMOVAL LIMITS.

BENCH MARK DATA

CP 100 X-CUT N: 2263246.434 E: 2950234.926 ELEV: 729.95	CP 103 MAG NAIL SET N: 2263654.951 E: 2949680.308 ELEV: 723.20
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CP 102 X-CUT N: 2263457.638 E: 2949657.169 ELEV: 725.69	CP 105 X-CUT N: 2263476.747 E: 2950238.860 ELEV: 724.18

30' 0 15' 30' 60'

1" = 30'-0"

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ARCHITECTURE ENGINEERING INTERIOR DESIGN

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PROJECT

NEW MAINTENANCE AND IT BUILDING

VALPARAISO COMMUNITY SCHOOLS

VALPARAISO, INDIANA

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PROJECT 25-112
DATE 09/04/25
COORDINATED BY CDM / SB
DRAWN BY SB
CHECKED BY CDM

CHRISTOPHER D. MOORE REGISTERED No. 10500648 STATE OF INDIANA PROFESSIONAL ENGINEER 9/4/25

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REVISIONS

MARK	DATE	ISSUED FOR
AD-2	9/18/25	ADDENDUM 2

DRAWING
DEMOLITION PLAN

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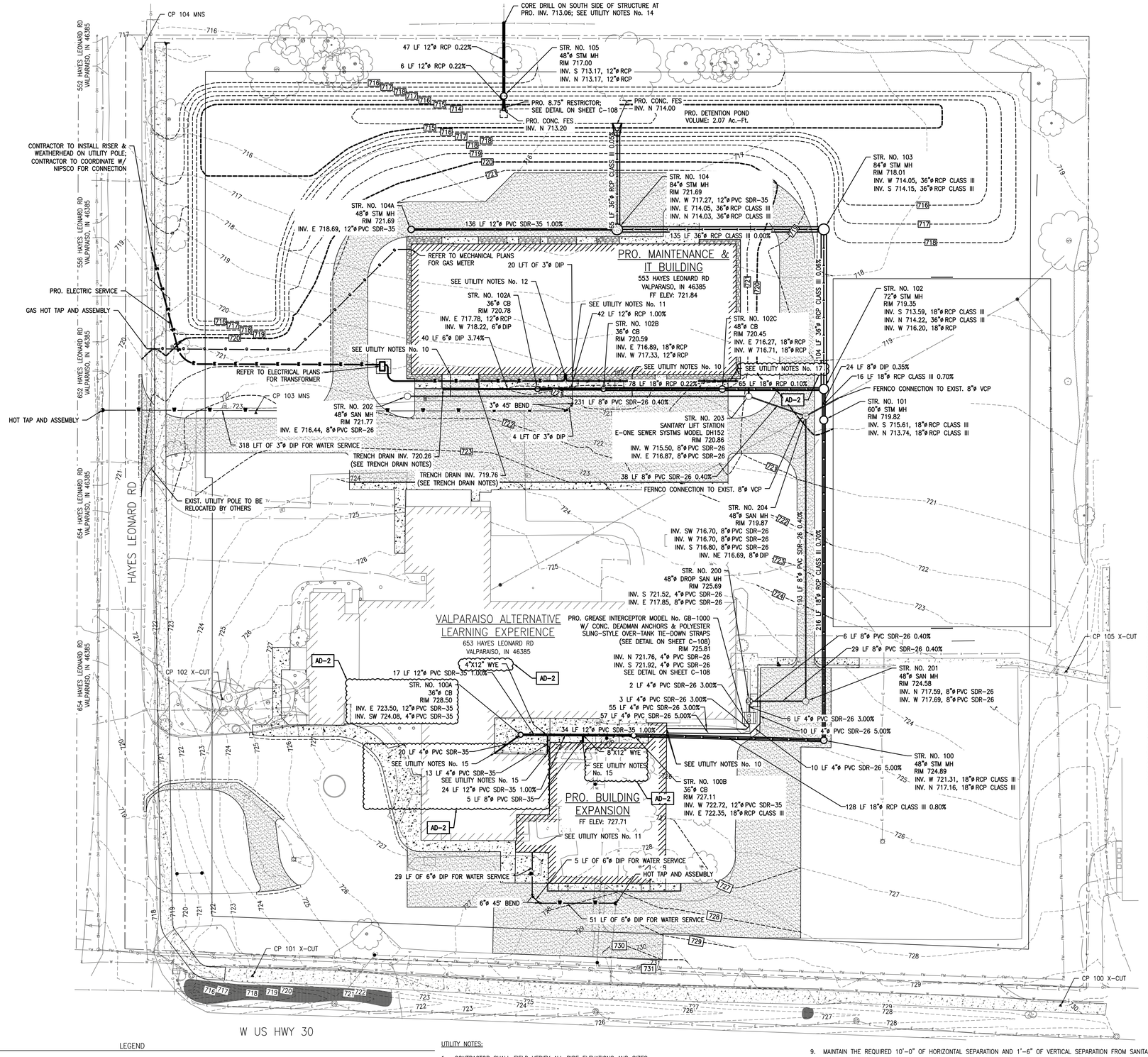
C-101



LEGEND

EXISTING TREE	EXISTING GAS
EXISTING FIRE HYDRANT	EXISTING TELEPHONE
EXISTING WATER VALVE	EXISTING CABLE TV
EXISTING BUFFALO BOX	EXISTING ELECTRICAL
EXISTING MAN HOLE	EXISTING OVERHEAD ELECTRIC
EXISTING CATCH BASIN	EXISTING PIPELINE
EXISTING INLET	EXISTING SANITARY
EXISTING UTILITY POLE	EXISTING STORM
EXISTING GUY WIRE	EXISTING WATERMAIN
EXISTING LIGHT POLE	EXISTING CHAIN LINK FENCE
EXISTING TELEPHONE BOX	EXISTING TREE LINE
PROPERTY CORNER	SILT FENCE
SOIL BORING LOCATION	RIGHT-OF-WAY
CONTROL POINT	EASEMENT
PROPOSED SANITARY	
PROPOSED STORM	
PROPOSED WATER SERVICE	
PROPOSED ELECTRIC SERVICE	
PROPOSED GAS SERVICE	

UTILITY NOTES:

1. CONTRACTOR SHALL FIELD VERIFY ALL PIPE ELEVATIONS AND SIZES.
2. CONTRACTOR SHALL RAISE OR LOWER STRUCTURE COVERS/FRAMES AS REQUIRED TO MEET ELEVATIONS ASSOCIATED WITH CURB AND PAVEMENT CONSTRUCTION.
3. OFFSET FOR INLETS AND CATCH BASINS ARE MEASURED TO THE BACK OF THE CURB. STRUCTURES TO BE PLACED TO ENSURE PROPER PLACEMENT OF THE CASTING. OFFSET CASTINGS WILL NOT BE ALLOWED.
4. ALL PROPOSED STRUCTURE PIPE OPENINGS SHALL HAVE RUBBER BOOTS TO ACCEPT THE APPROPRIATE PIPE SIZE. OPENINGS IN STRUCTURES SHALL NOT BE SAW CUT AND SEALED WITH BRICK AND MORTAR, NO EXCEPTIONS.
5. SANITARY LATERALS SHALL HAVE A MINIMUM COVER OF 3'-6" BELOW PROPOSED GRADE.
6. HOT TAP ASSEMBLY TO INCLUDE ALL EQUIPMENT NECESSARY TO COMPLETE HOT TAP INCLUDING VALVE.
7. ALL INSTALLED DUCTILE IRON PIPE FOR WATER SERVICE SHALL HAVE A MINIMUM COVER OF 5'-0" DEPTH TO THE PROPOSED GRADE ALONG THE ENTIRE LENGTH OF THE PROJECT. SEE 327 IAC 8-3.2-17 OF THE INDIANA ADMINISTRATIVE CODE FOR MORE INFORMATION.
8. POLYETHYLENE ENCASEMENT IS TO BE PROVIDED FOR ALL DUCTILE IRON WATER PIPE ALONG THE ENTIRE LENGTH OF THE PROJECT AND/OR AS SHOWN, SPECIFIED, OR ORDERED IN WRITING BY THE ENGINEER. CONTRACTOR SHALL USE 8 MILL POLYETHYLENE ENCASEMENT AND SHALL INSTALL ENCASEMENT PER ANSI/AWWA C105/A21.5 SPECIFICATION.
9. MAINTAIN THE REQUIRED 10'-0" OF HORIZONTAL SEPARATION AND 1'-6" OF VERTICAL SEPARATION FROM SANITARY AND STORM SEWERS. MAINTAIN 8'-0" OF HORIZONTAL SEPARATION FROM SANITARY AND STORM STRUCTURES. SEE 327 IAC 8-3.2-9 OF THE INDIANA ADMINISTRATIVE CODE FOR MORE INFORMATION. IF 8'-0" HORIZONTAL SEPARATION CANNOT BE ACHIEVED, SEE "WATER MAIN NEXT TO SEWER STRUCTURE" DETAIL ON SHEET ##.
10. REFER TO PLUMBING PLAN SHEETS FOR 4"ø SANITARY LATERAL CONNECTION TO BUILDING.
11. REFER TO PLUMBING PLAN SHEETS FOR WATER SERVICE CONNECTION TO BUILDING.
12. REFER TO ELECTRICAL PLAN SHEETS FOR ELECTRICAL SERVICE CONNECTION TO BUILDING.
13. ALL REINFORCED CONCRETE PIPE INSTALLED SHALL BE CLASS III.
14. A CIRCULAR HOLE OF APPROPRIATE SIZE SHALL BE CORED INTO THE EXISTING STRUCTURE AND A RUBBER BOOT SHALL BE INSTALLED TO ACCEPT THE PROPOSED PIPE. AD-2
15. DOWNSPOUT PIPES SHALL BE CONNECTED TO THE HEADER PIPES WITH WYE CONNECTION. REFER TO PLUMBING PLAN SHEETS FOR DOWNSPOUT CONNECTIONS TO BUILDING.
16. E-ONE SEWER SYSTEM MODEL DH152 – WIRING OF SUPPLY PANEL AND ALARM PANEL SHALL BE PER ALARM PANEL WIRING DIAGRAMS INCLUDED INSIDE THE ALARM PANEL ENCLOSURE AND IN ACCORDANCE WITH LOCAL CODES. A DEDICATED 30 AMP BREAKER IS REQUIRED BEFORE A 240V DUPLEX ALARM PANEL.
17. POWER AND ALARM CABLE SHALL BE INSTALLED IN 1–1/4" HDPE OR SCH-40 PVC PIPE. BURIAL DEPTH SHALL BE A MINIMUM OF 2'-0" BELOW PROPOSED GRADE. CONDUIT INSTALLATION SHALL BE PER MANUFACTURER'S SPECIFICATIONS.

AD–2 REVISIONS:

1. REVISED NOTE #15 TO UTILITY NOTES.
2. ADDED NOTES #16 AND #17 TO UTILITY NOTES.
3. ADDED AN ELECTRICAL SINGLE LINE DIAGRAM FOR THE SANITARY LIFT STATION.
4. ADDED 4"ø STM DOWNSPOUT PIPES.
5. CONNECTED 4"ø STM DOWNSPOUT PIPE TO STR. 100A W/ PIPE INVERT.
6. ADDED 4"X12" WYE FOR DOWNSPOUT CONNECTION TO HEADER PIPE.
7. ADDED 8"ø STM DOWNSPOUT PIPE.
8. ADDED 8"X12" WYE FOR DOWNSPOUT CONNECTION TO HEADER PIPE.

TRENCH DRAIN NOTES:

1. INSTALL TRENCH DRAIN WITH INVERTS SHOWN.
2. TRENCH DRAIN SHALL BE ZURN MODEL NO. Z882-DI, OR APPROVED EQUAL. ZURN MODEL NO. Z882-DI, TRENCH NO.'S 8210, 8211, & 8212 SHALL BE USED.
3. TRENCH DRAIN END SHALL ACCEPT A 6"ø DUCTILE IRON OUTLET PIPE.
4. TRENCH DRAIN SHALL BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS, INCLUDING ANY CONCRETE & REBAR SETTINGS.

BENCH MARK DATA

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30' 0 15' 30' 60'

1" = 30'-0"

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PROJECT

NEW MAINTENANCE AND IT BUILDING

VALPARAISO COMMUNITY SCHOOLS

VALPARAISO, INDIANA

PROJECT 25–112
DATE 09/04/25
COORDINATED BY CDM / SB
DRAWN BY SB
CHECKED BY CDM

CHRISTOPHER D. MOORE REGISTERED No. 10500648 STATE OF INDIANA PROFESSIONAL ENGINEER 9/4/25

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REVISIONS

MARK	DATE	ISSUED FOR
AD–1	9/11/25	ADDENDUM 1
AD–2	9/18/25	ADDENDUM 2

DRAWING
PROPOSED UTILITIES PLAN

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NEW MAINTENANCE AND IT BUILDING

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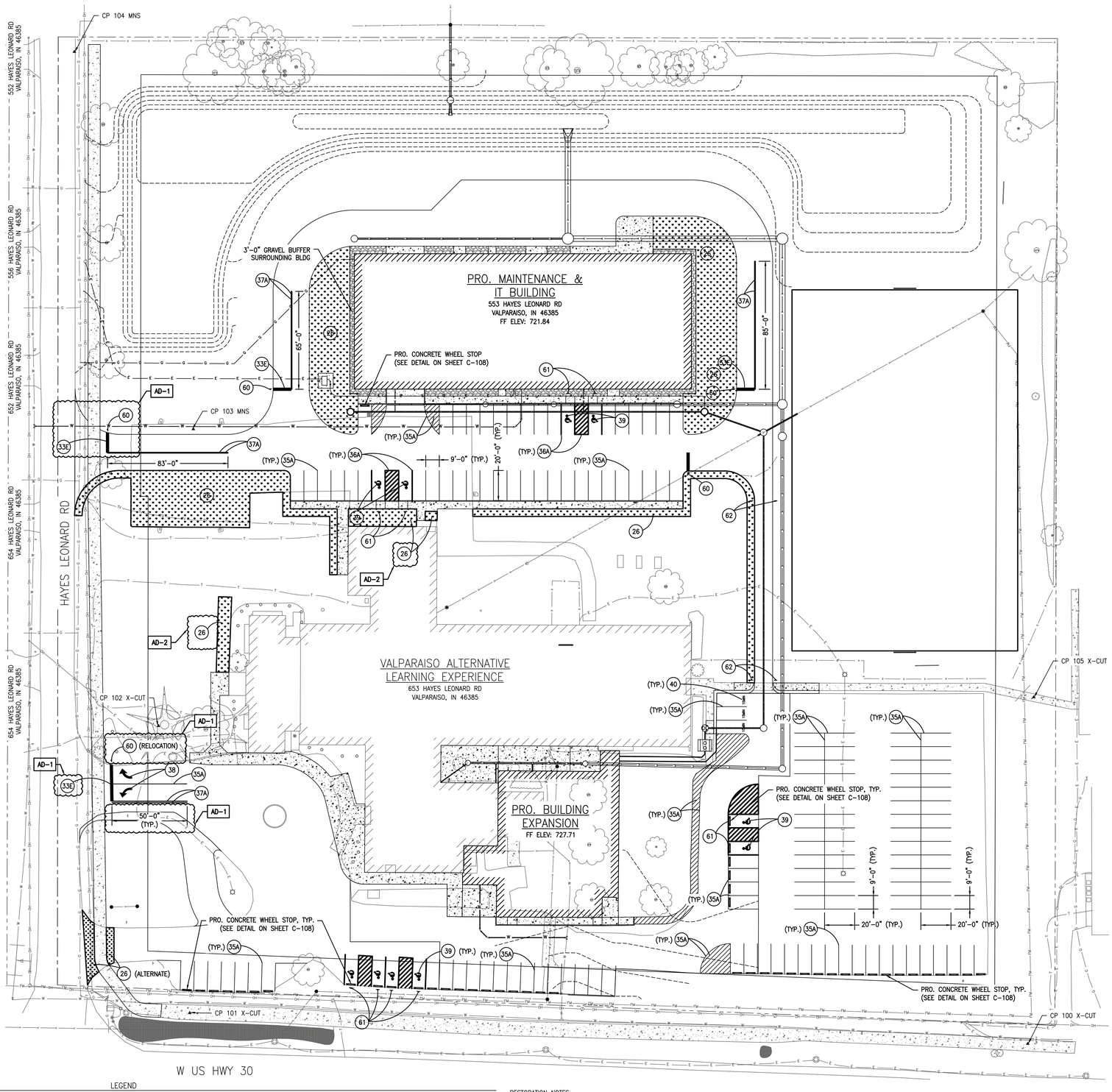
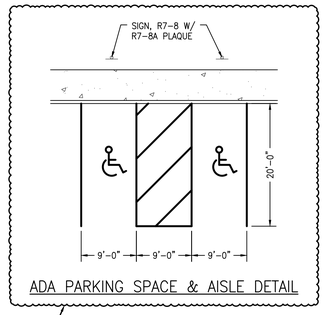
C-104





ADA PARKING SPACE & AISLE DETAIL

AD-2

LEGEND

EXISTING TREE	G G G	EXISTING GAS	26 TOPSOIL (4") & SEEDING
EXISTING FIRE HYDRANT	T T	EXISTING TELEPHONE	33E TRANSVERSE MARKING, PAINT, STOP LINE, 24", WHITE
EXISTING WATER VALVE	TV TV TV	EXISTING CABLE TV	34B TRANSVERSE MARKING, PAINT, CROSSWALK LINE, 6", WHITE
EXISTING BUFFALO BOX	E E E	EXISTING ELECTRICAL	35A SOLID LINE, PAINT, 4", WHITE
EXISTING MAN HOLE	OH OH OH	EXISTING OVERHEAD ELECTRIC	36A SOLID LINE, PAINT, 4", BLUE
EXISTING CATCH BASIN	P P P	EXISTING PIPELINE	37A SOLID LINE, PAINT, 4", YELLOW
EXISTING INLET	S S S	EXISTING SANITARY	38 PAVEMENT MESSAGE MARKING, PAINT, TURN ARROW, WHITE
EXISTING UTILITY POLE	S S S	EXISTING STORM	39 PAVEMENT MESSAGE MARKING, PAINT, HANDICAP SYMBOL, BLUE
EXISTING GUY WIRE	W W	EXISTING WATERMAIN	40 PAVEMENT MESSAGE MARKING, PAINT, "15 MIN.", WHITE
EXISTING LIGHT POLE	x x x	EXISTING CHAIN LINK FENCE	60 SIGN, R1-1, "STOP", 30"X30"
EXISTING TELEPHONE BOX		EXISTING TREE LINE	61 SIGN, R7-8 (12"x18") W/ R7-8A PLAQUE (12"x6") ON SQUARE POST W/REINFORCED ANCHOR BASE
PROPERTY CORNER	SF SF SF	SILT FENCE	62 SIGN, "EMERGENCY VEHICLES ONLY", 12"x18"
SOIL BORING LOCATION		RIGHT-OF-WAY	
CONTROL POINT		EASEMENT	

RESTORATION NOTES:

1. ALL EROSION CONTROL MEASURES & PERMANENT SEEDING SHALL BE INCLUDED IN THE BASE BID. TREES & SHRUBS SHALL BE BY OWNER.
2. MOUNTING HEIGHT FOR SIGN ASSEMBLY WITH SINGLE OR BACK-TO-BACK PRIMARY SIGNS SHALL BE 7'-6" FEET, MEASURED FROM THE GROUND SURFACE TO THE BOTTOM OF SIGN. REINFORCED ANCHOR BASE SHALL BE PROVIDED FOR EACH POST IN ACCORDANCE WITH INDOT STANDARD E802-SNGS-09.
3. ALL DEBRIS TO BE REMOVED PRIOR TO PLACEMENT OF TOPSOIL.
4. TOPSOIL TO BE LIGHTLY COMPACTED PRIOR TO PLACEMENT OF SEEDING.
5. BEYOND LABELED AREAS, ANY DISTURBED LAND SHALL BE RESTORED WITH TOPSOIL AND SEEDING.

AD-1 REVISIONS:

1. RELOCATED THE STOP BARS TO BE 4'-0" EAST OF THE MULTI-USE PATH.
2. RELOCATED THE STOP SIGNS TO ALIGN WITH THE RELOCATED STOP BARS.
3. LENGTHENED THE 4" DOUBLE YELLOW LINES TO 50'-0".

AD-2 REVISIONS:

1. ADDED NOTES TO INDICATE DEMOLISHED AREAS TO BE RESTORED WITH TOPSOIL & SEEDING.
2. ADDED "ADA PARKING SPACE & AISLE" DETAIL.

BENCH MARK DATA

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PROJECT

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VALPARAISO COMMUNITY SCHOOLS

VALPARAISO, INDIANA

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PROJECT 25-112
DATE 09/04/25
COORDINATED BY CDM / SB
DRAWN BY SB
CHECKED BY CDM

CHRISTOPHER D. MOORE REGISTERED No. 10500648 STATE OF INDIANA PROFESSIONAL ENGINEER 9/4/25

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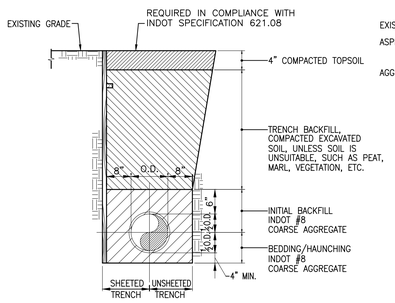
REVISIONS

MARK	DATE	ISSUED FOR
AD-1	9/11/25	ADDENDUM 1
AD-2	9/18/25	ADDENDUM 2

DRAWING
RESTORATION PLAN

PROJECT
NEW MAINTENANCE AND IT BUILDING



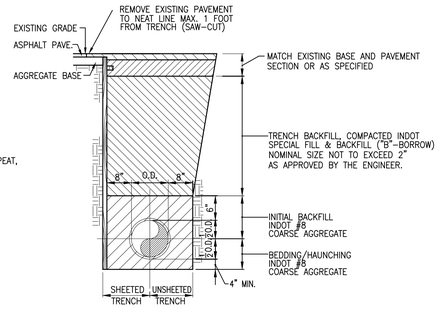
PIPE BEDDING DETAIL

NOT TO SCALE

FOR TRENCH IN GRASS AREAS

NOTES:

1. OPEN-CUT TRENCHES SHALL BE SHEETED AND BRACED AS REQUIRED BY OSHA (29CFR 1926/1910), AND AS NECESSARY TO PROTECT LIFE, PROPERTY, AND THE WORK.



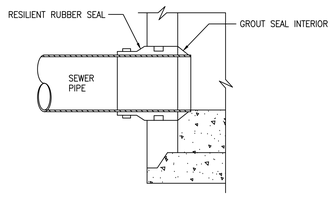
PIPE BEDDING DETAIL

NOT TO SCALE

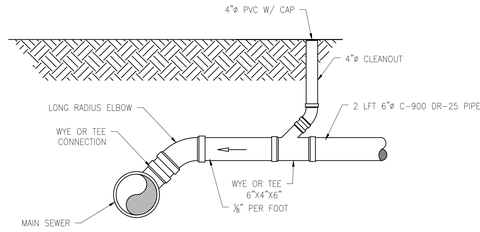
FOR TRENCH IN PAVED AREAS

NOTES:

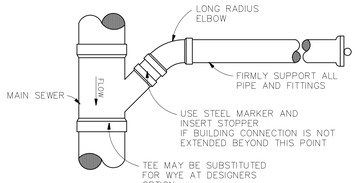
1. OPEN-CUT TRENCHES SHALL BE SHEETED AND BRACED AS REQUIRED BY OSHA (29CFR 1926/1910), AND AS NECESSARY TO PROTECT LIFE, PROPERTY, AND THE WORK.



BOOT DETAIL



SECTIONAL VIEW



PLAN VIEW

BUILDING SERVICE W/ CLEANOUT CONNECTION DETAIL

NOT TO SCALE

RESTRAINED PIPE LENGTH
(FEET)

PIPE SIZE (INCHES)	TEE* BRANCH	90° ELBOW	45° ELBOW	22 1/2° ELBOW	11 1/4° ELBOW	DEAD ENDS
4	0	15	6	3	2	20
6	9	22	9	4	2	28
8	18	27	11	5	3	37
10	25	33	14	7	3	44
12	33	39	16	8	4	52
14	41	44	18	9	4	60
16	48	50	21	10	5	68
18	56	55	23	11	5	75
20	63	61	25	12	6	82
24	77	71	29	14	7	96
30	97	86	36	17	8	116
36	116	100	41	20	10	135

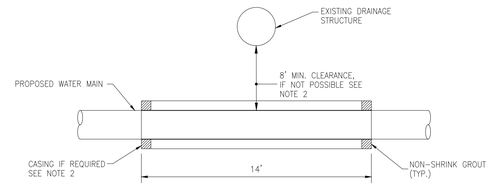
* ONE FULL LENGTH (18') OF PIPE ON BOTH SIDES OF BRANCH TO BE RESTRAINED.

AD-2

INCREASE ALL LENGTHS IN TABLE BY 75% FOR USE ON POLYETHYLENE WRAPPED DUCTILE IRON PIPE OR PVC PIPE.

TEST PRESSURE BASED ON 150 PSI.

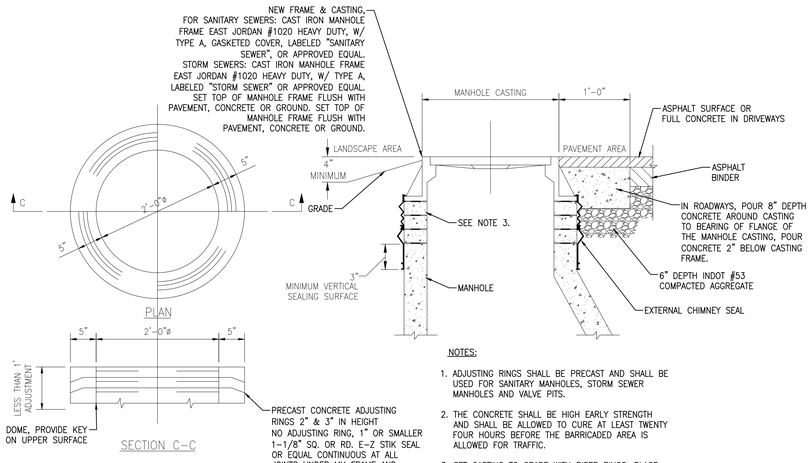
RESTRAINED PIPE LENGTH TABLE



WATER MAIN NEXT TO SEWER STRUCTURE DETAIL

NOT TO SCALE

1. WATER MAIN CROSSING NEAR A DRAINAGE STRUCTURE SHALL ADHERE TO THE STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN INDIANA, MOST CURRENT ADDITION.
2. IF 8' SEPARATION IS NOT MAINTAINED BETWEEN DRAINAGE STRUCTURE INSTALL "14' FEET OF WATER MAIN GRADE PIPE FOR CASING AND SEAL BOTH ENDS WITH NON-SHRINK GROUT.

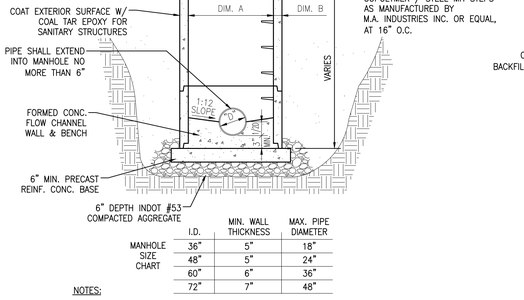


NOTES:

1. ADJUSTING RINGS SHALL BE PRECAST AND SHALL BE USED FOR SANITARY MANHOLES, STORM SEWER MANHOLES AND VALVE PITS.
2. THE CONCRETE SHALL BE HIGH EARLY STRENGTH AND SHALL BE ALLOWED TO CURE AT LEAST TWENTY FOUR HOURS BEFORE THE BARRICADED AREA IS ALLOWED FOR TRAFFIC.
3. SET CASTING TO GRADE WITH RISER RINGS. PLACE BUTYL SEALANT BETWEEN EACH RING AND TO CASTING.

CASTING ADJUSTMENT DETAIL

NOT TO SCALE



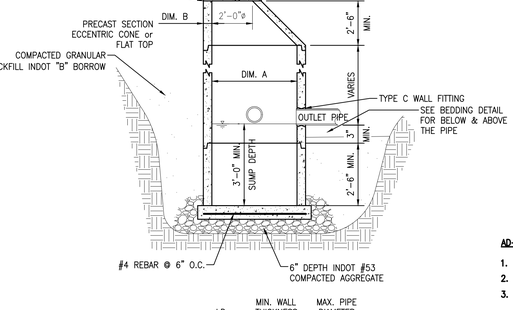
MANHOLE SIZE CHART	I.D.	MIN. WALL THICKNESS	MAX. PIPE DIAMETER
	36"	5"	18"
	48"	5"	24"
	60"	6"	36"
	72"	7"	48"

NOTES:

1. PRECAST REINFORCED CONCRETE MANHOLE BASE SECTIONS, RISER SECTIONS AND APPURTENANCES SHALL MEET ASTM C478 SPECIFICATIONS
2. BACKFILL WITH COMPACTED STRUCTURAL FILL IN PAVED AREAS.
3. WHERE DEPTH FROM TOP OF CASTING TO INVERT IS LESS THAN 5'-0", USE FLAT TOP MANHOLE IN LIEU OF ECCENTRIC CONE.
4. WATERTIGHT SEAL IS REQ'D BETWEEN PRECAST RISER AND SEWER PIPE.
5. THE BOTTOM MAY BE PRECAST OR CAST IN PLACE.
6. THE CONCRETE FOR THE WALL SHALL BE 4000 PSI
7. NEW STRUCTURES INCLUDE THE COST OF NEW FRAME AND LID.

SEWER MANHOLE DETAIL

NOT TO SCALE



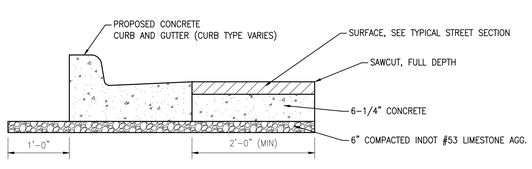
CATCH BASIN SIZE CHART	I.D.	MIN. WALL THICKNESS	MAX. PIPE DIAMETER
	36"	5"	18"
	48"	5"	24"

NOTES:

1. PRECAST REINFORCED CONCRETE MANHOLE BASE SECTIONS, RISER SECTIONS AND APPURTENANCES SHALL MEET ASTM C478 SPECIFICATIONS
2. THE BOTTOM MAY BE PRECAST OR CAST IN PLACE.
3. THE CONCRETE FOR THE WALL SHALL BE 4000 PSI

CATCH BASIN DETAIL

NOT TO SCALE



NOTE: MIN. 6-INCHES OF COMPACTED INDOT #53 AGGREGATE (NO SLAG) REQUIRED BELOW CURB AND GUTTER. TO BE USED IN AREAS NOT ADJACENT TO FULL DEPTH ASPHALT PATCHING.

ASPHALT PAVEMENT PATCH ADJACENT TO CURB AND GUTTER REPLACEMENT

NOT TO SCALE

AD-1

PAVEMENT SECTION, LIGHT DUTY

NOT TO SCALE

PAVEMENT SECTION, HEAVY DUTY

NOT TO SCALE

CONCRETE CURB & GUTTER

NOT TO SCALE

CONCRETE BARRIER CURB

NOT TO SCALE

AD-1

AD-1 REVISIONS:

1. ADDED MULTI-USE PATH DETAIL.
2. ADDED MULTI-USE PATH THROUGH DRIVES DETAIL.
3. REVISED CONCRETE PVMT FOR DUMPSTER ENCLOSURE/MECHANICAL YARD PAD DETAIL.

AD-2 REVISIONS:

1. REVISED RESTRAINED PIPE LENGTH TABLE.

GIBRALTAR DESIGN
ARCHITECTURE ENGINEERING INTERIOR DESIGN

NIES engineering, inc.
6421 170th Street, Hammond, Indiana, 46323
Phone: (219) 844-8680 Fax: (219) 844-7754
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PROJECT

NEW MAINTENANCE AND IT BUILDING

VALPARAISO COMMUNITY SCHOOLS

VALPARAISO, INDIANA

GIBRALTAR 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

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REVISIONS

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AD-1	9/11/25	ADDENDUM 1
AD-2	9/18/25	ADDENDUM 2

DRAWING DETAILS

PROJECT NEW MAINTENANCE AND IT BUILDING

© GIBRALTAR DESIGN

SHEET C-107

SPECIFICATIONS

Notes:

1. 4" FPT inlet/outlet with 4" plain end fittings
2. Unit weight - w/cast iron covers: 824 lbs. (for wet weight add 8,413 lbs.)
3. Maximum operating temperature: 150º F continuous
4. Capacities - Liquid: 1,000 gal.;
   Grease: 5,495 lbs. (753 gal.) @100GPM
   Grease: 4,959 lbs (679 gal.) @200GPM
   Solids: 211 gal.
5. Satisfies Miami DERM 99% efficiency requirements; retaining the following capacities at 99.0% efficiency:
   5,272 lbs. (722 gal.) @100GPM
   3,127 lbs. (428 gal.) @200GPM
6. For gravity drainage applications only.
7. Do not use for pressure applications.
8. Cover placement allows full access to tank for proper maintenance.
9. Vent not required unless per local code.
10. Engineered inlet and outlet diffusers with inspection ports are removable to inspect / clean piping. For series installations, the top of the inlet diffuser on the first unit in the series must be sealed.
11. Integral air relief / Anti-siphon / Sampling access.
12. Adjustable cover adapters provide up to 4" of additional height.
13. Flow rates are based on 2-minute drain time.
14. Designed for both below and above-grade installations.
15. Safety Star®, access restrictor built into each cover adapter, prevents accidental entry to tanks (450 lb rating).

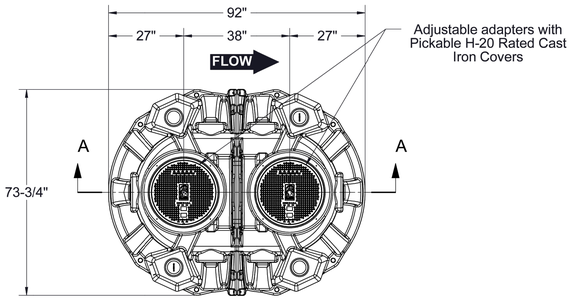
ENGINEER SPECIFICATION GUIDE

Schier Great Basin™ grease interceptor model # GB-1000 shall be lifetime guaranteed and made in USA of seamless, molded polyethylene with minimum 7/16" uniform wall thickness. Interceptor shall be furnished for above or below-grade installation with adjustable cover adapter and Safety Star® access restrictor built into each cover adapter. Interceptor shall be certified to ASME A112.14.3 (Type D) and CSA B481.1. Interceptor flow rate shall be 100 GPM or 200GPM. Interceptor grease capacity shall be 5,495 lbs. Cover shall provide water/gas-tight seal and have minimum 16,000 lbs. load capacity.

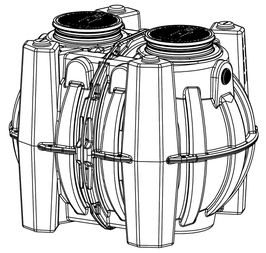
CERTIFIED PERFORMANCE

Great Basin™ hydromechanical grease interceptors are third party performance-tested and listed by IAPMO to ASME #A112.14.3 and CSA B481.1 grease interceptor standards and greatly exceed requirements for grease separation and storage. They are compliant to the Uniform Plumbing Code and the International Plumbing Code.

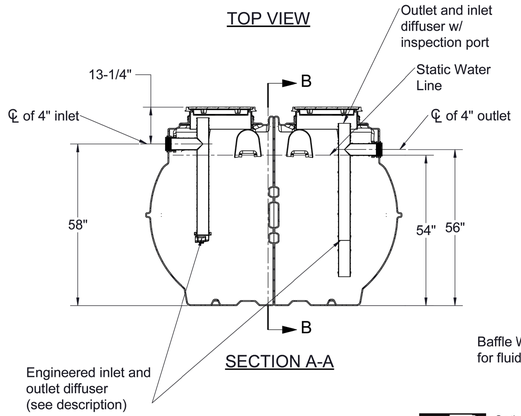
Type D certification does not require a flow control



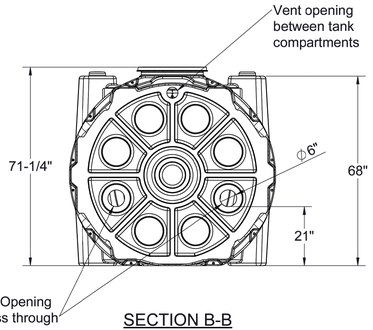
TOP VIEW



ISOMETRIC VIEW



SECTION A-A



SECTION B-B

Satisfies Miami DERM 99% efficiency requirements. Product labels are permanently attached to inside and outside of unit for easy viewing.

SPECIFICATION SHEET

MODEL NUMBER:	PART NUMBER: 4080-004-01					
GB-1000	DESCRIPTION: GB-1000 GREASE INTERCEPTOR 100 GPM/ 200 GPM 4" INLET/OUTLET, H-20 RATED CAST IRON COVER					
PROPRIETARY AND CONFIDENTIAL	DWG BY: C.SINCLAIR	DATE: 10/18/2021	REV: 01	ECO: 101821		

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SCHIER
6455 Woodland Dr
Shawnee, KS 66218
Tel: 913-951-3300
Fax: 913-951-3399
schierproducts.com

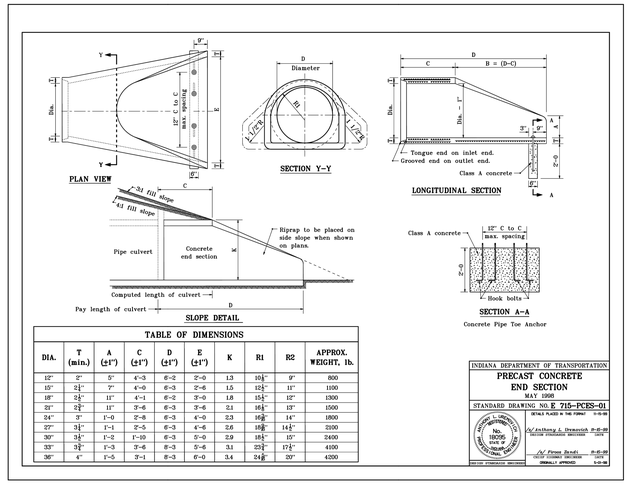


TABLE OF DIMENSIONS

DIA.	T (min.)	A (±1")	C (±1")	D (±1")	E (±1")	K	R1	R2	APPROX. WEIGHT, lb.
12"	2"	5"	4'-3	6'-2	2'-0	1.3	10½"	9"	800
15"	2½"	7"	4'-0	6'-3	2'-6	1.5	12½"	11"	1100
18"	2½"	11"	4'-1	6'-2	3'-0	1.8	15½"	12"	1300
21"	2½"	11"	3'-6	6'-3	3'-6	2.1	18½"	13"	1500
24"	3"	1'-0	2'-8	6'-3	4'-0	2.3	19½"	14"	1800
27"	3½"	1'-1	2'-5	6'-3	4'-6	2.6	18½"	14½"	2100
30"	3½"	1'-2	1'-10	6'-3	5'-0	2.9	18½"	15"	2400
33"	3½"	1'-3	3'-6	6'-3	5'-6	3.1	23½"	17½"	4100
36"	4"	1'-5	3'-1	6'-3	6'-0	3.4	24½"	20"	4200

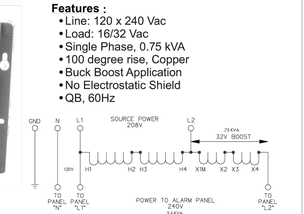
INDIANA DEPARTMENT OF TRANSPORTATION
PRECAST CONCRETE END SECTION
MAY 1998
STANDARD DRAWING NO. E 715-FCES-01
DETAILS PLACED IN THE FORMAT 11-15-99
No. 10078 STATE OF INDIANA
Jeffrey L. Demovich 01-01-00
Firouz Zandi 01-01-00
DESIGN STANDARDS ENGINEER — DATE
ENGINEER OF BRIDGES AND STRUCTURES — DATE
ORIGINALLY APPROVED 1-01-98
DESIGN STANDARDS ENGINEER — DATE

AD-2

Catalog Number : 9T51B0129

Features :

- Line: 120 x 240 Vac
- Load: 16/32 Vac
- Single Phase, 0.75 kVA
- 100 degree rise, Copper
- Buck Boost Application
- No Electrostatic Shield
- QB, 60Hz



Dimensions (inches) : **9.62H x 7.88W x 5.5D x 25lbs**

Buck-Boost Transformers.

Introduction

The Buck-Boost transformer is a very versatile product for which a multitide of applications exist. In its simplest form, these transformers will deliver 12, 16, 24 or 32 volts when their primaries are energized at 120 or 240 volts.

Their prime use, however, lies in the fact that the primaries and secondaries can be **interconnected**, thus permitting their use as an autotransformer. When the primaries and secondaries are connected together so that electrical characteristics are changed from a two winding transformer to those of an autotransformer, the units can economically 'buck or boost' voltage up to +/- 20%.

For use with E/One Duplex Panels

Single Phase Load: 16/32 Vac

Non-Vented (NEMA 3R) Enclosure

Buck Boost

ORDER NUMBER:

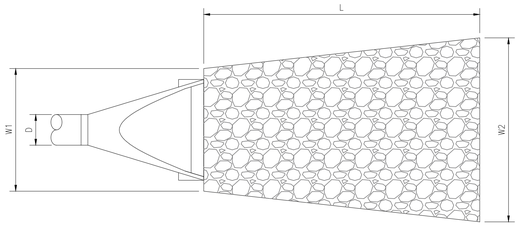
PA0219P03

SGS	JVL	05/01/25	C	NA
DR BY	CHK'D	DATE	ISSUE	SCALE

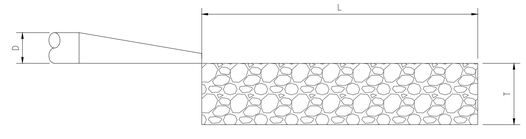
eone SEWER SYSTEMS

TRANSFORMER, BUCK BOOST
0.75 KVA (E/ONE PT No. PA219P03)

LM000230



OUTLET PROTECTION PLAN VIEW
NOT TO SCALE



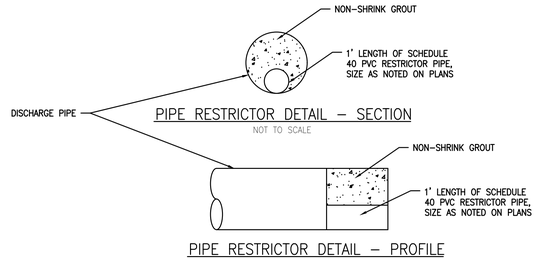
OUTLET PROTECTION SECTION VIEW
NOT TO SCALE

NOTES:

1. GEOTEXTILE FABRIC SHALL BE INSTALLED BELOW AND AROUND THE SIDES OF THE REQUIRED RIPRAP.
2. RIP RAP SHALL BE A WELL-GRADED MIXTURE OF STONE WITH 50 PERCENT OF THE STONE PIECES, BY WEIGHT, LARGER THAN THE d50 SIZE AND THE DIAMETER OF THE LARGEST STONE EQUAL TO 1.5 TIMES THE d50 DIZE.
3. EXCAVATE FOUNDATION AND APRON AREA SUBGRADES BELOW DESIGN ELEVATION TO ALLOW FOR THICKNESS OF THE FILTER MEDIUM AND RIPRAP.
4. COMPACT ANY FILL USED IN SUBGRADE PREPARATION TO THE DENSITY OF SURROUNDING UNDISTURBED SOIL MATERIAL.
5. PLACE GEOTEXTILE FABRIC ON SUBGRADE MATERIAL AND INSTALL RIPRAP TO THE CORRECT LINES AND ELEVATIONS. BLEND RIPRAP SMOOTHLY TO THE SURROUNDING GRADE.

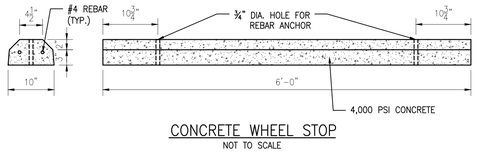
OUTLET PROTECTION INFORMATION

PIPE SIZE "D" (IN.)	AVERAGE RIPRAP DIA. (IN.)	APRON WIDTH "W1" (FT.)	APRONG WIDTH "W2" (FT.)	APRON LENGTH "L" (FT.)	APRON THICKNESS "T" (IN.)
12	8	4	6	13	10
36	14	10	12	24	17



PIPE RESTRICTOR DETAIL – SECTION
NOT TO SCALE

PIPE RESTRICTOR DETAIL – PROFILE
NOT TO SCALE



CONCRETE WHEEL STOP
NOT TO SCALE

AD-2 REVISIONS:

1. ADDED THE TRANSFORMER, BUCK BOOST DETAIL.

GIBRALTAR
DESIGN
ARCHITECTURE ENGINEERING INTERIOR DESIGN

NIES engineering, inc.
6421 170 Skokie, Hammond, Indiana, 46323
Phone: (219) 844-8680 Fax: (219) 844-7754
Your Vision • Our Focus

PROJECT

NEW MAINTENANCE AND IT BUILDING

VALPARAISO COMMUNITY SCHOOLS

VALPARAISO, INDIANA

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Indianapolis, IN 46260
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Phone 317.580.5777 Fax 317.580.5778

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CHRISTOPHER D. MOORE — REGISTERED — No. 10500648 — STATE OF INDIANA — PROFESSIONAL ENGINEER — 9/4/25

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REVISIONS

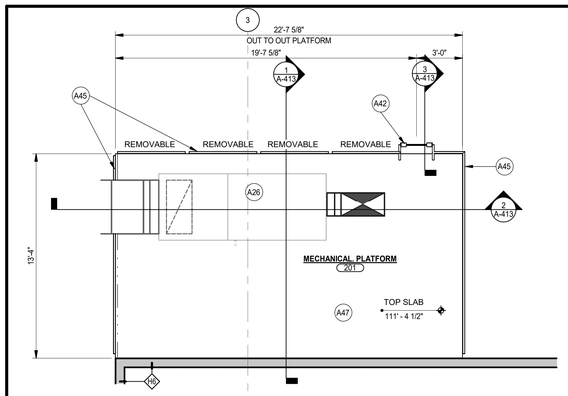
MARK	DATE	ISSUED FOR
AD-2	9/18/25	ADDENDUM 2

DRAWING
DETAILS

PROJECT
NEW MAINTENANCE AND IT BUILDING

GIBRALTAR DESIGN

SHEET
C-108



MECHANICAL PLATFORM

2 A-101 1/4" = 1'-0"

NORTH

ARCHITECTURAL PLAN NOTES

A25	ELECTRICAL TRANSFORMER ON CONCRETE PAD. REFER TO CIVIL DRAWINGS.
A26	MECHANICAL EQUIPMENT. REFER TO MECHANICAL DRAWINGS.
A27	MOP SINK, REFER TO PLUMBING DRAWINGS. PROVIDE MOP HOLDER AND 4'-0" W X 4'-0" H FRP WAINSCOTT.
A28	DOWNSPOUT, REFER TO ROOF PLAN A201. PROVIDE DRAINAGE BOOT AND TIE INTO STORM WATER SYSTEM. REFER TO CIVIL DRAWINGS.
A29	KNOX BOX. COORDINATE LOCATION WITH LOCAL FIRE DEPARTMENT HAVING JURISDICTION.
A30	ELECTRICAL EQUIPMENT. REFER TO ELECTRICAL DRAWINGS.
A31	MOTOR OPERATED INSULATED SECTIONAL OVERHEAD DOOR. TRACH TO FOLLOW ROOF SLOPE.
A32	ALTERNATE: 4'-0" H X 3/4" TH FIRE TREATED PLYWOOD FROM 3'-4" TO 7'-4" AFF. REFER TO WALL SECTIONS.
A33	3/4" TH X 4'-0" W X 8'-0" H FIRE TREATED PLYWOOD HOLD OFF FLOOR 1/2". SECURE TO PEMB GIRTS. REFER TO WALL SECTIONS.
A34	RIGID STEEL FRAME.
A35	24" X 24" ACCESS PANEL.
A36	TRENCH DRAIN. REFER TO CIVIL DRAWINGS.
A37	RECESSED ELECTRIC HEATER. REFER TO MECHANICAL DRAWINGS.
A38	OWNER FURNISHED SHELVING. REFER TO A700 SERIES DRAWINGS.
A39	GRAVEL ON LANDSCAPE FABRIC. REFER TO CIVIL DRAWINGS.
A40	ASPHALT PAVING. REFER TO CIVIL DRAWINGS.
A41	GRASS. REFER TO CIVIL DRAWINGS.
A42	STEEL LADDER.
A43	CLEANOUT. REFER TO PLUMBING DRAWINGS.
A44	SOLID SURFACE STOOL. REFER TO A700 AND A800 SHEES.
A45	42" H X 1 1/4" DIAMETER STANDARD WEIGHT STEEL PIPE GAURD. SPACE VERTICAL POST AT MAX 5'-0" O.C.
A47	CONCRETE FLOOR SLAB. SEAL. REFER TO STRUCTURAL DRAWINGS.

PLAN LEGEND:

XX INDICATES WINDOW SYSTEM. REFER TO A-600 SERIES DRAWINGS FOR ELEVATIONS AND DETAILS

XX INDICATES WALL TYPES. REFER TO G-302 FOR WALL THICKNESS, HEIGHT, AND COMPOSITION.

ARCHITECTURAL PLAN NOTES

A01	CONCRETE VOID SLAB/WALK. PROVIDE SCORED JOINTS ON SURFACE TO ALIGN WITH CONCRETE SIDEWALK JOINTS, REFER TO STRUCTURAL DRAWINGS.
A02	CARD READER. REFER TO ELECTRICAL DRAWINGS.
A03	PUSH PAD FOR ADA OPERATOR. REFER TO ELECTRICAL DRAWINGS.
A04	AI PHONE LOCATION. REFER TO ELECTRICAL DRAWINGS.
A05	8'-0" H CHAIN LINK FENCE WITH 12'-0" W GATE. PROVIDE PRIVACY SLATS.
A06	OWNER FURNISHED DUMPSTER.
A07	CONCRETE DUMPSTER PAD. REFER TO CIVIL DRAWINGS.
A08	FIRE EXTINGUISHER AND CABINET.
A09	FIRE EXTINGUISHER AND BRACKET.
A10	REFER TO A-700 SERIES EQUIPMENT PLANS FOR CASEWORK, MILLWORK, DISPLAY BOARDS, PROJECTORS, TV MONITORS, ETC. FOR NOTES AND DETAILS.
A11	PLUMBING FIXTURE, REFER TO PLUMBING DRAWINGS.
A12	FIRE ALARM PANEL. REFER TO ELECTRICAL DRAWINGS.
A13	FIRE ALARM ANNUNCIATOR PANEL, REFER TO ELECTRICAL DRAWINGS.
A14	EXPANDABLE END BAY.
A15	CONCRETE SIDEWALK, SEALED. REFER TO CIVIL DRAWINGS.
A16	ELECTRIC WATER COOLER WITH BOTTLE FILLER. REFER TO PLUMBING. MOUNT AT ADA HEIGHT. REFER TO SHEET G301.
A17	MOTOR OPERATED 3HR RATED OVERHEAD COILING DOOR WITH FUSIBLE LINK AT LOCAL SMOKE DETECTOR.
A18	4" WIDE PAINTED STRIPE.
A19	VENDING MACHINES BY OWNER.
A20	PEMB DIAGONAL BRACING LOCATED IN THIS BAY.
A21	PEMB PORTER FRAME LOCATED IN THIS BAY.
A22	6" DIAMETER GALVANIZED EXTRA STRONG PIPE BOLLARD. PAINT SAFETY YELLOW.
A23	TRENCH DRAIN. REFER TO DETAIL 3/A-412.
A24	OIL SEPARATOR. REFER TO PLUMBING DRAWINGS. COORDINATE LOCATION WITH STEEL FRAME HAIRPINS. REFER TO FOUNDATION DRAWINGS.

GENERAL NOTES:

A. FOR GENERAL PROJECT NOTES, MATERIAL INDICATIONS LEGEND, SYMBOL LEGEND, ABBREVIATION, ETC. REFER TO SHEET G-301.

B. 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.

C. 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.

D. MASONRY WALLS BEARING ON A THICKENED SLAB AT SLAB DEPRESSIONS REQUIRE CUT MASONRY UNITS SO THAT COURSING BEGINS AT THE FLOOR LINE.

E. THE BASE FIRST FLOOR ELEVATION INDICATED FOR THE PROJECT IS 100'-0".

F. 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.

G. PROVIDE WOOD BLOCKING (OR METAL STRAPPING WHERE APPLICABLE) WITHIN METAL STUD WALLS FOR WALL MOUNTED ITEMS.

H. REFER TO LIFE SAFETY PLANS REGARDING FIRE RATED WALL LOCATIONS AND OTHER CODE INFORMATION.

I. INTERIOR CMU WALLS ARE RUNNING BOND UNLESS NOTED OTHERWISE.

J. ALL EXPOSED CONCRETE MASONRY UNITS (CMU) CORNERS TO BE BULLNOSE, EXCEPT AT MASONRY BULKHEADS AND EXTERIOR WINDOW JAMBS.

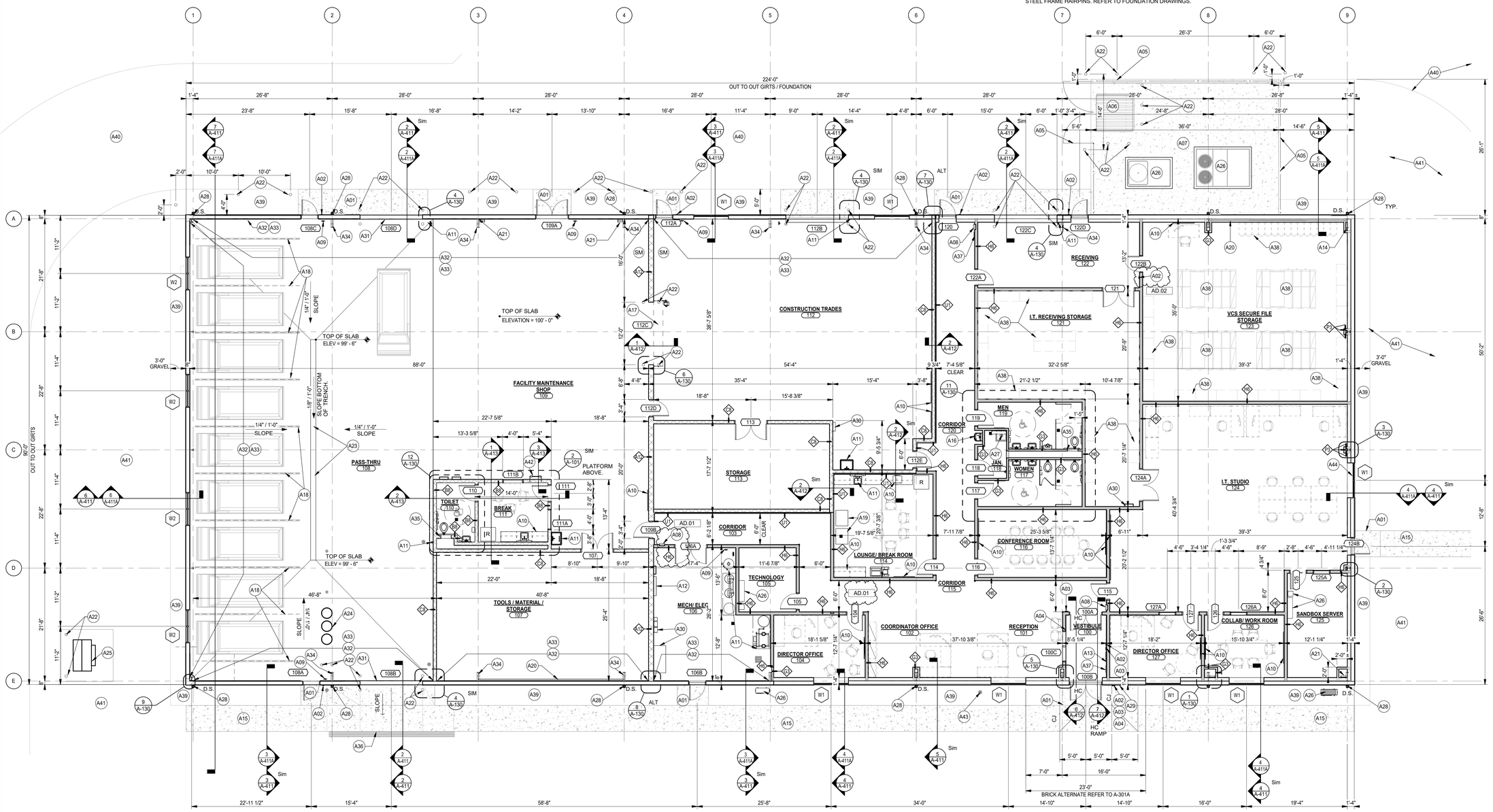
K. WHERE NEW CMU WALLS INTERSECT EXISTING CMU WALLS AT A CORNER OR ARE ALIGNED WITH EXISTING CMU WALLS, TOOTH NEW CMU INTO EXISTING CMU UNLESS NOTED OTHERWISE.

L. REFER TO FINISH PLANS FOR LOCATION AND EXTENT OF FINISHED FLOOR AND WALL MATERIALS.

M.

N. REFER TO EQUIPMENT PLANS FOR CASEWORK, DISPLAY BOARDS, LOCKERS, AND OTHER ADDITIONAL TYPICAL EQUIPMENT NOTES AND INFORMATION.

O. REFER TO A-130 FOR ENLARGED TOILET ROOM PLANS AND TOILET ACCESSORIES.



FIRST FLOOR PLAN

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

NORTH

GIBRALTAR DESIGN

ARCHITECTURE - ENGINEERING - INTERIOR DESIGN

PROJECT:

NEW MAINTENANCE AND IT BUILDING

VALPARAISO COMMUNITY SCHOOLS

553 HAYES LEONARD RD, VALPARAISO, IN, 46385

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PROJECT 25-112
DATE 09/04/2025
COORDINATED BY JF
DRAWN BY JF,CA,MM
CHECKED BY JF

JOSEPH P. FITZGERALD REGISTERED NO. 11600109 STATE OF INDIANA ARCHITECT

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AD.02	09/18/25	Addendum #2
AD.01	09/11/25	Addendum #1

DRAWING
FIRST FLOOR PLAN

PROJECT
NEW MAINTENANCE AND IT BUILDING

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PLAN NOTES:

1. ELECTRIC WATER COOLER.
2. TOILET PAPER HOLDER. (OFCI)
3. ACCESSIBLE FIXTURE (LAVATORY/URINAL). SEE PLUMBING DRAWINGS.
4. SOAP DISPENSER. (OFCI)
5. TOILET PARTITION.
6. URINAL SCREEN PARTITION.
7. 2'-0" W x 3'-0" H MIRROR WITH BOTTOM OF REFLECTIVE SURFACE MOUNTED AT 40" A.F.F.
8. 2'-0" X 5'-0" MIRROR BOTTOM AT 1'-4" A.F.F.
9. PAPER TOWEL DISPENSER. (OFCI)
10. FEMININE NAPKIN DISPOSAL.
11. FLOOR DRAIN. REFER TO PLUMBING DRAWINGS.
12. GRAB BARS.
13. 24"x24" ACCESS PANEL WITH TOP AT 5'-4" ABOVE FLOOR
14. HOSE BIB. REFER TO PLUMBING DRAWINGS.
15. AD.02 MOP SINK. REFER TO PLUMBING DRAWINGS. PROVIDE MOP HOLDER AND 4'-0" W X 4'-0" H STAINLESS STEEL WAINSCOT ON EACH WALL.
16. BOTTLE FILLER. REFER TO PLUMBING. MOUNT AT ADA HEIGHT. REFER TO SHEET G301.
17. TRASH CAN. (OFCI)

GENERAL RESTROOM NOTES:

A. FOR GENERAL PROJECT NOTES, MATERIAL INDICATIONS LEGEND, SYMBOL LEGEND, ABBREVIATION, ETC., REFER TO SHEET G-301.

B. DEPTH OF ALL TOILET ENCLOSURES SHALL BE A MINIMUM OF 5'-0" CLEAR INSIDE DIMENSION UNLESS NOTED OTHERWISE.

C. REFER TO PLUMBING DRAWINGS FOR FIXTURE TYPES.

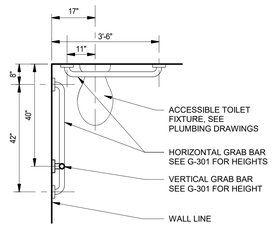
D. REFER TO PLUMBING DRAWINGS FOR FLOOR DRAIN LOCATIONS.

E. COORDINATE HEIGHT OF GRAB BAR WITH TANK ON FLUSH VALVE OF WALL MOUNTED WATER CLOSET.

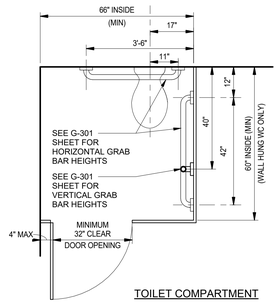
F. INSTALL LAVATORIES AND URINALS AT 2'-6" ON CENTER MINIMUM UNLESS NOTED OTHERWISE.

G. REFERENCE FINISH PLANS FOR FINISH INFORMATION.

H. FOR MOUNTING HEIGHTS REFER TO SHEET G-301



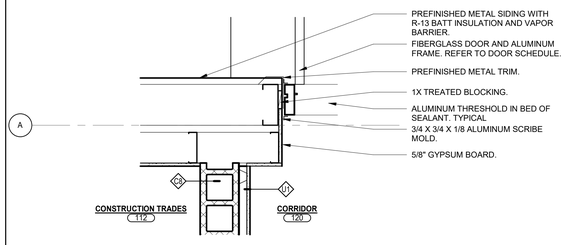
PRIVATE TOILET



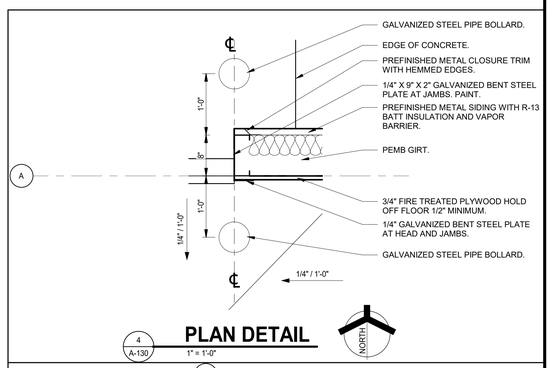
TOILET COMPARTMENT

REFER TO SHEET G-301 FOR MOUNTING HEIGHTS.

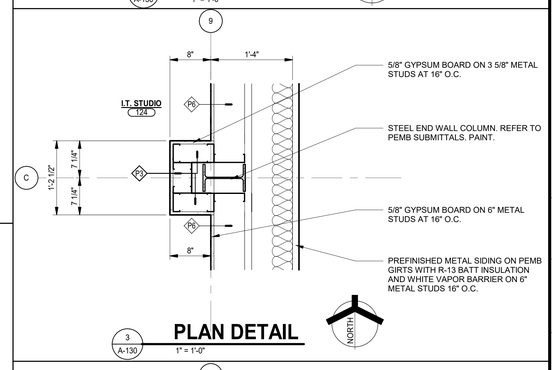
10 A-130 **ACCESSIBLE FACILITIES** 1/2" = 1'-0"



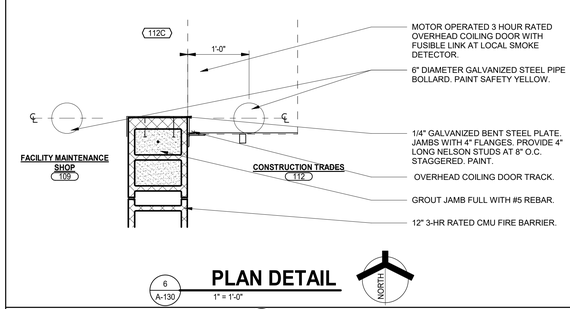
7 A-130 **PLAN DETAIL - ALTERNATE** 1" = 1'-0"



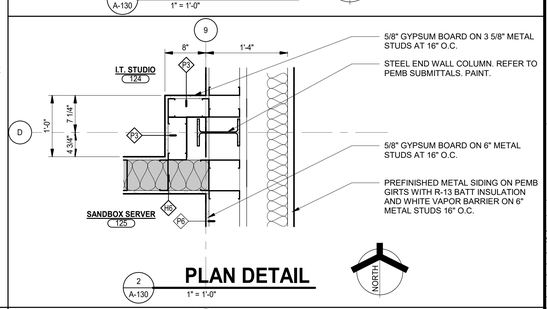
4 A-130 **PLAN DETAIL** 1" = 1'-0"



3 A-130 **PLAN DETAIL** 1" = 1'-0"



6 A-130 **PLAN DETAIL** 1" = 1'-0"



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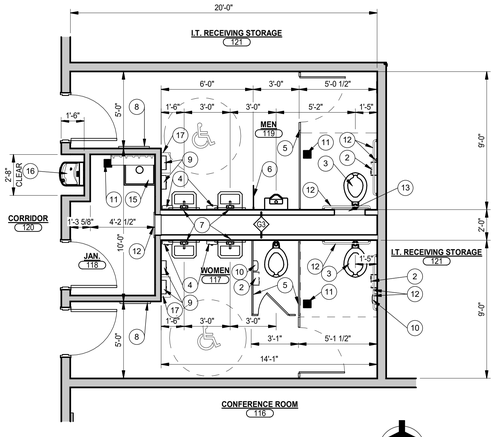
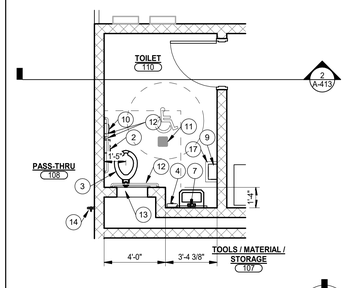
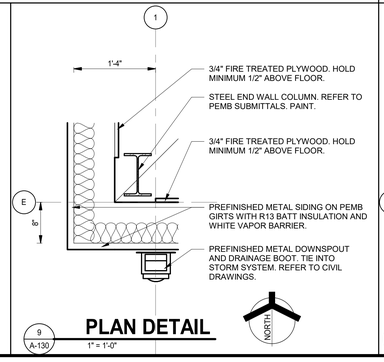


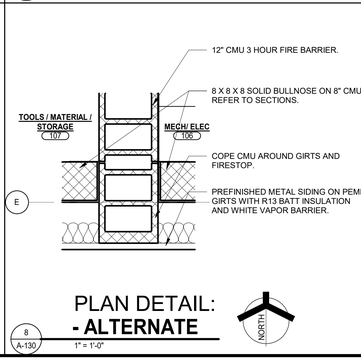
11 A-130 **ENLARGED RESTROOM PLAN** 1/4" = 1'-0"



12 A-130 **ENLARGED RESTROOM PLAN** 1/4" = 1'-0"

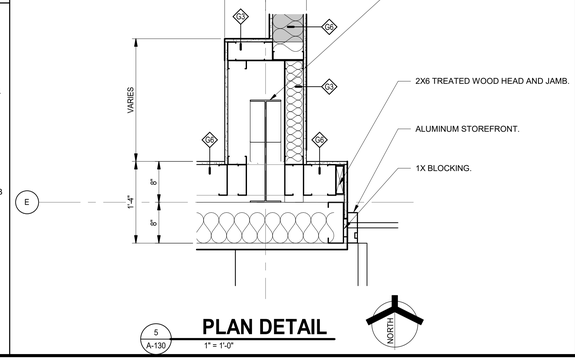


9 A-130 **PLAN DETAIL** 1" = 1'-0"

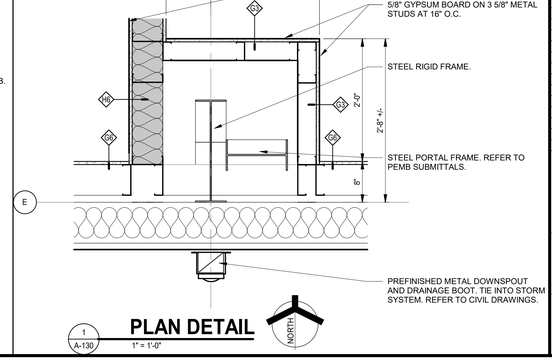


PLAN DETAIL: **- ALTERNATE**

8 A-130 1" = 1'-0"



5 A-130 **PLAN DETAIL** 1" = 1'-0"



1 A-130 **PLAN DETAIL** 1" = 1'-0"

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PROJECT:

NEW MAINTENANCE AND IT BUILDING

VALPARAISO COMMUNITY SCHOOLS

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100% CD SET

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PROJECT 25-112
DATE 09/04/2025
COORDINATED BY JF
DRAWN BY JF, MM,CA
CHECKED BY JF

JOSEPH P. BRIGGS REGISTERED NO. 11600109 STATE OF INDIANA ARCHITECT

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REVISIONS

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AD.02	09/18/25	Addendum #2

DRAWING
PLAN DETAILS AND ENLARGED TOILET PLANS

PROJECT
NEW MAINTENANCE AND IT BUILDING

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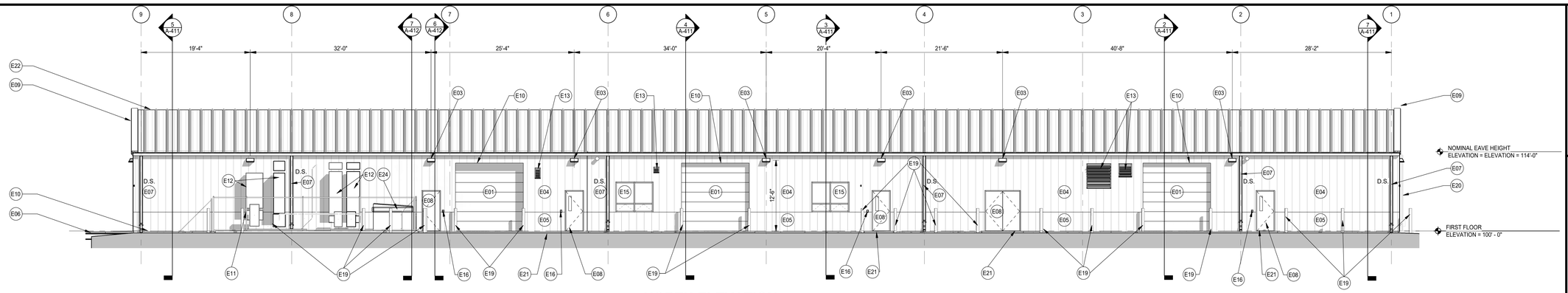
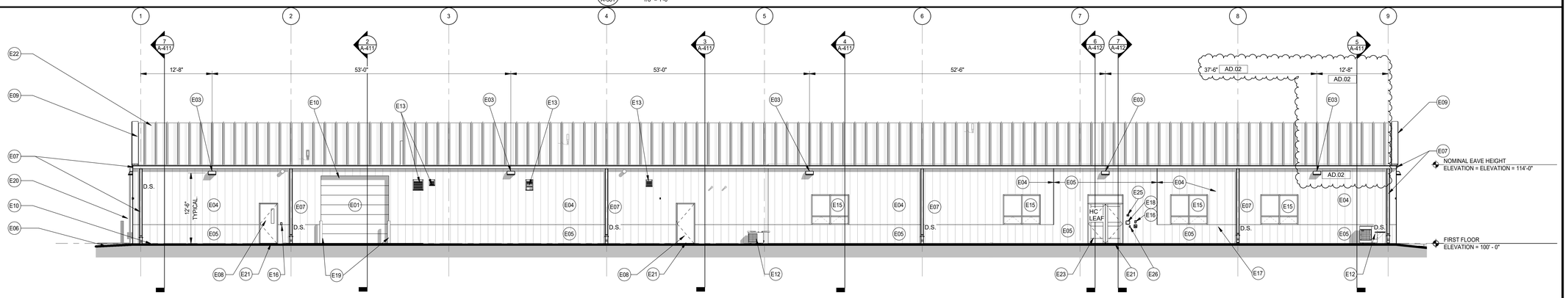
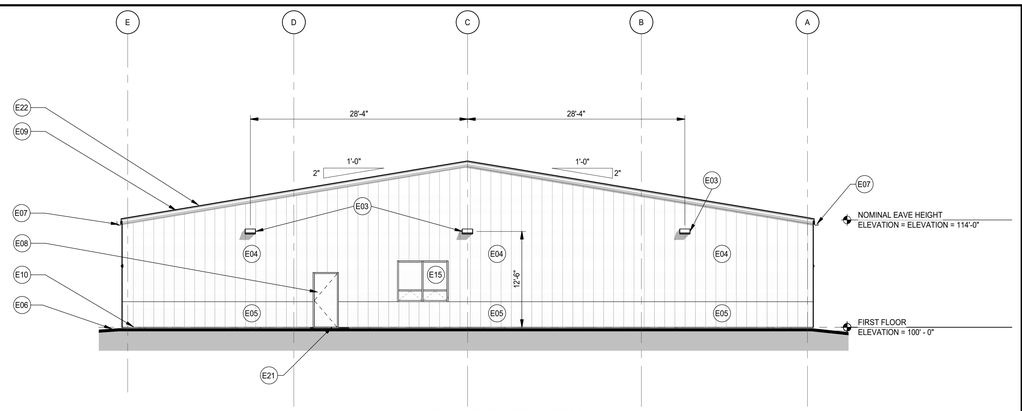


1 A-301 **NORTH ELEVATION**
1/8" = 1'-0"



2 A-301 **SOUTH ELEVATION**
1/8" = 1'-0"



3 A-301 **EAST ELEVATION**
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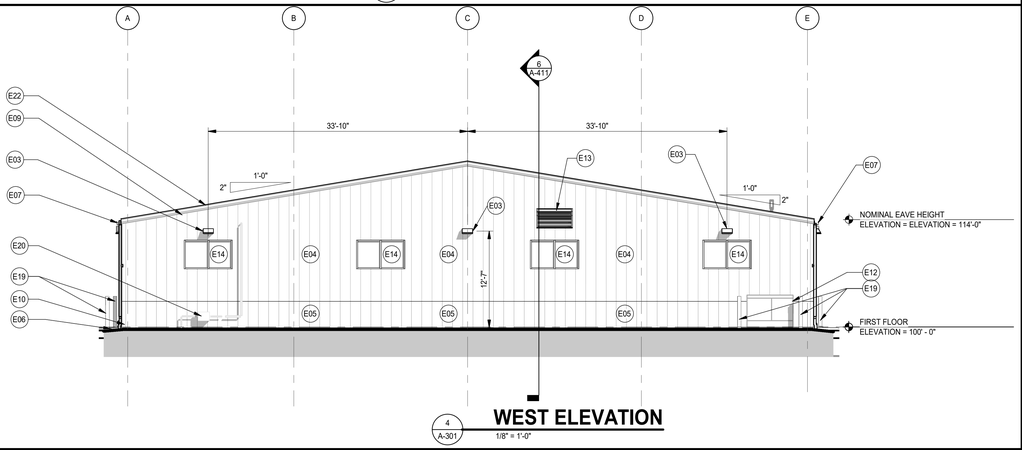

4 A-301 **WEST ELEVATION**
1/8" = 1'-0"

GENERAL ELEVATION NOTES:

A. REFER TO STRUCTURAL. DRAWINGS FOR FOUNDATION WALLS AND FOOTINGS.

B. REFER TO FLOOR PLANS FOR EXTERIOR WALL SECTIONS CUTS, UNLESS INDICATED OTHERWISE.

C. FOR LOCATION AND MOUNTING HEIGHTS OF CAMERAS, SPEAKERS, LIGHTS, HORNS, ETC. REFER TO ELECTRICAL AND TECHNOLOGY DRAWINGS.

D. ALL NEW FACE BRICK SHALL BE MODULAR RUNNING BOND UNLESS NOTED OTHERWISE.

E. FINISH GRADE INDICATES ON ELEVATIONS ARE FOR DRAWING PURPOSES ONLY. REFER TO CIVIL DRAWINGS FOR ACTUAL GRADES. COORDINATE STEPPED FLASHING WITH ACTUAL GRADES FOR CELL VENTS TO BE ABOVE GRADE.

F. STEP BRICK LEDGE DOWN AS REQUIRED FOR LEDGE TO BE BELOW GRADE OR CONCRETE WALK. COORDINATE WITH CIVIL DRAWINGS.

G. (CJ) INDICATES CONTROL JOINT. REFER TO DETAIL 1 AND 2/A-410

H. (EJ) INDICATED BUILDING EXPANSION JOINT. REFER TO DETAIL X/A-XXX

BRICK & STONE TYPE NOTES:

AD.02 B1A FACE BRICK COLOR A - COMMON BOND, (HEADER COURSE EVERY 6 COURSES - MODULAR SIZE. FIELD VERIFY MATCH VALE.

ELEVATION NOTES

E01 MOTOR OPPERATED INSULATED SECTIONAL OVERHEAD DOOR.
E03 LIGHT FIXTURE REFER TO ELECTRICAL.
E04 PREFINISHED METAL SIDING WITH R-13 INSULATION - COLOR A.
E05 PREFINISHED METAL SIDING WITH R-13 INSULATION - COLOR B.
E06 FINISH GRADE, REFER TO CIVIL DRAWINGS.
E07 PREFINISHED METAL GUTTER AND DOWNSPOUT TIE INTO STORM SEWER WITH CAST IRON BOOTS PAINT BOOTS. REFER TO CIVIL.
E08 FIBERGLASS DOOR IN ALUMINUM FRAME.
E09 PREFINISHED METAL RAKE.
E10 PREFINISHED METAL CLOSURE TRIM /DRIP.
E11 6'-0"H CHAIN LINK FENCE AND GATE WITH SLATS.
E12 MECHANICAL EQUIPMENT REFER TO MECHANICAL DRAWINGS.
E13 ARCHITECTURAL LOUVER. REFER TO MECHANICAL FOR DAMPER ETC.
E14 FIXED GLAZING IN ALUMINUM FRAME.
E15 INSULATED GLAZING IN FIXED OVER PROJECT IN ALUMINUM WINDOW.
E16 CARD/FOB READER. REFER TO ELECTRICAL/TECHNOLOGY DRAWINGS.
E17 PUSH PAD FOR ADA OPERATOR. REFER TO ELECTRICAL/TECHNOLOGY DRAWINGS.
E18 AI DEVICE REFER TO ELECTRICAL/TECHNOLOGY DRAWINGS
E19 6" DIAMETER PIPE BOLLARD REFER TO CIVIL.
E20 GAS SERVICE REFER TO MECHANICAL.
E21 CONCRETE VOID SLAB. REFER TO STRUCTURAL.
E22 PREFINISHED METAL ROOF.
E23 ALUMINUM STOREFRONT WITH INSULATED GLAZING.
E24 OWNER FURNISHED DUMPSTER.
E25 KNOX BOX. COORDINATE LOCATION WITH LOCAL AUTHORITY HAVING JURISDICTION.
E26 HOSE BIBB. REFER TO PLUMBING.

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PROJECT:

NEW MAINTENANCE AND IT BUILDING

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553 HAYES LEONARD RD,
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PROJECT
25-112
DATE
09/04/2025
COORDINATED BY
JB JF
DRAWN BY
JF CA MM
CHECKED BY
JF

JOSEPH P. FITZGERALD
REGISTERED
NO. 11600109
STATE OF INDIANA
ARCHITECT

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REVISIONS

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AD.02	09/18/25	Addendum #2

DRAWING
EXTERIOR BUILDING ELEVATIONS

PROJECT
NEW MAINTENANCE AND IT BUILDING

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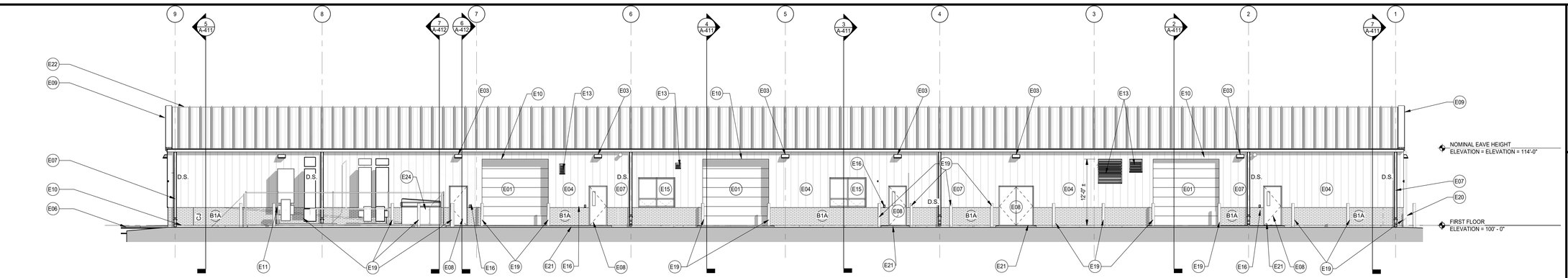
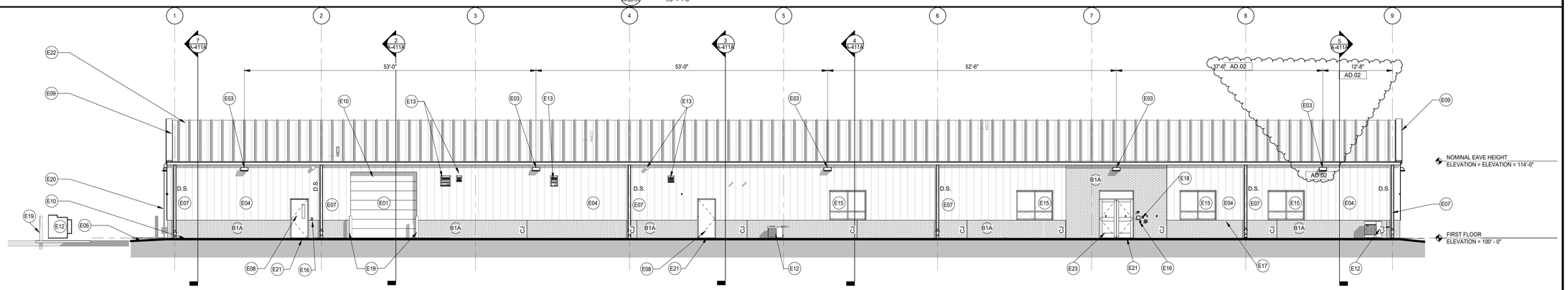
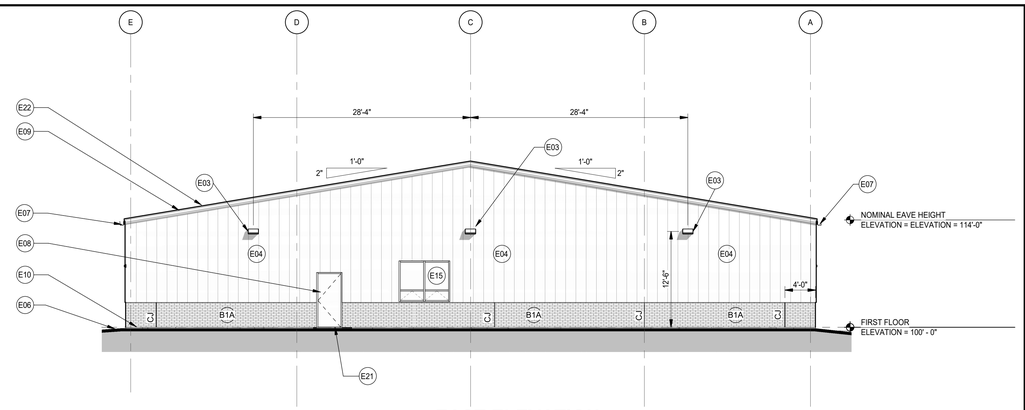


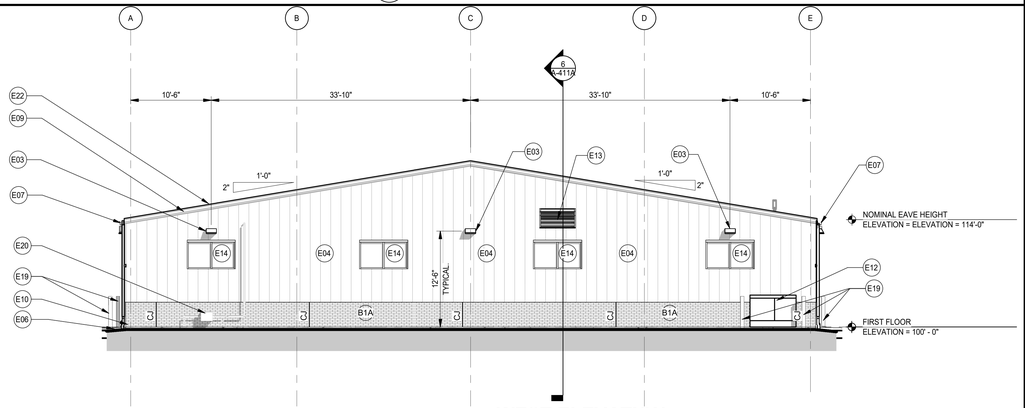
1 A-301A — **NORTH ELEVATION**
1/8" = 1'-0"



2 A-301A — **SOUTH ELEVATION**
1/8" = 1'-0"



3 A-301A — **EAST ELEVATION**
1/8" = 1'-0"



4 A-301A — **WEST ELEVATION**
1/8" = 1'-0"

GENERAL ELEVATION NOTES:

A. REFER TO STRUCTURAL. DRAWINGS FOR FOUNDATION WALLS AND FOOTINGS.

B. REFER TO FLOOR PLANS FOR EXTERIOR WALL SECTIONS CUTS, UNLESS INDICATED OTHERWISE.

C. FOR LOCATION AND MOUNTING HEIGHTS OF CAMERAS, SPEAKERS, LIGHTS, HORNS, ETC. REFER TO ELECTRICAL AND TECHNOLOGY DRAWINGS.

D. ALL NEW FACE BRICK SHALL BE MODULAR RUNNING BOND UNLESS NOTED OTHERWISE.

E. FINISH GRADE INDICATES ON ELEVATIONS ARE FOR DRAWING PURPOSES ONLY. REFER TO CIVIL DRAWINGS FOR ACTUAL GRADES. COORDINATE STEPPED FLASHING WITH ACTUAL GRADES FOR CELL VENTS TO BE ABOVE GRADE.

F. STEP BRICK LEDGE DOWN AS REQUIRED FOR LEDGE TO BE BELOW GRADE OR CONCRETE WALK. COORDINATE WITH CIVIL DRAWINGS.

G. (CJ) INDICATES CONTROL JOINT. REFER TO DETAIL 1 AND 2/A-410

H. (EJ) INDICATED BUILDING EXPANSION JOINT. REFER TO DETAIL X/A-XXX

BRICK & STONE TYPE NOTES:

AD.02 — B1A — FACE BRICK COLOR A - COMMON BOND, (HEADER COURSE EVERY 6 COURSES - MODULAR SIZE. FIELD VERIFY MATCH VALE.

ELEVATION NOTES

E01 MOTOR OPPERATED INSULATED SECTIONAL OVERHEAD DOOR.
E03 LIGHT FIXTURE REFER TO ELECTRICAL.
E04 PREFINISHED METAL SIDING WITH R-13 INSULATION - COLOR A.
E05 PREFINISHED METAL SIDING WITH R-13 INSULATION - COLOR B.
E06 FINISH GRADE. REFER TO CIVIL DRAWINGS.
E07 PREFINISHED METAL GUTTER AND DOWNSPOUT TIE INTO STORM SEWER WITH CAST IRON BOOTS PAINT BOOTS. REFER TO CIVIL.
E08 FIBERGLASS DOOR IN ALUMINUM FRAME.
E09 PREFINISHED METAL RAKE.
E10 PREFINISHED METAL CLOSURE TRIM /DRIP.
E11 6'-0"H CHAIN LINK FENCE AND GATE WITH SLATS.
E12 MECHANICAL EQUIPMENT REFER TO MECHANICAL DRAWINGS.
E13 ARCHITECTURAL LOUVER. REFER TO MECHANICAL FOR DAMPER ETC.
E14 FIXED GLAZING IN ALUMINUM FRAME.
E15 INSULATED GLAZING IN FIXED OVER PROJECT IN ALUMINUM WINDOW.
E16 CARD/FOB READER. REFER TO ELECTRICAL/TECHNOLOGY DRAWINGS.
E17 PUSH PAD FOR ADA OPERATOR. REFER TO ELECTRICAL/TECHNOLOGY DRAWINGS.
E18 AI DEVICE REFER TO ELECTRICAL/TECHNOLOGY DRAWINGS
E19 6" DIAMETER PIPE BOLLARD REFER TO CIVIL.
E20 GAS SERVICE REFER TO MECHANICAL.
E21 CONCRETE VOID SLAB. REFER TO STRUCTURAL.
E22 PREFINISHED METAL ROOF.
E23 ALUMINUM STOREFRONT WITH INSULATED GLAZING.
E24 OWNER FURNISHED DUMPSTER.
E25 KNOX BOX. COORDINATE LOCATION WITH LOCAL AUTHORITY HAVING JURISDICTION.
E26 HOSE BIBB. REFER TO PLUMBING.

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VALPARAISO COMMUNITY SCHOOLS
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PROJECT 25-112
DATE 09/04/2025
COORDINATED BY JF
DRAWN BY JF
CHECKED BY JF

JOSEPH P. FITZGERALD — REGISTERED — NO. 11600109 — STATE OF INDIANA — ARCHITECT

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DRAWING
EXTERIOR BUILDING ELEVATIONS - ALTERNATE

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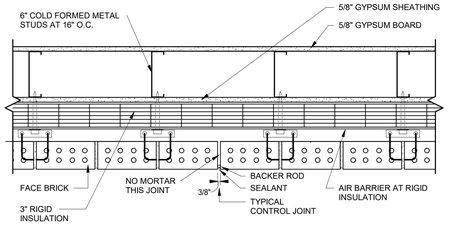
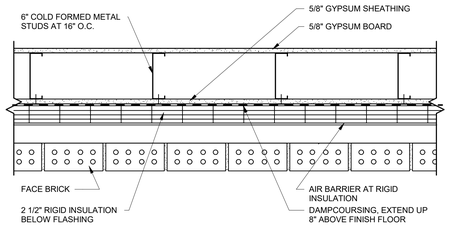


BED JOINT #2



BED JOINT #1

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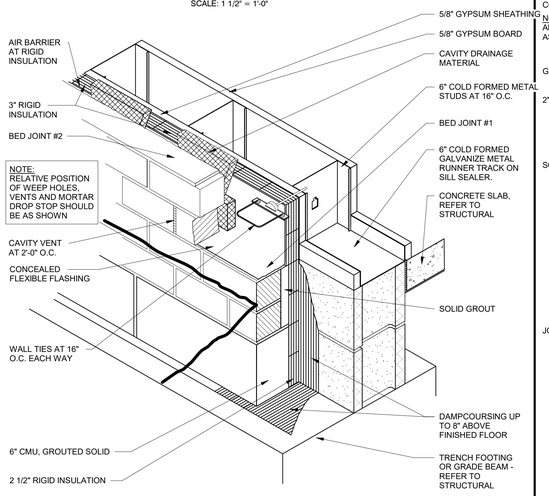
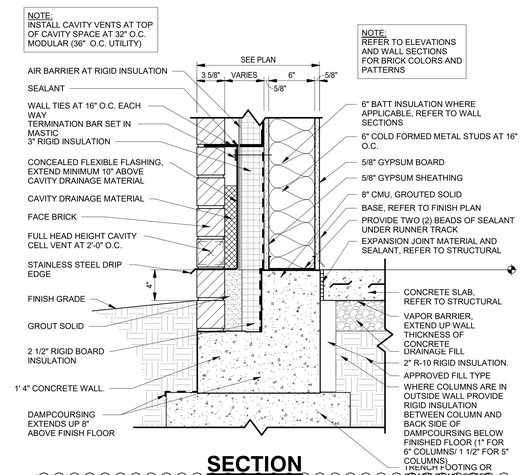


WALL ASSEMBLY ISOMETRIC

NOT TO SCALE

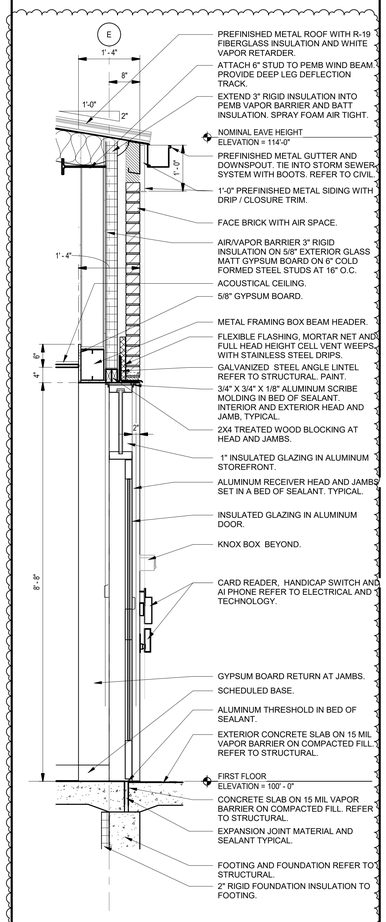


SECTION

AD.02

ALTERNATE
TYPICAL EXTERIOR STUD WALL DETAILS

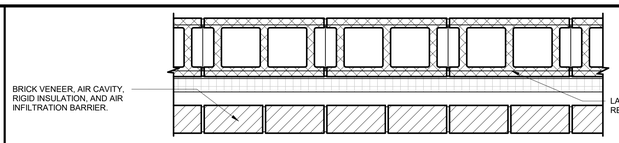
2 A-410 — 1 1/2" = 1'-0"



AD.02

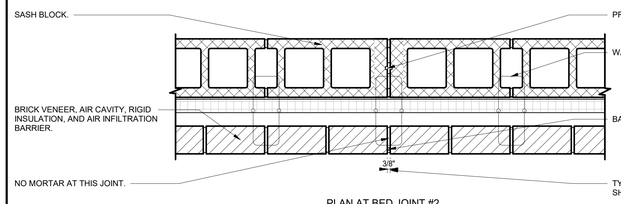
ALTERNATE
WALL SECTION DOOR 100B

3 A-410 — 3/4" = 1'-0"



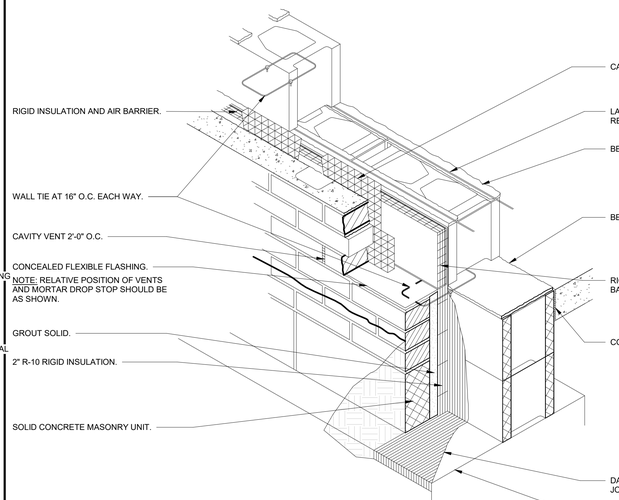
PLAN AT BED JOINT #1

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



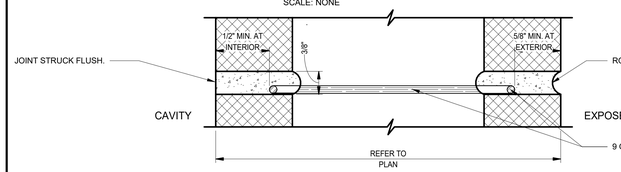
PLAN AT BED JOINT #2

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



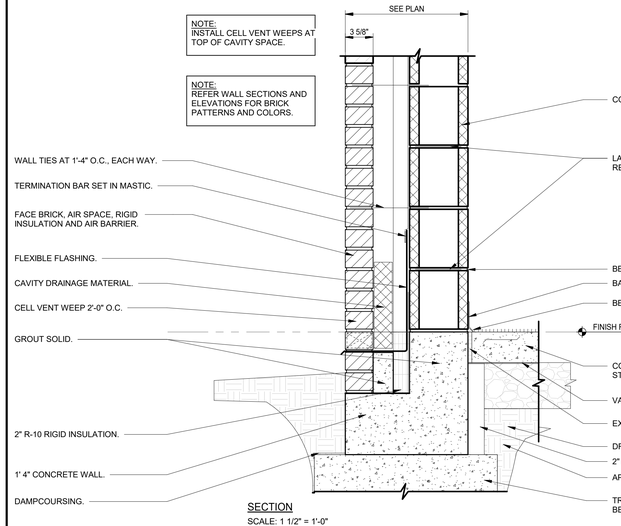
ISOMETRIC WALL ASSEMBLY

SCALE: NONE



DETAIL AT BED JOINT #1

SCALE: FULL SIZE



SECTION

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

AD.02

ALTERNATE
TYPICAL EXTERIOR MASONRY WALL CONSTRUCTRUCTION DETAIL

1 A-410 — Scale: AS INDICATED

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PROJECT 25-112
DATE 09/04/2025
COORDINATED BY JKF
DRAWN BY JKF
CHECKED BY JKF

JOSEPH P. BRIGGS REGISTERED NO. 11600109 STATE OF INDIANA ARCHITECT

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DRAWING
WALL SECTIONS & DETAILS

PROJECT
NEW MAINTENANCE AND IT BUILDING

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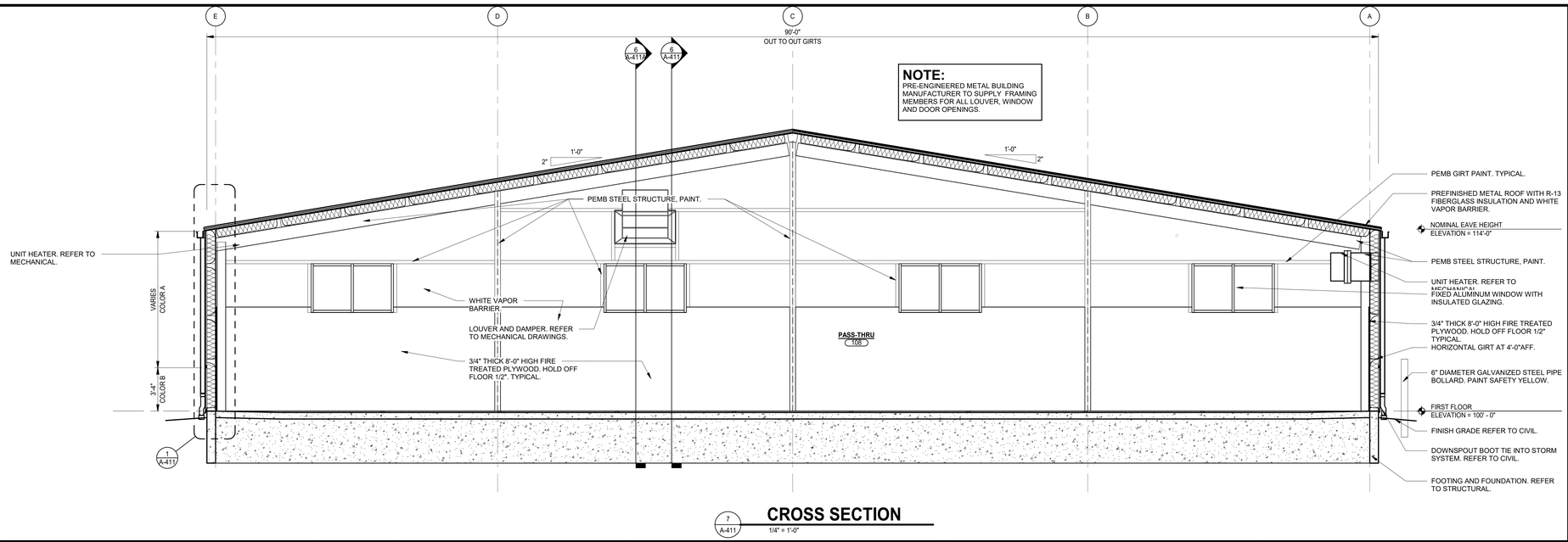
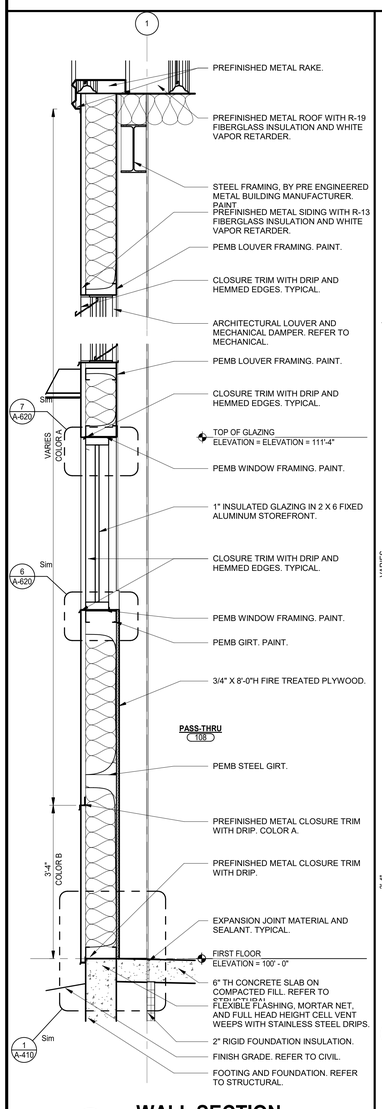


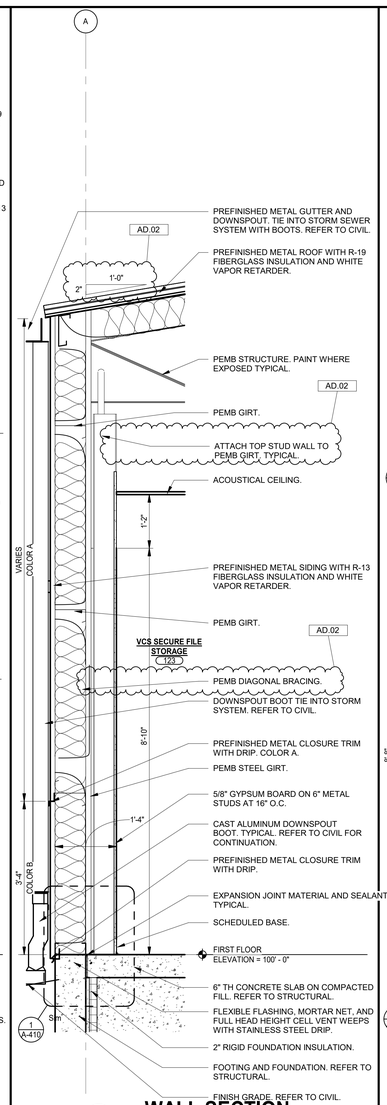
CROSS SECTION

7 A-411 — 1/4" = 1'-0"



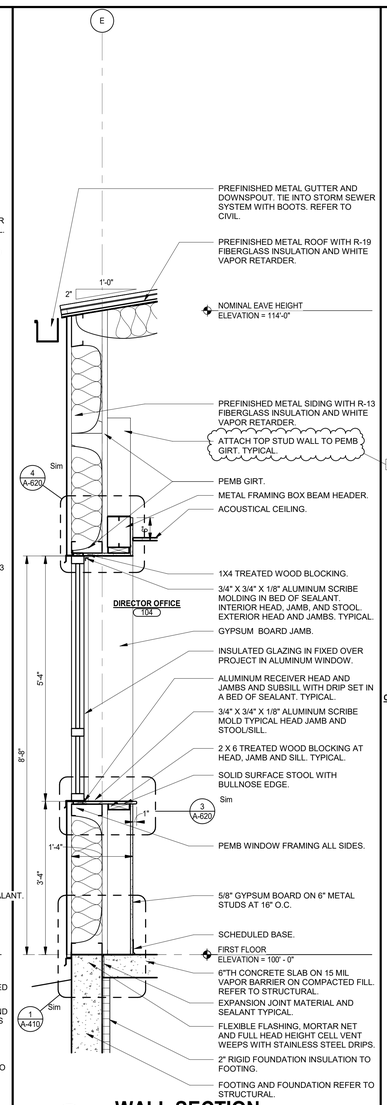
6 A-411 — 3/4" = 1'-0"

WALL SECTION



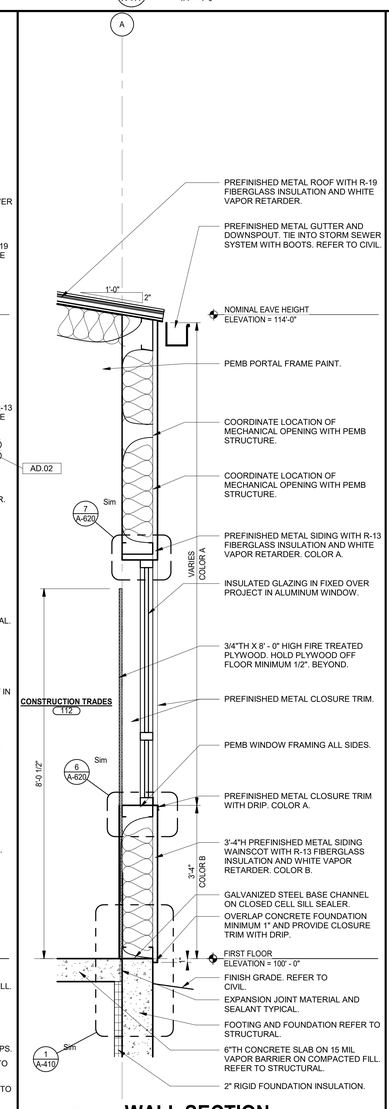
5 A-411 — 3/4" = 1'-0"

WALL SECTION



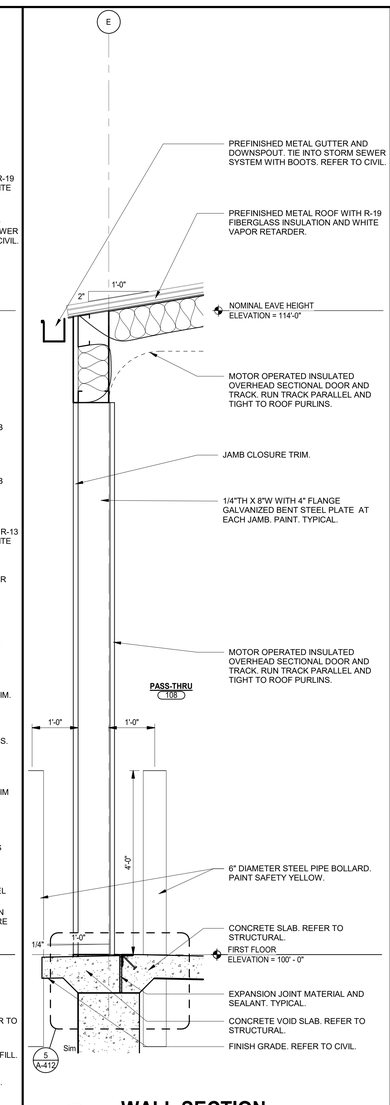
4 A-411 — 3/4" = 1'-0"

WALL SECTION



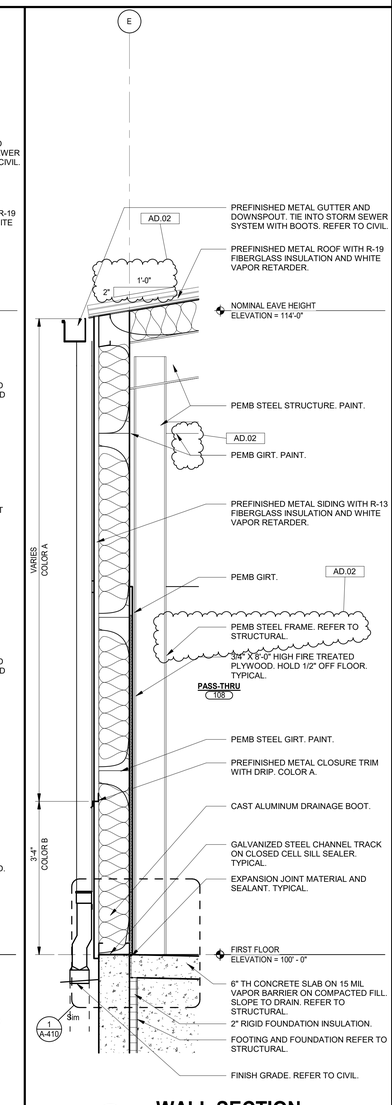
3 A-411 — 3/4" = 1'-0"

WALL SECTION



2 A-411 — 3/4" = 1'-0"

WALL SECTION



1 A-411 — 3/4" = 1'-0"

WALL SECTION

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PROJECT 25-112
DATE 09/04/2025
COORDINATED BY JKF
DRAWN BY CJA
CHECKED BY JKF

JOSEPH P. BRIGGS REGISTERED NO. 11600109 STATE OF INDIANA ARCHITECT

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DRAWING
WALL SECTIONS & DETAILS

PROJECT
NEW MAINTENANCE AND IT BUILDING

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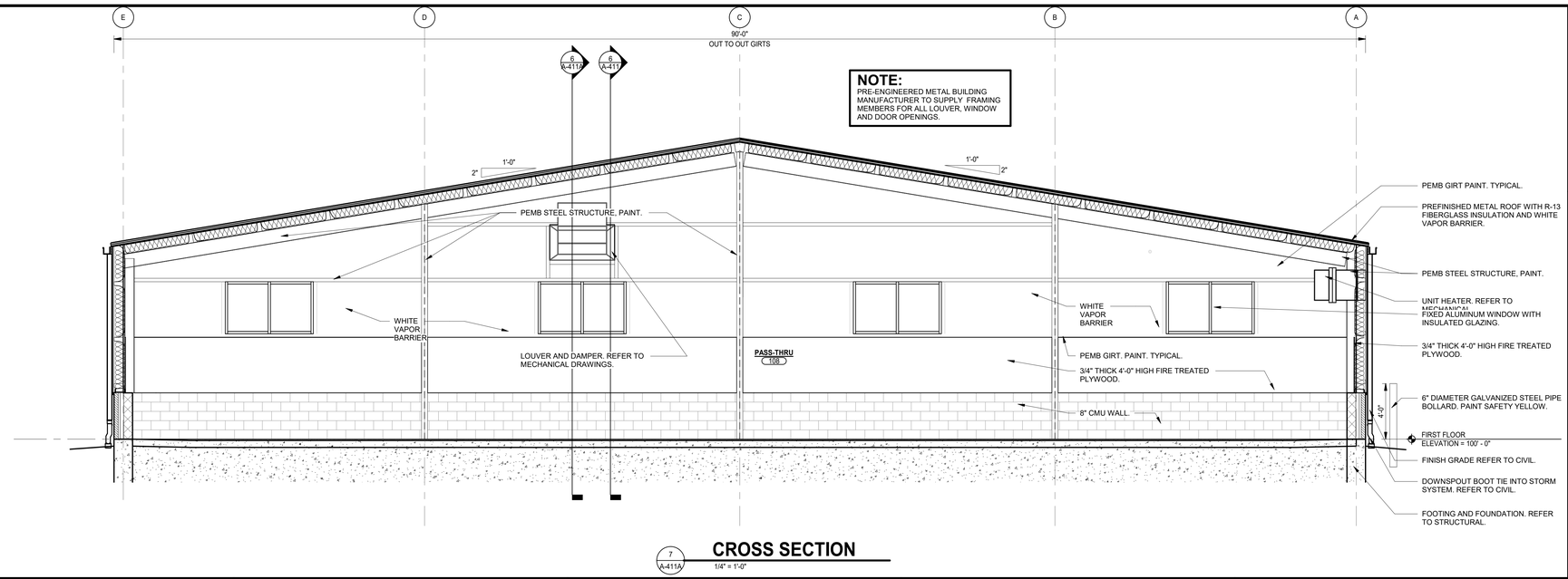
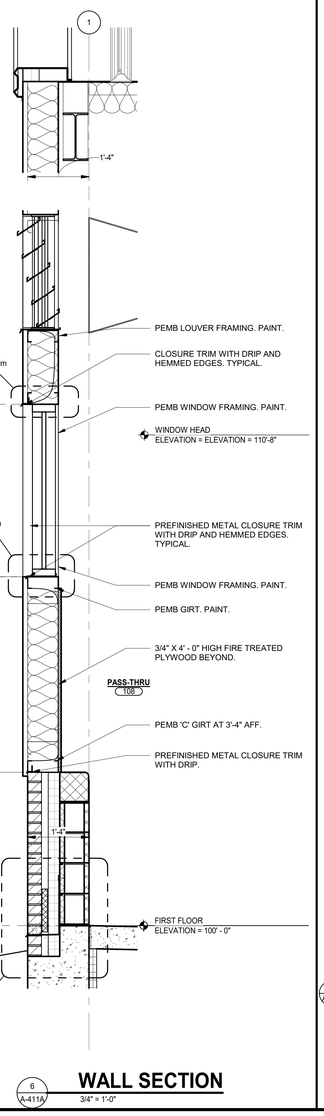
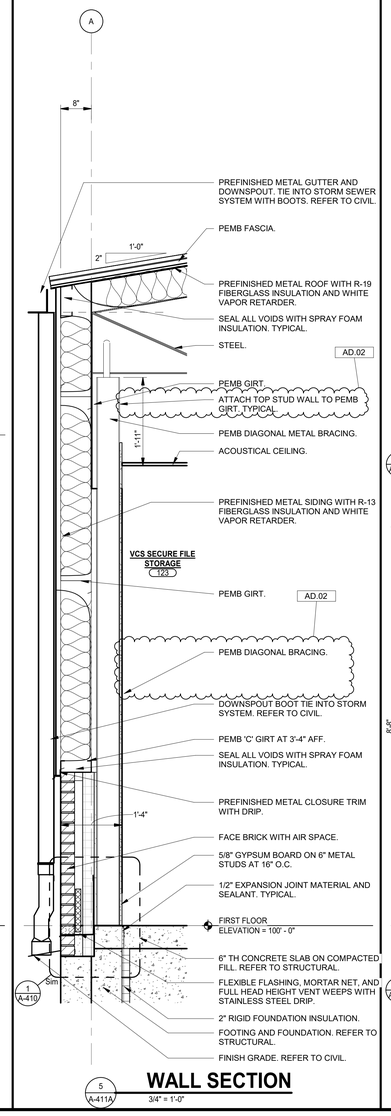


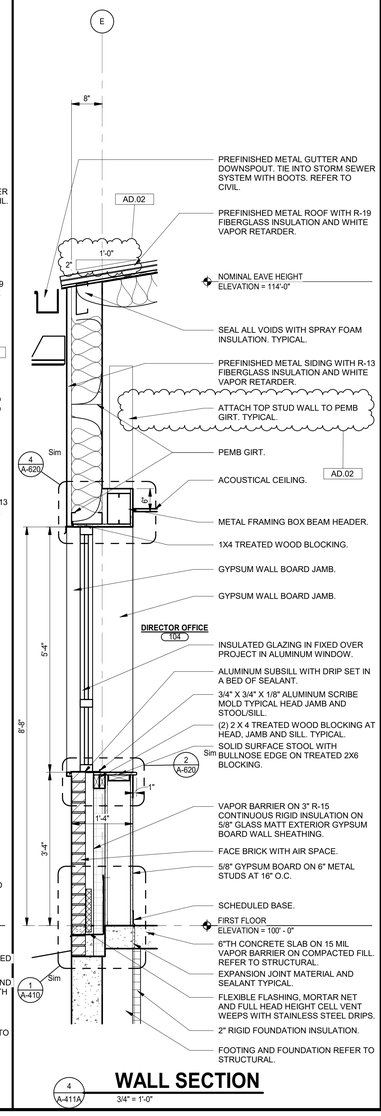
7 A-411A **CROSS SECTION**
1/4" = 1'-0"



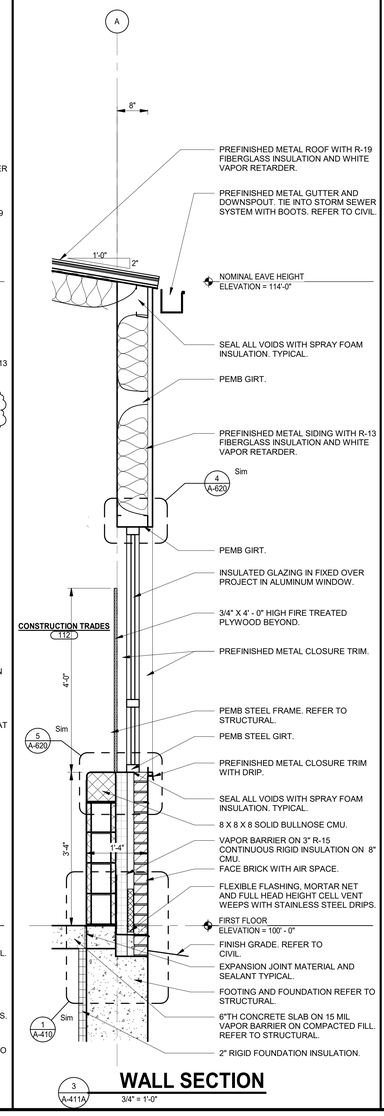
6 A-411A **WALL SECTION**
3/4" = 1'-0"



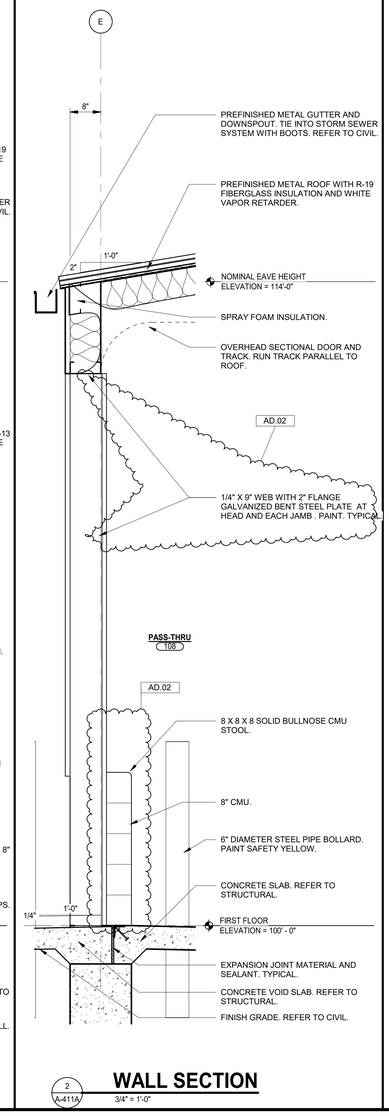
5 A-411A **WALL SECTION**
3/4" = 1'-0"



4 A-411A **WALL SECTION**
3/4" = 1'-0"



3 A-411A **WALL SECTION**
3/4" = 1'-0"



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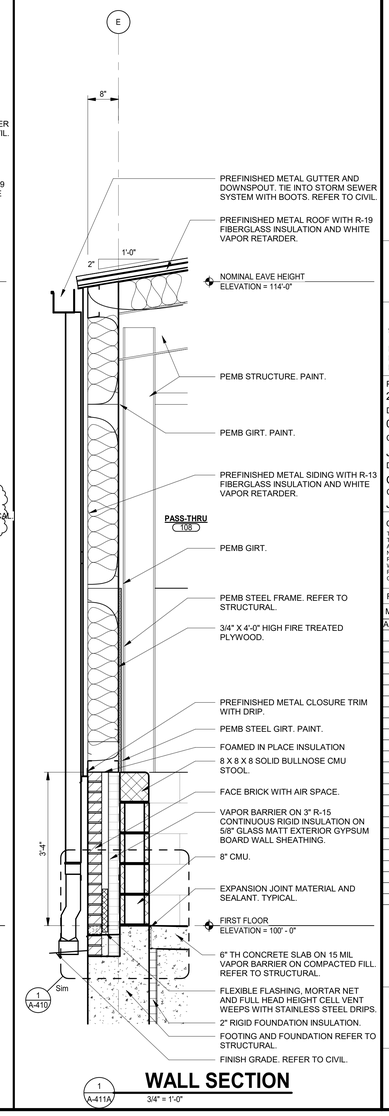
3/4" = 1'-0"



1 A-411A **WALL SECTION**
3/4" = 1'-0"

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PROJECT
25-112
DATE
09/04/2025
COORDINATED BY
JKF
DRAWN BY
CJA
CHECKED BY
JKF

JOSEPH P. BRIGGS REGISTERED NO. 11600109 STATE OF INDIANA ARCHITECT

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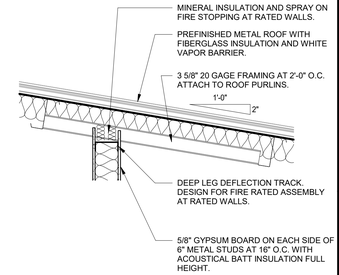
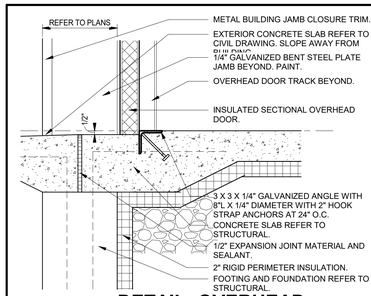


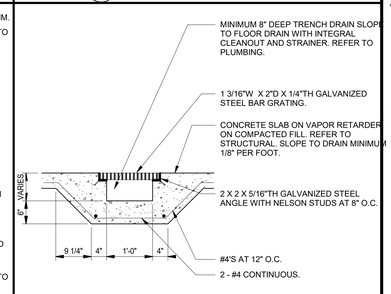
WALL TO ROOF TIE-IN

4 / A-412 — 3/4" = 1'-0"



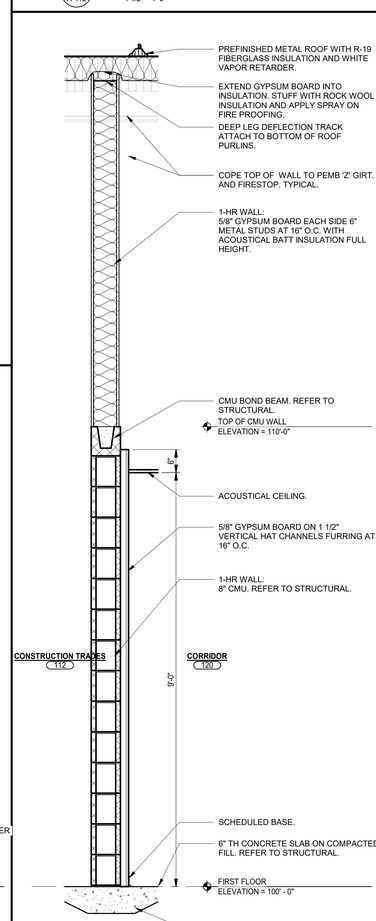
DETAIL: OVERHEAD DOOR THRESHOLD

5 / A-412 — 1 1/2" = 1'-0"



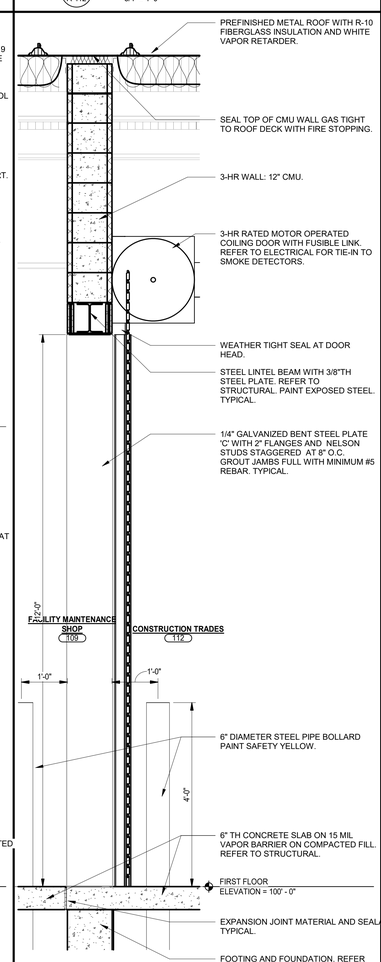
DETAIL: TRENCH DRAIN

3 / A-412 — 3/4" = 1'-0"



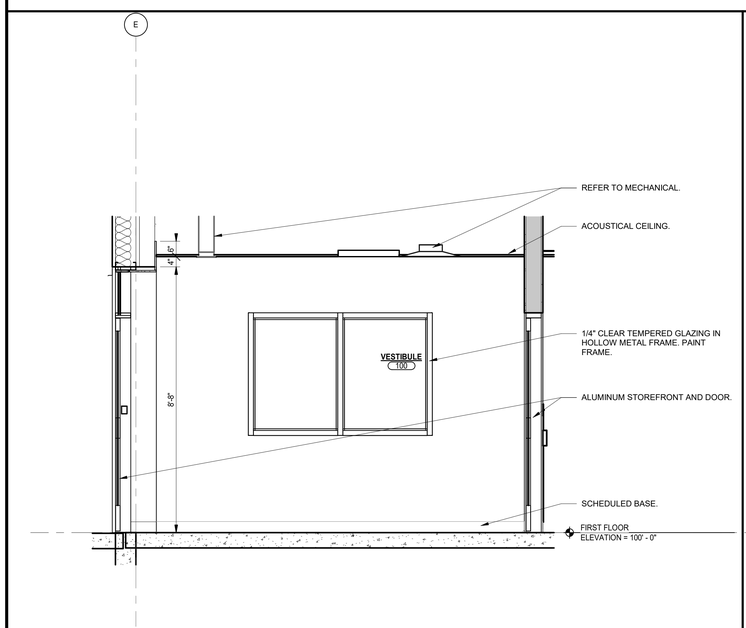
WALL SECTION

2 / A-412 — 3/4" = 1'-0"



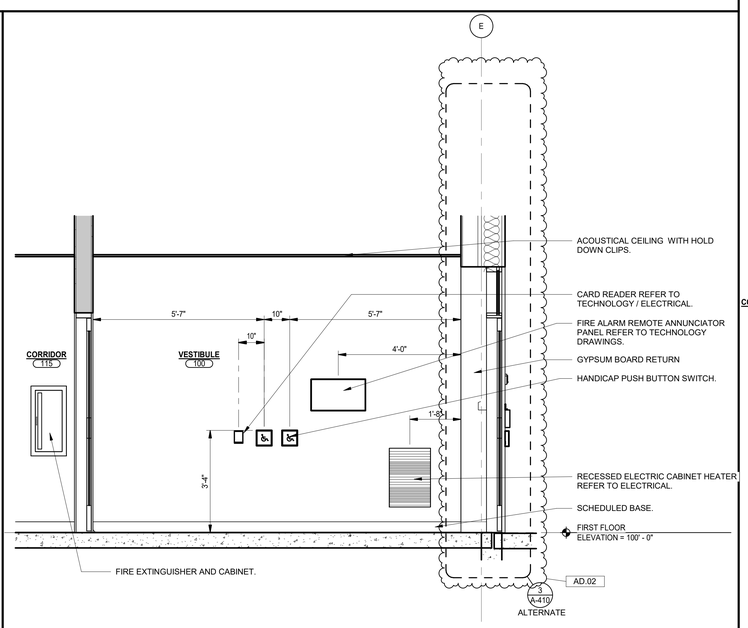
WALL SECTION

1 / A-412 — 3/4" = 1'-0"



ELEVATION VETIBULE 100

6 / A-412 — 1/2" = 1'-0"



ELEVATION VETIBULE 100

7 / A-412 — 1/2" = 1'-0"

9/18/2025 12:30:11 PM
C:\Users\jfitzgerald\Documents\25-112 Valpo New Building - ARCH R25_jfitzgeraldkTEWK.rvt

GIBRALTAR DESIGN
ARCHITECTURE · ENGINEERING · INTERIOR DESIGN

PROJECT:

NEW MAINTENANCE AND IT BUILDING

VALPARAISO COMMUNITY SCHOOLS
553 HAYES LEONARD RD,
VALPARAISO, IN, 46385

100% CD SET

GIBRALTAR 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
25-112
DATE
09/04/2025
COORDINATED BY
JKF
DRAWN BY
CJA
CHECKED BY
JKF

JOSEPH P. FITZGERALD
REGISTERED
NO.
11600109
STATE OF
INDIANA
ARCHITECT

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REVISIONS

MARK	DATE	ISSUED FOR
AD.02	09/18/25	Addendum #2

DRAWING
WALL SECTIONS & DETAILS

PROJECT
NEW MAINTENANCE AND IT BUILDING

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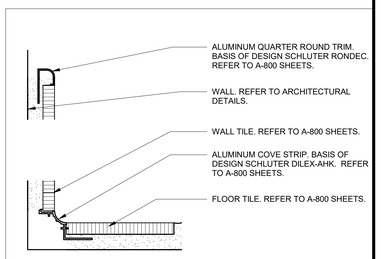
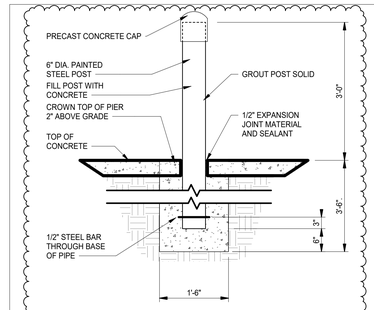
SHEET
A-412



6 A-501 DETAIL: TILE TO TILE COVE

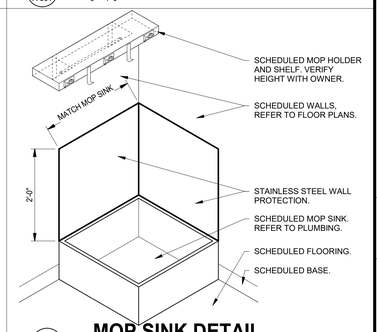
6" = 1'-0"



7 A-501 PIPE BOLLARD DETAIL

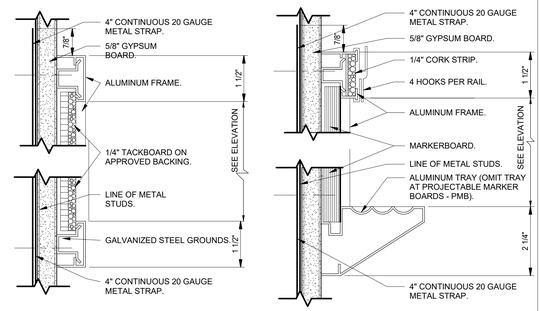
3/4" = 1'-0"

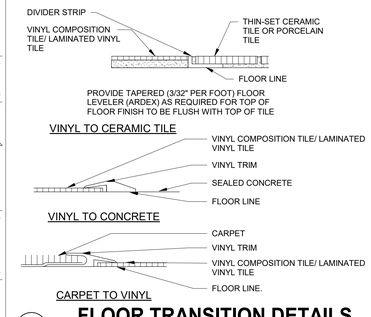
AD.02



4 A-501 MOP SINK DETAIL

3/4" = 1'-0"

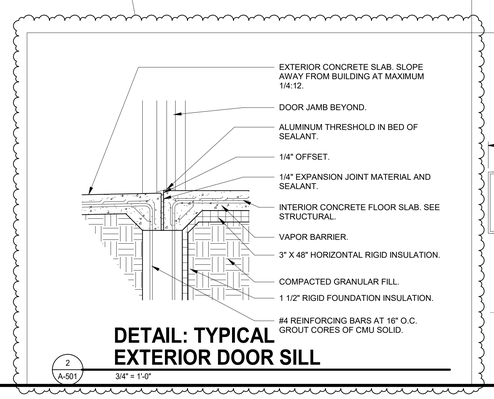




3 A-501 FLOOR TRANSITION DETAILS

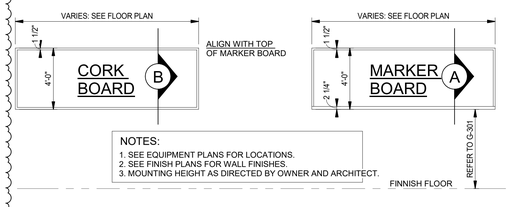
6" = 1'-0"

AD.02



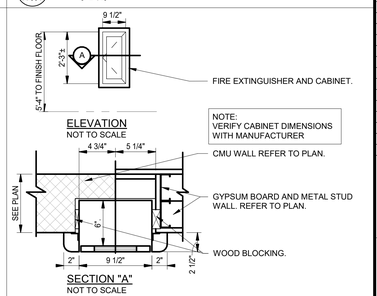
2 A-501 DETAIL: TYPICAL EXTERIOR DOOR SILL

3/4" = 1'-0"



5 A-501 MARKER/CORKBOARD ELEVATIONS

1/4" = 1'-0"



1 A-501 DETAIL: SEMI RECESSED FIRE EXTINGUISHER CABINET

1 1/2" = 1'-0"

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PROJECT
25-112
DATE
09/04/2025
COORDINATED BY
JF
DRAWN BY
MMM, CJA
CHECKED BY
JF

JOSEPH P. BRIGGS REGISTERED NO. 11600109 STATE OF INDIANA ARCHITECT

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DRAWING
TYPICAL DETAILS

PROJECT
NEW MAINTENANCE AND IT BUILDING

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SHEET
A-501

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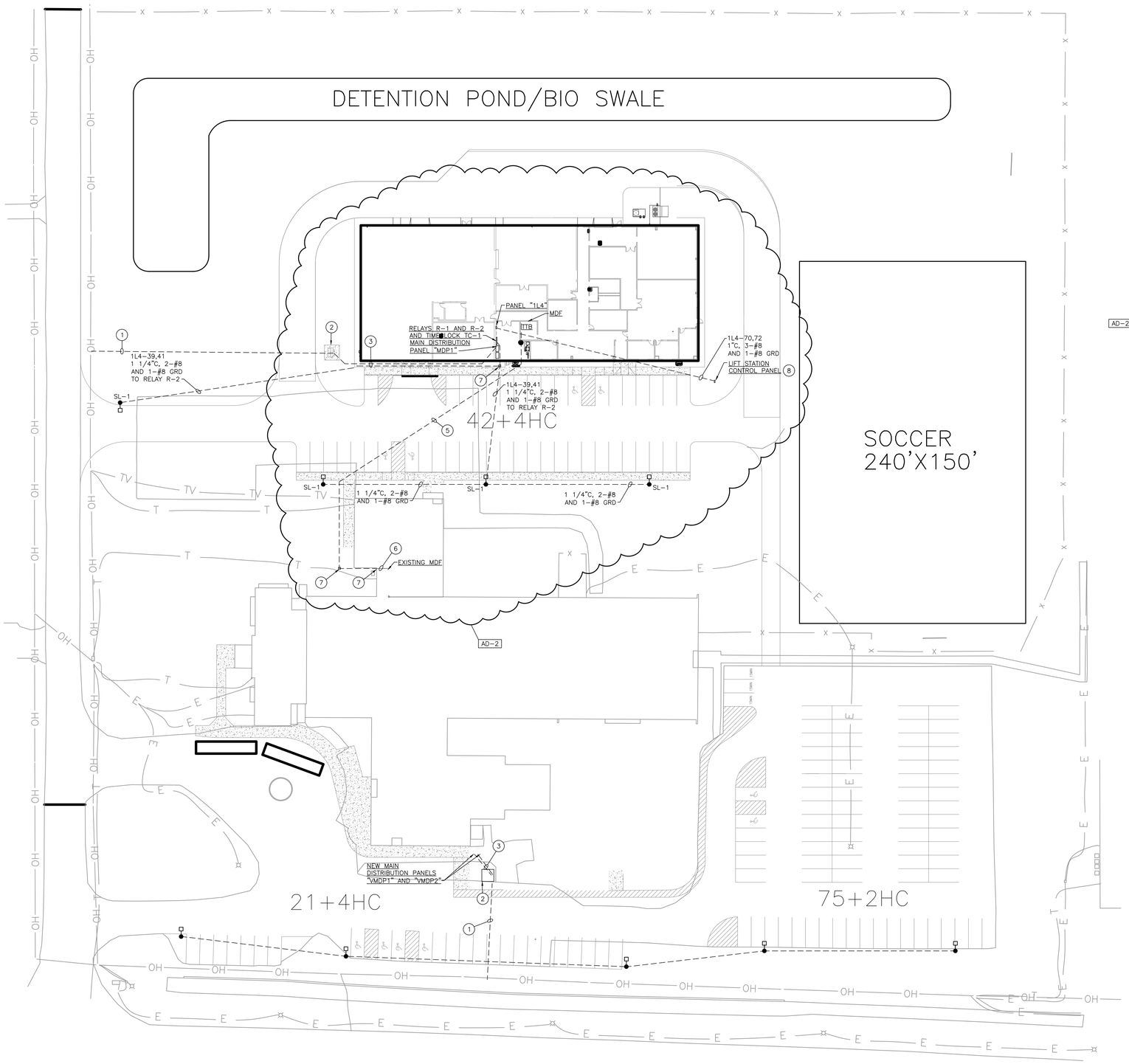
SITE PLAN NOTES - GENERAL

1. ALL WORK SHOWN ON THIS SHEET IS NEW AND BY THE ELECTRICAL TRADES, UNLESS OTHERWISE INDICATED.
2. RELOCATE OR REMOVE ANY OR ALL EXISTING SERVICES, POLES, ETC., AS MAY BE REQUIRED TO ACCOMMODATE NEW CONSTRUCTION, UNLESS OTHERWISE INDICATED.
3. COORDINATE LOCATIONS OF UNDERGROUND CONDUITS, HANDHOLES AND MANHOLES WITH OTHER SITE UTILITIES, UNDERGROUND DRAINS, SERVICES, STRUCTURES AND FINAL GRADING.
4. NOT ALL UTILITIES HAVE BEEN SHOWN. VERIFY LOCATIONS AND ROUTING OF ALL NEW AND EXISTING UTILITIES PRIOR TO ANY NEW WORK.
5. FOR ADDITIONAL GENERAL ELECTRICAL NOTES, SEE GENERAL ELECTRICAL PROJECT NOTES ON SHEET E-001.
6. SEE E-600 SHEETS FOR ELECTRICAL DETAILS AND SCHEDULES.
7. ALL RACEWAYS, PULL BOXES, ETC. FOR TECHNOLOGY CABLING PROVIDED BY DIVISION 26. CABLNG PROVIDED BY DIVISION 27. SEE TECHNOLOGY DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL INFORMATION AND PULL BOXES AND RACEWAY REQUIREMENTS.



ELECTRICAL SITE PLAN NOTES:

(THESE NOTES APPLY TO THIS SHEET ONLY)

1. NEW 4" CONDUIT FOR NEW INCOMING PRIMARY ELECTRICAL SERVICE.
2. NEW UTILITY COMPANY PAD MOUNTED TRANSFORMER. PROVIDE PAD, GROUNDING, ETC PER NIPSCO STANDARDS.
3. NEW SECONDARY ELECTRICAL SERVICE. SEE POWER DISTRIBUTION DIAGRAM ON SHEET E-701 FOR FEEDER INFORMATION.
4. NEW 4" CONDUIT FOR NEW INCOMING TECHNOLOGY/COMMUNICATION SYSTEMS SERVICES.
5. AD-2 — TWO (2) 3" CONDUITS 26 ROUTED UNDERGROUND TO VALE ELEMENTARY SCHOOL TO A WEATHERPROOF PULL BOX LOCATED ON THE OUTSIDE OF THE BUILDING. COORDINATE EXACT ROUTING WITH ARCHITECT AND OWNER PRIOR TO ROUGHING-IN. PULL BOX, CONDUITS AND ROUGH-INS PROVIDED BY DIVISION 26. CABLING BY DIVISION 27. SEE TECHNOLOGY DRAWINGS FOR ADDITIONAL INFORMATION.
6. ROUTE TWO (2) 3" CONDUITS DIVISION 26 FROM THE WEATHERPROOF PULL BOX UP THE WALL TO LB-FITTING AND THEN THROUGH THE WALL INTO THE BUILDING CONCEALED OVERHEAD TO THE EXISTING MDF. COORDINATE EXACT ROUTING WITH ARCHITECT AND OWNER PRIOR TO ROUGHING-IN. CONDUITS AND ROUGH-INS PROVIDED BY DIVISION 26. CABLING BY DIVISION 27. SEE TECHNOLOGY DRAWINGS FOR ADDITIONAL INFORMATION.
7. FLUSH IN-GROUND PULL BOX.
8. COORDINATE ELECTRICAL REQUIREMENTS WITH THE LIFT STATION INSTALLER, CONSTRUCTION MANAGER AND ARCHITECT PRIOR TO ROUGHING-IN AND PROVIDE ALL OF THE NECESSARY LABOR AND MATERIAL TO PROVIDE A COMPLETE AND OPERATIONAL SYSTEM.

ELECTRICAL SITE PLAN

SCALE: 1" = 30'-0"

NORTH

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ARCHITECTURE ENGINEERING INTERIOR DESIGN

PROJECT

NEW MAINTENANCE AND IT BUILDING

VALPARAISO COMMUNITY SCHOOLS

553 HAYES LEONARD RD,
VALPARAISO, IN 46385

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PROJECT 25-112
DATE 09/04/25
COORDINATED BY PCB
DRAWN BY PCB/JVC
CHECKED BY DJ

DAVID S. JANNEY — REGISTERED NO. 10302590 — STATE OF INDIANA — PROFESSIONAL ENGINEER

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AD-2	09/18/25	ADDENDUM NO. 2

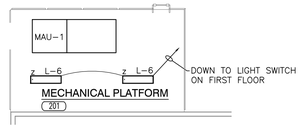
DRAWING
ELECTRICAL SITE PLAN

PROJECT
NEW MAINTENANCE AND IT BUILDING

GIBRALTAR DESIGN

SHEET
ES101

Y:\25-112 VALPARAISO CS - NEW MAINTENANCE AND IT BUILDING\25-112 REVIT\06 MISC\ELEC\ES101.DWG



MECHANICAL PLATFORM ELECTRICAL LIGHTING PLAN

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

GENERAL NOTES:

1. FOR ADDITIONAL GENERAL ELECTRICAL NOTES, SEE GENERAL ELECTRICAL PROJECT NOTES ON SHEET E-001.
2. SEE E-500, E-600 AND E-700 SHEETS FOR ELECTRICAL DETAILS, SCHEDULES AND ELECTRICAL DISTRIBUTION DIAGRAMS.
3. SEE TECHNOLOGY DRAWINGS FOR ADDITIONAL WORK. ROUTE ALL TECHNOLOGY CABLING IN CONDUIT. VERIFY EXACT LOCATIONS AND ELECTRICAL REQUIREMENTS WITH THE TECHNOLOGY INSTALLER, ARCHITECT, CONSTRUCTION MANAGER AND OWNER PRIOR TO ROUGHING-IN.

ELECTRICAL PLAN NOTES:

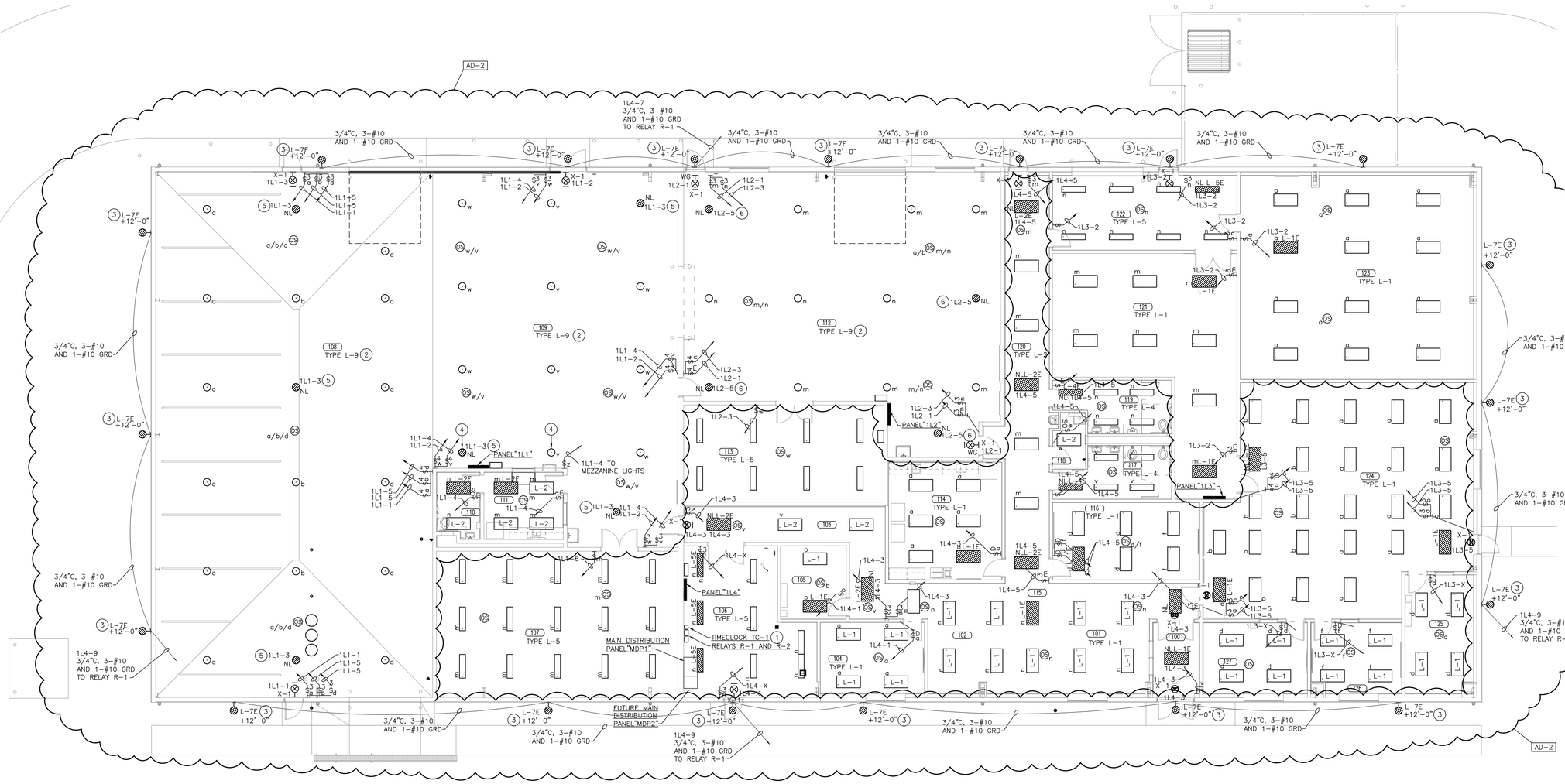
(THESE NOTES APPLY TO THIS SHEET ONLY)

1. TORK DZS200BP TWO CHANNEL TIMECLOCK TC-MB1. CHANNEL ONE CONTROLS RELAY R-1 (BUILDING SECURITY LIGHTS) AND CHANNEL TWO CONTROLS RELAY R-2 (PARKING LOT LIGHTS) (1L4-XX)
2. PROVIDE THE APPROPRIATE STRUCTURAL STEEL CHANNEL SUPPORTS SUPPORTED FROM THE BUILDING STRUCTURE TO PROPERLY PENDANT MOUNT THE LIGHTING FIXTURES IN THE LOCATIONS SHOWN IN THIS ROOM AT +14'-0" ABOVE THE FINISHED FLOOR TO THE BOTTOM OF THE LIGHTING FIXTURES.
3. PROVIDE ALL LABOR AND MATERIAL INCLUDING THE APPROPRIATE BACK BOXES, APPROPRIATE STRUCTURAL SUPPORTS, ETC TO PROPERLY INSTALL THE WALL MOUNTED EXTERIOR LIGHTING FIXTURES.
4. PROVIDE THE APPROPRIATE STRUCTURAL STEEL CHANNEL SUPPORTS SUPPORTED FROM THE BUILDING STRUCTURE TO PROPERLY PENDANT MOUNT THE LIGHTING FIXTURES IN THE LOCATIONS SHOWN IN THIS ROOM AT +18'-0" ABOVE THE FINISHED FLOOR TO THE BOTTOM OF THE LIGHTING FIXTURES.
5. PROVIDE THE APPROPRIATE SIZED MYERS EMERGENCY POWER SYSTEMS SINGLE PHASE BATTERY INVERTER FOR THE EMERGENCY LIGHTS. (LIGHTING LOAD LOAD IS 900 WATTS). CONNECT NIGHT LIGHT CIRCUIT SHOWN TO THE INVERTER SO THAT WHEN IT SENSES LOSS OF POWER THE CIRCUIT TRANSFER OVER TO THE BATTERY UNIT.
6. PROVIDE THE APPROPRIATE SIZED MYERS EMERGENCY POWER SYSTEMS SINGLE PHASE BATTERY INVERTER FOR THE EMERGENCY LIGHTS. (LIGHTING LOAD LOAD IS 600 WATTS). CONNECT NIGHT LIGHT CIRCUIT SHOWN TO THE INVERTER SO THAT WHEN IT SENSES LOSS OF POWER THE CIRCUIT TRANSFER OVER TO THE BATTERY UNIT.

AD-2

ROOM LEGEND

ROOM NO.	ROOM NAME
100	VESTIBULE
101	RECEPTION
102	COORDINATOR OFFICE
103	COORIDOR
104	DIRECTORS OFFICE
105	TECHNOLOGY
106	MECH/ELECT
107	TOOLS/MATERIAL/STORAGE
108	PASS-THRU
109	DISTRICT MAINTENANCE SHOP
110	TOILET
111	BREAK
112	CONSTRUCTION TRADES
113	STORAGE
114	LOUNGE BREAK ROOM
115	COORIDOR
116	CONFERENCE ROOM
117	WOMEN
118	JANITOR
119	MEN
120	COORIDOR
121	I.T. RECEIVING/STORAGE
122	RECEIVING
123	VCS SECURE FILE STORAGE
124	I.T. STUDIO
125	SANDBOX SERVER
126	COLLAB/WORK ROOM
127	DIRECTORS OFFICE



ELECTRICAL LIGHTING PLAN

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

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ARCHITECTURE ENGINEERING INTERIOR DESIGN

PROJECT

NEW MAINTENANCE AND IT BUILDING

VALPARAISO COMMUNITY SCHOOLS

553 HAYES LEONARD RD, VALPARAISO, IN 46385

100% CD SET

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Phone 317.580.5777 Fax 317.580.5778

PROJECT 25-112
DATE 09/04/25
COORDINATED BY PCB
DRAWN BY PCB JVC
CHECKED BY DJ

REGISTERED PROFESSIONAL ENGINEER DAVID G. JANNEY NO. 10302590 STATE OF INDIANA

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DRAWING
ELECTRICAL LIGHTING PLAN

PROJECT
NEW MAINTENANCE AND IT BUILDING

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SHEET
E-101

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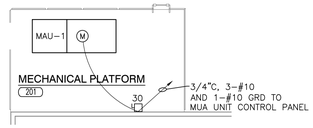

MECHANICAL PLATFORM ELECTRICAL POWER PLAN

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

NORTH

GENERAL NOTES:

1. FOR ADDITIONAL GENERAL ELECTRICAL NOTES, SEE GENERAL ELECTRICAL PROJECT NOTES ON SHEET E-001.
2. SEE E-500, E-600 AND E-700 SHEETS FOR ELECTRICAL DETAILS, SCHEDULES AND ELECTRICAL DISTRIBUTION DIAGRAMS.
3. SEE TECHNOLOGY DRAWINGS FOR ADDITIONAL WORK. ROUTE ALL TECHNOLOGY CABLING IN CONDUIT, VERIFY EXACT LOCATIONS AND ELECTRICAL REQUIREMENTS WITH THE TECHNOLOGY INSTALLER, ARCHITECT, CONSTRUCTION MANAGER AND OWNER PRIOR TO ROUGHING-IN.

ELECTRICAL PLAN NOTES:

(THESE NOTES APPLY TO THIS SHEET ONLY)

1. MOTORIZED OVERHEAD DOOR CONTROLLER BY OVERHEAD DOOR SUPPLIER/INSTALLER INSTALLED BY DIVISION 26.
2. AUDIO/VISUAL INTERCOM ENTRY STATION.
3. AUDIO/VISUAL INTERCOM MASTER STATION.
4. 208 VOLT, SINGLE PHASE 30 AMP RECEPTACLE (UPS)
5. PROVIDE POWER CONNECTION FOR THE CARD READER.
6. REEL CORD. SEE DETAIL ON SHEET E-501. PROVIDE THE APPROPRIATE SUPPORTS TO SUPPORT THE REEL CORD FROM THE BUILDING STRUCTURE.
7. 208 VOLT, SINGLE PHASE 50 AMP RECEPTACLE (WELDER).
8. 208 VOLT, SINGLE PHASE 30 AMP RECEPTACLE (DATA EQUIPMENT UPS).
9. 3/4"C, 2-#10 AND 1-#10 GRD
10. PROVIDE POWER CONNECTION FOR THE AUTOMATIC DOOR OPERATORS.
11. SEE SHEET E-401 FOR ENLARGED ELECTRICAL PLAN OF THIS ROOM.
12. PROVIDE POWER CONNECTION FOR INDOOR UNIT FROM THE OUTDOOR ACCU. 3/4"C, 2#10 AND 1-#10 GRD.
13. TELE/POWER POLE – SEE TELE/POWER POLE ON SHEET E-502.
14. PROVIDE THE APPROPRIATE GALVANIZED STEEL SUPPORTS FOR THE WEATHERPROOF DISCONNECT SERVING THE ROOF TOP UNITS.

ROOM LEGEND

ROOM NO.	ROOM NAME
100	VESTIBULE
101	RECEPTION
102	COORDINATOR OFFICE
103	COORIDOR
104	DIRECTORS OFFICE
105	TECHNOLOGY
106	MECH/ELECT
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109	DISTRICT MAINTENANCE SHOP
110	TOILET
111	BREAK
112	CONSTRUCTION TRADES
113	STORAGE
114	LOUNGE BREAK ROOM
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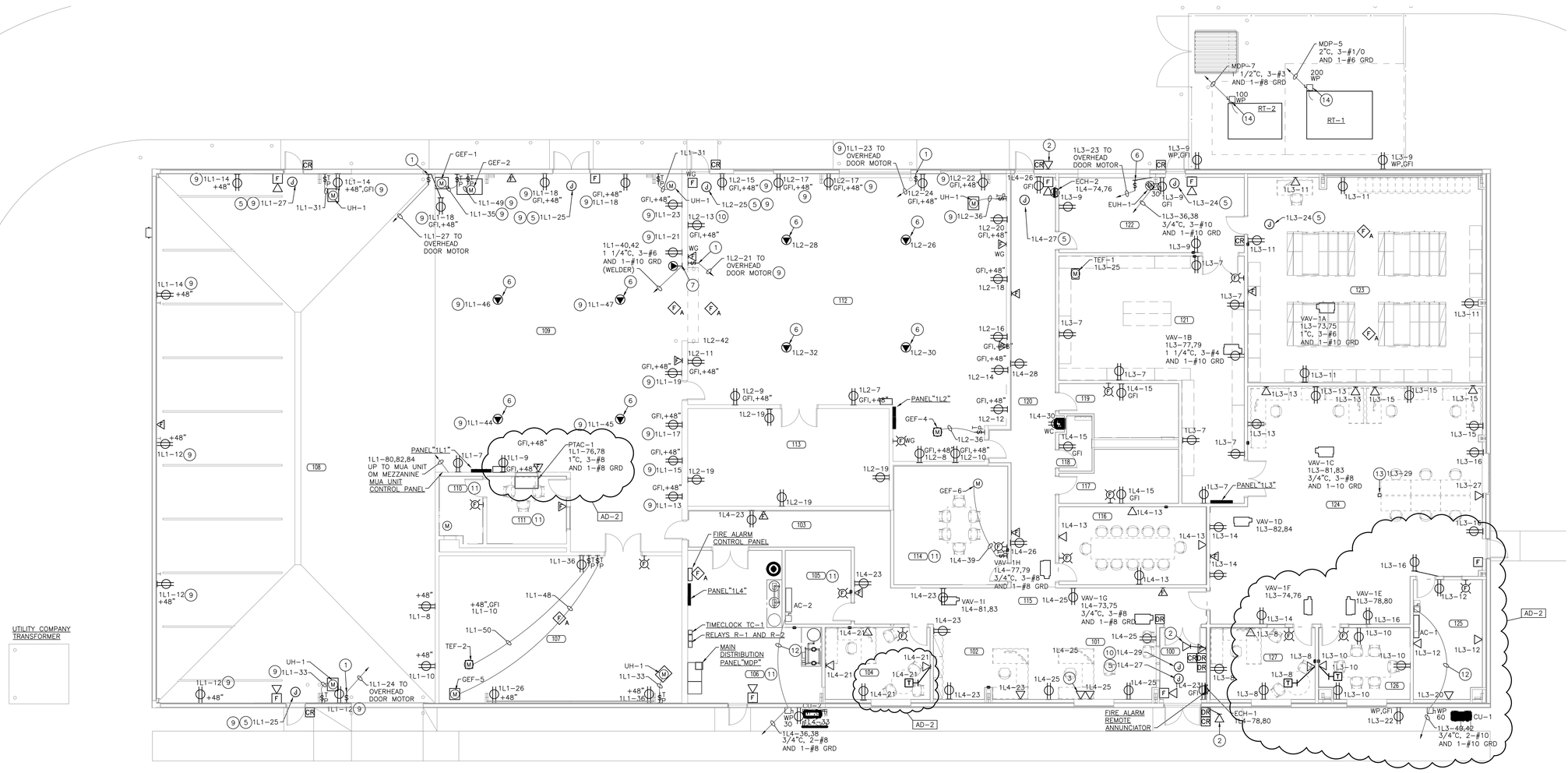

ELECTRICAL POWER PLAN

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

NORTH

Thursday, 9/18/2025 - 11:32 AM - LAST SAVED BY:JCHAMBERS
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REGISTERED DAVID G. JANNEY NO. 10302590 STATE OF INDIANA PROFESSIONAL ENGINEER

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DRAWING
ELECTRICAL POWER PLAN

PROJECT
NEW MAINTENANCE AND IT BUILDING

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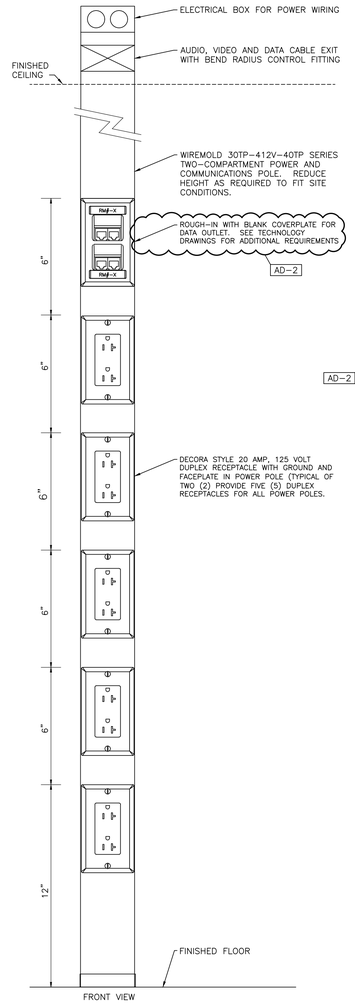
SHEET
E-201

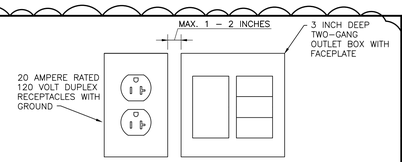


TELE-POWER POLE DATA OUTLET DETAIL

NOT TO SCALE SYMBOL: ⋈ X

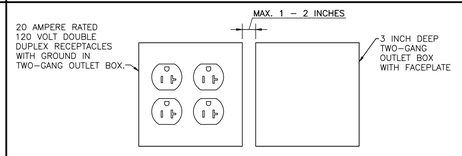
NOTES:

1. VERIFY EXACT DEVICE OPENINGS WITH TELE/POWER POLE PROVIDED.



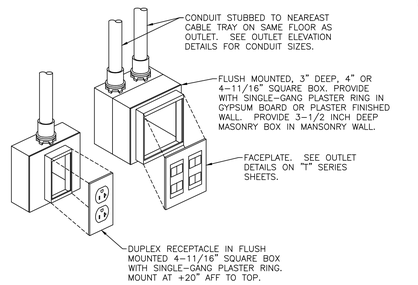
TELEVISION/VIDEO OUTLET DETAIL

NOT TO SCALE SYMBOL: T X



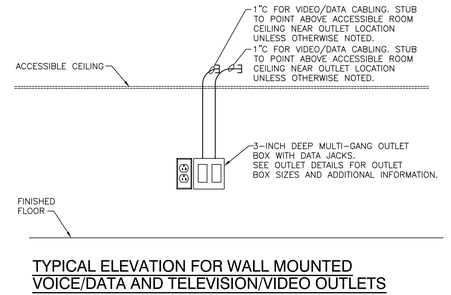
VOICE/DATA OUTLET DETAIL

NOT TO SCALE SYMBOL: ⋈ X



TYPICAL FLUSH MOUNTED TELEVISION OUTLET DETAIL

NOT TO SCALE SYMBOL = T X

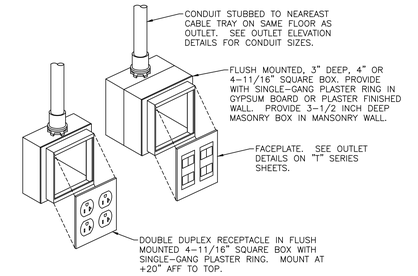


TYPICAL ELEVATION FOR WALL MOUNTED VOICE/DATA AND TELEVISION/VIDEO OUTLETS

NOT TO SCALE SYMBOL: T

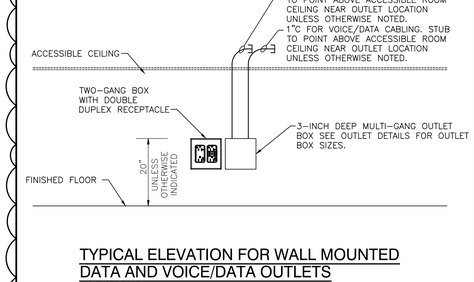
NOTE: WHERE ROOM CEILING IS OTHER THAN AN ACCESSIBLE TYPE CEILING (LAY-IN GRID, ETC.), VERIFY EXACT LOCATIONS OF THE CONDUITS AND JUNCTION BOXES ABOVE THE CEILING.

COORDINATE EXACT LOCATION AND HEIGHT OF OUTLETS WITH OWNER CONSTRUCTION MANAGER AND ARCHITECT PRIOR TO ROUGHING-IN.



TYPICAL FLUSH MOUNTED DATA OR VOICE/DATA OUTLET DETAIL

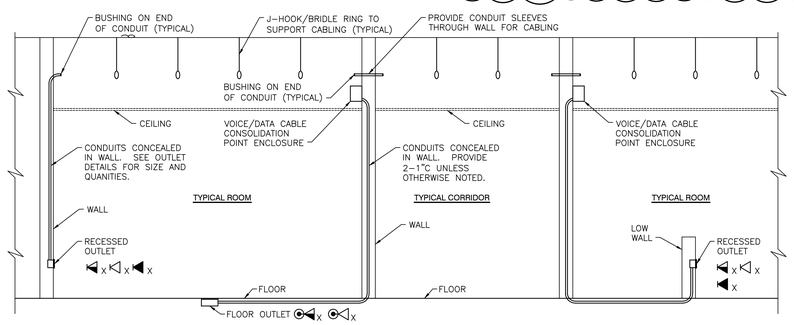
NOT TO SCALE SYMBOLS = X X W



TYPICAL ELEVATION FOR WALL MOUNTED DATA AND VOICE/DATA OUTLETS

NOT TO SCALE SYMBOLS= X X

NOTE: WHERE ROOM CEILING IS OTHER THAN AN ACCESSIBLE TYPE CEILING (LAY-IN GRID, ETC.), VERIFY EXACT LOCATIONS OF THE CONDUITS AND JUNCTION BOXES ABOVE THE CEILING.



TYPICAL VOICE AND DATA OUTLET AND RACEWAY DETAIL

NOT TO SCALE

NOTE: VERIFY OUTLET MOUNTING HEIGHTS, LOCATIONS, AND WALL AND CEILING CONDITIONS.

GIBRALTAR DESIGN
ARCHITECTURE ENGINEERING INTERIOR DESIGN

PROJECT

NEW MAINTENANCE AND IT BUILDING

VALPARAISO COMMUNITY SCHOOLS

553 HAYES LEONARD RD, VALPARAISO, IN 46385

100% CD SET

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PROJECT 25-112
DATE 09/04/25
COORDINATED BY PCB
DRAWN BY PCB/JVC
CHECKED BY DJ

DAVID G. JANNEY REGISTERED NO. 10302590 STATE OF INDIANA PROFESSIONAL ENGINEER

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REVISIONS

MARK	DATE	ISSUED FOR
AD-2	09/18/25	ADDENDUM NO. 2

DRAWING

ELECTRICAL DETAILS

PROJECT

NEW MAINTENANCE AND IT BUILDING

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SHEET

E-502

Thursday, 9/18/2025 – 11:33 AM – LAST SAVED BY:JCHAMBERS
Y:\25-112 VALPARAISO CS – NEW MAINTENANCE AND IT BUILDING\25-112 REVIT\06 MISC\ELEC\E-502.DWG

LIGHTING RELAY SCHEDULE

MARK & TYPE	ITEM	CONTROLLED CIRCUIT(S)	COIL CKT.	COIL VOLT	ROOM NO.	CONTACTS	SELECTOR SWITCH	CONTROL	SEE NOTES
R-1 SQUARE D #8903 SERIES W/ NEMA 3R ENCLOS.	BUILDING SECURITY LIGHTS	1L4-7,9	1L4-15	120	105	N.O.	HOA	TIMECLOCK	1,2,4,5,6
R-2 SQUARE D #8903 SERIES W/ NEMA 3R ENCLOS.	PARKING LOT LIGHTS	1L4-39,41	1L4-15	120	105	N.O.	HOA	TIMECLOCK	1,2,4,5,6

NOTES:
1. FURNISH NEMA 1 ENCLOSURE WITH HINGED COVER UNLESS OTHERWISE NOTED.
2. ELECTRICALLY HELD.
3. MECHANICALLY HELD.
4. PROVIDE SELECTOR SWITCH IN RELAY ENCLOSURES WITH LOOP AND BRIDLE STRAPS FROM MAIN DEPARTMENT TO HINGED COVER FOR SELECTOR SWITCHES.
5. FURNISH FUSE PROTECTION FOR COIL CIRCUIT.
   ALL RELAYS AND SELECTOR SWITCHES SHALL BE PREWIRED BY MANUFACTURER.

MOTOR STARTER SCHEDULE

MARK	ITEM	NEMA SIZE	HP	ROOM NO.	CONTROL		SEE NOTES
					ENCL.	REMOTE	
MS-1	GEF-2	0	2	108	SA	---	1,2,3,5,7,8

NOTES:
1. MOTOR STARTERS SHALL BE 3-POLE COMBINATION TYPE WITH NEMA 1 ENCLOSURE.
2. MOTOR STARTERS SHALL HAVE 208/120 VOLT CONTROL CIRCUIT TRANSFORMER WITH CONTROL CIRCUIT FUSES.
3. MOTOR STARTERS SHALL HAVE 120 VOLT COIL AND 600 VOLT CONTACTS.
4. 120 VOLT MOMENTARY CONTACT PUSH BUTTON: P=ON-OFF; T=TEST BUTTON; T2=HI-LO TEST PUSH BUTTON; PO2=HI-LO-OFF.
5. 120 VOLT MAINTAINED CONTACT SELECTOR SWITCH: S=ON-OFF; S2=HI-LOW; SO2=HI-LO-OFF; SA=HAND-OFF-AUTOMATIC.
6. PILOT LIGHTS SHALL BE FURNISHED WITH ALL REMOTE CONTROL UNITS.
7. MOTOR STARTERS SHALL BE SINGLE SPEED.
8. MOTOR STARTER SHALL HAVE ONE NORMALLY OPEN CONTACT.

AD-2

PANEL SCHEDULE

MARK & TYPE	CKTS	BREAKER OR SWITCH	FRAME OR FUSE	REMARKS
MDP SIEMENS SB2 OR APROVED EQUAL 120/208V, 3Ø, 4W 1600 AMP MAIN BKR FREE STANDING FRONT ACCESSIBLE	M 1 2 3 4 5 6 7 8 9 10	3P-1600 3P-100 3P-90 3P-150 3P-200 3P-225 3P-225 3P-400 3P-400 3P-400 3P-400	– – – – SPACE – SPACE – SPACE – –	TWO SECTION PANELBOARD. SECTION ONE: 25"W X 90"H X 28"D SECTION ONE: MAIN CIRCUIT BREAKER FOR CIRCUITS 1-10 AND SPD. SECTION TWO: 38"W X 90"H X 28"D SECTION TWO: CIRCUITS 1-10 ALL CIRCUIT BREAKERS SHALL BE RATED FOR 100,000 AMP INTERRUPTING CAPACITY. PANEL SHALL BE RATED FOR SERVICE ENTRANCE AND HAVE 100,000 AMP INTERRUPTING CAPACITY.

VALPARAISO MAINTENANCE - IT BUILDING LIGHTING FIXTURE SCHEDULE

TYPE	MANUFACTURERS	VOLTAGE	LIGHT SOURCE	MINIMUM LUMENS	DEGREE K.	MAXIMUM WATTAGE	DIMMING	MOUNTING	DESCRIPTION
L-1	LITHONIA 2BLT4-60L-ADP-GZ1-LP840 METALUX SB24CZ-LD5-65-UNV-L840-CD1-EQ-CLIP COLUMBIA RLA24-40-VL-G-ED1-U	MVOLT	LED	6000 (6051/6221 /6000)	4000	60 (46.6/52.2/ 60)	0-10V 1% DIMMING	GRID	2X4 RECESSED GRID MOUNTED VOLUMETRIC LED TYPE LIGHTING FIXTURE WITH EARTHQUAKE CLIPS AND MULTI-VOLT LED DIMMING DRIVER.
L-1E	LITHONIA 2BLT4-60L-ADP-GZ1-LP840-EL14SLSD METALUX SB24CZ-LD5-65-UNV-L840-CD1-EQ-CLIP-EL14WSD COLUMBIA RLA24-40-VL-G-ED1-U-ELL14ST	MVOLT	LED	6000 (6051/6221 /6000)	4000	60 (46.6/52.2/ 60)	0-10V 1% DIMMING	GRID	2X4 RECESSED GRID MOUNTED VOLUMETRIC LED TYPE LIGHTING FIXTURE WITH EARTHQUAKE CLIPS, MULTI-VOLT LED DIMMING DRIVER AND INTEGAL EMERGENCY BATTERY UNIT WITH SELF-DIAGNOSTIC FEATURE.
L-2	LITHONIA 2BLT4-48L-ADP-GZ1-LP840-PAF METALUX SB24CZ-LD5-50-UNV-L840-CD1-EQ-CLIP-PAF COLUMBIA RLA24-40ML-G-ED1-U-EQCLIP	MVOLT	LED	4800 (4989/4976 /4800/ 4800)	4000	40 (39.3/36.8/ 38/36)	0-10V 1% DIMMING	GRID	2X4 RECESSED GRID MOUNTED VOLUMETRIC LED TYPE LIGHTING FIXTURE WITH EARTHQUAKE CLIPS AND MULTI-VOLT LED DIMMING DRIVER.
L-2E	LITHONIA 2BLT4-48L-ADP-GZ1-LP840-PAF-EL14SLST METALUX SB24CZ-LD5-50-UNV-L840-CD1-EQ-CLIP-PAF-EL14WSD COLUMBIA RLA24-40ML-G-ED1-U-EQCLIP-ELL14SD	MVOLT	LED	4800 (4989/4976 /4800/ 4800)	4000	40 (39.3/36.8/ 38/36)	0-10V 1% DIMMING	GRID	2X4 RECESSED GRID MOUNTED VOLUMETRIC LED TYPE LIGHTING FIXTURE WITH EARTHQUAKE CLIPS, MULTI-VOLT LED DIMMING DRIVER AND INTEGAL EMERGENCY BATTERY UNIT WITH SELF-DIAGNOSTIC FEATURE.
L-4	LITHONIA BLT4-40L-ADP-GZ1-LP840 METALUX SB14CZ-LD5-44-UNV-L840-CD1-EQCLIP COLUMBIA RLA14-40-ML-G-ED1-U	MVOLT	LED	4000 (4120/4542 /4200)	4000	39 (32.1/34.6/ 29.9)	0-10V 1% DIMMING	GRID	1X4 RECESSED GRID MOUNTED VOLUMETRIC LED TYPE LIGHTING FIXTURE WITH EARTHQUAKE CLIPS AND MULTI-VOLT LED DIMMING DRIVER.
L-4E	LITHONIA BLT4-40L-ADP-GZ1-LP840-EL14WSD METALUX SB14CZ-LD5-44-UNV-L840-CD1-EQCLIP-EL14WSD COLUMBIA RLA14-40-ML-G-ED1-U-ELL14ST	MVOLT	LED	4000 (4120/4542 /4200)	4000	39 (32/34.6/ 29.9)	0-10V 1% DIMMING	GRID	1X4 RECESSED GRID MOUNTED VOLUMETRIC LED TYPE LIGHTING FIXTURE WITH EARTHQUAKE CLIPS, MULTI-VOLT LED DIMMING DRIVER AND INTEGAL EMERGENCY BATTERY UNIT WITH SELF-DIAGNOSTIC FEATURE.
L-5	LITHONIA ZL1D-L48-7000LM-FST-MVOLT-40K-80CRI METALUX 4SNLED-LD5-76HL-LW-UNV-L840-CD1-U COLUMBIA MPS4-40HL-CW-ED-U	MVOLT	LED	6400 (7596/7774 /6494	4000	59 (59/62/52)	NONE	PENDANT	4' PENDANT MOUNTED INDUSTRIAL LIGHTING FIXTURE WITH LENSED AND WIDE DISTRIBUTION
L-5E	LITHONIA ZL1D-L48-7000LM-FST-MVOLT-40K-80CRI-EL10WLCP-ST METALUX 4SNLED-LD5-47SL-LW-UNV-L840-CD1-U - EL14WST COLUMBIA LCL4-40HL-EDU-CSHC-ELL14ST	MVOLT	LED	6400 (7596/7774 /6494	4000	59 (59/62/52)	NONE	PENDANT	4' PENDANT MOUNTED INDUSTRIAL LIGHTING FIXTURE WITH LENSED, WIDE DISTRIBUTION AND INTEGRAL EMERGENCY BATTERY UNIT WITH SELF-DIAGNOSTIC FEATURE.
L-6	LITHONIA ZL1D-L48-5000LM-FST-MVOLT-40K-80CRI METALUX 4SNLED-LD5-47SL-LW-UNV-L840-CD1-U COLUMBIA MPS4-40HL-CW-ED-U	MVOLT	LED	4800 (5541/4892 /5833)	4000	50 (41/41/ 49.5)	NONE	PENDANT	4' PENDANT MOUNTED INDUSTRIAL LIGHTING FIXTURE WITH LENSED AND WIDE DISTRIBUTION
L-6E	METALUX 4SNLED-LD5-47SL-LW-UNV-L840-CD1-U - EL14WST LITHONIA ZL1D-L48-5000LM-FST-MVOLT-40K-80CRI-EL10WLCP-ST COLUMBIA LCL4-40HL-EDU-CSHC-ELL14ST	MVOLT	LED	4800 (5541/4892 /5833)	4000	50 (41/41/ 49.5)	NONE	PENDANT	4' PENDANT MOUNTED INDUSTRIAL LIGHTING FIXTURE WITH LENSED, WIDE DISTRIBUTION AND INTEGRAL EMERGENCY BATTERY UNIT WITH SELF-DIAGNOSTIC FEATURE.
L-7	LITHONIA WST-LED-P2-40K-VW-CBA GARDCO 121-32L-700-CW-G4-3-UNV-CBA MCGRAW EDISON IST-SA1E-740-U-T3-CBA BEACON TRP2-36L-55-4K7-3-UNV-CBA	MVOLT	LED	3500 (3512/7069 /8568/ 7694)	4000	70 (25/58.2/70 /63.1)	NONE	WALL	WALL MOUNTED OUTDOOR WEATHERPROOF TRAPEZOID CUTOFF TYPE LIGHTING FIXTURE WITH LED LAMPS, LED DRIVER. UL LISTED FOR WET LOCATIONS. COLOR TO BE SELECTED BY THE ARCHITECT.
L-7E	LITHONIA WST-LED-P2-40K-VW-CBA-E20WC MCGRAW EDISON IST-SA1E-740-U-T3-CBP-CBA GARDCO 121-32L-700-NW-G4-3-UNV-CBA-EBPC BEACON TRP2-D50-4K7-WT-UNV-CBA-EM	MVOLT	LED	3500 (3512/7069 /8568/ 7694)	4000	70 (25/58.2/70 /63.1)	NONE	WALL	WALL MOUNTED OUTDOOR WEATHERPROOF TRAPEZOID CUTOFF TYPE LIGHTING FIXTURE WITH LED LAMPS, LED DRIVER AND COLD WEATHER EMERGENCY BATTERY PACK. UL LISTED FOR WET LOCATIONS. COLOR TO BE SELECTED BY THE ARCHITECT.
L-8	LITHONIA LDN6-40/30-L06AR-LSS-TWR-MVOLT-GZ1 HALO HC6-30-D010-HM6-3040-840-940-61MDC PRESCOLITE LTR-H-ML-30L-DM1-LTR-6RD-T-ML-40K8-MD-SS	MVOLT	LED	2900 (2993/2963 /3034)	4000	34.8/36.40/ 41.50	0-10V 1% DIMMING	RECESSED	6" ROUND RECESSED MOUNTED DOWNLIGHT WITH CLEAR ALZAK REFLECTOR AND MULTI-VOLT LED DRIVER.
L-8E	LITHONIA LDN6-40/30-L06AR-LSS-TWR-MVOLT-GZ1-ELRSD HALO HC6-30-D010-HM6-3040-840-940-61MDC-BODST PRESCOLITE LTR-H-ML-30L-DM1-LTR-6RD-T-ML-40K8-	MVOLT	LED	2900 (2993/2963 /3034)	4000	34.8/36.40/ 41.50	0-10V 1% DIMMING	RECESSED	6" ROUND RECESSED MOUNTED DOWNLIGHT WITH CLEAR ALZAK REFLECTOR, MULTI-VOLT LED DRIVER AND INTEGRAL EMERGENCY BATTEY UNIT WITH SELF DIAGNOSTIC FEATURE.
L-9	LITHONIA JEBL-18000LM-GL-MVOLT-40K-80CRI METALUX UBHS-1216-MV-L840S0-U COLUMBIA CRN2-2-LSCS-EDMV	MVOLT	LED	17000 (17796/ 18353/ 18000)	4000	150 (135/121/ 144/150)	NONE	PENDANT	PENDANT MOUNTED INDUSTRIAL LED HI-BAY TYPE LIGHTING FIXTURE WITH LENSED AND WIDE DISTRIBUTION
AD-2									
X-1	SURE-LITES CX71G-SD LITHONIA LES1G-ELN-SD DUAL LITE SESG-BN-E-I	MVOLT	LED			1	NONE	SURFACE	SURFACE MOUNTED DIE CAST ALUMINUM EXIT SIGN WITH SINGLE STENCIL FACE, GREEN LETTERS (ARROWS AS INDICATED ON DRAWINGS), NI-CAD BATTERY AND SELF DIAGNOSTICS FEATURE.
X-2	SURE-LITES CX72G-SD LITHONIA LES2G-ELN-SD DUAL LITE SEDG-BN-E1	MVOLT	LED			1	NONE	SURFACE	SURFACE MOUNTED DIE CAST ALUMINUM EXIT SIGN WITH DOUBLE STENCIL FACE, GREEN LETTERS (ARROWS AS INDICATED ON DRAWINGS), NI-CAD BATTERY AND SELF DIAGNOSTICS FEATURE.
SL-1	MCGRAW-EDISON GLEON-SAC3-1A-740-U-T4FT-CBA LITHONIA DSX1-LED-P7-40K-TFTM-MVOLT-RPA-CBA BEACON VIPER VPST-2-72L-180-4K7-4F-UNV-AX-CBA	208	LED	20700 (21725/ 20734/ 21000)	4000	183 (166/183/ 216.2)	NONE	POLE	POLE MOUNTED LED SITE LIGHTING FIXTURE WITH TYPE IV LIGHT DISTRIBUTION MOUNTED ON A 30'-0" ROUND TAPERED STEEL POLE. COLOR AND FINISH TO BE SELECTED BY THE ARCHITECT.

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DESIGN
ARCHITECTURE ENGINEERING INTERIOR DESIGN

PROJECT
NEW MAINTENANCE AND IT BUILDING

VALPARAISO COMMUNITY SCHOOLS

553 HAYES LEONARD RD,
VALPARAISO, IN 46385

100% CD SET

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PROJECT 25-112
DATE 09/04/25
COORDINATED BY PCB
DRAWN BY PCB/JVC
CHECKED BY DJ

DAVID G. JANNEY
REGISTERED
NO. 10302590
STATE OF INDIANA
PROFESSIONAL ENGINEER

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MARK	DATE	ISSUED FOR
AD-2	09/18/25	ADDENDUM NO. 2

DRAWING
ELECTRICAL SCHEDULES

PROJECT
NEW MAINTENANCE AND IT BUILDING

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SHEET
E-601

Thursday, 9/18/2025 - 11:32 AM - LAST SAVED BY:JCHAMBERS
Y:\25-112 VALPARAISO CS - NEW MAINTENANCE AND IT BUILDING\25-112 REVIT\06 MISC\ELEC\E-601.DWG

VALPARAISO MAINTENANCE - IT BUILDING PANELBOARD SCHEDULE

MARK & TYPE
"1L1"
TYPE: SQ D NQ OR APPROVED EQUAL
120/208V, 3 PH, 4W
400 AMP MAIN LUGS
NEMA 1
SURFACE MOUNTED

REMARKS
BRANCH CIRCUITS SHALL BE CIRCUIT BREAKERS.
CIRCUIT BREAKERS SHALL HAVE MINIMUM 22,000 AMP INTERRUPTING CAPACITY - TYPE QOB-VH.
TWO SECTION PANEL - BOTH SECTIONS SAME HEIGHT - SECTION 1 OF 2.

DESCRIPTION	CIR	POLE	TRIP	LTS	REC	EQUIP	A	B	C	HEAT	A/C	FUTR	POLE	TRIP	CIR	DESCRIPTION
108 LIGHTS (a)	1	1	20	0.90			0.90									
				1.22			1.22						1	20	2	109 LIGHTS (w)
108, 109 LIGHTS (NL)	3	1	20	0.90				0.90								
				0.78				0.78					1	20	4	109(v),110,111 LIGHTS
A108 LIGHTS (b)(d)	5	1	20	1.20					1.20							
													1	20	6	SPARE
A109 RECPS	7	1	20			AD-2										
					1.50		1.50						1	20	8	109 RECPS
108 RECPS	9	1	20		1.50			1.50								
					1.50			1.50					1	20	10	108 RECPS
108 RECPS	11	1	20		1.50				1.50							
					1.50				1.50				1	20	12	108 RECPS
108 RECPS	13	1	20		1.50		1.50									
					1.50		1.50						1	20	14	108 RECPS
108 RECPS	15	1	20		1.50			1.50								
					1.50			1.50					1	20	16	108 RECPS
108 RECPS	17	1	20		1.50				1.50							
					1.50				1.50				1	20	18	108 RECPS
108 RECPS	19	1	20		1.50		1.50									
													1	20	20	SPARE
108 RECPS	21	1	20		1.50			1.50								
													1	20	22	SPARE
108 RECPS	23	1	20		1.50				1.50							
																OVERHEAD DOOR (1/2 HP)
						1.13			1.13				1	20	24	
CARD READER	25	1	20			1.00	1.00									
					1.50			1.50					1	20	26	111 RECP
OVERHEAD DOOR (1/2 HP)	27	1	20			1.13		1.13								
						1.13		1.13					1	20	28	111 RECP (DISPOSAL)
SPARE	29	1	20													
					1.50				1.50				1	20	30	111 RECP
UH-1 (1/10 HP), UH-1 (1/10 HP)	31	1	20			0.76	0.76									
					1.50		1.50						1	20	32	111 RECP (REFRIGERATOR)
UH-1 (1/10 HP), UH-1 (1/10 HP)	33	1	20			0.76		0.76								
													1	20	34	110,111 RECPS
GEF-1 (1/4 HP)	35	1	20			0.70			0.70							
					0.54				0.54				1	20	36	107 RECPS
CO2 MONITORING CONTROL PANEL	37	1	20			0.50	0.50									
													1	20	38	SPARE
A CCU	39	2	30			2.00		2.00								
						4.00		4.00					2	50	40	109 RECP (WELDER)
	41					2.00			2.00							
						4.00			4.00						42	
TOTAL CONNECTED LOAD (kVA)		5.00		32.04		36.55	20.35	26.61	26.63							
TOTAL DEMAND LOAD (kVA)		5.00		21.02		36.55										

VALPARAISO MAINTENANCE - IT BUILDING PANELBOARD SCHEDULE

MARK & TYPE
"1L1" - SECTION 2
TYPE: SQ D NQ OR APPROVED EQUAL
120/208V, 3 PH, 4W
400 AMP MAIN LUGS
NEMA 1
SURFACE MOUNTED

REMARKS
BRANCH CIRCUITS SHALL BE CIRCUIT BREAKERS.
CIRCUIT BREAKERS SHALL HAVE MINIMUM 22,000 AMP INTERRUPTING CAPACITY - TYPE QOB-VH.
TWO SECTION PANEL - BOTH SECTIONS SAME HEIGHT - SECTION 2 OF 2.

DESCRIPTION	CIR	POLE	TRIP	LTS	REC	EQUIP	A	B	C	HEAT	A/C	FUTR	POLE	TRIP	CIR	DESCRIPTION
TEF-2 (1/3 HP)	43	1	20			0.86	0.86									
					1.50			1.50								
109 REELCORD	45	1	20		1.50				1.50							
					1.50				1.50				1	20	46	109 REELCORD
109 REELCORD	47	1	20		1.50					1.50						
						1.15				1.15			1	20	48	GEF-5 (1/2 HP)
GEF-2 (1 HP)	49	1	30			1.84	1.84									
						0.51	0.51						1	20	50	TEF-2 (1/6 HP)
SPARE	51	1	20													
													1	20	52	SPARE
SPARE	53	1	20													
													1	20	54	SPARE
SPARE	55	1	20													
													1	20	56	SPARE
SPARE	57	1	20													
													1	20	58	SPARE
SPARE	59	1	20													
													1	20	60	SPARE
SPARE	61	1	20													
													1	20	62	SPARE
SPARE	63	1	20													
													1	20	64	SPARE
SPARE	65	1	20													
													1	20	66	SPARE
SPARE	67	1	20													
													1	20	68	SPARE
SPARE	69	1	20													
													1	20	70	SPARE
SPARE	71	1	20													
													1	20	72	SPARE
VAV-1A (8.5 KW)	73	2	60				4.25		4.25							
							1.25		1.25				2	20	74	VAV-1F (2.5 KW)
	75					4.25			4.25							
						1.25			1.25						76	
VAV-1B (10.5 KW)	77	2	70					5.25	5.25							
								2.00	2.00				2	30	78	VAV-1E (4.0 KW)
	79						5.25		5.25							
							2.00		2.00						80	
VAV-1C (6 KW)	81	2	40					3.00	3.00							
								1.25	1.25				2	20	82	VAV-1D (2.5 KW)
	83															
								1.25	1.25						84	

NEW MAINTENANCE - IT BUILDING PANELBOARD SCHEDULE

MARK & TYPE
"1L2"
TYPE: SQ D NQ OR APPROVED EQUAL
120/208V, 3 PH, 4W
225 AMP MAIN LUGS
NEMA 1
SURFACE MOUNT

REMARKS
BRANCH CIRCUITS SHALL BE CIRCUIT BREAKERS.
CIRCUIT BREAKERS SHALL HAVE MINIMUM 22,000 AMP INTERRUPTING CAPACITY - TYPE QOB-VH.

DESCRIPTION	CKT	P	TRIP	LTS	REC	EQUIP	A	B	C	HEAT	A/C	MOTOR	P	TRIP	CKT	DESCRIPTION
111 LIGHTS	1	1	20	0.90			0.90									
													1	20	2	SPARE
112,113 LIGHTS	3	1	20	0.77				0.77								
													1	20	4	SPARE
112 LIGHTS (NL)	5	1	20	0.60					0.60							
													1	20	6	SPARE
112 RECPS	7	1	20		1.50		1.50									
					1.50		1.50						1	20	8	112 RECPS
112 RECPS	9	1	20		1.50			1.50								
					1.50			1.50					1	20	10	112 RECPS
112 RECPS	11	1	20		1.50				1.50							
					1.50				1.50				1	20	12	112 RECPS
112 RECPS	13	1	20		1.50		1.50									
					1.50		1.50						1	20	14	112 RECPS
112 RECPS	15	1	20		1.50			1.50								
					1.50			1.50					1	20	16	112 RECPS
112 RECPS	17	1	20		1.50				1.50							
					1.50				1.50				1	20	18	112 RECPS
113 RECPS	19	1	20		0.72		0.72									
					1.50		1.50						1	20	20	112 RECPS
OVERHEAD DOOR (1/2 HP)	21	1	20			1.13		1.13								
					1.50			1.50					1	20	22	112 RECPS
OVERHEAD DOOR (1/2 HP)	23	1	20			1.13		1.13								
					1.50			1.50					1	20	24	112 RECPS
CARD READER	25	1	20		1.00	1.00										
					1.50	1.50							1	20	26	112 REELCORD
SPARE	27	1	20													
					1.50			1.50					1	20	28	112 REELCORD
SPARE	29	1	20		1.50				1.50							
													1	20	30	112 REELCORD
SPARE	31	1	20		1.50			1.50								
													1	20	32	112 REELCORD
SPARE	33	1	20													
													1	20	34	SPARE
SPARE	35	1	20													
						0.89			0.89				1	20	36	UH-1 (1/10 HP) GEF-4 (1/6 HP)
SPARE	37	1	20													
													1	20	38	SPARE
SPARE	39	1	20													
								2.50	2.50				2	40	40	EUH-1 (5 KW)
SPARE	41	1	20													
								2.50	2.50						42	
SPARE	43	1	20													
													1	20	44	SPARE
SPARE	45	1	20													
													1	20	46	SPARE
SPARE	47	1	20													
													1	20	48	SPARE
SPARE	49	1	20													
													1	20	50	SPARE
SPARE	51	1	20													
													1	20	52	SPARE
SPARE	53	1	20													
													1	20	54	SPARE
													1	20	56	SPARE
													1	20	58	SPARE
													1	20	60	SPARE
													1	20	62	SPARE
													1	20	64	SPARE
													1	20	66	SPARE
													1	20	68	SPARE
													1	20	70	SPARE
													1	20	72	SPARE
													1	20	74	SPARE
													1	20	76	SPARE
													1	20	78	SPARE
													1	20	80	SPARE
													1	20	82	SPARE
													1	20	84	SPARE
CONNECTED LOAD (KVA)				2.27	29.22	4.15	13.12	13.40	14.12	5.00						
DEMAND LOAD (KVA)				2.27	19.81	4.15	9.18	10.57	11.29	5.00						
DEMAND AMPS							76.5	88.1	94.1							

TOTAL DEMAND KVA: 31.03 — TOTAL DEMAND AMPS: 95

VALPARAISO MAINTENANCE - IT BUILDING PANELBOARD SCHEDULE

MARK & TYPE
"1L3"
TYPE: SQ D NQ OR APPROVED EQUAL
120/208V, 3 PH, 4W
400 AMP MAIN LUGS
NEMA 1
SURFACE MOUNTED

REMARKS
BRANCH CIRCUITS SHALL BE CIRCUIT BREAKERS.
CIRCUIT BREAKERS SHALL HAVE MINIMUM 22,000 AMP INTERRUPTING CAPACITY - TYPE QOB-VH.
TWO SECTION PANEL - BOTH SECTIONS SAME HEIGHT - SECTION 1 OF 2.

DESCRIPTION	CIR	POLE	TRIP	LTS	REC	EQUIP	A	B	C	HEAT	A/C	FUTR	POLE	TRIP	CIR	DESCRIPTION
125,126,127 LIGHTS	1	1	20	0.57			0.57									
				1.52			1.52						1	20	2	121,122,123 LIGHTS
124 LIGHTS	3	1	20	1.23				1.23								
													1	20	4	SPARE
125 LIGHTS	5	1	20	0.57					0.57							
													1	20	6	SPARE
121 RECPS	7	1	20		0.54		0.54									
					1.08		1.08						1	20	8	127 RECPS
122 RECPS	9	1	20		0.54			0.54								
					1.08			1.08					1	20	10	126 RECPS
123 RECPS	11	1	20		0.72				0.72							
					1.50				1.50				1	20	12	125 RECPS
124 RECPS	13	1	20		1.08		1.08									
					1.50		1.50						1	20	14	124 RECPS
124 RECPS	15	1	20		0.90			0.90								
					1.50			1.50					1	20	16	124 RECPS
SPARE	17	1	20													
					1.50				1.50				1	20	18	124 RECPS
123 RECPS	19	1	20		1.08		1.08									
																125 RECP (DATA
					1.50			1.50					1	20	20	EQUIPMENT)
SPARE	21	1	20													
					0.18			0.18					1	20	22	EXTERIOR RECP
OVERHEAD DOOR MOTOR (1/2 HP)	23	1	20			1.13			1.13							
						1.00			1.00				1	20	24	CARD READER
TEF-1 (1 HP)	25	1	25			1.84	1.84									
													1	20	26	SPARE
124 RECP	27	1	20		1.50				1.50							
													1	20	28	SPARE
124 TELE/POWER POLE	29	1	20		1.50				1.50							
													1	20	30	SPARE
SPARE	31	1	20													
													2	20	32	SPARE
SPARE	33	1	20													
															34	
SPARE	35	1	20						2.50	2.50			2	40	36	EUH-1 (5 KW)
SPARE	37	1	20													
						2.50			2.50						38	
SPARE	39	1	20													
					2.25		2.25						2	40	40	CU-1
SPARE	41	1	20													
					2.25				2.25						42	
TOTAL CONNECTED LOAD (kVA)				3.89	17.70	8.47	25.96	18.93	24.17	39.00						
TOTAL DEMAND LOAD (kVA)				3.89	13.85	8.47				39.00						

VALPARAISO MAINTENANCE - IT BUILDING PANELBOARD SCHEDULE

MARK & TYPE
"1L3" - SECTION 2
TYPE: SQ D NQ OR APPROVED EQUAL
120/208V, 3 PH, 4W
400 AMP MAIN LUGS
NEMA 1
SURFACE MOUNTED

REMARKS
BRANCH CIRCUITS SHALL BE CIRCUIT BREAKERS.
CIRCUIT BREAKERS SHALL HAVE MINIMUM 22,000 AMP INTERRUPTING CAPACITY - TYPE QOB-VH.
TWO SECTION PANEL - BOTH SECTIONS SAME HEIGHT - SECTION 2 OF 2.

DESCRIPTION	CIR	POLE	TRIP	LTS	REC	EQUIP	A	B	C	HEAT	A/C	FUTR	POLE	TRIP	CIR	DESCRIPTION
SPARE	43	1	20													
													1	20	44	SPARE
SPARE	45	1	20													
													1	20	46	SPARE
SPARE	47	1	20													
													1	20	48	SPARE
SPARE	49	1	20													
													1	20	50	SPARE
SPARE	51	1	20													
													1	20	52	SPARE
SPARE	53	1	20													
													1	20	54	SPARE
SPARE	55	1	20													
													1	20	56	SPARE
SPARE	57	1	20													
													1	20	58	SPARE
SPARE	59	1	20													
													1	20	60	SPARE
SPARE	61	1	20													
													1	20	62	SPARE
SPARE	63	1	20													
													1	20	64	SPARE
SPARE	65	1	20													
													1	20	66	SPARE
SPARE	67	1	20													
													1	20	68	SPARE
SPARE	69	1	20													
													1	20	70	SPARE
SPARE	71	1	20													
													1	20	72	SPARE
VAV-1A (8.5 KW)	73	2	60				4.25		4.25							
							1.25		1.25				2	20	74	VAV-1F (2.5 KW)
	75					4.25			4.25							
						1.25			1.25						76	
VAV-1B (10.5 KW)	77	2	70													
									2.00				2	30	78	VAV-1E (4.0 KW)
	79						5.25		5.25							
							2.00		2.00						80	
VAV-1C (6 KW)	81	2	40					3.00	3.00							
								1.25	1.25				2	20	82	VAV-1D (2.5 KW)
	83															
									1.25						84	

VALPARAISO MAINTENANCE - IT BUILDING PANELBOARD SCHEDULE

MARK & TYPE
"1L4"
TYPE: SQ D NQ OR APPROVED EQUAL
120/208V, 3 PH, 4W
400 AMP MAIN LUGS
NEMA 1
SURFACE MOUNTED

REMARKS
BRANCH CIRCUITS SHALL BE CIRCUIT BREAKERS.
CIRCUIT BREAKERS SHALL HAVE MINIMUM 22,000 AMP INTERRUPTING CAPACITY - TYPE QOB-VH.
TWO SECTION PANEL - BOTH SECTIONS SAME HEIGHT - SECTION 1 OF 2.

DESCRIPTION	CIR	POLE	TRIP	LTS	REC	EQUIP	A	B	C	HEAT	A/C	FUTR	POLE	TRIP	CIR	DESCRIPTION
104,105,106 LIGHTS	1	1	20	0.76			0.76									
					1.50		1.50						1	20	2	CORRIDOR RECPS
100,101,102,103,114, 115 LIGHTS	3	1	20	1.02				1.02								
													1	20	4	SPARE
116,117,118,119, 120 LIGHTS	5	1	20	0.95					0.95							
					1.50				1.50				1	20	6	114 RECP
BULDING EXTERIOR LIGHTS (R-1)	7	1	20	0.49	1.50		1.99									
					1.50		1.50						1	20	8	114 RECP
BULDING EXTERIOR LIGHTS (R-1)	9	1	20	0.56	1.50			2.06								
					1.50			1.50					1	20	10	114 RECP (DISPOSAL)
RELAY R-1 AND R-2 CONTROL AND TIMECLOCK)	11	1	20			1.00			1.00							
					1.50				1.50				1	20	12	114 RECP (MICROWAVE)
116 RECPS	13	1	20		1.08		1.08									
					1.50	1.50							1	20	14	114 RECP (COFFEE MAKER)
119 RECPS	15	1	20		0.54			0.54								
					1.50			1.50					1	20	16	114 RECP (REFRIGERATOR)
105 RECPS	17	1	20		1.50				1.50							
					1.50				1.50				1	20	18	114 RECPS
105 RECP (DATA EQUIPMENT)	19	1	20			1.50	1.50									
					1.50								1	20	20	A114 RECP (COPIER)
104 RECPS	21	1	20													
					1.50			1.50					1	20	22	A114 RECP (VENDING)
102 RECPS	23	1	20													
					1.50				1.50				1	20	24	A114 RECP (VENDING)
101 RECPS	25	1	20													
					0.36		0.36						1	20	26	129 CORRIDOR RECPS
CARD READER	27	1	20			1.00		1.00								
					0.18			0.18					1	20	28	120 CORRIDOR RECP
AUTOMATIC DOOR	29	1	20			1.00			1.00							
					0.18				0.18				1	20	30	120 RECP (WC)
FIRE ALARM CONTROL PANEL	31	1	20			1.00	1.00									
													1	20	32	SITE LIGHTING (R-2)
106 RECPS	33	1	25		0.72			0.72								
													1	20	34	
RECP (ACCESS CONTROL)	35	1	20		1.50				1.50							
						1.70			1.70				2	30	36	CU-2
RECP (BUILDING FMS)	37	1	20		1.50		1.50									
						1.70	1.70								38	
SPARE	39	1	20													
						2.00		2.00					2	30	40	RECP (DATA EQUIPMENT UPS)
SPARE	41	1	20													
									2.00						42	
TOTAL CONNECTED LOAD (kVA)				3.78	27.06	24.93	27.22	25.87	29.18	26.50						
TOTAL DEMAND LOAD (kVA)				3.78	18.53	24.93				26.50						

VALPARAISO MAINTENANCE - IT BUILDING PANELBOARD SCHEDULE

MARK & TYPE
"1L4" - SECTION 2
TYPE: SQ D NQ OR APPROVED EQUAL
120/208V, 3 PH, 4W
400 AMP MAIN LUGS
NEMA 1
SURFACE MOUNTED

REMARKS
BRANCH CIRCUITS SHALL BE CIRCUIT BREAKERS.
CIRCUIT BREAKERS SHALL HAVE MINIMUM 22,000 AMP INTERRUPTING CAPACITY - TYPE QOB-VH.
TWO SECTION PANEL - BOTH SECTIONS SAME HEIGHT - SECTION 2 OF 2.

DESCRIPTION	CIR	POLE	TRIP	LTS	REC	EQUIP	A	B	C	HEAT	A/C	FUTR	POLE	TRIP	CIR	DESCRIPTION
GEF-3 (1/2 HP)	43	1	20													
					1.13	1.13										
WATER HEATER WH-1	45	1	20													
					1.00			1.00								
RECIRCULATING PUMP RCP-1	47	1	20													
SPARE	49	1	20													
SPARE	51	1	20													
SPARE	53	1	20													
SPARE	55	1	20													
SPARE	57	1	20													
SPARE	59	1	20													
SPARE	61	1	20													
SPARE	63	1	20													
SPARE	65	1	20													
DBP-1 (13.75 MCA)	67	3	20		1.70	1.70										
	69				1.70		1.70									
	71															
VAV-1G (8 KW)	73	2	40				4.00		4.00							
							1.50		1.50				2	20	74	ECH-2 (3 KW)
	75							4.00	4.00							
								1.50	1.50						76	
VAV-1H (5 KW)	77	2	30						2.50							
								2.00	2.00				2	20	78	ECH-1 (4 KW)
	79						2.50		2.50							
							2.00		2.00						80	
VAV-1I (3 KW)	81	2	20						1.5							
								2.50	2.50				2	20	82	EUH-1 (5 KW)
	83															
								1.50	1.50						84	
								2.50	2.50							

AD-2 — LIFT STATION (30 MCA)

GIBRALTAR

TECHNOLOGY GENERAL NOTES

1. WORK SHALL COMPLY WITH LOCAL, STATE AND NATIONAL ELECTRIC CODES, AMERICANS WITH DISABILITIES ACT.
2. REFER TO ARCHITECTURAL PLANS AND ELEVATIONS FOR ADDITIONAL TECHNOLOGY INFORMATION AND REQUIREMENTS. IN ALL CASES DEVICE MOUNTING HEIGHTS AND LOCATIONS SHALL CONFORM TO THE LATEST AMERICANS WITH DISABILITIES FEDERAL STANDARDS.
3. EXCAVATION NECESSARY FOR COMPLETION OF WORK SHALL BE PROVIDED. COORDINATE WITH ONE ANOTHER TO SHARE TRENCHES WHEREVER POSSIBLE.
4. REFER TO THE PLANS FOR ADDITIONAL TECHNOLOGY WORK AND REQUIREMENTS.
5. COORDINATE PHASING OF WORK AND PROVIDE TEMPORARY SERVICES AS REQUIRED FOR THE IMPLEMENTATION OF WORK WHILE MAINTAINING SERVICES TO PORTIONS OF BUILDING TO REMAIN OCCUPIED.
6. SCHEDULE WORK TO AVOID DOWNTIME AND INCONVENIENCE TO OWNER. OWNER;S EXISTING FACILITY SHALL REMAIN IN OPERATION AT ALL TIMES. REQUIRED SHUT DOWN OF EXISTING FACILITY UTILITIES SHALL BE SCHEDULED WITH OWNER'S OPERATING PERSONNEL.
7. LAYOUT IS DIAGRAMMATIC. INSTALL DEVICES, CONDUIT AND EQUIPMENT TO MEET ACTUAL FIELD CONDITIONS. REVIEW PROJECT SPECIFICATIONS BEFORE STARTING WORK AND SUBMIT COMPLETE SHOP DRAWINGS AS PER SPECIFICATIONS.
8. VISIT SITE PRIOR TO BID TO DETERMINE AND VERIFY EXISTING INTERIOR AND EXTERIOR TECHNOLOGY SYSTEMS TO VERIFY QUANTITIES AND LOCATIONS OF EXISTING SYSTEMS TO DETERMINE FULL EXTENT OF WORK. INCLUDE THE NECESSARY MODIFICATIONS TO THE EXISTING CONDITIONS (INCLUDING CEILINGS, WALLS, FLOORS, PIPES, CONDUIT, ROOF WORK, ETC.) AS REQUIRED, TO ALLOW FOR PROPER INSTALLATION OF WORK. ADJUST INSTALLATION TO MEET FIELD CONDITIONS AS REQUIRED FOR A COMPLETE AND PROPER INSTALLATION. NO EXTRAS WILL BE ALLOWED AFTER BIDDING FOR ANY REWORD OF EXISTING FIELD CONDITIONS TO RESOLVE CONFLICTS OR NOT FULL UNDERSTANDING THE SCOPE OF THE WORK REQUIRED. EXISTING EQUIPMENT, CONDUIT, PIPING, ETC. SHALL BE REMOVED AS NOTES ON DRAWINGS AND AS REQUIRED TO MEET NEW SCOPE OF WORK.
9. HIDDEN CONDITIONS IDENTIFIED THROUGH THE COURSE OF CONSTRUCTION SHALL BE IMMEDIATELY BROUGHT TO ATTENTION IN WRITTEN FORM FOR REVIEW AND DIRECTION. FAILURE TO DO SO SHALL REQUIRE THE CHANGES AND COSTS TO CORRECT SAID HIDDEN CONDITION TO BE COMPLETED AT NO COST. EXISTING EQUIPMENT NOT IDENTIFIED SHALL BE BROUGHT TO ATTENTION FOR REVIEW AS TO WHETHER THE EQUIPMENT SHALL REMAIN AND BE RECONNECTED TO THE NEW SERVICES, BE RELOCATED, BE ABANDONED, ETC.
10. REMOVE AND REINSTALL EXISTING CEILINGS NOT BEING REPLACED (INCLUDING LIGHTS, MOTION SENSORS, FIRE ALARM DEVICES AND ANY OTHER TECHNOLOGY DEVICES AS REQUIRED.) WHERE NECESSARY TO PERFORM WORK. THIS ALSO INCLUDES EXISTING CEILINGS OF PLASTER, DRYWALL, ETC. COORDINATE WORK IN CEILING SPACE SO AS TO MINIMIZE THE AMOUNT OF CEILINGS WHICH MUST BE REMOVED AND REINSTALLED. REVIEW THE ENTIRE SET OF CONTRACT DOCUMENTS IN ORDER TO FULLY UNDERSTAND AND INCLUDE CEILING WORK NECESSARY FOR WORK ON THE PROJECT. WHEN THE WORK IS COMPLETED IN THE SPACE, REINSTALL OR PATCH EXISTING CEILINGS, REINSTALL DEVICES AND EQUIPMENT AND REPAIR DAMAGE AS REQUIRED TO COMPLETELY MATCH EXISTING CONDITIONS. REPAIR OR REPLACE ANY DAMAGE CAUSED TO EXISTING CEILING AREAS.
11. REMOVE EXISTING CONSTRUCTION AS REQUIRED AT EXISTING WALLS, FLOORS, PIPE CHASES, SURFACES, FINISHES, ETC. WHICH ARE AFFECTED. REPAIR EXISTING SURFACES AFFECTED, TO MATCH EXISTING SURFACE OF EQUAL OR BETTER QUALITY TO THE SATISFACTION OF THE OWNER'S REPRESENTATIVE.
12. COORDINATE NEW INSTALLATIONS WITH EXISTING SYSTEMS.
13. EXISTING TECHNOLOGY DEVICES, CONDUIT, ETC., SHALL BE REMOVED AS NOTED ON DRAWINGS AND AS REQUIRED TO MEET NEW SCOPE OF WORK. EXISTING TECHNOLOGY EQUIPMENT SHALL REMAIN PROPERTY OF THE OWNER AND SHALL BE PROPERLY STORED ON SITE, OR DESIGNATED TO BE ABANDONED AND REMOVED FROM SITE AS DIRECTED BY OWNER.
14. PERFORM CUTTIN AND PATCHING OF EXISTING FLOOR SLABS AND WALLS AS REQUIRED FOR THE INSTALLATION OF TECHNOLOGY SYSTEMS.
15. EXISTING TECHNOLOGY DEVICES WITHIN WALLS TO BE REMOVED SHALL BE DISCONNECTED COMPLETELY. VERIFY EXACT CONDITIONS AND REQUIREMENTS IN FIELD.
16. WHERE INDICATED ON THE DRAWINGS IN UNFINISHED SPACES, RUN EXPOSED RACEWAYS PARALLEL WITH OR AT RIGHT ANGLES TO WALL.
17. NO RACEWAYS SHALL BE INSTALLED WITHIN 6" OF STEAM, HOT WATER PIPES OR SIMILAR HEAT PRODUCING APPLIANCES.
18. PROVIDE PULL WIRE IN EACH RACEWAY IN WHICH WIRING IS NOT INSTALLED.
19. COVERS OF JUNCTION OR PULL BOXES SHALL BE ACCESSIBLE AND IDENTIFIED PER SPECIFICATIONS. JUNCTION OR PULL BOXES AND THE LIKE SHALL BE INDEPENDENTLY SUPPORTED TO BUILDING STRUCTURE WITH NO WEIGHT BEARING ON RACEWAYS.
20. UNLESS OTHERWISE NOTED, DEVICE ELEVATIONS REFER TO CENTER LINE OF JUNCTION BOX. VERIFY JUNCTION BOX LOCATIONS WITH FINAL EQUIPMENT LAYOUT PRIOR TO ROUGHING IN SAME.
21. LOW VOLTAGE DEVICE ROUGH-INS SHALL BE THE RESPONSIBILITY OF THE DIVISION 26 CONTRACTOR. CABLING, EQUIPMENT, FACEPLATES, ETC. SHALL BE THE RESPONSIBILITY OF THE DIVISION 27 AND DIVISION 28 CONTRACTORS.
22. FOR COORDINATION PURPOSES, OCCASSIONALLY AN ITEM OF WORK WILL BE SHOWN ON THE E SERIES DRAWINGS AND THE T SERIES DRAWINGS. REQUEST A CLARIFICATION FOR ANY ITEMS THAT APPEAR UNCLEAR AS TO QUANTITY OR CONTRACT RESPONSIBILITY. EXAMPLE: ELECRICAL DEVICES ARE SHOWN ON T SERIES SHEETS FOR COORDINATION AND SPACING PURPOSES; THE ELECTRICAL OUTLETS AND POWER EQUIPMENT IS THE RESPONSIBILITY OF DIVISION 26. LIKEWISE, SOME TELECOMMUNICATIONS CONDUITS APPEAR ON E SERIES SHEETS FOR SPACE COORDINATION; TELECOMMUNICATIONS PATHWAY AND SPACES ARE COVERED UNDER DIVISION 27.

AD-2

SYMBOL LIST

COMMUNICATIONS

AD-2

- DUPLEX DATA OUTLET - WITH (2) 3/4" CONDUITS STUBBED INTO ACCESSIBLE CEILING SPACE WITH INSULATED BUSHING - MOUNTED AT +18" AFF, UNLESS NOTED OTHERWISE. MOUNTED ADJACENT TO AN ELECTRICAL RECEPTACLE OR AS NOTED. PROVIDE CAT-6 PLENUM CABLE. FROM EACH JACK, TO NEAREST TR OR MDF LOCATION INDICATED ON PLANS. TERMINATE WITH RJ-45 JACK. TEST AND LEAVE 10' SLACK LENGTH.
- WAP DUPLEX DATA OUTLET FOR WIRELESS ACCESS POINTS - LOCATED ABOVE ACCESSIBLE CEILING SPACE AND 6" ABOVE THE GRID OR TIGHT TO THE ROOF DECK WHERE NO CEILINGS EXIST. PROVIDE 3/4" CONDUIT STUBBED INTO ACCESSIBLE CEILING SPACE WITH INSULATED BUSHING. PROVIDE CAT-6A PLENUM CABLE. FROM EACH JACK, TO NEAREST MDF OR TR LOCATION INDICATED ON PLANS. TERMINATE WITH RJ-45 CAT-6 JACK, TEST AND LEAVE 10' SLACK LENGTH.

AD-2

- DUPLEX DATA OUTLET MOUNTED IN WIREMOLD RACEWAY BOX OR BOX. PROVIDE FLOOR BOX AND ADAPTER TO MOUNT TO BOX. ROUTE (2) 3/4" CONDUITS INTO ACCESSIBLE CEILING SPACE WITH INSULATED BUSHING. PROVIDE CAT-6 PLENUM CABLE. FROM EACH JACK, TO NEAREST TR OR MDF LOCATION INDICATED ON PLANS. TERMINATE WITH RJ-45 JACK. TEST AND LEAVE 10' SLACK LENGTH.
- E AIPHONE EXTERIOR DOOR INTERCOM SYSTEM (AIPHONE IX-DVF). MOUNTED 48" A.F.F. PROVIDE BACK BOX WITH 3/4" CONDUIT ROUTED TO THE ACCESSIBLE CEILING SPACE. PROVIDE CAT-6 PLENUM CABLE, FROM EACH STATION, TO NEAREST MDF LOCATION INDICATED ON PLANS. TERMINATE WITH RJ-45 JACK. TEST AND LEAVE 10' SLACK LENGTH.
- I AIPHONE INTERIOR DOOR INTERCOM SYSTEM (AIPHONE IX-MV SERIES INTERCOM SYSTEM). PROVIDE BACK BOX WITH 3/4" CONDUIT ROUTED TO THE ACCESSIBLE CEILING SPACE. PROVIDE CAT-6 PLENUM CABLE, FROM EACH STATION, TO NEAREST MDF LOCATION INDICATED ON PLANS. TERMINATE WITH RJ-45 JACK. TEST AND LEAVE 10' SLACK LENGTH. PROVIDE SELECTIVE DOOR/GATE RELEASE. PROVIDE ADDITIONAL BUTTON TO SELECTIVELY UNLOCK DOORS IN VESTIBULE CONSISTENT WITH OWNER STANDARD.

AD-2

- FLUSH IN WALL "TV" PANEL CONSISTING WITH ONE (1) DUPLEX RECEPTACLE MOUNTED IN A BACK BOX. PROVIDE SEPARATE 2-GANG BACK BOX WITH DATA JACK AND CABLING BACK TO TR/MDF AS INDICATED IN THE DATA JACK SYMBOL. STUB (2) 1" CONDUITS TO ACCESSIBLE CEILING SPACE WITH INSULATED BUSHING. MOUNT DEVICE AT AS A.F.F. AND COORDINATE MOUNTING HEIGHT WITH THE ARCHITECTURAL ELEVATIONS.

AD-2

- FLUSH IN CEILING "TV" PANEL CONSISTING WITH ONE (1) DUPLEX RECEPTACLE MOUNTED IN A BACK BOX. PROVIDE SEPARATE 2-GANG BACK BOX WITH DATA JACK AND CABLING BACK TO TR/MDF AS INDICATED IN THE DATA JACK SYMBOL. STUB (2) 1" CONDUITS TO ACCESSIBLE CEILING SPACE WITH INSULATED BUSHING. MOUNT DEVICE FLUSH IN CEILING.
- WALL MOUNTED ANALOG CLOCK UNIT. PROVIDE BACK BOX WITH 3/4" CONDUIT ROUTED TO THE ACCESSIBLE CEILING SPACE WITH INSULATED BUSHING. SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION.
- S PAGING INTERCOM CEILING SPEAKERS - WITH AIR PLENUM BACK BOX AND 3/4" CONDUIT TO ACCESSIBLE CEILING SPACE WITH INSULATED BUSHING. MOUNT IN SURFACE BOX WHERE NO CEILINGS EXIST. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.
- INTERCOM PRIVACY CALL-IN SWITCH - MOUNTED 42" A.F.F. PROVIDE 2-GANG BACK BOX WITH SINGLE GANG MUD RING WITH 3/4" CONDUIT ROUTED TO THE ACCESSIBLE CEILING SPACE WITH INSULATED BUSHING. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.
- CEILING MOUNTED DEMONSTRATION CAMERA. EQUIPMENT BY OWNER. CONSISTING WITH ONE (1) DUPLEX RECEPTACLE MOUNTED IN A BACK BOX. PROVIDE SEPARATE 2-GANG BACK BOX WITH DATA JACK AND CABLING BACK TO TR/MDF AS INDICATED IN THE DATA JACK SYMBOL. STUB 1" CONDUIT TO ACCESSIBLE CEILING SPACE WITH INSULATED BUSHING. MOUNT DEVICE FLUSH IN CEILING.
- WIREMOLD #V4000 SERIES RACEWAY VERTICAL RISER.
- TELE-POWER POLE. REFER TO ELECTRICAL DETAILS FOR ADDITIONAL REQUIREMENTS.

SECURITY

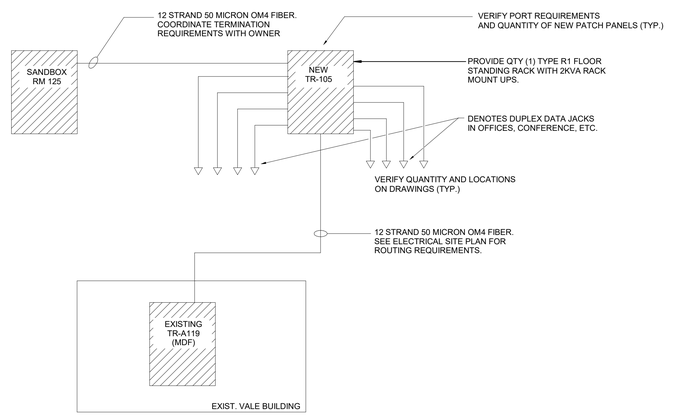
- DC SECURITY SYSTEM DOOR CONTACT - ROUGH-IN ONLY - ROUTE 3/4"C FROM THE ACCESSIBLE CEILING SPACE AND STUB INTO THE DOOR MULLION.
- CA CARD ACCESS CONTROLLER - PROVIDE BACK BOX MOUNTED 42" A.F.F. WITH 3/4"C, ROUTED TO THE ACCESSIBLE CEILING SPACE. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.
- L ELECTRIC DOOR STRIKE - STUB 3/4" CONDUIT FROM THE ACCESSIBLE CEILING SPACE TO THE DOOR MULLION FOR WIRING. INTERFACE WIRING FROM THE DOOR STRIKE TO THE DOOR ACCESS SYSTEM FOR A COMPLETE AND PROPERLY OPERATING SYSTEM.
- INTERIOR CEILING MOUNTED SURVEILLANCE CAMERA. EQUIPMENT BY OWNER. PROVIDE 2-GANG BACK BOX WITH SINGLE GANG MUD RING WITH 3/4"C. ROUTED TO THE ACCESSIBLE CEILING SPACE. PROVIDE CAT-6 PLENUM CABLE. FROM EACH JACK, TO NEAREST TR LOCATION INDICATED ON PLANS. TERMINATE WITH RJ-45 JACK. TEST AND LEAVE 10' SLACK LENGTH.
- WP EXTERIOR SURVEILLANCE CAMERA - MOUNTED 12'-0" A.F.F., EQUIPMENT BY OWNER. VERIFY HEIGHT IN FIELD. PROVIDE 2-GANG BACK BOX. WITH SINGLE GANG MUD RING WITH 3/4"C, ROUTED TO THE ACCESSIBLE CEILING SPACE. PROVIDE CAT-6 PLENUM CABLE. FROM EACH JACK, TO NEAREST TR LOCATION INDICATED ON PLANS. TERMINATE WITH RJ-45 JACK. TEST AND LEAVE 10' SLACK LENGTH.
- D DOOR OPERATOR PUSH BUTTON FURNISHED BY OTHERS, WIRED AND INSTALLED BY CONTRACTOR. PROVIDE TWO (2) GANG BACK-BOX MOUNTED AT 42" A.F.F. WITH 3/4"C. ROUTED DOOR OPERATOR.

SHEET SYMBOLS

- 1 ELLIPSE TAG REFERENCE TO SHEET NOTES
- TWO DEVICE MOUNTED UNDER COMMON COVER. WHERE LOW VOLTAGE DEVICES ARE MOUNTED UNDER COMMON COVER, COMBINE CONDUIT STUBS MAINTAINING THE EQUIVALENT FREE AREA FOR THE LOW VOLTAGE CABLING.
- RN / NI REMOVE EXISTING DEVICE AND PROVIDE NEW AS INDICATED IN EXISTING BACK BOX, JUNCTION BOX, ETC. VERIFY EXACT LOCATION AND CONDITIONS IN FIELD. MODIFY EXISTING BACK BOX, JUNCTION BOX, ETC. PROVIDE TRIM PLATES, EXTENSION RINGS, ETC. AS REQUIRED TO MOUNT NEW DEVICE AS INDICATED.
- F&I NEW DEVICE AS INDICATED.
- EX EXISTING LIGHTS, RECEPTACLES, SPECIAL SYSTEMS, DEVICE, ETC. TO REMAIN.
- ER EXISTING LIGHTS, RECEPTACLES, SPECIAL SYSTEMS, DEVICE, ETC. TO BE REMOVED COMPLETE IN ITS ENTIRETY. REMOVE ALL ASSOCIATED SURFACE MOUNTED CONDUIT, OUTLETS, ETC. AND BLANK-OFF FLUSH WITH NEW OR EXISTING CONSTRUCTION. SEE GENERAL NOTES AND SPECIFICATIONS FOR ADDITIONAL INFORMATION.
- RR REMOVE EXISTING LIGHTS, RECEPTACLES, SPECIAL SYSTEMS, DEVICES, ETC. AND RELOCATE TO NEW LOCATION COMPLETE AS REQUIRED.
- NE NEW LOCATION OF EXISTING RELOCATED LIGHTS, RECEPTACLES, SPECIAL SYSTEMS, DEVICE, ETC. EXTEND CONDUIT, WIRE, CABLE, ETC. COMPLETE AS REQUIRED TO NEW LOCATION FOR A COMPLETE AND PROPER INSTALLATION.

NETWORK CABLING DIAGRAM

TR-105 DEVICE COUNTS			
DEVICE	QTY	DROPS	TOTAL
DUPLEX OUTLETS	4	2	8
DISPLAYS	1	2	2
			2
TOTAL DATA DROPS			12
WIRELESS ACCESS	2	2	2
TOTAL WAP DROPS			2
CAMERA	6	1	6
TOTAL CAMERA DROPS			6



NOTE:

ELECTRICAL CONTRACTOR SHALL PROVIDE GROUNDING AND BONDING FOR ALL DATA AND VOICE SYSTEMS AND THIS SHALL COMPLY WITH THE GROUNDINGAND BONDING REQUIREMENTS OF EIA/TIA 607. ALL BONDING CONDUCTORS SHALL BE MINIMUM #4 AWG. INSULATED COPPER. PROVIDE A GROUNDING BUS BAR AT EACH CLOSET LOCATION.

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PROJECT 25-112
DATE 09/04/25
COORDINATED BY SM
DRAWN BY CJ
CHECKED BY DJ

DAVID G. JANNEY REGISTERED NO. 10302590 STATE OF INDIANA PROFESSIONAL ENGINEER

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DRAWING
TECHNOLOGY NOTES, SYMBOLS & ABBREVIATIONS

PROJECT
NEW MAINTENANCE AND IT BUILDING

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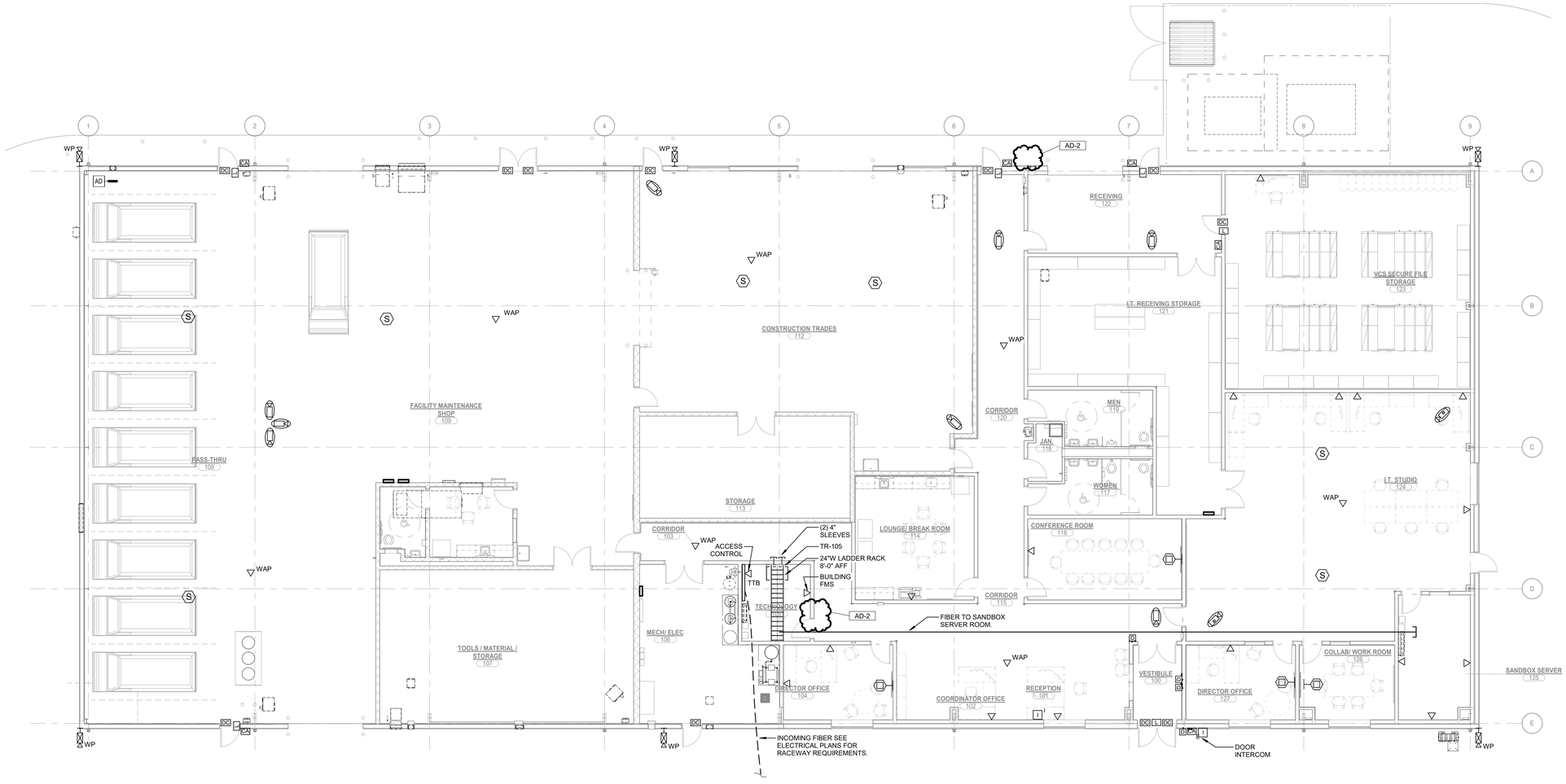

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TECHNOLOGY FIRST FLOOR PLAN

1/8" = 1'-0"

NORTH

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DRAWING
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NEW MAINTENANCE AND IT BUILDING

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VALE ADDITION AND RENOVATION

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T-102	UNIT "B" TECHNOLOGY FIRST FLOOR PLAN
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COVER SHEET

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VALE ADDITION AND RENOVATION

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ROOF FRAMING KEYED NOTES

(A) DENOTES NEW STEEL BEAM OR LINTEL BEARING ON NEW BLOCK LOCATION. REFER TO DETAIL 11/S-403 FOR LINTEL BEARING REQUIREMENTS. AT OPENINGS, COORD. EXACT LINTEL ELEV. & EXTENTS w/ ARCH. DWGS. PROVIDE 3/8" x (NOM. WALL WIDTH - 1") PLATE CONT. WELDED TO LINTEL BOTTOM FLANGE. AT EXTERIOR OPENINGS WITH MASONRY VENEER, PROVIDE LOOSE LINTEL PER LINTEL SCHEDULE ON SHEET S-002.

(B) APPROXIMATE LOCATION OF ROOF TOP UNIT. PROVIDE CHANNEL BELOW UNIT PER TYPICAL DETAIL ON SHEET S-411. COORDINATE EXACT SIZE AND LOCATION WITH THE APPROPRIATE TRADE. AT EXIST. TECTUM ROOF LOCATIONS, PROVIDE TREATED 2x12 UNDER RTU RAILS SPANNING 3 JOISTS MIN. OR SPANNING OVER (2) NEW STEEL BEAMS. SEE DETAIL 9/S-411.

(C) DENOTES LOCATION WHERE STEEL BEAM IS TO EXTEND OVER STEEL COLUMN. AD-1

(D) DENOTES NEW STEEL BEAM OR LINTEL BEARING ON EXIST. BLOCK. REFER TO DETAIL 6/S-403 FOR LINTEL BEARING REQUIREMENTS. COORD. EXACT LINTEL ELEV. & EXTENTS w/ ARCH. DWGS.

(E) PROVIDE CONT. L8x8x1/2 FOR HIGH BRICK SUPPORT. ANCHOR TO 12" BLOCK w/ 5/8" DIA. HILTI "KWIK HUS-EZ" SCREW ANCHORS w/ 7" EMBED, SET INTO GROUTED BLOCK CELLS, SPACED AT 24" o.c. MAX.

(F) L7x4x3/8 CONT.

(G) L4x4x3/8 DIAGONAL BRACING, ALIGNED TO JOIST BRIDGING LOCATIONS. COORDINATE WITH JOIST SUPPLIER.

(H) DENOTES NON-LOAD BEARING CONCRETE BLOCK LINTEL OVER OPENING. REFER TO DETAIL 9/S-403 FOR LINTEL AND REINFORCEMENT REQUIREMENTS. COORD. EXACT OPENING LOCATIONS & EXTENTS w/ THE ARCH. DWGS.

(J) EXISTING ROOF JOISTS SUPPORTING NEW ROOF TOP UNIT REQUIRE JOIST REINFORCEMENT. REFER TO 6/S-411 FOR JOIST REINFORCEMENT DETAILS. AD-2

ROOF FRAMING PLAN NOTES

A. REFER TO SHEET S-001 FOR STRUCTURAL NOTES, DESIGN DATA & SCHEDULES.
B. ALL CONTRACTORS ARE REQUIRED TO COORDINATE THEIR WORK WITH ALL DISCIPLINES TO AVOID CONFLICTS. THE MECHANICAL, ELECTRICAL, AND PLUMBING ASPECTS ARE NOT IN THE SCOPE OF THESE DRAWINGS. THEREFORE, ALL REQUIRED MATERIALS AND WORK MAY NOT BE INDICATED.
C. ALL ELEVATIONS LISTED ARE REFERENCED FROM THE GROUND FLOOR FINISH FLOOR ELEVATION 100'-0" OF NEW CONSTRUCTION. REFER TO THE CIVIL DRAWINGS FOR EXACT U.S.G.S. ELEVATION.
D. REF. ARCH. DRAWINGS FOR ALL DIMENSIONS NOT SHOWN. CONTRACTOR SHALL VERIFY ALL DIMENSIONS PRIOR TO CONSTRUCTION AND IMMEDIATELY NOTIFY ARCHITECT/ENGINEER OF ANY DISCREPANCIES.
E. COORDINATE SIZE AND LOCATION OF ANY ROOF OPENINGS w/ APPROPRIATE TRADE(S).
F. JOIST BRIDGING LOCATIONS AND SIZES ARE TO BE DETERMINED BY SUPPLIER PER SJI STANDARDS.
G. BEAR BEAM ON TOP OF COLUMN AT THIS LOCATION. DO NOT PROJECT BEAM BEYOND OUTSIDE FACE OF STUD AT EXTERIOR WALL.
H. DASHED LINE INDICATES STEEL CHANNEL LAID IN DECK FLUTES FOR ROOF TOP CURB SUPPORT. REFER TO SECTION ON SHEET S-411 FOR ADDITIONAL INFORMATION.
I. FOR ESTIMATING PURPOSES ASSUME AN ADDITIONAL 5% OF OVERALL STEEL TONNAGE TO ACCOUNT FOR LATERAL BRACING.
J. WHERE EXTERIOR BEAMS PENETRATE THE EXTERIOR INSULATION BARRIER, SPRAY BEAMS w/ TNEMEC "AEROLOW" THERMAL INSULATING COATING FOR 3'-0" ON EXTERIOR SIDE AND 3'-0" ON INTERIOR SIDE.

PLAN LEGEND:

R-20 — DENOTES 1-1/2", 20 GA. WIDE RIB STEEL ROOF DECK, PRIME PAINTED ONLY.

DENOTES **APPROX.** LOCATION OF ROOF OPENING. COORD. EXACT SIZE AND LOCATION WITH APPROPRIATE TRADE. REFER TO TYPICAL DETAILS ON SHEET S-411 FOR FRAMING AT OPENING.

DENOTES BEAM SIZE — W24X55 +15' - 7" — AD-2

DENOTES TOP OF STEEL ELEVATION

CANOPY FRAMING KEYED NOTES

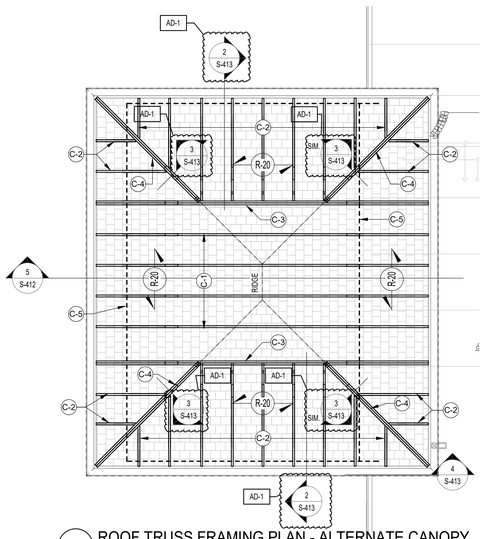
(C-1) PRE-FABRICATED COLD-FORMED STEEL TRUSSES AT 24" o.c.

(C-2) PRE-FABRICATED MONO-PITCH JACK TRUSSES AT 24" o.c.

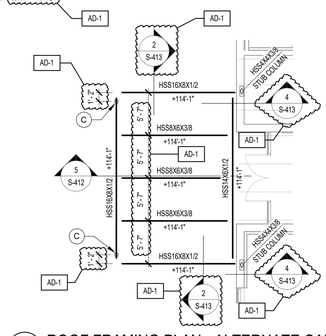
(C-3) MULTI-PLY GIRDER TRUSS

(C-4) MULTI-PLY HIP JACK TRUSS

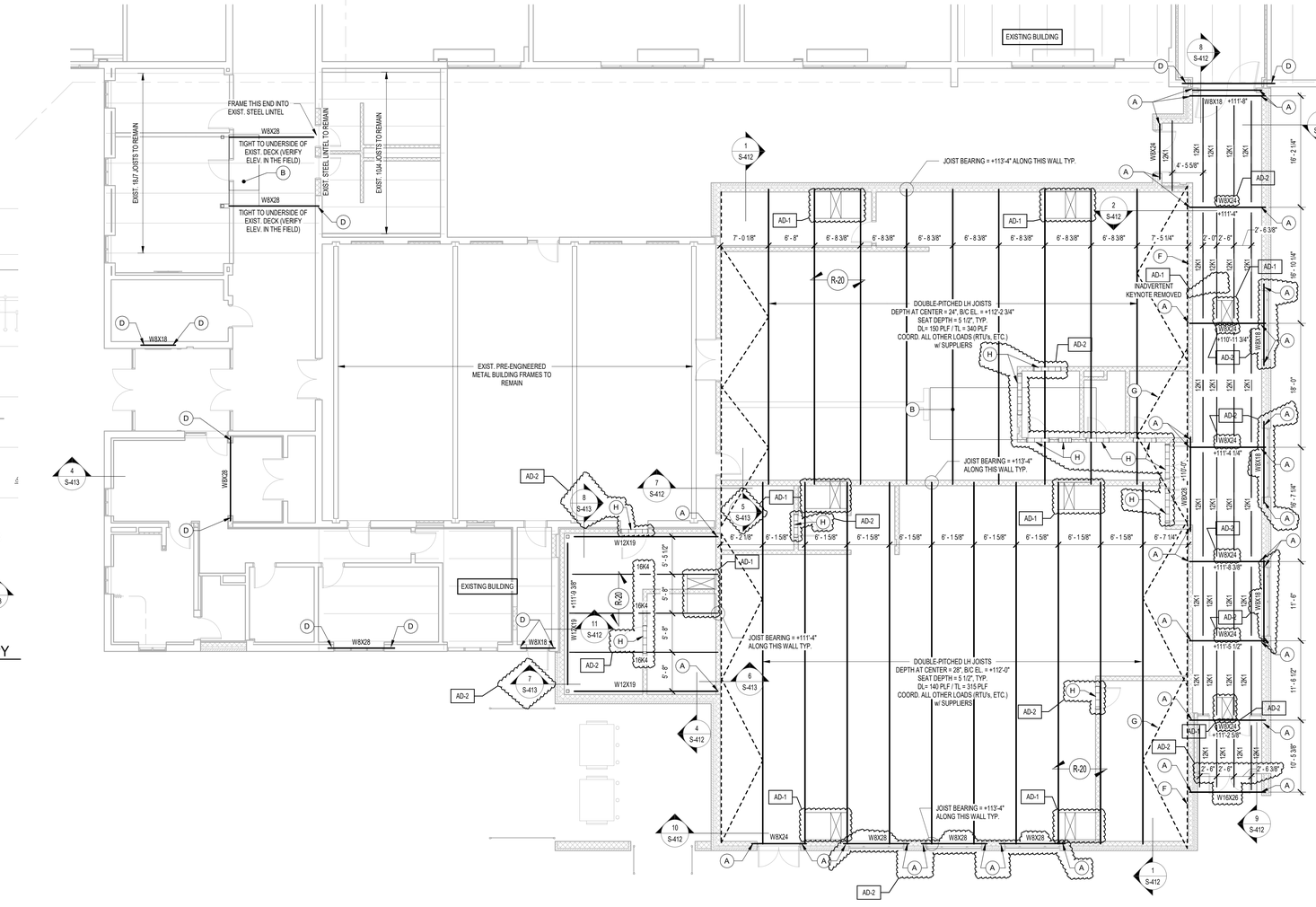
(C-5) DASHED LINE DENOTES STEEL TUBE FRAMING BELOW. SEE FRAMING PLAN THIS SHEET.



3 ROOF TRUSS FRAMING PLAN - ALTERNATE CANOPY
1/4" = 1'-0"



2 ROOF FRAMING PLAN - ALTERNATE CANOPY
1/8" = 1'-0"



1 ROOF FRAMING PLAN - UNIT C
1/8" = 1'-0"

GIBRALTAR DESIGN
ARCHITECTURE - ENGINEERING - INTERIOR DESIGN

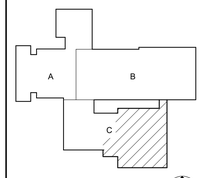
Lynch, Harrison & Brumleve, Inc.

PROJECT:

VALE ADDITION AND RENOVATION

VALPARAISO COMMUNITY SCHOOLS

653 HAYES LEONARD RD
VALPARAISO, IN 46385



KEY PLAN — NORTH

100% CD SET

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PROJECT
25-113
DATE
09/04/25
COORDINATED BY
NHF
DRAWN BY
NHF
CHECKED BY
SAC

SCOTT A. CLORE REGISTERED PE10606154 STATE OF INDIANA PROFESSIONAL ENGINEER

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REVISIONS

MARK	DATE	ISSUED FOR
AD-1	09.11.2025	ADDENDUM 1
AD-2	09.18.2025	ADDENDUM 2

DRAWING
ROOF FRAMING PLAN - UNIT C

PROJECT
VALE ADDITION AND RENOVATION

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SHEET
S-203

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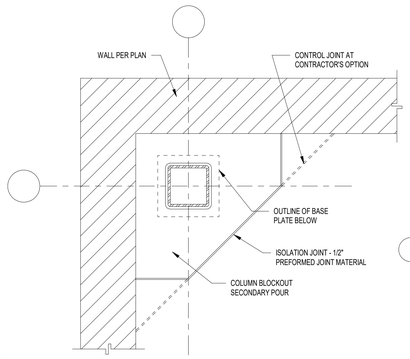
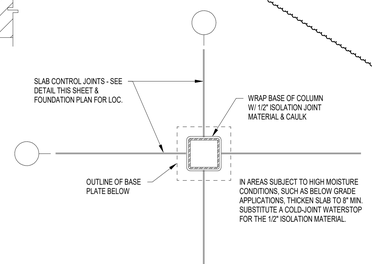


1. ADJUST AS REQUIRED TO ACCOMMODATE COLUMN BASE PLATES AND GROUTING PROCEDURES.
2. WHERE THIN-SET EPOXY TERRAZZO OR VINYL SHEET GOODS ARE THE SCHEDULED FLOOR FINISH, ELIMINATE THE DIAMOND-SHAPED ISOLATION JOINT AND EXTEND THE CONTROL JOINTS TO THE COLUMN.

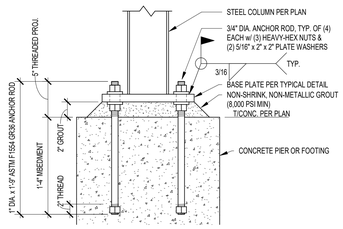
AT WALL CORNERS



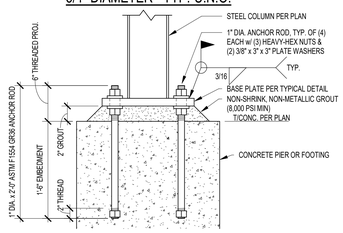
NOTE: THIS DETAIL SHOULD BE USED IN LIEU OF A DIAMOND OR ROUND ISOLATION JOINT TO PREVENT TELEGRAPHING THROUGH FINISH FLOOR MATERIALS SUCH AS THIN-SET TERRAZZO, CERAMIC TILE, VINYL TILE, ETC. SOME MINOR RANDOM SHRINKAGE CRACKS SHOULD BE ANTICIPATED.

AT OTHER LOCATIONS

14 COLUMN ISOLATION JOINT DETAILS
NOT TO SCALE



3/4" DIAMETER - TYP.-U.N.O.

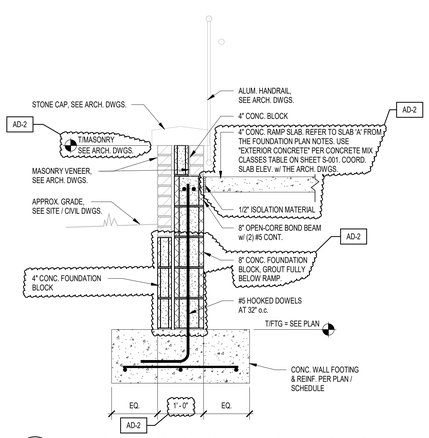


1" DIAMETER - AT DIAGONAL BRACE LOCATIONS

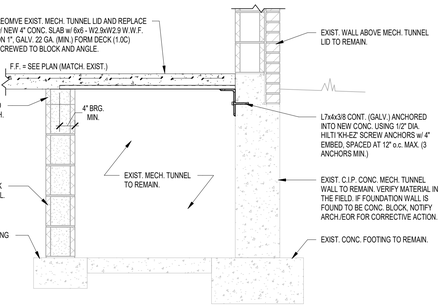
ANCHOR ROD GENERAL NOTES:

1. LOCATION OF ANCHOR BOLTS MUST NOT VARY MORE THAN 1/8" CENTER-TO-CENTER OF ANY TWO BOLTS WITHIN AN ANCHOR BOLT GROUP.
2. HOLD MAX. DEVIATION OF 1/4", CENTER-TO-CENTER OF ADJACENT ANCHOR BOLT GROUPS.
3. HOLD ELEVATION OF THE TOP OF THE ANCHOR BOLTS TO +/-1/2 INCH.
4. HOLD MAXIMUM DEVIATION OF 1/4" FROM THE CENTER OF ANY ANCHOR BOLT GROUP TO THE ESTABLISHED COLUMN LINE THROUGH THAT GROUP.
5. REFER TO THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION *CODE OF STANDARD PRACTICE* FOR ADDITIONAL INFORMATION.

13 ANCHOR ROD DETAILS
NOT TO SCALE



12 FOUNDATION SECTION - ALTERNATE RAMP
3/4" = 1'-0"



10 FOUNDATION SECTION
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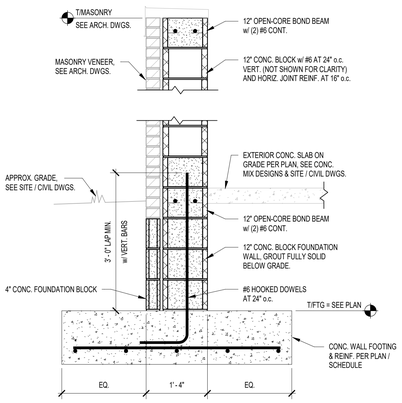

9 FOUNDATION SECTION
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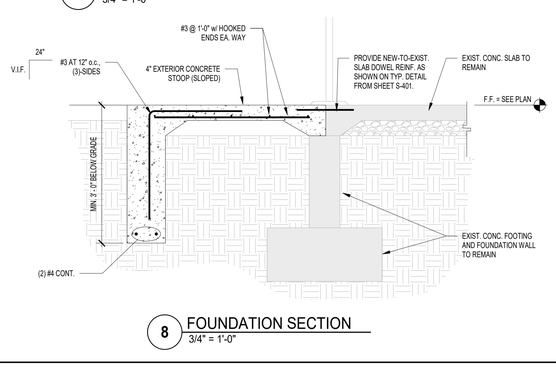

8 FOUNDATION SECTION
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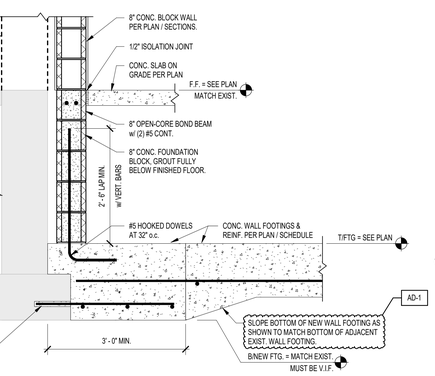

6 FOUNDATION SECTION
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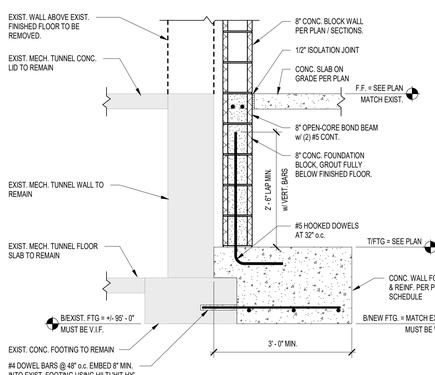
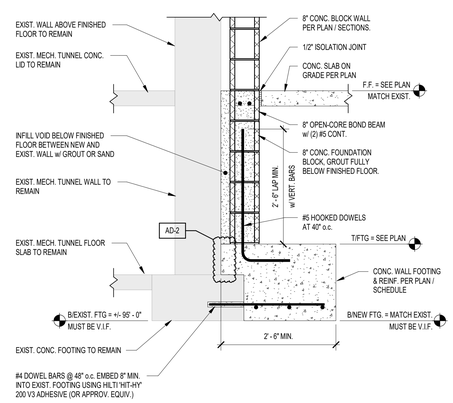
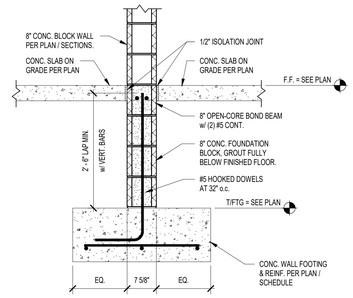


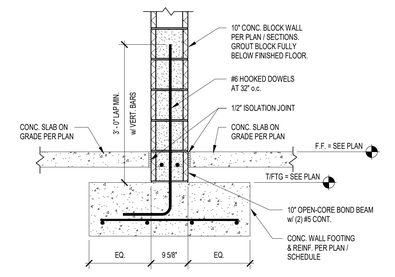
5 FOUNDATION SECTION
3/4" = 1'-0"



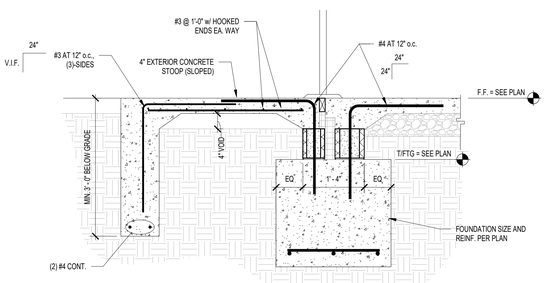
7 FOUNDATION SECTION
3/4" = 1'-0"



4 FOUNDATION SECTION
3/4" = 1'-0"



3 FOUNDATION SECTION
3/4" = 1'-0"



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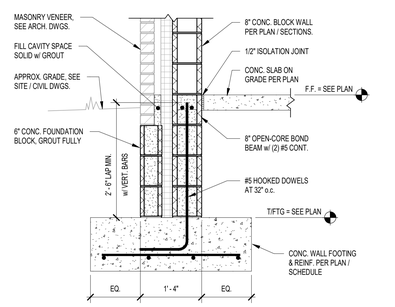

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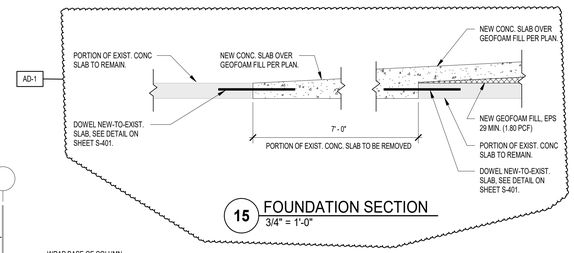
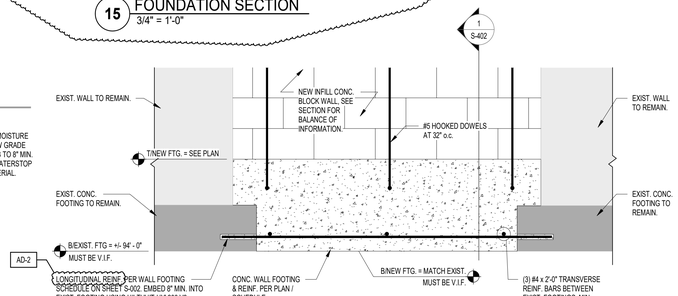
3/4" = 1'-0"



15 FOUNDATION SECTION
3/4" = 1'-0"



11 FOUNDATION SECTION
3/4" = 1'-0"

GIBRALTAR DESIGN
ARCHITECTURE - ENGINEERING - INTERIOR DESIGN
Lynch, Harrison & Brumleve, Inc.

PROJECT:

VALE ADDITION AND RENOVATION

VALPARAISO COMMUNITY SCHOOLS
653 HAYES LEONARD RD
VALPARAISO, IN 46385

100% CD SET

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PROJECT 25-113
DATE 09/04/25
COORDINATED BY NHF
DRAWN BY NHF
CHECKED BY SAC

SCOTT A. CLORE REGISTERED PE10606154 STATE OF INDIANA PROFESSIONAL ENGINEER

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REVISIONS

MARK	DATE	ISSUED FOR
AD-1	09.11.2025	ADDENDUM 1
AD-2	09.18.2025	ADDENDUM 2

DRAWING
STRUCTURAL FOUNDATION SECTIONS & DETAILS

PROJECT
VALE ADDITION AND RENOVATION

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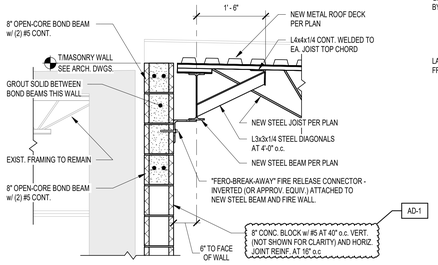

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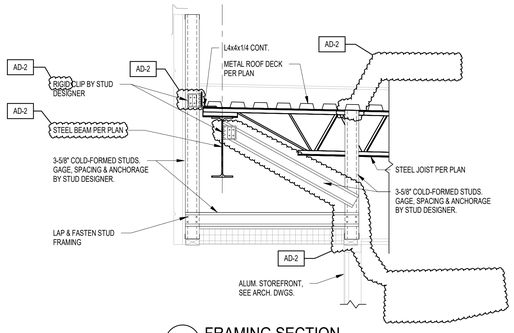

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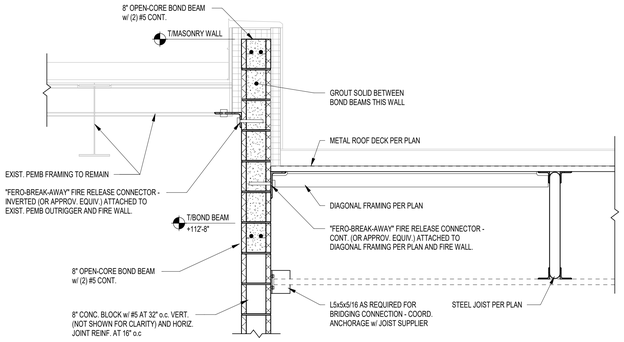

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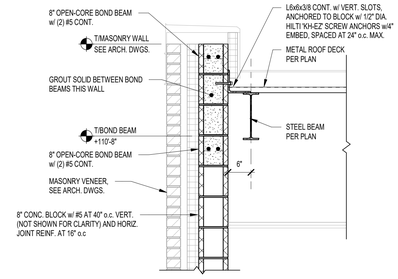

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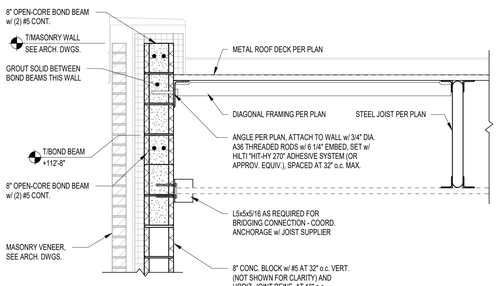

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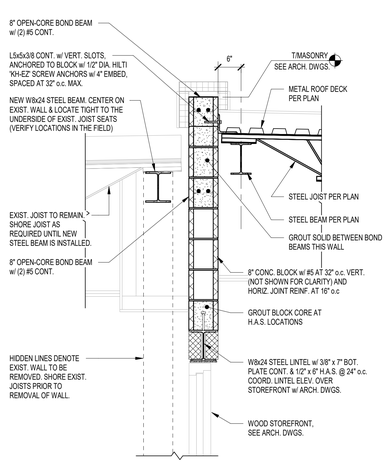

8 FRAMING SECTION
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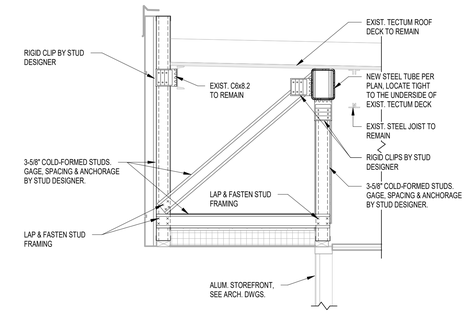

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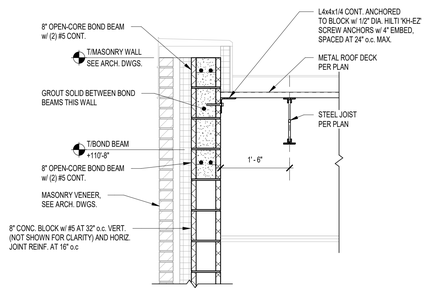
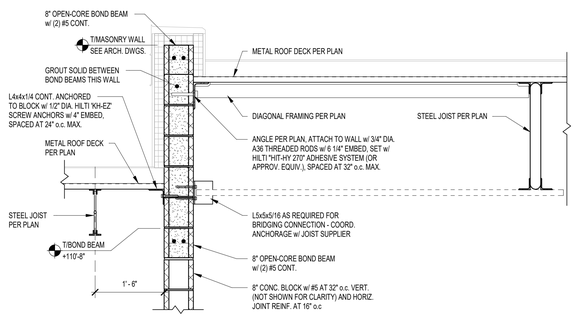
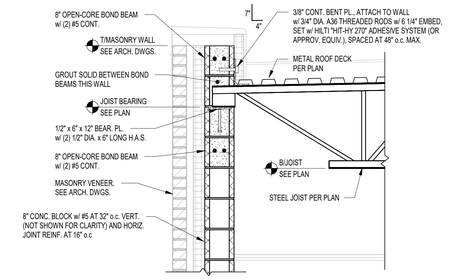


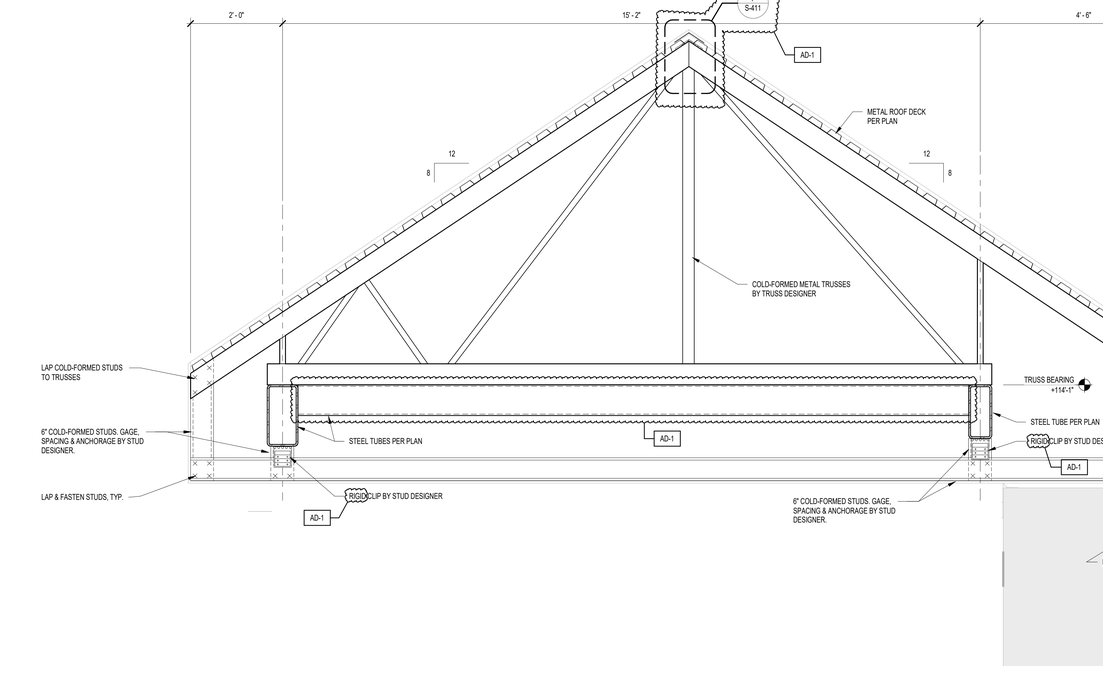
3 FRAMING SECTION
3/4" = 1'-0"



2 FRAMING SECTION
3/4" = 1'-0"



1 FRAMING SECTION
3/4" = 1'-0"



5 FRAMING SECTION - ALTERNATE CANOPY
3/4" = 1'-0"

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ARCHITECTURE - ENGINEERING - INTERIOR DESIGN
LHB Lynch, Harrison & Brumleve, Inc.

PROJECT:

VALE ADDITION AND RENOVATION

VALPARAISO COMMUNITY SCHOOLS
653 HAYES LEONARD RD
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100% CD SET

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PROJECT 25-113
DATE 09/04/25
COORDINATED BY NHF
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CHECKED BY SAC

SCOTT A. CLORE REGISTERED PE10606154 STATE OF INDIANA PROFESSIONAL ENGINEER

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REVISIONS

MARK	DATE	ISSUED FOR
AD-1	09.11.2025	ADDENDUM 1
AD-2	09.18.2025	ADDENDUM 2

DRAWING
STRUCTURAL FRAMING SECTIONS

PROJECT
VALE ADDITION AND RENOVATION

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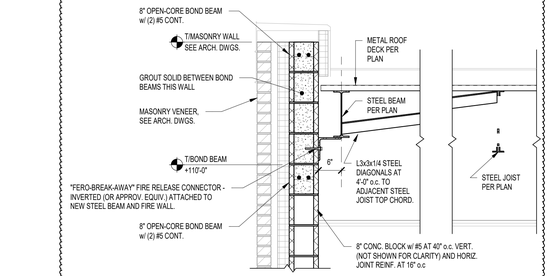
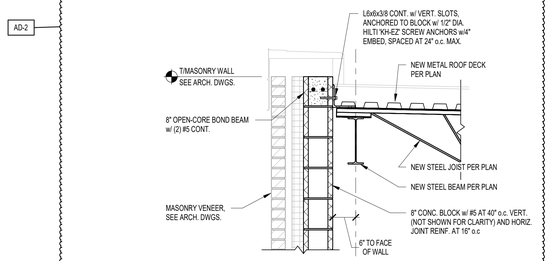


8 FRAMING SECTION
3/4" = 1'-0"

AD-2



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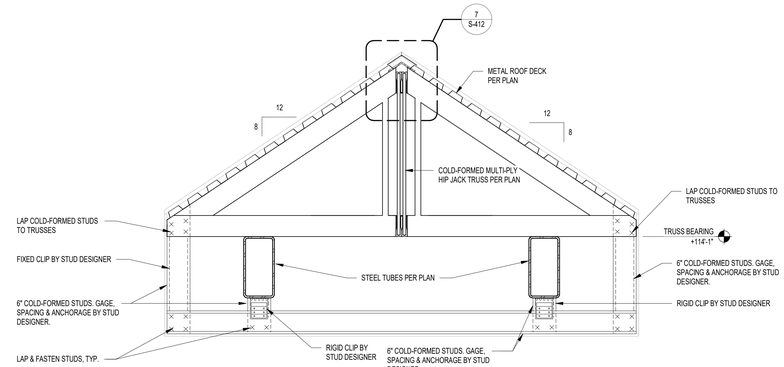
3/4" = 1'-0"



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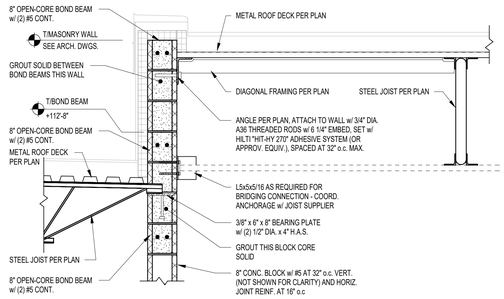
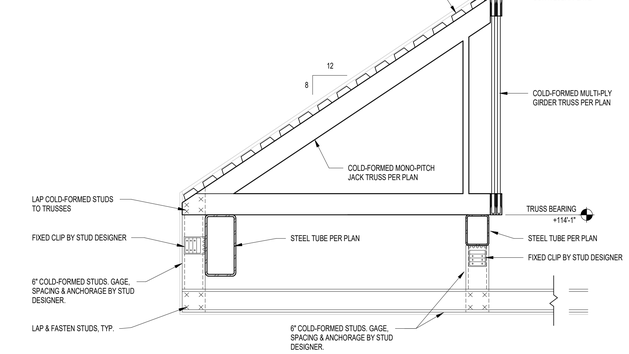
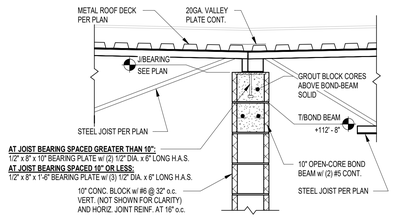


6 FRAMING SECTION
3/4" = 1'-0"



2 FRAMING SECTION
3/4" = 1'-0"



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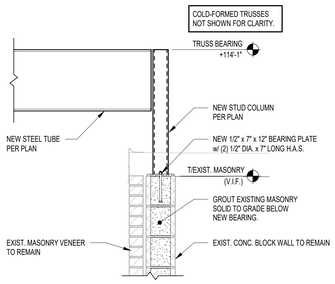
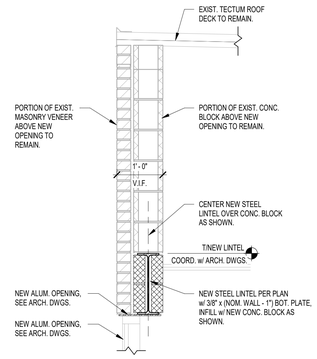
3/4" = 1'-0"



4 FRAMING SECTION
3/4" = 1'-0"



1 FRAMING SECTION
3/4" = 1'-0"

AD-1 NEW SHEET ADDED TO THE CONSTRUCTION DOCUMENTS IN THIS ADDENDUM

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GIBRALTAR DESIGN
ARCHITECTURE - ENGINEERING - INTERIOR DESIGN
Lynch, Harrison & Brumleve, Inc.

PROJECT:

VALE ADDITION AND RENOVATION

VALPARAISO COMMUNITY SCHOOLS

653 HAYES LEONARD RD
VALPARAISO, IN 46385

100% CD SET

GIBRALTAR DESIGN
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PROJECT
25-113
DATE
09/04/25
COORDINATED BY
NHF
DRAWN BY
NHF
CHECKED BY
SAC

SCOTT A. CLORE REGISTERED PE10606154 STATE OF INDIANA PROFESSIONAL ENGINEER

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REVISIONS

MARK	DATE	ISSUED FOR
AD-1	09.11.2025	ADDENDUM 1
AD-2	09.18.2025	ADDENDUM 2

DRAWING
STRUCTURAL FRAMING SECTIONS

PROJECT
VALE ADDITION AND RENOVATION

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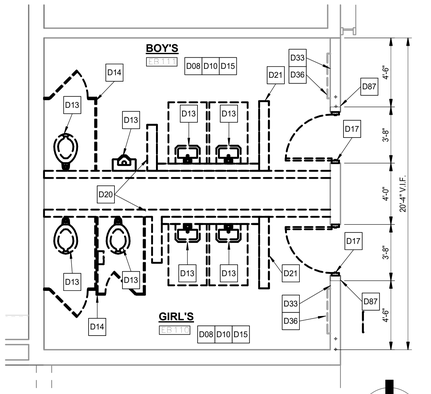
SHEET
S-413



2 AD102 **ALTERNATE EB110 AND EB111 DEMOLITION PLAN**

1/4" = 1'-0"

NORTH

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. ON WALLS THAT ARE TO RECEIVE NEW FINISHES, REMOVE AND REINSTALL EXISTING EQUIPMENT TO REMAIN AS REQUIRED FOR INSTALLATION OF NEW FINISHES.

N. WHERE WALLS OR BULKHEADS ARE REMOVED, PATCH FLOORS, CEILINGS, AND ADJACENT WALLS AS REQUIRED TO MATCH EXISTING OR RECEIVE NEW FINISHES WHERE APPLICABLE. WHERE EXISTING DUCTWORK, PIPING, OR EQUIPMENT IS REMOVED, PATCH OPENINGS AND/OR SURFACES AS REQUIRED TO MATCH ADJACENT SURFACES OR RECEIVE NEW FINISHES WHERE APPLICABLE. REFER TO ALL DEMOLITION DRAWINGS FOR EXTENT OF ITEMS TO REMOVED.

O. OVER CUT NEW OPENINGS IN EXISTING WALL AS REQUIRED FOR NEW CONSTRUCTION. PATCH AND REPAIR WALLS AS REQUIRED TO MATCH EXISTING. WHERE APPLICABLE, TOOTH NEW MASONRY INTO EXISTING MASONRY.

P. ALL EQUIPMENT AND FURNITURE WHICH ARE CONSIDERED LOOSE FURNISHING SHALL BE REMOVED BY THE OWNER PRIOR TO DEMOLITION.

Q. MASONRY WALLS TO BE REMOVED SHALL BE REMOVED TO A POINT 2" MINIMUM BELOW THE EXISTING FLOOR SLAB UNLESS SETTING ON A SLAB OR SPECIFICALLY NOTED OTHERWISE. PATCH WITH NEW CONCRETE TO BE FLUSH WITH THE EXISTING FLOOR SLAB.

R. EACH CONTRACTOR SHALL BE RESPONSIBLE FOR GENERAL REVIEW OF DEMOLITION NOTES AND GENERAL DEMOLITION NOTES AS THEY APPLY TO THEIR SCOPE OF WORK.

S. THE OWNER SHALL RESERVE THE RIGHT TO CLAIM ANY MATERIALS THAT ARE BEING DEMOLISHED PRIOR TO THE CONTRACTOR DISPOSING OF THEM OFF SITE.

T. REFER TO THE STRUCTURAL, MECHANICAL, PLUMBING, ELECTRICAL AND TECHNOLOGY DOCUMENTS FOR COMPLETE SCOPE OF DEMOLITION WORK.

U. "FLOORING" DENOTES FLOOR COVERING MATERIALS INCLUDING BACKING, ADHESIVES, AND BASES DOWN TO BUT EXCLUSIVE OF FLOOR SLABS AND STRUCTURAL MATERIALS UNLESS NOTED OTHERWISE.

V. DEMOLITION IS TO FOLLOW ESTABLISHED CONSTRUCTION SEQUENCE. REFER TO SPECIFICATIONS AND DRAWINGS FOR REQUIREMENTS AND SPECIAL CONDITIONS.

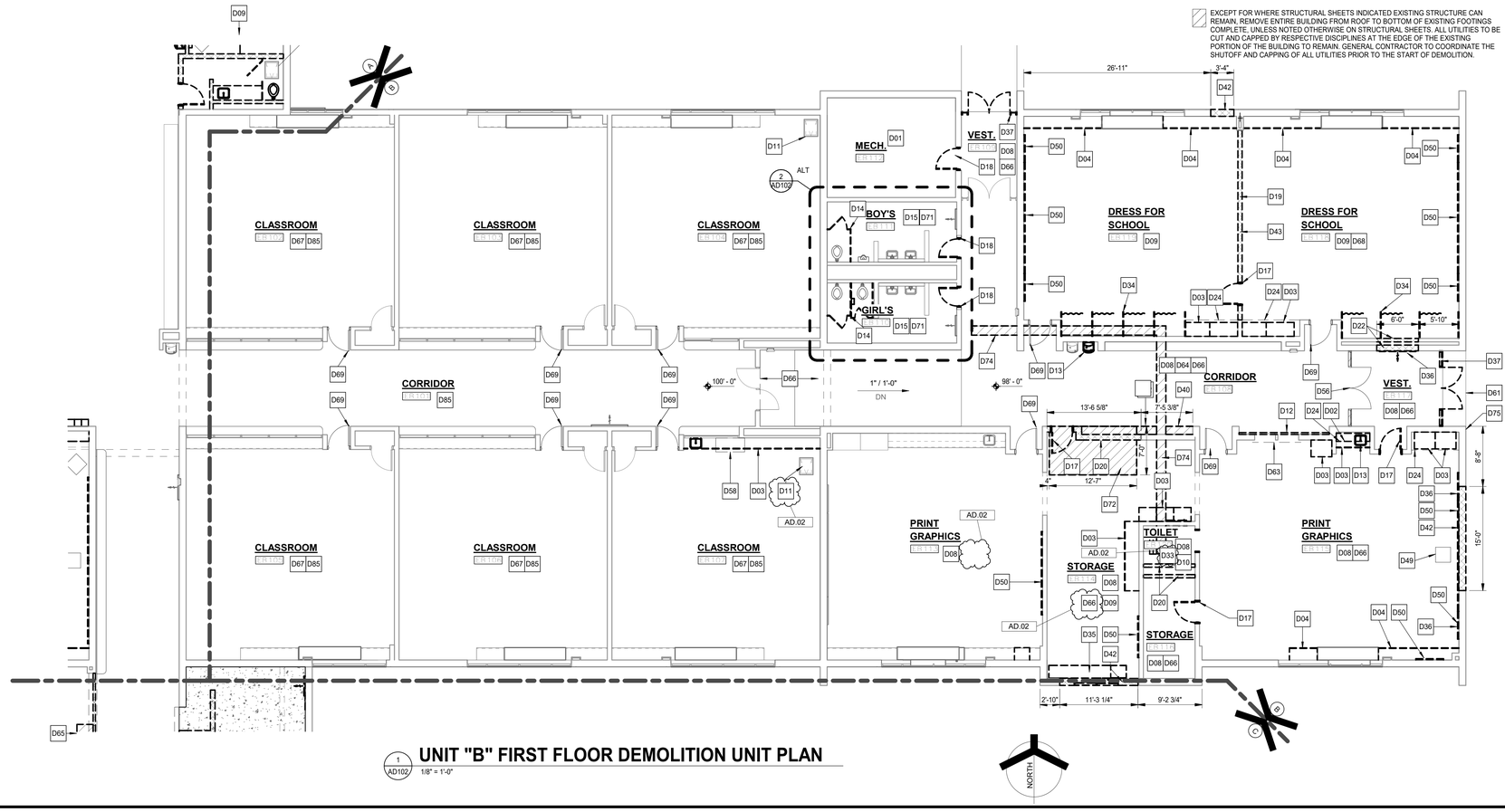
W. WHERE APPLICABLE SALVAGE EXISTING MASONRY (FACE BRICK, GLAZED CMU, FACING TILE) AS REQUIRED FOR PATCHING AND INFILL IN RENOVATED AREAS WHERE INDICATED. DISCARD UNUSED PORTION OFF SITE.

DEMOLITION LEGEND

EXCEPT FOR WHERE STRUCTURAL SHEETS INDICATED EXISTING STRUCTURE CAN REMAIN, REMOVE ENTIRE BUILDING FROM ROOF TO BOTTOM OF EXISTING FOOTINGS COMPLETE, UNLESS NOTED OTHERWISE ON STRUCTURAL SHEETS. ALL UTILITIES TO BE CUT AND CAPPED BY RESPECTIVE DISCIPLINES AT THE EDGE OF THE EXISTING PORTION OF THE BUILDING TO REMAIN. GENERAL CONTRACTOR TO COORDINATE THE SHUTOFF AND CAPPING OF ALL UTILITIES PRIOR TO THE START OF DEMOLITION.

DEMOLITION PLAN KEYNOTES

D01 NO ARCHITECTURAL WORK IN THIS ROOM. PROTECT FROM ADJACENT AREAS.
D02 REMOVE SHELVING IN ITS ENTIRETY, INCLUDING ANY SUPPORT BRACKETS AND WALL MOUNTS COMPLETE. PATCH AND REPAIR WALL TO RECEIVE NEW FINISHES.
D03 REMOVE CASEWORK IN ITS ENTIRETY. PATCH AND REPAIR WALL AND FLOOR TO RECEIVE NEW FINISHES.
D04 REMOVE EXISTING METAL SHELVING IN ITS ENTIRETY. PATCH AND REPAIR ADJACENT WALLS, FLOOR, AND ADJACENT UNIT VENTILATORS TO RECEIVE NEW FINISHES.
D05 REMOVE EXISTING WOOD WALL CUBBIES AND WOOD PANEL ATTACHED TO WALL. PATCH WALLS TO MATCH ADJACENT SURFACES.
D06 CAREFULLY REMOVE EXISTING METAL LOCKERS AND RELOCATE PER EQUIPMENT SHEETS. PATCH WALLS TO MATCH ADJACENT SURFACES.
D07 REMOVE EXISTING MILLWORK DECK IN ITS ENTIRETY. PATCH AND REPAIR ADJACENT WALLS AND FLOOR TO RECEIVE NEW FINISHES.
D08 REMOVE ACOUSTICAL BOARD CEILING SYSTEM IN ITS ENTIRETY.
D09 REMOVE VCT/SHEET VINYL/CARPET FLOORING AND BASE SYSTEM IN ITS ENTIRETY. PREPARE FLOOR FOR NEW FINISHES.
D10 REMOVE CERAMIC/QUARRY TILE FLOORING SYSTEM IN ITS ENTIRETY INCLUDING SETTING BED AND WALL BASE. PREPARE FLOOR FOR NEW FINISHES.
D11 EXISTING FLOOR HATCH TO REMAIN. REMOVE FLOOR FINISH OVER HATCH AND PREPARE FOR NEW FINISH.
D12 REMOVE GYPSUM WALL TO CMU WALL BENEATH. PATCH AND REPAIR WALL TO RECEIVE NEW FINISHES.
D13 REMOVE PLUMBING FIXTURE IN ITS ENTIRETY. CUT AND CAP LINE BELOW WALL OR FLOOR SURFACE. UNLESS OTHERWISE NOTED ON PLUMBING DRAWINGS PATCH AND REPAIR FLOOR AND/OR WALL TO ACCEPT NEW FINISHES.
D14 REMOVE TOILET PARTITIONS IN THEIR ENTIRETY. PATCH WALLS TO MATCH ADJACENT SURFACES.
D15 REMOVE ALL TOILET ACCESSORIES AND TURN OVER TO THE OWNER.
D16 EXISTING STEEL COLUMN TO REMAIN. PREPARE TO RECEIVE NEW FINISHES.
D17 REMOVE EXISTING DOOR AND FRAME IN ITS ENTIRETY.
D18 REMOVE EXISTING DOOR LEAF AND HARDWARE ONLY. WOOD / HOLLOW METAL FRAME TO REMAIN. PREPARE FOR NEW DOOR.
D19 REMOVE METAL STUD AND PLASTER/GYPSUM BOARD WALL IN ITS ENTIRETY. PATCH AND REPAIR ADJACENT WALLS AND FLOOR TO RECEIVE NEW FINISHES.
D20 REMOVE MASONRY WALL IN ITS ENTIRETY. PATCH AND REPAIR ADJACENT WALLS AND FLOOR TO RECEIVE NEW FINISHES. SALVAGE EXISTING FACE BRICK FOR NEW WALLS.
D21 REMOVE EXISTING PARTIAL HEIGHT MASONRY WALL IN ITS ENTIRETY.
D22 REMOVE EXISTING MASONRY WALL FROM FLOOR TO STRUCTURE ABOVE FOR NEW DOOR OPENING. REFER TO STRUCTURAL FOR NEW LINTEL. PATCH AND REPAIR FLOOR AND ADJACENT WALLS FOR NEW FINISHES. SALVAGE EXISTING FACE BRICK.
D23 REMOVE EXISTING ABOVE-HEAD MASONRY WALL AND SUPPORT ANGLES AS SHOWN. TEMPORARILY SUPPORT ANY LENGTH SHOWN TO REMAIN (SUPPORT ON NEW WALLS) PATCH AND REPAIR ADJACENT WALLS FOR NEW FINISHES.
D24 REMOVE EXISTING METAL STUD AND PLASTER/GYPSUM BOARD BULKHEAD IN ITS ENTIRETY. PATCH AND REPAIR WALLS TO RECEIVE NEW FINISHES.
D25 REMOVE EXISTING STOOP.
D26 REMOVE EXTERIOR MASONRY WALL AND FOUNDATIONS IN THEIR ENTIRETY.
D27 REMOVE EXISTING CONCRETE STEPS IN THEIR ENTIRETY, INCLUDING FOOTINGS AND FOUNDATIONS, RAILING, CONCRETE SLAB BACK TO EXISTING DOOR, AND EXISTING BRICK WALL BELOW STAIRS. PREPARE FOR NEW STAIRS AND RAMP.
D28 REMOVE EXISTING ROOF CONSTRUCTION, FASCIA, SOFFIT COMPLETE TO ACCOMMODATE NEW BUILDING CONSTRUCTION. CAREFULLY REMOVE STRUCTURE FROM MAIN BUILDING STRUCTURE. REFER TO FLOOR PLAN, ROOF PLAN, ROOF DETAILS, SECTIONS AND DETAILS FOR ADDITIONAL INFORMATION. SALVAGE METAL FASCIA AND COPING FOR REUSE ON NEW CONSTRUCTION.
D29 REMOVE EXISTING CONCRETE SLAB AND TURN DOWN SLAB COMPLETE TO ACCOMMODATE NEW CONSTRUCTION. REFER TO CIVIL AND STRUCTURAL SHEETS.
D30 REMOVE EXISTING SHED COMPLETE.
D31 RECONFIGURE EXISTING DOWNSPOUT TO DRAIN ON NEW ROOF.
D32 REMOVE COILING DOOR AND COUNTER. REMOVE CIRCUIT BACK TO PANEL.
D33 REMOVE EXISTING CERAMIC TILE FROM WALLS TO REMAIN.
D34 EXISTING CHANGING STALLS. CAREFULLY REMOVE AND SET ASIDE FOR REINSTALL IN NEW LOCATION. PATCH ADJACENT WALLS TO RECEIVE NEW FINISHES.
D35 REMOVE EXISTING UNIT HEATER IN ITS ENTIRETY, INCLUDING PIPING SHROUD. PATCH WALL TO MATCH EXISTING. REFER TO MECHANICAL FOR FURTHER INFORMATION.
D36 REMOVE EXISTING CABINET HEATER. PATCH WALL TO BLEND WITH ADJACENT SURFACES. REFER TO MECHANICAL.
D37 REMOVE EXISTING STOREFRONT/WINDOW SYSTEM IN ITS ENTIRETY TO STRUCTURE ABOVE. PATCH AND REPAIR ADJACENT WALLS AND FLOOR FOR NEW CONSTRUCTION.
D38 REMOVE VCT/SHEET VINYL/CARPET FLOORING SYSTEM IN ITS ENTIRETY. EXISTING BASE TO REMAIN. PREPARE FLOOR FOR NEW FINISHES.
D39 REMOVE EXISTING CEILING MOUNTED MECHANICAL UNIT. REFER TO MECHANICAL.
D40 REMOVE EXISTING CONCRETE LOCKER CURB / HOUSEKEEPING PAD IN ITS ENTIRETY. PATCH AND REPAIR ADJACENT FLOOR AND WALLS FOR NEW FLOOR FINISH.
D41 REMOVE EXISTING HARD BOARD CEILING IN ITS ENTIRETY. PREPARE WALLS FOR NEW CEILING.
D42 REMOVE EXTERIOR WALL CONSTRUCTION FROM 8" BELOW NEW OPENING TO TOP NEW LINTEL OVER HEAD OF NEW OPENING. DIMENSION SHOWN IS TO FINAL M.O. REMOVE ADDITIONAL MASONRY FOR TOOTHING IN AT JAMBS. SALVAGE EXISTING FACE BRICK.
D43 REMOVE EXISTING FOLDING PARTITION TRACK AND MOUNTING SYSTEM ABOVE FINISH CEILING. STRUCTURE TO REMAIN.
D44 HATCHED PATTERN INDICATES AREA TO REMOVE EXISTING TERRAZZO FLOOR SYSTEM INCLUDING SETTING BED AND CONCRETE SLAB IN ITS ENTIRETY. ONLY REMOVE EXISTING SLAB TO EDGE OF TUNNEL WALL. PREPARE FOR NEW SLAB INFILL.
D45 DASHED LINE INDICATES APPROXIMATE LOCATION OF TUNNEL FOUNDATION WALL. FIELD VERIFY.
D46 REMOVE EXISTING CANOPY SYSTEM INCLUDING FRAMING SYSTEM, ROOF, SOFFIT, AND FOUNDATIONS IN ITS ENTIRETY. REFER TO STRUCTURAL AND CIVIL DRAWINGS.
D47 REMOVE VENTED VINYL SOFFIT SYSTEM TO EXISTING STOREFRONT FRAME. PREPARE FOR NEW SOFFIT.
D48 REMOVE SEMI-RECESSED CAFETERIA TABLES FROM EXISTING WALL. PREPARE RECESS FOR NEW INFILL.
D49 REMOVE EXISTING WALL MOUNTED TV AND SHORT THROW PROJECTOR IN ITS ENTIRETY. PATCH AND REPAIR WALLS TO RECEIVE NEW FINISHES.
D50 REMOVE EXISTING CHALKBOARD/MARKERBOARD/TACKBOARD IN ITS ENTIRETY. PATCH AND REPAIR WALLS TO RECEIVE NEW FINISHES.
D51 REMOVE EXISTING WALL MOUNTED DISPLAY CASE. PATCH AND REPAIR WALL TO RECEIVE NEW FINISHES.
D52 REMOVE EIGHT (8) WALL MOUNTED PLAQUE/PUCKS. PATCH AND REPAIR WALL TO RECEIVE NEW FINISHES.
D53 REMOVE EXISTING DWYER KITCHENETTE UNIT. TURN OVER TO OWNER.
D54 EXISTING SKYLIGHT TO REMAIN.
D55 CAREFULLY REMOVE EXISTING TERRAZZO BASE FOR NEW WOOD DOOR AND METAL DOOR FRAME.
D56 REMOVE EXISTING HARDWARE. PREPARE DOOR AND FRAME FOR NEW HARDWARE.
D57 BUSH HAMMER DOWN EXISTING TERRAZZO AT THIS LOCATION TO RECEIVE NEW FLOOR TRANSITION. REFER TO FINISH PLANS.
D58 EXISTING DOG WASHING STATION. CAREFULLY REMOVE AND SET ASIDE FOR RELOCATION. REFER TO EQUIPMENT PLANS.
D59 REMOVE FABRIC WALL COVERING IN ITS ENTIRETY. SKIMCOAT WALLS COMPLETE TO RECEIVE NEW FINISHES.
D60 REMOVE EXISTING CONCRETE WALK. REFER TO CIVIL SHEETS TO DETERMINE EXTENTS OF REMOVAL.
D61 EXISTING STOOP TO REMAIN.
D62 REMOVE EXISTING WOOD PANEL PARTITION AND WINDOWS FROM TOP OF TERRAZZO CURB TO BOTTOM OF EXISTING BULKHEAD. PREPARE FOR NEW WALL INSTALLATION.
D63 REMOVE WALL MOUNTED CURTAIN ROD AND CURTAIN. PATCH WALL TO RECEIVE NEW FINISHES.
D64 REMOVE EXISTING CEILING AS REQUIRED IN THIS AREA FOR PLUMBING AND HVAC MODIFICATIONS. REPLACE TO ORIGINAL CONFIGURATION AFTER PLUMBING AND HVAC WORK IS COMPLETED. REPLACE ANY DAMAGED TILES WITH LIKE KIND AND REPAIR ANY DAMAGED TO EXISTING WALL FINISHES TO MATCH EXISTING WALL FINISHES. COORDINATE WITH PLUMBING AND MECHANICAL DRAWINGS FOR ANY ADDITIONAL AREAS OF PLUMBING AND HVAC MODIFICATIONS.
D65 CUT EXISTING SLAB FOR NEW COLUMN FOOTING. COORDINATE SIZE AND LOCATION WITH STRUCTURAL DRAWINGS.
D66 EXISTING FLOOR SYSTEM REMOVED BY OWNER. PREPARE FLOOR SLAB FOR NEW FLOOR FINISHES.
D67 REMOVE EXISTING CARPET AND WALL BASE IN ITS ENTIRETY. EXISTING LVT FLOOR BENEATH TO REMAIN. PREPARE FOR NEW CARPET.
D68 REMOVE EXISTING CEILING TILES AND GRID IN THIS ROOM, SET ASIDE FOR REINSTALL.
D69 EXISTING DOOR AND FRAME TO REMAIN. REMOVE EXISTING DOOR LATCH HARDWARE. PREPARE DOOR FOR NEW DOOR LATCH HARDWARE.
D70 REMOVE EXISTING MAILBOX AND BASE CABINETS, SET ASIDE FOR REINSTALL. REFER TO EQUIPMENT PLANS FOR NEW LOCATION.
D71 REMOVE EXISTING PLUMBING VALVES AND TRIM. REMOVE CEILING PADS.
D72 REMOVE EXISTING SLAB.
D73 REMOVE EXISTING WOOD CHAIR RAIL IN ITS ENTIRETY.
D74 SAWCUT AND REMOVE PORTION OF CONCRETE SLAB FOR UTILITIES. REFER TO PLUMBING DRAWINGS FOR EXACT LOCATIONS.
D75 REMOVE AND SALVAGE BUILDING DOOR NUMBER SIGNAGE.
D85 ALTERNATE: REMOVE ACOUSTICAL BOARD CEILING SYSTEM IN ITS ENTIRETY.
D86 ALTERNATE: REMOVE AND REINSTALL SUSPENDED ACOUSTIC CEILING AS REQUIRED FOR NEW PLUMBING WORK ABOVE.
D87 ALTERNATE: REMOVE EXISTING DOOR AND FRAME IN ITS ENTIRETY. WIDEN MASONRY DOOR OPENING FOR NEW FRAME 3'-4" WIDE. PATCH AND REPAIR ADJACENT SURFACES FOR NEW FINISHES.



1 AD102 **UNIT "B" FIRST FLOOR DEMOLITION UNIT PLAN**

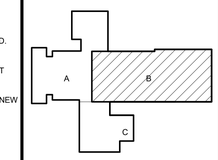
1/8" = 1'-0"

GIBRALTAR DESIGN
ARCHITECTURE - ENGINEERING - INTERIOR DESIGN

PROJECT:

VALE ADDITION AND RENOVATION

VALPARAISO COMMUNITY SCHOOLS
653 HAYES LEONARD RD
VALPARAISO, IN 46385



KEY PLAN

NORTH

100% CD SET

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PROJECT
25-113
DATE
09/04/25
COORDINATED BY
EJM
DRAWN BY
CND
CHECKED BY
JPB

JOSEPH P. BRIGGS REGISTERED NO. 11600109 STATE OF INDIANA ARCHITECT

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REVISIONS

MARK	DATE	ISSUED FOR
AD.02	09/18/25	ADDENDUM 2

DRAWING
UNIT "B" ARCHITECTURAL FIRST FLOOR DEMOLITION PLAN

PROJECT
VALE ADDITION AND RENOVATION

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SHEET
B AD102

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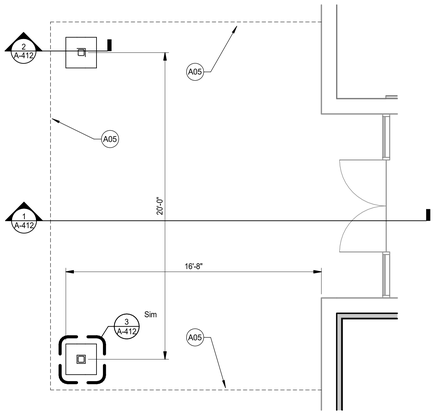
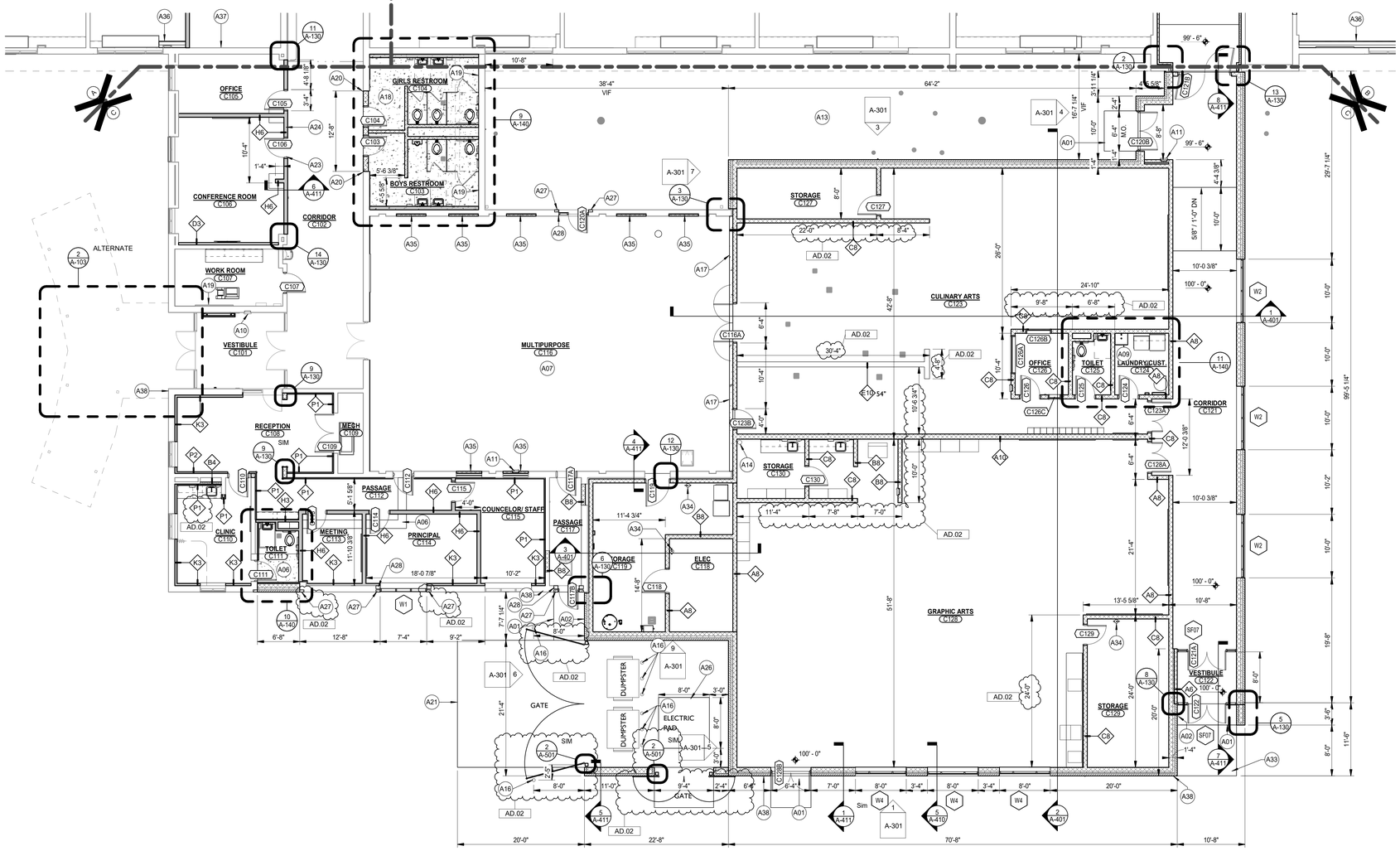


2 UNIT "C" FIRST FLOOR PLAN - ALTERNATE
2 / A-103 — 1/4" = 1'-0"



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

NORTH

GENERAL PLAN NOTES:

A. FOR GENERAL PROJECT NOTES, MATERIAL INDICATIONS LEGEND, SYMBOL LEGEND, ABBREVIATIONS, ETC., REFER TO G-SERIES SHEETS.

B. 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 THE FACE OF TILE BACKER BOARD.

C. ALL CMU WALLS THAT DO NOT LAY OUT IN FULL OR HALF LENGTHS SHOULD BE BALANCED SO AS NOT TO HAVE ANY PIECES LESS THAN 4" IN SIZE EXPOSED TO VIEW.

D. MASONRY WALLS BEARING ON A THICKENED SLAB AT SLAB DEPRESSIONS REQUIRE CUT MASONRY UNITS SO THAT COURSING BEGINS AT THE FLOOR LINE.

E. THE BASE FIRST FLOOR ELEVATION INDICATED FOR THE PROJECT IS 100'-0". REFER TO SITE PLAN FOR CORRELATION TO USGS DATUM.

F. 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.

G. PROVIDE WOOD BLOCKING (OR METAL STRAPPING WHERE APPLICABLE) WITHIN METAL STUD WALLS FOR WALL MOUNTED ITEMS.

H. REFER TO LIFE SAFETY PLANS REGARDING FIRE RATED WALL LOCATIONS AND OTHER CODE INFORMATION.

I. INTERIOR CMU WALLS ARE TO BE RUNNING BOND UNLESS NOTED OTHERWISE.

J. WHERE NEW CMU WALLS INTERSECT EXISTING CMU WALLS AT A CORNER OR ARE ALIGNED WITH EXISTING CMU WALLS, TOOTH NEW CMU INTO EXISTING CMU UNLESS NOTED OTHERWISE.

K. ALL EXPOSED CONCRETE MASONRY UNITS (CMU) CORNERS ARE TO BE BULLNOSED, EXCEPT AT MASONRY BULKHEADS AND EXTERIOR WINDOW JAMBS.

L. REFER TO DEMOLITION SHEETS FOR ADDITIONAL PATCHING AND REPAIR WORK.

M. REFER TO FINISH PLANS FOR LOCATION AND EXTENT OF FINISHED FLOOR AND WALL MATERIAL.

N. REFER TO EQUIPMENT PLANS FOR ADDITIONAL EQUIPMENT NOTES AND INFORMATION.

O. REFER TO A-140 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

WX — INDICATES WALL TYPES. REFER TO G-302 FOR WALL THICKNESS, HEIGHT, AND COMPOSITION.

ARCHITECTURAL PLAN KEYNOTES

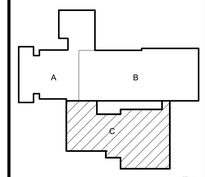
A01 CONCRETE VOID SLAB/WALK. PROVIDE SCORED JOINTS ON SURFACE TO ALIGN WITH CONCRETE SIDEWALK JOINTS. REFER TO STRUCTURAL SHEETS.
A02 CARD READER. REFER TO ELECTRICAL SHEETS.
A03 PUSH PAD FOR ADA OPERATOR. REFER TO ELECTRICAL SHEETS.
A04 AI PHONE LOCATION. REFER TO ELECTRICAL SHEETS.
A05 LINE OF ROOF OVERHANG, REFER TO SECTIONS.
A06 CONCRETE INFILL SLAB.
A07 PATCH FLOOR. SKIMCOAT AS REQUIRED FOR NEW FLOOR FINISHES. REFER TO FINISH SHEETS.
A08 CONCRETE RAMP OVER EXISTING SLAB. REFER TO STRUCTURAL SHEETS.
A09 MOP SINK. REFER TO PLUMBING SHEETS. PROVIDE MOP HOLDER AND STAINLESS STEEL WALL PROTECTION PER SPECIFICATIONS.
A10 EXISTING FIRE EXTINGUISHER AND CABINET TO REMAIN.
A11 FIRE EXTINGUISHER AND CABINET.
A12 NEW CAST IN PLACE CONCRETE STAIR WITH ALUMINUM RAILING.
A13 REFER TO CIVIL SHEETS FOR CONCRETE SURFACE IN COURTYARD.
A14 ROOF CONDUCTOR. REFER TO PLUMBING SHEETS.
A15 NEW CONCRETE PAD WITH 6FT CHAINLINK FENCE SURROUND AND ONE 4'-0" CHAINLINK GATE.
A16 CONCRETE FILLED STEEL PIPE BOLLARDS.
A17 HATCHED AREA, INFILL RECESSED FLOOR SLAB WITH SELF-LEVELING COMPOUND TO FINISH FLOOR ELEVATION FOR NEW FLOOR FINISH.
A18 WHERE EXISTING TERRAZZO AND FLOOR SLAB WAS REMOVED, PROVIDE NEW CONCRETE SLAB, REFER TO STRUCTURAL.
A19 WHERE EXISTING RECESSED CABINET HEATER WAS REMOVED, INFILL WALL RECESS WITH CMU AND PREPARE FOR NEW FINISHES.
A20 ALIGN FINISH FACE OF NEW WALL WITH FINISH FACE OF EXISTING WALL AT THIS LOCATION.
A21 NEW 8" REINFORCED CONCRETE PAD. REFER TO CIVIL SHEETS FOR DETAILS.
A22 DASHED LINE INDICATES BULKHEAD, REFER TO WALL SECTIONS AND REFLECTED CEILING PLANS
A23 NEW DOOR TO BE INSTALLED IN SAME LOCATION AS EXISTING REMOVED DOOR.
A24 INSTALL NEW PARTITION ON EXISTING TERRAZZO CURB AND EXTEND TO BOTTOM OF EXISTING BULKHEAD ABOVE.
A25 SKIM COAT ALL EXISTING WALLS IN THEIR ENTIRETY TO RECEIVE NEW FINISHES.
A26 CONCRETE TURN DOWN SLAB FOR ELECTRICAL TRANSFORMER. REFER TO STRUCTURAL SHEETS.
A27 TOOTH IN SALVAGED BRICK.
A28 NEW BULLNOSE CMU JAMB.
A31 INSTALL WALL TYPE H6 AT HEAD OF HOLLOW METAL FRAME.
A32 THOROUGHLY CLEAN WALL AND FLOOR TILE.
A33 CONCRETE WALK. REFER TO CIVIL SHEETS.
A34 WALL HUNG FIRE EXTINGUISHER. VERIFY FINAL LOCATION.
A35 INFILL OPENING WITH 4" GLAZED FACED CMU.
A36 PROVIDE NEW STUD AND GYPSUM BOARD KNEE WALL AND PLASTIC LAMINATE STOOL. FINISH HEIGHT OF STOOL TO MATCH ADJACENT UNIT VENT, ASSUME 2'-4", FIELD VERIFY. REFER TO EQUIPMENT PLANS FOR STOOL.
A37 LAMINATE 5/8" GYP BOARD OVER BLOCK WALL.
A38 REINSTALL SALVAGED BUILDING DOOR SIGNAGE. REFER TO SHEET G-201 FOR NUMBER.
A39 NEW BUILDING DOOR SIGNAGE. REFER TO SHEET G-201 FOR NUMBER.

GIBRALTAR DESIGN
ARCHITECTURE - ENGINEERING - INTERIOR DESIGN

PROJECT:

VALE ADDITION AND RENOVATION

VALPARAISO COMMUNITY SCHOOLS
653 HAYES LEONARD RD
VALPARAISO, IN 46385



KEY PLAN — NORTH

100% CD SET

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PROJECT 25-113
DATE 09/04/25
COORDINATED BY EJM
DRAWN BY CND
CHECKED BY JPB

JOSEPH P. BRIGGS — REGISTERED — NO. 11600109 — STATE OF INDIANA — ARCHITECT

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REVISIONS

MARK	DATE	ISSUED FOR
AD.02	09/18/25	ADDENDUM 2

DRAWING
UNIT "C" ARCHITECTURAL FIRST FLOOR PLAN

PROJECT
VALE ADDITION AND RENOVATION

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SHEET
C
A-103

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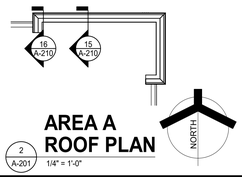
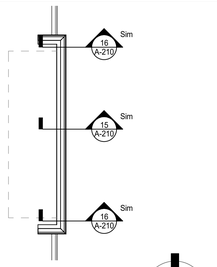


AREA A ROOF PLAN

2 A-201 1/4" = 1'-0"



AREA B ROOF PLAN

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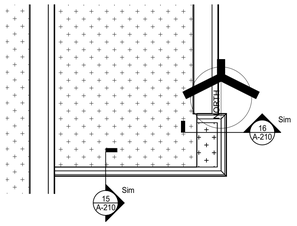
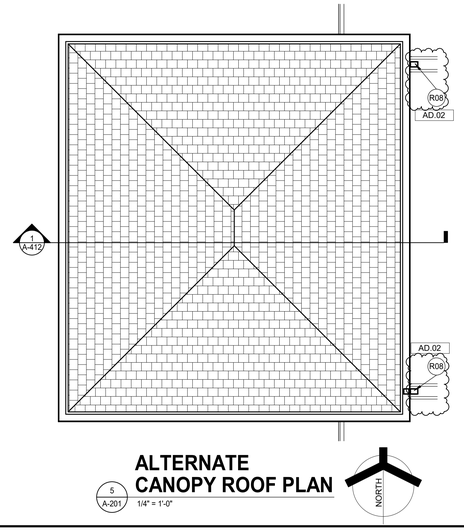


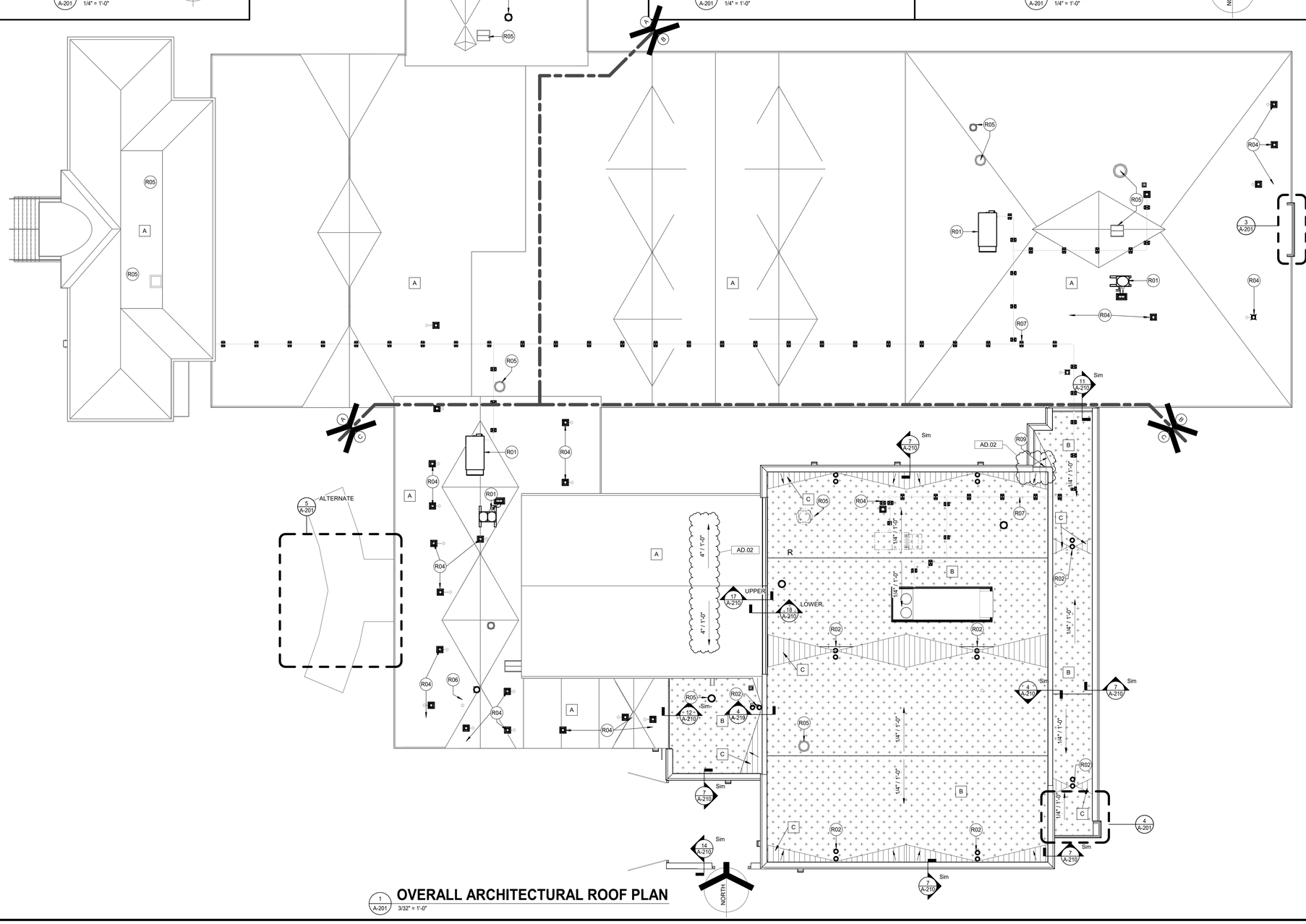
AREA C ROOF PLAN

4 A-201 1/4" = 1'-0"



ALTERNATE CANOPY ROOF PLAN

5 A-201 1/4" = 1'-0"



OVERALL ARCHITECTURAL ROOF PLAN

1 A-201 3/32" = 1'-0"

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 THEIR EXECUTION OF THEIR 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 SYSTEM.

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 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 TO CONFORM TO STATE AND LOCAL CODES.

P. REFER TO ARCHITECTURAL FLOOR PLAN FOR LOCATION OF SECTION CUTS FOR ADDITIONAL INFORMATION.

Q. REMOVE ALL ROOF GRAVEL, RESIDUE, AND ALL PROJECTIONS WHICH WOULD PREVENT THE NEW ROOF INSULATION FROM LAYING FLAT OVER THE ROOF SURFACES.

R. AT ALL NEW ROOF DRAINS AND/OR EXISTING ROOF DRAINS AT AREAS TO BE RE-ROOFED, REMOVE AND CLEAN ROOF DRAIN STRAINERS AND CLAMP RINGS. REINSTALL AFTER NEW ROOF INSULATION AND ROOFING MEMBRANE ARE IN PLACE. ANY BROKEN OR MISSING ROOF DRAIN STRAINER SHALL BE REPLACED WITH A NEW STRAINER.

S. SEE MECHANICAL DRAWINGS FOR LOCATIONS OF ROOF TOP EQUIPMENT TO BE REMOVED.

T. DEMOLITION AND REMOVAL OPERATIONS ARE TO BE PERFORMED CARE- FULLY AND ALL PORTIONS OF THE BUILDING SHALL BE PROTECTED DURING THESE OPERATIONS. ITEMS TO BE REUSED AND REINSTALLED ARE TO BE CAREFULLY REMOVED AND STORED. DAMAGES INCURRED DURING REMOVAL OR STORAGE SHALL BE THE CONTRACTOR'S RESPONSIBILITY.

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 EXTENTS OF NEW MEMBRANE ROOFING
- WALKWAY PADS
- EXHAUST FAN
- PLUMBING VENT

ROOF TYPES:

A. EXISTING ROOF SYSTEM TO REMAIN EXCEPT AS NOTED. PROTECT FROM ADJACENT ROOF WORK.

B. SLOPING METAL DECK 1/4:12; ADHERED SINGLE-PLY MEMBRANE OVER 1/2" COVER BOARD ON 4" RIGID INSULATION. STRUCTURE SLOPES. REFER TO STRUCTURAL DRAWINGS.

C. (HOGBACKS, SADDLES, CRICKETS) ADHERED SINGLE-PLY MEMBRANE ON 1/2" COVER BOARD ON TAPERED INSULATION MINIMUM 1/2":12" SLOPED INSULATION TO PROMOTE POSITIVE DRAINAGE.

D. SHINGLE ROOF SYSTEM OVER ADHERED MEMBRANE OVER TREATED DECKING ON WOOD TRUSSES ON STRUCTURAL STEEL.

ROOF PLAN KEYNOTES

ETR	EXISTING TO REMAIN
R01	ROOF TOP UNIT. REFER TO MECHANICAL SHEETS.
R02	ROOF DRAIN, FLASHING COUNTER FLASHING AND MEMBRANE.
R04	ROOF PORTAL. REFER TO MECHANICAL SHEETS.
R05	EXHAUST FAN. REFER TO MECHANICAL SHEETS.
R06	PLUMBING VENT. REFER TO PLUMBING SHEETS.
R07	GAS LINE. REFER TO MECHANICAL SHEETS.
R08	PREFINISHED ALUMINUM DOWNSPOUT WITH SPLASHBLOCK.
R09	ALUMINUM ROOF LADDER.

AD.02

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PROJECT:

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VALPARAISO COMMUNITY SCHOOLS

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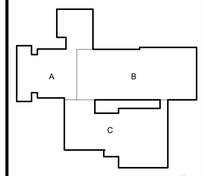
VALPARAISO, IN 46385



KEY PLAN NORTH

100% CD SET

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PROJECT 25-113
DATE 09/04/25
COORDINATED BY EJM
DRAWN BY EJM
CHECKED BY JPB

JOSEPH P. BRIGGS REGISTERED NO. 11600109 STATE OF INDIANA ARCHITECT

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REVISIONS

MARK	DATE	ISSUED FOR
AD.02	09/18/25	ADDENDUM 2

DRAWING
OVERALL ARCHITECTURAL ROOF PLAN

PROJECT
VALE ADDITION AND RENOVATION

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A-201

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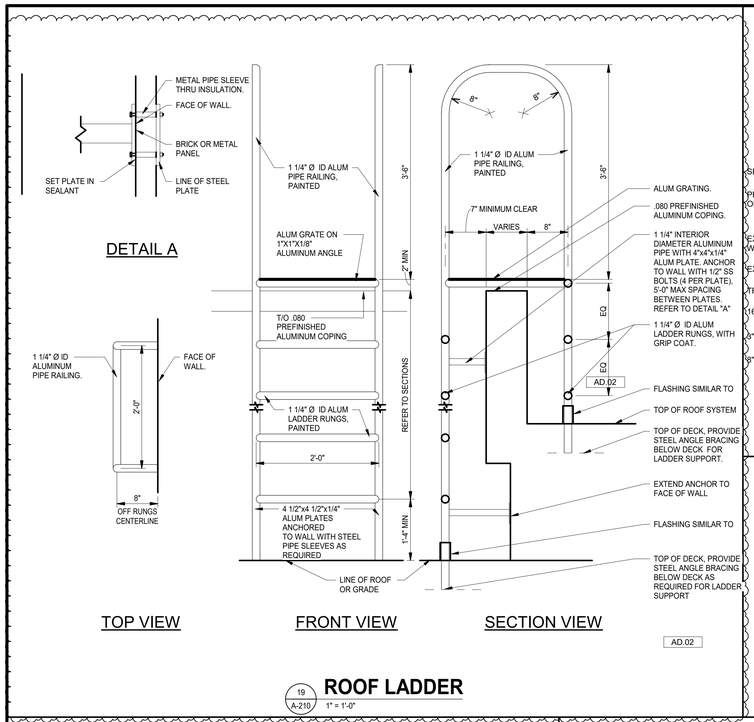
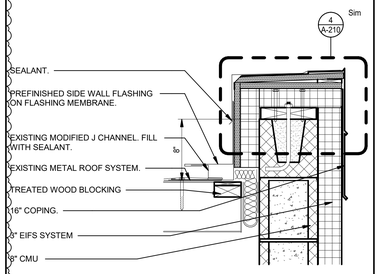
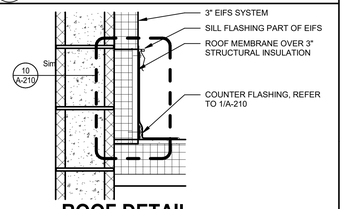


19 A-210 ROOF LADDER
1" = 1'-0"



18 A-210 ROOF DETAIL CULINARY TO MP UPPER
1 1/2" = 1'-0"



17 A-210 ROOF DETAIL CULINARY TO MP LOWER
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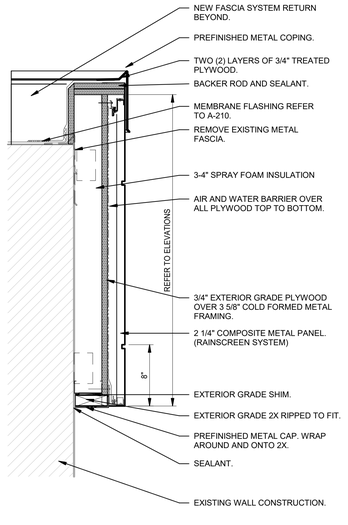
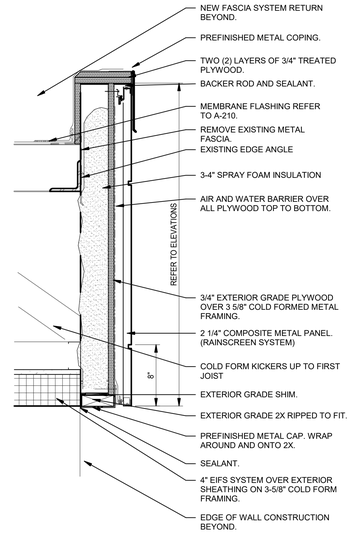


16 A-210 ROOF EDGE DETAIL
1 1/2" = 1'-0"



15 A-210 ROOF EDGE DETAIL
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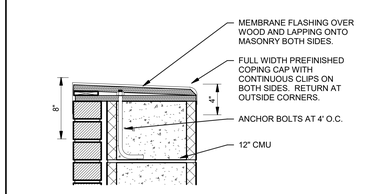
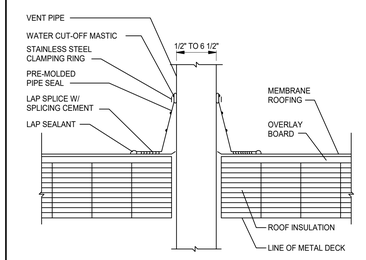


14 A-210 COPING DETAIL AT DUMPSTER SCREEN WALL
1 1/2" = 1'-0"



13 A-210 VENT FLASHING DETAIL
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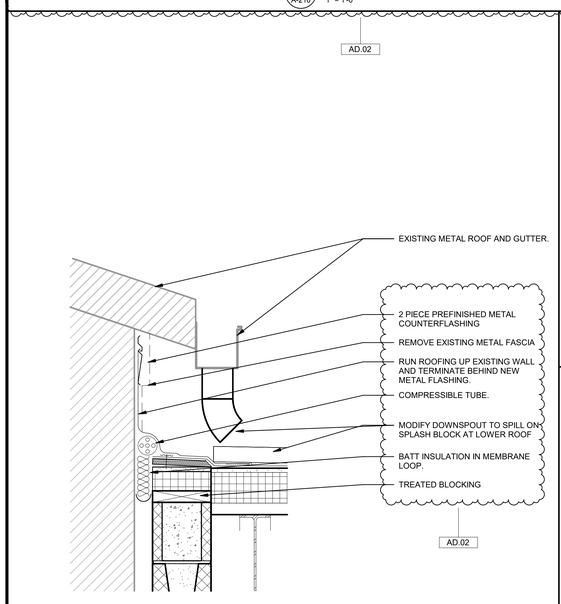

8 A-210 ROOF DETAIL AT MP TO STORAGE
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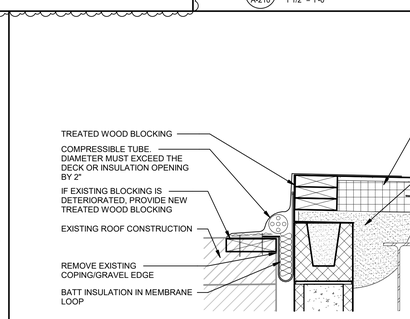

12 A-210 ROOF DETAIL
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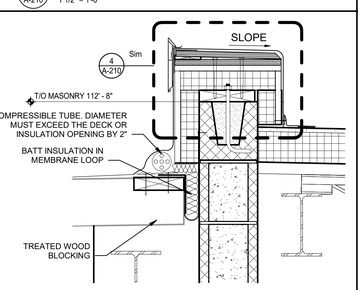

11 A-210 ROOF DETAIL AT EXPANSION B TO C
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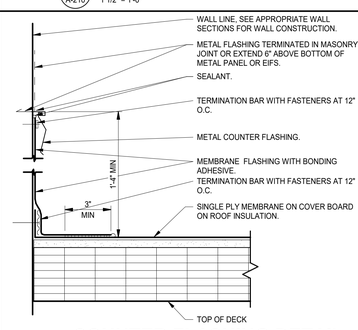

10 A-210 COUNTER FLASHING DETAIL
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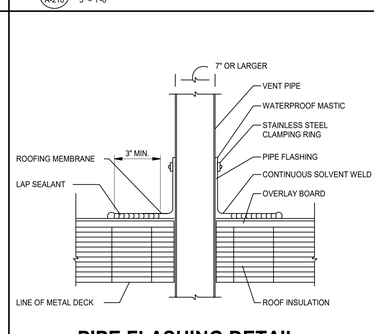

9 A-210 PIPE FLASHING DETAIL
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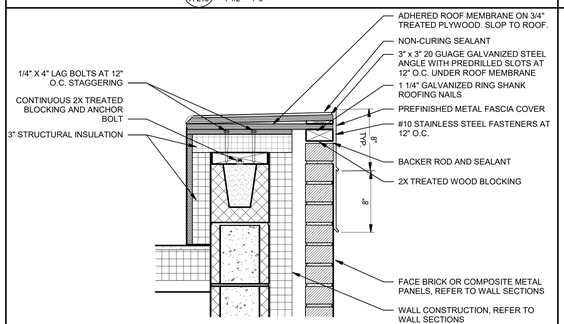
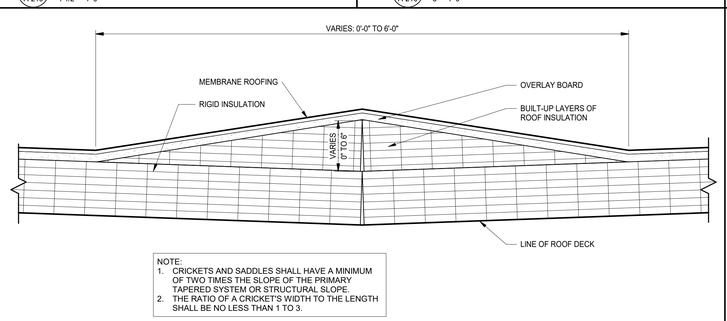
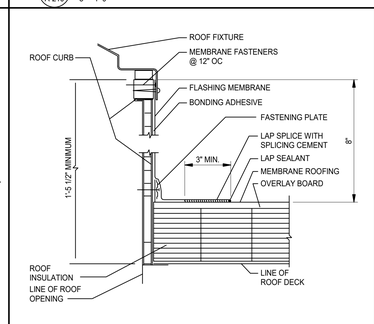


7 A-210 TYPICAL COPING
1 1/2" = 1'-0"



6 A-210 ROOF DRAINAGE SADDLE
3" = 1'-0"



5 A-210 ROOF CURB FLASHING DETAIL
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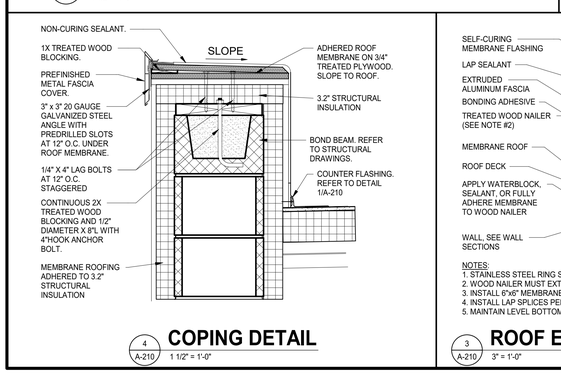

4 A-210 COPING DETAIL
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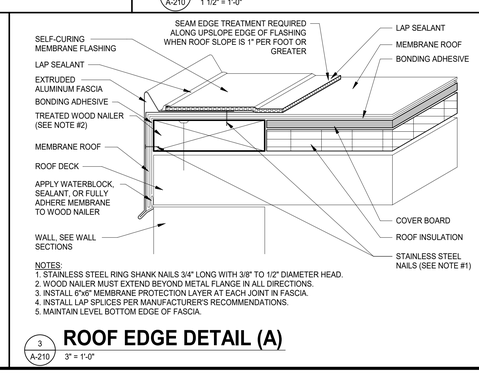
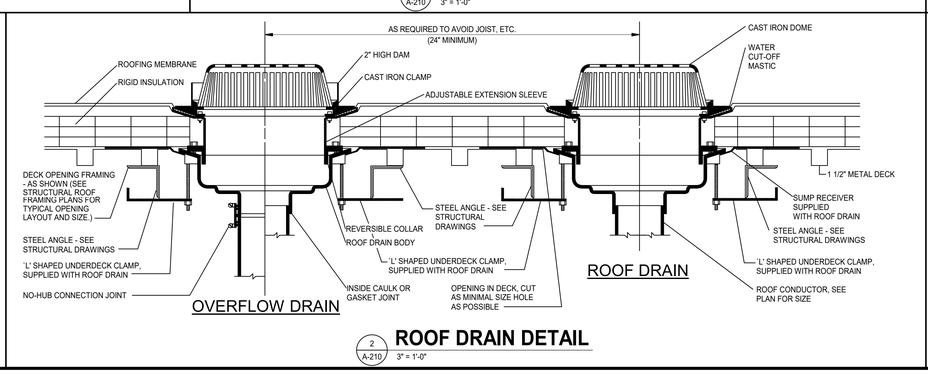


3 A-210 ROOF EDGE DETAIL (A)
3" = 1'-0"



2 A-210 ROOF DRAIN DETAIL
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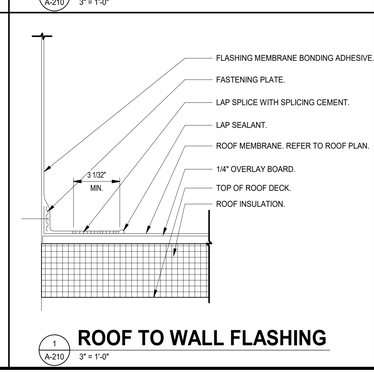

1 A-210 ROOF TO WALL FLASHING
3" = 1'-0"

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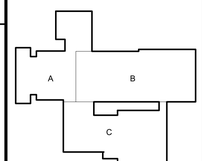
PROJECT:

VALE ADDITION AND RENOVATION

VALPARAISO COMMUNITY SCHOOLS
653 HAYES LEONARD RD
VALPARAISO, IN 46385



KEY PLAN
NORTH

100% CD SET

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

PROJECT
25-113
DATE
09/04/25
COORDINATED BY
EJM
DRAWN BY
EJM
CHECKED BY
JPB

JOSEPH P. PRICE REGISTERED ND. 11600109 STATE OF INDIANA ARCHITECT

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REVISIONS

MARK	DATE	ISSUED FOR
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DRAWING
ROOF DETAILS

PROJECT
VALE ADDITION AND RENOVATION

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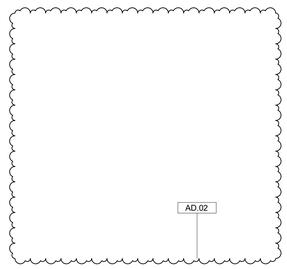
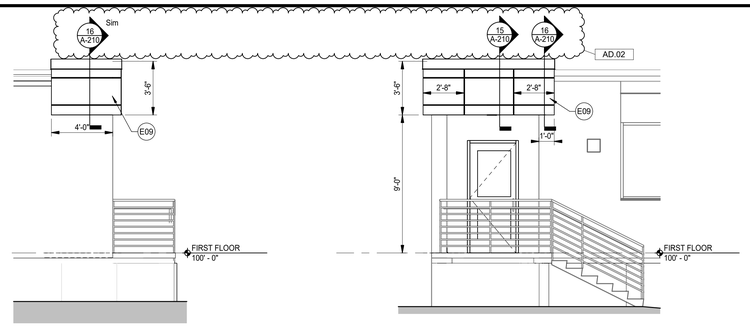
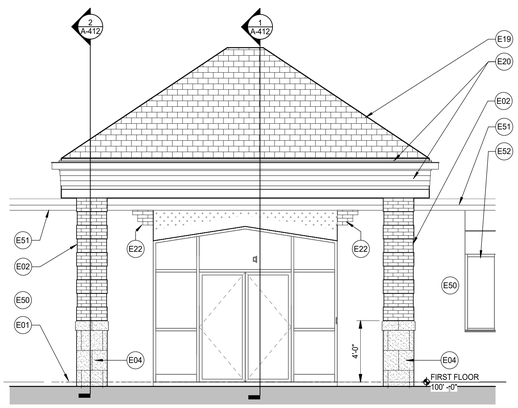


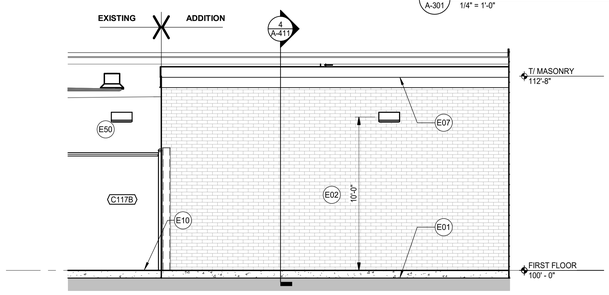


12 A-301 **A120 STAIR EAST ELEVATION**
1/4" = 1'-0"

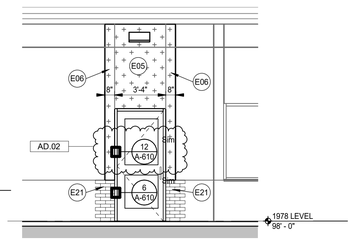
11 A-301 **A120 STAIR NORTH ELEVATION**
1/4" = 1'-0"



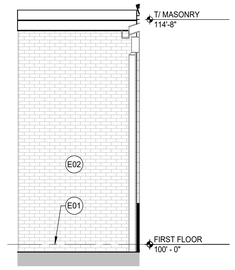
10 A-301 **ALTERNATE CANOPY ELEVATION**
1/4" = 1'-0"



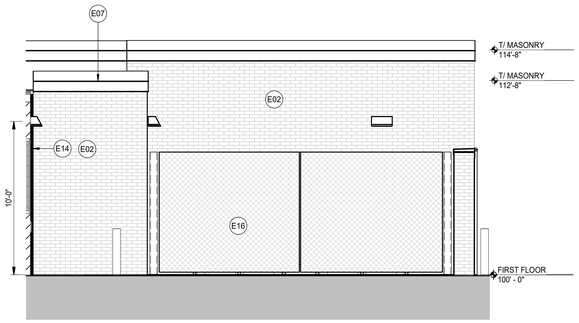
9 A-301 **EXTERIOR ELEVATION**
1/4" = 1'-0"



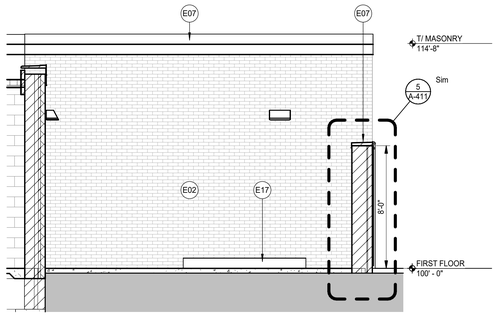
8 A-301 **EXTERIOR ELEVATION**
1/4" = 1'-0"



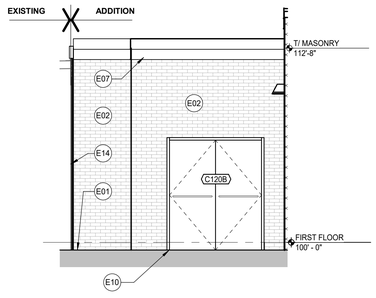
7 A-301 **EXTERIOR ELEVATION**
1/4" = 1'-0"



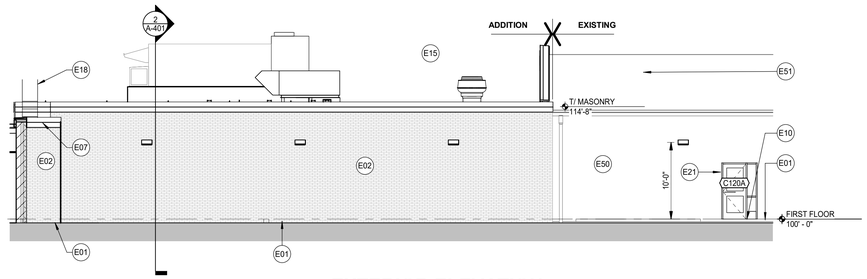
6 A-301 **EXTERIOR ELEVATION**
1/4" = 1'-0"



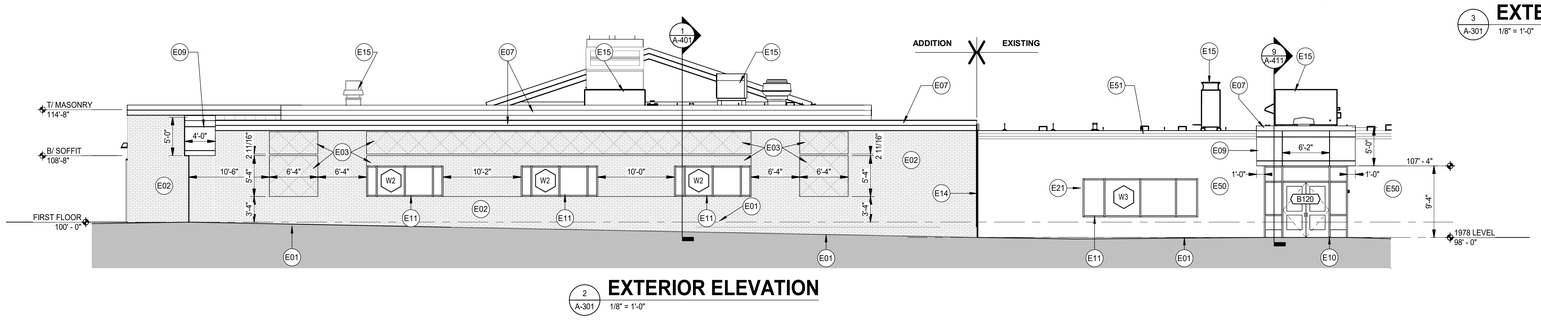
5 A-301 **EXTERIOR ELEVATION**
1/4" = 1'-0"



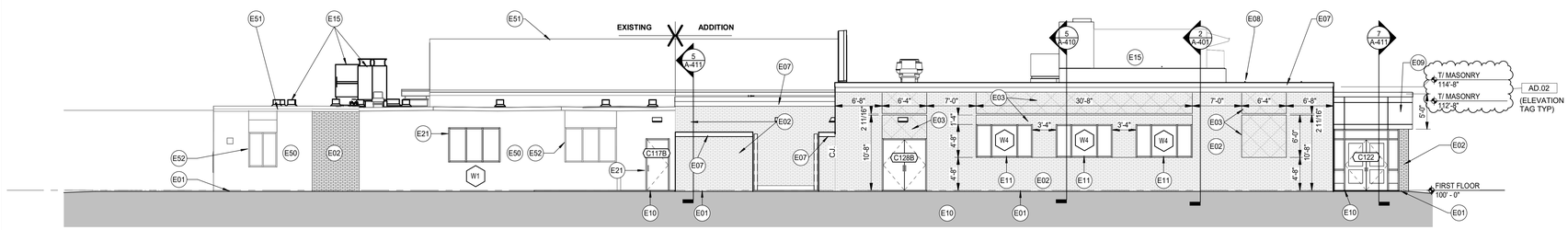
4 A-301 **EXTERIOR ELEVATION**
1/4" = 1'-0"



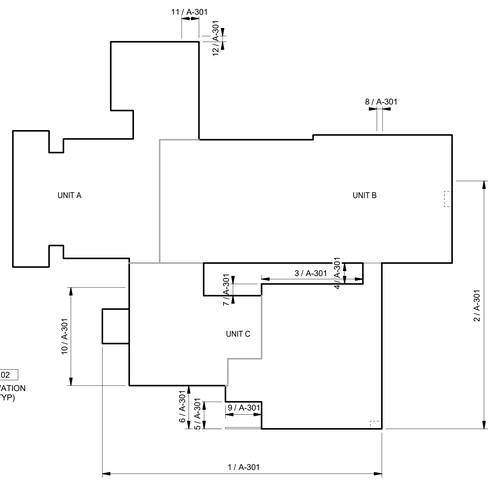
3 A-301 **EXTERIOR ELEVATION**
1/8" = 1'-0"



2 A-301 **EXTERIOR ELEVATION**
1/8" = 1'-0"



1 A-301 **EXTERIOR ELEVATION**
1/8" = 1'-0"



ELEVATION KEYPLAN
NOT TO SCALE

NORTH

GENERAL ELEVATION NOTES:

A. REFER TO STRUCTURAL DRAWINGS FOR FOUNDATION WALLS AND FOOTINGS.

B. REFER TO FLOOR PLANS FOR EXTERIOR WALL SECTIONS CUTS, UNLESS INDICATED OTHERWISE.

C. FOR LOCATION AND MOUNTING HEIGHTS OF CAMERAS, SPEAKERS, LIGHTS, HORNS, ETC. REFER TO ELECTRICAL AND TECHNOLOGY DRAWINGS.

D. ALL NEW FACE BRICK SHALL BE MODULAR RUNNING BOND UNLESS NOTED OTHERWISE.

E. FINISH GRADE INDICATES ON ELEVATIONS ARE FOR DRAWING PURPOSES ONLY. REFER TO CIVIL DRAWINGS FOR ACTUAL GRADES. COORDINATE STEPPED FLASHING WITH ACTUAL GRADES AS REQUIRED FOR CELL VENTS TO BE ABOVE GRADE.

F. STEP BRICK LEDGE DOWN AS REQUIRED FOR LEDGE TO BE BELOW GRADE OR CONCRETE WALK. COORDINATE WITH CIVIL DRAWINGS.

G. (CJ) INDICATES CONTROL JOINT. REFER TO DETAIL 1 AND 2/A-410

H. (EJ) INDICATED BUILDING EXPANSION JOINT. REFER TO DETAIL X/A-XXX

I. ALL VERTICAL CONTROL JOINTS IN EXISTING EXTERIOR BRICK WALL TO REMAIN ARE TO BE REMOVED AND PLACED WITH NEW SEALANT AND BACKER ROD.

J. AT ALL EXISTING WINDOWS TO REMAIN, REMOVE PERIMETER SEALANT AND BACKER ROD AND INSTALL NEW SEALANT AND BACKER ROD.

ELEVATION KEYNOTES

AD.02

E01 APPROXIMATE FINISH GRADE. REFER TO CIVIL DRAWINGS.
E02 FACE BRICK COLOR A - COMMON BRICK BOND, EVERY SIXTH COURSE IS A HEADER BOND, WITH DUTCH CORNERS, MATCHING THE EXISTING BRICK PATTERN.
E03 FACE BRICK COLOR B - COMMON BRICK BOND, EVERY SIXTH COURSE IS A HEADER BOND, WITH DUTCH CORNERS, MATCHING THE EXISTING BRICK PATTERN.
E04 CUT STONE PANEL
E05 EIFS PATCH COLOR A (MATCH EXISTING FIELD EIFS COLOR)
E06 EIFS PATCH COLOR B (MATCH EXISTING WINDOW JAMB ACCENT EIFS COLOR)
E07 METAL COPING. REFER TO ROOF PLANS.
E08 EXTERIOR INSULATED FINISH SYSTEM / EIFS
E09 ARCHITECTURAL COMPOSITE METAL PANELS - COLOR A
E10 ALUMINUM STOREFRONT SYSTEM WITH ALUMINUM DOORS WHERE APPLICABLE. SEE A-601.
E11 ALUMINUM EXTERIOR WINDOW. REFER TO A-601.
E14 2" EXPANSION JOINT.
E15 MECHANICAL UNIT. REFER TO MECHANICAL DRAWINGS.
E16 8'-0" BLACK VINYL COATED CHAIN LINK GATE WITH VERTICAL PRIVACY SLATES. REFER TO 13/A-301
E17 8" REINFORCED CONCRETE PAD. REFER TO STRUCTURAL.
E18 ALUMINUM ROOF LADDER.
E19 SHINGLE ROOF ON MEMBRANE ON 3/4" FIRE TREATED PLYWOOD ON 1" RIGID INSULATION ON 1-1/2" METAL DECK ON COLD FORM FRAMING.
E20 PREFINISHED ALUMINUM GUTTER AND FORMED FASCIA.
E21 TOOTH IN PERIMETER OF NEW MASONRY OPENING IN EXISTING ELEVATION WITH SALVAGED MASONRY.
E22 REMOVE FACE BRICK WHERE EXISTING CANOPY ATTACHED TO EXISTING WALL. TOOTH IN SALVAGED MASONRY FROM THE SOUTH ELEVATION.
E50 EXISTING CONSTRUCTION TO REMAIN.
E51 LINE OF EXISTING ROOF.
E52 EXISTING WINDOWS TO REMAIN.
ETR EXISTING TO REMAIN

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REVISIONS

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DRAWING
EXTERIOR ELEVATIONS

PROJECT
VALE ADDITION AND RENOVATION

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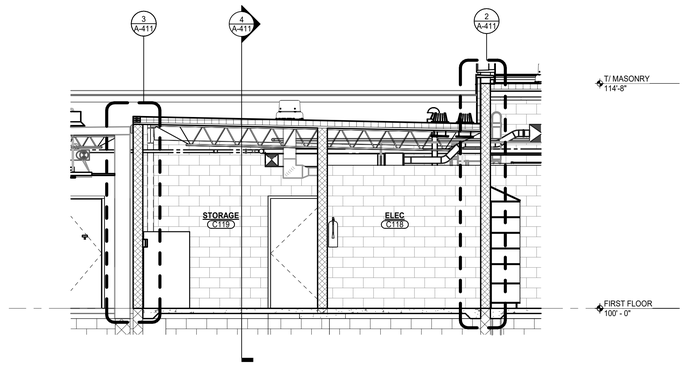


GENERAL NOTES (ALL SECTIONS):
ALL WOOD TO BE EXTERIOR GRADE FIRE TREATED (EXCEPT FOR FREE STANDING ENTRY CANOPIES)

STRUCTURAL INSULATION SYSTEM SHALL BE 3/4" TREATED PLYWOOD AND RIGID INSULATION, AND SHALL HAVE A THICKNESS OF NOT LESS THAN 3.2"

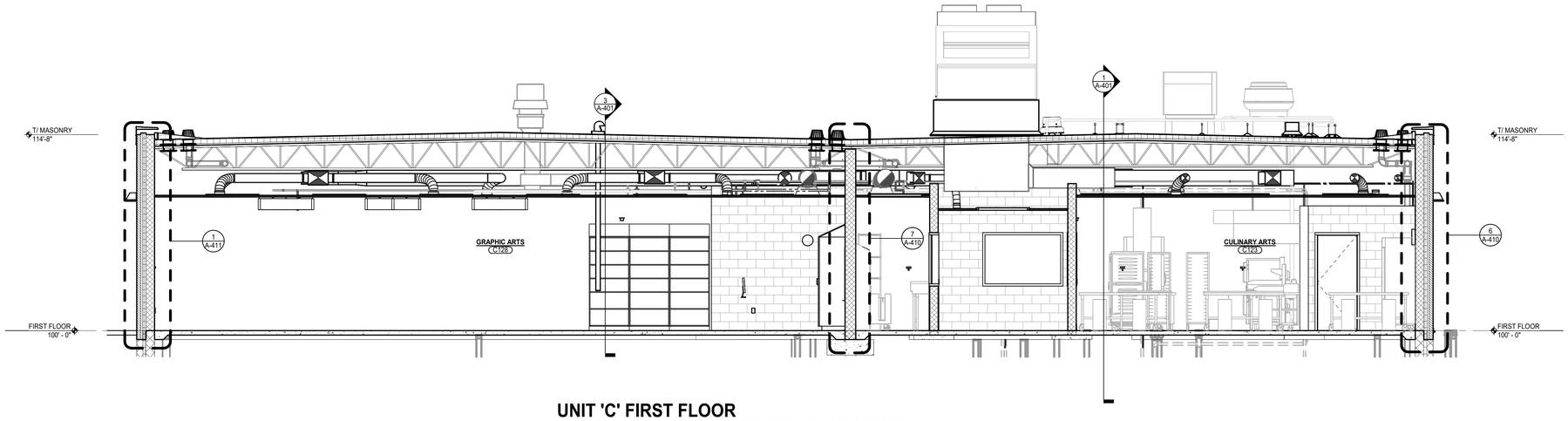
EXTERIOR WALLS CONSISTING OF COLD FORM FRAMING SHALL BE CLIPPED TO THE BEAM ABOVE FOR LATERAL SUPPORT.

EXTERIOR WALLS WITH GYPSUM SHEATHING SHALL BE ATTACHED TO THE COLD FORM FRAMING AT 16" O.C. EACH DIRECTION.

EXTERIOR WALLS OF CEMENTITIOUS SIDING SHALL HAVE ITS 7/8" METAL FURRING STRIPS INSTALLED VERTICALLY AND ALIGN WITH THE COLD FORM FRAMING ON THE OPPOSITE SIDE OF THE 3" RIGID INSULATION.

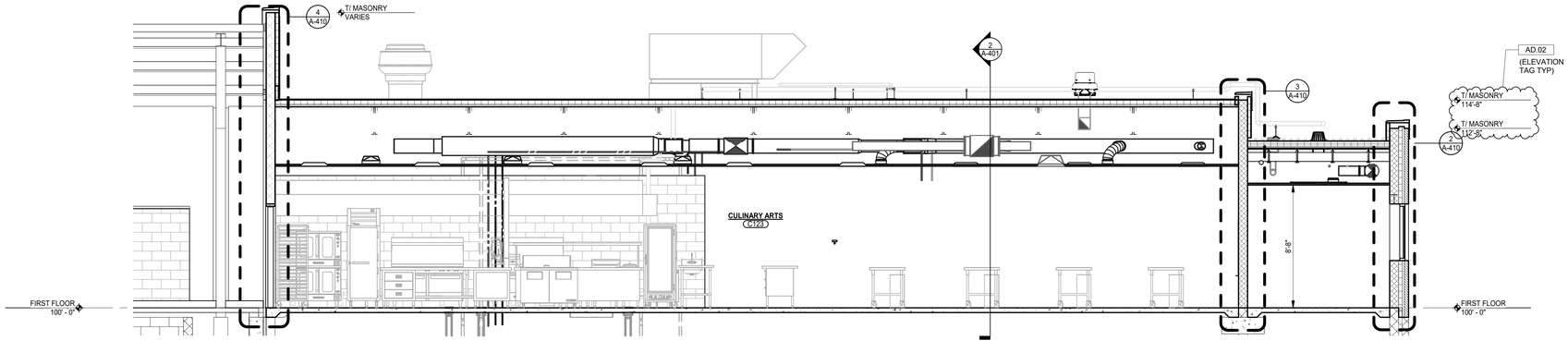
UNIT 'C' FIRST FLOOR
EAST - WEST STORAGE SECTION

3 A-401 1/4" = 1'-0"



UNIT 'C' FIRST FLOOR
NORTH SOUTH PRINT CULINARY SECTION

2 A-401 1/4" = 1'-0"



UNIT 'C' FIRST FLOOR
EAST - WEST PRINT CULINARY SECTION

1 A-401 1/4" = 1'-0"

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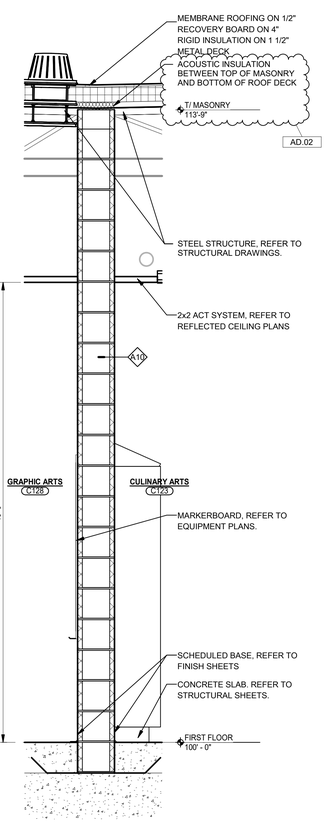
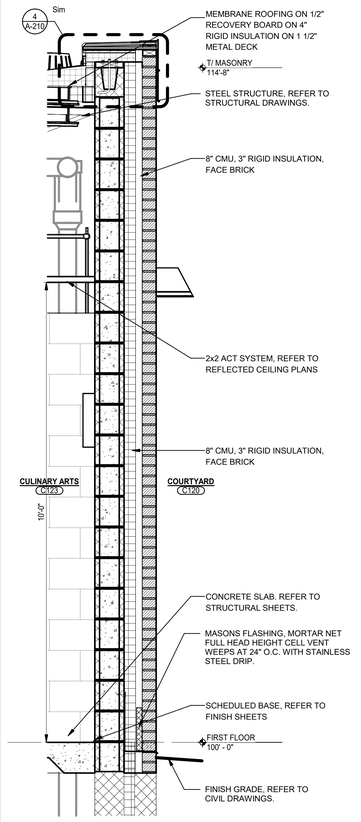
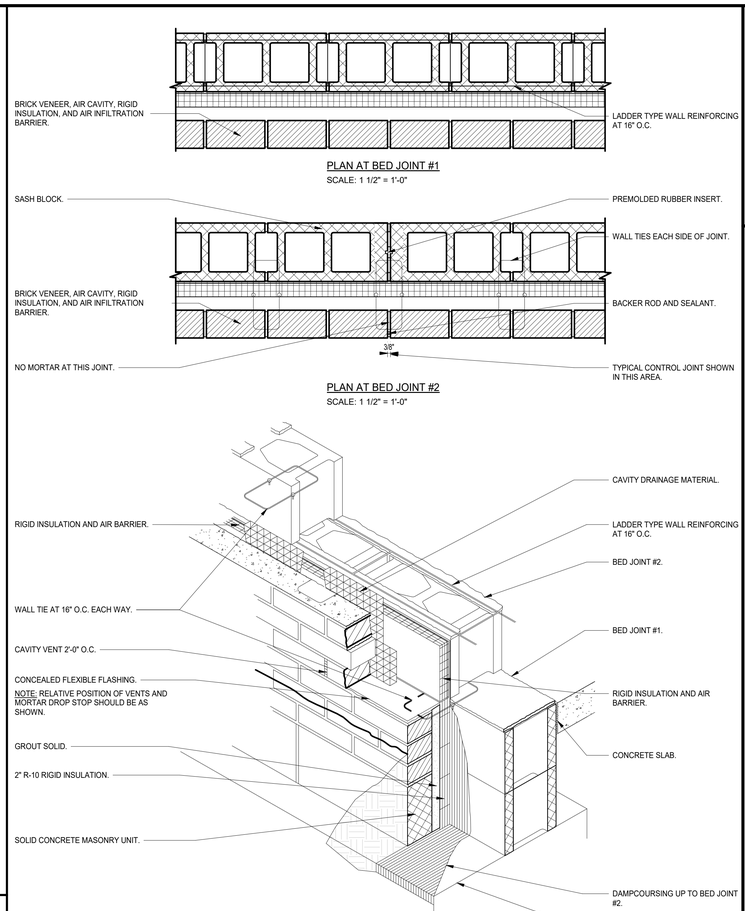


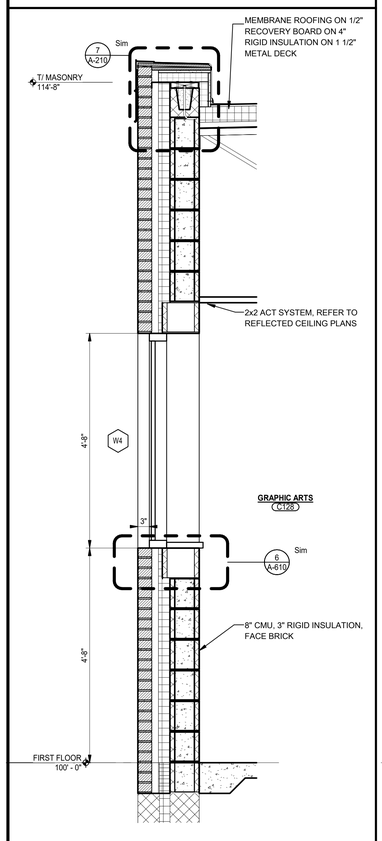
7 A-410 **UNIT C PRINT CULINARY**
3/4" = 1'-0"



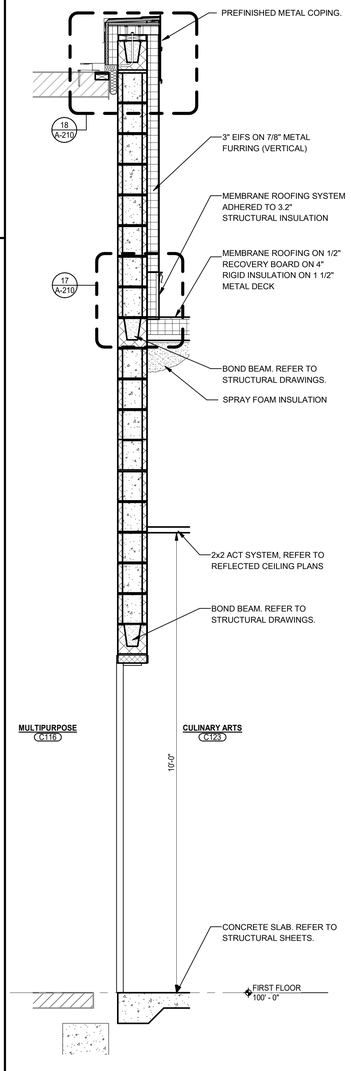
6 A-410 **UNIT C CULINARY NORTH**
3/4" = 1'-0"



1 A-410 **TYPICAL EXTERIOR MASONRY WALL CONSTRUCTRUCTION DETAIL**
Scale: AS INDICATED



5 A-410 **UNIT C GRAPHICS SOUTH**
3/4" = 1'-0"



4 A-410 **UNIT C CULINARY GYM**
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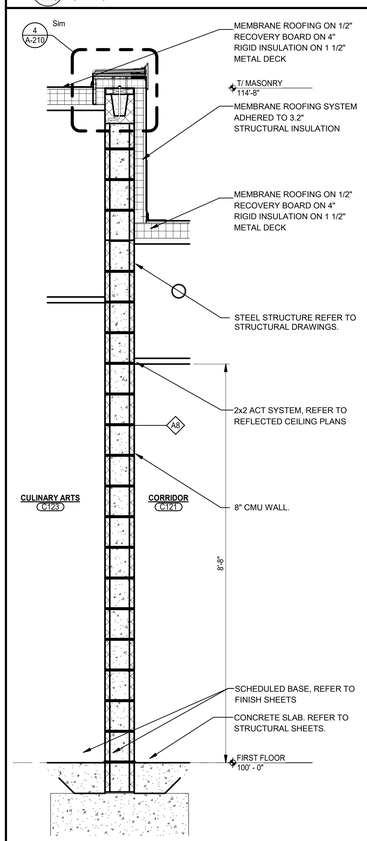

3 A-410 **UNIT C CORRIDOR CULINARY**
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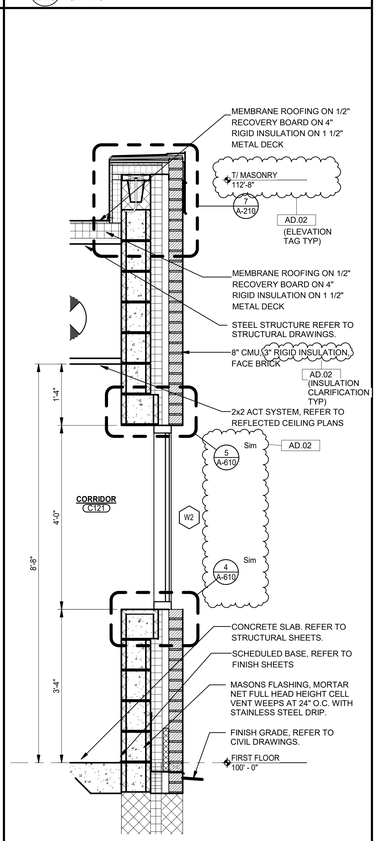

2 A-410 **UNIT C CORRIDOR**
3/4" = 1'-0"

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DRAWING
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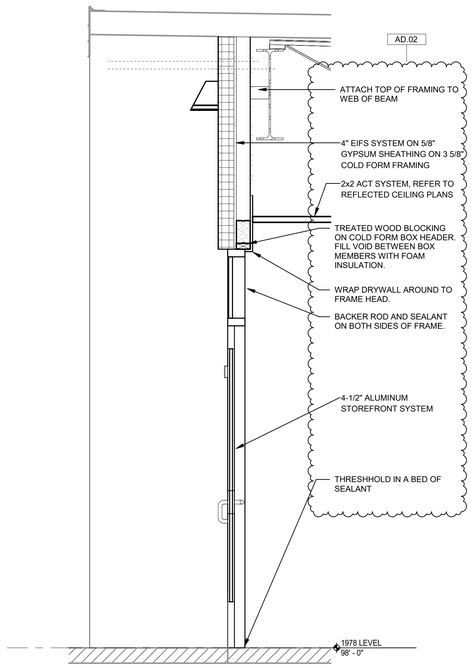
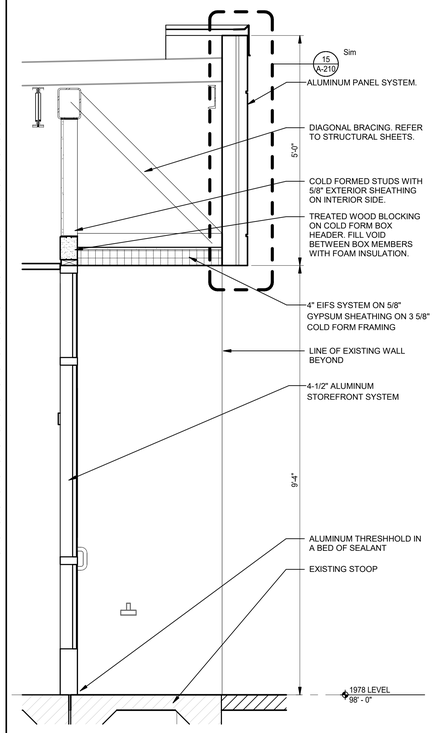
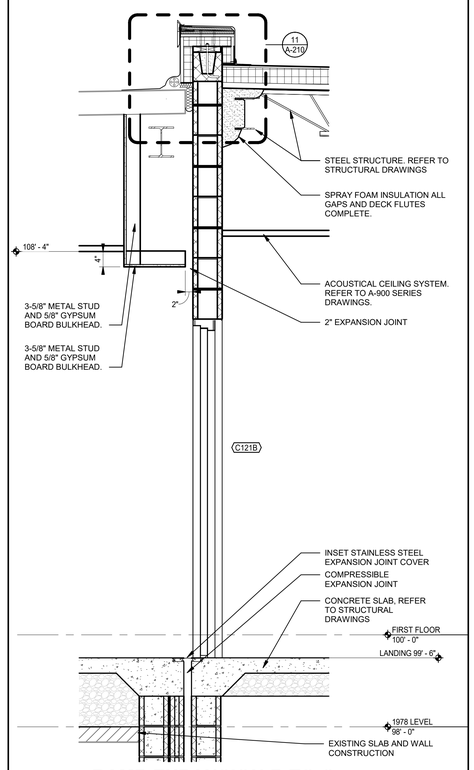


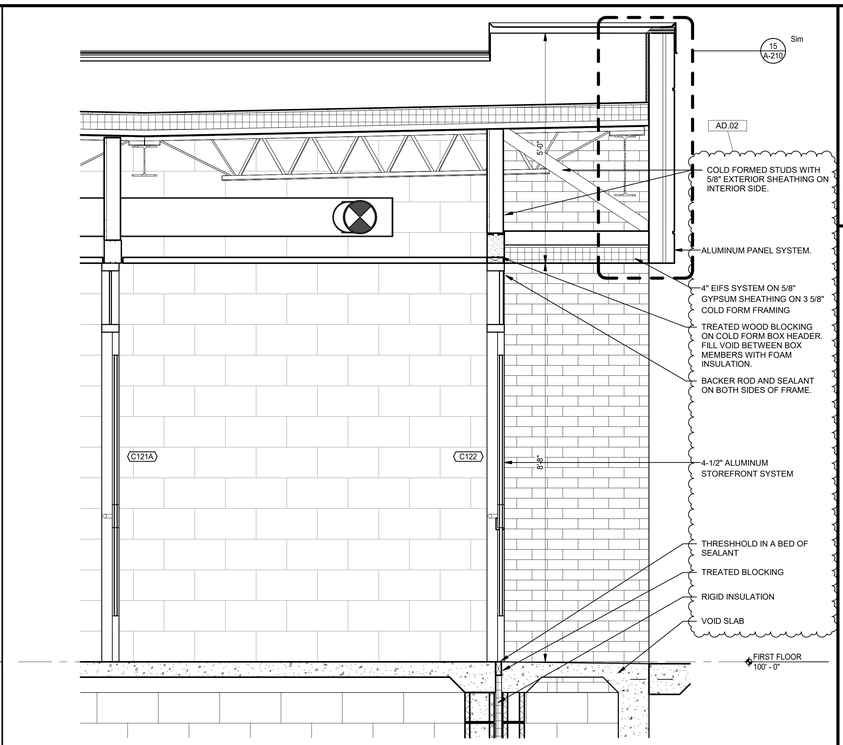
10 A-411 **Door A113**
3/4" = 1'-0"



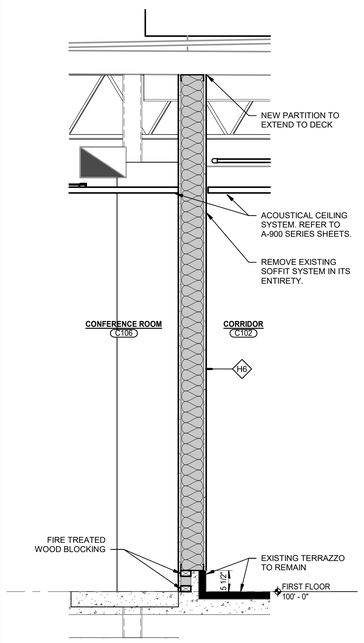
9 A-411 **B-120 EAST VESTIBULE**
3/4" = 1'-0"



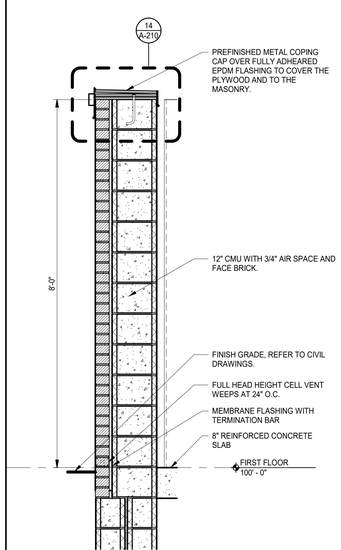
8 A-411 **RAMP EXPANSION B TO C**
3/4" = 1'-0"



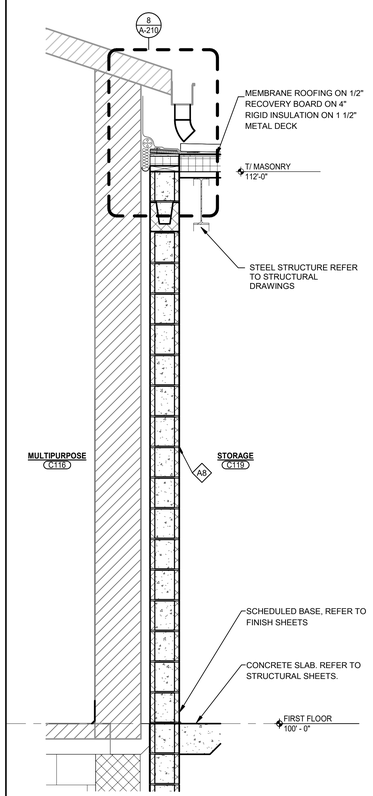
7 A-411 **VESTIBULE C-122 SECTION**
3/4" = 1'-0"



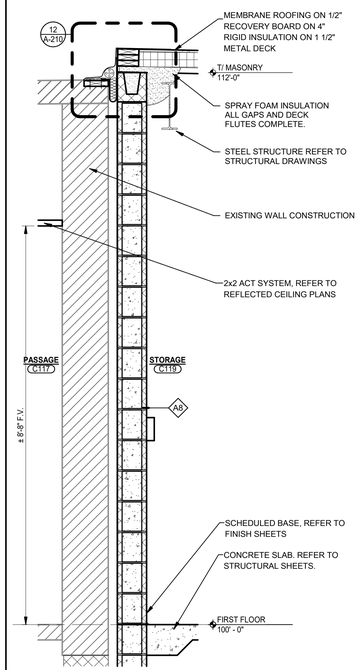
6 A-411 **CORRIDOR C-102 WALL**
3/4" = 1'-0"



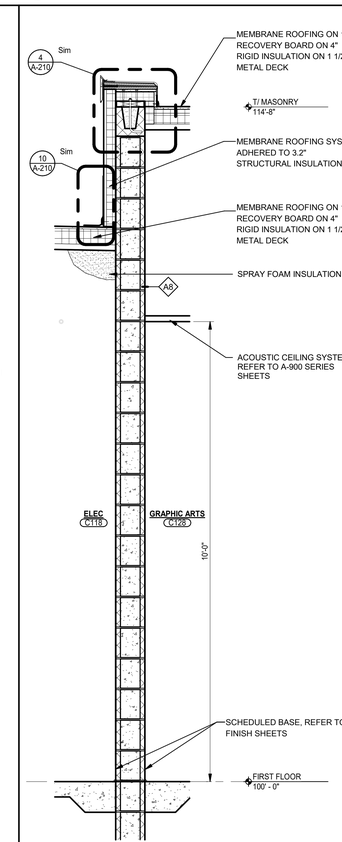
5 A-411 **MASONRY SCREEN WALL**
3/4" = 1'-0"



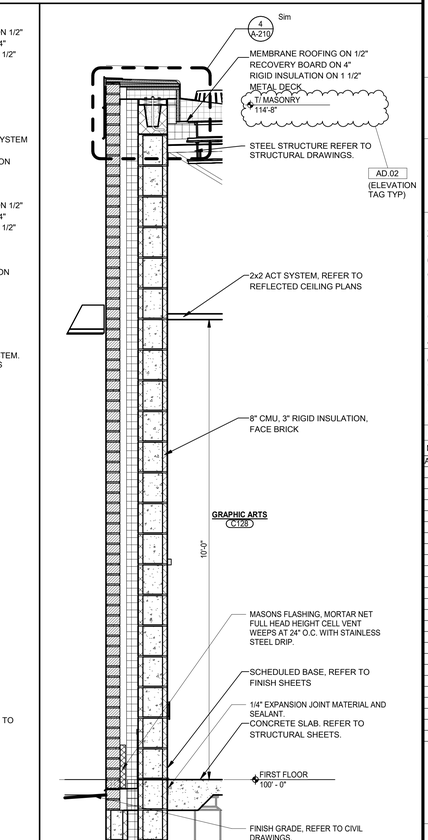
4 A-411 **UNIT C GYM NEW STORAGE**
3/4" = 1'-0"



3 A-411 **UNIT C STORAGE TO EXISTING**
3/4" = 1'-0"



2 A-411 **UNIT C STORAGE PRINTING**
3/4" = 1'-0"



1 A-411 **UNIT C SOUTH EXTERIOR WALL**
3/4" = 1'-0"

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PROJECT:

VALE ADDITION AND RENOVATION

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653 HAYES LEONARD RD
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PROJECT 25-113
DATE 09/04/25
COORDINATED BY EJM
DRAWN BY CJA
CHECKED BY JPB

JOSEPH P. BRIGGS REGISTERED NO. 11600109 STATE OF INDIANA ARCHITECT

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DRAWING
WALL SECTIONS & DETAILS

PROJECT
VALE ADDITION AND RENOVATION

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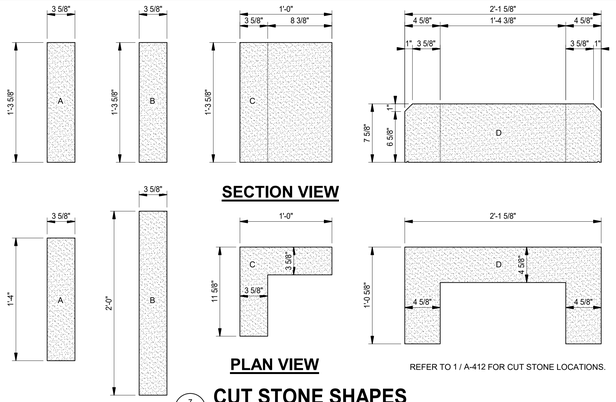
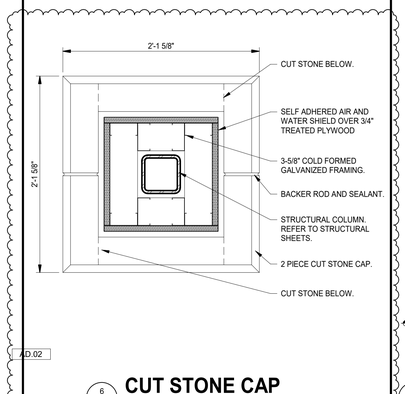
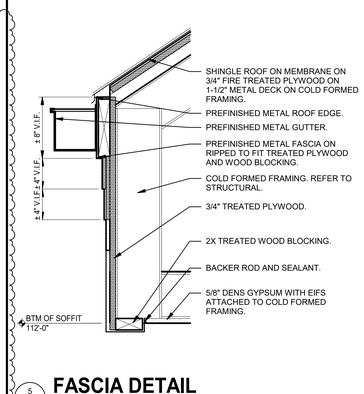


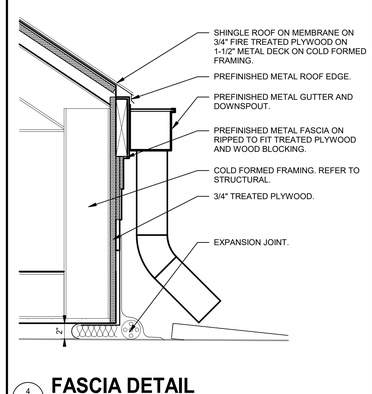
7 A-412 **CUT STONE SHAPES**
1 1/2" = 1'-0"



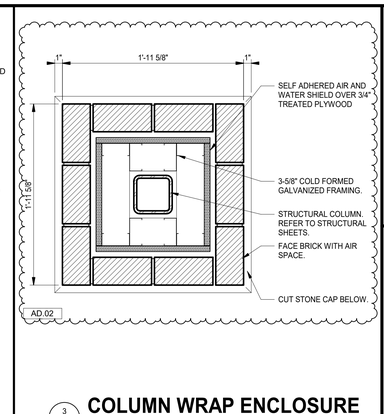
6 A-412 **CUT STONE CAP**
1 1/2" = 1'-0"



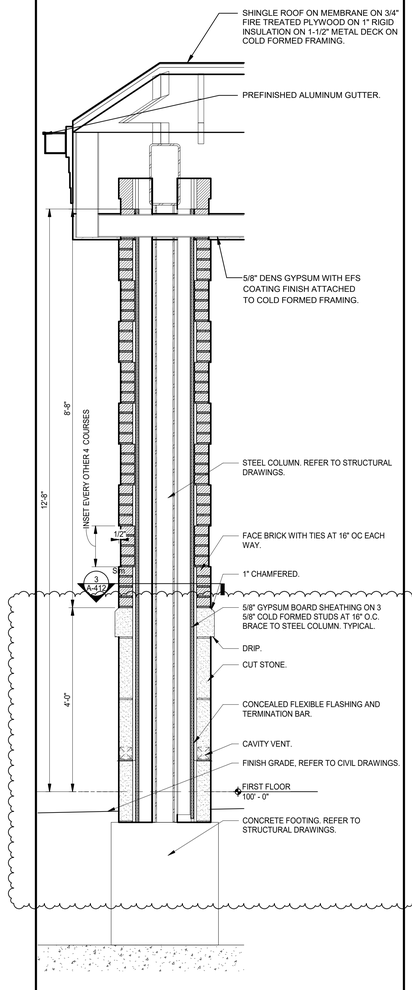
5 A-412 **FASCIA DETAIL**
1 1/2" = 1'-0"



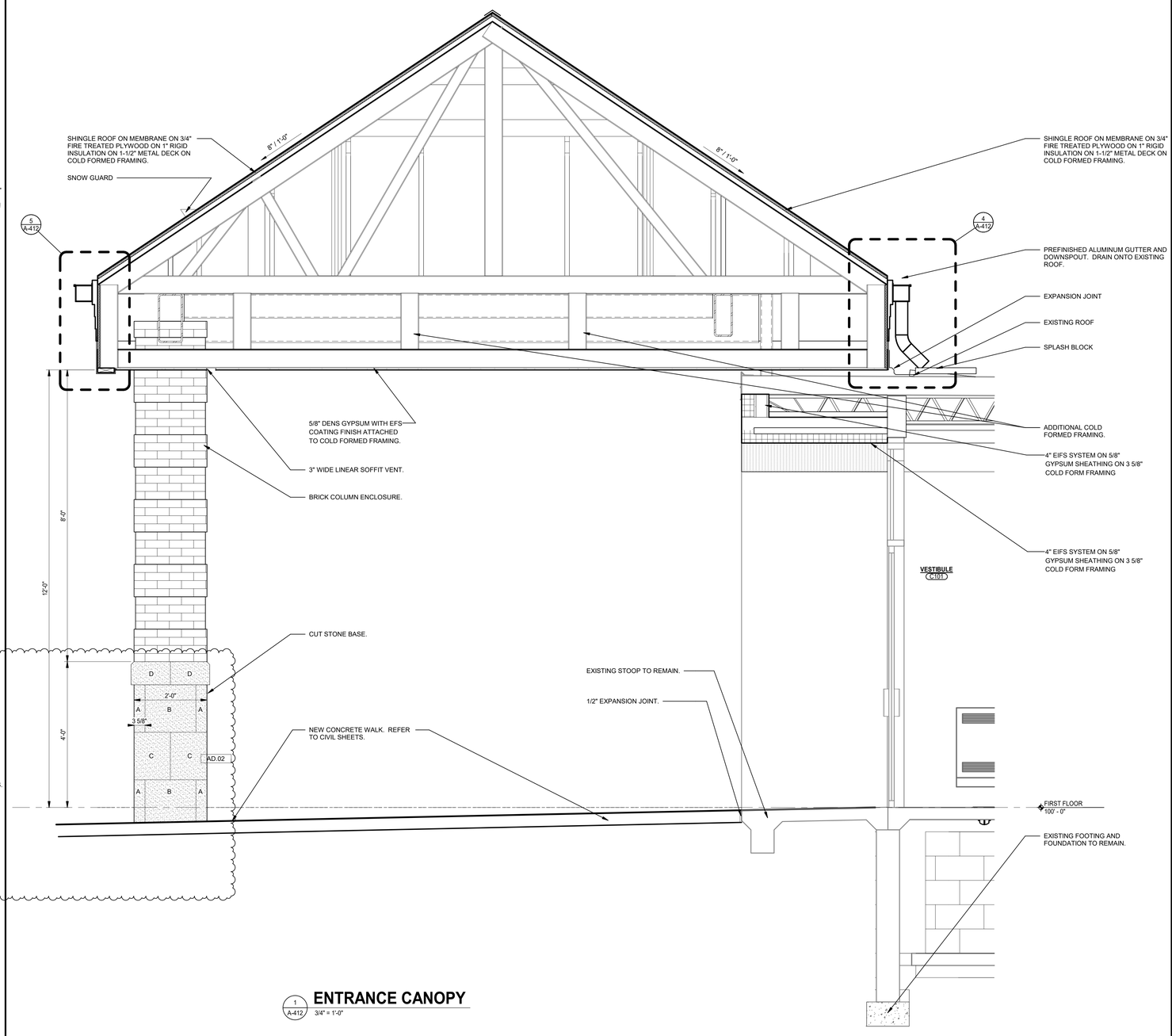
4 A-412 **FASCIA DETAIL**
1 1/2" = 1'-0"



3 A-412 **COLUMN WRAP ENCLOSURE**
1 1/2" = 1'-0"



2 A-412 **CANOPY WALL SECTION**
3/4" = 1'-0"



1 A-412 **ENTRANCE CANOPY**
3/4" = 1'-0"

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PROJECT
25-113
DATE
09/04/25
COORDINATED BY
EJM
DRAWN BY
CJA
CHECKED BY
JPB

JOSEPH P. BRIGGS REGISTERED NO. 11600109 STATE OF INDIANA ARCHITECT

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DRAWING
ALTERNATE CANOPY SECTIONS AND DETAILS

PROJECT
VALE ADDITION AND RENOVATION

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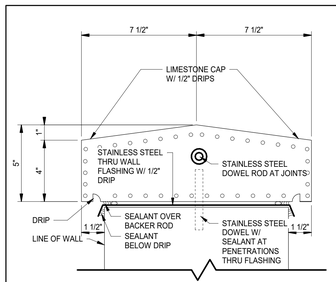
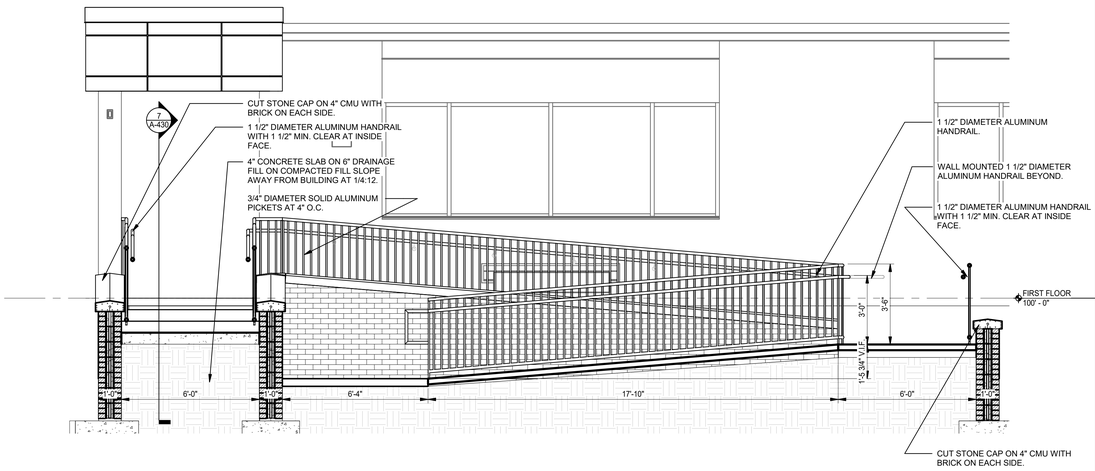


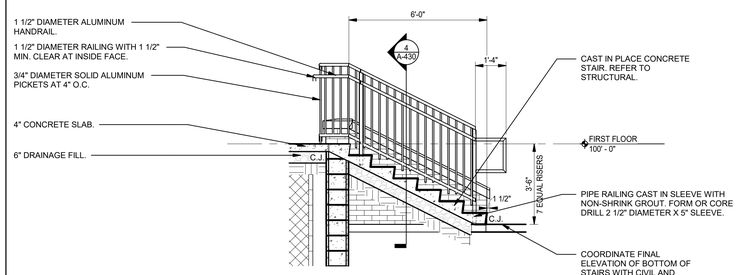
ALTERNATE STONE CAP

8 A-430 — 3" = 1'-0"



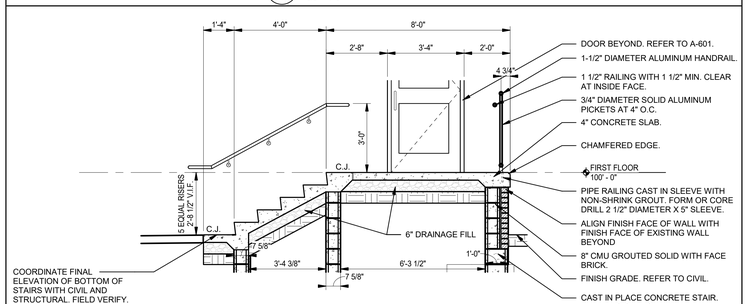
ALTERNATE RAMP SECTION

4 A-430 — 3/8" = 1'-0"



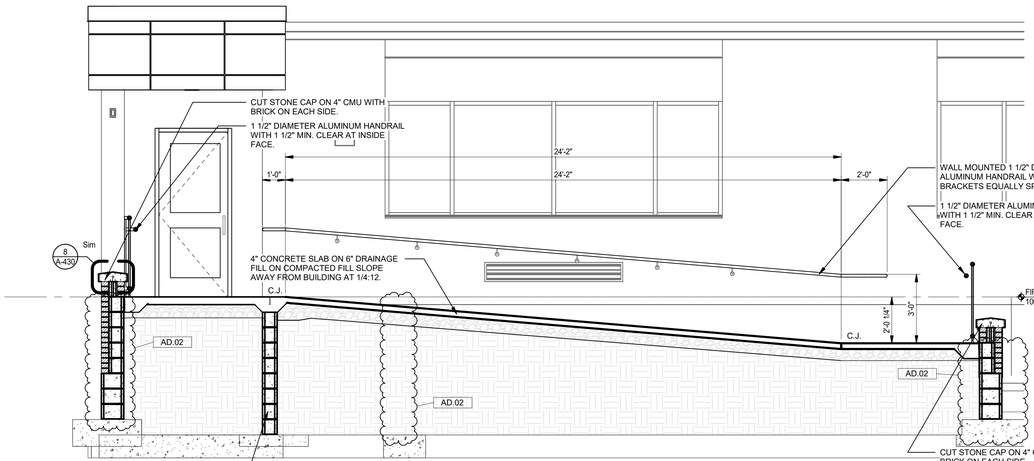
STAIR SECTION

7 A-430 — 3/8" = 1'-0"



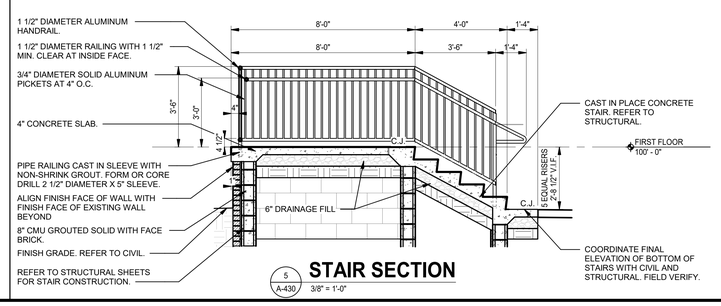
STAIR SECTION

6 A-430 — 3/8" = 1'-0"



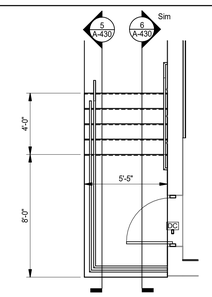
ALTERNATE RAMP SECTION

3 A-430 — 3/8" = 1'-0"



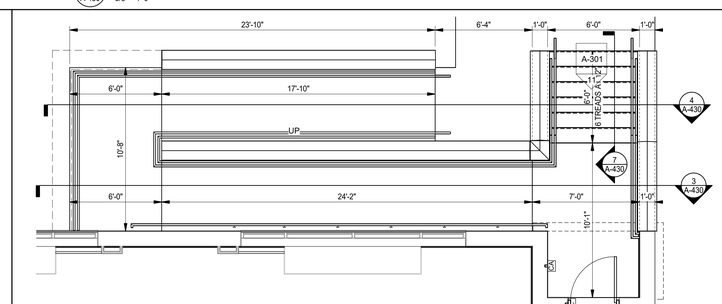
STAIR SECTION

5 A-430 — 3/8" = 1'-0"



ENLARGED STAIR PLAN

2 A-430 — 1/4" = 1'-0"



ALTERNATE ENLARGED RAMP AND STAIR PLAN

1 A-430 — 1/4" = 1'-0"

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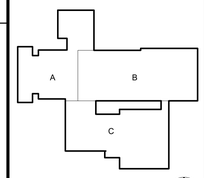

KEY PLAN — NORTH

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PROJECT 25-113
DATE 09/04/25
COORDINATED BY EJM
DRAWN BY CJA
CHECKED BY JPB

JOSEPH P. BRIGGS REGISTERED NO. 11600109 STATE OF INDIANA ARCHITECT

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DRAWING
ENLARGED STAIR PLANS AND SECTIONS

PROJECT
VALE ADDITION AND RENOVATION

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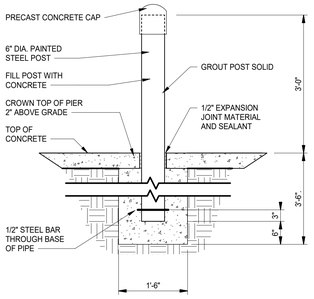
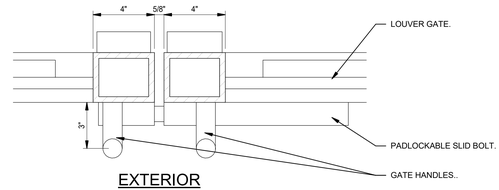


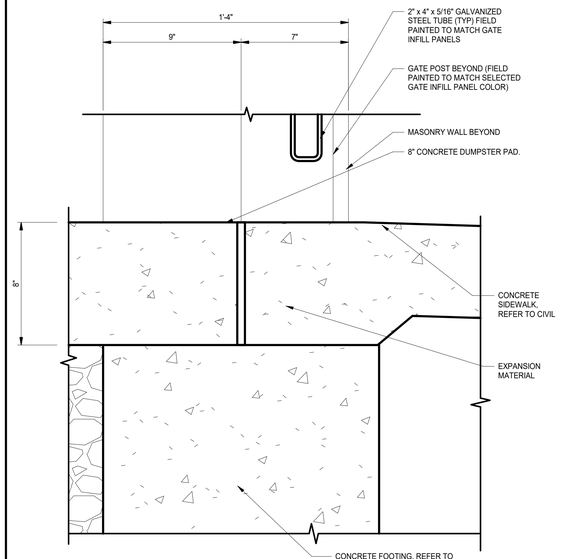
5 A-501 **PIPE BOLLARD DETAIL**

3/4" = 1'-0"



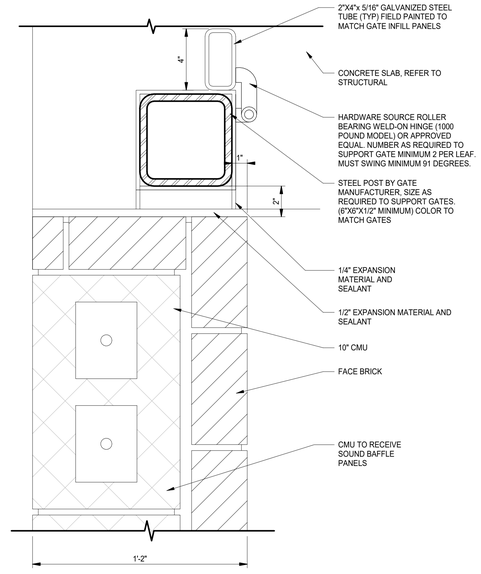
4 A-501 **GATE DETAIL**

3" = 1'-0"



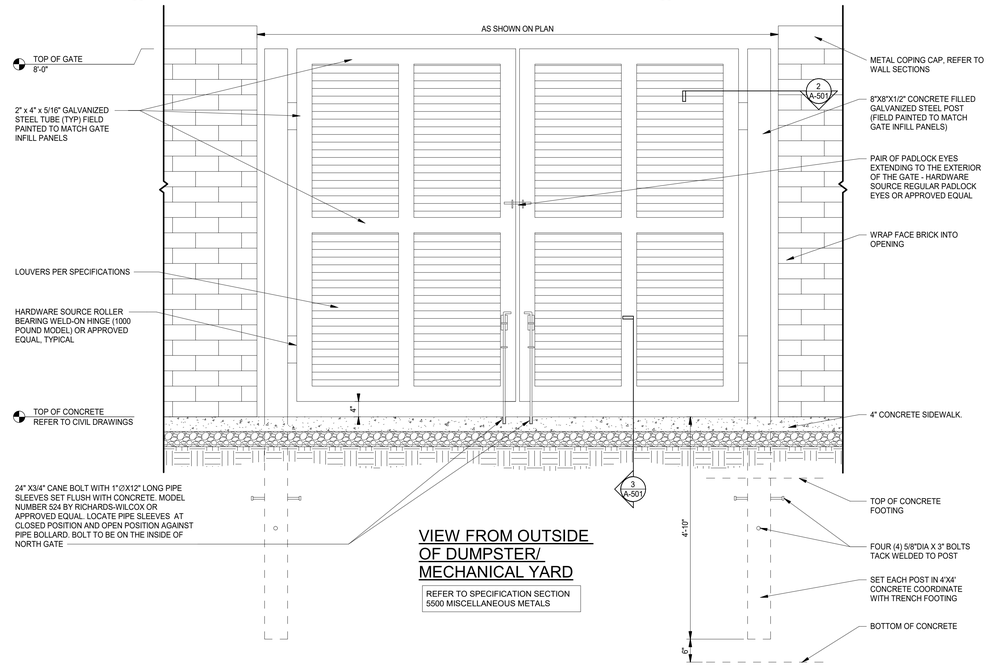
3 A-501 **GATE HINGE DETAIL**

3" = 1'-0"



2 A-501 **GATE HINGE DETAIL**

3" = 1'-0"

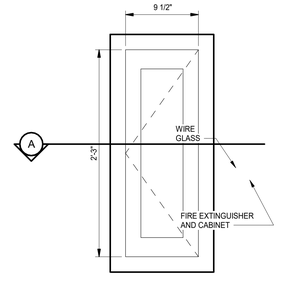


VIEW FROM OUTSIDE OF DUMPSTER/ MECHANICAL YARD

REFER TO SPECIFICATION SECTION 5500 MISCELLANEOUS METALS

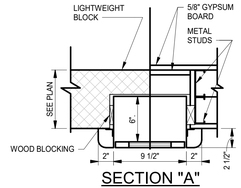
1 A-501 **GATE ELEVATION**

3/4" = 1'-0"



ELEVATION

NOTE:
CABINET DIMENSIONS TO BE VERIFIED WITH MANUFACTURER



SECTION "A"

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

SEMI-RECESSED FIRE EXTINGUISHER CABINET

6 A-501 1 1/2" = 1'-0"

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PROJECT
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Designer
DRAWN BY
Author
CHECKED BY
Checker

JOSEPH P. BRIGGS REGISTERED NO. 11600109 STATE OF INDIANA ARCHITECT

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DRAWING
TYPICAL DETAILS

PROJECT
VALE ADDITION AND RENOVATION

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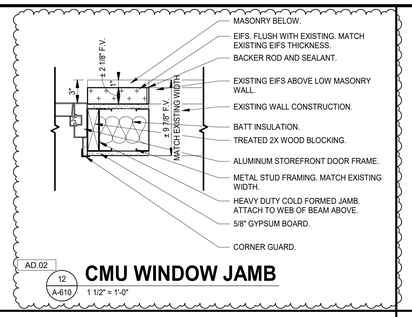
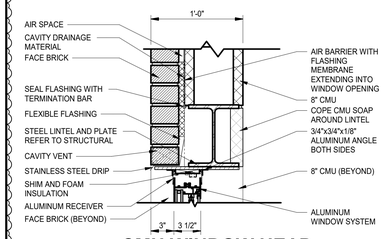


AD.02

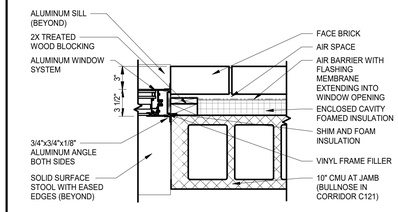
12 A-610 **CMU WINDOW JAMB**

1 1/2" = 1'-0"



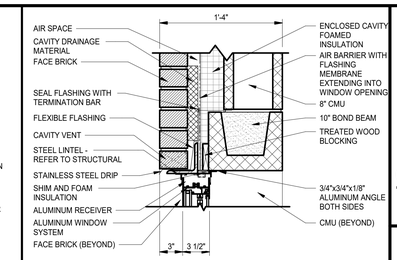
9 A-610 **CMU WINDOW HEAD**

1 1/2" = 1'-0"



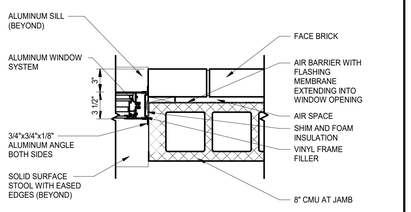
7 A-610 **CMU WINDOW JAMB**

1 1/2" = 1'-0"



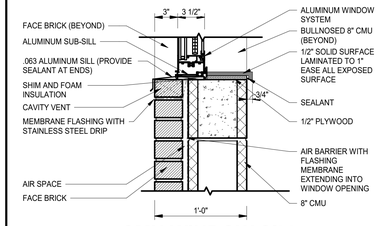
5 A-610 **CMU WINDOW HEAD**

1 1/2" = 1'-0"



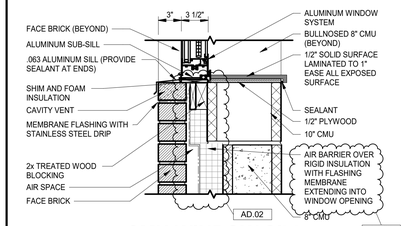
10 A-610 **CMU WINDOW JAMB**

1 1/2" = 1'-0"



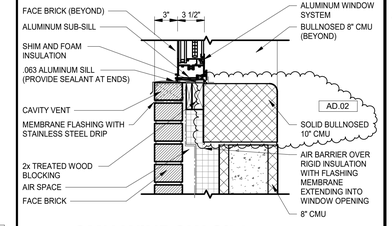
8 A-610 **CMU WINDOW SILL**

1 1/2" = 1'-0"



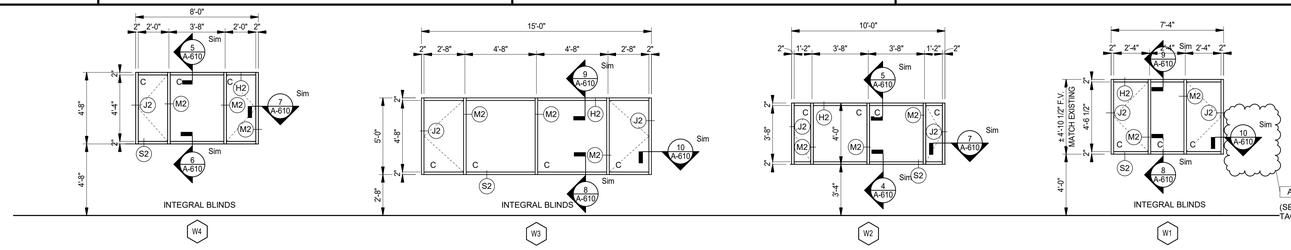
6 A-610 **CMU WINDOW SILL**

1 1/2" = 1'-0"



4 A-610 **CMU WINDOW SILL**

1 1/2" = 1'-0"



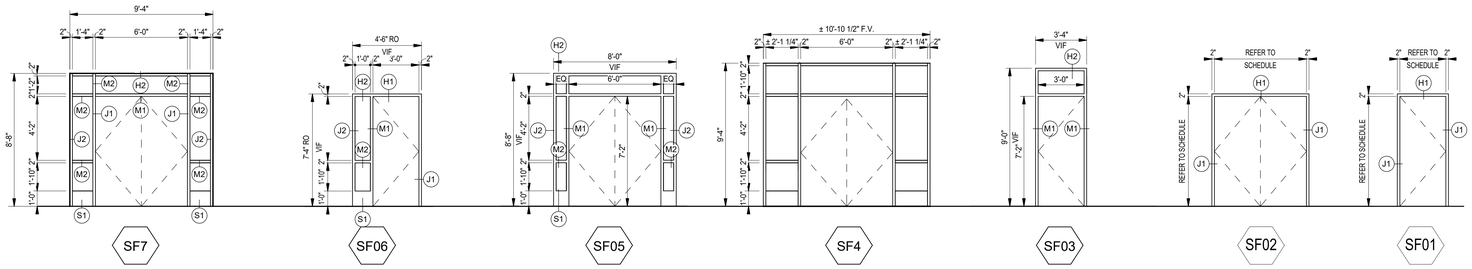
3 A-610 **WINDOW ELEVATIONS**

1/4" = 1'-0"

NOTES - ALUMINUM WINDOWS (W)

1. PROVIDE SHIM SPACE, BACKER ROD AND SEALANT AROUND PERIMETER OF ALL WINDOW FRAMING WHERE FRAMING ABUTS DISSIMILAR MATERIALS.
2. PROVIDE FOAM INSULATION IN SHIM SPACE AROUND PERIMETER OF ALL EXTERIOR WINDOW FRAMING.
3. DIMENSIONS SHOWN ARE NOMINAL. FIELD VERIFY ALL DIMENSIONS SHOWN PRIOR TO FABRICATION AND INSTALLATION.
4. ALL FRAMES IN EXTERIOR WALLS SHALL BE THERMALLY BROKEN WITH 1" INSULATED GLAZING.
5. ALL GLAZING SHALL CONFORM TO STATE AND LOCAL CODES.
6. REFER TO BUILDING ELEVATIONS FOR HINGE SIDE LOCATIONS.
7. PROVIDE 3/4"X3/4" ALUMINUM SCRIBE MOLD AT PERIMETER OF BOTH SIDES ON ALL WINDOWS UNLESS NOTED OTHERWISE. SET SCRIBE MOLDS IN SEALANT.

GLASS SCHEDULE	
MK	GLASS TYPES
A	1/4" TEMPERED (CLEAR)
B	1" INSUL. GLASS (CLEAR)
C	1" INSUL. GLASS (TINTED)
D	1" INSUL. GLASS (SCHOOLGUARD)
E	1/2" LAMINATED
S	SPANDREL

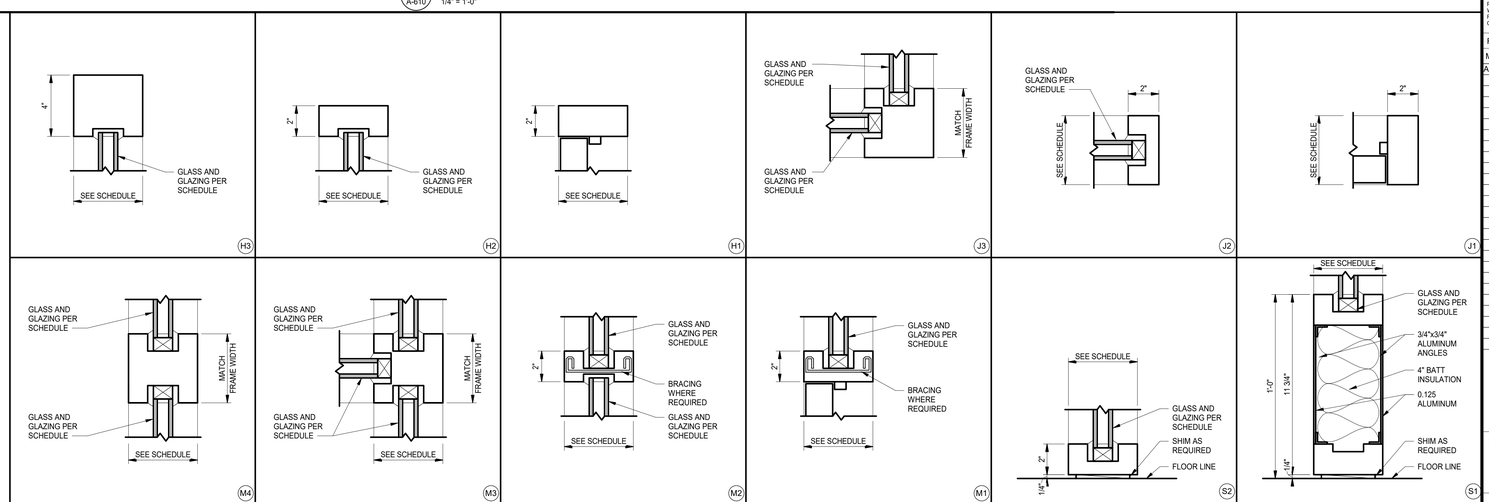


NOTES - ALUMINUM STOREFRONT (SF)

1. FOR STOREFRONT HEAD, JAMB AND SILL DETAILS REFER TO WALL SECTIONS AND ALUMINUM STOREFRONT (SF) FRAME PROFILES .
2. PROVIDE SHIM SPACE, BACKER ROD, AND SEALANT AROUND PERIMETER OF ALL FRAMES WHERE FRAMING ABUTS DISSIMILAR MATERIAL.
3. PROVIDE FOAM INSULATION IN SHIM SPACE AROUND PERIMETER OF ALL EXTERIOR STOREFRONT FRAMING.
4. DIMENSIONS SHOWN ARE NOMINAL. FIELD VERIFY ALL DIMENSIONS SHOWN PRIOR TO FABRICATION AND INSTALLATION.
5. ALL FRAMES IN EXTERIOR WALLS SHALL BE THERMALLY BROKEN WITH 1" INSULATED GLAZING.
6. REFER TO DOOR AND FRAME SCHEDULE FOR GLASS SCHEDULE.
7. ALL GLAZING SHALL CONFORM TO STATE AND LOCAL CODES.
8. ALL MULLIONS TO BE PROFILE M2 UNLESS NOTED OTHERWISE.
9. PROVIDE 3/4"x3/4" ALUMINUM SCRIBE MOLD AT PERIMETER OF BOTH SIDES ON ALL FRAMES UNLESS NOTED OTHERWISE. SET SCRIBE MOLDS IN SEALANT.

2 A-610 **ALUMINUM STOREFRONT ELEVATIONS (SF)**

1/4" = 1'-0"



1 A-610 **ALUMINUM STOREFRONT (SF) FRAME PROFILES**

3" = 1'-0"

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PROJECT:

VALE ADDITION AND RENOVATION

VALPARAISO COMMUNITY SCHOOLS

653 HAYES LEONARD RD
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25-113
DATE
09/04/25
COORDINATED BY
EJM
DRAWN BY
EJM
CHECKED BY
JPB

JOSEPH P. BRIGGS REGISTERED NO. 11600109 STATE OF INDIANA ARCHITECT

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DRAWING
WINDOW AND STOREFRONT ELEVATIONS AND DETAILS

PROJECT
VALE ADDITION AND RENOVATION

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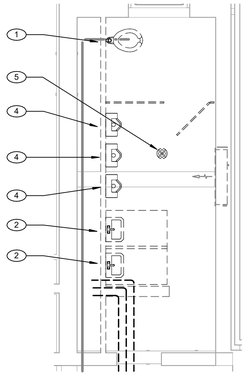
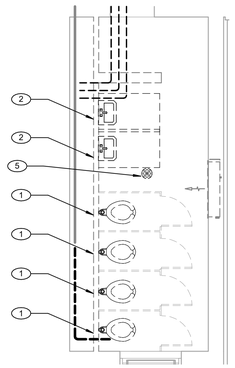
A-610



2 PD101 **PLUMBING ALTERNATE EA108 DEMOLITION PLAN**

1/4" = 1'-0"



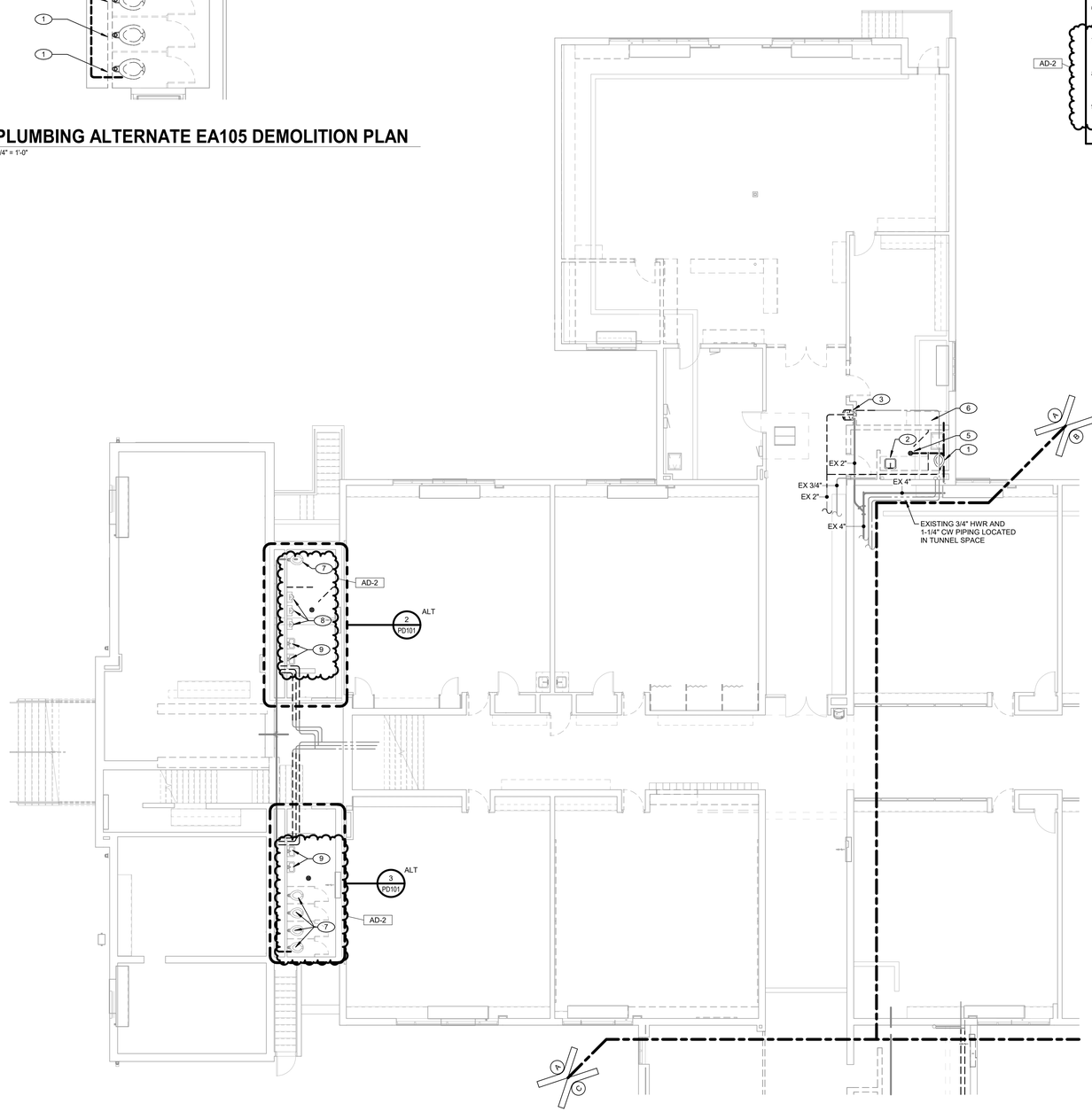
3 PD101 **PLUMBING ALTERNATE EA105 DEMOLITION PLAN**

1/4" = 1'-0"

SHEET NOTES

1. REMOVE EXISTING WATER CLOSET AND ASSOCIATED FLUSH VALVE AND REPLACE WITH NEW FIXTURE. ALL ASSOCIATED COLD WATER, SANITARY AND VENT PIPING TO REMAIN COMPLETE AS REQUIRED.
2. REMOVE EXISTING LAVATORY AND ASSOCIATED FAUCET AND REPLACE WITH NEW FIXTURE. ALL ASSOCIATED HOT/COLD WATER, SANITARY AND VENT PIPING TO REMAIN COMPLETE AS REQUIRED.
3. REMOVE EXISTING ELECTRIC WATER COOLER AND ASSOCIATED SANITARY, COLD WATER, AND VENT PIPING COMPLETE AS REQUIRED. REMOVE PIPING BACK TO PIPE MAIN.
4. REMOVE EXISTING URINAL AND ASSOCIATED FLUSH VALVE AND REPLACE WITH NEW FIXTURE. ALL ASSOCIATED COLD WATER, SANITARY AND VENT PIPING TO REMAIN COMPLETE AS REQUIRED.
5. REMOVE EXISTING FLOOR DRAIN AND REPLACE WITH NEW FIXTURE. ALL ASSOCIATED SANITARY AND VENT PIPING TO REMAIN COMPLETE AS REQUIRED.
6. REMOVE EXISTING SINK AND FAUCET AND ALL ASSOCIATED HOT/COLD WATER, SANITARY AND VENT PIPING TO REMAIN COMPLETE AS REQUIRED.
7. REMOVE FLUSH VALVE AT WATER CLOSET AND ASSOCIATED PIPING FOR NEW FLUSH VALVE INSTALLATION.
8. REMOVE FLUSH VALVE AT URINAL AND ASSOCIATED PIPING FOR NEW FLUSH VALVE INSTALLATION.
9. REMOVE FAUCET AT LAVATORY FIXTURE.

AD-2



1 PD101 **UNIT "A" PLUMBING FIRST FLOOR DEMOLITION PLAN**

1/8" = 1'-0"

NORTH

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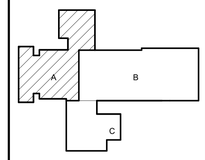

KEY PLAN

NORTH

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JC
DRAWN BY
CC
CHECKED BY
DJ

DAVID G. JANNEY REGISTERED NO. 10302590 STATE OF INDIANA PROFESSIONAL ENGINEER

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AD-2	09/18/25	ADDENDUM NO. 2

DRAWING
UNIT "A" PLUMBING FIRST FLOOR DEMOLITION PLAN

PROJECT
VALE ADDITION AND RENOVATION

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A PD101

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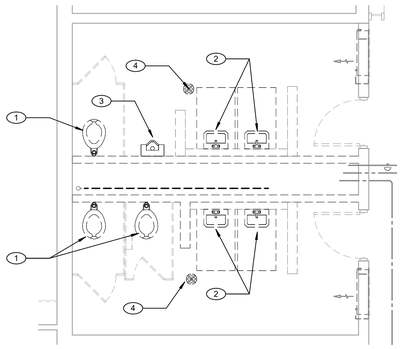


PLUMBING ALTERNATE EB110 AND EB111 DEMOLITION PLAN

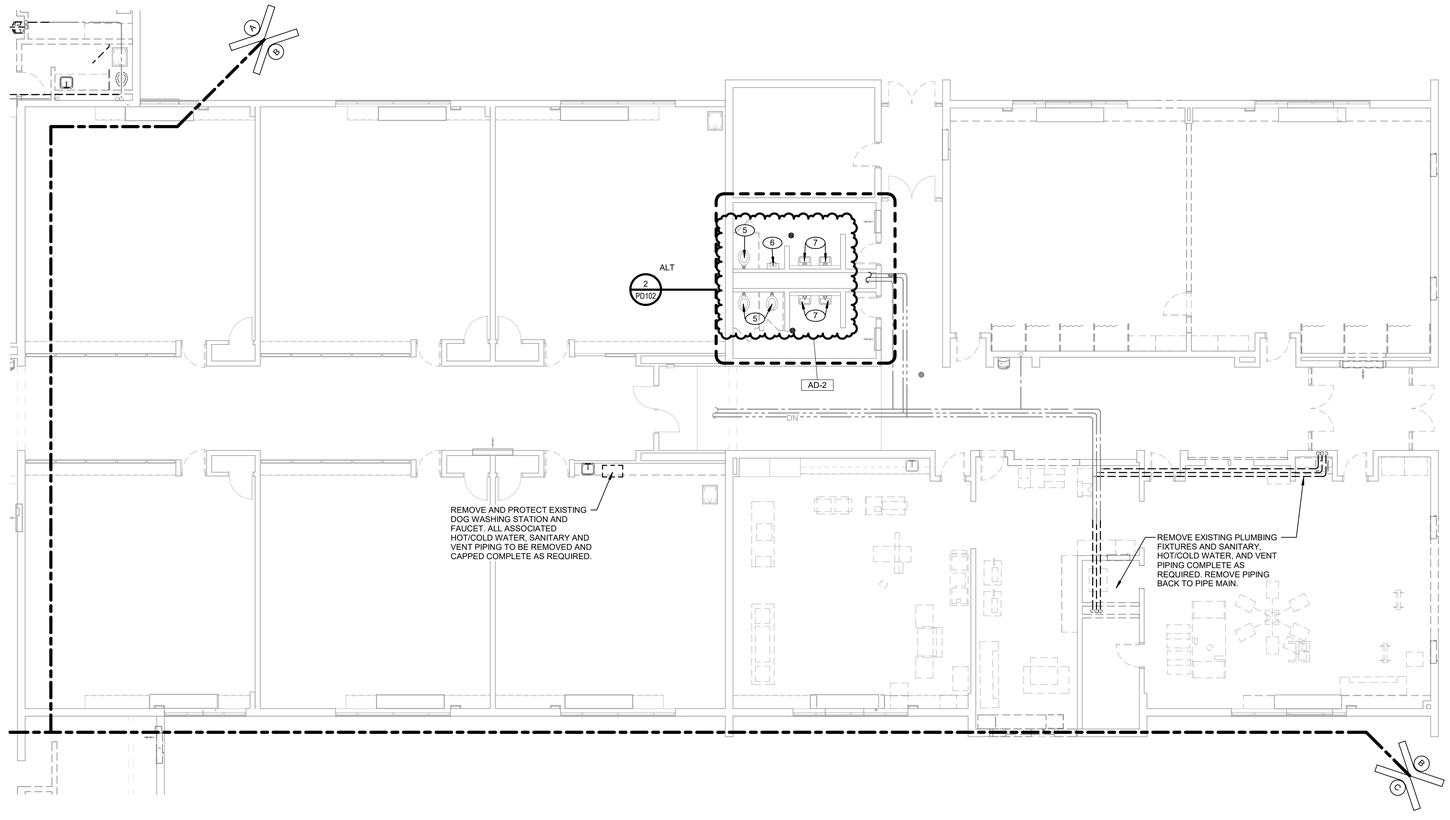
2 / PD102

1/4" = 1'-0"

SHEET NOTES

1. REMOVE EXISTING WATER CLOSET AND ASSOCIATED FLUSH VALVE AND REPLACE WITH NEW FIXTURE. ALL ASSOCIATED COLD WATER, SANITARY AND VENT PIPING TO REMAIN COMPLETE AS REQUIRED.
2. REMOVE EXISTING LAVATORY AND ASSOCIATED FAUCET AND REPLACE WITH NEW FIXTURE. ALL ASSOCIATED HOT/COLD WATER, SANITARY AND VENT PIPING TO REMAIN COMPLETE AS REQUIRED.
3. REMOVE EXISTING URINAL AND ASSOCIATED FLUSH VALVE AND REPLACE WITH NEW FIXTURE. ALL ASSOCIATED COLD WATER, SANITARY AND VENT PIPING TO REMAIN COMPLETE AS REQUIRED.
4. REMOVE EXISTING FLOOR DRAIN AND REPLACE WITH NEW FIXTURE. ALL ASSOCIATED SANITARY AND VENT PIPING TO REMAIN COMPLETE AS REQUIRED.
5. REMOVE FLUSH VALVE AT WATER CLOSET AND ASSOCIATED PIPING FOR NEW FLUSH VALVE INSTALLATION.
6. REMOVE FLUSH VALVE AT URINAL AND ASSOCIATED PIPING FOR NEW FLUSH VALVE INSTALLATION.
7. REMOVE FAUCET AT LAVATORY FIXTURE.

AD-2



UNIT "B" PLUMBING FIRST FLOOR DEMOLITION PLAN

1 / PD102

1/8" = 1'-0"

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PROJECT:

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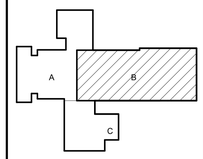

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DRAWING
UNIT "B" PLUMBING FIRST FLOOR DEMOLITION PLAN

PROJECT
VALE ADDITION AND RENOVATION

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B
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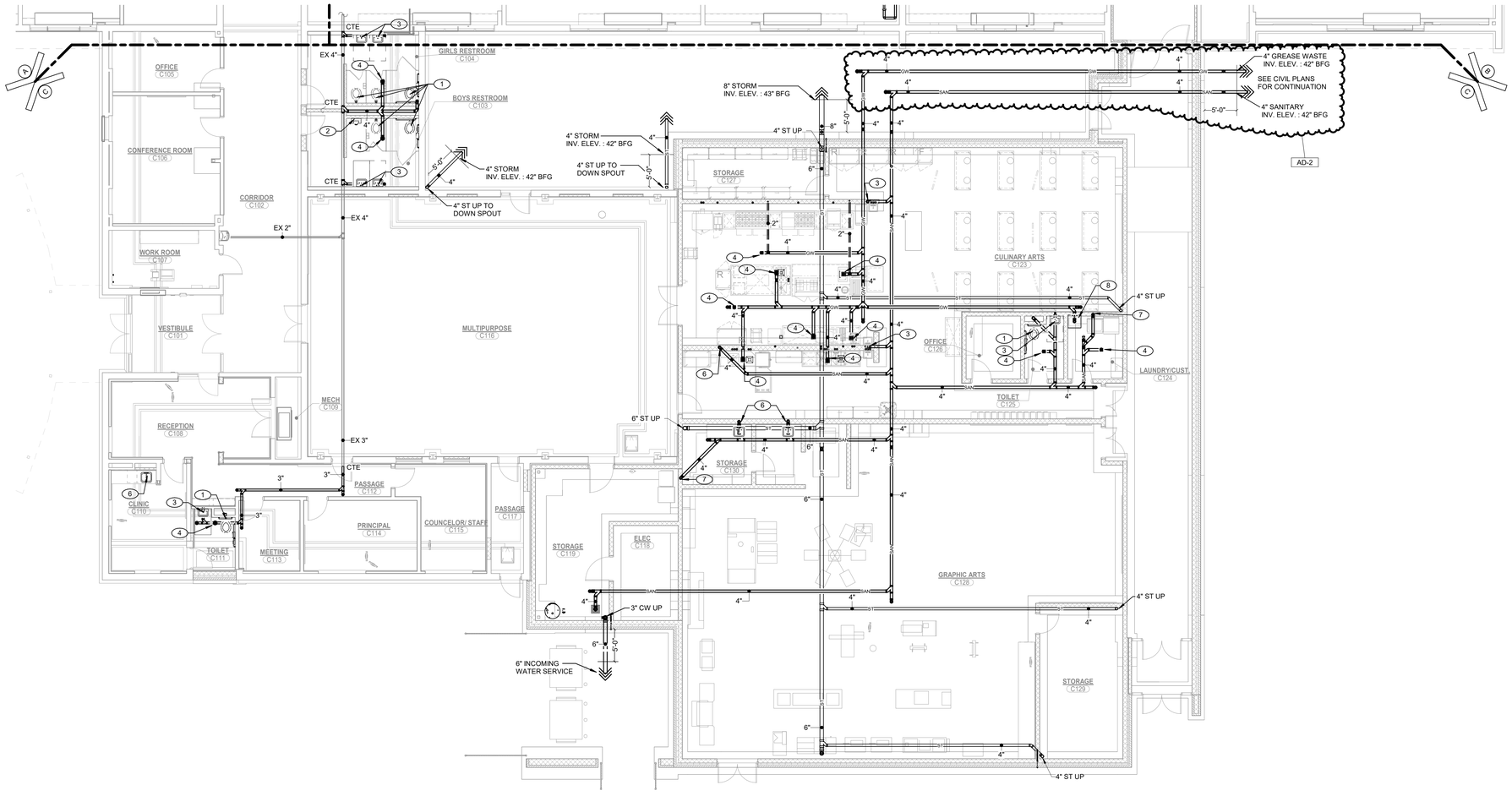
SHEET NOTES

1. 4" SANITARY UP TO WATER CLOSET
2. 2" SANITARY UP TO URINAL
3. 1-1/2" SANITARY UP TO LAVATORY
4. 4" SANITARY UP TO FLOOR DRAIN/SINK
5. 2" VENT UP
6. 2" SANITARY UP TO SINK
7. 2" SANITARY UP TO PLUMBERS BOX
8. 4" SANITARY UP TO MOP BASIN
9. 6" STORM UP TO YARD DRAIN



1 P-103 **UNIT "C" PLUMBING UNDERFLOOR PLAN**

1/8" = 1'-0"

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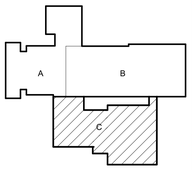

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DRAWN BY
CC
CHECKED BY
DJ

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DRAWING
UNIT "C" PLUMBING UNDERFLOOR PLAN

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VALE ADDITION AND RENOVATION

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C
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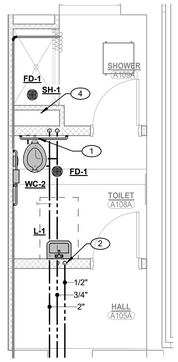
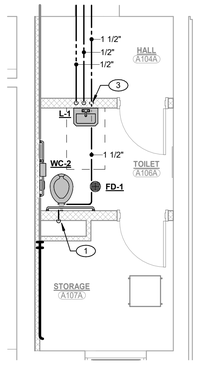


2 P-111

PLUMBING ALTERNATE A105 PLAN

1/4" = 1'-0"



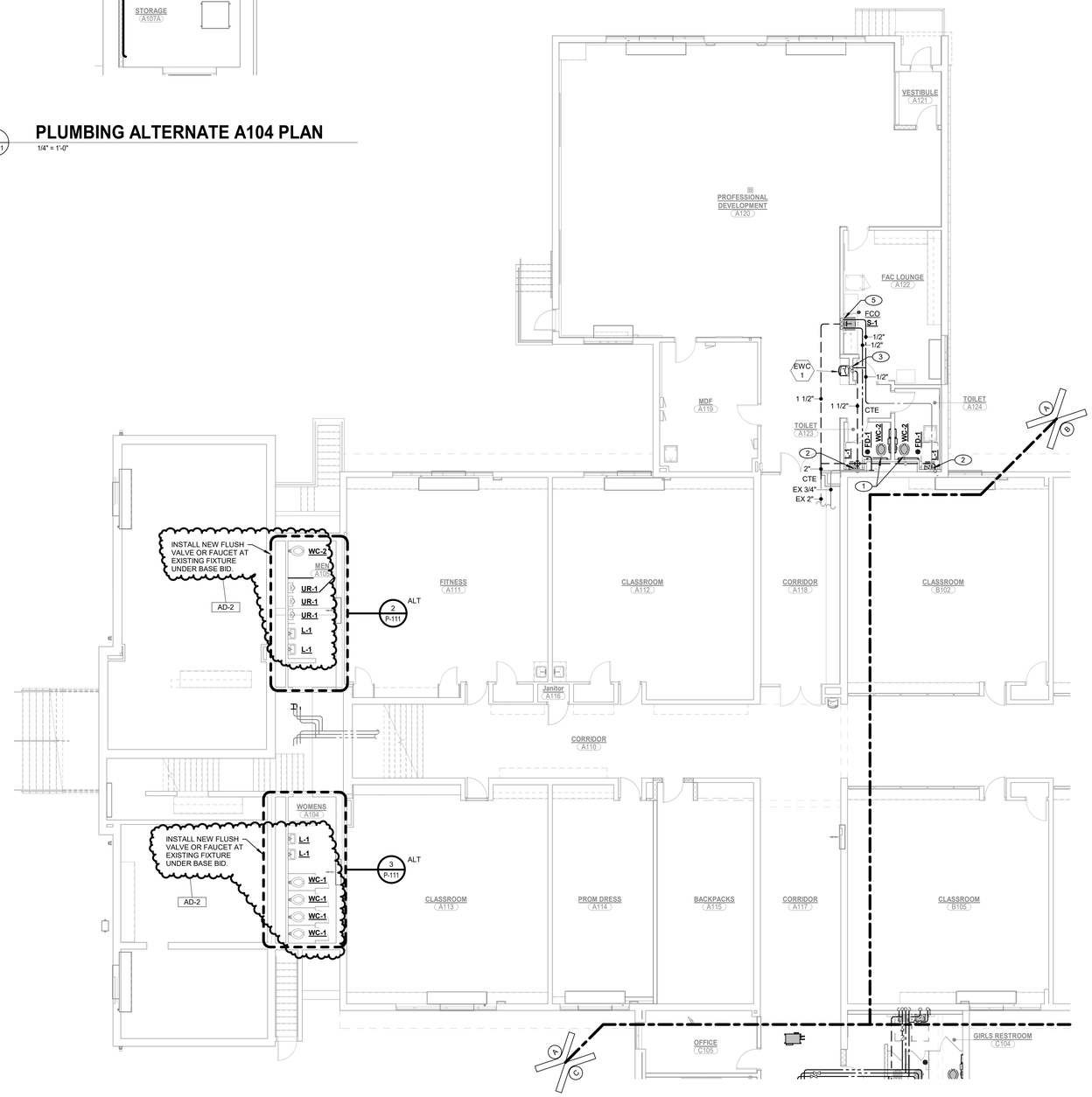
3 P-111

PLUMBING ALTERNATE A104 PLAN

1/4" = 1'-0"

SHEET NOTES

1. 1-1/2" CW, 2" V AND 4" SAN DN
2. 1/2" HW/CW/HWR, 1-1/2" V AND 1-1/2" SAN DN
3. 1/2" CW, 1-1/2" V AND 1-1/2" SAN DN
4. 1/2" HW/CW DN
5. 1/2" HW/CW, 1-1/2" V AND 2" SAN DN



1 P-111

UNIT "A" PLUMBING FIRST FLOOR PLAN

1/8" = 1'-0"

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653 HAYES LEONARD RD
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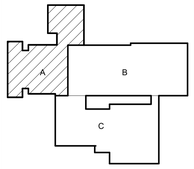

KEY PLAN

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DRAWING
UNIT "A" PLUMBING FIRST FLOOR PLAN

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VALE ADDITION AND RENOVATION

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A
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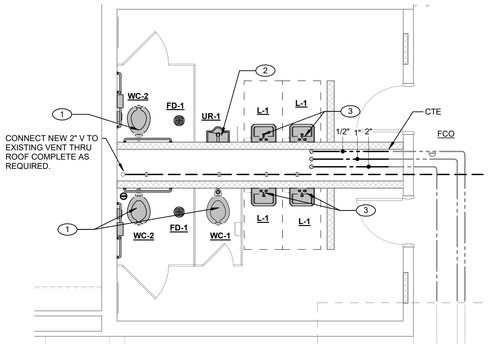


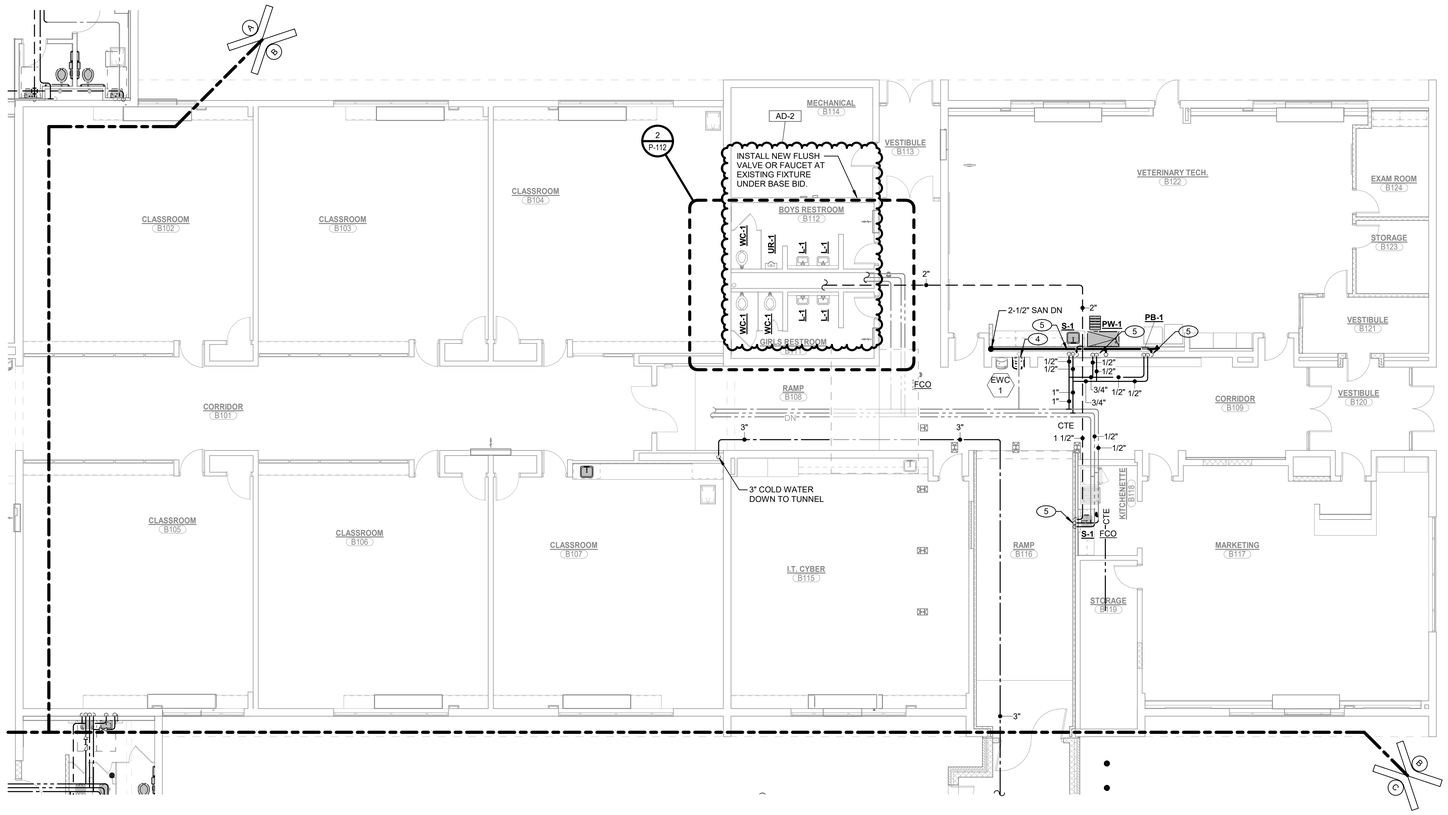
2 / P-112

UNIT "B" PLUMBING FIRST FLOOR ALT - COMMON RESTROOM

1/4" = 1'-0"

SHEET NOTES

1. 1-1/2" CW, 2" V AND 4" SAN DN
2. 3/4" CW, 1-1/2" V AND 2" SAN DN
3. 1/2" HW/CW/HWR, 1-1/2" V AND 1-1/2" SAN DN
4. 1/2" CW, 1-1/2" V AND 1-1/2" SAN DN
5. 1/2" HW/CW, 1-1/2" V AND 2" SAN DN



1 / P-112

UNIT "B" PLUMBING FIRST FLOOR PLAN

1/8" = 1'-0"

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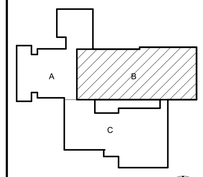

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09/04/25
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DRAWN BY
CC
CHECKED BY
DJ

REGISTERED PROFESSIONAL ENGINEER
DAVID G. JANNEY
NO. 10302590
STATE OF INDIANA

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DRAWING
UNIT "B" PLUMBING FIRST FLOOR PLAN

PROJECT
VALE ADDITION AND RENOVATION

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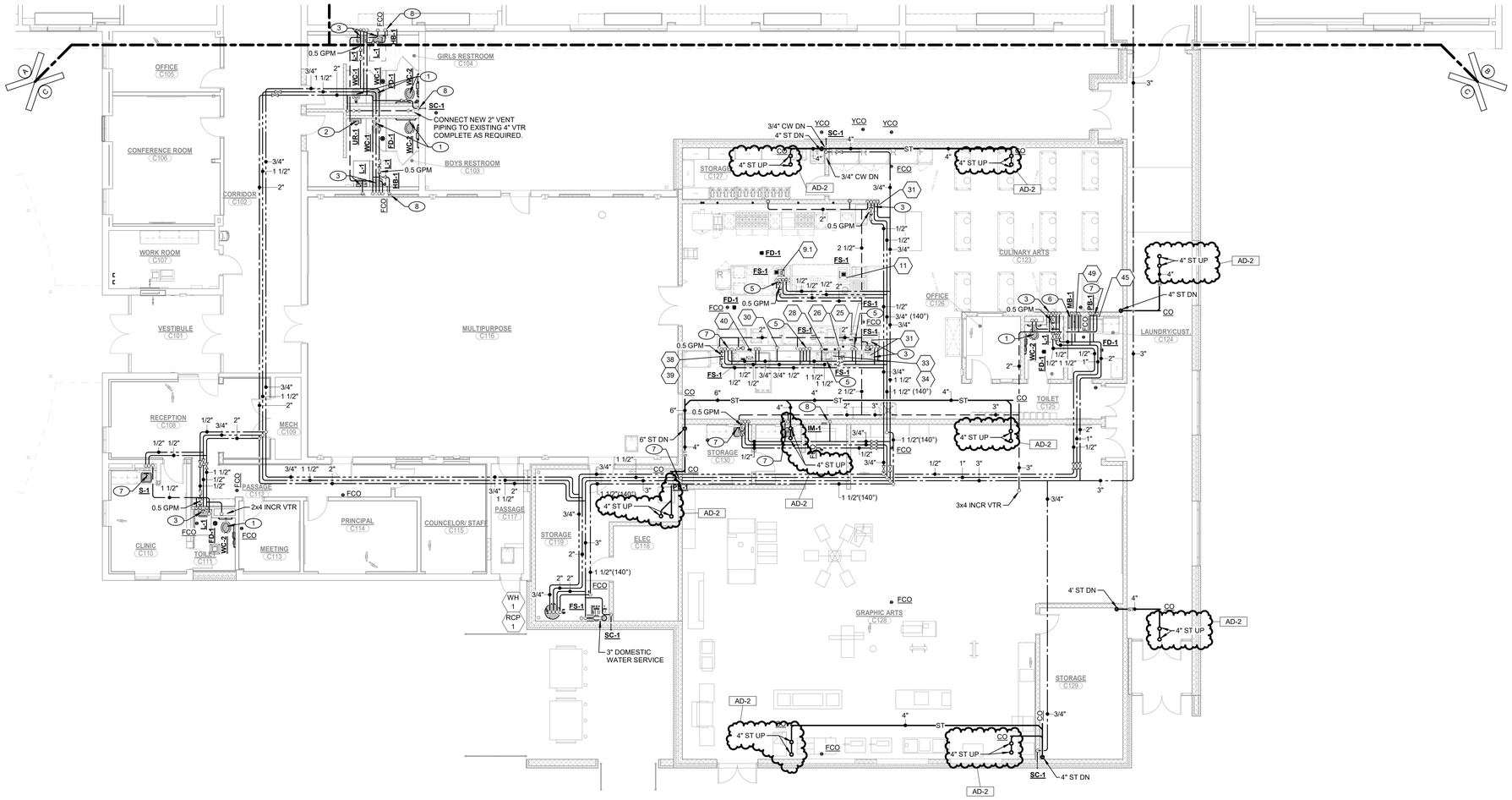
SHEET NOTES

1. 1-1/2" CW, 2" V AND 4" SAN DN
2. 3/4" CW, 1-1/2" V AND 2" SAN DN
3. 1/2" HW/CW/HWR, 1-1/2" V AND 1-1/2" SAN DN
4. 1/2" CW, 1-1/2" V AND 1-1/2" SAN DN
5. 1/2" HW/CW DN
6. 1/2" HW/CW AND 2" V DN
7. 1/2" HW/CW, 1-1/2" V AND 2" SAN DN
8. 1/2" CW DN
9. 3/4" HW/CW DN



1 P-113 **UNIT "C" PLUMBING FIRST FLOOR PLAN**

1/8" = 1'-0"

NORTH

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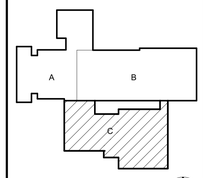
MILLIES ENGINEERING GROUP
(219) 924-8400
www.milliesengineeringgroup.com

PROJECT:

VALE ADDITION AND RENOVATION

VALPARAISO COMMUNITY SCHOOLS

653 HAYES LEONARD RD
VALPARAISO, IN 46385



KEY PLAN NORTH

100% CD SET

GIBRALTAR DESIGN
9102 N. Meridian St., Ste. 300
Indianapolis, IN 46290
Homepage: www.GibraltarDesign.com
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PROJECT 25-113
DATE 09/04/25
COORDINATED BY JC
DRAWN BY CC
CHECKED BY DJ

DAVID G. JANNEY REGISTERED NO. 10302590 STATE OF INDIANA PROFESSIONAL ENGINEER

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REVISIONS

MARK	DATE	ISSUED FOR
AD-1	09/11/25	ADDENDUM NO. 1
AD-2	09/18/25	ADDENDUM NO. 2

DRAWING
UNIT "C" PLUMBING FIRST FLOOR PLAN

PROJECT
VALE ADDITION AND RENOVATION

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SHEET C P-113

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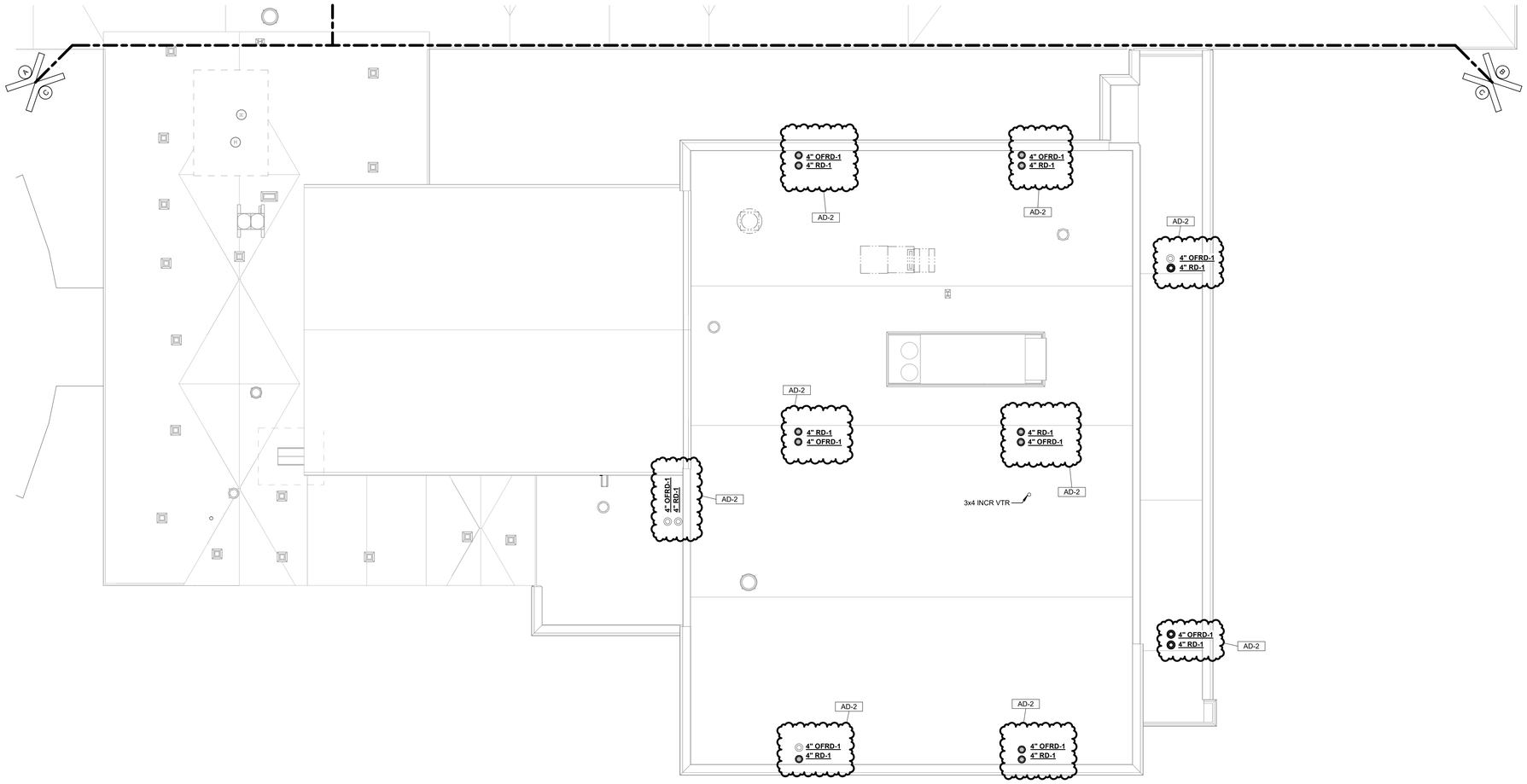

1 P-203 **UNIT "C" PLUMBING ROOF PLAN**

1/8" = 1'-0"

NORTH

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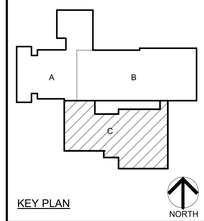
PROJECT:

VALE ADDITION AND RENOVATION

VALPARAISO COMMUNITY SCHOOLS

653 HAYES LEONARD RD
VALPARAISO, IN 46385



KEY PLAN

100% CD SET

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PROJECT
25-113
DATE
09/04/25
COORDINATED BY
JC
DRAWN BY
CC
CHECKED BY
DJ

DAVID G. JANNEY REGISTERED NO. 10302590 STATE OF INDIANA PROFESSIONAL ENGINEER

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REVISIONS

MARK	DATE	ISSUED FOR
AD-2	09/18/25	ADDENDUM NO. 2

DRAWING
UNIT "C" PLUMBING ROOF PLAN

PROJECT
VALE ADDITION AND RENOVATION

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SHEET
C
P-203

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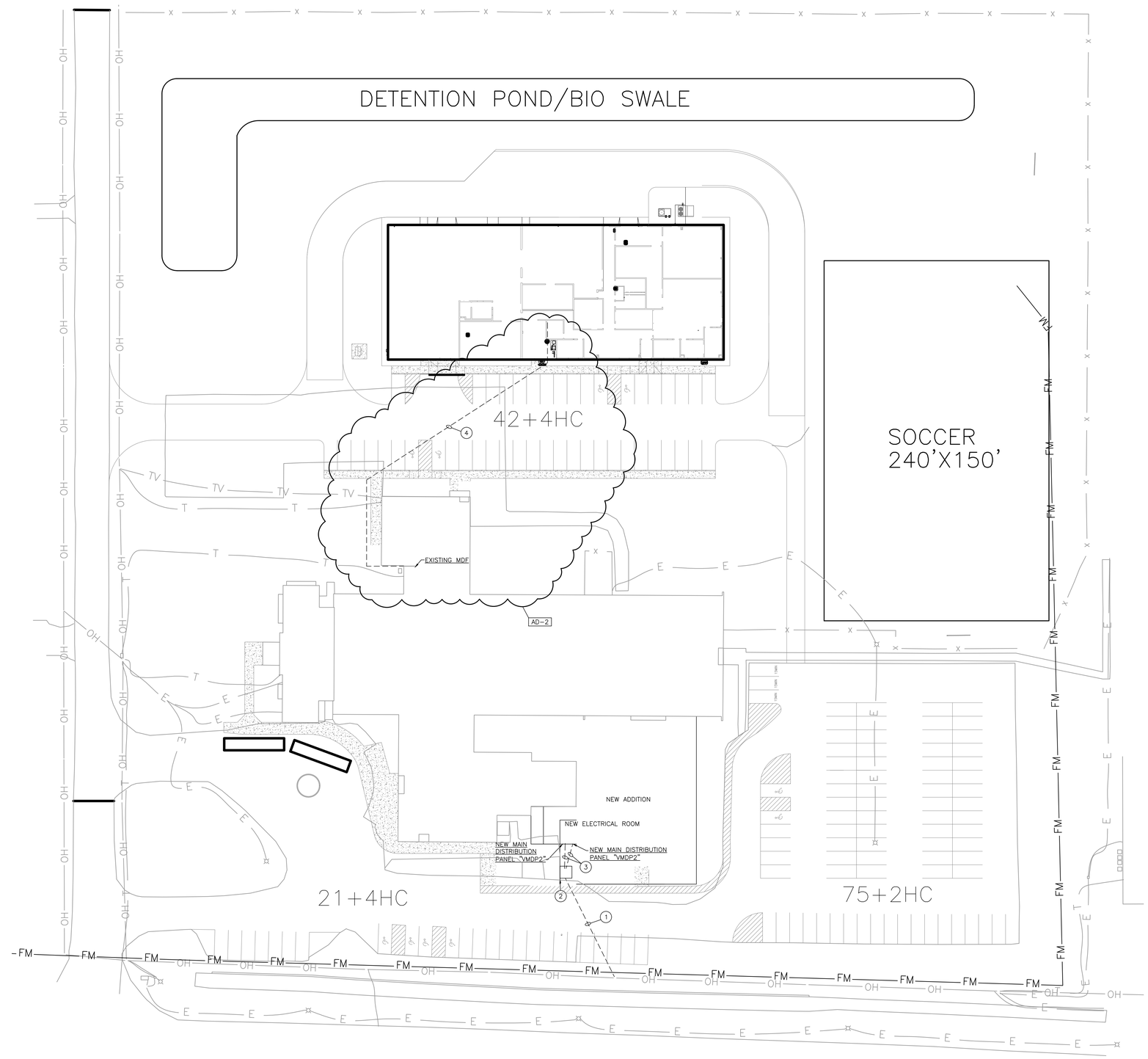
SITE PLAN NOTES - GENERAL

1. ALL WORK SHOWN ON THIS SHEET IS NEW AND BY THE ELECTRICAL TRADES, UNLESS OTHERWISE INDICATED.
2. RELOCATE OR REMOVE ANY OR ALL EXISTING SERVICES, POLES, ETC., AS MAY BE REQUIRED TO ACCOMMODATE NEW CONSTRUCTION, UNLESS OTHERWISE INDICATED.
3. COORDINATE LOCATIONS OF UNDERGROUND CONDUITS, HANDHOLES AND MANHOLES WITH OTHER SITE UTILITIES, UNDERGROUND DRAINS, SERVICES, STRUCTURES AND FINAL GRADING.
4. NOT ALL UTILITIES HAVE BEEN SHOWN. VERIFY LOCATIONS AND ROUTING OF ALL NEW AND EXISTING UTILITIES PRIOR TO ANY NEW WORK.
5. FOR ADDITIONAL GENERAL ELECTRICAL NOTES, SEE GENERAL ELECTRICAL PROJECT NOTES ON SHEET E-001.
6. SEE E-600 SHEETS FOR ELECTRICAL DETAILS AND SCHEDULES.
7. ALL RACEWAYS, PULL BOXES, ETC. FOR TECHNOLOGY CABLING PROVIDED BY DIVISION 26. CABLNG PROVIDED BY DIVISION 27. SEE TECHNOLOGY DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL INFORMATION AND PULL BOXES AND RACEWAY REQUIREMENTS.

ELECTRICAL SITE PLAN NOTES:

(THESE NOTES APPLY TO THIS SHEET ONLY)

1. NEW 4" CONDUIT FOR NEW INCOMING PRIMARY ELECTRICAL SERVICE.
2. NEW UTILITY COMPANY PAD MOUNTED TRANSFORMER.
3. NEW SECONDARY ELECTRICAL SERVICE. SEE POWER DISTRIBUTION DIAGRAM ON SHEET E-701 FOR FEEDER INFORMATION.
4. TECHNOLOGY SYSTEMS RACEWAYS AND CABLING PROVIDED AS PART OF THE NEW MAINTENANCE – IT BUILDING.



ELECTRICAL SITE PLAN

SCALE: 1" = 30'-0"

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DESIGN
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PROJECT

VALE ADDITION AND RENOVATION

VALPARAISO COMMUNITY SCHOOLS
653 HAYES LEONARD RD
VALPARAISO, IN 46385

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PROJECT 25-113
DATE 09/04/25
COORDINATED BY PCB
DRAWN BY PCB/JVC
CHECKED BY DJ

DAVID G. JANNEY REGISTERED NO. 10302590 STATE OF INDIANA PROFESSIONAL ENGINEER

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AD-2	09/18/25	ADDENDUM NO. 2

DRAWING
ELECTRICAL SITE PLAN

PROJECT
VALE ADDITION AND RENOVATION

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SHEET
ES101

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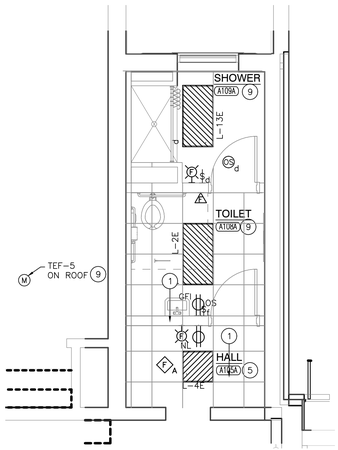
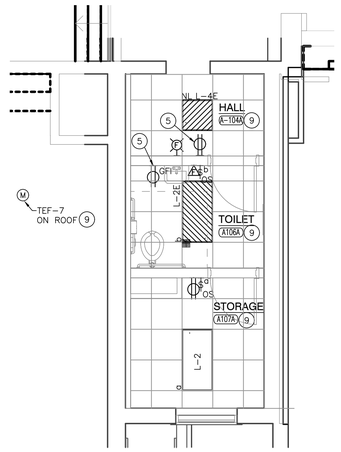


UNIT "A" NORTH TOILET ROOM ELECTRICAL PLAN - ALTERNATE

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



UNIT "A" SOUTH TOILET ROOM ELECTRICAL PLAN - ALTERNATE

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

GENERAL NOTES:

1. FOR ADDITIONAL GENERAL ELECTRICAL NOTES, SEE GENERAL ELECTRICAL PROJECT NOTES ON SHEET E-001.
2. SEE E-500, E-600 AND E-700 SHEETS FOR ELECTRICAL DETAILS, SCHEDULES AND ELECTRICAL DISTRIBUTION DIAGRAMS.
3. SEE TECHNOLOGY DRAWINGS FOR ADDITIONAL WORK. ROUTE ALL TECHNOLOGY CABLING IN CONDUIT. VERIFY EXACT LOCATIONS AND ELECTRICAL REQUIREMENTS WITH THE TECHNOLOGY INSTALLER, ARCHITECT, CONSTRUCTION MANAGER AND OWNER PRIOR TO ROUGHING-IN.
4. COORDINATE WITH DIVISION 23 INSTALLER/SUPPIER AND PROVIDE ANY CODE REQUIRED DISCONNECTS.

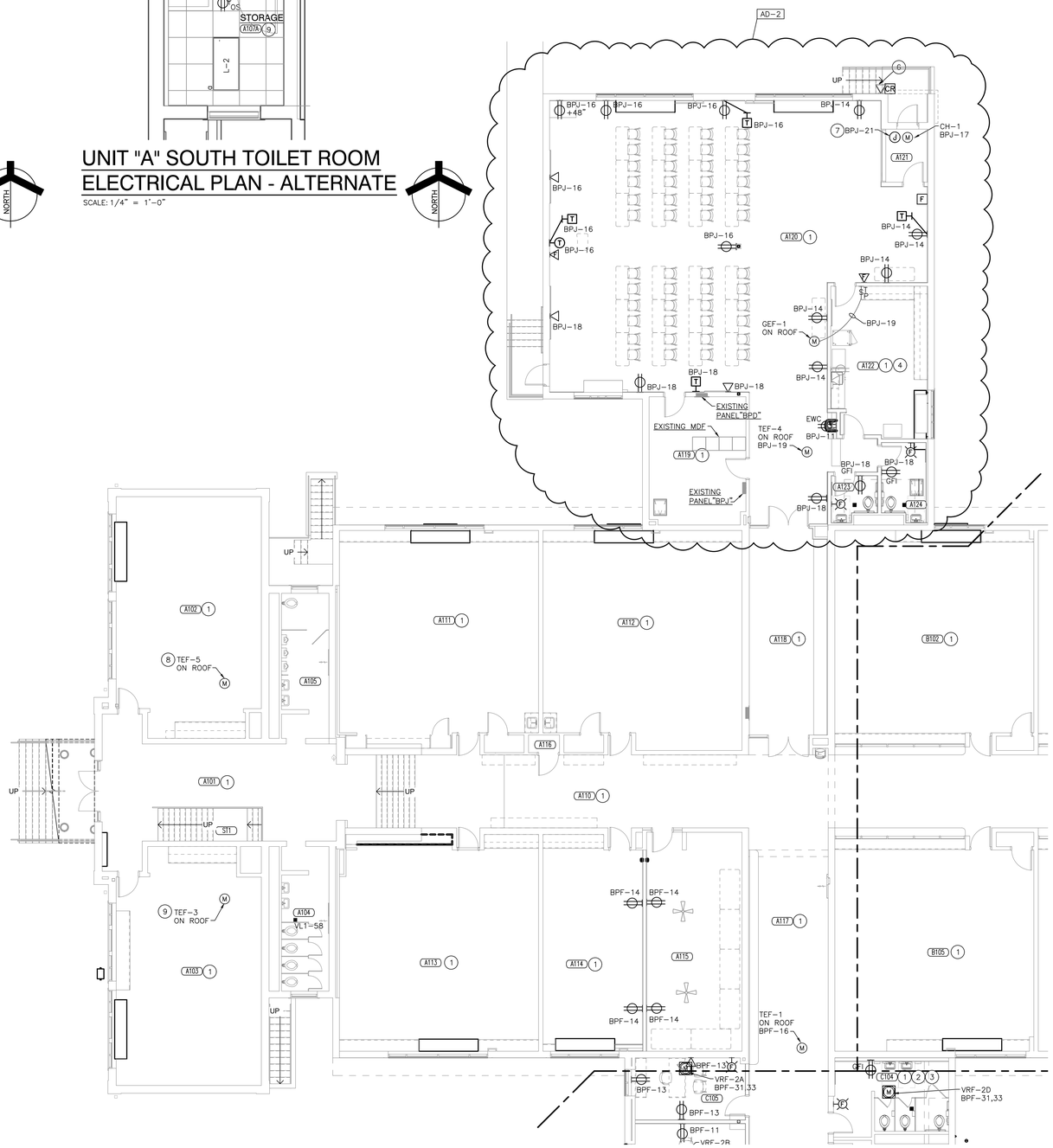
ELECTRICAL PLAN NOTES:

(THESE NOTES APPLY TO THIS SHEET ONLY)

1. REINSTALL EXISTING CEILING MOUNTED DEVICES IN THE NEW CEILINGS IN THIS ROOM.
2. CONNECT NEW GFI TYPE RECEPTACLE IN THIS ROOM TO THE EXISTING RECEPTACLE CIRCUIT SERVING THIS ROOM.
3. CONNECT NEW FIRE ALARM DEVICE IN THIS ROOM TO THE EXISTING FIRE ALARM CONTROL PANEL.
4. SEE ENLARGED ELECTRICAL PLAN ON SHEET E-401 FOR ADDITIONAL WORK IN THIS ROOM.
5. CONNECT NEW RECEPTACLE TO THE EXISTING RECEPTACLE CIRCUIT SERVING THIS AREA.
6. EXISTING AUDIO/VISUAL ENTRY STATION.
7. PROVIDE POWER CONNECTION FOR NEW CARD READER.
8. SEE ALTERNATE BID PLAN ON THIS SHEET FOR WORK IN THIS ROOM TO BE BID AS AN ALTERNATE BID.
9. CONNECT NEW EXHAUST FAN TO EXISTING EXHAUST FAN CIRCUIT AND CONTROLS.

ROOM LEGEND

ROOM NO.	ROOM NAME
A101	VESTIBULE
A102	DRESS FOR SCHOOL
A103	DRESS FOR SCHOOL
A104	WOMEN
A104A	HALL
A105	MEN
A105A	HALL
A106A	TOILET
A107A	STORAGE
A108A	TOILET
A109A	SHOWER
A110	CORRIDOR
A111	FITNESS
A112	CLASSROOM
A113	CLASSROOM
A114	PROM DRESS
A115	BACKPACKS
A116	JANITOR
A117	CORRIDOR
A118	CORRIDOR
A119	MDF
A120	PROFESSIONAL DEVELOPMENT
A121	VESTIBULE
A122	FACULTY LOUNGE
A123	TOILET
A124	TOILET



UNIT "A" FIRST FLOOR ELECTRICAL POWER PLAN

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

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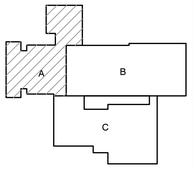
ARCHITECTURE ENGINEERING INTERIOR DESIGN

PROJECT

VALE ADDITION AND RENOVATION

VALPARAISO COMMUNITY SCHOOLS
653 HAYES LEONARD RD
VALPARAISO, IN 46385



KEY PLAN

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Phone 317.580.5777 Fax 317.580.5778

PROJECT 25-113
DATE 09/04/25
COORDINATED BY PCB
DRAWN BY PCB JVC
CHECKED BY DJ

DAVID G. JANNEY REGISTERED NO. 10302590 STATE OF INDIANA PROFESSIONAL ENGINEER

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REVISIONS

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DRAWING
UNIT "A" FIRST FLOOR ELECTRICAL POWER PLAN

PROJECT
VALE ADDITION AND RENOVATION

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SHEET A E-201

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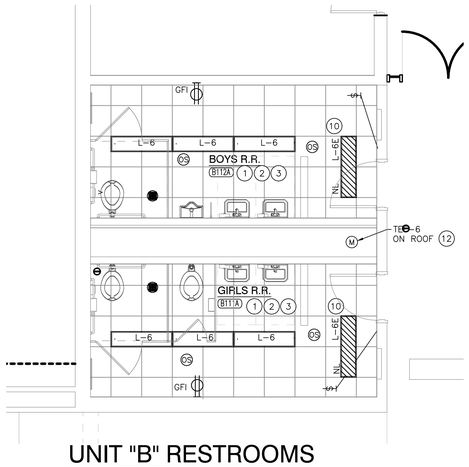


UNIT "B" RESTROOMS ELECTRICAL PLAN - ALTERNATE

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

NORTH

GENERAL NOTES:

1. FOR ADDITIONAL GENERAL ELECTRICAL NOTES, SEE GENERAL ELECTRICAL PROJECT NOTES ON SHEET E-001.
2. SEE E-500, E-600 AND E-700 SHEETS FOR ELECTRICAL DETAILS, SCHEDULES AND ELECTRICAL DISTRIBUTION DIAGRAMS.
3. SEE TECHNOLOGY DRAWINGS FOR ADDITIONAL WORK. ROUTE ALL TECHNOLOGY CABLING IN CONDUIT. VERIFY EXACT LOCATIONS AND ELECTRICAL REQUIREMENTS WITH THE TECHNOLOGY INSTALLER, ARCHITECT, CONSTRUCTION MANAGER AND OWNER PRIOR TO ROUGHING-IN.
4. COORDINATE WITH DIVISION 23 INSTALLER/SUPPIER AND PROVIDE ANY CODE REQUIRED DISCONNECTS.

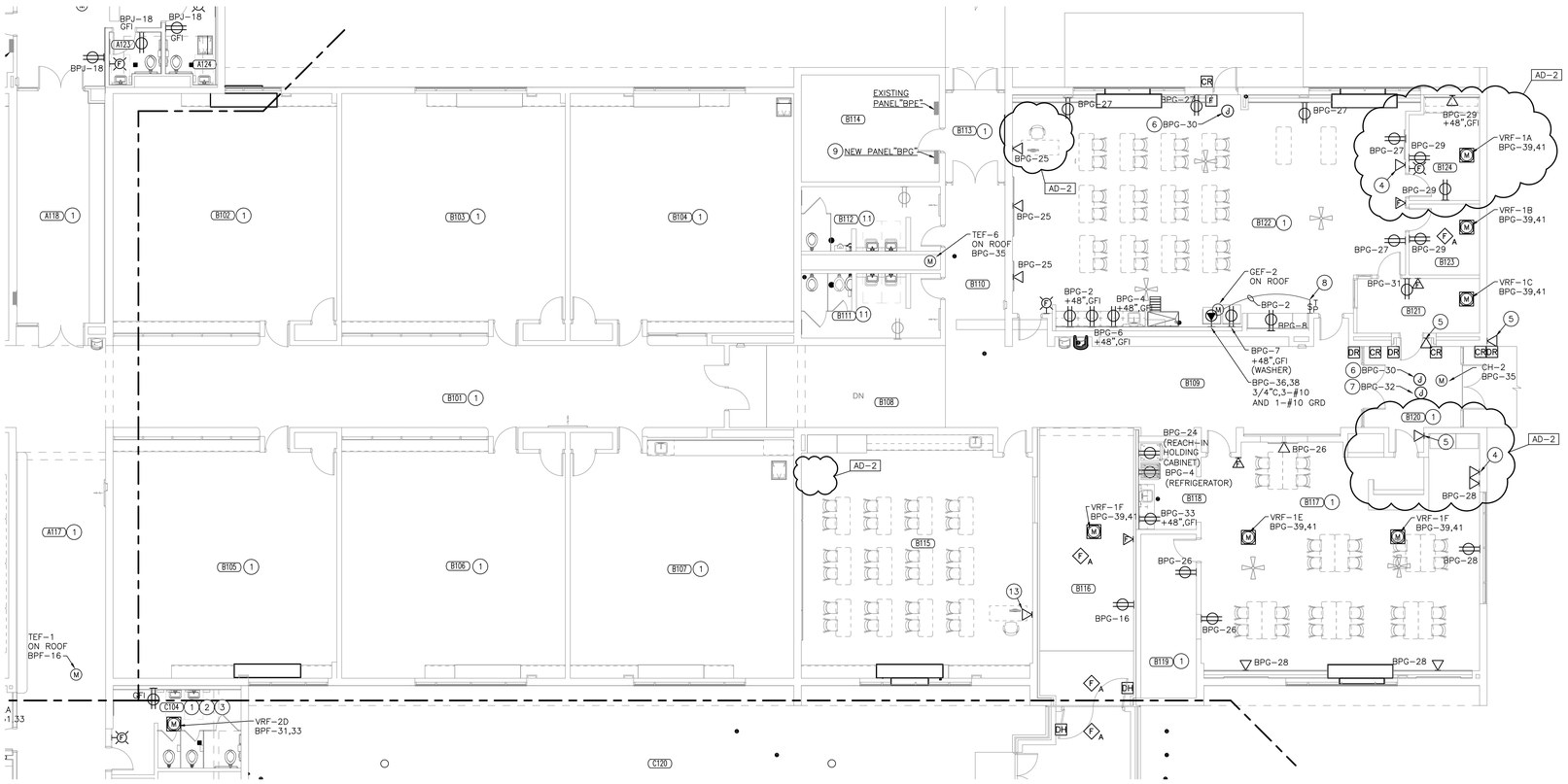
ELECTRICAL PLAN NOTES:

(THESE NOTES APPLY TO THIS SHEET ONLY)

1. REINSTALL EXISTING CEILING MOUNTED DEVICES IN THE NEW CEILINGS IN THIS ROOM.
2. CONNECT NEW GFI TYPE RECEPTACLE IN THIS ROOM TO THE EXISTING RECEPTACLE CIRCUIT SERVING THIS ROOM.
3. CONNECT NEW FIRE ALARM DEVICE IN THIS ROOM TO THE EXISTING FIRE ALARM CONTROL PANEL.
4. AUDIO/VISUAL MASTER STATION.
5. AUDIO/VISUAL ENTRY STATION.
6. PROVIDE ELECTRICAL CONNECTION FOR CARD READER.
7. PROVIDE ELECTRICAL CONNECTION FOR AUTOMATIC DOORS.
8. INTERMATIC FF60MC MINUTE WALL TIMER FOR GEF-2.
9. REPLACE EXISTING PANEL "BPG" WITH NEW PANEL "BPG". INTERCEPT EXISTING CIRCUITS SERVING EXISTING LIGHTS, DEVICES, EQUIPMENT THAT REMAIN AND EXTEND TO NEW PANEL "BPG". SEE POWER DISTRIBUTION DIAGRAMS ON SHEETS E-701 AND E-702 FOR ADDITIONAL INFORMATION.
10. CONNECT EMERGENCY/NIGHT LIGHT TO EXISTING LIGHTING CIRCUIT SERVING THIS ROOM AHEAD OF ANY CONTROLS.
11. SEE ALTERNATE BID PLAN ON THIS SHEET FOR WORK IN THIS ROOM TO BE BID AS AN ALTERNATE BID.
12. CONNECT NEW EXHAUST FAN TO EXISTING EXHAUST FAN CIRCUIT. (ALTERNATE BID).
13. CONNECT NEW RECEPTACLES TO EXISTING RECEPTACLE CIRCUIT SERVING THIS ROOM.

ROOM LEGEND

ROOM NO.	ROOM NAME
B101	CORRIDOR
B102	CLASSROOM
B103	CLASSROOM
B104	CLASSROOM
B105	CLASSROOM
B106	CLASSROOM
B107	CLASSROOM
B108	RAMP
B109	CORRIDOR
B110	CORRIDOR
B111	GIRLS R.R.
B112	BOYS R.R.
B113	VESTIBULE
B114	MECHANICAL
B115	I.T. CYBER
B116	RAMP
B117	MARKETING
B118	KITCHENETTE
B119	STORAGE
B120	VESTIBULE
B121	VESTIBULE
B122	VETERINARY TECH
B123	STORAGE
B124	EXAM ROOM



UNIT "B" FIRST FLOOR ELECTRICAL POWER PLAN

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

NORTH

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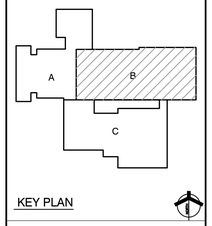
PROJECT

VALE ADDITION AND RENOVATION

VALPARAISO COMMUNITY SCHOOLS
653 HAYES LEONARD RD
VALPARAISO, IN 46385



KEY PLAN

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PROJECT 25-113
DATE 09/04/25
COORDINATED BY PCB
DRAWN BY PCB JVC
CHECKED BY DJ

DAVID G. JANNETT
REGISTERED
NO. 10302590
STATE OF INDIANA
PROFESSIONAL ENGINEER

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REVISIONS

MARK	DATE	ISSUED FOR
AD-2	09/18/25	ADDENDUM NO. 2

DRAWING
UNIT "B" FIRST FLOOR ELECTRICAL POWER PLAN

PROJECT
VALE ADDITION AND RENOVATION

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SHEET
B
E-202

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GENERAL NOTES:

1. FOR ADDITIONAL GENERAL ELECTRICAL NOTES, SEE GENERAL ELECTRICAL PROJECT NOTES ON SHEET E–001.
2. SEE E–500, E–600 AND E–700 SHEETS FOR ELECTRICAL DETAILS, SCHEDULES AND ELECTRICAL DISTRIBUTION DIAGRAMS.
3. SEE TECHNOLOGY DRAWINGS FOR ADDITIONAL WORK. ROUTE ALL TECHNOLOGY CABLING IN CONDUIT. VERIFY EXACT LOCATIONS AND ELECTRICAL REQUIREMENTS WITH THE TECHNOLOGY INSTALLER, ARCHITECT, CONSTRUCTION MANAGER AND OWNER PRIOR TO ROUGHING–IN.
4. COORDINATE WITH DIVISION 23 INSTALLER/SUPPIER AND PROVIDE ANY CODE REQUIRED DISCONNECTS.

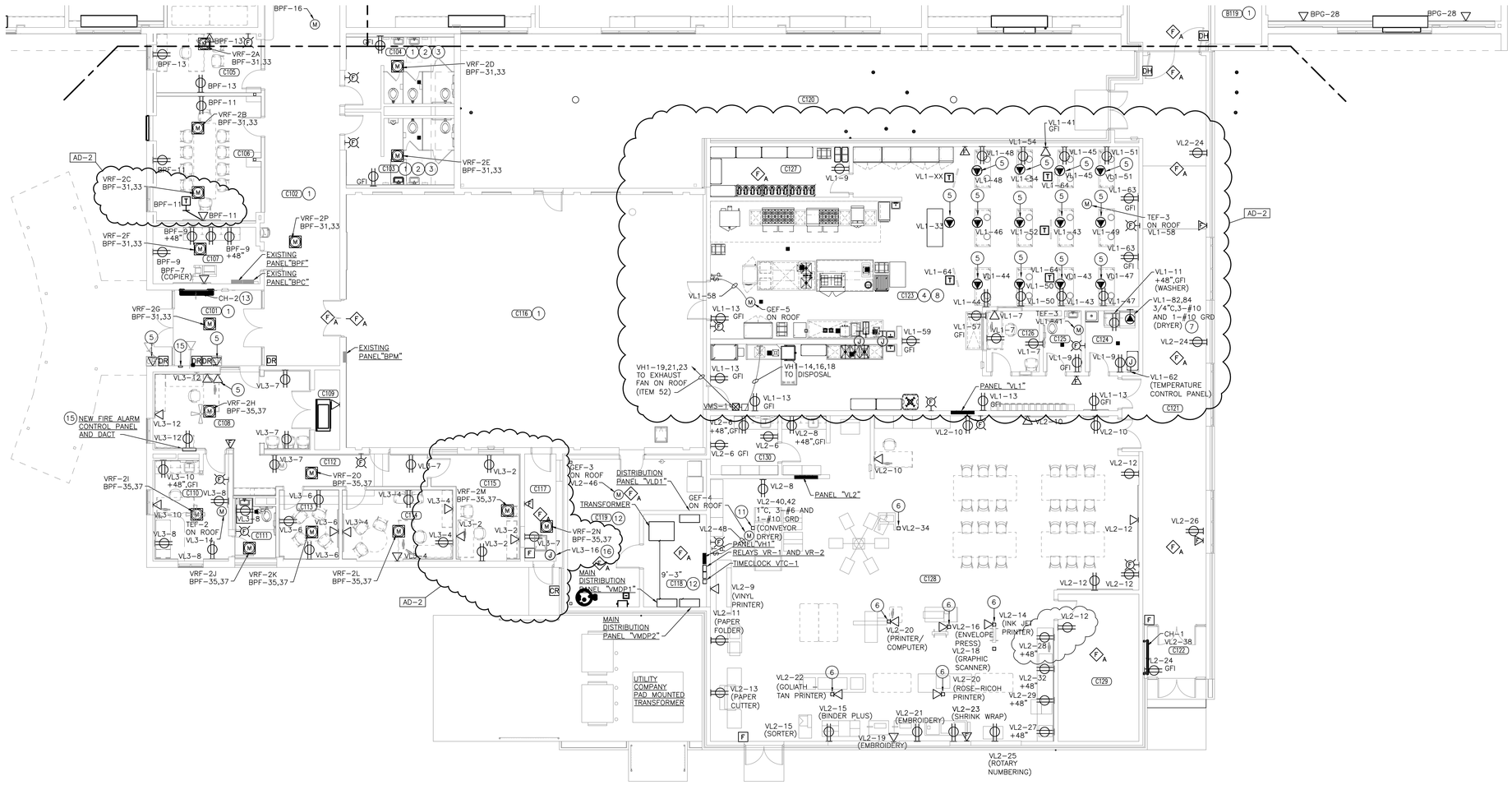
ELECTRICAL PLAN NOTES:

(THESE NOTES APPLY TO THIS SHEET ONLY)

1. REINSTALL EXISTING CEILING MOUNTED DEVICES IN THE NEW CEILINGS IN THIS ROOM.
2. CONNECT NEW GFI TYPE RECEPTACLE IN THIS ROOM TO THE EXISTING RECEPTACLE CIRCUIT SERVING THIS ROOM.
3. CONNECT NEW FIRE ALARM DEVICE IN THIS ROOM TO THE EXISTING FIRE ALARM CONTROL PANEL.
4. SEE FOOD SERVICE EQUIPMENT ELECTRICAL CONNECTION SCHEDULE FOR ELECTRICAL CONNECTIONS OF THE CULINARY ARTS EQUIPMENT. SEE CULINARY ARTS EQUIPMENT PLANS, SPECIFICATIONS, DETAILS, ETC FOR ADDITIONAL WORK IN THIS ROOM.
5. REEL CORD – SEE REELCORD DETAIL "B" ON SHEET E–501.
6. TELE/POWER POLE – SEE TELE/POWER POLE DETAIL A ON SHEET E–501.
7. COORDINATE WITH THE ACTUAL EQUIPMENT BEING PROVIDED AND PROVIDE THE APPROPRIATE DRYER RECEPTACLE.
8. ALL 120 VOLT RECEPTACLES IN THIS ROOM SHALL BE GFI TYPE RECEPTACLES.
9. EXISTING AI PHONE AUDIO/VIDEO INTERCOM ENTRY STATION.
10. RELOCATED AI PHONE AUDIO/VIDEO INTERCOM MASTER STATION.
11. TELE/POWER POLE – SEE TELE/POWER POLE DETAIL B ON SHEET E–501.
12. SEE ENLARGED PLAN ON SHEET E–401 FOR ADDITIONAL WORK IN THIS ROOM.
13. CONNECT NEW CABINET HEATER TO THE EXISTING FAN COIL (BEING REMOVED) CIRCUIT BREAKER.
14. PROVIDE NEW FIRE ALARM SYSTEM CONTROL PANEL TO REPLACE THE EXISTING FIRE ALARM SYSTEM CONTROL PANEL. INTERCEPT EXISTING FIRE ALARM SYSTEM WIRING AND EXTEND TO THE NEW FIRE ALARM SYSTEM CONTROL PANEL.
15. PROVIDE NEW FIRE ALARM SYSTEM REMOTE ANNUNCIATOR TO REPLACE THE EXISTING FIRE ALARM SYSTEM REMOTE ANNUNCIATOR. INTERCEPT EXISTING FIRE ALARM SYSTEM WIRING AND EXTEND TO THE NEW FIRE ALARM SYSTEM CONTROL PANEL.
16. PROVIDE ELECTRICAL CONNECTION FOR CARD READER.

ROOM LEGEND

ROOM NO.	ROOM NAME
C101	VESTIBULE
C102	CORRIDOR
C103	BOYS R.R.
C104	GIRLS R.R.
C105	OFFICE
C106	CONFERENCE ROOM
C107	WORK ROOM
C108	RECEPTION
C109	MECHANICAL
C110	CLINIC
C111	TOILET
C112	PASSAGE
C113	MEETING
C114	PRINCIPAL
C115	COUNSELOR/STAFF
C116	MULTIPUPOSE
C117	PASSAGE
C118	ELECTRICAL
C119	STORAGE
C120	COURTYARD
C121	CORRIDOR
C122	VESTIBULE
C123	CULINARY ARTS
C124	LAUNDRY/CUSTODIAN
C125	TOILET
C126	OFFICE
C127	STORAGE
C128	GRAPHIC ARTS
C129	STORAGE
C130	STORAGE



UNIT "C" FIRST FLOOR ELECTRICAL POWER PLAN

SCALE: 1/8" = 1'–0"

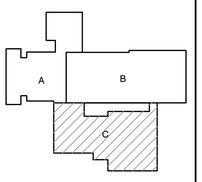
NORTH

GIBRALTAR DESIGN
ARCHITECTURE ENGINEERING INTERIOR DESIGN

PROJECT

VALE ADDITION AND RENOVATION

VALPARAISO COMMUNITY SCHOOLS
653 HAYES LEONARD RD
VALPARAISO, IN 46385



KEY PLAN

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PROJECT 25–113
DATE 09/04/25
COORDINATED BY PCB
DRAWN BY PCB JVC
CHECKED BY DJ

REGISTERED DAVID G. JANNEY NO. 10302590 STATE OF INDIANA PROFESSIONAL ENGINEER

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REVISIONS

MARK	DATE	ISSUED FOR
AD–2	09/18/25	ADDENDUM NO. 2

DRAWING
UNIT "C" FIRST FLOOR ELECTRICAL POWER PLAN

PROJECT
VALE ADDITION AND RENOVATION

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SHEET
C
E–203

Thursday, 9/18/2025 – 2:42 PM – LAST SAVED BY:JCHAMBERS
Y:\25–113 VALPARAISO CS – VALE ADDITION AND RENOVATION\25–113 DRAWINGS\06 MISC\ELEC\E–203.DWG

GENERAL NOTES:

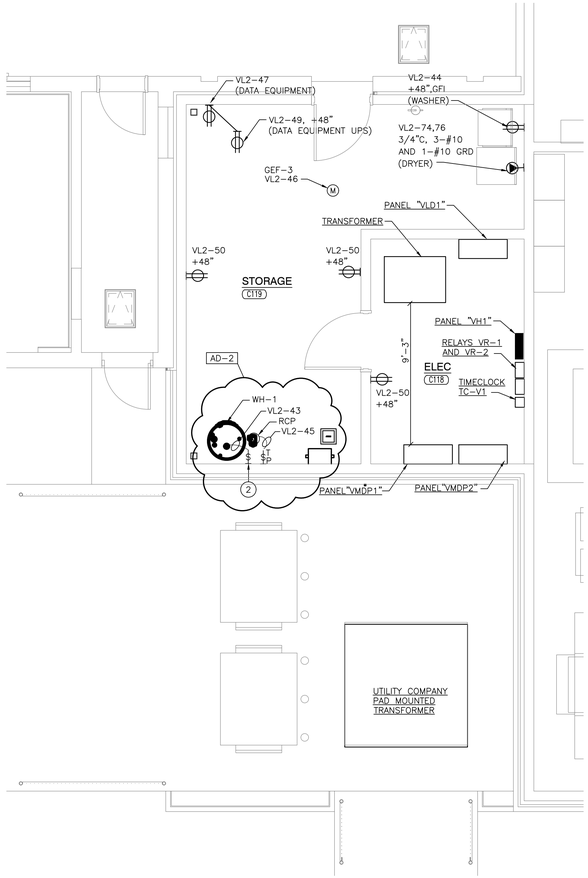
1. FOR ADDITIONAL GENERAL ELECTRICAL NOTES, SEE GENERAL ELECTRICAL PROJECT NOTES ON SHEET E-001.
2. SEE E-500, E-600 AND E-700 SHEETS FOR ELECTRICAL DETAILS, SCHEDULES AND ELECTRICAL DISTRIBUTION DIAGRAMS.
3. SEE TECHNOLOGY DRAWINGS FOR ADDITIONAL WORK. ROUTE ALL TECHNOLOGY CABLING IN CONDUIT. VERIFY EXACT LOCATIONS AND ELECTRICAL REQUIREMENTS WITH THE TECHNOLOGY INSTALLER, ARCHITECT, CONSTRUCTION MANAGER AND OWNER PRIOR TO ROUGHING-IN.

ELECTRICAL PLAN NOTES:

(THESE NOTES APPLY TO THIS SHEET ONLY)

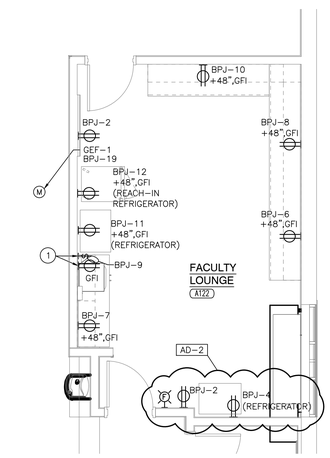
AD-2

1. PROVIDE WALL SWITCH ABOVE THE COUNTER WITH 1/8" ENGRAVED LETTERING "DISPOSAL" CONNECTED TO THE RECEPTACLE UNDER THE SINK FOR THE DISPOSAL.
2. PROVIDE 1/8" ENGRAVED LABELING ON THE DISCONNECT SWITCH FOR THE WATER HEATER "WATER HEATER DISCONNECT".



ENLARGED ELECTRICAL PLAN OF ELECTRICAL ROOM

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



ENLARGED ELECTRICAL PLAN OF FACULTY LOUNGE

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

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ARCHITECTURE ENGINEERING INTERIOR DESIGN

PROJECT

VALE ADDITION AND RENOVATION

VALPARAISO COMMUNITY SCHOOLS
653 HAYES LEONARD RD
VALPARAISO, IN 46385

100% CD SET

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AD-2	09/18/25	ADDENDUM NO. 2

DRAWING
ENLARGED ELECTRICAL PLANS

PROJECT
VALE ADDITION AND RENOVATION

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SHEET
E-401

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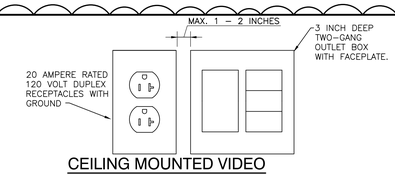
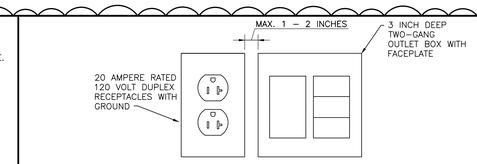


CEILING MOUNTED VIDEO PROJECTOR OUTLET DETAIL

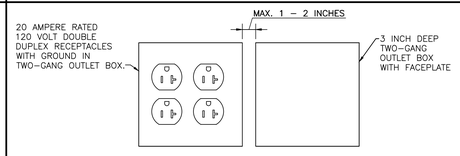
NOT TO SCALE SYMBOL: T X



TELEVISION/VIDEO OUTLET DETAIL

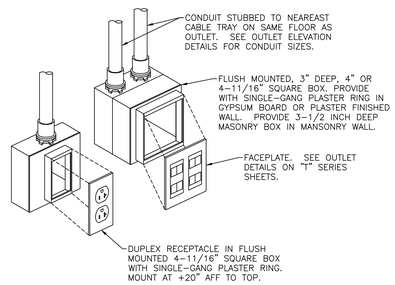
NOT TO SCALE SYMBOL: T X

AD–2



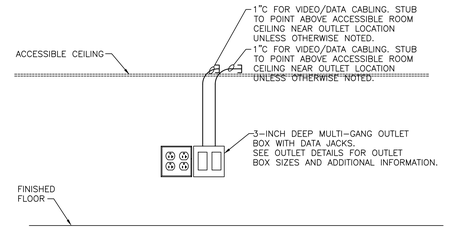
VOICE/DATA OUTLET DETAIL

NOT TO SCALE SYMBOL: X



TYPICAL FLUSH MOUNTED TELEVISION OUTLET DETAIL

NOT TO SCALE SYMBOL = T X

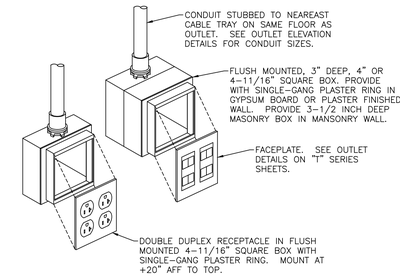


TYPICAL ELEVATION FOR WALL MOUNTED VOICE/DATA AND TELEVISION/VIDEO OUTLETS

NOT TO SCALE SYMBOL: T

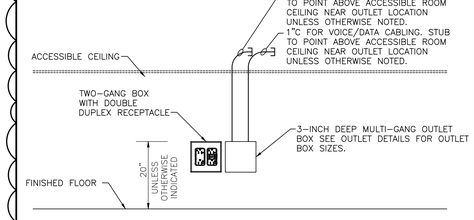
NOTE: WHERE ROOM CEILING IS OTHER THAN AN ACCESSIBLE TYPE CEILING (LAY–IN GRID, ETC.), VERIFY EXACT LOCATIONS OF THE CONDUITS AND JUNCTION BOXES ABOVE THE CEILING.

COORDINATE EXACT LOCATION AND HEIGHT OF OUTLETS WITH OWNER CONSTRUCTION MANAGER AND ARCHITECT PRIOR TO ROUGHING–IN.



TYPICAL FLUSH MOUNTED DATA OR VOICE/DATA OUTLET DETAIL

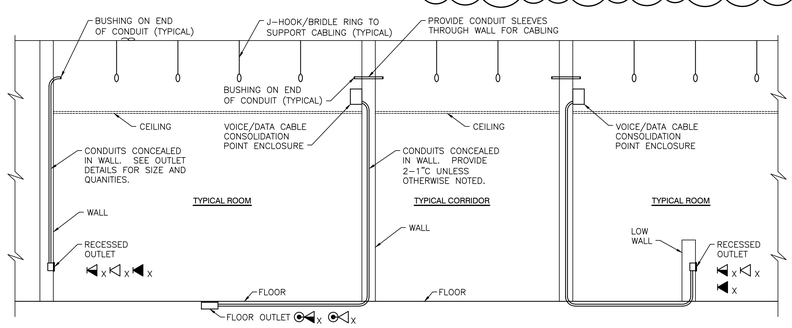
NOT TO SCALE SYMBOLS = X X W



TYPICAL ELEVATION FOR WALL MOUNTED DATA AND VOICE/DATA OUTLETS

NOT TO SCALE SYMBOLS= X X

NOTE: WHERE ROOM CEILING IS OTHER THAN AN ACCESSIBLE TYPE CEILING (LAY–IN GRID, ETC.), VERIFY EXACT LOCATIONS OF THE CONDUITS AND JUNCTION BOXES ABOVE THE CEILING.



TYPICAL VOICE AND DATA OUTLET AND RACEWAY DETAIL

NOT TO SCALE

NOTE: VERIFY OUTLET MOUNTING HEIGHTS, LOCATIONS, AND WALL AND CEILING CONDITIONS.

GIBRALTAR DESIGN
ARCHITECTURE ENGINEERING INTERIOR DESIGN

PROJECT

VALE ADDITION AND RENOVATION

VALPARAISO COMMUNITY SCHOOLS
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100% CD SET

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REVISIONS

MARK	DATE	ISSUED FOR
AD–2	09/18/25	ADDENDUM NO. 2

DRAWING
ELECTRICAL DETAILS

PROJECT
VALE ADDITION AND RENOVATION

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SHEET
E-502

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AD-2 VALE ELEMENTARY SCHOOL PANELBOARD SCHEDULE

MARK & TYPE
"VL1" - SECTION 1
TYPE: SQ D NQ OR APPROVED EQUAL
120/208V, 3 PH, 4W
400 AMP MAIN LUGS
NEMA 1
FLUSH MOUNTED

REMARKS
BRANCH CIRCUITS SHALL BE CIRCUIT BREAKERS.
CIRCUIT BREAKERS SHALL HAVE MINIMUM 22,000 AMP INTERRUPTING CAPACITY - TYPE QOB-VH.
TWO SECTION PANEL - BOTH SECTIONS SAME HEIGHT - SECTION 1 OF 2.
PROVIDE CIRCUITS 8,12,22,26,30,34,29,31,33,AND 35 WITH SHUNT TRIP BREAKERS.

DESCRIPTION	CKT	POLE	AMP	VA	A	B	C	DESCRIPTION	CKT	POLE	AMP	VA	A	B	C	DESCRIPTION
C123 LIGHTS	1	1	20	1.50			1.50									
				1.50			1.50									
C123 LIGHTS	3	1	20	1.50												
						1.50										
	5	1	20	1.50												
C126 RECPS	7	1	20		0.90		0.90									
C124,125,127 RECPS	9	1	20		0.36			0.36								
					1.50			1.50								
C124 RECP (WASHER)	11	1	20		1.50				1.50							
					1.50				1.50							
C123 RECPS	13	1	20		0.72		0.72									
					1.50		1.50									
REACH-IN REFRIGERATOR (ITEM 22)	15	1	20		1.50			1.50								
					1.50			1.50								
REACH-IN REFRIGERATOR (ITEM 23)	17	1	20		1.50				1.50							
					1.50				1.50							
REACH-IN REFRIGERATOR (ITEM 23)	19	1	20		1.50		1.50									
					1.50		1.50									
REACH-IN REFRIGERATOR (ITEM 23)	21	1	20		1.50			1.50								
					1.50			1.50								
EXHAUST HOOD (ITEM 18)	23	1	20		1.50				1.50							
					1.50				1.50							
HOT TOP (ITEM 16)	25	1	20		1.50		1.50									
					1.50		1.50									
SHUNT TRIP	27	1	20													
					1.50			1.50								
RANGE WITH GRIDDLE (ITEM 15)	29	1	20		1.50				1.50							
					1.50				1.50							
SHUNT TRIP	31	1	20			3.46	3.46									
RANGE (ITEM 21)	33	1	20		1.50			1.50								
SHUNT TRIP	35	1	20													
FRYER (ITEM 20)	37	1	20		1.50		1.50									
SHUNT TRIP	39	1	20													
TEF-1 (1/8 HP)	41	1	20		1.50			1.50								
						0.44			0.44							
TOTAL CONNECTED LOAD (kVA)				6.00	76.26	12.87	34.18	30.79	30.16							
TOTAL DEMAND LOAD (kVA)				6.00	43.13	12.87										

AD-2 VALE ELEMENTARY SCHOOL PANELBOARD SCHEDULE

MARK & TYPE
"VL1" - SECTION 2
TYPE: SQ D NQ OR APPROVED EQUAL
120/208V, 3 PH, 4W
400 AMP MAIN LUGS
NEMA 1
FLUSH MOUNTED

REMARKS
BRANCH CIRCUITS SHALL BE CIRCUIT BREAKERS.
CIRCUIT BREAKERS SHALL HAVE MINIMUM 22,000 AMP INTERRUPTING CAPACITY - TYPE QOB-VH.
TWO SECTION PANEL - BOTH SECTIONS SAME HEIGHT - SECTION 2 OF 2.
PROVIDE CIRCUIT 72,74 WITH SHUNT TRIP BREAKER.

DESCRIPTION	CKT	POLE	AMP	VA	A	B	C	DESCRIPTION	CKT	POLE	AMP	VA	A	B	C	DESCRIPTION
WORKSTATION REELCORD RECP	43	1	20		1.50		1.50									
					1.50		1.50									
WORKSTATION REELCORD RECP	45	1	20		1.50			1.50								
					1.50			1.50								
WORKSTATION REELCORD RECP	47	1	20		1.50				1.50							
					1.50				1.50							
WORKSTATION REELCORD RECP	49	1	20		1.50		1.50									
					1.50		1.50									
WORKSTATION REELCORD RECP	51	1	20		1.50			1.50								
					1.50			1.50								
WORKSTATION REELCORD RECP	53	1	20		1.50				1.50							
					1.50				1.50							
DEMO TABLE REELCORD	55	1	20		1.50		1.50									
					1.50		1.50									
C123 RECP	57	1	20		1.50			1.50								
						0.95		0.95								
C123 RECP	59	1	20		1.50				1.50							
					1.50				1.50							
SPARE	61	1	20													
						0.50	0.50									
C123 RECPS	63	1	20		1.50			1.50								
					0.72			0.72								
SPARE	65	1	20													
SPARE	67	1	20													
SPARE	69	1	20													
SPARE	71	1	20													
					3.10			3.10								
COFFEE BREWER/TEA BREWER (ITEM 26)	73	2	50		3.50		3.50									
	75				3.10		3.10									
					3.50			3.50								
DROP-IN WELL UNIT (ITEM 11)	77	2	15			1.00			1.00							
	79					1.00	1.00									
PASS-THRU HEATED CABINET (ITEM 47) (7.3 A.)	81	2	15			0.76		0.76								
	83					2.00		2.00								
						0.76			0.76							
						2.00			2.00							

DESCRIPTION	CKT	POLE	AMP	A	B	C	DESCRIPTION
WORKSTATION REELCORD RECP	44	1	20				WORKSTATION REELCORD RECP
WORKSTATION REELCORD RECP	46	1	20				WORKSTATION REELCORD RECP
WORKSTATION REELCORD RECP	48	1	20				WORKSTATION REELCORD RECP
WORKSTATION REELCORD RECP	50	1	20				WORKSTATION REELCORD RECP
WORKSTATION REELCORD RECP	52	1	20				WORKSTATION REELCORD RECP
WORKSTATION REELCORD RECP	54	1	20				WORKSTATION REELCORD RECP
DISHWASHER (ITEM 40)	56	1	20				
TEF-3 ((1/8 HP) GEF-5 (1/8 HP)	58	1	20				
ROOF RECPS	60	1					
C124 TEMPERATURE CONTROL PANEL	62	1	20				
C123 RECPS (TV MONITORS)	64	1	20				
SPARE	66	1	20				
SPARE	68	1	20				
SPARE	70	1	20				
ELECTRIC RANGE (ITEM 16)(29.4 AMPS)	72	2	50				
	74						
SHUNT TRIP	76	1	20				
VRF BOXES	78	2	20				
	80						
C124 RECP (DRYER)	82	2	30				
	84						

CULINARY ARTS EQUIPMENT ELECTRICAL CONNECTION SCHEDULE

MARK	EQUIPMENT	PHASE	VOLTS	NO. REQ'D	FLA	KW	HP	BRANCH CIRCUIT	CONDUIT	WIRE	GRD	CONNECTION DIRECT	CONNECTION PLUG	NOTES
4	MIXER	1	120	4	15.00									
9	ISLAND WORK TABLE	1	120	1			1.50	VL1-24	3/4"	#12	#12		X	1,3,5
	ISLAND WORK TABLE	1	120	1			1.50	VL1-26	3/4"	#12	#12		X	1,3,5
	ISLAND WORK TABLE	1	120	1			1.50	VL1-28	3/4"	#8	#8		X	1,3,5
	ISLAND WORK TABLE	1	120	1			1.50	VL1-30	3/4"	#12	#12		X	1,3,5
10	CHEF'S COUNTER	1	120	1			1.50	VL1-18	3/4"	#12	#12		X	1,3,5
11	DROP-IN HOT WELL UNIT	1	208	1	2.70			VL1-77,79	3/4"	#8	#8	X		2,5
12	RETHERMALIZER	1	120	1	6.70			VL1-20	3/4"	#12	#12		X	1,3,5
13	REFRIGERATED PREP TABLE	1	120	1	5.80			VL1-22	3/4"	#12	#12		X	1,3,5
15	RANGE	1	120	1				VL1-29	3/4"	#12	#12		X	1,3,5
16	HOP TOP	1	120	1				VL1-25	3/4"	#12	#12		X	1,3,5
18	EXHAUST HOOD	1	120	1	16.00			VL1-23	3/4"	#12	#12	X		2,5
19	CONVECTION OVEN	1	208	1	7.90			VL1-32	3/4"	#10	#10		X	1,3,5
	CONVECTION OVEN	1			7.90			VL1-34	3/4"	#12	#12		X	1,3,5
20	FRYER	1	120	1				VL1-37	3/4"	#12	#12		X	1,3,5
21	RANGE	1	120	1				VL1-33	3/4"	#12	#12		X	1,3,5
22	SINGLE DOOR REACH-IN REFRIGERATOR	1	120	2	6.30			VL1-15	3/4"	#12	#12		X	1,3,5
23	TWO-DOOR REACH-IN REFRIGERATOR	3	120		3.20			VL1-17	3/4"	#12	#12		X	1,3,5
	TWO-DOOR REACH-IN REFRIGERATOR		120	1				VL1-19	3/4"	#12	#12		X	1,3,5
	TWO-DOOR REACH-IN REFRIGERATOR		120	1				VL1-21	3/4"	#12	#12		X	1,3,5
26	COFFEE BREWER/TEA BREWER	1	208	1	34.00			VL1-73,75	3/4"	#12	#12	X		2,5
29	BLENDER	2	120	2				VL1-10	3/4"	#12	#12		X	1,3,5
	BLENDER	1	120					VL1-10	3/4"	#12	#12		X	1,3,5
30	ICE MACHINE	1	120	1	5.00			VL1-12	3/4"	#12	#12	X		2,5
39	DISPOSER	1	480	3			2.00	VH1-14,16	3/4"	#12	#12	X		2,5
40	DISHWASHER	1	120	1	15.00			VL1-56	3/4"	#12	#12	X		2,5
45	WASHER	1	120	1				VL1-11	3/4"	#12	#12		X	1,3,5
	DRYER	1	208	1				VL1-82,84	3/4"	#12	#12		X	1,5
46	SINGLE DOOR PASS-THRU REFRIGERATOR	1	120	1	3.80			VL1-24	3/4"	#12	#12		X	1,3,5
47	HEATED CABINET/PROOFER	1	120	1	16.00			VL1-16	3/4"	#12	#12		X	1,3,5
52	EXHAUST FAN	1	480	3			5.00	VH1-19,21	3/4"	#10	#10	X		2,5
53	MAKE UP AIR UNIT	1	480	3			5.00	VH1-20,22	3/4"	#12	#12	X		2,5
56	TWO-DOOR REACH-IN REFRIGERATOR	1	120	1				VL1-24	3/4"	#12	#12		X	1,3,5
7	STUDENT WORK STATION	12	120	1				VL1-43	3/4"	#12	#12		X	1,4,5
	STUDENT WORK STATION		120	1				VL1-45	3/4"	#12	#12		X	1,4,5
	STUDENT WORK STATION		120	1				VL1-47	3/4"	#12	#12		X	1,4,5
	STUDENT WORK STATION		120	1				VL1-49	3/4"	#12	#12		X	1,4,5
	STUDENT WORK STATION		120	1				VL1-51	3/4"	#12	#12		X	1,4,5
	STUDENT WORK STATION		120	1				VL1-55	3/4"	#12	#12		X	1,4,5
	STUDENT WORK STATION		120	1				VL1-44	3/4"	#12	#12		X	1,4,5
	STUDENT WORK STATION		120	1				VL1-46	3/4"	#12	#12		X	1,4,5
	STUDENT WORK STATION		120	1				VL1-48	3/4"	#12	#12		X	1,4,5
	STUDENT WORK STATION		120	1				VL1-50	3/4"	#12	#12		X	1,4,5
	STUDENT WORK STATION		120	1				VL1-52	3/4"	#12	#12		X	1,4,5
	STUDENT WORK STATION		120	1				VL1-54	3/4"	#12	#12		X	1,4,5
E8	DEMO TABLE	1	120	1				VL1-55	3/4"	#12	#12		X	1,4,5
	DUPLEX RECEPTACLES								3/4"	#12	#12		X	1,3

NOTES:
1. PROVIDE THE APPROPRIATE RECEPTACLE TO MATCH CORD AND PLUG ON EQUIPMENT.
2. PROVIDE THE APPROPRIATE HARD WIRED CONNECTION
3. PROVIDE GFI TYPE RECEPTACLE AS SHOWN ON THE DRAWINGS
4. FED FROM REEL CORD (SEE ELECTRICAL DRAWINGS)
5. SEE CULINARY ARTS DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS FOR THE ELECTRICAL CONNECTIONS.

AD-2 VALE ELEMENTARY SCHOOL PANELBOARD SCHEDULE

MARK & TYPE
"VL2" - SECTION 1
TYPE: SQ D NQ OR APPROVED EQUAL
120/208V, 3 PH, 4W
225 AMP MAIN LUGS
NEMA 1
FLUSH MOUNTED

REMARKS
BRANCH CIRCUITS SHALL BE CIRCUIT BREAKERS.
CIRCUIT BREAKERS SHALL HAVE MINIMUM 22,000 AMP INTERRUPTING CAPACITY - TYPE QOB-VH.
TWO SECTION PANEL - BOTH SECTIONS SAME HEIGHT - SECTION 1 OF 2.

DESCRIPTION	CKT	POLE	AMP	A	B	C	DESCRIPTION	CKT	POLE	AMP	A	B	C	DESCRIPTION
C128 LIGHTS	1	1	20	1.50		1.50								
				1.50		1.50								
C128 LIGHTS	3	1	20	1.50			1.50							
					1.00		2.00							
C128 LIGHTS	5	1	20	1.50				1.50						
SPARE	7	1	20		0.54			0.54						
C128 RECPS	9	1	20		0.36		0.36							
C128 RECP (VINYL PRINTER)	9	1	20		1.50			1.50						
C128 RECPS					1.08			1.08						
C128 RECP (BAUM PAPER FOLDER)	11	1	20		1.50				1.50					
C128,129 RECPS					0.90				0.90					
C128 RECP (PAPER CUTTER)	13	1	20		1.50		1.50							
C128 RECP (INK JET PRINTER)					1.50		1.50							
C128 RECP (SORTER)	15	1	20		1.50			1.50						
C128 RECP (ENVELOPE PRESS)					1.50			1.50						
C128 RECP (BINDER PLUS)	17	1	20		1.50				1.50					
C128 RECP (GRAPHIC SCANNER)					1.50				1.50					
C128 RECP (EMBROIDERY)	19	1	20		1.50		1.50							
C128 RECP (PRINTER/COMPUTER)					1.50		1.50							
C128 RECP (EMBROIDERY)	21	1	20		1.50			1.50						
C128 RECP (GOLIATH TAN PRINTER)					1.50			1.50						
C128 RECP (SHRINK WRAP)	23	1	20		1.50				1.50					
C128 RECP (ROTARY NUMBERING)					0.36				0.36					
C128 RECP	25	1	20		0.54		0.54							
C128 RECP	27	1	20		1.50			1.50						
C128 RECP	29	1	20		1.50			1.50						
					1.50				1.50					
SPARE	31	1	20		1.50		1.50							
SPARE	33	1	20											
SPARE	35	1	20											
SPARE	37	1	20											
RECP (COPIER)	39	2	20		1.00			1.00						
					1.00			1.00						
	41				1.00				1.00					
					1.00				1.00					
TOTAL CONNECTED LOAD (kVA)				7.00	47.62	3.45	19.44	21.03	17.80					
TOTAL DEMAND LOAD (kVA)				7.00	28.91	3.45								

AD-2 VALE ELEMENTARY SCHOOL PANELBOARD SCHEDULE

MARK & TYPE
"VL2" - SECTION 2
TYPE: SQ D NQ OR APPROVED EQUAL
120/208V, 3 PH, 4W
225 AMP MAIN LUGS
NEMA 1
FLUSH MOUNTED

REMARKS
BRANCH CIRCUITS SHALL BE CIRCUIT BREAKERS.
CIRCUIT BREAKERS SHALL HAVE MINIMUM 22,000 AMP INTERRUPTING CAPACITY - TYPE QOB-VH.
TWO SECTION PANEL - BOTH SECTIONS SAME HEIGHT - SECTION 2 OF 2.

DESCRIPTION	CKT	POLE	AMP	A	B	C	DESCRIPTION	CKT	POLE	AMP	A	B	C	DESCRIPTION
WH-1	43	1	20			1.50	1.50							
				1.50										
RCP	45	1	20		1.50		1.50							
						0.44	0.44							
C119 RECP (DATA EQUIPMENT)	47	1	20		1.50			1.50						
C119 RECP (DATA EQUIPMENT)(UPS)	49	1	20		1.50		1.50							
					0.54		0.54							
SPARE	51	1	20											
SPARE	53	1	20											
SPARE	55	1	20											
SPARE	57	1	20											
SPARE	59	1	20											
SPARE	61	1	20											
SPARE	63	1	20											
SPARE	65	1	20											
SPARE	67	1	20											
SPARE	69	1	20											
SPARE	71	1	20											
SPARE	73	1	20											
					2.00		2.00							
SPARE	75	1	20											
					2.00			2.00						
SPARE	77	1	20		1.00				1.00					
SPARE	79	1	20		1.00		1.00							
SPARE	81	1	20		1.00			1.00						
SPARE	83	1	20		1.00				1.00					

DESCRIPTION	CKT	POLE	AMP	A	B	C	DESCRIPTION
C119 RECP (WASHER)	44	1	20				
RCP	46	1	20				GEF-3 (1/8 HP)
GEF-4 (1 HP)	48	1	25				
C118,119 RECPS	50	1	20				
SPARE	52	1	20				
SPARE	54	1	20				
SPARE	56	1	20				
SPARE	58	1	20				
SPARE	60	1	20				
SPARE	62	1	20				
SPARE	64	1	20				
SPARE	66	1	20				
SPARE	68	1	20				
SPARE	70	1	20				
SPARE	72	1	20				
C119 RECP (DRYER)	74	2	30				
	76						
PRINTER	78	2	20				
	80						
PRINTER	82	2	30				
	84						

AD-2 VALE ELEMENTARY SCHOOL PANELBOARD SCHEDULE

MARK & TYPE
"VL3"
TYPE: SQ D NQ OR APPROVED EQUAL
120/240V, 1 PH, 3W
225 AMP MAIN LUGS
NEMA 1
SURFACE MOUNTED

REMARKS
BRANCH CIRCUITS SHALL BE CIRCUIT BREAKERS.
CIRCUIT BREAKERS SHALL HAVE MINIMUM 22,000 AMP INTERRUPTING CAPACITY - TYPE QOB-VH.
REPLACES EXISTING PANEL "BPK". INTERCEPT EXISTING CIRCUITS SERVING EXISTING EQUIPMENT THAT REMAINS AND EXTEND TO NEW PANEL "VL3".

DESCRIPTION	CKT	POLE	AMP	A	B	C	DESCRIPTION	CKT	POLE	AMP	A	B	C	DESCRIPTION
C108,109,112 LIGHTS	1	1	20	0.43		0.43								
					1.08		1.08							
SOUTH ENTRANCE LIGHTS	3	1	20	1.00			1.00							
					1.26			1.26						
C110,111,113,114,115 LIGHTS	5	1	20	0.66			0.66							
					0.90		0.90							
C108,112,117 RECPS	7	1	20		0.90			0.90						
					0.72			0.72						
	9	1	20											
					0.54		0.54							
??	11	2	20			1.00		1.00						
					0.90			0.90						
	13					1.00	1.00							
						1.00	1.00							
??	15	2	20			1.00		1.00						
	17					1.00	1.00							
SPARE	19	1	20											
MICROWAVE	21	2	20		1.00		1.00							
	23				1.00			1.00						
AIR CONDITIONER ROOF	25	2	30			2.00	2.00							
	27					2.00		2.00						
??	29	2	50			4.00	4.00							
	31					4.00		4.00						
??	33	1	20		1.00		1.00							
??	35	1	20		1.00			1.00						
??	37	1	20		1.00		1.00							
??	39	1	20		1.00			1.00						
??	41	1	20		1.00		1.00							
TOTAL CONNECTED LOAD (kVA)				2.09	13.30	18.00	16.61	16.78						
TOTAL DEMAND LOAD (kVA)				2.09	11.65	18.00								

DESCRIPTION	CKT	POLE	AMP	A	B	C	DESCRIPTION
CARD READER	16	1	20				
SPARE	18	1	20				
SPARE	20	1	20				
SPARE	22	1	20				
SPARE	24	1	20				
SPARE	26	1	20				
SPARE	28	1	20				
SPARE	30	1	20				
SPARE	32	1	20				
SPARE	34	1	20				
SPARE	36	1	20				
SPARE	38	1	20				
SPARE	40	1	20				
SPARE	42	1	20				

PANEL SCHEDULE

MARK & TYPE	CKTS	BREAKER OR SWITCH	FRAME OR FUSE	REMARKS
VMDP1 SIEMENS P5 OR APPROVED EQUAL 120/208V, 3Ø, 4W 800 AMP MAIN LUGS FREE STANDING FRONT ACCESSIBLE	M1 M2 M3	3P-60 3P-110 3P-600	– – –	SINGLE SECTION CIRCUIT BKR PANELBOARD SECTION ONE: 32"W X 90"H X 12.75"D MAIN CIRCUIT BREAKER 1 IS A SPARE MAIN CIRCUIT BREAKER 2 IS FOR RTU-1 MAIN CIRCUIT BREAKER 3 IS FOR EXISTING PANEL "MSB". PROVIDE PANELBOARD WITH INTEGRAL SPDS ALL CIRCUIT BREAKERS SHALL BE RATED FOR 100,000 AMP INTERRUPTING CAPACITY. PANEL SHALL BE RATED FOR SERVICE ENTRANCE AND HAVE 100,000 AMP INTERRUPTING CAPACITY. PROVIDE ADDITIONAL LABELING FOR NEW MAIN DISTRIBUTION PANEL "VMDP1". TO READ "ALL CIRCUIT BREAKERS IN THIS PANELBOARD ARE MAINS. ALL MAIN CIRCUIT BREAKERS IN THIS PANELBOARD AND THE MAIN CIRCUIT BREAKER IN ADJACENT MAIN PANELBOARD "VMDP2" WILL NEED TO BE TURN OFF TO TURN OFF POWER TO THE BUILDING."
VMDP2 SIEMENS P5 OR APPROVED EQUAL 120/208V, 3Ø, 4W 800 AMP MAIN BKR FREE STANDING FRONT ACCESSIBLE	M4 1 2 3 4 5 6	3P-800 3P-100 3P-100 3P-400 3P-400 3P-200 3P-200	– – – – SPACE – –	SINGLE SECTION PANELBOARD SECTION ONE: 32"W X 90"H X 12.75"D MAIN CIRCUIT BREAKER IS FOR CIRCUITS 1-6. PROVIDE PANELBOARD WITH INTEGRAL SPDS ALL CIRCUIT BREAKERS SHALL BE RATED FOR 100,000 AMP INTERRUPTING CAPACITY. PANEL SHALL BE RATED FOR SERVICE ENTRANCE AND HAVE 100,000 AMP INTERRUPTING CAPACITY. PROVIDE ADDITIONAL LABELING FOR NEW MAIN DISTRIBUTION PANEL "VMDP2". TO READ "THE MAIN CIRCUIT BREAKER IN THIS MAIN PANELBOARD "VMDP2" AND THE MAIN CIRCUIT BREAKERS IN THE ADJACENT MAIN DISTRIBUTION PANELBOARD "VMDP1" WILL NEED TO BE TURN OFF TO TURN OFF POWER TO THE BUILDING."
VLD1 SIEMENS P5 OR APPROVED EQUAL 120/208V, 3Ø, 4W 800 AMP MAIN BKR FREE STANDING FRONT ACCESSIBLE	M 1 2 3 4 5 6 7 8	3P-800 3P-225 3P-200 3P-200 3P-200 3P-200 3P-200 3P-400 3P-400	– – – – – SPACE SPACE – SPACE	SINGLE SECTION PANELBOARD SECTION ONE: 32"W X 90"H X 12.75"D MAIN CIRCUIT BREAKER IS FOR CIRCUITS 1-8. PROVIDE PANELBOARD WITH INTEGRAL SPDS ALL CIRCUIT BREAKERS SHALL BE RATED FOR 65,000 AMP INTERRUPTING CAPACITY. PANEL SHALL BE RATED 65,000 AMP INTERRUPTING CAPACITY.

GIBRALTAR DESIGN
ARCHITECTURE ENGINEERING INTERIOR DESIGN

PROJECT
VALE ADDITION AND RENOVATION

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PROJECT 25-113
DATE 09/04/25
COORDINATED BY PCB
DRAWN BY PCB/JVC
CHECKED BY DJ

REGISTERED DAVID G. JANNEY NO. 10302590 STATE OF INDIANA PROFESSIONAL ENGINEER

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VALE ELEMENTARY SCHOOL PANELBOARD SCHEDULE

MARK & TYPE

"BPF"
TYPE: EXISTING SQUARE D NQOD
120/208V, 3 PH, 4W
225 AMP MAIN LUGS
NEMA 1
SURFACE MOUNTED

REMARKS

EXISTING SQUARE D NQOD PANELBOARD
REPLACE FOUR (4) EXISTING 1P-20 AMP CIRCUIT BREAKERS (CIRCUITS 31,33,35 AND 37) WITH TWO (2) NEW 2P-15 AMP CIRCUTI BREAKERS (CIRCUITS 31,33 AND 35,37).
REPLACE ONE (1) 1P-20 AMP CIRCUIT BREAKER (CIRCUIT 16) WITH ONE (1) NEW 1P-30 AMP CIRCUIT BREAKER (CIRCUIT 16)
8/9/1997

DESCRIPTION	CIR	POLE	TRIP	LTS	REC	EQUIP	A	B	C	HEAT	A/C	FUTR	POLE	TRIP	CIR	DESCRIPTION
FCU-HL3 (0.08 HP)	1	1	20			0.34	0.34									
													1	20	2	WORKROOM NW RECPS
UV-HL21 (1/4 HP)	3	1	20			0.67		0.67								
													1	20	4	WORKROOM NE RECPS
C107 RECPS (COPIER)	5	1	20		1.50				1.50							
													1	20	6	WORKROOM SE RECPS
C107 RECPS	7	1	20		0.72		0.72									
													1	20	8	WORKROOM S RECPS
C107 RECPS	9	1	20		0.72			0.72								
													1	20	10	ROOM 24 SW CORNER RECPS
C106 RECPS	11	1	20		0.72				0.72							
													1	20	12	VIDEO TECH POWER SUPPLY ON SOUTH WALL
C105 RECPS	13	1	20		0.72		0.72									
													1	20	14	**A114,115 RECPS**
ROOF RECPS	15	1	20		0.36			0.36								
													1	**30**	**16**	**TEF-1 (1 HP)**
SPARE	17	1	20													
													1	20	18	SPARE
SPARE	19	1	20													
													1	20	20	SPARE
SPARE	21	1	20													
													1	20	22	SPARE
SPARE	23	1	20													
													1	20	24	SPARE
RTU RECP	25	1	20													
						3.05	3.05						3	50	26	AHU-1 (7 1/2 HP)
RTU OFFICE BLOWER	27	2	45													
						3.05		3.05							28	
	29															
						3.05			3.05						30	
VRF BOXES	31	**2**	**15**													
													1	20	32	SPARE
	33															
													1	20	34	NE RECPS AND WATER COOLER
VRF BOXES	**35**	**2**	**15**			0.50			0.50							
													1	20	36	NORTHWALL - EAST RECPS
	37					0.50	0.50									
													1	20	38	WASHING MACHINE
SPARE	39	2	30													
													2	30	40	DRYER
	41														42	
TOTAL CONNECTED LOAD (kVA)					4.74	11.16	5.33	4.80	5.77							
TOTAL DEMAND LOAD (kVA)					4.74	11.16										

VALE ELEMENTARY SCHOOL PANELBOARD SCHEDULE

MARK & TYPE

"BPG"
TYPE: SQ D NQ OR APPROVED EQUAL
120/208V, 3 PH, 4W
225 AMP MAIN LUGS
NEMA 1
SURFACE MOUNT

REMARKS

BRANCH CIRCUITS SHALL BE CIRCUIT BREAKERS.
CIRCUIT BREAKERS SHALL HAVE MINIMUM 22,000 AMP INTERRUPTING CAPACITY - TYPE QOB-VH.
NEW PANEL "BPG" REPLACES EXISTING PANEL "BPG". INTERCEPT EXISTING CIRCUITS SERVING LIGHTS, WIRING DEVICES, EQUIPMENT, ETC THAT REMAIN AND EXTEND TO NEW PANEL "BPG".

DESCRIPTION	CKT	P	TRIP	LTS	REC	EQUIP	A	B	C	HEAT	A/C	MOTOR	P	TRIP	CKT	DESCRIPTION
	1	2	20													
						1.84	1.84						1	30	2	TEF-6 (1 HP)
	3					1.00		1.00								
													2	20	4	B118 RECP (REFRIGERATOR)
					1.50			1.50								
CHILLER PIPING HEAT TRACE	5	1	20			1.50			1.50							
															6	
B122 RECP (WASHER)	7	1	20		1.50		1.50									
													2	20	8	ROSIE
SPARE	9	1	20													
															10	
SPARE	11	1	20													
													3	30	12	
GDI	13	2	20													
															14	
	15															
															16	
CHILLED WATER PUMP (7 1/2 HP)	17	3	30													
													3	30	18	CHILLED WATER PUMP (7 1/2 HP)
	19															
															20	
	21															
															22	
HEAT TRACE	23	1	20													
													1	20	24	B118 RECP (REACH-IN HOLDING CABINET)
B122 RECPS	25	1	20			1.50			1.50							
						1.08		1.08					1	20	26	B117,118,119 RECPS
B122 RECPS	27	1	20			0.54		0.54								
						1.26			1.26				1	20	28	B117 RECPS
B123,B124 RECPS	29	1	20			0.72			0.72							
						0.90			0.90				1	20	30	CARD READERS
121.ROOF RECPS	31	1	20					1.00								
						0.90			1.00				1	20	32	AUTOMATIC DOORS
B118 RECPS	33	1	20			0.90		0.90								
						1.50			1.50				1	20	34	SPARE
CH-2 (1/8 HP);	35	1	20					1.00								
						0.88			0.88				2	30	36	B122 RECP (DRYER)
GEF-2 (1 HP)	37	1	30													
						1.84	1.84								38	
VRF'S	39	2	20													
													1	20	40	CARD READER
	41															
													1	20	42	SPARE
SPARE	43	1	20													
													1	20	44	SPARE
SPARE	45	1	20													
													1	20	46	SPARE
SPARE	47	1	20													
													1	20	48	SPARE
SPARE	49	1	20													
													1	20	50	SPARE
SPARE	51	1	20													
													1	20	52	SPARE
SPARE	53	1	20													
													1	20	54	SPARE
CONNECTED LOAD (kVA)						11.40	9.06	8.70	5.98	5.78						
DEMAND LOAD (kVA)						10.70	9.06	8.36	5.16	5.78						
DEMAND AMPS								69.7	43.0	48.2						

TOTAL DEMAND KVA: 19.76 — TOTAL DEMAND AMPS: 70

VALE ELEMENTARY SCHOOL PANELBOARD SCHEDULE

MARK & TYPE

"BPJ"
TYPE: EXISTING SQUARE D NQOD
120/208V, 3 PH, 4W
225 AMP MAIN LUGS
NEMA 1
SURFACE MOUNTED

REMARKS

EXISTING SQUARE D NQOD PANELBOARD
REPLACE ONE (1) 1P-20 AMP CIRCUIT BREAKER (CIRCUIT 21) WITH ONE (1) NEW 1P-25 AMP CIRCUIT BREAKER (CIRUIT 21)
8/9/1997

DESCRIPTION	CIR	POLE	TRIP	LTS	REC	EQUIP	A	B	C	HEAT	A/C	FUTR	POLE	TRIP	CIR	DESCRIPTION
FCU-021	1	1	20			0.70	0.70									
					0.36		0.36						1	20	2	**A122 RECP**
UV-HL1 (1/4 HP) UV-HL2 (1/4 HP)	3	1	20			1.34		1.34								
					1.50			1.50					1	20	4	**A122 RECP (REFRIGERATOR)**
FCU-HL2 (0.08 HP)	5	1	20			0.38			0.38							
					1.50				1.50				1	20	6	**A122 RECP**
A122 RECPS	7	1	20		0.36		0.36									
					0.72		0.72						1	20	8	**A122 RECP**
A122 RECP (DISPOSAL)	9	1	20			1.12		1.12								
					1.50			1.50					1	20	10	**A122 RECP**
A122 RECP (REFRIGERATOR)	11	1	20		1.50				1.50							
					1.50				1.50				1	20	12	**A122 RECP (REFRIGERATOR)**
A116 RECP (WC)	13	1	20		0.54		0.54									
					0.90		0.90						1	20	14	**A120 RECP**
A117,118 RECPS	15	1	20		0.36			0.36								
					0.90			0.90					1	20	16	**A120 RECP**
CH-X	17	1	20			0.70			0.70							
					0.90				0.90				1	20	18	**A120 RECP**
GEF-1 (1/8 HP), TEF-4 (1/8 HP)	19	1	20			0.88	0.88									
													1	20	20	SPARE
TEF-1 (1 HP)	**21**	**1**	**25**			**1.84**		1.84								
SPARE	23	1	20													
													1	20	22	SPARE
SPARE	25	1	20													
													1	20	24	SPARE
SPARE	27	1	20													
													1	20	26	SPARE
SPARE	29	1	20													
													1	20	28	SPARE
SPARE	31	1	20													
													1	20	30	SPARE
SPARE	33	1	20													
													1	20	32	SPARE
SPARE	35	1	20													
													1	20	34	SPARE
SPARE	37	1	20													
													1	20	36	SPARE
SPARE	39	1	20													
													1	20	38	SPARE
SPARE	41	1	20													
													1	20	40	SPARE
													1	20	42	SPARE
TOTAL CONNECTED LOAD (kVA)					12.54	6.96	4.46	6.56	6.48							
TOTAL DEMAND LOAD (kVA)					11.27	6.96										

VALE ELEMENTARY SCHOOL PANELBOARD SCHEDULE

MARK & TYPE

"VH1"
TYPE: SQ D NF OR APPROVED EQUAL
277/480V, 3 PH, 4W
225 AMP MAIN LUGS
NEMA 1
SURFACE MOUNTED

REMARKS

BRANCH CIRCUITS SHALL BE CIRCUIT BREAKERS.
CIRCUIT BREAKERS SHALL HAVE MINIMUM 35,000 AMP INTERRUPTING CAPACITY.

DESCRIPTION	CIR	POLE	TRIP	LTS	REC	EQUIP	A	B	C	HEAT	A/C	FUTR	POLE	TRIP	CIR	DESCRIPTION
DOAS-1 (15.4 MCA)	1	3	20				4.30	4.30								
							4.30	4.30								
	3						4.30		4.30							
							4.30		4.30							
	5						4.30									
							4.30		4.30							
CU-1 (14 MCA)	7	3	20				4.00	4.00								
							5.50	5.50								
	9						4.00		4.00							
							5.50		5.50							
	11						4.00									
							5.50		5.50							
FUTURE DISHWASHER (15 HP)	13	3	40				5.82	5.82								
							0.94	0.94								
	15						5.82		5.82							
							0.94		0.94							
	17						5.82									
							0.94		0.94							
EXHAUST FAN (ITEM 52)(3 HP)	19	3	20				1.32	1.32								
							0.94	0.94								
	21						1.32		1.32							
							0.94		0.94							
	23						1.32		1.32							
							0.94		0.94							
SPARE	25	1	20													
													1	20	26	SPARE
SPARE	27	1	20													
													1	20	28	SPARE
SPARE	29	1	20													
													1	20	30	SPARE
SPARE	31	1	20													
													1	20	32	SPARE
SPARE	33	1	20													
													1	20	34	SPARE
SPARE	35	1	20													
													1	20	36	SPARE
SPARE	37	1	20													
													1	20	38	SPARE
SPARE	39	1	20													
													1	20	40	SPARE
SPARE	41	1	20													
													1	20	42	SPARE
TOTAL CONNECTED LOAD (kVA)							81.36	27.12	27.12	27.12						
TOTAL DEMAND LOAD (kVA)							81.36									

AD-2

GIBRALTAR DESIGN
ARCHITECTURE ENGINEERING INTERIOR DESIGN

PROJECT
VALE ADDITION AND RENOVATION

VALPARAISO COMMUNITY SCHOOLS
653 HAYES LEONARD RD
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100% CD SET

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PROJECT 25-113
DATE 09/04/25
COORDINATED BY PCB
DRAWN BY PCB/JVC
CHECKED BY DJ

DAVID G. JANNEY — REGISTERED NO. 10302590 — STATE OF INDIANA — PROFESSIONAL ENGINEER

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DRAWING
ELECTRICAL SCHEDULES

PROJECT
VALE ADDITION AND RENOVATION

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TECHNOLOGY GENERAL NOTES

1. WORK SHALL COMPLY WITH LOCAL, STATE AND NATIONAL ELECTRIC CODES, AMERICANS WITH DISABILITIES ACT.
2. REFER TO ARCHITECTURAL PLANS AND ELEVATIONS FOR ADDITIONAL TECHNOLOGY INFORMATION AND REQUIREMENTS. IN ALL CASES DEVICE MOUNTING HEIGHTS AND LOCATIONS SHALL CONFORM TO THE LATEST AMERICANS WITH DISABILITIES FEDERAL STANDARDS.
3. EXCAVATION NECESSARY FOR COMPLETION OF WORK SHALL BE PROVIDED. COORDINATE WITH ONE ANOTHER TO SHARE TRENCHES WHEREVER POSSIBLE.
4. REFER TO THE PLANS FOR ADDITIONAL TECHNOLOGY WORK AND REQUIREMENTS.
5. COORDINATE PHASING OF WORK AND PROVIDE TEMPORARY SERVICES AS REQUIRED FOR THE IMPLEMENTATION OF WORK WHILE MAINTAINING SERVICES TO PORTIONS OF BUILDING TO REMAIN OCCUPIED.
6. SCHEDULE WORK TO AVOID DOWNTIME AND INCONVENIENCE TO OWNER. OWNER'S EXISTING FACILITY SHALL REMAIN IN OPERATION AT ALL TIMES. REQUIRED SHUTDOWN OF EXISTING FACILITY UTILITIES SHALL BE SCHEDULED WITH OWNER'S OPERATING PERSONNEL.
7. LAYOUT IS DIAGRAMMATIC. INSTALL DEVICES, CONDUIT AND EQUIPMENT TO MEET ACTUAL FIELD CONDITIONS. REVIEW PROJECT SPECIFICATIONS BEFORE STARTING WORK AND SUBMIT COMPLETE SHOP DRAWINGS AS PER SPECIFICATIONS.
8. VISIT SITE PRIOR TO BID TO DETERMINE AND VERIFY EXISTING INTERIOR AND EXTERIOR TECHNOLOGY SYSTEMS TO VERIFY QUANTITIES AND LOCATIONS OF EXISTING SYSTEMS TO DETERMINE FULL EXTENT OF WORK. INCLUDE THE NECESSARY MODIFICATIONS TO THE EXISTING CONDITIONS (INCLUDING CEILINGS, WALLS, FLOORS, PIPES, CONDUIT, ROOF WORK, ETC.) AS REQUIRED, TO ALLOW FOR PROPER INSTALLATION OF WORK. ADJUST INSTALLATIONS TO MEET FIELD CONDITIONS AS REQUIRED FOR A COMPLETE AND PROPER INSTALLATION. NO EXTRAS WILL BE ALLOWED AFTER BIDDING FOR ANY REWORK OF EXISTING FIELD CONDITIONS TO RESOLVE CONFLICTS OR NOT FULLY UNDERSTANDING THE SCOPE OF THE WORK REQUIRED. EXISTING EQUIPMENT, CONDUIT, PIPING, ETC. SHALL BE REMOVED AS NOTED ON DRAWINGS AND AS REQUIRED TO MEET NEW SCOPE OF WORK.
9. HIDDEN CONDITIONS IDENTIFIED THROUGH THE COURSE OF CONSTRUCTION SHALL BE IMMEDIATELY BROUGHT TO ATTENTION IN WRITTEN FORM FOR REVIEW AND DIRECTION. FAILURE TO DO SO SHALL REQUIRE THE CHANGES AND COSTS TO CORRECT SAID HIDDEN CONDITION TO BE COMPLETED AT NO COST. EXISTING EQUIPMENT NOT IDENTIFIED SHALL BE BROUGHT TO ATTENTION FOR REVIEW AS TO WHETHER THE EQUIPMENT SHALL REMAIN AND BE RECONNECTED TO THE NEW SERVICES, BE RELOCATED, BE ABANDONED, ETC.
10. REMOVE AND REINSTALL EXISTING CEILINGS NOT BEING REPLACED (INCLUDING LIGHTS, MOTION SENSORS, FIRE ALARM DEVICES AND ANY OTHER TECHNOLOGY DEVICES AS REQUIRED.) WHERE NECESSARY TO PERFORM WORK. THIS ALSO INCLUDES EXISTING CEILINGS OF PLASTER, DRYWALL, ETC. COORDINATE WORK IN CEILING SPACE SO AS TO MINIMIZE THE AMOUNT OF CEILINGS WHICH MUST BE REMOVED AND REINSTALLED. REVIEW THE ENTIRE SET OF CONTRACT DOCUMENTS IN ORDER TO FULLY UNDERSTAND AND INCLUDE CEILING WORK NECESSARY FOR WORK ON THE PROJECT. WHEN THE WORK IS COMPLETED IN THE SPACE, REINSTALL OR PATCH EXISTING CEILINGS, REINSTALL DEVICES AND EQUIPMENT AND REPAIR DAMAGE AS REQUIRED TO COMPLETELY MATCH EXISTING CONDITIONS. REPAIR OR REPLACE ANY DAMAGE CAUSED TO EXISTING CEILING AREAS.
11. REMOVE EXISTING CONSTRUCTION AS REQUIRED AT EXISTING WALLS, FLOORS, PIPE CHASES, SURFACES, FINISHES, ETC. WHICH ARE AFFECTED. REPAIR EXISTING SURFACES AFFECTED, TO MATCH EXISTING SURFACE OF EQUAL OR BETTER QUALITY TO THE SATISFACTION OF THE OWNER'S REPRESENTATIVE.
12. COORDINATE NEW INSTALLATIONS WITH EXISTING SYSTEMS.
13. EXISTING TECHNOLOGY DEVICES, CONDUIT, ETC., SHALL BE REMOVED AS NOTED ON DRAWINGS AND AS REQUIRED TO MEET NEW SCOPE OF WORK. EXISTING TECHNOLOGY EQUIPMENT SHALL REMAIN PROPERTY OF THE OWNER AND SHALL BE PROPERLY STORED ON SITE, OR DESIGNATED TO BE ABANDONED AND REMOVED FROM SITE AS DIRECTED BY OWNER.
14. PERFORM CUTTING AND PATCHING OF EXISTING FLOOR SLABS AND WALLS AS REQUIRED FOR THE INSTALLATION OF TECHNOLOGY SYSTEMS.
15. EXISTING TECHNOLOGY DEVICES WITHIN WALLS TO BE REMOVED SHALL BE DISCONNECTED COMPLETELY. VERIFY EXACT CONDITIONS AND REQUIREMENTS IN FIELD.
16. WHERE INDICATED ON THE DRAWINGS IN UNFINISHED SPACES, RUN EXPOSED RACEWAYS PARALLEL WITH OR AT RIGHT ANGLES TO WALL.
17. NO RACEWAYS SHALL BE INSTALLED WITHIN 6" OF STEAM, HOT WATER PIPES OR SIMILAR HEAT PRODUCING APPLIANCES.
18. PROVIDE PULL WIRE IN EACH RACEWAY IN WHICH WIRING IS NOT INSTALLED.
19. COVERS OF JUNCTION OR PULL BOXES SHALL BE ACCESSIBLE AND IDENTIFIED PER SPECIFICATIONS. JUNCTION OR PULL BOXES AND THE LIKE SHALL BE INDEPENDENTLY SUPPORTED TO BUILDING STRUCTURE WITH NO WEIGHT BEARING ON RACEWAYS.
20. UNLESS OTHERWISE NOTED, DEVICE ELEVATIONS REFER TO CENTER LINE OF JUNCTION BOX. VERIFY JUNCTION BOX LOCATIONS WITH FINAL EQUIPMENT LAYOUT PRIOR TO ROUGHING IN SAME.

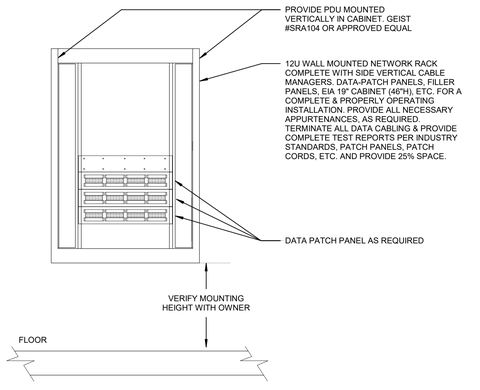
AD-2

21. LOW VOLTAGE DEVICE ROUGH-INS SHALL BE THE RESPONSIBILITY OF THE DIVISION 26 CONTRACTOR. CABLING, EQUIPMENT, FACEPLATES, ETC. SHALL BE THE RESPONSIBILITY OF THE DIVISION 27 AND DIVISION 28 CONTRACTORS.
22. FOR COORDINATION PURPOSES, OCCASSIONALLY AN ITEM OF WORK WILL BE SHOWN ON THE E SERIES DRAWINGS AND THE T SERIES DRAWINGS. REQUEST A CLARIFICATION FOR ANY ITEMS THAT APPEAR UNCLEAR AS TO QUANTITY OR CONTRACT RESPONSIBILITY. EXAMPLE: ELECRICAL DEVICES ARE SHOWN ON T SERIES SHEETS FOR COORDINATION AND SPACING PURPOSES; THE ELECTRICAL OUTLETS AND POWER EQUIPMENT IS THE RESPONSIBILITY OF DIVISION 26. LIKEWISE, SOME TELECOMMUNICATIONS CONDUITS APPEAR ON E SERIES SHEETS FOR SPACE COORDINATION; TELECOMMUNICATIONS PATHWAY AND SPACES ARE COVERED UNDER DIVISION 27.

TR-C119 RACK LAYOUT DETAIL

NOTES:

1. PROVIDE 25' COILED SLACK LENGTH FOR EACH TERMINATED CATEGORY 6 DATA CABLE. UTILIZE WIRE MANAGEMENT STRUCTURE PER EIA/TIA STANDARDS. VERIFY EXACT CONDITIONS AND REQUIREMENTS IN FIELD.
2. ROUTE #6 GROUNDING CABLE FROM THE I.T. CLOSET CABINET AND CONNECT TO THE MAIN GROUND BUS IN ELECTRICAL ROOM.
3. NEW DATA CABLING SHALL BE ROUTED THROUGH J-HOOKS. COORDINATE DEVICE AND CABLING COLOR WITH THE OWNER. PANDUIT, LEVITON/SUPERIOR ESSEX OR BERKTEK/ORTONICS ARE THE ACCEPTABLE MANUFACTURERS. CABLING SHALL BE CAT-6, PLENUM RATED AND TERMINATED IN THE I.T. ROOM CABINET. PROVIDE CAT-6 PATCH PANELS AS REQUIRED TO ACCOMODATE THE NEW CABLING. PROVIDE TWO (2) PATCH CABLES FOR EACH NEW JACK. LABEL ALL JACKS. TEST ALL NEW CONNECTIVITY UTILIZING MICROTEST OMNISCANNER. PROVIDE 25 YEAR WARRANTY FOR ALL CABLING PER THE MANUFACTURER.



SYMBOL LIST

COMMUNICATIONS

AD-2

- DUPLEX DATA OUTLET - WITH (2) 3/4" CONDUITS STUBBED INTO ACCESSIBLE CEILING SPACE WITH INSULATED BUSHING - MOUNTED 18" A.F.F. WHEN MOUNTED ADJACENT TO AN ELECTRICAL RECEPTACLE OR AS NOTED. PROVIDE CAT-6 PLENUM CABLE. FROM EACH JACK, TO NEAREST TR OR MDF LOCATION INDICATED ON PLANS. TERMINATE WITH RJ-45 JACK. TEST AND LEAVE 10' SLACK LENGTH.
- WAP DUPLEX DATA OUTLET FOR WIRELESS ACCESS POINTS - LOCATED ABOVE ACCESSIBLE CEILING SPACE AND 6" ABOVE THE GRID OR TIGHT TO THE ROOF DECK WHERE NO CEILINGS EXIST. PROVIDE 3/4" CONDUIT STUBBED INTO ACCESSIBLE CEILING SPACE WITH INSULATED BUSHING. PROVIDE CAT-6A PLENUM CABLE, FROM EACH JACK, TO NEAREST MDF OR TR LOCATION INDICATED ON PLANS. TERMINATE WITH RJ-45 CAT-6 JACK, TEST AND LEAVE 10' SLACK LENGTH.
- DUPLEX DATA OUTLET MOUNTED IN WIREMOLD #V4000 SERIES RACEWAY FLOOR BOX. PROVIDE FLOOR BOX AND ADAPTER TO MOUNT TO BOX. ROUTE (2) 3/4" CONDUITS INTO ACCESSIBLE CEILING SPACE WITH INSULATED BUSHING. PROVIDE CAT-6A PLENUM CABLE, FROM EACH JACK, TO NEAREST TR OR MDF LOCATION INDICATED ON PLANS. TERMINATE WITH RJ-45 JACK. TEST AND LEAVE 10' SLACK LENGTH.

AD-2

- E AIPHONE EXTERIOR DOOR INTERCOM SYSTEM (AIPHONE IX-DVF). MOUNTED 48" A.F.F. PROVIDE BACK BOX WITH 3/4" CONDUIT ROUTED TO THE ACCESSIBLE CEILING SPACE. PROVIDE CAT-6 PLENUM CABLE, FROM EACH STATION, TO NEAREST MDF LOCATION INDICATED ON PLANS. TERMINATE WITH RJ-45 JACK. TEST AND LEAVE 10' SLACK LENGTH.
- I AIPHONE INTERIOR DOOR INTERCOM SYSTEM (AIPHONE IX-MV SERIES INTERCOM SYSTEM). PROVIDE BACK BOX WITH 3/4" CONDUIT ROUTED TO THE ACCESSIBLE CEILING SPACE. PROVIDE CAT-6 PLENUM CABLE, FROM EACH STATION, TO NEAREST MDF LOCATION INDICATED ON PLANS. TERMINATE WITH RJ-45 JACK. TEST AND LEAVE 10' SLACK LENGTH. PROVIDE SELECTIVE DOOR/GATE RELEASE. PROVIDE ADDITIONAL BUTTON TO SELECTIVELY UNLOCK DOORS IN VESTIBULE CONSISTENT WITH OWNER STANDARD.

AD-2

- FLUSH IN WALL "TV" PANEL CONSISTING WITH ONE (1) DUPLEX RECEPTACLE MOUNTED IN A BACK BOX. PROVIDE SEPARATE 2-GANG BACK BOX WITH DATA JACK AND CABLING BACK TO TR/MDF AS INDICATED IN THE DATA JACK SYMBOL. STUB (2) 1" CONDUITS TO ACCESSIBLE CEILING SPACE WITH INSULATED BUSHING. MOUNT DEVICE AT 18" A.F.F. AND COORDINATE MOUNTING HEIGHT WITH THE ARCHITECTURAL ELEVATIONS.
- FLUSH IN CEILING "TV" PANEL CONSISTING WITH ONE (1) DUPLEX RECEPTACLE MOUNTED IN A BACK BOX. PROVIDE SEPARATE 2-GANG BACK BOX WITH DATA JACK AND CABLING BACK TO TR/MDF AS INDICATED IN THE DATA JACK SYMBOL. STUB (2) 1" CONDUITS TO ACCESSIBLE CEILING SPACE WITH INSULATED BUSHING. MOUNT DEVICE FLUSH IN CEILING.

AD-2

- WALL MOUNTED ANALOG CLOCK UNIT. PROVIDE BACK BOX WITH 3/4" CONDUIT ROUTED TO THE ACCESSIBLE CEILING SPACE WITH INSULATED BUSHING. SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION.
- S PAGING INTERCOM CEILING SPEAKERS - WITH AIR PLENUM BACK BOX AND 3/4" CONDUIT TO ACCESSIBLE CEILING SPACE WITH INSULATED BUSHING. MOUNT IN SURFACE BOX WHERE NO CEILINGS EXIST. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.
- INTERCOM PRIVACY CALL-IN SWITCH - MOUNTED 42" A.F.F. PROVIDE 2-GANG BACK BOX WITH SINGLE GANG MUD RING WITH 3/4" CONDUIT ROUTED TO THE ACCESSIBLE CEILING SPACE WITH INSULATED BUSHING. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.
- CEILING MOUNTED DEMONSTRATION CAMERA. EQUIPMENT BY OWNER. CONSISTING WITH ONE (1) DUPLEX RECEPTACLE MOUNTED IN A BACK BOX. PROVIDE SEPARATE 2-GANG BACK BOX WITH DATA JACK AND CABLING BACK TO TR/MDF AS INDICATED IN THE DATA JACK SYMBOL. STUB 1" CONDUIT TO ACCESSIBLE CEILING SPACE WITH INSULATED BUSHING. MOUNT DEVICE FLUSH IN CEILING.
- WIREMOLD #V4000 SERIES RACEWAY VERTICAL RISER.
- TELE-POWER POLE. REFER TO ELECTRICAL DETAILS FOR ADDITIONAL REQUIREMENTS.
- W PLUSH IN WALL PROJECTOR INPUT STATION WITH ONE (1) DUPLEX RECEPTACLE MOUNTED IN A 2-GANT BACK BOX. PROVIDE SEPARATE 2-GANG BACK BOX WITH 1-1/4"C STUBBED INTO ACCESSIBLE CEILING WPACE WITH INSULATED BUSHING. PROVIDE SIMPLEX DATA OUTLET WITH CAT-6A PLENUM CABLE, FROM EACH JACK, TO NEAREST TR LOCATION INDICATED ON PLANS. TERMINATE WITH RJ-45 JACK. TEST AND LEAVE 10' SLACK LENGTH. PROVIDE (1) HDMI OUTLETS, (1) 3.5MM OUTLET, AND EXTEND CABLING FROM EACH JACK TO ASSOCIATED PROJECTOR STATION.

AD-2

SECURITY

- DC SECURITY SYSTEM DOOR CONTACT - ROUGH-IN ONLY - ROUTE 3/4"C FROM THE ACCESSIBLE CEILING SPACE AND STUB INTO THE DOOR MULLION.
- CA CARD ACCESS CONTROLLER - PROVIDE BACK BOX MOUNTED 42" A.F.F. WITH 3/4"C. ROUTED TO THE ACCESSIBLE CEILING SPACE. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.
- L ELECTRIC DOOR STRIKE - STUB 3/4" CONDUIT FROM THE ACCESSIBLE CEILING SPACE TO THE DOOR MULLION FOR WIRING. INTERFACE WIRING FROM THE DOOR STRIKE TO THE DOOR ACCESS SYSTEM FOR A COMPLETE AND PROPERLY OPERATING SYSTEM.
- INTERIOR CEILING MOUNTED SURVEILLANCE CAMERA. EQUIPMENT BY OWNER. PROVIDE 2-GANG BACK BOX WITH SINGLE GANG MUD RING WITH 3/4"C. ROUTED TO THE ACCESSIBLE CEILING SPACE. PROVIDE CAT-6 PLENUM CABLE, FROM EACH JACK, TO NEAREST TR LOCATION INDICATED ON PLANS. TERMINATE WITH RJ-45 JACK. TEST AND LEAVE 10' SLACK LENGTH.
- WP EXTERIOR SURVEILLANCE CAMERA - MOUNTED 12'-0" A.F.F., EQUIPMENT BY OWNER. VERIFY HEIGHT IN FIELD. PROVIDE 2-GANG BACK BOX WITH SINGLE GANG MUD RING WITH 3/4"C. ROUTED TO THE ACCESSIBLE CEILING SPACE. PROVIDE CAT-6 PLENUM CABLE, FROM EACH JACK, TO NEAREST TR LOCATION INDICATED ON PLANS. TERMINATE WITH RJ-45 JACK. TEST AND LEAVE 10' SLACK LENGTH.
- D DOOR OPERATOR PUSH BUTTON FURNISHED BY OTHERS, WIRED AND INSTALLED BY CONTRACTOR. PROVIDE TWO (2) GANG BACK-BOX MOUNTED AT 42" A.F.F. WITH 3/4"C. ROUTED DOOR OPERATOR.

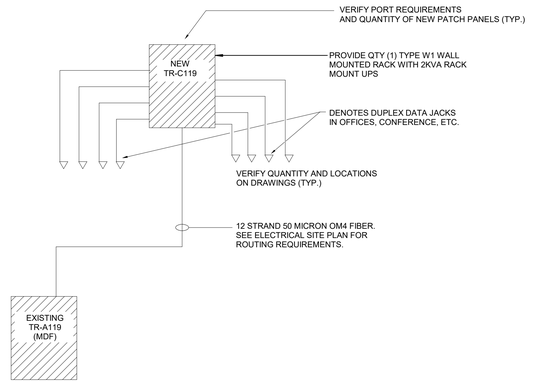
SHEET SYMBOLS

- 1 ELLIPSE TAG REFERENCE TO SHEET NOTES
- TWO DEVICE MOUNTED UNDER COMMON COVER. WHERE LOW VOLTAGE DEVICES ARE MOUNTED UNDER COMMON COVER, COMBINE CONDUIT STUBS MAINTAINING THE EQUIVALENT FREE AREA FOR THE LOW VOLTAGE CABLING.
- RN / NI REMOVE EXISTING DEVICE AND PROVIDE NEW AS INDICATED IN EXISTING BACK BOX, JUNCTION BOX, ETC. VERIFY EXACT LOCATION AND CONDITIONS IN FIELD. MODIFY EXISTING BACK BOX, JUNCTION BOX, ETC. PROVIDE TRIM PLATES, EXTENSION RINGS, ETC. AS REQUIRED TO MOUNT NEW DEVICE AS INDICATED.
- F&I NEW DEVICE AS INDICATED.
- EX EXISTING LIGHTS, RECEPTACLES, SPECIAL SYSTEMS, DEVICE, ETC. TO REMAIN.
- ER EXISTING LIGHTS, RECEPTACLES, SPECIAL SYSTEMS, DEVICE, ETC. TO BE REMOVED COMPLETE IN ITS ENTIRETY. REMOVE ALL ASSOCIATED SURFACE MOUNTED CONDUIT, OUTLETS, ETC. AND BLANK-OFF FLUSH WITH NEW OR EXISTING CONSTRUCTION. SEE GENERAL NOTES AND SPECIFICATIONS FOR ADDITIONAL INFORMATION.
- RR REMOVE EXISTING LIGHTS, RECEPTACLES, SPECIAL SYSTEMS, DEVICES, ETC. AND RELOCATE TO NEW LOCATION COMPLETE AS REQUIRED.
- NE NEW LOCATION OF EXISTING RELOCATED LIGHTS, RECEPTACLES, SPECIAL SYSTEMS, DEVICE, ETC. EXTEND CONDUIT, WIRE, CABLE, ETC. COMPLETE AS REQUIRED TO NEW LOCATION FOR A COMPLETE AND PROPER INSTALLATION.

NETWORK CABLING DIAGRAM

TR-C119 DEVICE COUNTS			
DEVICE	QTY	DROPS	TOTAL
DUPLEX OUTLETS	4	2	8
DISPLAYS	1	2	2
			2
TOTAL DATA DROPS			12
WIRELESS ACCESS	2	2	2
TOTAL WAP DROPS			2
CAMERA	6	1	6
TOTAL CAMERA DROPS			6

TR-A119 (MDF) NEW DEVICE COUNTS			
DEVICE	QTY	DROPS	TOTAL
DUPLEX OUTLETS	20	2	40
DISPLAYS	6	2	12
TOTAL DATA DROPS			52
WIRELESS ACCESS	3	2	6
TOTAL WAP DROPS			6
CAMERA	12	1	12
TOTAL CAMERA DROPS			12



NOTE:

ELECTRICAL CONTRACTOR SHALL PROVIDE GROUNDING AND BONDING FOR ALL DATA AND VOICE SYSTEMS AND THIS SHALL COMPLY WITH THE GROUNDINGAND BONDING REQUIREMENTS OF EIA/TIA 60T. ALL BONDING CONDUCTORS SHALL BE MINIMUM #4 AWG. INSULATED COPPER. PROVIDE A GROUNDING BUS BAR AT EACH CLOSET LOCATION.

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PROJECT:

VALE ADDITION AND RENOVATION

VALPARAISO COMMUNITY SCHOOLS

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PROJECT 25-113
DATE 09/04/25
COORDINATED BY SM
DRAWN BY MH
CHECKED BY DJ

DAVID G. JANNEY REGISTERED NO. 10302590 STATE OF INDIANA PROFESSIONAL ENGINEER

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DRAWING
TECHNOLOGY NOTES, SYMBOLS & ABBREVIATIONS

PROJECT
VALE ADDITION AND RENOVATION

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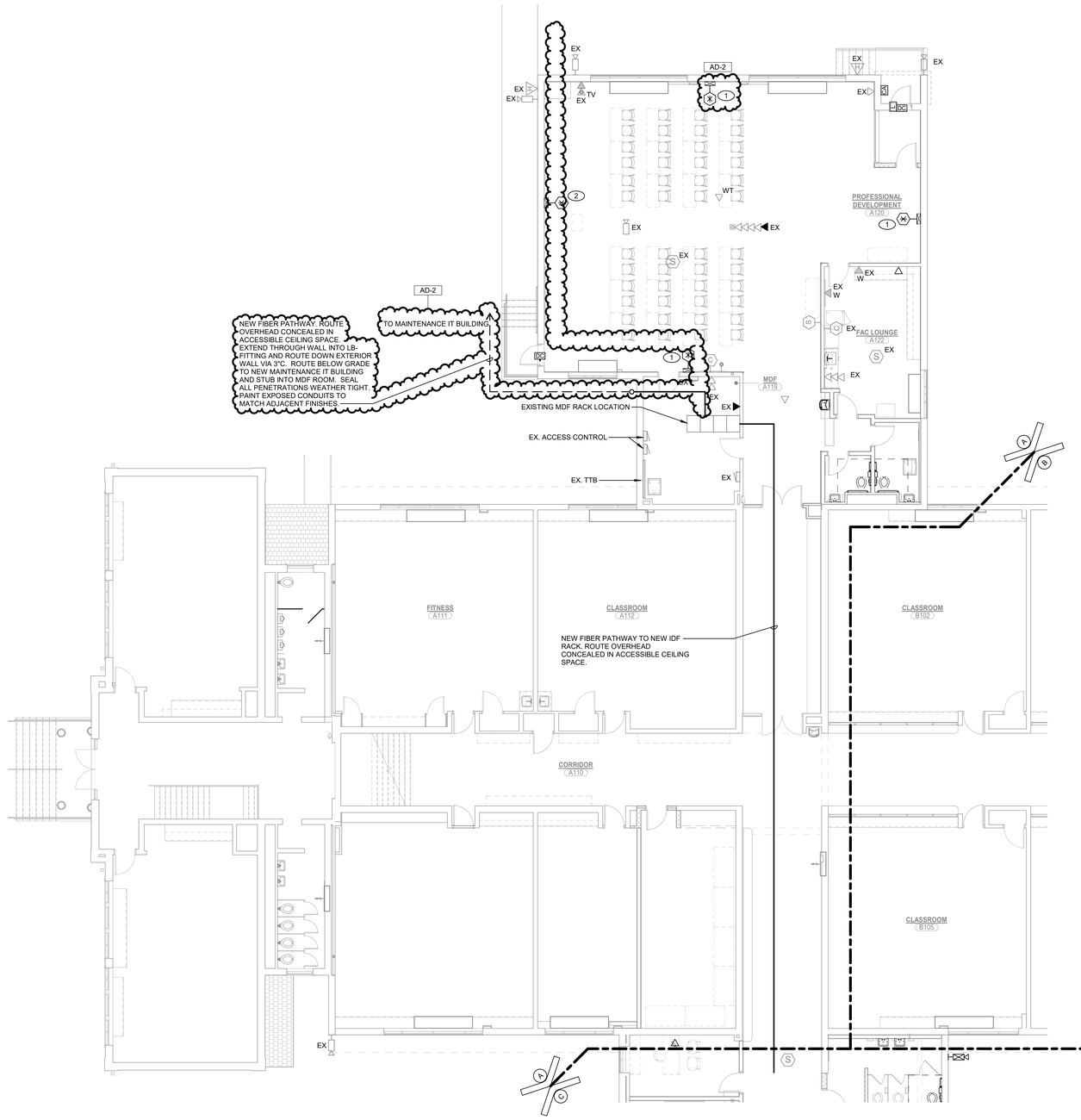
SHEET NOTES

1. EXTEND ONE (1) HDMI CONNECTION FROM THIS INPUT LOCATION AND TERMINATE IN FACE PLATE AT WEST WALL LOCATION.
2. STATION SHALL CONSIST OF (1) DUPLEX DATA OUTLET AND (3) HDMI OUTLETS EACH FROM ONE INPUT STATION IN THIS SPACE (NORTH, SOUTH, AND EAST LOCATIONS).



1 T-101

UNIT "A" TECHNOLOGY FIRST FLOOR PLAN

1/8" = 1'-0"

NORTH

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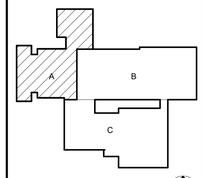

KEY PLAN

NORTH

100% CD SET

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PROJECT
25-113
DATE
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SM
DRAWN BY
MH
CHECKED BY
DJ

DAVID G. JANNEY REGISTERED NO. 10302590 STATE OF INDIANA PROFESSIONAL ENGINEER

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DRAWING
UNIT "A" TECHNOLOGY FIRST FLOOR PLAN

PROJECT
VALE ADDITION AND RENOVATION

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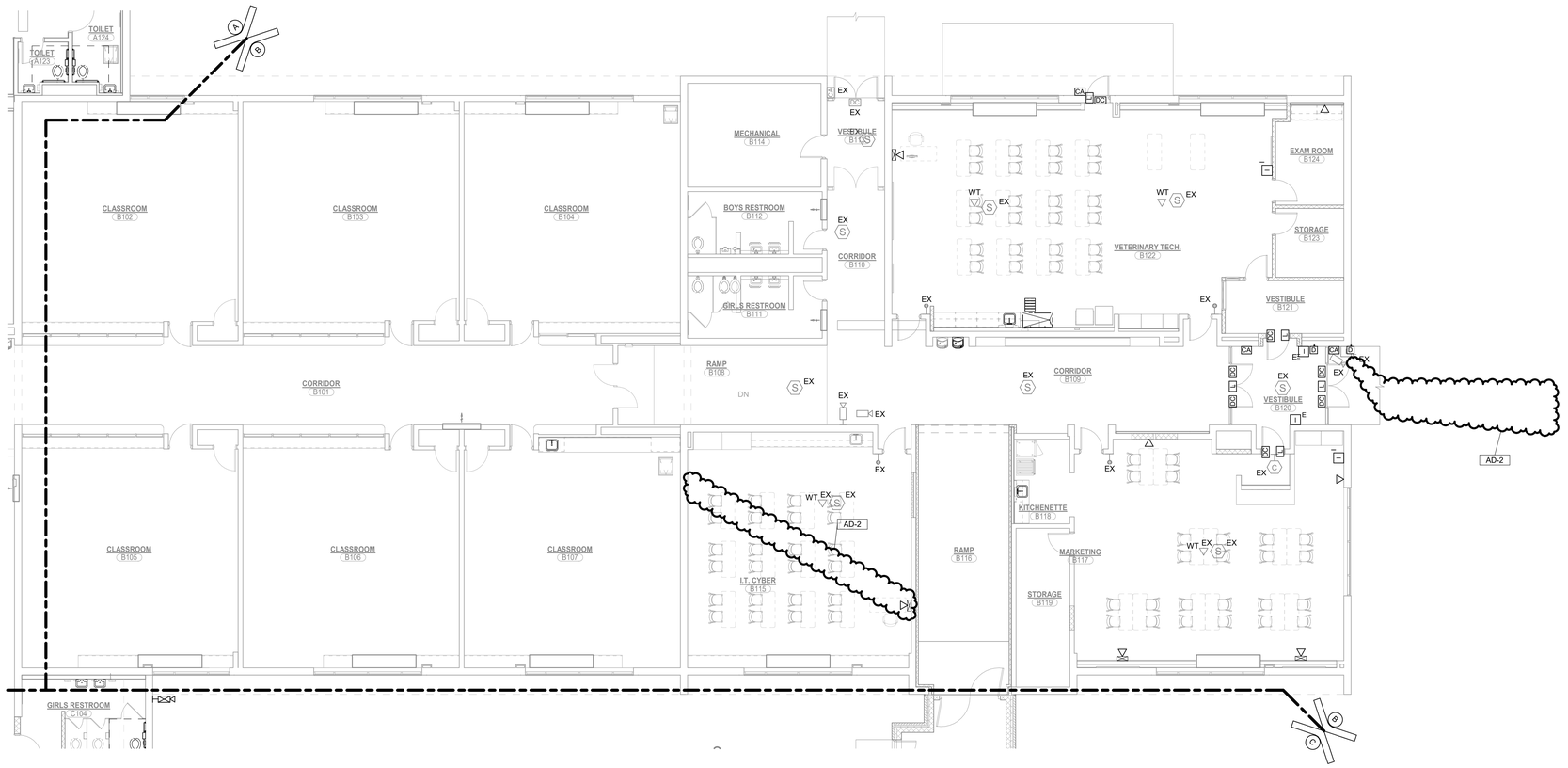

1 T-102

UNIT "B" TECHNOLOGY FIRST FLOOR PLAN

1/8" = 1'-0"

NORTH

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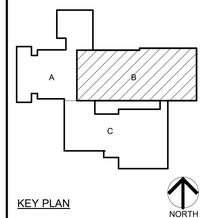

KEY PLAN

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PROJECT 25-113
DATE 09/04/25
COORDINATED BY SM
DRAWN BY MH
CHECKED BY DJ

DAVID G. JANNEY REGISTERED NO. 10302590 STATE OF INDIANA PROFESSIONAL ENGINEER

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DRAWING
UNIT "B" TECHNOLOGY FIRST FLOOR PLAN

PROJECT
VALE ADDITION AND RENOVATION

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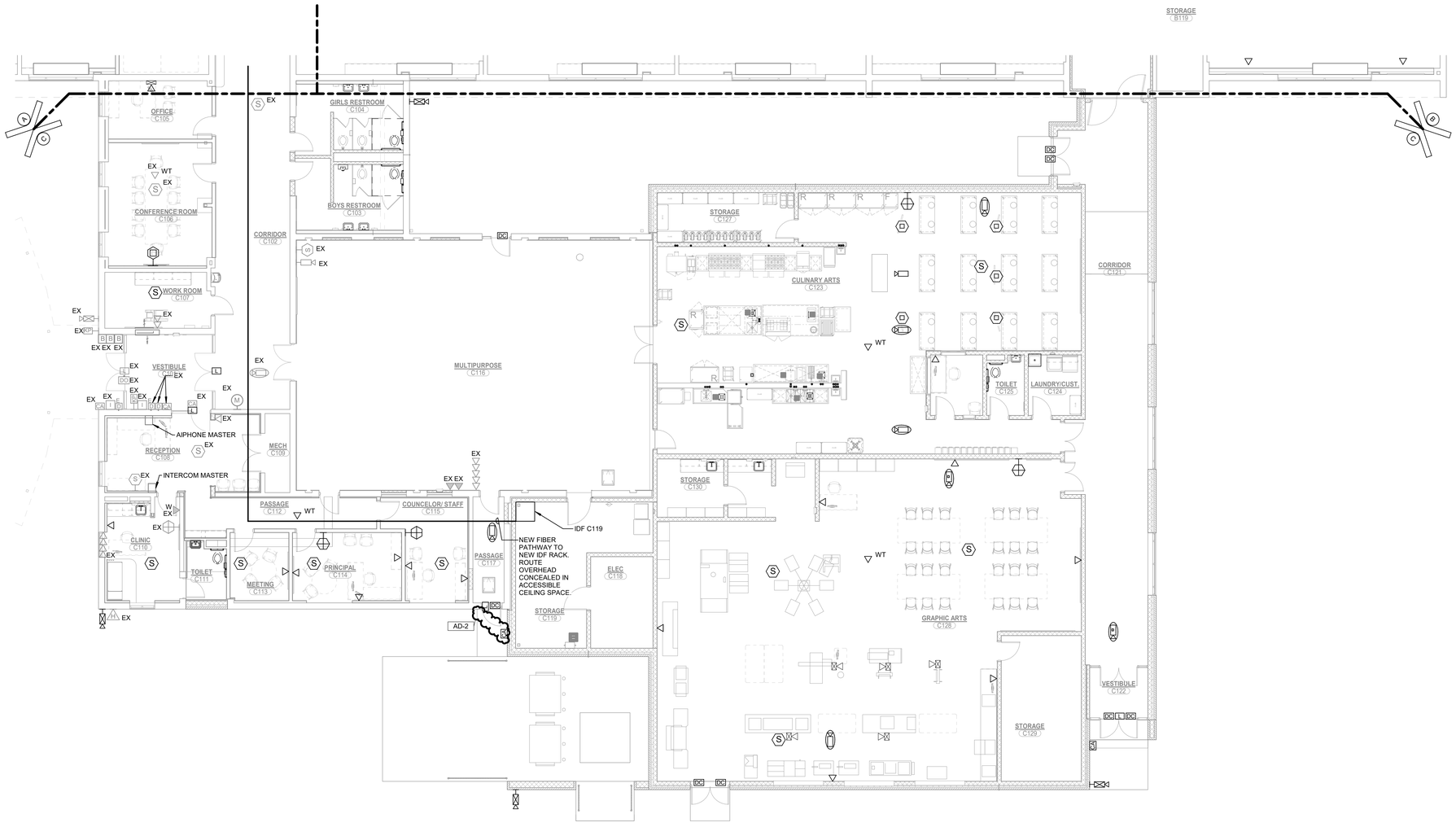

1 T-103 **UNIT "C" TECHNOLOGY FIRST FLOOR PLAN**

1/8" = 1'-0"

NORTH

9/17/2025 3:10:52 PM
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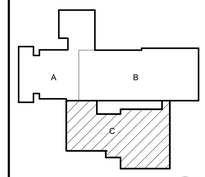
PROJECT:

VALE ADDITION AND RENOVATION

VALPARAISO COMMUNITY SCHOOLS

653 HAYES LEONARD RD
VALPARAISO, IN 46385



KEY PLAN

NORTH

100% CD SET

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PROJECT
25-113
DATE
09/04/25
COORDINATED BY
SM
DRAWN BY
MH
CHECKED BY
DJ

DAVID G. JANNEY
REGISTERED
NO. 10302590
STATE OF INDIANA
PROFESSIONAL ENGINEER

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REVISIONS

MARK	DATE	ISSUED FOR
AD-2	09/18/25	ADDENDUM NO. 2

DRAWING
UNIT "C" TECHNOLOGY FIRST FLOOR PLAN

PROJECT
VALE ADDITION AND RENOVATION

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