ADDENDUM NO. 2

May 6, 2022

NEW ADMINISTRATION CENTER, ALTERNATE EDUCATION AND RESOURCE CENTER AND RELATED WORK PROJECT
Crown Point, IN 46307

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 April 15, 2022 by Gibraltar Design. Acknowledge receipt of the Addendum in the space provided on the Bid Form. Failure to do so may subject the Bidder to disqualification.

This Addendum consists of Pages ADD 2-1 and attached Addendum No. 2 from Gibraltar Design dated May 5, 2022 and consisting of 11 pages, Specification Section 08 71 00 - Door Hardware, Specification Section 14 24 00 - Hydraulic Elevator, and 82 drawings.

A. SPECIFICATION SECTION 00 00 20 - TABLE OF CONTENTS

1. **Add:**

   Specification Section 14 24 00 - Hydraulic Elevator

B. SPECIFICATION SECTION 01 12 00 - MULTIPLE CONTRACT SUMMARY

1. **BID CATEGORY NO. 1 - GENERAL TRADES**

   1. **Replace:**

      Specification Section 08 71 00 - Door Hardware with the attached revised section.

   2. **Add:**

      Specification Section 14 24 00 - Hydraulic Elevator

ADDENDUM TWO

Addendum Two (AD.02) to the drawings and specifications prepared by Gibraltar Design for **New Administration Center, Alternative Education and Resource Center and Related Work** for Crown Point Community School Corporation, Crown Point, 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 Addendum One, and include the appropriate content of same within their bid proposal.

SPECIFICATIONS

1. **Specification Section 00 01 10 Table of Contents**
   A. Add Specification Section 14 24 00, Hydraulic Elevator to Division 14 of the Table of Contents.
2. **Specification Section 05 50 00 Miscellaneous Metals**
   A. Add Paragraph 3.3.D.2. as follows: "2. Locate at Elevator Pit, Interior use."
3. **Specification Section 08 71 00 Door Hardware**
   A. Replace Specification Section 08 71 00, Door Hardware, in its entirety, included in this Addendum to the Project Manual.
4. **Specification Section 10 22 26 Folding Partitions**
   A. Delete Paragraph 2.3.H. in its entirety and substitute the following 2.3.H. as follows: "H. Panel Finishes: Refer to Finish Legend in the Drawings."
5. **Specification Section 11 40 00 Foodservice Equipment**
   A. Item #9 – Revise QTY (4) and size of shelving units.
      1. Twelve (12) only MHP2448G Heavy Duty Dunnage shelves.
      2. Four (4) only MQ2448G shelf.
      3. Sixteen (16) only MQ74UPE posts.
      4. Eight (8) only 5PCX stem casters.
      5. Eight (8) only 5PCBX stern casters with brakes.
      6. Four (4) only 24X48X74VC White vinyl Coated Velcro Enclosure.
   B. Item #10 – TARRISON Confirmed MFG.
   C. Item #11 – Island Work Table – REVISE – ADD Hinged Locking Doors on ALL Undershelf Storage.
   D. Item #14 – Hand Sinks – Revise QTY to (2).
   E. Item #21 – Work Table – REVISE – ADD Hinged Locking Doors on ALL Undershelf Storage.

F. Item #43 – Work Table – REVISE – ADD Hinged Locking Doors on ALL Undershelf Storage.

G. Item #51 – REVISE – ADD Dishracking Overshelf ADVANCE TABCO #DT-6R-24.

H. Item #68 – ADD Mobile Linen Storage CLS #1075-60.

I. Item #69 – ADD Wall Mounted Hand Sink QTY (1) Advance Tabco Model #WS-12-24.

J. Item #70 – ADD Coffee Brewer BUNN ICB TWIN #53200.0101 Coffee Brewer; factory advised filter system; (4) #42750.0000 1.5 Gallo Servers with Stand.

6. Specification Section 14 24 00 Hydraulic Elevator

A. Add Specification Section 14 24 00, Hydraulic Elevator, included in this addendum.

DRAWINGS

1. Sheet G-101

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

1. Added a site map to highlight the relationship between the locations of the Administration Building and the Alternate Education Building.

2. Sheet G-102

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

1. Clarified names of sheets.

3. Sheet G-210

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

1. Addition of occupant exiting indications
2. Addition of plumbing fixture count calculations

4. Sheet C-101

A. Refer to revised, full size drawing, included in this Addendum, for removal of contours passing through existing building footprint.

5. Sheet C-103

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

1. Added reference to Electrical Sheet E-003 for electrical wiring and demolition details.
2. Added reference to Sheet AD-111 for sidewalk demolition north of shown match line.
3. Removed contours passing through existing building footprint.

6. Sheet C-105

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

1. Added callout o proposed sidewalk referring to Sheet A-111 for detailed construction notes north of shown match line.
2. Added flag pole foundation detail.
3. Added flag pole callouts.
4. Added Note 13 with flag pole information.

7. Sheet C-109

A. Refer to revised, full size drawing, included in this Addendum, for added Note 13 referring to Electrical Sheet E-003 for additional wiring service information.

8. Sheet S-102

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

9. Sheet S-602

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

10. Sheets AD-110 and AD-111

A. There are two #24 indications in the Demolition Plan Notes. Revise the second "24 Existing Wall …" indication to read "25 Existing Wall …"

11. Sheet AD-111

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

1. Demolition Plan Note clarification on the plan.
2. Clarification – "NIC" indicated on the architectural demo drawing refers to there being no architectural demolition, but MAY be minor mechanical, electrical, or tech demo. Refer to other disciplines demolition sheets for further information.

12. Sheet A-101

A. Refer to revised, full size drawing, included in this Addendum for revised Plan notes and miscellaneous clouded revisions.

13. Sheet A-102

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

1. Relocated 2 details to Sheet A-107.
2. Revised Plan notes.
3. Stair 145/245 revisions.

14. Sheets A-101, A-102, A-604

A. All first and second floor punched type window openings are to receive solid surface stool.

B. Sinks at Men 139 and 149, Women 138 and 150, Unisex 221, 222, 228 and 229 are solid surface counters with drop-in bowls per Plumbing Fixture Schedule.

15. Sheet A-107

A. Add full-size drawing, included in this Addendum, to Drawing set.

16. Sheet A-110

A. Refer to revised, full-size drawing, included in this Addendum, for the following revisions:
   1. Additional notes added to the Plan Notes
   2. Plan Note 21 added to plan.

17. Sheet A-111

A. Refer to revised, full-size drawing, included in this Addendum, for the following revisions:
   1. Additional notes added to the Plan Notes
   2. Plan Notes added to plan.
   3. Additional toilet room added with access from Vestibule A-101

18. Sheet A-112

A. Refer to revised, full-size drawing, included in this Addendum, for the following revisions:
   1. Added new toilet room to 2//A-112.

19. Sheet A-202

A. Refer to revised, full-size drawing, included in this Addendum, for additional roof details and a masonry end dam detail.

20. Sheet A-210

A. Refer to revised, full-size drawing, included in this Addendum, for the following revisions:
   1. Revised title block name to read "Roof Plan and Details"
   2. Added General Roof Plan Note "S. EXISTING ROOF SYSTEM IS TREMCO TPA. ALL CUTTING/PATCHING OF ROOF TO CONFORM TO MFR REQUIREMENTS SO AS TO NOT VOID THE WARRANTY OF THE EXISTING ROOF."
   3. Added intake hoods on roof plan which are reflected in the Mechanical sheets.
   4. Revised all references to A-211 to A-210

21. Sheet A-310

A. Clarified Elevation Key Note #9, adding size of coiling overhead door (10ft x 9ft).

22. Sheets A-405, A-406, A-410

A. Refer to three (3) revised, full-size drawings, included in this Addendum, for miscellaneous drawing and note revisions.

23. Sheet A-411

A. Refer to revised, full-size drawing, included in this Addendum, for the following revisions:
   1. Miscellaneous drawing and note revisions.
   2. Change railing at Stair 145/245 to "Stainless steel and glass guardrail and

handrail".

24. Sheet A-421

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

25. Sheet A-610

A. Refer to revised, full-size drawing, included in this Addendum, for the following revisions:
   1. Removed door A104-A and added A101A-A and A102-A.
   2. Where PA (power assist) is indicated include electric door operator (LCN or equal) and associated hardware and power supply
   3. Added detail 3, the head, jamb and sill details for SF14

26. Sheet A-701

A. Refer to revised, full-size drawing, included in this Addendum, for the following revisions:
   1. Revise Key Note 6,
   2. Revise monitor placement in Meeting Room 108.

27. Sheet A-720

A. Refer to revised, full-size drawing, included in this Addendum, for the following revisions:
   1. Revise sheet name,
   2. Revise casework finishes in Elevations 4 and 5.
   3. Revise Casework Schedule.

28. Sheet A-721

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

29. Sheets A-801 and A-802

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

30. Sheet A-811

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

31. Sheets A-820 and A-830

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

32. Sheet A-840

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

33. Sheet A-910

A. Refer to revised, full-size drawing, included in this Addendum, for the following revisions:
   1. Showed general outline of existing ceiling grid to remain.

34. Sheet A-911

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

1. Showed new ceiling for new toilet room A-101A.

35. Sheet K-101

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

1. Item #9: Revise to QTY (4); adjust shelving unit sizes.
2. Item #10: Revise to MFG. TARRISON Model #AC2460-12C.
3. Item #14: Revise to QTY (2).
4. Item #31: Revise to TRAULSEN.
5. Item #32: Revise to TRAULSEN.
6. Item #65: Revise size of shelving unit.
7. Item #69: ADD Advance Tabco Wall Mounted Overshelf.
8. Item #70: ADD Bunn ICB TWIN 53200.0101 TALL Coffee Brewer.

36. Sheet K-102

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

1. Revise wall backing for adjusted storage room plan.

37. Sheet K-200

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

1. Item #70: ADD coffee brewer information.

38. Sheet K-300

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

1. Item #14: Revise water for relocated hand sink
2. Item #70 – Revise water for coffee brewer.

39. Sheet K-301

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

1. Item #14: Adjust power for hand sink.
2. Item #70 – Adjust electrical for coffee brewer add.

40. Sheet G-104

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

1. Clarified names of sheets.

41. Sheet MD110

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

1. Revised note removing existing unit ventilator to abandoned existing unit ventilator.

42. Sheet MD111

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

1. Revised note removing existing unit ventilator to abandoned existing unit ventilator.
2. Revised piping being removed.

43. Sheet MV-101

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

1. Revised meeting room ductwork.
2. Added silencers to VAV-2A, 2B, 2C, and 2D.

44. Sheet MV-102

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

1. Added supply air to IDF 223.

45. Sheet M-111

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

1. Revised pipe drop location.
2. Added ECH-1 to Vest A110.
3. Added expansion compensators and anchors.

46. Sheet M-112

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

1. Added expansion compensators and anchors.

47. Sheet M-113

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

1. Added intake hood to roof for FC6.

48. Sheet M-200

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

1. Updated AH-1 section.
2. Updated AH-2 Section.
3. Added ER-1 section.
4. Added connection notes for ER-1.
5. Added tags for AH-1 and AH-2 outside air connections

49. Sheet M-501

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

1. Added silencers schedule.

50. Sheet M-502

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

1. Updated AH-1 andAH-2 VAV schedules.

51. Sheet M-602

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

1. Added transfer air detail.

52. Sheet P-110

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

1. Revised domestic water piping to be located in basement ceiling space.
2. Revised sanitary piping.

53. Sheet P-111

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

1. Revised sanitary piping.
2. Added single-use toilet Room A-101A.

54. Sheet P-112

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

1. Revised sanitary piping.
2. Added single-use toilet Room A-101A.
3. Revised domestic water system to account for new toilet room.

55. Sheet P-601

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

1. Revised domestic water and sanitary rise diagram.

56. Sheet E-003

A. Added alternate scope outline for site lighting fixture to be removed and relocated.t

57. Sheet ED110

A. Remove and relocate ceiling devices and lighting s required to accommodate new vestibule work.

B. Complete building demolition in the hatched area of composite plan. Selective demolition in boxed area of composite plan.

58. Sheet ED111

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

1. Added Sheet Note #2.

59. Sheet ED112

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

1. Added general notes.
2. Added existing and demo devices.

60. Sheet EP101

A. Refer to revised full size drawing, included in this Addendum, for the following revisions:
   1. Added flat panels.
   2. Added sheet notes.
   3. Added cooler and freezer condensing units.
   4. Removed floor boxes.

61. Sheet EP102

A. Refer to revised full size drawing, included in this Addendum, for the following revisions:
   1. Added sheet notes.
   2. Clarified locations of devices.

62. Sheet EP103

A. Refer to revised full size drawing, included in this Addendum, for the following revisions:
   1. Added kitchen exhaust and supply fans.

63. Sheet EL111

A. Refer to revised full size drawing, included in this Addendum, for the following revisions:
   1. Added and revised locations of lighting fixtures.
   2. Added light switch.
   3. Revised exit sign location.

64. Sheet EP110

A. Refer to revised full size drawing, included in this Addendum, for the following revisions:
   1. Added card reader and door strike.
   2. Added sheet note.
   3. Revised ECH-1 circuitry.

65. Sheet EP111

A. Refer to revised full size drawing, included in this Addendum, for the following revisions:
   1. Removed door hardware.
   2. Removed low voltage rog-is from classrooms.
   3. Added ECH-1.

66. Sheet E-401

A. Refer to revised full size drawing, included in this Addendum, for the following revisions:
   1. Revised location of kitchen equipment.
   2. Removed floor box.

67. Sheet E-501

A. Refer to revised full size drawing, included in this Addendum, for the following revisions:
   1. Revised Panel 1L4 to be 225A.
   2. Revised Panel 1L4 feeder size.

68. Sheet E-503

A. Refer to revised full size drawing, included in this Addendum, for the following revisions:
   1. Removed fixtures AD and AD1.
   2. Added fixture PB.

69. Sheet E-601

A. Refer to revised full size drawing, included in this Addendum, for the following revisions:
   1. Revised AC-1.2,3 and CU-1,2,3.
   2. Revised circuitry in CLP-1.
   3. Added electric heat connection schedule.

70. Sheet E-603

A. Refer to revised full size drawing, included in this Addendum, for the following revisions:
   1. Revised main ratings for Panels 1H2, 1H1, and 2H1.
   2. Added and revised circuitry to Panel KP-1.
   3. Revised mounting for Panel KP-1.

71. Sheet E-604

A. Refer to revised full size drawing, included in this Addendum, for the following revisions:
   1. Revised main ratings for Panels 1L1, 1L3, and 1L4.
   2. Added circuitry to Panels 1L2, 1L3 and 1L4.

72. Sheet E-605

A. Refer to revised full size drawing, included in this Addendum, for the following revisions:
   1. Revised main ratings for Panels 2L1, 2L2, 2L3, and EM-TECH.

73. Sheet TD-110

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

74. Sheet TD-111

A. Refer to revised full size drawing, included in this Addendum, for the following revisions:
   1. Changed scale of overall demo plan.
   2. Remove 1/8 scale plan; moved to new Drawing Sheet TD-112.

75. Sheet TD-112

A. Add new full size drawing, included in this Addendum, to Bid set.

76. Sheet T-101

A. Refer to revised full size drawing, included in this Addendum, for the following revisions:
   1. Waiting 104: Added FP television to west wall.
   2. Meeting Room 108: Added (2) FP televisions to east and west walls at 9' AFF.
   3. Passage 135: Added two FP televisions on columns along the west side of the space.
   4. Collaboration 121: Added one new outlet location and increased the cable requirements for the balance of the outlets.

5. Director 123, Tech 124, Tech 125, Tech 126, Tech 127, Tech 128: Increased the cable quantity in the outlet.

77. Sheet T-110

A. Refer to revised full size drawing, included in this Addendum, for added room names and numbers.

78. Sheet T-111

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

1. Added room names and numbers.
2. Room A-101A: Remove access control devices from door.

79. Sheet T-402

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

1. Detail 1: Added rack type identification.

80. Sheet T-501

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

1. Added Sheet T-501 Outlet Details.

81. Sheet T-502

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

1. Added Sheet T-502 Outlet Details.

82. Sheet T-503

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

1. Added Sheet T-503 Room Details.

Pages 1 through 11, inclusive, Specification Sections 08 71 00 and 14 24 00, and Eighty-Two (82) Full-Size Drawings, constitute the total makeup of **Addendum Two**.

GIBRALTAR DESIGN

Joseph P. Briggs

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SECTION 08 71 00
DOOR HARDWARE

PART 1 - GENERAL

1.01 RELATED DOCUMENTS

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

1.02 SUMMARY

A. Section includes:

1. Mechanical and electrified door hardware for:

   a. Swinging doors.

2. Electronic access control system components, including:

   a. Electronic access control devices.

3. Field verification, preparation and modification of existing doors and frames to receive new door hardware.

4. The intent of the hardware specification is to specify the hardware for interior and exterior doors, and to establish a type, continuity, and standard of quality. However, it is the door hardware supplier's responsibility to thoroughly review existing conditions, schedules, specifications, drawings, and other Contract Documents to verify the suitability of the hardware specified.

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

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

C. Related Sections:

1. Division 01 Section "Alternates" for alternates affecting this section.
2. Division 07 Section "Joint Sealants" for sealant requirements applicable to threshold installation specified in this section.

3. Division 09 sections for touchup, finishing or refinishing of existing openings modified by this section.
4. Division 26 sections for connections to electrical power system and for low-voltage wiring.
5. Division 28 sections for coordination with other components of electronic access control system.

1.03 REFERENCES

A. UL - Underwriters Laboratories

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

B. DHI - Door and Hardware Institute

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

C. ANSI - American National Standards Institute

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

1.04 SUBMITTALS

A. General:

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

B. Action Submittals:

1. Product Data: Technical product data for each item of door hardware, installation instructions, maintenance of operating parts and finish, and other information necessary to show compliance with requirements.
2. Riser and Wiring Diagrams: After final approval of hardware schedule, submit details of electrified door hardware, indicating:

   a. Wiring Diagrams: For power, signal, and control wiring and including:

1) Details of interface of electrified door hardware and building safety and security systems.
2) Schematic diagram of systems that interface with electrified door hardware.
3) Point-to-point wiring.
4) Risers.

3. Samples for Verification: If requested by Architect, submit production sample or sample installations of each type of exposed hardware unit in finish indicated, and tagged with full description for coordination with schedule.

   a. Samples will be returned to supplier. Units that are acceptable to Architect may, after final check of operations, be incorporated into Work, within limitations of key coordination requirements.

4. Door Hardware Schedule: Submit schedule with hardware sets in vertical format as illustrated by Sequence of Format for the Hardware Schedule as published by the Door and Hardware Institute. Indicate complete designations of each item required for each door or opening, include:

   a. Door Index; include door number, heading number, and Architects hardware set number.
   b. Opening Lock Function Spreadsheet: List locking device and function for each opening.
   c. Quantity, type, style, function, size, and finish of each hardware item.
   d. Name and manufacturer of each item.
   e. Fastenings and other pertinent information.
   f. Location of each hardware set cross-referenced to indications on Drawings.
   g. Explanation of all abbreviations, symbols, and codes contained in schedule.
   h. Mounting locations for hardware.
   i. Door and frame sizes and materials.
   j. Name and phone number for local manufacturer's representative for each product.
   k. Operational Description of openings with any electrified hardware (locks, exits, electromagnetic locks, electric strikes, automatic operators, door position switches, magnetic holders or closer/holder units, and access control components). Operational description should include operational descriptions for: egress, ingress (access), and fire/smoke alarm connections.
   l. Submittal Sequence: After field verifying existing conditions, submit door hardware schedule, including and noting any adjustments required based on field verification of existing conditions, concurrent with submissions of Product Data, Samples, and Shop Drawings; Coordinate submission of door hardware schedule with scheduling requirements of other work to facilitate fabrication of other work that is critical in Project construction schedule.

5. Key Schedule:

   a. After Keying Conference, provide keying schedule listing levels of keying as well as explanation of key system's function, key symbols used and door numbers controlled.

b. Use ANSI/BHMA A156.28 "Recommended Practices for Keying Systems" as guideline for nomenclature, definitions, and approach for selecting optimal keying system.
c. Provide 3 copies of keying schedule for review prepared and detailed in accordance with referenced DHI publication. Include schematic keying diagram and index each key to unique door designations.
d. Index keying schedule by door number, keyset, hardware heading number, cross keying instructions, and special key stamping instructions.
e. Provide one complete bitting list of key cuts and one key system schematic illustrating system usage and expansion.
   1) Forward bitting list, key cuts and key system schematic directly to Owner, by means as directed by Owner.

f. Prepare key schedule by or under supervision of supplier, detailing Owner's final keying instructions for locks.

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

C. Informational Submittals:

1. Qualification Data: For Supplier, Installer and Architectural Hardware Consultant.
2. Product data for electrified door hardware:

   a. Certify that door hardware approved for use on types and sizes of labeled fire-rated doors complies with listed fire-rated door assemblies.

3. Certificates of Compliance:

   a. UL listings for fire-rated hardware and installation instructions if requested by Architect or Authority Having Jurisdiction.
   b. Installer Training Meeting Certification: Letter of compliance, signed by Contractor, attesting to completion of installer training meeting specified in "QUALITY ASSURANCE" article, herein.
   c. Electrified Hardware Coordination Conference Certification: Letter of compliance, signed by Contractor, attesting to completion of electrified hardware coordination conference, specified in "QUALITY ASSURANCE" article, herein.

4. Warranty: Special warranty specified in this Section.

D. Closeout Submittals:

1. Operations and Maintenance Data: Provide in accordance with Division 01 and include:

   a. Complete information on care, maintenance, and adjustment; data on repair and replacement parts, and information on preservation of finishes.
   b. Catalog pages for each product.
   c. Factory order acknowledgement numbers (for warranty and service)

d. Name, address, and phone number of local representative for each manufacturer.
e. Parts list for each product.
f. Final approved hardware schedule, edited to reflect conditions as-installed.
g. Final keying schedule
h. Copies of floor plans with keying nomenclature
i. As-installed wiring diagrams for each opening connected to power, both low voltage and 110 volts.
j. Copy of warranties including appropriate reference numbers for manufacturers to identify project.

1.05 QUALITY ASSURANCE

A. Requirements of Regulatory Agencies:

1. Furnish finish hardware to comply with the requirements of laws, codes, ordinances, and regulations of the governmental authorities having jurisdiction where such requirements exceed the requirements of the Specifications.
2. Furnish finish hardware to comply with the requirements of the regulations for public building accommodations for physically handicapped persons of the governmental authority having jurisdiction and to comply with Americans with Disabilities Act.
3. Provide hardware for fire rated openings in compliance with NFPA 80 and state and local building code requirements. Provide only hardware that has been tested and listed by UL for types and sizes of doors required and complies with requirements of door and door frame labels.

B. Supplier:

1. Mechanical Hardware

a. Shall be an established firm dealing in contract builders' hardware. Distributor must have adequate inventory, qualified personnel on staff and be located within 100 miles of the project. The distributor must be a factory-authorized dealer for all materials required. The supplier shall be or have in employment an Architectural Hardware Consultant (AHC).
b. Door Hardware distributor/supplier listed on the Bid Form shall be a factory authorized distributor for the hardware specified. This requirement will not be allowed to be med by a non-factory authorized dealer subcontracting to a factory authorized dealer. Any submitted bid that attempts to circumvent this requirement will be considered non-response and will be removed from consideration.

2. Electrified Hardware:

a. Shall be an experienced door hardware supplier who has completed projects with electrified door hardware similar in material, design, and extent to that indicated for this project, whose work has resulted in construction with a record of successful in-service performance, and who is acceptable to manufacturer

of primary materials. The supplier must be a factory-authorized distributor for all materials required.

b. Shall prepare data for electrified door hardware, including shop drawings, based on testing and engineering analysis of manufacturer's standard units in assemblies similar to those indicated for this project.
c. Shall have experience in providing consulting services for electrified door hardware installations.

C. Installer Qualifications:

1. Qualified tradesmen, skilled in application of commercial grade hardware with record of successful in-service performance for installing door hardware similar in quantity, type, and quality to that indicated for this Project.

D. Architectural Hardware Consultant Qualifications: Person who is experienced in providing consulting services for door hardware installations that are comparable in material, design, and extent to that indicated for this Project and meets these requirements:

1. For door hardware, DHI-certified, Architectural Hardware Consultant (AHC).
2. Can provide installation and technical data to Architect and other related subcontractors.
3. Can inspect and verify components are in working order upon completion of installation.
4. Capable of producing wiring diagrams.
5. Capable of coordinating installation of electrified hardware with Architect and electrical engineers.

E. Single Source Responsibility: Obtain each type of door hardware from single manufacturer.

F. Fire-Rated Door Openings: Provide door hardware for fire-rated openings that complies with NFPA 80 and requirements of authorities having jurisdiction. Provide only items of door hardware that are listed products tested by Underwriters Laboratories, Intertek Testing Services, or other testing and inspecting organizations acceptable to authorities having jurisdiction for use on types and sizes of doors indicated, based on testing at positive pressure and according to NFPA 252 or UL 10C and in compliance with requirements of fire-rated door and door frame labels.

G. Electrified Door Hardware: Listed and labeled as defined in NFPA 70, Article 100, by testing agency acceptable to authorities having jurisdiction.

H. Accessibility Requirements: For door hardware on doors in an accessible route, comply with governing accessibility regulations cited in "REFERENCES" article, herein.

I. Field Verification Conference

1. To ensure design intent can be met after verification of existing conditions, conduct an onsite door by door review of the submittal

2. Conduct the meeting with the architect and the owner to complete a final verification of how each door will function, including product to be supplied.

J. Keying Conference

1. Incorporate keying conference decisions into final keying schedule after reviewing door hardware keying system including:

   a. Function of building, flow of traffic, purpose of each area, degree of security required, and plans for future expansion.
   b. Preliminary key system schematic diagram.
   c. Requirements for key control system.
   d. Requirements for access control.
   e. Address for delivery of keys.

2. Attendees of Keying Conference: Owner, Contractor, Architect, Installer, Owner's security consultant and Supplier's Architectural Hardware Consultant.

K. Pre-installation Conference

1. Review and finalize construction schedule and verify availability of materials, Installer's personnel, equipment, and facilities needed to make progress and avoid delays.
2. Inspect and discuss preparatory work performed by other trades.
3. Inspect and discuss electrical roughing-in for electrified door hardware.
4. Review sequence of operation for each type of electrified door hardware.
5. Review required testing, inspecting, and certifying procedures.

L. Coordination Conferences:

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

1.06 DELIVERY, STORAGE, AND HANDLING

A. Inventory door hardware on receipt and provide secure lock-up for hardware delivered to Project site.

B. Tag each item or package separately with identification coordinated with final door hardware schedule, and include installation instructions, templates, and necessary fasteners with each item or package.

1. Deliver each article of hardware in manufacturer's original packaging.

C. Project Conditions:

1. Maintain manufacturer-recommended environmental conditions throughout storage and installation periods.
2. Provide secure lock-up for door hardware delivered to Project. Control handling and installation of hardware items so that completion of Work will not be delayed by hardware losses both before and after installation.

D. Protection and Damage:

1. Promptly replace products damaged during shipping.
2. Handle hardware in manner to avoid damage, marring, or scratching. Correct, replace or repair products damaged during Work.
3. Protect products against malfunction due to paint, solvent, cleanser, or any chemical agent.

E. Deliver keys to Owner by registered mail or overnight package service.

1.07 COORDINATION

A. Coordinate layout and installation of floor-recessed door hardware with floor construction. Cast anchoring inserts into concrete.

B. Installation Templates: Distribute for doors, frames, and other work specified to be factory or shop prepared. Check Shop Drawings of other work to confirm that adequate provisions are made for locating and installing door hardware to comply with indicated requirements.

C. Security: Coordinate installation of door hardware, access control, and keying with Owner's security consultant.

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

E. Existing Openings: Where existing doors, frames and/or hardware are to remain, field verify existing functions, conditions and preparations and coordinate to suit opening conditions and to provide proper door operation.

1.08 WARRANTY

A. Warranty: Manufacturer's standard form in which manufacturer agrees to repair or replace components of door hardware that fail in materials or workmanship within specified warranty period.

1. Warranty Period: Beginning from date of Substantial Completion, for durations indicated.

a. Closers:
1) Mechanical: 30 years.

b. Automatic Operators: 2 years.
c. Exit Devices:
   1) Mechanical: 3 years.
   2) Electrified: 1 year.

d. Locksets:
   1) Mechanical: 3 years; Best 9K series, 10 years

e. Continuous Hinges: Lifetime warranty.
f. Key Blanks: Lifetime

2. Warranty does not cover damage or faulty operation due to improper installation, improper use or abuse.

1.09 MAINTENANCE

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

PART 2 - PRODUCTS

2.01 MANUFACTURERS

A. The Owner requires use of certain products for their unique characteristics and project suitability to insure continuity of existing and future performance and maintenance standards. After investigating available product offerings, the Awarding Authority has elected to prepare proprietary specifications. These products are specified with the notation: "No Substitute."

   1. Where "No Substitute" is noted, submittals and substitution requests for other products will not be considered.

B. Approval of manufacturers and/or products other than those listed as "Scheduled Manufacturer" or "Acceptable Manufacturers" in the individual article for the product category shall be in accordance with QUALITY ASSURANCE article, herein.

C. Approval of products from manufacturers indicated in "Acceptable Manufacturers" is contingent upon those products providing all functions and features and meeting all requirements of scheduled manufacturer's product.

D. Where specified hardware is not adaptable to finished shape or size of members requiring hardware, furnish suitable types having same operation and quality as type specified, subject to Architect's approval.

2.02 MATERIALS

A. Fasteners

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

B. Modification and Preparation of Existing Doors: Where existing door hardware is indicated to be removed and reinstalled.

1. Provide necessary fillers, Dutchmen, reinforcements, and fasteners, compatible with existing materials, as required for mounting new opening hardware and to cover existing door and frame preparations.
2. Use materials which match materials of adjacent modified areas.
3. When modifying existing fire-rated openings, provide materials permitted by NFPA 80 as required to maintain fire-rating.

C. Provide screws, bolts, expansion shields, drop plates and other devices necessary for hardware installation.

1. Where fasteners are exposed to view: Finish to match adjacent door hardware material.

2.03 HINGES

A. Manufacturers and Products:

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

B. Requirements:

1. Provide hinges conforming to ANSI/BHMA A156.1.
2. 1-3/4 inch (44 mm) thick doors, up to and including 36 inches (914 mm) wide:

   a. Exterior: Standard weight, bronze or stainless steel, 4-1/2 inches (114 mm) high
   b. Interior: Standard weight, steel, 4-1/2 inches (114 mm) high

3. 1-3/4 inch (44 mm) thick doors over 36 inches (914 mm) wide:

a. Exterior: Heavy weight, bronze/stainless steel, 5 inches (127 mm) high
b. Interior: Heavy weight, steel, 5 inches (127 mm) high

4. 2 inches or thicker doors:

a. Exterior: Heavy weight, bronze or stainless steel, 5 inches (127 mm) high
b. Interior: Heavy weight, steel, 5 inches (127 mm) high

5. Provide three hinges per door leaf for doors 90 inches (2286 mm) or less in height, and one additional hinge for each 30 inches (762 mm) of additional door height.
6. Where new hinges are specified for existing doors or existing frames, provide new hinges of identical size to hinge preparation present in existing door or existing frame.
7. Hinge Pins: Except as otherwise indicated, provide hinge pins as follows:

a. Steel Hinges: Steel pins
b. Non-Ferrous Hinges: Stainless steel pins
c. Out-Swinging Exterior Doors: Non-removable pins
d. Out-Swinging Interior Lockable Doors: Non-removable pins
e. Interior Non-lockable Doors: Non-rising pins

8. Width of hinges: 4-1/2 inches (114 mm) at 1-3/4 inch (44 mm) thick doors, and 5 inches (127 mm) at 2 inches (51 mm) or thicker doors. Adjust hinge width as required for door, frame, and wall conditions to allow proper degree of opening.

2.04 CONTINUOUS HINGES

A. Aluminum Geared

1. Manufacturers:

a. Scheduled Manufacturer: Ives.
b. Acceptable Manufacturers: Pemko, Select.

2. Requirements:

a. Provide aluminum geared continuous hinges conforming to ANSI/BHMA A156.26, Grade 1.
b. Provide aluminum geared continuous hinges, where specified in the hardware sets, fabricated from 6063-T6 aluminum.
c. Provide split nylon bearings at each hinge knuckle for quiet, smooth, self-lubricating operation.
d. Provide hinges capable of supporting door weights up to 450 pounds, and successfully tested for 1,500,000 cycles.
e. On fire-rated doors, provide aluminum geared continuous hinges that are classified for use on rated doors by testing agency acceptable to authority having jurisdiction.
f. Provide aluminum geared continuous hinges with electrified option scheduled in the hardware sets. Provide with sufficient number and wire gage to accommodate electric function of specified hardware.

g. Install hinges with fasteners supplied by manufacturer.

2.05 ELECTRIC POWER TRANSFER

A. Manufacturers:

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

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

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

2.06 FLUSH BOLTS

A. Manufacturers:

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

B. Requirements:

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

2.07 COORDINATORS

A. Manufacturers:

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

B. Requirements:

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

strikes or other stop mounted hardware. Factory-prepared coordinators for vertical rod devices as specified.

2.08 MORTISE LOCKS

A. Manufacturers and Products:

1. Scheduled Manufacturer and Product: Best 45H series.
2. Acceptable Manufacturers and Products: No Substitutions – Facility Standard.

B. Requirements:

1. Provide mortise locks conforming to ANSI/BHMA A156.13 Series 1000, Grade 1, and UL Listed for 3 hour fire doors.
2. Indicators: Where specified, provide indicator window measuring a minimum 2 inch x 1/2 inch with 180 degree visibility. Provide messages color-coded with full text and/or symbols, as scheduled, for easy visibility.

    a. Inside Security Indicator: Provide indicator above cylinder or thumbturn for visibility during lockdown that identifies the outside trim as locked/unlocked status of the door.
    b. Outside Status Indicator: Provide indicator above cylinder for visibility that identifies the outside trim as locked/unlocked status of the door.
    c. Outside Occupancy Indicator: Provide indicator above cylinder or emergency release for visibility while operating the lock that identifies an occupied/unoccupied status of the lock or latch.

3. Provide locks manufactured from heavy gauge steel, containing components of steel with a zinc dichromate plating for corrosion resistance.
4. Provide lock case that is multi-function and field reversible for handing without opening case. Cylinders: Refer to "KEYING" article, herein.
5. Verify lock functions with owner prior to ordering.
6. Install thumb turns so they are in vertical position when doors are unlocked and in horizontal position when doors are locked.
7. Install thumb turns so they are in vertical position when doors are unlocked and in horizontal position when doors are locked.
8. Provide locks with standard 2-3/4 inches (70 mm) backset with full 3/4 inch (19 mm) throw stainless steel mechanical anti-friction latchbolt. Provide deadbolt with full 1 inch (25 mm) throw, constructed of stainless steel.
9. Provide standard ASA strikes unless extended lip strikes are necessary to protect trim.
10. Provide electrified options as scheduled in the hardware sets. Where scheduled, provide switches and sensors integrated into the locks and latches.
11. Provide motor based electrified locksets with electrified options as scheduled in the hardware sets and comply with the following requirements:

    a. Universal input voltage – single chassis accepts 12 or 24V DC to allow for changes in the field without changing lock chassis.

b. Fail Safe/Fail Secure – changing mode between electrically locked (fail safe) and electrically unlocked (fail secure) is field selectable without opening the lock case
c. Low maximum current draw – maximum 0.4 amps to allow for multiple locks on a single power supply.
d. Low holding current – maximum 0.01 amps to produce minimal heat, eliminate "hot levers" in electrically locked applications, and to provide reliable operation in wood doors that provide minimal ventilation and air flow.
e. Request to Exit Switch (RX) –
    1) Modular Design – provide electrified locks capable of using, adding, or changing a modular RX switch without opening the lock case.
    2) Monitoring – where scheduled, provide a request to exit (RX) switch that detects rotation of the inside lever.

12. Lever Trim: Solid brass, bronze, or stainless steel, cast or forged in design specified, with wrought roses and external lever spring cages. Provide thru-bolted levers with 2-piece spindles.

    a. Lever Design: Best 14S.
    b. Tactile Warning (Knurling): Where required by authority having jurisdiction. Provide on levers on exterior (secure side) of doors serving rooms considered to be hazardous.

2.09 CYLINDRICAL LOCKS – GRADE 1

A. Manufacturers and Products:

1. Scheduled Manufacturer and Product: Best 9K Series.
~~2.~~ Acceptable Manufacturers and Products: No Substitutions – Facility Standard.

B. Requirements:

1. Provide cylindrical locks conforming to ANSI/BHMA A156.2 Series 4000, Grade 1, and UL Listed for 3 hour fire doors.
2. Cylinders: Refer to "KEYING" article, herein.
3. Verify lock functions with owner prior to ordering.
4. Provide locks with standard 2-3/4 inches (70 mm) backset, unless noted otherwise, with 1/2 inch latch throw. Provide proper latch throw for UL listing at pairs.
5. Provide locksets with separate anti-rotation thru-bolts, and no exposed screws.
6. Provide independently operating levers with two external return spring cassettes mounted under roses to prevent lever sag.
7. Provide standard ASA strikes unless extended lip strikes are necessary to protect trim.
8. Lever Trim: Solid cast levers without plastic inserts and wrought roses on both sides.

    a. Lever Design: Best Verify and Match existing lever style.
    b. Tactile Warning (Knurling): Where required by authority having jurisdiction. Provide on levers on exterior (secure side) of doors serving rooms considered to be hazardous.

2.10 AUXILIARY LOCKS

A. Deadlocks:

1. Manufacturers and Products:

   a. Scheduled Manufacturer and Product: Best 48H series.
   b. Acceptable Manufacturers and Products: No Substitutions – Owners Standard.

2. Requirements:

   a. Provide mortise deadlock series conforming to ANSI/BHMA A156 and function as specified.
   b. Cylinders: Refer to "KEYING" article, herein.
   c. Provide deadlocks with standard 2-3/4 inches (70 mm) backset. Provide deadbolt with full 1 inch (25 mm) throw, constructed of stainless steel.
   d. Provide manufacturer's standard strike.

2.11 EXIT DEVICES

A. Manufacturers and Products:

1. Scheduled Manufacturer and Product: Von Duprin 98/35A series.
2. Acceptable Manufacturers and Products: No Substitutions – Facility Standard.

B. Requirements:

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

13. Removable Mullions: 2 inches (51 mm) x 3 inches (76 mm) steel tube. Where scheduled as keyed removable mullion, provide type that can be removed by use of a keyed cylinder, which is self-locking when re-installed.
14. Provide factory drilled weep holes for exit devices used in full exterior application, highly corrosive areas, and where noted in hardware sets.
15. Provide electrified options as scheduled.
16. Top latch mounting: double or single tab mount for steel doors, face mount for aluminum doors eliminating requirement of tabs, and double tab mount for wood doors.
17. Provide exit devices with optional trim designs to match other lever and pull designs used on the project.

    a. Tactile Warning (Knurling): Where required by authority having jurisdiction. Provide on levers on exterior (secure side) of doors serving rooms considered to be hazardous.

2.12 POWER SUPPLIES

A. Manufacturers and Products:

1. Scheduled Manufacturer and Product: Schlage or Von Duprin PS900 series
2. Acceptable Manufacturers and Products: Precision ELR series, Securitron BPS series

B. Requirements:

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

    a. Provide power supply, where specified, with internal capability of charging sealed backup batteries 24 VDC, in addition to operating DC load.
    b. Provide sealed batteries for battery back-up at each power supply where specified.
    c. Provide keyed power supply cabinet.

6. Provide power supply in an enclosure, complete, and requiring 120VAC to fused input.

7. Provide power supply with emergency release terminals, where specified, that allow release of all devices upon activation of fire alarm system complete with fire alarm input for initiating "no delay" exiting mode.

2.13 CYLINDERS

A. Manufacturers:

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

B. Requirements:

1. Provide cylinders/cores, from the same manufacturer of locksets, compliant with ANSI/BHMA A156.5; latest revision, Section 12, Grade 1; permanent cylinders; cylinder face finished to match lockset, manufacturer's series as indicated. Refer to "KEYING" article, herein.
2. Provide cylinders in the below-listed configuration(s), distributed throughout the Project as indicated.

    a. Match owner's existing system.
    b. Cylinder/Core Type: Small Format Interchangeable Core (SFIC).

3. Nickel silver bottom pins.
4. Replaceable Construction Cores.

    a. Provide temporary construction cores replaceable by permanent cores, furnished in accordance with the following requirements.
        1) 2 construction control keys.
        2) 12 construction change (day) keys.

2.14 KEYING

A. Provide a factory registered keying system, complying with guidelines in ANSI/BHMA A156.28, incorporating decisions made at keying conference.

B. Requirements:

1. Provide keying system capable of multiplex masterkeying.
2. Permanent cylinders/cores keyed by the manufacturer according to the following key system.

    a. Keying system as directed by the Owner.
    b. Match Owner's existing system.
    c. (Great)Grand Master Key System: Cylinders/cores operated by change (day) keys and subsequent masters (including grand/great grand) keys.

3. Forward bitting list and keys separately from cylinders, by means as directed by Owner. Failure to comply with forwarding requirements shall be cause for replacement of cylinders/cores involved at no additional cost to Owner.
4. Provide keys with the following features:

    a. Material: Nickel silver; minimum thickness of .107-inch (2.3mm).

5. Identification:

    a. Mark permanent cylinders/cores and keys with applicable blind code per DHI publication "Keying Systems and Nomenclature" for identification. Blind code marks shall not include actual key cuts.
    b. Identification stamping provisions must be approved by the Architect and Owner.
    c. Stamp keys with Owner's unique key system facility code as established by the manufacturer; key symbol and embossed or stamped with "DO NOT DUPLICATE".
    d. Failure to comply with stamping requirements shall be cause for replacement of keys involved at no additional cost to Owner.
    e. Verify with owner if permanent cylinders/cores and/or keys are to be shipped directly to Owner or to Contractor.

6. Quantity: Furnish in the following quantities.

    a. Change (Day) Keys: 3 per cylinder/core.
    b. Permanent Control Keys: 3 (if required).
    c. Master Keys: 6 per master.
    d. Unused balance of key blanks shall be furnished to Owner with the cut keys.

2.15 KEY CONTROL SYSTEM

A. Manufacturers:

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

B. Requirements:

1. Provide key control system, including envelopes, labels, tags with self-locking key clips, receipt forms, 3-way visible card index, temporary markers, permanent markers, and standard metal cabinet, all as recommended by system manufacturer, with capacity for 150% of number of locks required for Project.

    a. Provide complete cross index system set up by hardware supplier, and place keys on markers and hooks in cabinet as determined by final key schedule.
    b. Provide hinged-panel type cabinet for wall mounting.

2.16 DOOR CLOSERS

A. Manufacturers and Products:

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

B. Requirements:

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

2.17 ELECTRO-HYDRAULIC AUTOMATIC OPERATORS

A. Manufacturers and Products:

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

B. Requirements:

1. Provide low energy automatic operator units with hydraulic closer complying with ANSI/BHMA A156.19.
2. Hydraulic Fluid: Fireproof, passing requirements of UL10C, and requiring no seasonal closer adjustment for temperatures ranging from 120 degrees F to -30 degrees F.

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

2.18 DOOR TRIM

A. Manufacturers:

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

B. Requirements:

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

7. Provide wire pulls of solid bar stock, diameter and length as scheduled.
8. Provide decorative pulls as scheduled. Where required, mount back to back with pull.

2.19 PROTECTION PLATES

A. Manufacturers:

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

B. Requirements:

1. Provide kick plates, mop plates, and armor plates minimum of 0.050 inch (1 mm) thick, beveled four edges as scheduled. Furnish with sheet metal or wood screws, finished to match plates.
2. Sizes of plates:

   a. Kick Plates: 10 inches (254 mm) high by 1 1/2 inches (38 mm) less width of door on single doors, 1 inch (25 mm) less width of door on pairs
   b. Mop Plates: 4 inches (102 mm) high by 1 1/2 inches (38 mm) less width of door on single doors, 1 inch (25 mm) less width of door on pairs
   c. Armor Plates: 36 inches (914 mm) high by 1 1/2 inches (38 mm) less width of door on single doors, 1 inch (25 mm) less width of door on pairs

2.20 OVERHEAD STOPS AND OVERHEAD STOP/HOLDERS

A. Manufacturers:

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

B. Requirements:

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

2.21 DOOR STOPS AND HOLDERS

A. Manufacturers:

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

B. Provide door stops at each door leaf:

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

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

A. Manufacturers:

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

B. Requirements:

1. Provide thresholds, weather-stripping (including door sweeps, seals, and astragals) and gasketing systems (including smoke, sound, and light) as specified and per architectural details. Match finish of other items.
2. Smoke- and Draft-Control Door Assemblies: Where smoke- and draft-control door assemblies are required, provide door hardware that meets requirements of assemblies tested according to UL 1784 and installed in compliance with NFPA 105.
3. Size of thresholds:

    a. Saddle Thresholds: 1/2 inch (13 mm) high by jamb width by door width
    b. Bumper Seal Thresholds: 1/2 inch (13 mm) high by 5 inches (127 mm) wide by door width

4. Provide door sweeps, seals, astragals, and auto door bottoms only of type where resilient or flexible seal strip is easily replaceable and readily available.

2.23 SILENCERS

A. Manufacturers:

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

B. Requirements:

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

2.24 DOOR POSITION SWITCHES

A. Manufacturers:

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

B. Requirements:

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

2.25 FINISHES

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

PART 3 - EXECUTION

3.01 EXAMINATION

A. Prior to installation of hardware, examine doors and frames, with Installer present, for compliance with requirements for installation tolerances, labeled fire-rated door assembly construction, wall and floor construction, and other conditions affecting performance.

B. Field verify existing doors and frames receiving new hardware and existing conditions receiving new openings. Verify that new hardware is compatible with existing door and frame preparation and existing conditions.

C. Examine roughing-in for electrical power systems to verify actual locations of wiring connections before electrified door hardware installation.

D. Proceed with installation only after unsatisfactory conditions have been corrected.

3.02 PREPARATION

A. Where on-site modification of doors and frames is required:

1. Carefully remove existing door hardware and components being reused. Clean, protect, tag, and store in accordance with storage and handling requirements specified herein.
2. Field modify and prepare existing door and frame for new hardware being installed.
3. When modifications are exposed to view, use concealed fasteners, when possible.
4. Prepare hardware locations and reinstall in accordance with installation requirements for new door hardware and with:

   a. Steel Doors and Frames: For surface applied door hardware, drill and tap doors and frames according to ANSI/SDI A250.6.
   b. Wood Doors: DHI WDHS.5 "Recommended Hardware Reinforcement Locations for Mineral Core Wood Flush Doors."
   c. Doors in rated assemblies: NFPA 80 for restrictions on on-site door hardware preparation.

3.03 INSTALLATION

A. Mount door hardware units at heights to comply with the following, unless otherwise indicated or required to comply with governing regulations.

1. Standard Steel Doors and Frames: ANSI/SDI A250.8.
2. Custom Steel Doors and Frames: HMMA 831.
3. Wood Doors: DHI WDHS.3, "Recommended Locations for Architectural Hardware for Wood Flush Doors."
4. Installation Guide for Doors and Hardware: DHI TDH-007-20

B. Install each hardware item in compliance with manufacturer's instructions and recommendations, using only fasteners provided by manufacturer.

C. Do not install surface mounted items until finishes have been completed on substrate. Protect all installed hardware during painting.

D. Set units level, plumb and true to line and location. Adjust and reinforce attachment substrate as necessary for proper installation and operation.

E. Drill and countersink units that are not factory prepared for anchorage fasteners. Space fasteners and anchors according to industry standards.

F. Install operating parts so they move freely and smoothly without binding, sticking, or excessive clearance.

G. Hinges: Install types and in quantities indicated in door hardware schedule but not fewer than quantity recommended by manufacturer for application indicated or one hinge for every 30 inches (750 mm) of door height, whichever is more stringent, unless

other equivalent means of support for door, such as spring hinges or pivots, are provided.

H. Lock Cylinders: Install construction cores to secure building and areas during construction period.

1. Replace construction cores with permanent cores as indicated in keying section.

I. Wiring: Coordinate with Division 26, ELECTRICAL sections for:

1. Conduit, junction boxes and wire pulls.
2. Connections to and from power supplies to electrified hardware.
3. Connections to fire/smoke alarm system and smoke evacuation system.
4. Connection of wire to door position switches and wire runs to central room or area, as directed by Architect.
5. Testing and labeling wires with Architect's opening number.

J. Key Control System: Tag keys and place them on markers and hooks in key control system cabinet, as determined by final keying schedule.

K. Door Closers: Mount closers on room side of corridor doors, inside of exterior doors, and stair side of stairway doors from corridors. Mount closers so they are not visible in corridors, lobbies and other public spaces unless approved by Architect.

L. Closer/Holders: Mount closer/holders on room side of corridor doors, inside of exterior doors, and stair side of stairway doors.

M. Power Supplies: Locate power supplies as indicated or, if not indicated, above accessible ceilings or in equipment room, or alternate location as directed by Architect.

N. Thresholds: Set thresholds in full bed of sealant complying with requirements specified in Division 07 Section "Joint Sealants."

O. Stops: Provide floor stops for doors unless wall or other type stops are indicated in door hardware schedule. Do not mount floor stops where they may impede traffic or present tripping hazard.

P. Perimeter Gasketing: Apply to head and jamb, forming seal between door and frame.

Q. Meeting Stile Gasketing: Fasten to meeting stiles, forming seal when doors are closed.

R. Door Bottoms and Sweeps: Apply to bottom of door, forming seal with threshold when door is closed.

3.04 FIELD QUALITY CONTROL

A. Architectural Hardware Consultant: Engage qualified independent Architectural Hardware Consultant to perform inspections and to prepare inspection reports.

1. Architectural Hardware Consultant will inspect door hardware and state in each report whether installed work complies with or deviates from requirements, including whether door hardware is properly installed and adjusted.

3.05 FIELD INSPECTIONS:

A. Fire Door Assembly Inspection and Testing: Provide functional testing and inspection of fire door assemblies in accordance with NFPA 80-2007/2010. Inspections shall be performed by individuals certified by Intertek as a Fire Door Assembly Inspector, using reporting forms provided by the Door and Hardware Institute (DHI). Alternatively, inspections may be performed by individuals acceptable to the Architect, who have knowledge and understanding of the operating components of the applicable door type, and who have experience in preparing written reports of testing and inspection results.

1. Schedule fire door assembly inspection within 90 days of Substantial Completion of the Project.
2. Submit a signed, written final report as specified in Paragraph 1.4: Submittals.
3. Contractor shall correct all deficiencies and schedule a reinspection of fire door assemblies which were noted as deficient on the inspection report.
4. Inspector shall reinspect fire door assemblies after repairs are made.
5. Additional reinspections which are required due to incomplete repairs will be performed by the inspector at the expense of the Contractor.

B. Provide inspection of required egress door assemblies by a qualified person in accordance with NFPA 101.

1. Schedule egress door assembly inspection within 90 days of Substantial Completion of the Project for the required openings.
2. Submit a signed, written final report as specified in Paragraph 1.03.E.2.
3. Correct all deficiencies and schedule a reinspection of egress door assemblies noted as deficient on the inspection report.
4. Inspector to reinspect required egress door assemblies after repairs are made.

3.06 ADJUSTING

A. Initial Adjustment: Adjust and check each operating item of door hardware and each door to ensure proper operation or function of every unit. Replace units that cannot be adjusted to operate as intended. Adjust door control devices to compensate for final operation of heating and ventilating equipment and to comply with referenced accessibility requirements.

1. Door Closers: Adjust sweep period to comply with accessibility requirements and requirements of authorities having jurisdiction.

B. Occupancy Adjustment: Approximately three to six months after date of Substantial Completion, Installer's Architectural Hardware Consultant must examine and readjust

each item of door hardware, including adjusting operating forces, as necessary to ensure function of doors and door hardware.

3.07 CLEANING AND PROTECTION

A. Clean adjacent surfaces soiled by door hardware installation.

B. Clean operating items as necessary to restore proper function and finish.

C. Provide final protection and maintain conditions that ensure door hardware is without damage or deterioration at time of Substantial Completion.

3.08 DEMONSTRATION

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

3.09 DOOR HARDWARE SCHEDULE

A. The intent of the hardware specification is to specify the hardware for interior and exterior doors, and to establish a type, continuity, and standard of quality. However, it is the door hardware supplier's responsibility to thoroughly review existing conditions, schedules, specifications, drawings, and other Contract Documents to verify the suitability of the hardware specified.

B. Discrepancies, conflicting hardware, and missing items are to be brought to the attention of the architect with corrections made prior to the bidding process. Omitted items not included in a hardware set should be scheduled with the appropriate additional hardware required for proper application

C. Hardware items are referenced in the following hardware. Refer to the above-specifications for special features, options, cylinders/keying, and other requirements.

D. Hardware Sets: **NOTE that the hardware sets are set up into two groups, numbering is for each individual building accordingly and are required to be kept independent from each other.**

HARDWARE GROUP 'AR' FOR ALTERNATIVE ED AND RESOURCE CENTER:

HARDWARE GROUP NO. 01

For use on Door #(s):
A-105-B

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
3	EA	HINGE	5BB1 4.5 X 4.5 (NRP AS REQ'D)	652	IVE
1	EA	PRIVACY SET	45H 0 L 14S VIN	626	BES
1	EA	OH STOP	90S	630	GLY
1	EA	GASKETING	488SCL PSA	CL	ZER

HARDWARE GROUP NO. 02

For use on Door #(s):
A-101A-A A-105-A B-104-A

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
3	EA	HINGE	5BB1 4.5 X 4.5 (NRP AS REQ'D)	652	IVE
1	EA	PRIVACY SET	45H 0 L 14S VIN	626	BES
1	EA	WALL STOP	WS401/402CVX	626	IVE
1	EA	GASKETING	488SCL PSA	CL	ZER

HARDWARE GROUP NO. 03

For use on Door #(s):
A-106-A A-106-B

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
3	EA	HINGE	5BB1HW 4.5 X 4.5 (NRP AS REQ'D)	652	IVE
1	EA	PRIVACY SET	45H 0 L 14S VIN	626	BES
1	EA	WALL STOP	WS401/402CVX	626	IVE
1	EA	GASKETING	488SCL PSA	CL	ZER

HARDWARE GROUP NO. 04

For use on Door #(s):
A-104-B A-108-A B-107-A B-118-A B-120-A

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
3	EA	HINGE	5BB1 4.5 X 4.5 (NRP AS REQ'D)	652	IVE
1	EA	OFFICE LOCKSET	9K7 AB 14D	626	BES
1	EA	WALL STOP	WS401/402CVX	626	IVE
3	EA	SILENCER	SR64	GRY	IVE

HARDWARE GROUP NO. 05

For use on Door #(s):
B-103-A B-105-A

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
3	EA	HINGE	5BB1 4.5 X 4.5 (NRP AS REQ'D)	652	IVE
1	EA	CLASSROOM LOCKSET	9K7 R 14D	626	BES
1	EA	OH STOP	90S	630	GLY
3	EA	SILENCER	SR64	GRY	IVE

HARDWARE GROUP NO. 06

For use on Door #(s):
B-103-B B-108-A

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
3	EA	HINGE	5BB1 4.5 X 4.5 (NRP AS REQ'D)	652	IVE
1	EA	STOREROOM LOCKSET	9K7 D 14D	626	BES
1	EA	OH STOP	90S	630	GLY
3	EA	SILENCER	SR64	GRY	IVE

HARDWARE GROUP NO. 07

For use on Door #(s):
B-101-A

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
3	EA	HINGE	5BB1 4.5 X 4.5 (NRP AS REQ'D)	652	IVE
1	EA	POWER TRANSFER	EPT10	689	VON
1	EA	ELECTRIFIED LOCKSET	9K7 DEU 14D RQE	626	BES
1	EA	OH STOP	90S	630	GLY
1	EA	SURFACE CLOSER	4040XP RW/PA	689	LCN
1	EA	KICK PLATE	8400 10" X 1 1/2" LDW B-CS	630	IVE
3	EA	SILENCER	SR64	GRY	IVE
1	EA	MULTITECH READER	MTB11/15 - BY ACCESS CONTROL PROVIDER (COORDINATE W/ HEAD END AND CREDENTIAL TYPE)	BLK	SCE
1	EA	DESK MOUNT BUTTON	660-PB	628	SCE
1	EA	POWER SUPPLY	PS902 900-4R [COORDINATE WITH ACCESS CONTROL PROVIDER]	LGR	SCE
1	EA	DIAGRAM	ELEVATION		DLR
1	EA	DIAGRAM	POINT TO POINT		DLR

OPERATION: DOOR NORMALLY CLOSED AND LOCKED. VALID CREDENITAL OR REMOTE RELEASE AT RECEPTION DESK MOMENTARILY UNLOCKS DOOR ALLOWING ENTRY. DOOR REMAINS LOCKED UPON LOSS OF POWER. DOOR CONTACT TO MONITOR DOOR POSITION. RX SWITCH (INTEGRAL TO LOCKSET) SHUNTS DOOR CONTACT FOR VALID EGRESS. FREE EGRESS AT ALL TIMES.

HARDWARE GROUP NO. 08

For use on Door #(s):
B-102-A

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
3	EA	HINGE	5BB1 4.5 X 4.5 (NRP AS REQ'D)	652	IVE
1	EA	POWER TRANSFER	EPT10	689	VON
1	EA	ELECTRIFIED LOCKSET	9K7 DEU 14D RQE	626	BES
1	EA	SURFACE CLOSER	4040XP RW/PA	689	LCN
1	EA	KICK PLATE	8400 10" X 1 1/2" LDW B-CS	630	IVE
1	EA	WALL STOP	WS401/402CVX	626	IVE
3	EA	SILENCER	SR64	GRY	IVE
1	EA	MULTITECH READER	MTB11/15 - BY ACCESS CONTROL PROVIDER (COORDINATE W/ HEAD END AND CREDENTIAL TYPE)	BLK	SCE
1	EA	DOOR CONTACT	679-05WD/679-05HM AS REQ	BLK	SCE
1	EA	POWER SUPPLY	PS902 900-4R [COORDINATE WITH ACCESS CONTROL PROVIDER]	LGR	SCE
1	EA	DIAGRAM	ELEVATION		DLR
1	EA	DIAGRAM	POINT TO POINT		DLR

OPERATION: DOOR NORMALLY CLOSED AND LOCKED. VALID CREDENITAL MOMENTARILY UNLOCKS DOOR ALLOWING ENTRY. DOOR REMAINS LOCKED UPON LOSS OF POWER. DOOR CONTACTS TO MONITOR DOOR POSITION. RX SWITCH (INTEGRAL TO LOCK SET) SHUNTS DOOR CONTACT FOR VALID EGRESS. FREE EGRESS AT ALL TIMES.

HARDWARE GROUP NO. 09

NOT USED

HARDWARE GROUP NO. 10

For use on Door #(s):
B-101-B

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
3	EA	HINGE	5BB1 4.5 X 4.5 (NRP AS REQ'D)	652	IVE
1	EA	POWER TRANSFER	EPT10	689	VON
1	EA	ELECTRIFIED LOCK	45HW 7 WEU 14S RQE	626	BES
1	EA	SURFACE CLOSER	4040XP RW/PA	689	LCN
1	EA	KICK PLATE	8400 10" X 1 1/2" LDW B-CS	630	IVE
1	EA	WALL STOP	WS401/402CVX	626	IVE
3	EA	SILENCER	SR64	GRY	IVE
2	EA	MULTITECH READER	MTB11/15 - BY ACCESS CONTROL PROVIDER (COORDINATE W/ HEAD END AND CREDENTIAL TYPE)	BLK	SCE
1	EA	DESK MOUNT BUTTON	660-PB	628	SCE
1	EA	DOOR CONTACT	679-05WD/679-05HM AS REQ	BLK	SCE
1	EA	POWER SUPPLY	PS902 900-4R [COORDINATE WITH ACCESS CONTROL PROVIDER]	LGR	SCE
1	EA	DIAGRAM	ELEVATION		DLR
1	EA	DIAGRAM	POINT TO POINT		DLR

OPERATION: DOOR NORMALLY CLOSED AND LOCKED FROM BOTH SIDES. VALID CREDENITAL OR REMOTE RELEASE MOMENTARILY UNLOCKS DOOR ALLOWING ENTRY. DOOR REMAINS LOCKED UPON LOSS OF POWER. DOOR CONTACT TO MONITOR DOOR POSITION. RX SWITCH (INTEGRAL TO LOCKSET) SHUNTS DOOR CONTACT FOR VALID EGRESS.

HARDWARE GROUP NO. 11

For use on Door #(s):
A-101-B

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
2	EA	CONT. HINGE	224HD EPT	628	IVE
2	EA	POWER TRANSFER	EPT10	689	VON
1	EA	REMOVABLE MULLION	KR4954 STAB	689	VON
3	EA	MORTISE CYLINDER	1E74	626	BES
1	EA	ELEC PANIC HARDWARE	SD-RX-QEL-98-EO 24 VDC	626	VON
1	EA	ELEC PANIC HARDWARE	SD-RX-QEL-98-NL-OP-110MD 24 VDC	626	VON
1	EA	RIM CYLINDER	1E72	626	BES
2	EA	90 DEG OFFSET PULL	8190HD 12" O	630	IVE
2	EA	SURFACE CLOSER	4040XP SCUSH	689	LCN
2	EA	PA MOUNTING PLATE	4040XP-18PA AS REQ'D	689	LCN
2	EA	CUSH SHOE SUPPORT	4040XP-30 AS REQ'D	689	LCN
2	EA	BLADE STOP SPACER	4040XP-61 AS REQ'D	689	LCN
1	EA	MULLION SEAL	8780NBK	BK	ZER
1	EA	WEATHER STRIPPING	By Door/Frame Manufacturer		
2	EA	DOOR SWEEP	8192AA	AA	ZER
1	EA	THRESHOLD	655A-223	A	ZER
1	EA	MULTITECH READER	MTB11/15 - BY ACCESS CONTROL PROVIDER (COORDINATE W/ HEAD END AND CREDENTIAL TYPE)	BLK	SCE
1	EA	AI PHONE	BY ACCESS CONTROL PROVIDER		
2	EA	DOOR CONTACT	7764	628	SCE
1	EA	POWER SUPPLY	PS904 900-2RS [COORDINATE WITH ACCESS CONTROL PROVIDER]		VON
1	EA	DIAGRAM	ELEVATION		DLR
1	EA	DIAGRAM	POINT TO POINT		DLR

OPERATION: DOORS NORMALLY CLOSED AND LOCKED. DOORS CAN BE LEFT UNLOCKED AS PROGRAMMED BY ACCESS CONTROL.

LOCKED HOURS: VALID CREDENTIAL OR AI PHONE MOMENTARILY UNLOCKS DOOR ALLOWING ACCESS. DOORS REMAIN LOCKED UPON LOSS OF POWER. DOOR CONTACTS TO MONITOR DOOR POSITION. RX SWITCH (INTEGRAL TO EXIT DEVICE) SHUNTS DOOR CONTACTS FOR VALID EGRESS. FREE EGRESS AT ALL TIMES.

HARDWARE GROUP NO. 12

For use on Door #(s):
C-104-A

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
6	EA	HINGE	5BB1 4.5 X 4.5 (NRP AS REQ'D)	652	IVE
2	EA	POWER TRANSFER	EPT10	689	VON
1	EA	REMOVABLE MULLION	KR4954 STAB	689	VON
3	EA	MORTISE CYLINDER	1E74	626	BES
1	EA	ELEC PANIC HARDWARE	SD-RX-QEL-98-DT 24 VDC	626	VON
1	EA	ELEC PANIC HARDWARE	SD-RX-QEL-98-NL 24 VDC	626	VON
1	EA	RIM CYLINDER	1E72	626	BES
2	EA	SURFACE CLOSER	4040XP SCUSH	689	LCN
2	EA	KICK PLATE	8400 10" X 1" LDW B-CS	630	IVE
2	EA	SILENCER	SR64	GRY	IVE
1	EA	MULTITECH READER	MTB11/15 - BY ACCESS CONTROL PROVIDER (COORDINATE W/ HEAD END AND CREDENTIAL TYPE)	BLK	SCE
2	EA	DOOR CONTACT	679-05WD/679-05HM AS REQ	BLK	SCE
1	EA	POWER SUPPLY	PS904 900-2RS [COORDINATE WITH ACCESS CONTROL PROVIDER]		VON
1	EA	DIAGRAM	ELEVATION		DLR
1	EA	DIAGRAM	POINT TO POINT		DLR

OPERATION: DOORS NORMALLY CLOSED AND LOCKED. DOORS CAN BE LEFT UNLOCKED AS PROGRAMMED BY ACCESS CONTROL.

LOCKED HOURS: VALID CREDENTIAL MOMENTARILY UNLOCKS DOOR ALLOWING ACCESS. DOORS REMAIN LOCKED UPON LOSS OF POWER. DOOR CONTACTS TO MONITOR DOOR POSITION. RX SWITCH (INTEGRAL TO EXIT DEVICE) SHUNTS DOOR CONTACTS FOR VALID EGRESS. FREE EGRESS AT ALL TIMES.

HARDWARE GROUP NO. 13

For use on Door #(s):
A-003-A

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
1	EA	CONT. HINGE	224HD	628	IVE
1	EA	DUMMY PUSH BAR	330-DT-990	626	VON
1	EA	SURFACE CLOSER	4040XP SCUSH	689	LCN
1	EA	KICK PLATE	8400 10" X 1 1/2" LDW B-CS	630	IVE
3	EA	SILENCER	SR64	GRY	IVE

HARDWARE GROUP NO. 14

For use on Door #(s):
A-101-A

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
2	EA	CONT. HINGE	224HD EPT	628	IVE
2	EA	POWER TRANSFER	EPT10	689	VON
1	EA	REMOVABLE MULLION	KR4954 STAB	689	VON
3	EA	MORTISE CYLINDER	1E74	626	BES
2	EA	ELEC PANIC HARDWARE	SD-RX-QEL-98-EO 24 VDC	626	VON
2	EA	90 DEG OFFSET PULL	8190HD 12" O	630	IVE
2	EA	SURFACE CLOSER	4040XP SCUSH	689	LCN
2	EA	PA MOUNTING PLATE	4040XP-18PA AS REQ'D	689	LCN
2	EA	CUSH SHOE SUPPORT	4040XP-30 AS REQ'D	689	LCN
2	EA	BLADE STOP SPACER	4040XP-61 AS REQ'D	689	LCN
1	EA	MULLION SEAL	8780NBK	BK	ZER
1	EA	WEATHER STRIPPING	By Door/Frame Manufacturer		
2	EA	DOOR SWEEP	8192AA	AA	ZER
1	EA	THRESHOLD	655A-223	A	ZER
2	EA	DOOR CONTACT	7764	628	SCE
1	EA	POWER SUPPLY	PS904 900-2RS [COORDINATE WITH ACCESS CONTROL PROVIDER]		VON
1	EA	DIAGRAM	ELEVATION		DLR
1	EA	DIAGRAM	POINT TO POINT		DLR

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

HARDWARE GROUP NO. 15

For use on Door #(s):
A-109-A

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
1	EA	CONT. HINGE	224HD	628	IVE
1	EA	DUMMY PUSH BAR	330	626	VON
1	EA	90 DEG OFFSET PULL	8190HD 12" O	630	IVE
1	EA	SURFACE CLOSER	4040XP RW/PA	689	LCN
1	EA	WALL STOP	WS401/402CVX	626	IVE

HARDWARE GROUP NO. 16

For use on Door #(s):
A-103-A

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
2	EA	CONT. HINGE	224HD	628	IVE
1	EA	REMOVABLE MULLION	KR4954 STAB	689	VON
3	EA	MORTISE CYLINDER	1E74	626	BES
1	EA	PANIC HARDWARE	CD-98-DT	626	VON
1	EA	PANIC HARDWARE	CD-98-NL	626	VON
1	EA	RIM CYLINDER	1E72	626	BES
2	EA	SURFACE CLOSER	4040XP EDA	689	LCN
2	EA	KICK PLATE	8400 10" X 1" LDW B-CS	630	IVE
2	EA	WALL STOP/HOLDER	WS45X	626	IVE
2	EA	SILENCER	SR64	GRY	IVE

HARDWARE GROUP NO. 17

For use on Door #(s):
A-002-A

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
1	EA	CONT. HINGE	224HD EPT	628	IVE
1	EA	POWER TRANSFER	EPT10	689	VON
1	EA	MORTISE CYLINDER	1E74	626	BES
1	EA	ELEC PANIC HARDWARE	SD-RX-QEL-98-NL 24 VDC	626	VON
1	EA	RIM CYLINDER	1E72	626	BES
1	EA	SURFACE CLOSER	4040XP SCUSH	689	LCN
1	EA	PA MOUNTING PLATE	4040XP-18PA AS REQ'D	689	LCN
1	EA	CUSH SHOE SUPPORT	4040XP-30 AS REQ'D	689	LCN
1	EA	BLADE STOP SPACER	4040XP-61 AS REQ'D	689	LCN
1	EA	RAIN DRIP	142AA	AA	ZER
1	EA	WEATHER STRIPPING	By Door/Frame Manufacturer		
1	EA	DOOR SWEEP	8192AA	AA	ZER
1	EA	THRESHOLD	655A-223	A	ZER
1	EA	MULTITECH READER	MTB11/15 - BY ACCESS CONTROL PROVIDER (COORDINATE W/ HEAD END AND CREDENTIAL TYPE)	BLK	SCE
1	EA	AI PHONE	BY ACCESS CONTROL PROVIDER		
1	EA	DOOR CONTACT	7764	628	SCE
1	EA	POWER SUPPLY	PS902 900-2RS [COORDINATE WITH ACCESS CONTROL PROVIDER]	LGR	SCE
1	EA	DIAGRAM	ELEVATION		DLR
1	EA	DIAGRAM	POINT TO POINT		DLR

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

HARDWARE GROUP NO. 18

For use on Door #(s):
A-S1-A

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
3	EA	HINGE	5BB1 4.5 X 4.5 (NRP AS REQ'D)	652	IVE
1	EA	POWER TRANSFER	EPT10	689	VON
1	EA	ELEC FIRE EXIT HARDWARE	RX-QEL-98-NL-F 24 VDC	626	VON
1	EA	RIM CYLINDER	1E72	626	BES
1	EA	SURFACE CLOSER	4040XP SCUSH	689	LCN
1	EA	KICK PLATE	8400 10" X 1 1/2" LDW B-CS	630	IVE
1	EA	GASKETING	488SCL PSA	CL	ZER
1	EA	MULTITECH READER	MTB11/15 - BY ACCESS CONTROL PROVIDER (COORDINATE W/ HEAD END AND CREDENTIAL TYPE)	BLK	SCE
1	EA	DOOR CONTACT	679-05WD/679-05HM AS REQ	BLK	SCE
1	EA	POWER SUPPLY	PS902 900-2RS [COORDINATE WITH ACCESS CONTROL PROVIDER]	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 ACCESS. DOOR REMAINS LOCKED UPON LOSS OF POWER. DOOR CONTACTS TO MONITOR DOOR POSITION. RX SWITCH (INTEGRAL TO EXIT DEVICE) SHUNTS DOOR CONTACT FOR VALID EGRESS. FREE EGRESS AT ALL TIMES.

HARDWARE GROUP NO. 19

For use on Door #(s):
A-110-A

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
1	EA	CONT. HINGE	224HD	628	IVE
1	EA	MORTISE CYLINDER	1E74	626	BES
1	EA	PANIC HARDWARE	CD-98-NL-OP-110MD	626	VON
1	EA	RIM CYLINDER	1E72	626	BES
1	EA	90 DEG OFFSET PULL	8190HD 12" O	630	IVE
1	EA	SURFACE CLOSER	4040XP CUSH	689	LCN
1	EA	PA MOUNTING PLATE	4040XP-18PA AS REQ'D	689	LCN
1	EA	CUSH SHOE SUPPORT	4040XP-30 AS REQ'D	689	LCN
1	EA	BLADE STOP SPACER	4040XP-61 AS REQ'D	689	LCN
1	EA	WEATHER STRIPPING	By Door/Frame Manufacturer		
1	EA	DOOR SWEEP	8192AA	AA	ZER
1	EA	THRESHOLD	655A-223	A	ZER

HARDWARE GROUP 'AD' FOR ADMINISTRATION CENTER:

HARDWARE GROUP NO. 01

For use on Door #(s):
138A 139A 149A 150A

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
3	EA	HINGE	5BB1HW 4.5 X 4.5 (NRP AS REQ'D)	652	IVE
1	EA	CLASSROOM DEADBOLT	48H-7-R	626	BES
1	EA	PUSH PLATE	8200 4" X 16"	630	IVE
1	EA	PULL PLATE	8303 10" 4" X 16"	630	IVE
1	EA	SURFACE CLOSER	4040XP RW/PA	689	LCN
1	EA	KICK PLATE	8400 10" X 1 1/2" LDW B-CS	630	IVE
1	EA	WALL STOP	WS401/402CVX	626	IVE
3	EA	SILENCER	SR64	GRY	IVE

HARDWARE GROUP NO. 02

For use on Door #(s):
152A 224A 224B

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
3	EA	HINGE	5BB1HW 4.5 X 4.5 (NRP AS REQ'D)	652	IVE
1	EA	PUSH PLATE	8200 4" X 16"	630	IVE
1	EA	PULL PLATE	8303 10" 4" X 16"	630	IVE
1	EA	SURFACE CLOSER	4040XP RW/PA	689	LCN
1	EA	KICK PLATE	8400 10" X 1 1/2" LDW B-CS	630	IVE
1	EA	WALL STOP	WS401/402CVX	626	IVE
1	EA	GASKETING	488SCL PSA	CL	ZER

HARDWARE GROUP NO. 03

For use on Door #(s):
112A 113A 136A 221A 222A 228A
229A 231A

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
3	EA	HINGE	5BB1 4.5 X 4.5 (NRP AS REQ'D)	652	IVE
1	EA	PRIVACY SET	45H 0 L 14S VIN	626	BES
1	EA	WALL STOP	WS401/402CVX	626	IVE
1	EA	GASKETING	488SCL PSA	CL	ZER

HARDWARE GROUP NO. 04

For use on Door #(s):
147A

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
3	EA	HINGE	5BB1 4.5 X 4.5 (NRP AS REQ'D)	652	IVE
1	EA	PRIVACY SET	45H 0 L 14S VIN	626	BES
1	EA	WALL STOP	WS401/402CVX	626	IVE

HARDWARE GROUP NO. 05

For use on Door #(s):

163A	202A	211A	212A

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
3	EA	HINGE	5BB1 4.5 X 4.5 (NRP AS REQ'D)	652	IVE
1	EA	OFFICE LOCKSET	9K7 AB 14D	626	BES
1	EA	OH STOP	90S	630	GLY

HARDWARE GROUP NO. 06

For use on Door #(s):

108C	108D	236A

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
3	EA	HINGE	5BB1 4.5 X 4.5 (NRP AS REQ'D)	652	IVE
1	EA	OFFICE LOCKSET	9K7 AB 14D	626	BES
1	EA	WALL STOP	WS401/402CVX	626	IVE
3	EA	SILENCER	SR64	GRY	IVE

HARDWARE GROUP NO. 07

For use on Door #(s):

123A	124A	125A	126A	127A	128A
159A	162A	164A	167A	168A	204A
205A	206A	210A	213A	213B	215A
233A	236B	237A	238A	239A	242A
244A	248A	249A	250A	251A	252A
253A	254A	255A	256A		

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
3	EA	HINGE	5BB1 4.5 X 4.5 (NRP AS REQ'D)	652	IVE
1	EA	OFFICE LOCKSET	9K7 AB 14D	626	BES
1	EA	WALL STOP	WS401/402CVX	626	IVE

HARDWARE GROUP NO. 08

For use on Door #(s):
110A 120A 214A

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
3	EA	HINGE	5BB1 4.5 X 4.5 (NRP AS REQ'D)	652	IVE
1	EA	CLASSROOM LOCKSET	9K7 R 14D	626	BES
1	EA	OH STOP	90S	630	GLY
3	EA	SILENCER	SR64	GRY	IVE

HARDWARE GROUP NO. 09

For use on Door #(s):
143B 158A 235A 235B 240A 247B

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
3	EA	HINGE	5BB1 4.5 X 4.5 (NRP AS REQ'D)	652	IVE
1	EA	CLASSROOM LOCKSET	9K7 R 14D	626	BES
1	EA	OH STOP	90S	630	GLY

HARDWARE GROUP NO. 10

For use on Door #(s):
215B 215C 220B 225A 232A 234A
246A 246B

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
3	EA	HINGE	5BB1 4.5 X 4.5 (NRP AS REQ'D)	652	IVE
1	EA	CLASSROOM LOCKSET	9K7 R 14D	626	BES
1	EA	WALL STOP	WS401/402CVX	626	IVE
3	EA	SILENCER	SR64	GRY	IVE

HARDWARE GROUP NO. 11

For use on Door #(s):
175A

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
3	EA	HINGE	5BB1 4.5 X 4.5 (NRP AS REQ'D)	652	IVE
1	EA	CLASSROOM LOCKSET	9K7 R 14D	626	BES
1	EA	WALL STOP	WS33	626	IVE
3	EA	SILENCER	SR64	GRY	IVE

HARDWARE GROUP NO. 12

For use on Door #(s):

121A	140A	143A	148A	160A	163B
166A	203A	203B	219A	220A	225B
257A					

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
3	EA	HINGE	5BB1 4.5 X 4.5 (NRP AS REQ'D)	652	IVE
1	EA	CLASSROOM LOCKSET	9K7 R 14D	626	BES
1	EA	WALL STOP	WS401/402CVX	626	IVE

HARDWARE GROUP NO. 13

For use on Door #(s):

105A	105B	105C	121B	144A	144B

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
6	EA	HINGE	5BB1 4.5 X 4.5 (NRP AS REQ'D)	652	IVE
1	EA	CONST LATCHING BOLT	FB51T/FB61T AS REQ'D	630	IVE
1	EA	CLASSROOM LOCKSET	9K7 R 14D	626	BES
2	EA	OH STOP	90S	630	GLY
2	EA	SILENCER	SR64	GRY	IVE

HARDWARE GROUP NO. 14

For use on Door #(s):

141A

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
8	EA	HINGE	5BB1 4.5 X 4.5 (NRP AS REQ'D)	652	IVE
1	EA	CONST LATCHING BOLT	FB51T/FB61T AS REQ'D	630	IVE
1	EA	CLASSROOM LOCKSET	9K7 R 14D	626	BES
2	EA	WALL STOP	WS401/402CVX	626	IVE
2	EA	SILENCER	SR64	GRY	IVE

HARDWARE GROUP NO. 15

For use on Door #(s):
109A 117A

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
3	EA	HINGE	5BB1 4.5 X 4.5 (NRP AS REQ'D)	652	IVE
1	EA	STOREROOM LOCKSET	9K7 D 14D	626	BES
1	EA	OH STOP	90S	630	GLY
3	EA	SILENCER	SR64	GRY	IVE

HARDWARE GROUP NO. 16

For use on Door #(s):
151A 165A 176A 207A 209A 223A
230A 259A

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
3	EA	HINGE	5BB1 4.5 X 4.5 (NRP AS REQ'D)	652	IVE
1	EA	STOREROOM LOCKSET	9K7 D 14D	626	BES
1	EA	WALL STOP	WS401/402CVX	626	IVE
3	EA	SILENCER	SR64	GRY	IVE

HARDWARE GROUP NO. 17

For use on Door #(s):
208A

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
1	EA	CONT. HINGE	224HD	628	IVE
1	EA	DORMITORY LOCK	45H 7 TD 14S	626	BES
1	EA	SURFACE CLOSER	4040XP SCUSH	689	LCN
1	EA	KICK PLATE	8400 10" X 1 1/2" LDW B-CS	630	IVE
1	EA	GASKETING	488SCL PSA	CL	ZER

HARDWARE GROUP NO. 18

For use on Door #(s):
172B

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
6	EA	HINGE	5BB1 4.5 X 4.5 (NRP AS REQ'D)	652	IVE
1	EA	CONST LATCHING BOLT	FB51T/FB61T AS REQ'D	630	IVE
1	EA	STOREROOM LOCKSET	9K7 D 14D	626	BES
2	EA	OH STOP	90S	630	GLY
2	EA	SILENCER	SR64	GRY	IVE

HARDWARE GROUP NO. 19

For use on Door #(s):
171B 171C

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
6	EA	HINGE	5BB1 4.5 X 4.5 (NRP AS REQ'D)	652	IVE
1	EA	CONST LATCHING BOLT	FB51T/FB61T AS REQ'D	630	IVE
1	EA	STOREROOM LOCKSET	9K7 D 14D	626	BES
2	EA	OH STOP & HOLDER	90H	630	GLY
2	EA	KICK PLATE	8400 10" X 1" LDW B-CS	630	IVE
2	EA	SILENCER	SR64	GRY	IVE

HARDWARE GROUP NO. 20

For use on Door #(s):
133A

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
6	EA	HINGE	5BB1 4.5 X 4.5 (NRP AS REQ'D)	652	IVE
1	EA	CONST LATCHING BOLT	FB51T/FB61T AS REQ'D	630	IVE
1	EA	STOREROOM LOCKSET	9K7 D 14D	626	BES
1	EA	OH STOP	90S	630	GLY
1	EA	WALL STOP	WS401/402CVX	626	IVE
1	EA	GASKETING	488SCL PSA	CL	ZER
1	EA	MULLION SEAL	8780N [@ Z ASTRAGAL]	BK	ZER
1	EA	ASTRAGAL	Z TYPE ASTRAGAL BY DR SUPPLIER		B/O
2	EA	DOOR BOTTOM	364AA	AA	ZER
1	EA	THRESHOLD	544A	A	ZER

HARDWARE GROUP NO. 21

For use on Door #(s):
172A

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
6	EA	HINGE	5BB1 4.5 X 4.5 (NRP AS REQ'D)	630	IVE
1	EA	AUTO FLUSH BOLT	FB31P/FB41P AS REQ'D	630	IVE
1	EA	DUST PROOF STRIKE	DP2	626	IVE
1	EA	STOREROOM LOCKSET	9K7 D 14D	626	BES
1	EA	COORDINATOR	COR X FL	628	IVE
2	EA	MOUNTING BRACKET	MB/MBF [AS REQ'D]	689	IVE
2	EA	SURFACE CLOSER	4040XP SCUSH	689	LCN
2	EA	KICK PLATE	8400 10" X 1" LDW B-CS	630	IVE
1	EA	RAIN DRIP	142AA	AA	ZER
1	EA	GASKETING	429AA	AA	ZER
2	EA	DOOR SWEEP	8192AA	AA	ZER
1	EA	THRESHOLD	655A-223	A	ZER

HARDWARE GROUP NO. 22

For use on Door #(s):
171A 171D

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
6	EA	HINGE	5BB1 4.5 X 4.5 (NRP AS REQ'D)	630	IVE
1	EA	AUTO FLUSH BOLT	FB31P/FB41P AS REQ'D	630	IVE
1	EA	DUST PROOF STRIKE	DP2	626	IVE
1	EA	STOREROOM LOCKSET	9K7 D 14D	626	BES
1	EA	COORDINATOR	COR X FL	628	IVE
2	EA	MOUNTING BRACKET	MB/MBF [AS REQ'D]	689	IVE
2	EA	SURFACE CLOSER	4040XP SHCUSH	689	LCN
2	EA	KICK PLATE	8400 10" X 1" LDW B-CS	630	IVE
1	EA	RAIN DRIP	142AA	AA	ZER
1	EA	GASKETING	429AA	AA	ZER
2	EA	DOOR SWEEP	8192AA	AA	ZER
1	EA	THRESHOLD	655A-223	A	ZER

HARDWARE GROUP NO. 23

For use on Door #(s):
102A

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
1	EA	CONT. HINGE	224HD EPT	628	IVE
1	EA	POWER TRANSFER	EPT10	689	VON
1	EA	ELECTRIFIED LOCKSET	9K7 DEU 14D RQE	626	BES
1	EA	SURFACE CLOSER	4040XP SCUSH	689	LCN
1	EA	PA MOUNTING PLATE	4040XP-18PA AS REQ'D	689	LCN
1	EA	CUSH SHOE SUPPORT	4040XP-30 AS REQ'D	689	LCN
1	EA	BLADE STOP SPACER	4040XP-61 AS REQ'D	689	LCN
1	EA	MULTITECH READER	MTB11/15 - BY ACCESS CONTROL PROVIDER (COORDINATE W/ HEAD END AND CREDENTIAL TYPE)	BLK	SCE
1	EA	DESK MOUNT BUTTON	660-PB	628	SCE
1	EA	DOOR CONTACT	7764	628	SCE
1	EA	POWER SUPPLY	PS902 900-4R [COORDINATE WITH ACCESS CONTROL PROVIDER]	LGR	SCE
1	EA	DIAGRAM	ELEVATION		DLR
1	EA	DIAGRAM	POINT TO POINT		DLR

OPERATION: DOOR NORMALLY CLOSED AND LOCKED. VALID CREDENITAL OR REMOTE RELEASE AT RECEPTION DESK MOMENTARILY UNLOCKS DOOR ALLOWING ENTRY. DOOR REMAINS LOCKED UPON LOSS OF POWER. DOOR CONTACT TO MONITOR DOOR POSITION. RX SWITCH (INTEGRAL TO LOCKSET) SHUNTS DOOR CONTACT FOR VALID EGRESS. FREE EGRESS AT ALL TIMES.

HARDWARE GROUP NO. 24

For use on Door #(s):
148B

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
3	EA	HINGE	5BB1 4.5 X 4.5 (NRP AS REQ'D)	652	IVE
1	EA	POWER TRANSFER	EPT10	689	VON
1	EA	ELECTRIFIED LOCKSET	9K7 DEU 14D RQE	626	BES
1	EA	SURFACE CLOSER	4040XP RW/PA	689	LCN
1	EA	KICK PLATE	8400 10" X 1 1/2" LDW B-CS	630	IVE
1	EA	WALL STOP	WS401/402CVX	626	IVE
3	EA	SILENCER	SR64	GRY	IVE
1	EA	MULTITECH READER	MTB11/15 - BY ACCESS CONTROL PROVIDER (COORDINATE W/ HEAD END AND CREDENTIAL TYPE)	BLK	SCE
1	EA	DOOR CONTACT	679-05WD/679-05HM AS REQ	BLK	SCE
1	EA	POWER SUPPLY	PS902 900-4R [COORDINATE WITH ACCESS CONTROL PROVIDER]	LGR	SCE
1	EA	DIAGRAM	ELEVATION		DLR
1	EA	DIAGRAM	POINT TO POINT		DLR

OPERATION: DOOR NORMALLY CLOSED AND LOCKED. VALID CREDENITAL MOMENTARILY UNLOCKS DOOR ALLOWING ENTRY. DOOR REMAINS LOCKED UPON LOSS OF POWER. DOOR CONTACTS TO MONITOR DOOR POSITION. RX SWITCH (INTEGRAL TO LOCK SET) SHUNTS DOOR CONTACT FOR VALID EGRESS. FREE EGRESS AT ALL TIMES.

HARDWARE GROUP NO. 25

For use on Door #(s):
170A

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
2	EA	CONT. HINGE	224HD EPT	628	IVE
2	EA	POWER TRANSFER	EPT10	689	VON
1	EA	REMOVABLE MULLION	KR4954 STAB	689	VON
3	EA	MORTISE CYLINDER	1E74	626	BES
1	EA	ELEC PANIC HARDWARE	SD-RX-QEL-98-EO 24 VDC	626	VON
1	EA	ELEC PANIC HARDWARE	SD-RX-QEL-98-NL-OP-110MD 24 VDC	626	VON
1	EA	RIM CYLINDER	1E72	626	BES
2	EA	90 DEG OFFSET PULL	8190HD 12" O	630	IVE
1	EA	OH STOP	100S	630	GLY
1	EA	SURFACE CLOSER	4040XP SCUSH	689	LCN
1	EA	SURF. AUTO OPERATOR	4642 TBWMS 120 VAC	689	LCN
1	EA	PA MOUNTING PLATE	4040XP-18PA AS REQ'D	689	LCN
1	EA	CUSH SHOE SUPPORT	4040XP-30 AS REQ'D	689	LCN
1	EA	BLADE STOP SPACER	4040XP-61 AS REQ'D	689	LCN
1	EA	WEATHER RING	8310-801		LCN
1	EA	ACTUATOR, TOUCH	8310-853T	630	LCN
1	EA	ACTUATOR, TOUCH	8310-855	630	LCN
1	EA	MULLION SEAL	8780NBK	BK	ZER
1	EA	WEATHER STRIPPING	By Door/Frame Manufacturer		
2	EA	DOOR SWEEP	8192AA	AA	ZER
1	EA	THRESHOLD	655A-223	A	ZER
1	EA	MULTITECH READER	MTB11/15 - BY ACCESS CONTROL PROVIDER (COORDINATE W/ HEAD END AND CREDENTIAL TYPE)	BLK	SCE
2	EA	DOOR CONTACT	7764	628	SCE
1	EA	POWER SUPPLY	PS904 900-4RL [COORDINATE WITH ACCESS CONTROL PROVIDER]		VON
1	EA	DIAGRAM	ELEVATION		DLR
1	EA	DIAGRAM	POINT TO POINT		DLR

OPERATION: DOORS NORMALLY CLOSED AND LOCKED. DOORS CAN BE LEFT UNLOCKED AS PROGRAMMED BY ACCESS CONTROL.

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

LOCKED HOURS: VALID CREDENTIAL MOMENTARILY UNLOCKS DOOR AND ACTIVATES EXTERIOR ACTUATOR. WHEN ACTIVE, PRESSING EXTERIOR ACTUATOR CYCLES AUTOMATIC OPERATOR AND MOMENTARILY OPENS DOOR. INTERIOR ACTUATOR ALWAYS ACTIVE. DOORS REMAIN LOCKED UPON LOSS OF POWER. DOOR CONTACTS TO MONITOR DOOR POSITION. RX SWITCH (INTEGRAL TO EXIT DEVICE) SHUNTS DOOR CONTACTS FOR VALID EGRESS. FREE EGRESS AT ALL TIMES.

PRESSING EXTERIOR ACTUATOR (WHEN ACTIVE) CYCLES AUTOMATIC OPERATORS ON BOTH PAIRS OF DOORS IN SEQUENCE.

HARDWARE GROUP NO. 26

For use on Door #(s):
101B

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
2	EA	CONT. HINGE	224HD EPT	628	IVE
2	EA	POWER TRANSFER	EPT10	689	VON
1	EA	REMOVABLE MULLION	KR4954 STAB	689	VON
3	EA	MORTISE CYLINDER	1E74	626	BES
1	EA	ELEC PANIC HARDWARE	SD-RX-QEL-98-EO 24 VDC	626	VON
1	EA	ELEC PANIC HARDWARE	SD-RX-QEL-98-NL-OP-110MD 24 VDC	626	VON
1	EA	RIM CYLINDER	1E72	626	BES
2	EA	90 DEG OFFSET PULL	8190HD 12" O	630	IVE
1	EA	OH STOP	100S	630	GLY
1	EA	SURFACE CLOSER	4040XP SCUSH	689	LCN
1	EA	SURF. AUTO OPERATOR	4642 TBWMS 120 VAC	689	LCN
1	EA	PA MOUNTING PLATE	4040XP-18PA AS REQ'D	689	LCN
1	EA	CUSH SHOE SUPPORT	4040XP-30 AS REQ'D	689	LCN
1	EA	BLADE STOP SPACER	4040XP-61 AS REQ'D	689	LCN
1	EA	WEATHER RING	8310-801		LCN
2	EA	ACTUATOR, TOUCH	8310-853T	630	LCN
1	EA	MULLION SEAL	8780NBK	BK	ZER
1	EA	WEATHER STRIPPING	By Door/Frame Manufacturer		
2	EA	DOOR SWEEP	8192AA	AA	ZER
1	EA	THRESHOLD	655A-223	A	ZER
1	EA	MULTITECH READER	MTB11/15 - BY ACCESS CONTROL PROVIDER (COORDINATE W/ HEAD END AND CREDENTIAL TYPE)	BLK	SCE
1	EA	AI PHONE	BY ACCESS CONTROL PROVIDER		
2	EA	DOOR CONTACT	7764	628	SCE
1	EA	POWER SUPPLY	PS904 900-4RL [COORDINATE WITH ACCESS CONTROL PROVIDER]		VON
1	EA	DIAGRAM	ELEVATION		DLR
1	EA	DIAGRAM	POINT TO POINT		DLR

OPERATION: DOORS NORMALLY CLOSED AND LOCKED. DOORS CAN BE LEFT UNLOCKED AS PROGRAMMED BY ACCESS CONTROL.

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

LOCKED HOURS: VALID CREDENTIAL OR AIPHONE AT RECEPTION DESK MOMENTARILY UNLOCKS DOOR AND ACTIVATES EXTERIOR ACTUATOR. WHEN ACTIVE, PRESSING EXTERIOR ACTUATOR CYCLES AUTOMATIC OPERATOR AND MOMENTARILY OPENS DOOR. INTERIOR ACTUATOR ALWAYS ACTIVE. DOORS REMAIN LOCKED UPON LOSS OF POWER. DOOR CONTACTS TO MONITOR DOOR POSITION. RX SWITCH (INTEGRAL TO EXIT DEVICE) SHUNTS DOOR CONTACTS FOR VALID EGRESS. FREE EGRESS AT ALL TIMES.

HARDWARE GROUP NO. 27

For use on Door #(s):
101D

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
2	EA	CONT. HINGE	224HD EPT	628	IVE
2	EA	POWER TRANSFER	EPT10	689	VON
1	EA	REMOVABLE MULLION	KR4954 STAB	689	VON
3	EA	MORTISE CYLINDER	1E74	626	BES
1	EA	ELEC PANIC HARDWARE	SD-RX-QEL-98-EO 24 VDC	626	VON
1	EA	ELEC PANIC HARDWARE	SD-RX-QEL-98-NL-OP-110MD 24 VDC	626	VON
1	EA	RIM CYLINDER	1E72	626	BES
2	EA	90 DEG OFFSET PULL	8190HD 12" O	630	IVE
1	EA	OH STOP	100S	630	GLY
1	EA	SURFACE CLOSER	4040XP SCUSH	689	LCN
1	EA	SURF. AUTO OPERATOR	4642 TBWMS 120 VAC	689	LCN
1	EA	PA MOUNTING PLATE	4040XP-18PA AS REQ'D	689	LCN
1	EA	CUSH SHOE SUPPORT	4040XP-30 AS REQ'D	689	LCN
1	EA	BLADE STOP SPACER	4040XP-61 AS REQ'D	689	LCN
2	EA	ACTUATOR, TOUCH	8310-853T	630	LCN
1	EA	MULLION SEAL	8780NBK	BK	ZER
1	EA	MULTITECH READER	MTB11/15 - BY ACCESS CONTROL PROVIDER (COORDINATE W/ HEAD END AND CREDENTIAL TYPE)	BLK	SCE
2	EA	DOOR CONTACT	7764	628	SCE
1	EA	POWER SUPPLY	PS904 900-4RL [COORDINATE WITH ACCESS CONTROL PROVIDER]		VON
1	EA	DIAGRAM	ELEVATION		DLR
1	EA	DIAGRAM	POINT TO POINT		DLR

OPERATION: DOORS NORMALLY CLOSED AND LOCKED. DOORS CAN BE LEFT UNLOCKED AS PROGRAMMED BY ACCESS CONTROL.

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

LOCKED HOURS: VALID CREDENTIAL MOMENTARILY UNLOCKS DOOR AND ACTIVATES EXTERIOR ACTUATOR. WHEN ACTIVE, PRESSING EXTERIOR ACTUATOR CYCLES AUTOMATIC OPERATOR AND MOMENTARILY OPENS DOOR. ITNERIOR ACTUATOR ALWAYS ACTIVE. DOORS REMAIN LOCKED UPON LOSS OF POWER. DOOR CONTACTS TO MONITOR DOOR POSITION. RX SWITCH (INTEGRAL TO EXIT DEVICE) SHUNTS DOOR CONTACTS FOR VALID EGRESS. FREE EGRESS AT ALL TIMES.

HARDWARE GROUP NO. 28

For use on Door #(s):
111A

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
2	EA	CONT. HINGE	224HD EPT	628	IVE
2	EA	POWER TRANSFER	EPT10	689	VON
1	EA	REMOVABLE MULLION	KR4954 STAB	689	VON
3	EA	MORTISE CYLINDER	1E74	626	BES
1	EA	ELEC PANIC HARDWARE	SD-RX-QEL-98-EO 24 VDC	626	VON
1	EA	ELEC PANIC HARDWARE	SD-RX-QEL-98-NL-OP-110MD 24 VDC	626	VON
1	EA	RIM CYLINDER	1E72	626	BES
2	EA	90 DEG OFFSET PULL	8190HD 12" O	630	IVE
2	EA	SURFACE CLOSER	4040XP SCUSH	689	LCN
2	EA	PA MOUNTING PLATE	4040XP-18PA AS REQ'D	689	LCN
2	EA	CUSH SHOE SUPPORT	4040XP-30 AS REQ'D	689	LCN
2	EA	BLADE STOP SPACER	4040XP-61 AS REQ'D	689	LCN
1	EA	MULLION SEAL	8780NBK	BK	ZER
1	EA	WEATHER STRIPPING	By Door/Frame Manufacturer		
2	EA	DOOR SWEEP	8192AA	AA	ZER
1	EA	THRESHOLD	655A-223	A	ZER
1	EA	MULTITECH READER	MTB11/15 - BY ACCESS CONTROL PROVIDER (COORDINATE W/ HEAD END AND CREDENTIAL TYPE)	BLK	SCE
2	EA	DOOR CONTACT	7764	628	SCE
1	EA	POWER SUPPLY	PS904 900-2RS [COORDINATE WITH ACCESS CONTROL PROVIDER]		VON
1	EA	DIAGRAM	ELEVATION		DLR
1	EA	DIAGRAM	POINT TO POINT		DLR

OPERATION: DOORS NORMALLY CLOSED AND LOCKED. DOORS CAN BE LEFT UNLOCKED AS PROGRAMMED BY ACCESS CONTROL.

LOCKED HOURS: VALID CREDENTIAL MOMENTARILY UNLOCKS DOOR ALLOWING ACCESS. DOORS REMAIN LOCKED UPON LOSS OF POWER. DOOR CONTACTS TO MONITOR DOOR POSITION. RX SWITCH (INTEGRAL TO EXIT DEVICE) SHUNTS DOOR CONTACTS FOR VALID EGRESS. FREE EGRESS AT ALL TIMES.

HARDWARE GROUP NO. 29

For use on Door #(s):
134A 142A

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
6	EA	HINGE	5BB1 4.5 X 4.5 (NRP AS REQ'D)	652	IVE
2	EA	POWER TRANSFER	EPT10	689	VON
2	EA	MORTISE CYLINDER	1E74	626	BES
1	EA	ELEC PANIC HARDWARE	SD-RX-QEL-9850WDC-DT-LBL-SNB 24 VDC	626	VON
1	EA	ELEC PANIC HARDWARE	SD-RX-QEL-9850WDC-NL-LBL-SNB 24 VDC	626	VON
1	EA	RIM CYLINDER	1E72	626	BES
2	EA	SURFACE CLOSER	4040XP SCUSH	689	LCN
2	EA	KICK PLATE	8400 10" X 1" LDW B-CS	630	IVE
2	EA	SILENCER	SR64	GRY	IVE
1	EA	MULTITECH READER	MTB11/15 - BY ACCESS CONTROL PROVIDER (COORDINATE W/ HEAD END AND CREDENTIAL TYPE)	BLK	SCE
2	EA	DOOR CONTACT	679-05WD/679-05HM AS REQ	BLK	SCE
1	EA	POWER SUPPLY	PS904 900-2RS [COORDINATE WITH ACCESS CONTROL PROVIDER]		VON
1	EA	DIAGRAM	ELEVATION		DLR
1	EA	DIAGRAM	POINT TO POINT		DLR

OPERATION: DOORS NORMALLY CLOSED AND LOCKED. DOORS CAN BE LEFT UNLOCKED AS PROGRAMMED BY ACCESS CONTROL.
VALID CREDENTIAL MOMENTARILY UNLOCKS DOOR ALLOWING ACCESS. DOORS REMAIN LOCKED UPON LOSS OF POWER. DOOR CONTACTS TO MONITOR DOOR POSITION. RX SWITCH (INTEGRAL TO EXIT DEVICE) SHUNTS DOOR CONTACT FOR VALID EGRESS. FREE EGRESS AT ALL TIMES.

HARDWARE GROUP NO. 30

For use on Door #(s):
170B

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
2	EA	CONT. HINGE	224HD	628	IVE
2	EA	DUMMY PUSH BAR	330	626	VON
2	EA	90 DEG OFFSET PULL	8190HD 12" O	630	IVE
1	EA	OH STOP	100S	630	GLY
1	EA	SURFACE CLOSER	4040XP SCUSH	689	LCN
1	EA	SURF. AUTO OPERATOR	4642 TBWMS 120 VAC	689	LCN
1	EA	PA MOUNTING PLATE	4040XP-18PA AS REQ'D	689	LCN
1	EA	CUSH SHOE SUPPORT	4040XP-30 AS REQ'D	689	LCN
1	EA	BLADE STOP SPACER	4040XP-61 AS REQ'D	689	LCN
1	EA	RELAY/DOOR SEQUENCER	8310-845	689	LCN
2	EA	ACTUATOR, TOUCH	8310-853T	630	LCN
2	EA	ACTUATOR	VESTIBULE ACTUATOR SPECIFIED WITH EXTERIOR VESTIBULE DOOR		
1	EA	DIAGRAM	ELEVATION		DLR
1	EA	DIAGRAM	POINT TO POINT		DLR

OPERATION: PRESSING EITHER ACTUATOR CYCLES AUTOMATIC OPERATOR AND MOMENTARILY OPENS DOOR. PRESSING INTERIOR ACTUATOR CYCLES AUTOMATIC OPERATORS ON BOTH PAIRS OF DOORS IN SEQUENCE.

HARDWARE GROUP NO. 31

For use on Door #(s):
101A

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
2	EA	CONT. HINGE	224HD EPT	628	IVE
2	EA	POWER TRANSFER	EPT10	689	VON
1	EA	REMOVABLE MULLION	KR4954 STAB	689	VON
3	EA	MORTISE CYLINDER	1E74	626	BES
2	EA	ELEC PANIC HARDWARE	SD-RX-QEL-98-EO 24 VDC	626	VON
2	EA	90 DEG OFFSET PULL	8190HD 12" O	630	IVE
2	EA	SURFACE CLOSER	4040XP SCUSH	689	LCN
2	EA	PA MOUNTING PLATE	4040XP-18PA AS REQ'D	689	LCN
2	EA	CUSH SHOE SUPPORT	4040XP-30 AS REQ'D	689	LCN
2	EA	BLADE STOP SPACER	4040XP-61 AS REQ'D	689	LCN
1	EA	RAIN DRIP	142AA	AA	ZER
1	EA	MULLION SEAL	8780NBK	BK	ZER
1	EA	WEATHER STRIPPING	By Door/Frame Manufacturer		
2	EA	DOOR SWEEP	8192AA	AA	ZER
1	EA	THRESHOLD	655A-223	A	ZER
2	EA	DOOR CONTACT	7764	628	SCE
1	EA	POWER SUPPLY	PS904 900-2RS [COORDINATE WITH ACCESS CONTROL PROVIDER]		VON
1	EA	DIAGRAM	ELEVATION		DLR
1	EA	DIAGRAM	POINT TO POINT		DLR

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

HARDWARE GROUP NO. 32

For use on Door #(s):
101C

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
2	EA	CONT. HINGE	224HD EPT	628	IVE
2	EA	POWER TRANSFER	EPT10	689	VON
1	EA	REMOVABLE MULLION	KR4954 STAB	689	VON
3	EA	MORTISE CYLINDER	1E74	626	BES
2	EA	ELEC PANIC HARDWARE	SD-RX-QEL-98-EO 24 VDC	626	VON
2	EA	90 DEG OFFSET PULL	8190HD 12" O	630	IVE
2	EA	SURFACE CLOSER	4040XP SCUSH	689	LCN
2	EA	PA MOUNTING PLATE	4040XP-18PA AS REQ'D	689	LCN
2	EA	CUSH SHOE SUPPORT	4040XP-30 AS REQ'D	689	LCN
2	EA	BLADE STOP SPACER	4040XP-61 AS REQ'D	689	LCN
1	EA	MULLION SEAL	8780NBK	BK	ZER
2	EA	DOOR CONTACT	7764	628	SCE
1	EA	POWER SUPPLY	PS904 900-2RS [COORDINATE WITH ACCESS CONTROL PROVIDER]		VON
1	EA	DIAGRAM	ELEVATION		DLR
1	EA	DIAGRAM	POINT TO POINT		DLR

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

HARDWARE GROUP NO. 33

For use on Door #(s):
106A 106B 107A 107B 108A 108B

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
2	EA	CONT. HINGE	224HD	628	IVE
2	EA	PANIC HARDWARE	9850WDC-L-17-LBL-SNB	626	VON
2	EA	RIM CYLINDER	1E72	626	BES
2	EA	SURFACE CLOSER	4040XP SHCUSH	689	LCN
2	EA	KICK PLATE	8400 10" X 1" LDW B-CS	630	IVE
1	EA	GASKETING	488SCL PSA	CL	ZER
2	EA	MEETING STILE	8192AA	AA	ZER

HARDWARE GROUP NO. 34

For use on Door #(s):
226A

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
3	EA	HINGE	5BB1 4.5 X 4.5 (NRP AS REQ'D)	652	IVE
1	EA	PANIC HARDWARE	98-L-BE-17	626	VON
1	EA	OH STOP	90S	630	GLY
1	EA	SURFACE CLOSER	4040XP RW/PA	689	LCN
1	EA	KICK PLATE	8400 10" X 1 1/2" LDW B-CS	630	IVE
3	EA	SILENCER	SR64	GRY	IVE

HARDWARE GROUP NO. 35

For use on Door #(s):
173A

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
3	EA	HINGE	5BB1 4.5 X 4.5 (NRP AS REQ'D)	652	IVE
1	EA	PANIC HARDWARE	98-L-BE-17	626	VON
1	EA	SURFACE CLOSER	4040XP SCUSH	689	LCN
1	EA	KICK PLATE	8400 10" X 1 1/2" LDW B-CS	630	IVE
3	EA	SILENCER	SR64	GRY	IVE

HARDWARE GROUP NO. 36

For use on Door #(s):
154A

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
6	EA	HINGE	5BB1 4.5 X 4.5 (NRP AS REQ'D)	652	IVE
2	EA	PANIC HARDWARE	9850WDC-L-BE-17-LBL-SNB	626	VON
2	EA	SURFACE CLOSER	4040XP SCUSH	689	LCN
2	EA	KICK PLATE	8400 10" X 1" LDW B-CS	630	IVE
2	EA	SILENCER	SR64	GRY	IVE

HARDWARE GROUP NO. 37

For use on Door #(s):
153A

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
3	EA	HINGE	5BB1 4.5 X 4.5 (NRP AS REQ'D)	652	IVE
1	EA	PANIC HARDWARE	98-L-BE-17	626	VON
1	EA	SURFACE CLOSER	4040XP RW/PA	689	LCN
1	EA	KICK PLATE	8400 10" X 1 1/2" LDW B-CS	630	IVE
1	EA	WALL STOP	WS401/402CVX	626	IVE
3	EA	SILENCER	SR64	GRY	IVE

HARDWARE GROUP NO. 38

For use on Door #(s):
171E

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
1	EA	CYLINDER	RIM/MORTISE CYLINDER AS REQ'D	626	
		NOTE	BALANCE OF HARDWARE BY DOOR MFG		

END OF SECTION

SECTION 14 24 00
HYDRAULIC ELEVATOR

1 General

1.1 Section Includes

A. One operating elevator system, hydraulic cylinder holeless type with cylinder(s) in hoistway.

B. Simplex selective collective automatic operation. Firefighter's operation.

C. Passenger cabs with doors and frames.

D. Motor and pump, controllers, hoistway accessories, equipment, and fittings.

1.2 Products Installed But Not Furnished Under This Section

A. Section 09 68 00 - Carpeting - Glue Down: Carpet flooring in cab.

1.3 Products Furnished But Not Installed Under This Section

A. Furnish special guide rail support brackets and anchors to Section 04 20 00 for placement.

1.4 Related Sections

A. Division 1: Temporary power supply and temporary elevator service.

B. Section 04 20 00 - Unit Masonry: Masonry enclosed hoistway; building-in hoistway door frames and thresholds.

C. Section 05 12 00 - Structural Steel.

D. Section 05 50 00 - Miscellaneous Metals: Ladder in pit.

E. Section 07 13 53 – Elastomeric Sheet Waterproofing: Waterproofing of existing elevator pit.

F. Section 07 14 00 – Fluid Applied Waterproofing: Waterproofing of new elevator pit.

G. Section 26 06 20 - Electric Wiring Systems:

1. Electrical service to controller in elevator shaft.

2. Provide dry contact in disconnect.

3. Disconnect for pump power.

4. Disconnect for cab power.

5. Telephone jack for cab phone.

6. Fire alarm interconnects for fire alarm recall.

H. Section 28 31 02 – Addressable Fire Alarm System: Fire and smoke detectors in hoistway.

1.5 References

A. ADAAG - Americans with Disabilities Act Accessibility Guidelines.

B. APA - American Plywood Association.

C. ASME A17.1 - Safety Code for Elevators and Escalators.

D. ASTM A36 - Structural Steel.

E. ASTM A139 - Electric-Fusion (Arc)-Welded Steel Pipe (Sizes 4 inches and over).

F. ASTM A167 - Stainless and Heat-Resisting Chromium-Nickel Steel Plate, Sheet, and Strip.

G. ASTM A366 - Steel, Sheet, Carbon, Cold-Rolled, Commercial Quality.

H. ASTM A446 - Steel Sheet, Zinc Coated (Galvanized) by the Hot-Dip Process, Structural (Physical) Quality.

I. ASTM B221 - Aluminum and Aluminum-Alloy Extruded Bars, Rods, Wire, Shapes, and Tubes.

J. AWS D1.1 - Structural Welding Code, Steel.

K. FS TT-P-641 - Primer Coating, Zinc Dust/Zinc Oxide (for Galvanized Surfaces).

L. FS TT-P-645 - Primer, Paint, Zinc Chromate, Alkyd Type.

M. IEEE C2 - National Electrical Safety Code.

N. NFPA 80 - Fire Doors and Windows.

O. UL 10B - Fire Tests of Door Assemblies.

1.6 System Description

A. This Section includes two elevator systems; hydraulic type; holeless hoistway cylinder; with motor and pump in the hoistway.

B. Characteristics of each elevator as follows:

1. Rated Net Capacity: 4000 pounds.

2. Rated Speed: 150 feet per minute.

3. Travel Distance (nominal): 16'-0".

4. Number of Stops: Two.

5. Number of Openings: Elevator No. 1 – two-front openings.

6. Clear Inside Car Dimension: 7'-8" by 5'-5" minimum.

7. Hoistway and Cab Entrance Frame Opening Sizes: 4'-0" by 7'-0".

8. Door Operation: Center opening; single speed.

9. Electrical Requirements: 460 volts; three phase; 60 Hz; 30 hp; reduced solid state starting voltage; and 115 Volt, single phase, 60 Hz.

C. Program hoistway and car doors to open simultaneously and automatically when car arrives at floor.

1. Electrically cushion door movements at both travel limits.

2. Provide for manual operation in case of power failure.

D. Include solid state door reversing edge consisting of multiple infrared beams from top to bottom of opening, active at all times.

E. Program door operating sequence to minimize car and hall door open and close times.

F. Program controls to minimize delays and the return of car to service, should doors be prevented from closing for a predetermined time.

G. If doors are prevented from closing for approximately 10 seconds because of an activated obstruction safety device, automatically disconnect door control device, allow doors to close more slowly, and recycle until obstruction is cleared; sound alarm

H. Special Operational Features:

1. Firefighter's Operation.

2. Interconnect with building fire and smoke alarm system.

I. Seismic Design: Provide equipment in accordance with General Design Notes on Drawing Sheet S-001.

1.7 System Power Requirements

A. Protect elevator equipment against damage or malfunction due to change, to or from, normal power supply and emergency power supply.

1.8 Quality Assurance

A. Manufacturer: Company specializing in manufacturing elevator equipment with ten (10) years minimum experience.

B. Installer: Employees and supervisor approved by elevator equipment manufacturer.

C. Conform to ASME A17.1 and IEEE C2 and as supplemented in this Section.

D. Door and Frame Assemblies: NFPA 80 and UL 10B.

E. Perform welding in accordance with AWS D1.1.

1.9 Regulatory Requirements

A. Conform to applicable code for manufacture and installation of elevator system.

B. Conform to ADAAG for provisions for the physically handicapped.

1.10 Tests

A. Provide inspection and testing of each elevator system under provisions of Division 1.

B. Obtain required permits to perform tests.

C. Perform tests required by regulatory agencies.

D. Schedule tests with authority having jurisdiction and require Construction Manager, Owner, and Contractor presence.

1.11 Submittals

A. Submit shop drawings and product data under provisions of Division 1.

B. Indicate the following minimum information on shop drawings:

1. Motor and hydraulic pump, valves, controller, motor generator, selector, governor, and other component locations.

2. Car, guide rails, buffers, and other components in hoistway.

3. Rail bracket spacing and maximum loads on guide rails.

4. Reactions at points of support.

5. Weights of principal components.

6. Top and bottom clearance and overtravel of car and counterweight.

7. Location of circuit breaker, switchboard panel or disconnect switch, light switch, feeder extension points in machine room, phone requirements, electrical requirements, and wiring diagrams.

8. Locations in hoistway and machine room of traveling cables and connections for car light and telephone.

9. Location and size of ladder, trap doors, and access doors.

10. Loads on hoisting beams.

11. Expected heat dissipation of elevator equipment in machine room.

12. Elevator control functions and operational description.

13. Seismic design data certified by a Registered Professional Engineer, registered in the State of Indiana.

C. Provide product data on the following items:

1. Signal and operating fixtures, operating panels, and indicators.

2. Cab design and components.

3. Door and frame details.

4. Electronic equipment to control and monitor elevator control functions.

D. Submit samples for selections of floor and wall materials under provisions of Division 1.

1.12 Operation And Maintenance Data

A. Submit operation and maintenance data under provisions of Division 1.

B. Include description of elevator system's method of operation and control including motor and pump unit, door operation, signals, firefighter's service, emergency power operation, and special or non-standard features provided.

C. Provide parts catalogs with complete list of equipment replacement parts with equipment description and identifying numbers.

D. Provide legible schematic of hydraulic piping and wiring diagrams covering electrical equipment installed, including changes made in final work, with symbols listed corresponding to identity or markings, on both machine room and hoistway apparatus.

E. Provide any special portable computer display device or special test equipment required, including all board schematics and component listings. If the portable computer display devices have degenerative life span, provide new device at necessary intervals at no cost to the Owner.

F. Provide on-board service tool.

1.13 Preinstallation Conference

A. Convene a preinstallation conference one week prior to commencing work of this Section, under provisions of Division 1.

B. Require attendance of persons directly involved with the work of this Section.

C. Review schedule of installation, installation procedures and conditions, and coordination with related work.

D. Review temporary use of No. elevator, hours of use, scheduling of its use, cleanliness of cab, employment of operator, and maintenance of system.

1.14 Maintenance Service

A. Furnish complete service and maintenance of elevator system and components for a period of twelve (12) months after final acceptance.

B. Examine weekly; clean, adjust, and lubricate all equipment.

C. Maintain hydraulic fluid levels.

D. Repair or replace parts whenever required.

1. Use parts produced by the manufacturer of the original equipment.

E. Perform work without removing cars from service during peak traffic periods.

F. Provide emergency call back service during working hours for this maintenance period.

G. Maintain locally, near the place of the work, an adequate stock of parts for replacement or emergency purposes, and have qualified installation personnel available to ensure the fulfillment of this maintenance service without unreasonable loss of time.

H. Perform maintenance work using competent personnel, under the supervision of the elevator manufacturer.

I. Maintenance service shall not be assigned or transferred to any agent or subcontractor without prior written consent of the Owner.

2 Products

2.1 Hydraulic Elevators - Acceptable Manufacturers

A. ThyssenKrupp Elevator, Memphis, Tennessee. **Basis of Design, Endura MRL, 4000 lb capacity.**

B. Otis Elevators, United Technologies, Farmington, Connecticut.

C. KONE Inc., Moline, Illinois.

D. Schindler Elevator Corporation, Morristown, New Jersey.

E. Elevators assembled by Amco Elevator Company, Indianapolis, Indiana are acceptable.

2.2 Materials

A. Rolled Steel Sections, Shapes, Rods: ASTM A36.

B. Casing: ASTM A139, Grade A steel.

C. Sheet Steel: ASTM A366; Class 1; with matte finish; ASTM A446, Grade B; zinc coated to G90.

D. Stainless Steel: ASTM A167; Type 304; No. 4 finish.

E. Aluminum: ASTM B221; extruded 6063 alloy with T6 temper.

F. Plywood: APA rated sheathing, span rating 32/16, Exposure 1, sanded.

G. Plastic Laminate: 1/16 inch thick; color/pattern as selected from manufacturer's available options.

H. Primer for Galvanized Surfaces: FS TT-P-641.

I. Primer for Plain Steel Surfaces: FS TT-P-645.

J. Primer for Wood Surfaces: Alkyd primer sealer.

2.3 Equipment

A. Motors, Pumps, Valves, Regulators, Fluid Tank, Hydraulic Fluid, Controller, Controls, Buttons, Wiring and Devices, Indicators: UL approved.

1. Power Unit: Self-contained oil pumping and control mechanism including oil reservoir with tank cover and covered controller compartment; submerged oil-hydraulic pump; electric motor; oil control unit with high pressure relief valve, check valve, automatic unloading up start valve, lowering and leveling valve, and a magnetic controller.

    a. Mount power unit on vibration pads.

2. Jack Unit: Sized to lift gross load to specified height, consisting of heavy seamless steel tubing plunger accurately turned and polished; stop ring electrically welded to the plunger to prevent plunger from leaving cylinder; internal guide bearing; packing or seal; drip ring; steel pipe cylinder with pipe connection and air bleeder; and oil recovery system.

    a. Weld brackets to cylinder to support elevator on pit channels.

    b. Provide auxiliary safety bulkhead in lower end of cylinder.

    c. Install jack in PVC or HDPE casing with glued-on bulkhead.

3. Wiring, Piping, and Oil: Furnish all wiring required in hoistway in accordance with the National Electrical Code.

    a. Provide all piping and fittings to connect power unit to jack unit.

    b. Furnish sufficient quantity of oil of proper grade.

4. Sound Insulating Panels: If dry units are provided, fabricate sound insulating panels of reinforced 16 gage steel with 1 inch thick, 1 1/2 pound density fiberglass, mounted on all four open sides of power unit frame.

5. Sound Isolating Couplings: Install minimum of two in oil line in machine room between pump and jack.

6. Oil-Hydraulic Silencer: Install in oil line at power unit.

7. Oil Viscosity Control: Provide oil viscosity control to maintain all hydraulic fluid in the reservoir at a minimum of 100 degrees F at all times.

    a. If oil temperature drops below preset temperature the elevator shall be dispatched to the lowest landing at which point the pump shall by-pass the hydraulic fluid in the system without car motion until preset temperature is reached.

    b. Normal response to the elevator demand will not be affected by this control.

    c. Immersion resistance tank heaters will not be acceptable.

B. Spring Buffers, Attachment Brackets, and Anchors: Purpose designed, sized according to code with safety factors.

    1. Buffers: Mount buffers in elevator pit on continuous channels fastened to guide rails or anchored to pit floor.

C. Pump Housing: Sheet steel, acoustically insulated, removable.

D. Guide Rails: Planed steel guide rails.

    1. Fit top and bottom of car stile with self-aligning, swivel type guide shoes with metal body and removable, non-metallic liners.

E. Alarm Bell: Connect to plainly marked button in the car.

F. Car Top Inspection Station: Provide emergency stop switch and constant pressure direction buttons to override normal operating devices, located on car top.

G. Automatic Terminal Limits: Place electric limit switches in hatch near terminal landings to cut off electric current and stop car should it run beyond either terminal landing.

H. Automatic Self-Leveling: Provide automatic self-leveling of car, independent of operating devices, to correct for overtravel or undertravel and to maintain car approximately level with landings regardless of load.

I. Provide locked key box for use by the local fire department.

    1. Locate as approved by the ArchitectConstruction Manager.

2.4 Simplex Selective Collective Automatic Operation

A. Start car upon momentary pressure of one or more car or landing buttons, other than those for landing at which car is standing.

1. Cause car to stop at first landing for which car or landing button is pressed, corresponding to direction in which car is traveling.

B. Stop car at landings for which calls are registered.

1. Make stops in order in which landings are reached, regardless of sequence in which buttons are pressed, provided button for given landing is pressed sufficiently in advance of arrival of car at that landing to permit stop to be made.

C. If no car buttons are pressed and car starts up in response to several down calls, proceed first to highest down call and reverse to collect other down calls.

1. Collect up calls similarly when car starts down in response to such calls.

D. If car stops for landing call and car button is pressed within predetermined interval after stop for landing corresponding to direction car was traveling, proceed in same direction regardless of other landing calls registered.

E. If down landing buttons are pressed while car is traveling up, do not stop car at these landings, but allow calls to remain registered.

F. After highest car and landing calls have been answered, reverse car automatically and respond to down car and landing calls.

G. When traveling down, do not permit car to respond to up landing calls, but allow these calls to remain registered to be answered on next up trip.

H. At each stop in response to either car or corridor call, hold car at landing for adjustable time interval to permit passengers to enter or exit.

1. Cancel interval upon registration of car call or pressure on DOOR CLOSE button.

2.5 Firefighter's Operation

A. Provide automatic firefighter's operation in accordance with ANSI A17.1 initiated by building fire and smoke alarm or fire sensing devices.

B. Locate three-position keyed switch, with pilot light, illuminated when this operation is in effect, marked MANUAL/AUTOMATIC/RESET with key removable in AUTOMATIC position only, at main level of building in designated location.

C. Do not permit sensing devices to restore normal service.

D. Furnish two position keyed switch with key removable in OFF position only, marked FIREFIGHTER'S OPERATION in each car, located in or adjacent to operating panel marked ON and OFF/CANCEL CALLS.

E. Number cars at main floor using minimum 6 inch high, readily distinguished numbers.

F. Arrange emergency power to operator position indicators in cars at .

G. Deliver keys to Owner.

2.6 Emergency Power Operation

A. Arrange operation from a self contained emergency power supply consisting of battery and battery charger.

1. Upon failure of normal power and the establishment of emergency power, deliver each car to the main floor level, stop car, and open doors.

2. Park car with doors closed.

3. Resume normal operation upon restoration of normal power supply.

2.7 Electrical Components

A. Fittings: Steel compression type for electrical metallic tubing.

1. Fittings with set screws are acceptable only when a separate grounding conductor is also installed across the joint.

B. Spare Conductors: Include 10 percent extra conductors and two pairs of shielded audio cables in traveling cables.

C. Do not use armoured flexible metal conduit as grounding conductor.

D. Provide additional disconnect switches and wiring to suit machine room layout.

E. Include wiring and connections to elevator devices remote from hoistway and between elevator machine rooms.

F. Electrical Requirements: Provide all controls, control wiring, and control connections.

1. All conduit, power, and power wiring will be provided by the Electrical Contractor.

2.8 Lubrication

A. Grease Fittings: For lubricating bearings requiring periodic lubrication.

B. Grease Cups: Automatic feed compression type.

C. Lubrication Points: Visible and easily accessible.

2.9 Platform And Sling

A. Fabricate platform of formed or structural steel frame, gusseted and welded.

B. Fabricate sling of steel stiles affixed to steel crosshead and bolster with bracing members to remove all strain from cab enclosure.

C. Provide two layers of 3/4 inch plywood flooring over steel stringers.

D. Fireproof underside of platform.

E. Affix steel bumper plates to bottom of bolster channels and fasten sling to plunger with platen plate with clamps and cap screws.

2.10 Cab Fabrication

A. Cab Design: LP as manufactured by Thyssen Krupp, or an approved equal.

B. Flooring: Refer to Finish Legend on Drawings.

C. Walls: Plastic laminate on wood core construction.

D. Ceiling: Steel canopy construction, including emergency exit, with suspended plastic grid diffusers in baked enamel steel frame.

E. Light Fixtures and Ventilation Fan:

1. Fluorescent fixtures, complete with lamps.

2. Manufacturer's standard ventilation fan.

3. Emergency Light: Provide emergency light with battery and charger.

F. Control Panel and Face Plate: Stainless steel with illuminating call buttons.

G. Indicator Panel: Above door or control panel with illuminating position indicators.

H. Bumper Rail: Stainless steel, spaced from wall; three sides.

I. License Frame and Glass: Attached with tamper proof screws.

J. Cab Doors: Stainless steel; 16 gage, of insulated sandwich panel construction, flush design, rolled profiles, rigid construction.

1. Hang doors on sheave type hangers with polyurethane tires, rolling on a polished steel track.

2. Guide door bottoms with non-metallic shoes riding in a smooth threshold groove.

K. Cab Door Frames: Stainless steel; 16 gage, of rolled profiles.

L. Thresholds: Extruded aluminum type.

M. Pad Hooks: Stainless steel type, in Cab No. all cabs.

N. Wall Mats: One set canvas covered, padded with sponge fill material, sewn with piping edges; brass grommets spaced to match pad hook spacing, covering front with cutout for control panel, side, and rear walls.

2.11 Hoistway Entrances

A. Hoistway Doors: Baked enamel on steel; 16 gage metal, of insulated sandwich panel construction, flush design, rolled profiles, rigid construction.

1. Construct fascia panels same as doors.

B. Hoistway Door Frames: Baked enamel on steel; 16 gage, of rolled profiles.

C. Door and Frame Construction: Per code, with applicable fire rating; insulated sandwich panel construction, minimum 1 1/4 inches thick.

D. Interlocks: Equip hoistway entrance with interlocks to prevent movement of car away from landing until doors are locked in a closed position and to prevent doors from opening at any landing, from corridor side, unless car is at rest at that landing or is in the leveling zone and stopping at that landing.

E. Unlocking Device: Provide hoistway door unlocking devices to permit authorized persons access to hoistway when elevator is away from landing.

2.12 Finishes

A. Structural Metal Surfaces: Clean surfaces of rust, oil, or grease; wipe clean with solvent; prime two coats.

B. Machine Room Components: Clean and degrease; one coat primer.

C. Galvanized Surfaces: Clean with neutralizing solvent; prime one coat.

D. Stainless Steel: #4 satin finish.

E. Wood Surfaces Not Exposed to Public View: One coat primer.

F. Baked Enamel on Steel: Clean and degrease metal surface; apply one coat of zinc oxide primer sprayed and baked.

G. Finish Painting: Under Section 09 91 00.

2.13 Car Operating Panel

A. Provide one flush mounted operating panel per car; faceplate integral with front return panels containing illuminated call buttons corresponding to floors served, emergency stop switch, alarm button, and DOOR OPEN button; key operated light switch.

B. Position emergency stop switch and alarm button where they are unlikely to be accidentally actuated and not more than 54 inches above car floor.

C. Telephone Compartment: Provide telephone compartment with hinged door.

1. Furnish wires in traveling cable.

2. Telephone will be furnished by Owner.

D. Car Riding Lantern: Provide within car to indicate direction of travel and floor at which car is stopped or stopping.

E. Floor Identification Signs: 2 inch high permanent markings integrated into door jamb to indicate floor identification when doors are open.

F. Include service cabinet integral with front return panel with hinged door and lock in each car containing the following:

1. Fan or blower switch.

2. Light switch.

3. Necessary additional operating switches.

4. Inspection switch.

5. Independent service switch.

2.14 Hall Controls

A. Hall Buttons: Illuminating type, one for originating up and one for originating down calls; one button only at terminating landings; marked with raised arrows.

1. Provide spring loaded on-off key switch.

2. Engrave Appendix O signage in each hall station.

B. Hall Lanterns: Illuminating white up and green down arrows, with audible signals at each landing for each elevator.

C. Hall Position Indicator: Provide in corridor at main floor to indicate direction of travel and floor at which car is stopped.

2.15 Seismic Criteria

A. Design and assemble elevator equipment and components to withstand earthquake forces in accordance with applicable code.

B. Include adjustable seismic trigger switches to operate elevators whenever predetermined level of seismic acceleration is detected:

1. Prevent idle elevators from starting.

2. Stop elevators at next available stop.

2.16 Design For Handicapped

A. Comply with ADAAG.

B. Locate uppermost button in elevator cab control panel and center-line of telephone handset, not more than 54 inches above floor level.

C. Include stainless steel handrails on three sides of car, with ends returned.

D. Sound audible soft-tone signal in car when car is stopping or stopped at a floor.

E. Where hall indicators with gongs are provided, sound gongs once for up stops and twice for down stops.

F. In each cab provide Braille and Arabic numerals 5/8 inch in height, raised 0.03 inch to identify floor.

G. At each floor landing provide Braille and 2 inch floor numerals, raised 0.03 inch on and adjacent to hall call buttons.

H. Provide Braille and 2 inch high floor numerals on both jambs, raised 0.03 inch.

3 Execution

3.1 Inspection

A. Verify that hoistway and pit are ready for work of this Section.

B. Verify shaft and openings are of correct size and within tolerances.

C. Verify location and size of machine foundation and position of machine foundation bolts.

D. Confirm electrical power is available and of correct characteristics.

E. Report defects or deficiencies in writing.

F. Beginning of installation means acceptance of conditions.

3.2 Preparation

A. Arrange for temporary electrical power to be available for installation work and testing of elevator components.

3.3 Installation

A. Install in accordance with ASME A17.1.

B. Install hoistway and machine room components.

1. Connect equipment to building utilities.

2. Install piping between hoistway plunger and pump unit.

C. Provide conduit, boxes, wiring, and accessories within machine room, hoistway, and signal outlets.

D. Mount motor and pump unit on vibration and acoustic isolators, on bed plate, and concrete pad or as directed by manufacturer.

1. Place machine on structural supports and bearing plates.

2. Securely fasten to building supports.

3. Prevent lateral displacement.

E. Arrange equipment in machine roomless configuration so functioning equipment and other equipment can be removed for repairs or replaced without dismantling or removing other equipment components.

1. Arrange equipment for clear passage to access door.

2. Accommodate equipment in space indicated.

F. Install guide rails using threaded bolts with metal shims and lockwashers under nuts.

1. Compensate for expansion and contraction movement of guide rails.

G. Accurately machine and align guide rails.

1. Form smooth joints with machined splice plates.

H. Bolt brackets to self drilling expansion shell anchors that will perform to four times the rated pull-out load.

I. Field Welds: Chip and clean away oxidation and residue; wire brush weld; prime two coats.

J. Coordinate installation of hoistway wall construction.

K. Install hoistway door sill supports, sills, frames, and headers in hoistway walls.

1. Grout sills in place, if required.

2. Set entrances in vertical alignment with car openings and aligned with plumb hoistway lines.

L. Fill hoistway door frames solid with grout.

M. Adjust equipment for smooth and quiet operation.

3.4 Tolerances

A. Guide Rail Alignment: Plumb and parallel to each other in accordance with ASME A17.1.

B. Cab Movement on Aligned Guide Rails: Smooth movement, with no perceptable lateral or oscillating movement or vibration.

3.5 Coordination

A. This Contractor shall review all Drawings and Specifications to ensure that all connections to the hydraulic elevator are coordinated with the various trades and provided.

3.6 Field Quality Control

A. Perform field inspection and testing under provisions of Division 1.

B. Perform and meet tests required by ASME A17.1.

C. Supply instruments and execute specific tests.

D. Furnish test and approval certificates issued by jurisdictional authorities.

E. Provide two weeks written notice of date and time of tests.

F. Perform the following tests in the presence of the ArchitectConstruction Manager:

1. Test elevator system by carrying at least persons up from main floor during a 5 minute period with maximum average time interval of seconds between cars, with cars leaving main floor during same 5 minute period.

2. Assume car loading of persons; highest call return at floor; no interfloor or down traffic; seconds passenger transfer time at upper floors and probable stops in up direction.

G. At an agreed time during warranty period, and with building normally occupied using normal building traffic, conduct tests to verify performance.

1. Furnish event recording of all hall call registrations, time initiated, and response time throughout entire normal working day.

H. Time elevator travel between typical floors in not more than seconds.

1. Measure time from moment doors start to close until car has stopped level with next floor and doors are opening.

3.7 Cleaning

A. Remove protective coverings from finished surfaces.

B. Clean surfaces and components ready for inspection.

3.8 Adjusting

A. Adjust for smooth acceleration and deceleration of car to provide passenger comfort.

B. Adjust doors to open only at the landing where the car is at rest.

1. The opening sequence may begin only when the car is at rest.

2. The car must be at rest before the hoistway door is fully open.

C. Adjust automatic floor leveling feature at each floor to achieve an alignment of cab floor and landing floor within 1/4 inch from flush.

3.9 Protection

A. Protect finished installation under provisions of Division 1.

END OF SECTION

PROJECT:

NEW ADMINISTRATION CENTER, ALTERNATIVE EDUCATION AND RESOURCE CENTER, AND RELATED WORK

CROWN POINT COMMUNITY SCHOOL CORPORATION
CROWN POINT, INDIANA

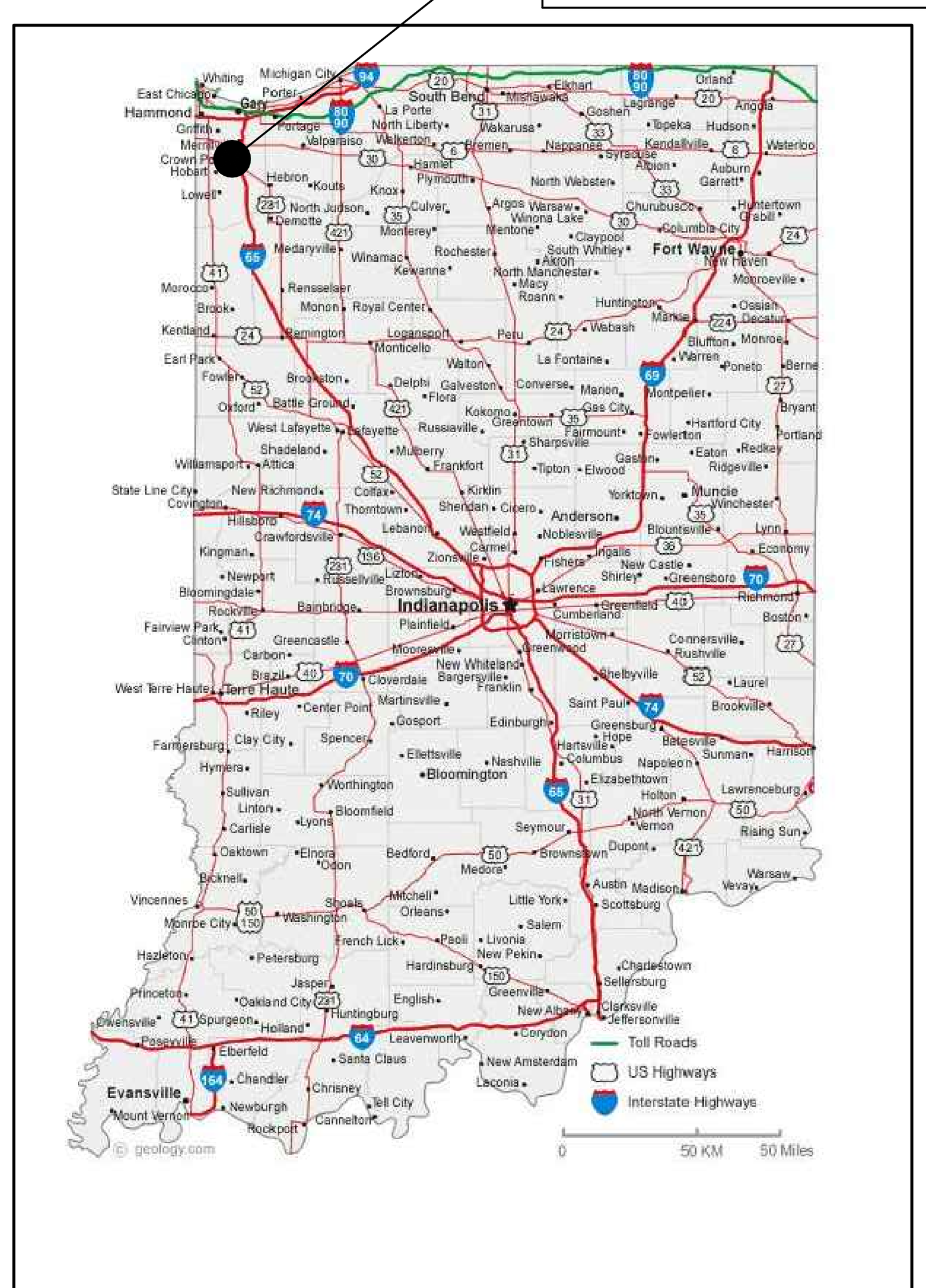
VOLUME 1

CONSTRUCTION DRAWINGS

04/15/2022

CIVIL
STRUCTURAL
ARCHITECTURAL
KITCHEN EQUIPMENT

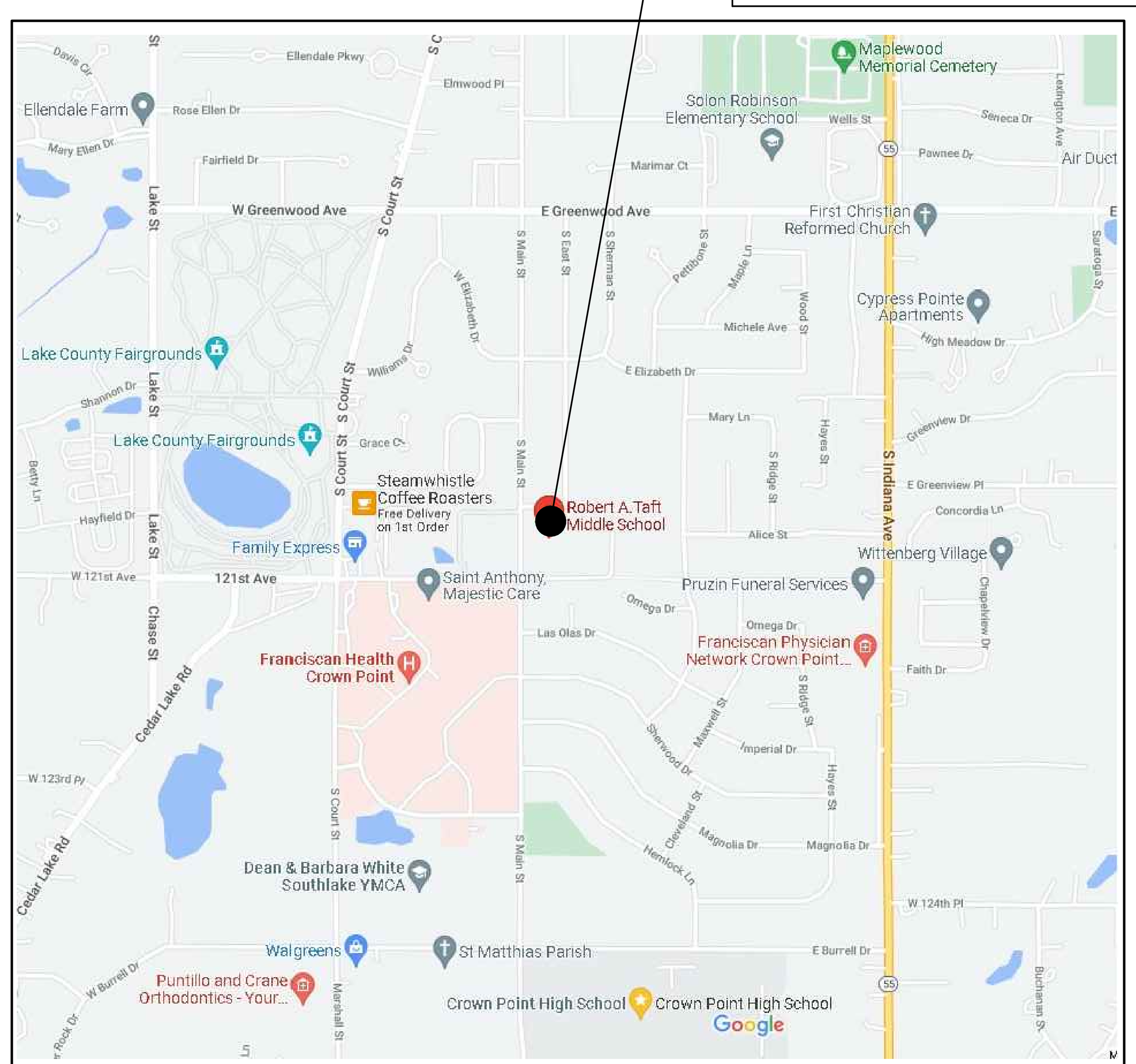
CROWN POINT



INDIANA

VICINITY MAP
NO SCALE

PROJECT LOCATION



1000 S MAIN ST, CROWN POINT, IN 46307

LOCATION MAP
NO SCALE

ALTERNATIVE EDUCATION
REFER TO SHEETS:
G-210
A-110
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NEW ADMINISTRATION
REFER TO SHEETS:
G-201
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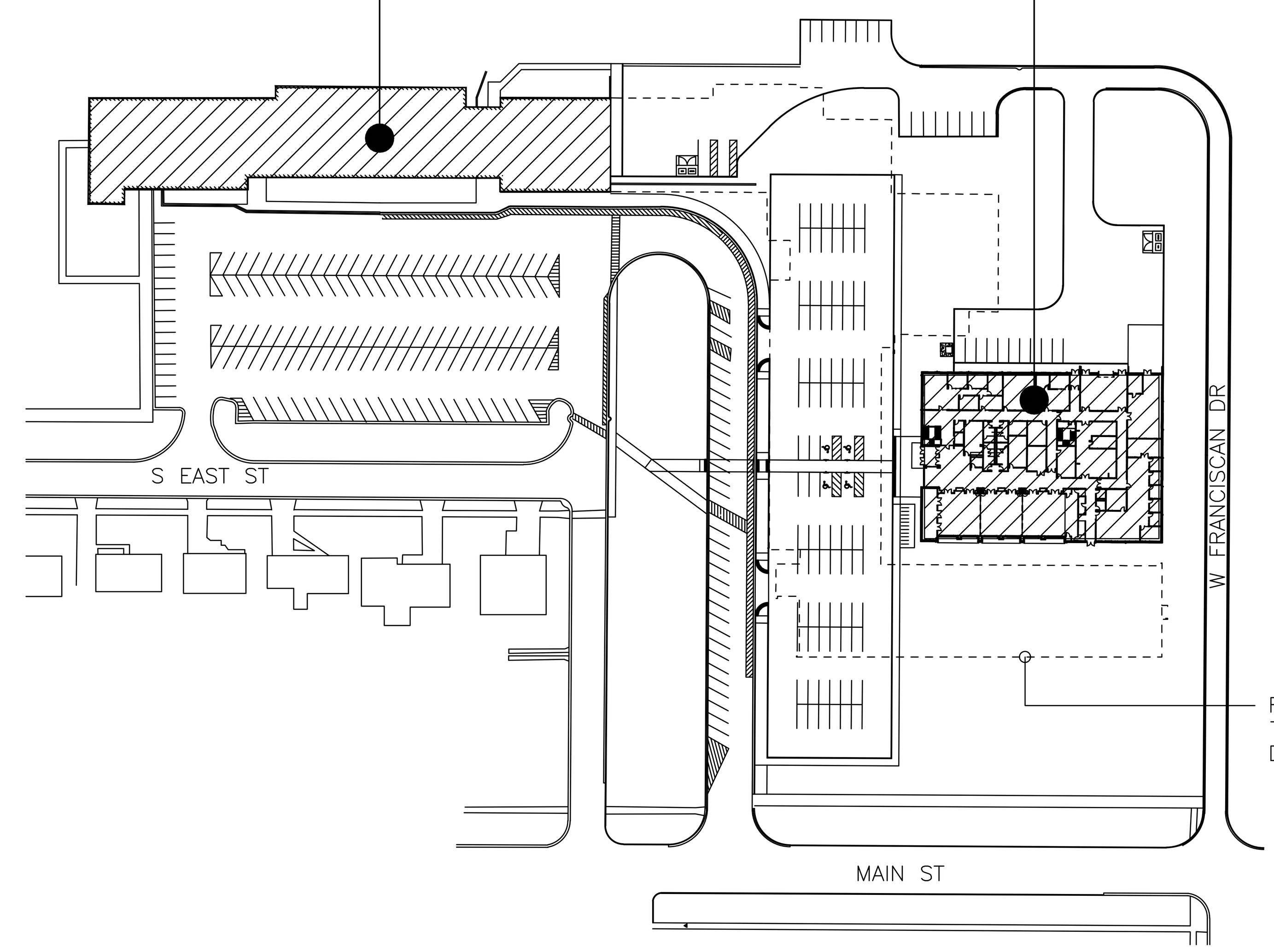
A-102



FOOTPRINT OF EXISTING TAFT SCHOOL TO BE DEMOLISHED

AD-2

OVERALL SITE
NO SCALE

GIBRALTAR
DESIGN
ARCHITECTURE ENGINEERING INTERIOR DESIGN

The SKILLMAN Corporation

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GIBRALTAR
DESIGN
ARCHITECTURE • ENGINEERING • INTERIOR DESIGN

PROJECT
NEW ADMINISTRATION CENTER, ALTERNATIVE EDUCATION & RESOURCE CENTER, AND RELATED WORK
CROWN POINT COMMUNITY SCHOOL CORPORATION
CROWN POINT, INDIANA

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PROJECT 21-115
DATE 04/15/22
COORDINATED BY
DRAWN BY
CHECKED BY

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

REVISIONS

MARK	DATE	ISSUED FOR
AD-2	5/5/22	ADDENDUM NO. 2

DRAWING
COVER-SHEET INDEX

PROJECT
NEW ADMINISTRATION CENTER, ALTERNATIVE EDUCATION & RESOURCE CENTER, AND RELATED WORK

SHEET
G-101

Thursday, 5/5/2022 - 4:46 PM - LAST SAVED BY:EMCCAULEY
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T-001 TELECOMMUNICATIONS LEGEND

TS-100 SITE PLAN

TS-501 TELECOM SITE PLAN DETAILS

AR TD-110 TELECOMMUNICATIONS LOWER LEVEL DEMOLITION PLAN
AR TD-111 TELECOMMUNICATIONS OVERALL MAIN LEVEL DEMOLITION PLAN
AR TD-112 TELECOMMUNICATIONS MAIN LEVEL DEMOLITION PLAN

AD T-101 FIRST FLOOR TELECOMMUNICATIONS PLAN
AD T-102 SECOND FLOOR TELECOMMUNICATIONS PLAN

AR T-110 TELECOMMUNICATIONS LOWER LEVEL PLAN
AR T-111 TELECOMMUNICATIONS MAIN LEVEL PLAN

AD T-401 TELECOMMUNICATIONS MAIN EQUIPMENT ROOM 133 ENLARGED DETAILS
AD T-402 TELECOMMUNICATIONS ROOM 223 ENLARGED DETAILS

AR T-410 TELECOMMUNICATIONS ALT ED ROOMS ENLARGED

T-501 OUTLET DETAILS
T-502 OUTLET DETAILS
T-503 TELECOMMUNICATIONS ROOM DETAILS
T-511 TELECOMMUNICATIONS DETAILS

T-601 TELECOMMUNICATIONS DIAGRAMS

T-701 TELECOMMUNICATIONS PATHWAY AND ROUGH-IN
T-702 TELECOMMUNICATIONS PATHWAY AND ROUGH-IN

T-741 AUDIO VISUAL ROUGH-IN DETAILS
T-742 AUDIO VISUAL ROUGH-IN DETAILS

T-771 SECURITY ROUGH-IN DETAILS

GIBRALTAR DESIGN
ARCHITECTURE • ENGINEERING • INTERIOR DESIGN

PROJECT
NEW ADMINISTRATION CENTER, ALTERNATIVE EDUCATION & RESOURCE CENTER, AND RELATED WORK

CROWN POINT COMMUNITY SCHOOL CORPORATION
CROWN POINT, INDIANA

GIBRALTAR DESIGN
9102 N. Meridian St., Ste. 300
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PROJECT 21-115
DATE 04/15/22
COORDINATED BY EJM
DRAWN BY RGH
CHECKED BY EJM

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

REVISIONS

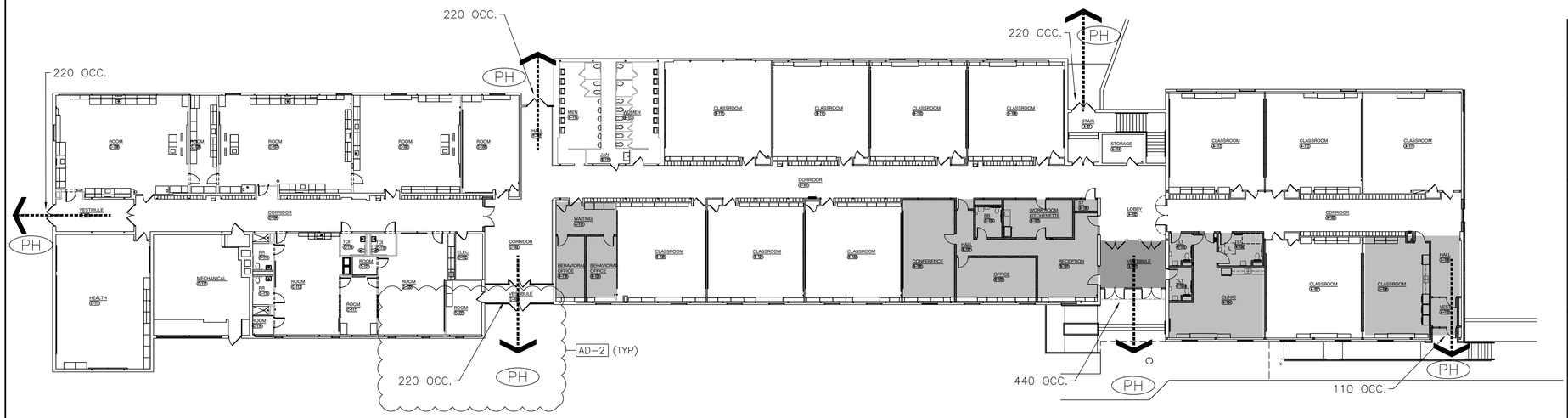
MARK	DATE	ISSUED FOR
AD-2	05/05/22	ADDENDUM NO. 2

DRAWING
SHEET INDEX
VOLUME 1

PROJECT
NEW ADMINISTRATION CENTER, ALTERNATIVE EDUCATION & RESOURCE CENTER, AND RELATED WORK

SHEET
G-102

Thursday, 5/5/2022 – 4:35 PM – LAST SAVED BY:RHAMID
Y:\21-115 CROWN POINT CSC – NEW ADMIN CENTER, ALTERNATIVE SCHOOL AND RELATED WORK\21-115 DRAWINGS – ALTERNATIVE ED\02 GEN\G-102.DWG



UPPER LEVEL SAFETY PLAN

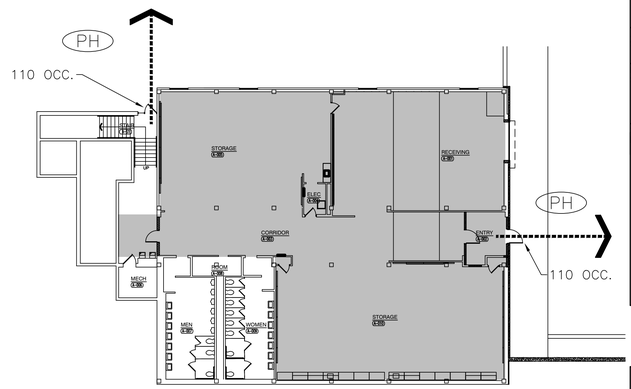
SCALE: 1/16" = 1'-0"

NORTH

PLUMBING FIXTURE COUNTS FOR NEW ADDITIONS

USER GROUP	NUMBER OF USERS	USERS PER GENDER	WATER CLOSETS		LAVATORIES		DRINKING FTNS.		SERVICE SINKS	
			REQUIRED	PROVIDED	REQUIRED	PROVIDED	REQUIRED	PROVIDED	REQUIRED	PROVIDED
REMAINING SCHOOL FACILITY	150	M: 75		6 WC 6 URNL		10 LAVS		2		1
		F: 75		11 WC		10 LAVS				
SCHOOL ADDITION (SECURE VESTIBULE)	0	M: 0								
		F: 0								
TOTAL	150	M: 75	2	6 WC 6 URNL	2	10 LAVS	2	2	1	1
		F: 75	2	11 WC	2	10 LAVS				

AD-2



LOWER LEVEL SAFETY PLAN

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

NORTH

LIFE SAFETY GENERAL NOTE:

LIFE SAFETY INFORMATION IS PROVIDED FOR USE BY ALL CONTRACTORS. CONTRACTORS ARE RESPONSIBLE FOR COMPLYING WITH CODE REQUIREMENTS (INCLUDING BUT NOT LIMITED TO: RATED ASSEMBLIES, FIRE PROTECTION, FIRESTOPPING, DAMPERS, AND HARDWARE) INDICATED INCLUDING CONDITIONS WHERE THESE REQUIREMENTS ARE NOT DETAILED. REPORT CONFLICTS OR DISCREPANCIES TO THE ARCHITECT FOR RESOLUTION PRIOR TO STARTING WORK.

Applicable Code:	2014 Indiana Building Code 2014 Indiana Mechanical Code 2012 Indiana Plumbing Code 2009 Indiana Electrical Code 2010 Indiana Energy Conservation Code 2014 Indiana Fire Code ICC/ANSI A-117.1 Standard, 2009 Edition General Administrative Rules (GAR)
Building Description	The building is an existing 2-level structure, with the original portion constructed in 1954, with additions in 1957, 1959, 1960, 1965, 1967, and 1975. The original building was an elementary school, with the 1957 addition a junior high school. Subsequent additions included the gymnasium/cafeteria and expansion of the junior high school. The building is currently occupied as Taft Middle School.
Scope of Project	The current project involves the following scope of work: • Demolition of the southern portion of the building, with the 1957 and 1960 portions of the building to remain • The main level of the building will be repurposed as the school corporation's Alternative Education program • Scope of work on the main level will include build-out of new administrative offices, with limited work in classrooms and educational areas • The remaining portion of the lower level will be converted to a storage area for the school corporation – storage will be school supplies and related items • An area of approximately 300 sq ft under the existing front canopy will be built out to serve as a vestibule to create a secure entry to the building
Code Strategy and Application of Codes to the Project	The continued use of the main level of the building for E Occupancy use is permitted without requiring the entire existing building or portions of the existing building to be brought into compliance with current codes [Rule 4, Section 11(a), GAR] The scope of construction within the proposed alteration is required to comply with current codes without requiring the entire existing building or portions of the existing building unaffected by the proposed scope of renovation to be brought into compliance with current codes [Rule 4, Section 12(b), GAR] The following variances will be requested: • To permit conversion of the lower level to S-1 Occupancy without bringing the affected area into compliance with current codes • To permit the vestibule sq footage to be added to a building that exceeds current code limits for nonsprinklered fire area [Rule 5, GAR]
Occupancy Classifications	Educational use areas for students through the 12th grade – E Occupancy [305.1] Administrative offices – accessory occupancy less than 10% of the building area – B Occupancy [304.1, 508.2] Board room – accessory occupancy – A-3 Occupancy [303.4, 508.2]
Construction Type	The building is classified as Type IIB Construction existing
Egress Corridors	New corridor walls and openings will be fire-rated as required [1018.1] Existing corridor construction will remain nonrated as-is, as permitted by codes in effect for the original construction
Automatic Sprinklers:	Automatic sprinklers are not provided in the existing building and will not be provided as part of this project
Fire Alarm System	A fire alarm system is existing throughout the building – a new fire alarm control panel and new annunciator panel will be provided, with existing devices connected to the new panel – devices will be added as necessary in the renovated portions of the building
Smoke Detectors:	Smoke detectors will be provided throughout the lower level storage area to support the proposed variance request

LIFE SAFETY PLAN LEGEND

DOORS WITH PANIC HARDWARE — PH

MAJOR EGRESS ROUTES

ADDITION

RENOVATION

SQUARE FOOTAGE ANALYSIS

EXISTING LOWER LEVEL	7,754 SQ. FT.
EXISTING UPPER LEVEL	32,087 SQ. FT.
EXISTING TOTAL	39,841 SQ. FT.
RENOVATED LOWER LEVEL	5,800 SQ. FT.
RENOVATED UPPER LEVEL	4,371 SQ. FT.
TOTAL RENOVATED AREA	10,171 SQ. FT.
NEW LOWER LEVEL	0 SQ. FT.
NEW UPPER LEVEL	287 SQ. FT.
NEW ADDITION TOTAL	287 SQ. FT.
GRAND TOTAL BUILDING	40,128 SQ. FT.

OCCUPANCY

EXISTING TOTAL	130 STUDENTS
NEW TOTAL	130 STUDENTS

GIBRALTAR DESIGN
ARCHITECTURE • ENGINEERING • INTERIOR DESIGN

PROJECT
NEW ADMINISTRATION CENTER, ALTERNATIVE EDUCATION & RESOURCE CENTER, AND RELATED WORK

CROWN POINT COMMUNITY SCHOOL CORPORATION
CROWN POINT, INDIANA

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PROJECT 21-115
DATE 04/15/22
COORDINATED BY EJM
DRAWN BY EJM
CHECKED BY EJM

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

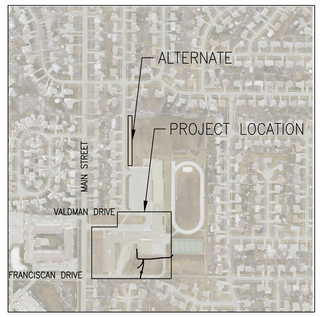
REVISIONS

MARK	DATE	ISSUED FOR
AD-2	5/5/22	ADDENDUM NO. 2

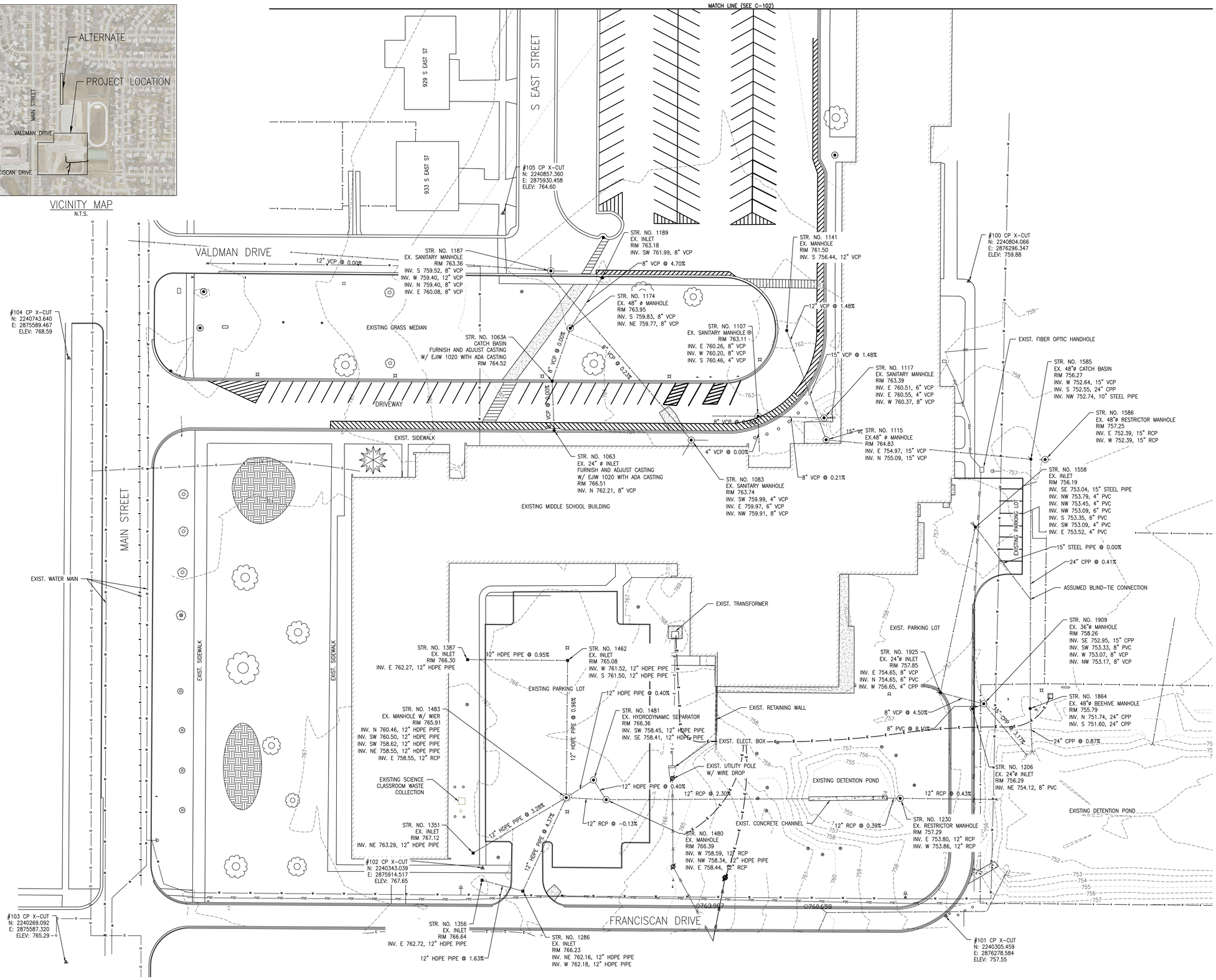
DRAWING
AD-2 MAIN AND LOWER LEVEL LIFE SAFETY PLAN

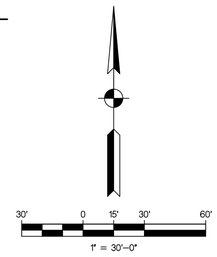
PROJECT
NEW ADMINISTRATION CENTER, ALTERNATIVE EDUCATION & RESOURCE CENTER, AND RELATED WORK

SHEET
AR G-210



VICINITY MAP
N.T.S.





LEGEND

EXISTING TREE	EXISTING GUY WIRE	G G G	EXISTING GAS
EXISTING FIRE HYDRANT	EXISTING LIGHT POLE	T T T	EXISTING TELEPHONE
EXISTING WATER VALVE	EXISTING TELEPHONE BOX	TV TV TV	EXISTING CABLE TV
EXISTING BUFFALO BOX	EXISTING SIGN	E E E	EXISTING ELECTRICAL
EXISTING MAN HOLE	CONTROL POINT	OH OH OH	EXISTING OVERHEAD ELECTRIC
EXISTING CATCH BASIN	PROPERTY CORNER	P P P	EXISTING PIPELINE
EXISTING INLET			EXISTING SANITARY
EXISTING UTILITY POLE			EXISTING STORM
		W W	EXISTING WATERMAIN
		x x x	EXISTING CHAIN LINK FENCE
			EXISTING TREE LINE
		SF SF SF	SILT FENCE
			RIGHT-OF-WAY
			PROPERTY LINE / BUILDING LINE
			SECTION LINE

AD-2 REVISIONS:
1. REMOVED CONTOURS WITHIN EXISTING BUILDING FOOTPRINT.

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PROJECT
NEW ADMINISTRATION CENTER, ALTERNATIVE EDUCATION & RESOURCE CENTER, AND RELATED WORK
CROWN POINT COMMUNITY SCHOOL CORPORATION
CROWN POINT, INDIANA

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PROJECT 21–115
DATE 04/15/22
COORDINATED BY MLM
DRAWN BY MLM / SB
CHECKED BY MLM

MATTHEW L. MINALK REGISTERED NO.11500308 STATE OF INDIANA PROFESSIONAL ENGINEER
4/15/22

REVISIONS

MARK	DATE	ISSUED FOR
AD-2	05/05/22	ADDENDUM 2

DRAWING
EXISTING SITE PLAN

PROJECT
NEW ADMINISTRATION CENTER,
ALTERNATIVE EDUCATION & RESOURCE CENTER,
AND RELATED WORK

GIBRALTAR DESIGN
SHEET
AD C-101

Wednesday, 5/4/2022 - 8:51 AM - LAST SAVED BY:MMHALIK
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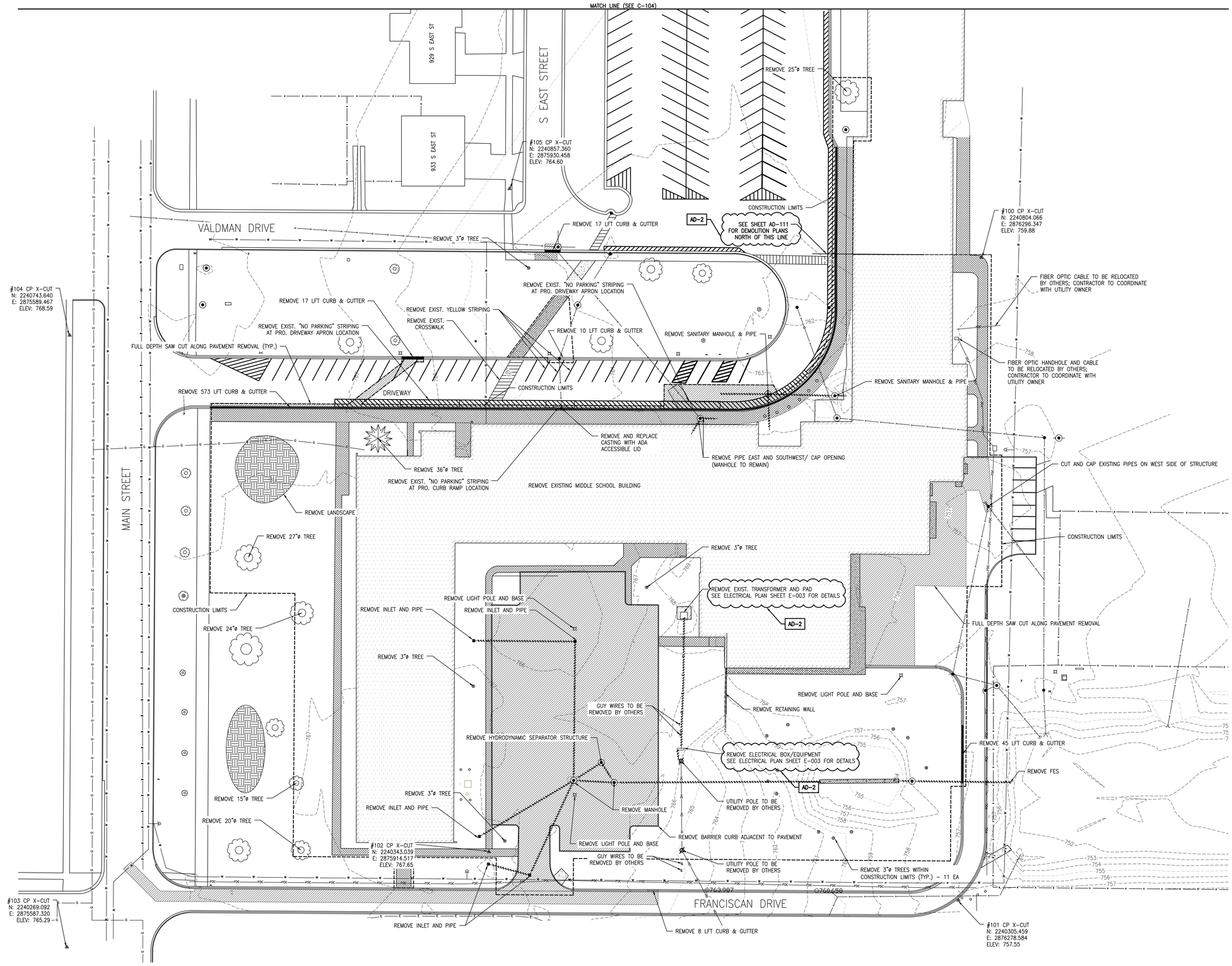

LEGEND

EXISTING TREE	EXISTING GUY WIRE	G G G	EXISTING GAS	W W	EXISTING WATERMAIN
EXISTING FIRE HYDRANT	EXISTING LIGHT POLE	T T T	EXISTING TELEPHONE	x x x	EXISTING CHAIN LINK FENCE
EXISTING WATER VALVE	EXISTING TELEPHONE BOX	TV TV TV	EXISTING CABLE TV		EXISTING TREE LINE
EXISTING BUFFALO BOX	EXISTING SIGN	E E E	EXISTING ELECTRICAL	SF SF SF	SILT FENCE
EXISTING MAN HOLE	CONTROL POINT	OH OH OH	EXISTING OVERHEAD ELECTRIC		RIGHT-OF-WAY
EXISTING CATCH BASIN	PROPERTY CORNER	P P P	EXISTING PIPELINE		PROPERTY LINE / BUILDING LINE
EXISTING INLET			EXISTING SANITARY		SECTION LINE
EXISTING UTILITY POLE			EXISTING STORM		REMOVE BURIED PIPE/CONDUIT

REMOVE BUILDING

REMOVE ASPHALT PAVEMENT

REMOVE CONCRETE

AD-2 REVISIONS:

1. ADDED REFERENCE TO ELECTRICAL SHEET E-003 FOR ELECTRICAL WIRING AND DEMOLITION DETAILS.
2. ADDED REFERENCE TO SHEET AD-111 FOR SIDEWALK DEMOLITION NORTH OF SHOWN MATCH LINE.
3. REMOVED CONTOURS WITHIN EXISTING BUILDING FOOTPRINT.

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PROJECT
NEW ADMINISTRATION CENTER, ALTERNATIVE EDUCATION & RESOURCE CENTER, AND RELATED WORK

CROWN POINT COMMUNITY SCHOOL CORPORATION
CROWN POINT, INDIANA

PROJECT
21-115
DATE
04/15/22
COORDINATED BY
MLM
DRAWN BY
MLM / SB
CHECKED BY
MLM

MATTHEW L. MIHALIK REGISTERED NO.11500308 STATE OF INDIANA PROFESSIONAL ENGINEER
4/15/22

REVISIONS

MARK	DATE	ISSUED FOR
AD-2	05/05/22	ADDENDUM 2

DRAWING
DEMOLITION PLAN

PROJECT
NEW ADMINISTRATION CENTER, ALTERNATIVE EDUCATION & RESOURCE CENTER, AND RELATED WORK

© GIBRALTAR DESIGN

SHEET
C-103

AD

Wednesday, 5/4/2022 - 8:51 AM - LAST SAVED BY:MMIHALIK
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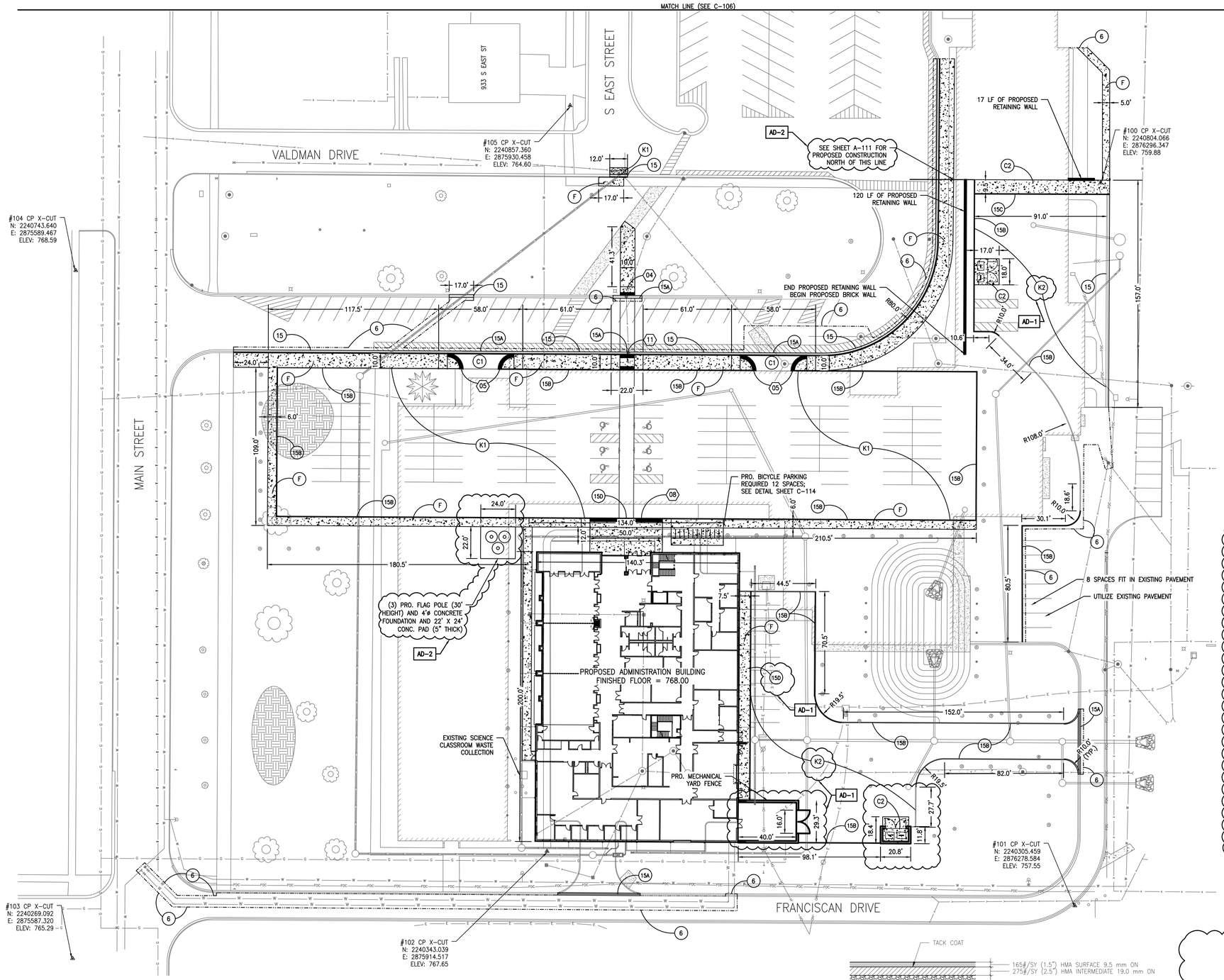
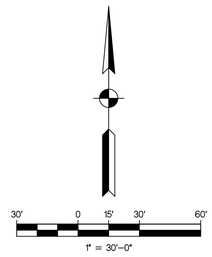
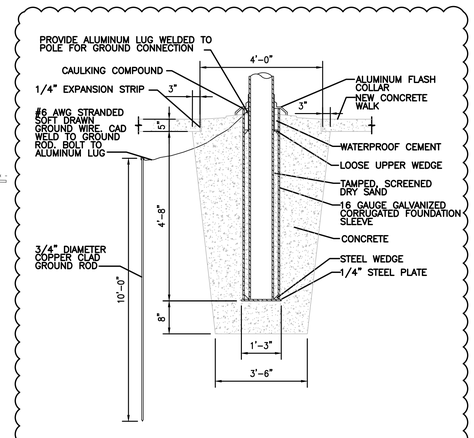
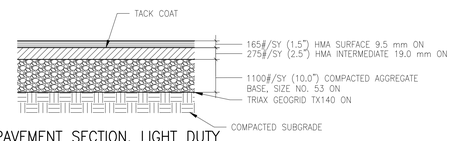


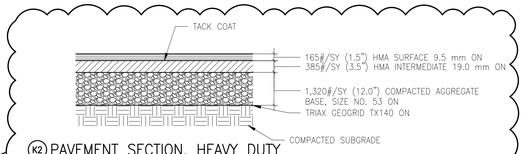




FLAG POLE FOUNDATION
NOT TO SCALE
AD-2



K1 PAVEMENT SECTION, LIGHT DUTY
NOT TO SCALE



K2 PAVEMENT SECTION, HEAVY DUTY
NOT TO SCALE
AD-1

LEGEND

C1 CONCRETE PVMT., 6"	EXISTING TREE	EXISTING GUY WIRE	EXISTING GAS	EXISTING WATERMAIN
C2 CONCRETE PVMT., 8"	EXISTING FIRE HYDRANT	EXISTING LIGHT POLE	EXISTING TELEPHONE	EXISTING CHAIN LINK FENCE
F SIDEWALK, CONC., 5"	EXISTING WATER VALVE	EXISTING TELEPHONE BOX	EXISTING CABLE TV	EXISTING TREE LINE
K1 PAVEMENT SECTION, LIGHT DUTY	EXISTING BUFFALO BOX	EXISTING SIGN	EXISTING ELECTRICAL	SILT FENCE
K2 PAVEMENT SECTION, HEAVY DUTY	EXISTING MAN HOLE	CONTROL POINT	EXISTING OVERHEAD ELECTRIC	RIGHT-OF-WAY
## CURB RAMP, 8", INDOT ST. DWG E 604-SWCR-##	EXISTING CATCH BASIN	PROPERTY CORNER	EXISTING PIPELINE	PROPERTY LINE / BUILDING LINE
6 SAW CUT, FULL DEPTH	EXISTING INLET		EXISTING SANITARY	SECTION LINE
15 CONCRETE CURB AND GUTTER	EXISTING UTILITY POLE		EXISTING STORM	
15A DEPRESSED CURB AND GUTTER				
15B CONCRETE BARRIER CURB, 6"				
15C CONCRETE BARRIER CURB, 7"				
15D DEPRESSED BARRIER CURB				

CONSTRUCTION NOTES:

1. CONTRACTOR TO FIELD VERIFY PIPE ELEVATIONS AND SIZES.
2. CONTRACTOR TO RAISE OR LOWER MANHOLE COVERS/FRAMES AS REQ'D TO MEET NEW ELEVATIONS ASSOCIATED W/ ROAD RECONSTRUCTIONS.
3. CONTRACTOR TO COMPACT ROAD SUBGRADE TO 95% STANDARD PROCTOR ASTM D698 IN MAX 8" LIFTS, NO EXCEPTIONS. AFTER SUBGRADE ACCEPTANCE, CONTRACTOR IS RESPONSIBLE FOR PROTECTION OF SUBGRADE FROM DAMAGE.
4. ALL CONCRETE, SIDEWALK, AND CURB REMOVED SHALL BE SAWCUT FULL DEPTH.
5. PRECAUTIONARY MEASURES TO BE TAKEN TO DE-WATER THE SITE AS NEEDED; NO PIPE IS TO BE PLACED IN STANDING WATER.
6. CONTRACTOR TO PROOF-ROLL PAVEMENT AREAS PRIOR TO PLACEMENT OF INDIANA #53 AGGREGATE. ANY AREAS SHOWING SIGNIFICANT SIGNS OF RUTTING TO BE OVER EXCAVATED AND REPLACED WITH A MINIMUM OF 12" OF INDIANA #2 AGGREGATE.
7. AGGREGATE SUB-BASE TO BE PROOF-ROLLED PRIOR TO PLACEMENT OF ASPHALT. ANY FAILED AREAS TO BE REMOVED AND REPLACED.
8. ALL RADIUS DIMENSIONS ARE PROPOSED BACK OF CURB UNLESS SPECIFIED.
9. BICYCLE RACKS SHALL BE OF THE INVERTED U-STRUCTURE DESIGN.
10. BICYCLE RACKS SHALL ACCOMMODATE U-LOCKS/CHAINS AND SUPPORT BICYCLES AT TWO LOCATIONS ON THE RACK.
11. BICYCLE RACKS SHALL HAVE A THERMOPLASTIC POWDER COATING AND MUST BE ANCHORED SECURELY TO GROUND PER THE MANUFACTURER'S SPECIFICATIONS.
12. BICYCLE RACKS SHALL BE 2'X6' WITH A 5' WIDE ACCESS AISLE FROM BEHIND.

AD-2
13. FLAG POLE SHALL BE 30' MOUNTING HEIGHT CONCORD AMERICAN FLAGPOLE #ESS30C51-SAT (OR APPROVED EQUAL) WITH GOLD ANODIZED BALL TOP, 8" CAST ALUMINUM CLEAT, AND SPUN ALUMINUM FLASH COLLAR.

AD-1 REVISIONS:
1. ADDED HEAVY DUTY PAVEMENT SECTION DETAIL.
2. REVISED PROPOSED PAVEMENT AT RECEIVING LOT AND EAST ADMINISTRATION LOT TO BE HEAVY DUTY PAVEMENT.
3. REVISED BARRIER CURB ALONG SIDEWALK EAST OF ADMINISTRATION BUILDING TO BE DEPRESS BARRIER CURB
4. REVISED DUMPSTER ENCLOSURE AREA TO INCLUDE MASONRY ENCLOSURE WITH GATE, REVISED CURB ALONG ENCLOSURE.
5. REVISED MECHANICAL YARD ENCLOSURE.

AD-2 REVISIONS:
1. ADDED CALLOUT ON PROPOSED SIDEWALK REFERRING TO SHEET A-111 FOR DETAILED CONSTRUCTION NOTES NORTH OF SHOWN MATCH LINE.
2. ADDED FLAG POLE FOUNDATION DETAIL.
3. ADDED FLAG POLE CALLOUTS TO PLAN SHEET.
4. ADDED NOTE 13.

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PROJECT
NEW ADMINISTRATION CENTER, ALTERNATIVE EDUCATION & RESOURCE CENTER, AND RELATED WORK

CROWN POINT COMMUNITY SCHOOL CORPORATION
CROWN POINT, INDIANA

PROJECT
21-115
DATE
04/15/22
COORDINATED BY
MLM
DRAWN BY
MLM / SB
CHECKED BY
MLM

MATTHEW L. MINALIK REGISTERED NO.11500308 STATE OF INDIANA PROFESSIONAL ENGINEER
4/15/22

REVISIONS

MARK	DATE	ISSUED FOR
AD-1	04/28/22	ADDENDUM 1
AD-2	05/05/22	ADDENDUM 2

DRAWING
PROPOSED SITE PLAN

PROJECT
NEW ADMINISTRATION CENTER, ALTERNATIVE EDUCATION & RESOURCE CENTER, AND RELATED WORK

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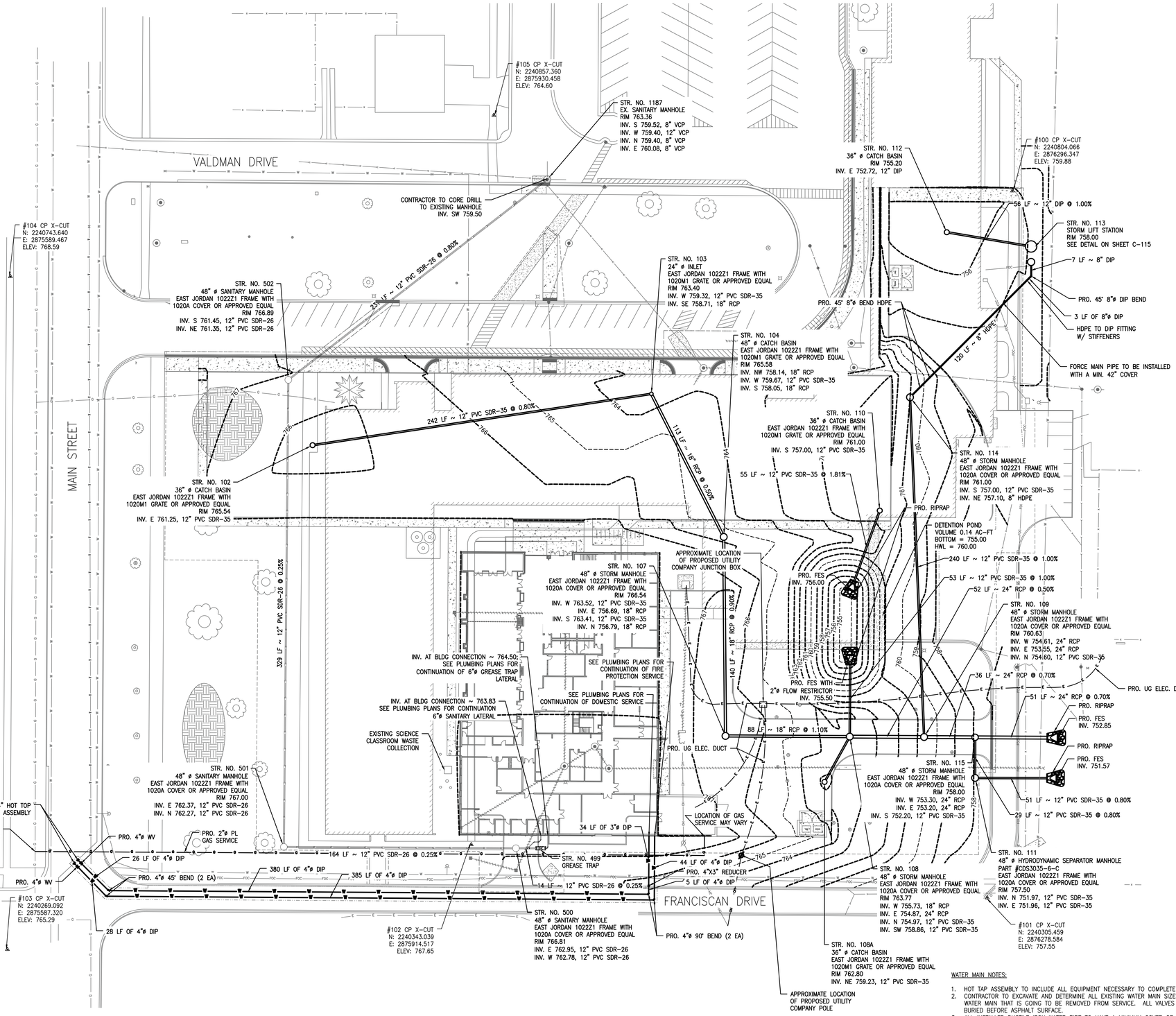
SHEET
AD C-105



LEGEND

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

AD-2 REVISIONS:
1. ADDED NOTE 13.

UTILITY NOTES:

1. CONTRACTOR TO FIELD VERIFY PIPE ELEVATIONS AND SIZES.
2. CONTRACTOR TO RAISE OR LOWER MANHOLE COVERS/FRAMES AS REQ'D TO MEET NEW ELEVATIONS ASSOCIATED W/ ROAD RECONSTRUCTIONS.
3. PRECAUTIONARY MEASURES TO BE TAKEN TO DE-WATER THE SITE AS NEEDED; NO PIPE IS TO BE PLACED IN STANDING WATER.
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 PIPE OPENINGS SHALL NOT BE SEALED WITH BRICK AND MORTAR.
5. CONTRACTOR TO INSTALL BOOT AT ALL DOWNSPOUT LOCATIONS. SEE PLUMBING PLANS FOR DOWNSPOUT STORM CONNECTION DETAIL.
6. ALL PROPOSED DOWNSPOUT LATERALS SHALL BE 6"ø PVC SDR-35 AND CONNECT TO THE PROPOSED STORM PIPE BY 12"X6" WYE OR APPROVED EQUAL.

WATER MAIN NOTES:

1. HOT TAP ASSEMBLY TO INCLUDE ALL EQUIPMENT NECESSARY TO COMPLETE HOT TAP INCLUDING VALVE.
2. CONTRACTOR TO EXCAVATE AND DETERMINE ALL EXISTING WATER MAIN SIZES AND INTERCONNECTS PRIOR TO CUTTING AND CAPPING THE WATER MAIN THAT IS GOING TO BE REMOVED FROM SERVICE. ALL VALVES REMOVED FROM SERVICE SHALL BE TURNED CLOSED AND BURIED BEFORE ASPHALT SURFACE.
3. ALL INSTALLED DUCTILE IRON WATER PIPE TO HAVE A MINIMUM COVER OF 5' DEPTH ALONG THE ENTIRE LENGTH OF THE PROJECT.
4. FOR DUCTILE IRON PIPE INSTALLATION: THICKNESS 52 FOR TYPICAL DISTRIBUTION MAINS 12" NOMINAL SIZE AND SMALLER. WHEN RESTRAINT OF PIPE-TO-PIPE JOINTS ARE REQUIRED, PUSH-ON RESTRAINING GASKETS WITH INTEGRAL STAINLESS STEEL LOCKING SEGMENTS ARE PERMITTED ON PIPE-TO-PIPE CONNECTIONS 12" NOMINAL SIZE AND SMALLER.
5. ALL WATER MAIN FITTINGS SHALL BE DUCTILE IRON MECHANICAL JOINT COMPACT FITTINGS PER AWWA C153. ALL WATER MAIN VALVES SHALL BE MECHANICAL JOINT RESILIENT WEDE GATE VALVES PER AWWA C515.
6. POLYETHYLENE ENCASEMENT SHALL BE PROVIDED FOR ALL DUCTILE IRON WATER PIPE ALONG THE ENTIRE LENGTH OF THE PROJECT. CONTRACTOR SHALL USE 8 MILL POLYETHYLENE ENCASEMENT AND SHALL INSTALL ENCASEMENT PER ANSI/AWWA C105/A21.5 SPECIFICATION
7. ALL MJ T-BOLTS AND FLANGE BOLTS SHALL HAVE XYLAN OR FLUOROKOTE #1 CORROSION RESISTANT COATING.
8. THRUST RESTRAINT TO BE ACHIEVED THROUGH RESTRAINT OF PIPE JOINTS AND FITTINGS. THRUST BLOCKS ARE NOT AN ACCEPTABLE MEANS OF THRUST RESTRAINT, EXCEPT WHEN REQUIRED IN CONNECTING EXISTING WATER MAIN AND FOR INSTALLATION OF FIRE HYDRANTS. SEE THE RESTRAINED PIPE LENGTH TABLE ON DETAILS SHEET C-109 FOR PIPE JOINT RESTRAINT REQUIREMENTS FOR DUCTILE IRON PIPE.
9. COPPER-CLAD STEEL TRACER WIRE REQUIRED ON INSTALLATION OF ALL PIPE. TRACER WIRE SHALL BE TAPED TO PIPE OR POLYETHYLENE ENCASEMENT AT A MINIMUM SPACING OF 10-FEET. SPLICES SHALL BE ENCASED IN WATERPROOF CONNECTORS. WIRE AND CONNECTORS ARE TO BE COMPATIBLE AND FROM THE SAME MANUFACTURER. DETECTABLE TAPE IS REQUIRED ONE FOOT ABOVE ABOVE PIPE. CONTINUITY SHALL BE TESTED AFTER COMPLETION OF BACKFILL.
10. WATER MAIN ISOLATION BY MEANS OF VALVE CLOSURE SHALL BE COORDINATED WITH THE CROWN POINT PUBLIC WORKS DEPARTMENT.
11. FIRE AND DOMESTIC WATER SERVICES SHALL BE INSTALLED WITH A CENTER TO CENTER SEPARATION OF 4' MIN., 4 ½' MAX.
12. MAINTAIN THE REQUIRED MINIMUM 10-FEET OF HORIZONTAL SEPARATION AND 18" OF VERTICAL SEPARATION FROM SANITARY AND STORM SEWERS. MAINTAIN 8-FEET OF HORIZONTAL SEPARATION FROM SANITARY AND STORM STRUCTURES. SEE 327 IAC 8-3.2-9 OF THE INDIANA ADMINISTRATIVE CODE FOR MORE INFORMATION.

AD-2
13. SEE SHEET E-003 FOR PROPOSED ELECTRICAL SERVICE WIRING INFORMATION.

GIBRALTAR DESIGN
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PROJECT
NEW ADMINISTRATION CENTER, ALTERNATIVE EDUCATION & RESOURCE CENTER, AND RELATED WORK

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PROJECT 21-115
DATE 04/15/22
COORDINATED BY MLM
DRAWN BY MLM / SB
CHECKED BY MLM

MATTHEW L. MINNICK REGISTERED NO.11500308 STATE OF INDIANA PROFESSIONAL ENGINEER
4/15/22

REVISIONS

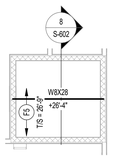
MARK	DATE	ISSUED FOR
AD-2	05/05/22	ISSUED FOR ADDENDUM 2

DRAWING
PROPOSED UTILITIES PLAN

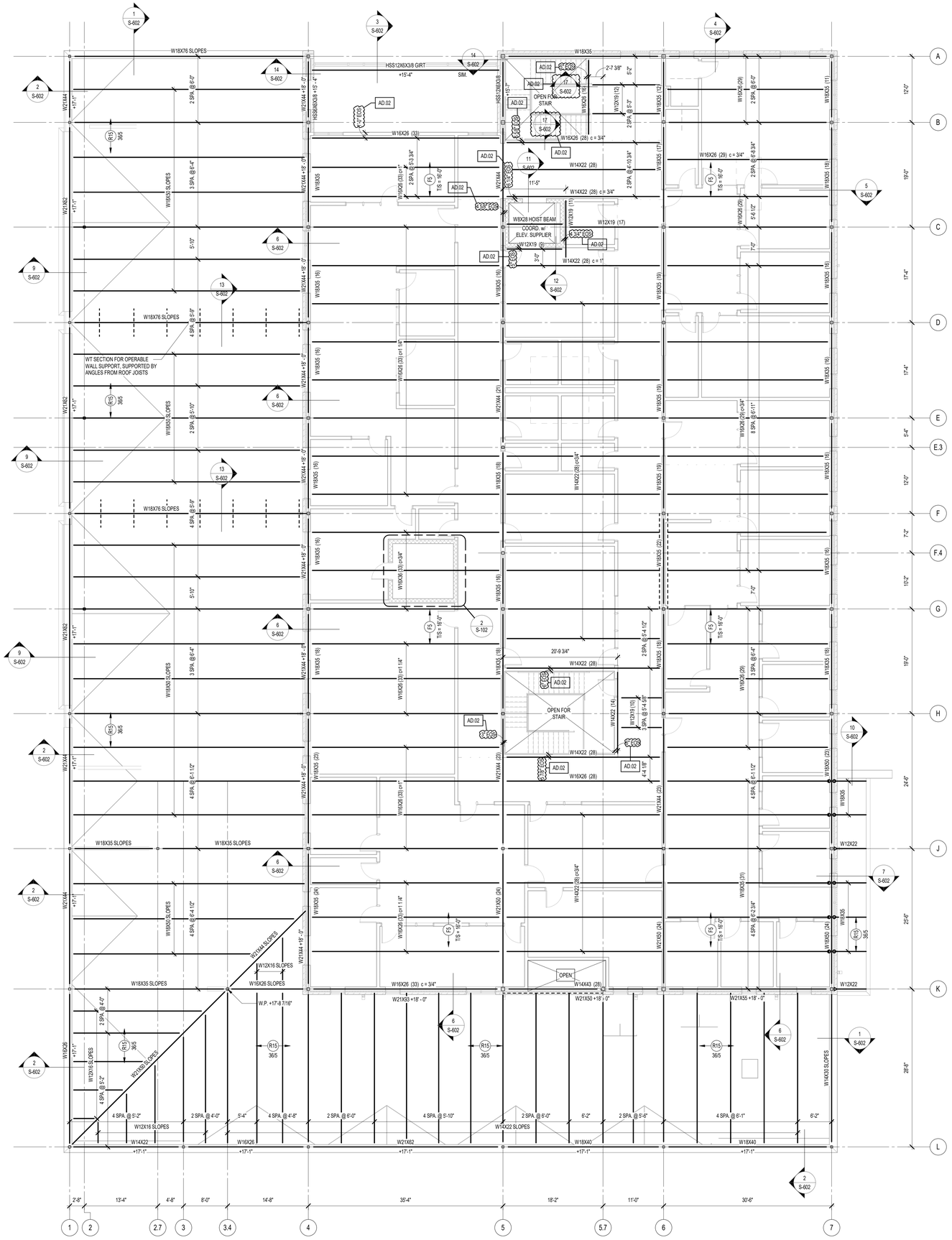
PROJECT
NEW ADMINISTRATION CENTER.
ALTERNATIVE EDUCATION & RESOURCE CENTER, AND RELATED WORK

SHEET
AD C-109

Wednesday, 5/4/2022 - 8:52 AM - LAST SAVED BY:MMINNICK
X:\PROJECTS\GIBRALTAR\22-507 TAFT\DWGS\2022 0502_TAFT MIDDLE SCHOOL_REV_02.DWG



2 SAFE CAP PLAN
1/8" = 1'-0"



1 SECOND FLOOR AND LOW ROOF FRAMING PLAN
NOTE: T/STEEL = +15'-7" U.N.O.

FRAMING PLAN NOTES

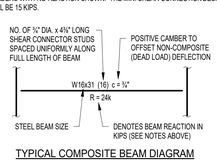
1. REF. S-001 FOR STRUCTURAL NOTES, DESIGN DATA, SCHEDULES & LEGENDS.
2. REF. THE S-400 SERIES FOR TYPICAL FRAMING AND MASONRY DETAILS.
3. ALL CONTRACTORS ARE REQUIRED TO COORDINATE THEIR WORK WITH ALL DISCIPLINES TO AVOID CONFLICTS. THE MECHANICAL, ELECTRICAL, AND PLUMBING ASPECTS ARE NOT IN THE SCOPE OF THESE DRAWINGS. THEREFORE, ALL REQUIRED MATERIALS AND WORK MAY NOT BE INDICATED.
4. ALL ELEVATIONS ARE REFERENCED FROM THE FIRST FLOOR FIN. FLOOR ELEVATION +0'-0". COORD. USGS ELEVATION WITH CIVIL DWGS.
5. SEE FOUNDATION PLANS FOR SIZES OF STEEL COLUMNS SUPPORTED ON FOUNDATIONS.
6. REF. S-601 FOR TYPICAL CONNECTION & FRAMING DETAILS.
7. REF. S-501 FOR TYPICAL MASONRY DETAILS
8. INSTALL CONTINUOUS BENT PLATE/ANGLE POUR STOPS AT ALL ELEVATED SLAB-ON-DECK PERIMETER EDGES AND AROUND ALL INTERIOR FLOOR OPENINGS (BOTH SHOWN AND NOT SHOWN). SEE TYPICAL DETAILS ON S-601.
9. INSTALL CONTINUOUS ANGLES AT ALL PERIMETER ROOF EDGES. SEE DETAIL S-601 FOR ATTACHEMENT TO BEAM AND FOR ALL CONDITIONS NO SPECIFICALLY DEFINED IN FRAMING SECTIONS.
10. INSTALL CONTINUOUS CONCRETE CURBS PER TYP. DETAIL S ON S-601 AROUND THE PERIMETER OF ALL MECHANICAL ROOMS AND AROUND FLOOR PENETRATIOSN BOTH SHOWN AND NOW SHOWN INCLUDING STEEL COLUMN PENETRATIONS.
11. ALL WALLS SHALL BE LAID OUT FROM THE ARCHITECTURAL DRAWINGS.
12. REF. ARCH. DRAWINGS. FOR ALL DIMENSIONS NOT SHOWN. CONTRACTOR SHALL VERIFY ALL DIMENSIONS PRIOR TO CONSTRUCTION AND IMMEDIATELY NOTIFY ARCHITECT/ENGINEER OF ANY DISCREPANCIES.
13. COORDINATE EXACT SIZE & LOCATION OF ANY MECHANICAL OPENINGS IN FLOOR SLAB, ROOF DECK, OR WALLS WITH THE MEP CONTRACTOR(S). LOCATION & SIZE OF ALL DUCT OPENINGS, GRILLES, ETC. SHALL BE VERIFIED PRIOR TO CONSTRUCTION.
14. ALL ELEVATIONS SHOWN ON PLAN INDICATE TOP OF STEEL BEAM UNLESS NOTED OTHERWISE.
15. PROVIDE CHANNEL FRAMES AT ALL SUPPORTED SLAB OPENINGS PER TYPICAL DETAIL ON S-601. COORDINATE EXACT NUMBER, LOCATIONS & DIMENSIONS WITH THE APPROPRIATE CONTRACTORS & THE ARCH. & MEP DRAWINGS.
16. PROVIDE FRAMES AT ALL ROOF DRAINS, ROOF HATCHES & OTHER ROOF OPENINGS PER TYPICAL DETAILS ON S-601. COORD. EXACT NUMBER, LOCATIONS & DIMENSIONS WITH THE APPROPRIATE CONTRACTORS & THE ARCH. & MEP DWGS.
17. PROVIDE CMU REINFORCING AS NOTED ON PLANS. IF NOT SHOWN ON PLANS OR DETAILS, MINIMUM CMU WALL REINFORCING TO BE #5 VERTS @ 48" O.C. PROVIDE OPEN-CORE BOND BEAMS AT TOPS OF WALLS, AT CHANGES IN CMU THICKNESS, AND WHERE INDICATED ON PLANS & SECTIONS (10'-0" O.C. MAX VERTICAL SPACING). PROVIDE 12 OF INTERRUPTED VERTICALS AT JAMBS OF OPENINGS AND PROVIDE ADDITIONAL VERTS. AT ENDS OF WALLS.
18. ALL MASONRY BOND BEAMS, OTHER THAN BOND BEAM LINTELS OVER OPENINGS, SHALL BE "OPEN-CORE" BOND BEAMS TO ALLOW VERTICAL REINFORCING TO PASS THROUGH, UNLESS NOTED OTHERWISE.
19. REF. ARCH. DWGS. FOR MASONRY CONTROL & EXPANSION JOINT LOCATIONS.
20. ALL HORIZONTAL AND DIAGONAL BRIDGING FOR STEEL JOISTS SHALL BE DESIGNED, LOCATED & PROVIDED BY THE JOIST SUPPLIER PER SJI SPECIFICATIONS.
21. FOR ESTIMATING AND BIDDING PURPOSES ONLY, ASSUME AN ADDITIONAL 1/2" THICKNESS OF CONCRETE WILL BE NECESSARY FOR ALL ELEVATED SLABS ON METAL DECK. THE INTENT OF THIS REQUIREMENT IS TO ACCOUNT FOR ANTICIPATED DEAD LOAD DEFLECTIONS IN THE SUPPORTING STRUCTURE. THE FINISHED SLAB SHALL MEET THE FLATNESS REQUIREMENTS DEFINED IN THE SPECIFICATION.
22. PLAN LEGEND:

F.F.	DENOTES FIN. FLOOR
T/'X'	DENOTES TOP OF STEEL, SLAB, ETC.
B/'X'	DENOTES BOTTOM OF LINTEL, ETC.
F5 T/S = 16'-0"	DENOTES 1½", 20 GA. GALVANIZED G60 COMPOSITE DECK w/ 3½" NW CONC SLAB w/ 6x6-W2.1xW2.1 WWF, TOTAL 'Y = 5" & ES SYSTEM BY SPECIFICATION PRODUCTS, INC. CONSISTING OF: ES INTERNAL CURE ADMIXTURE @ 4 OZ/CWT & E5 CATALYST SPRAYED ONE BETWEEN 800-1,000 SF/GAL. REF. DETAIL ON S-601.
R15 36/5	DENOTES 1½", 20 GA. PRIME-PAINTED WIDE RIB STEEL ROOF DECK. REF. DETAIL ON /S-601. XX/X INDICATED FASTENING PATTERN
	DENOTES BEAM-TO-COLUMN MOMENT CONNECTION. REF. DETAILS ON S-602.
	DENOTES BEAM-THRU-BEAM MOMENT CONNECTION. REF. DETAILS ON S-602.
	DENOTES BRACED FRAME OR KICKER LOCATION
	DENOTES APPROX. LOCATION OF OPENING IN DECK/SLAB. REF. DETAILS ON S-601 FOR TYPICAL OPENING FRAMES. FOR MULTIPLE CLOSELY SPACED OPENINGS, TREAT AS ONE LARGE OPENING.

23. WIDE-FLANGE BEAM & GIRDER NOTATION:

BEAM REACTIONS SHOWN IN KIPS TO BE USED FOR DESIGN OF SHEAR CONNECTION BY STEEL FABRICATOR'S SSE (ALLOWABLE STRESS DESIGN / LOADS UNFACTORED).

REF. THE STEEL CONNECTION NOTES ON S001 FOR DESIGN OF CONNECTIONS AT BEAMS & GIRDERS WITH NO REACTION SHOWN. THE MIN. SHEAR CONNECTION DESIGN LOAD SHALL BE 15 KIPS.



TYPICAL COMPOSITE BEAM DIAGRAM

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LHB Lynch, Hendricks & Buckingham, Inc.

PROJECT:

NEW ADMINISTRATION CENTER, ALTERNATIVE EDUCATION & RESOURCE CENTER, AND RELATED WORK

CROWN POINT COMMUNITY SCHOOL CORPORATION
CROWN POINT, INDIANA

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PROJECT
21-115
DATE
04/15/22
COORDINATED BY
DJL
DRAWN BY
DJL
CHECKED BY
SAC

SCOTT A. CLORE REGISTERED PE10606154 STATE OF INDIANA PROFESSIONAL ENGINEER

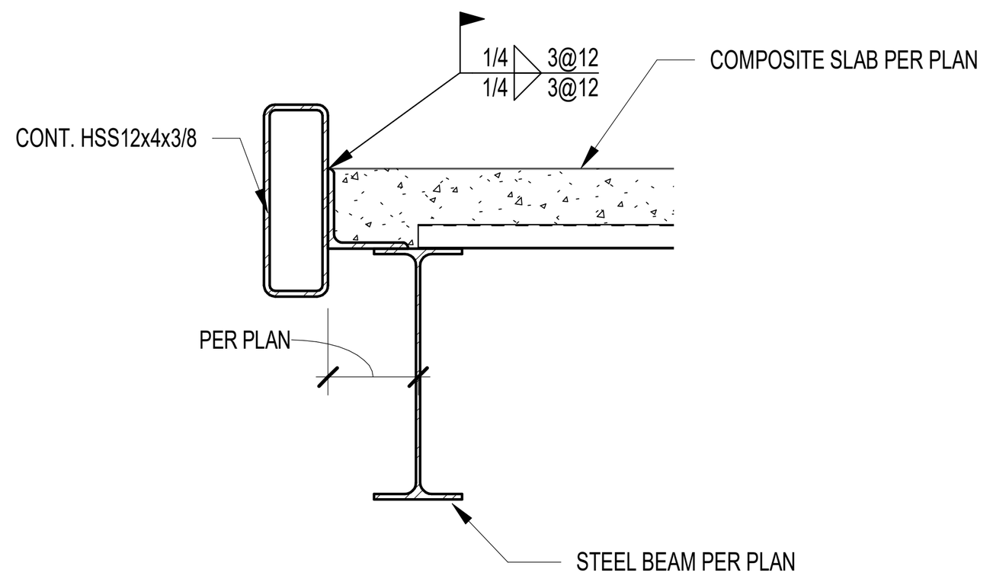
REVISIONS

MARK	DATE	ISSUED FOR
1	5/5/22	ADDENDUM 2

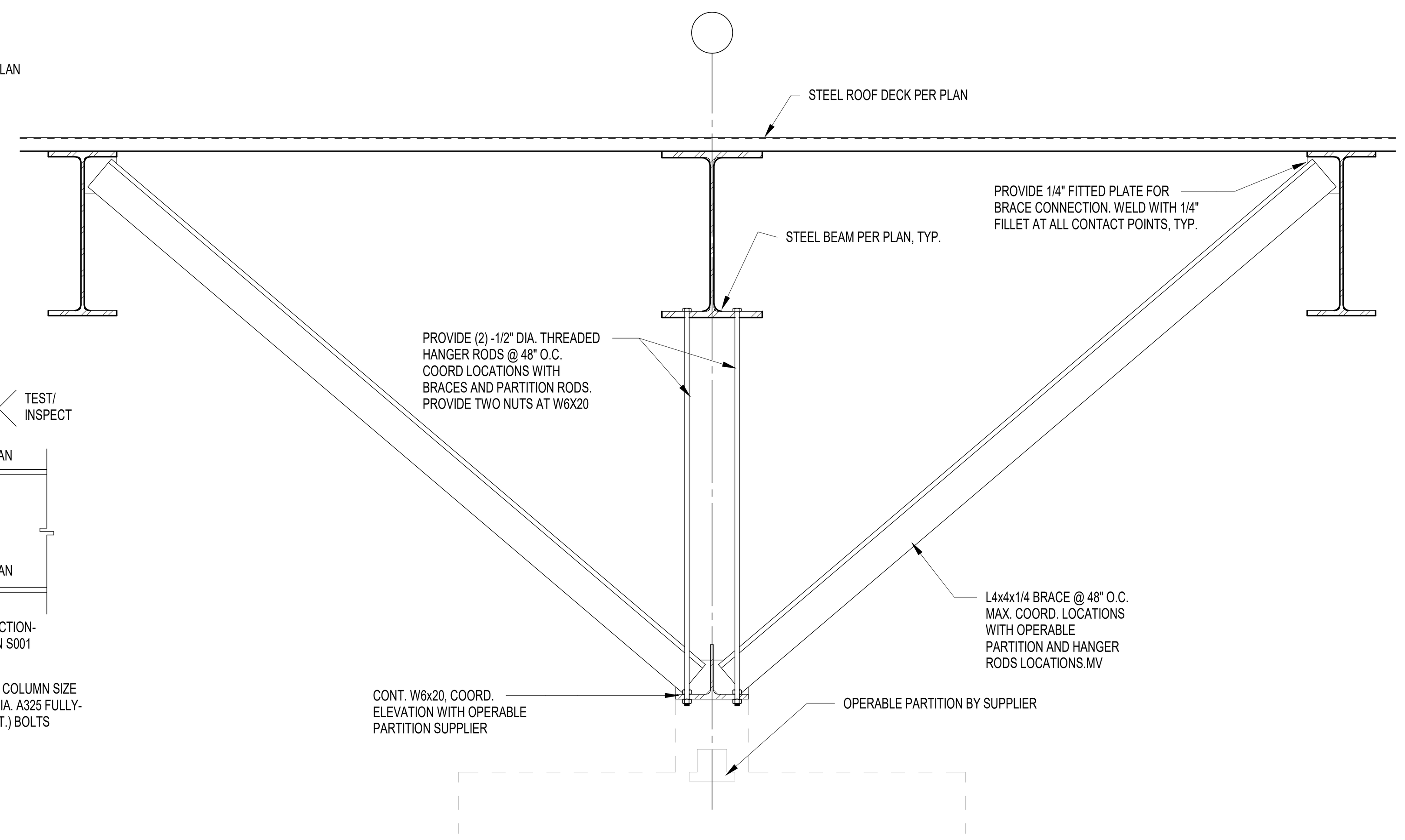
DRAWING
2ND FLOOR AND LOW ROOF FRAMING PLAN

PROJECT
NEW ADMINISTRATION CENTER, ALTERNATIVE EDUCATION & RESOURCE CENTER, AND RELATED WORK

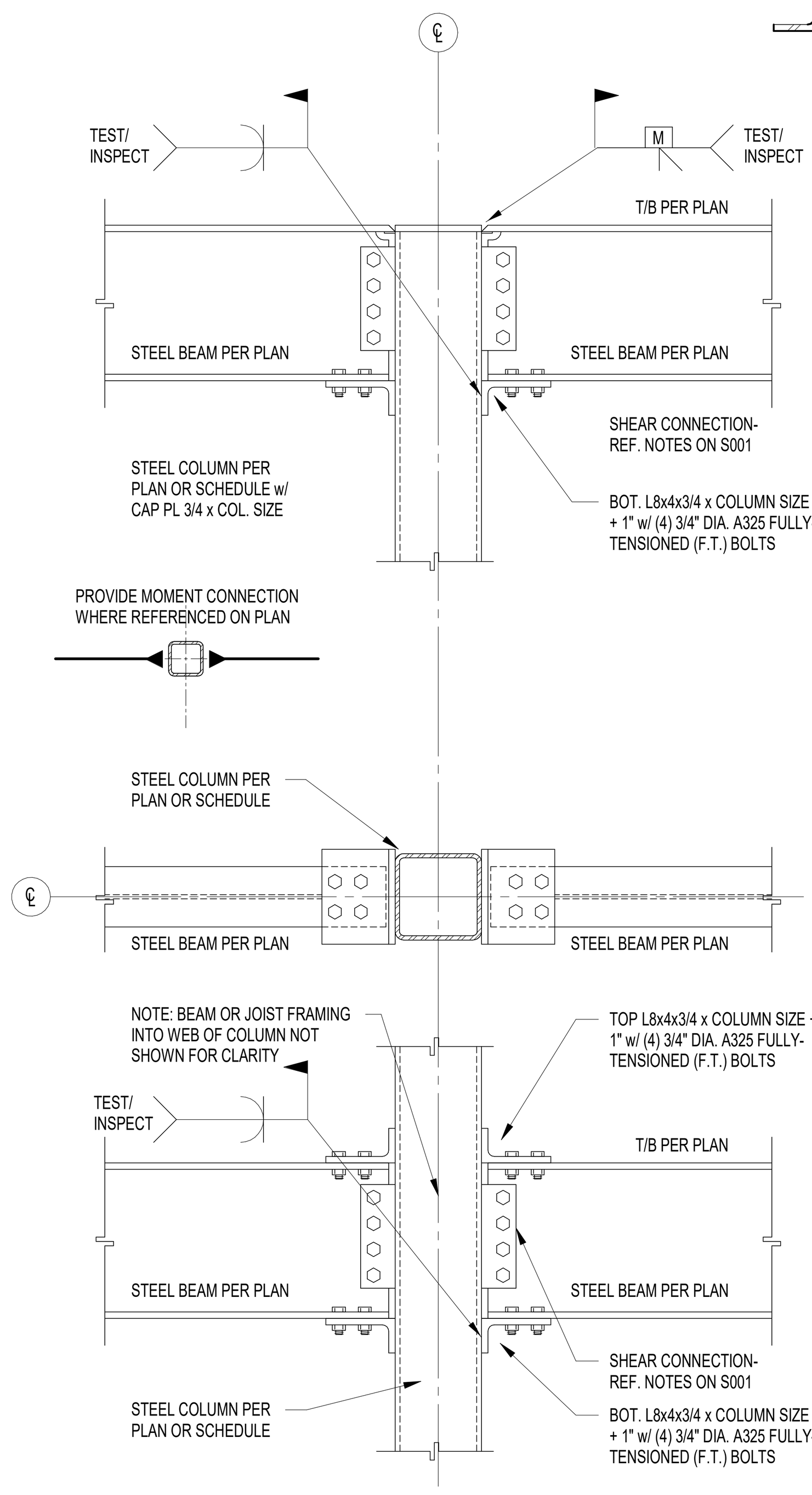
SHEET
AD
S-102



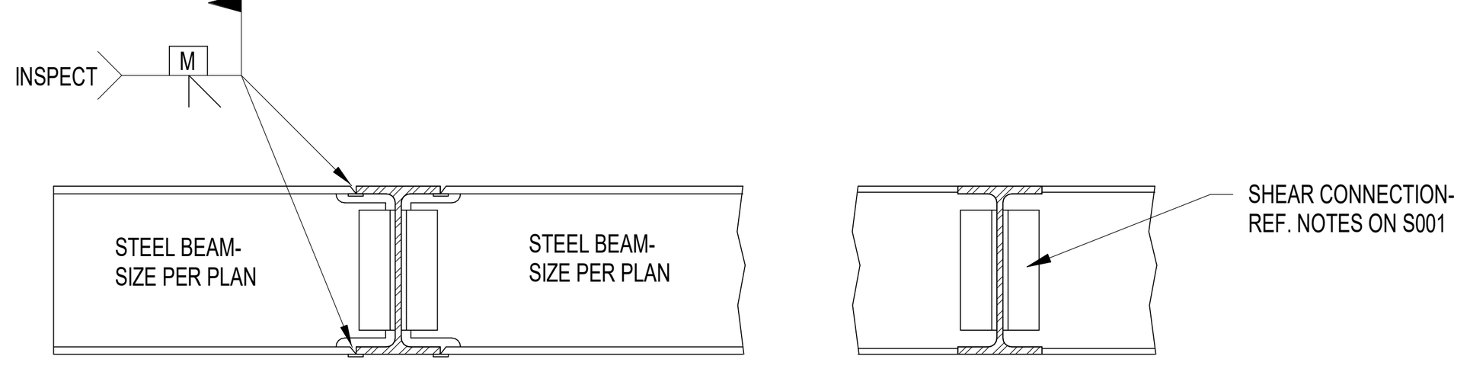
AD.02
17 FRAMING SECTION
1" = 1'-0"



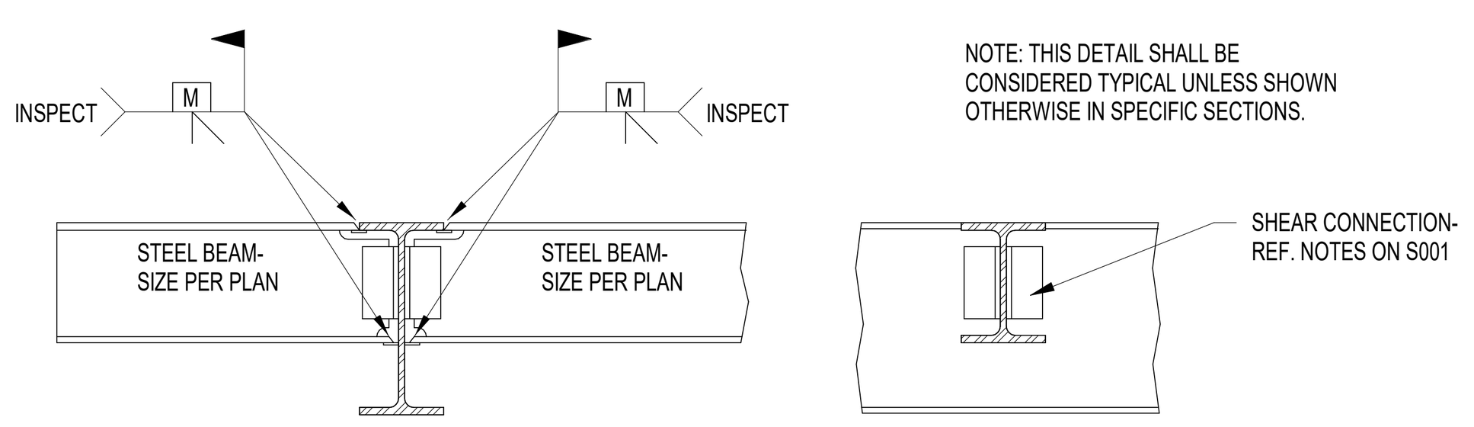
13 FRAMING SECTION
1" = 1'-0"



16 BEAM TO COLUMN MOMENT CONNECITON
3/4" = 1'-0"

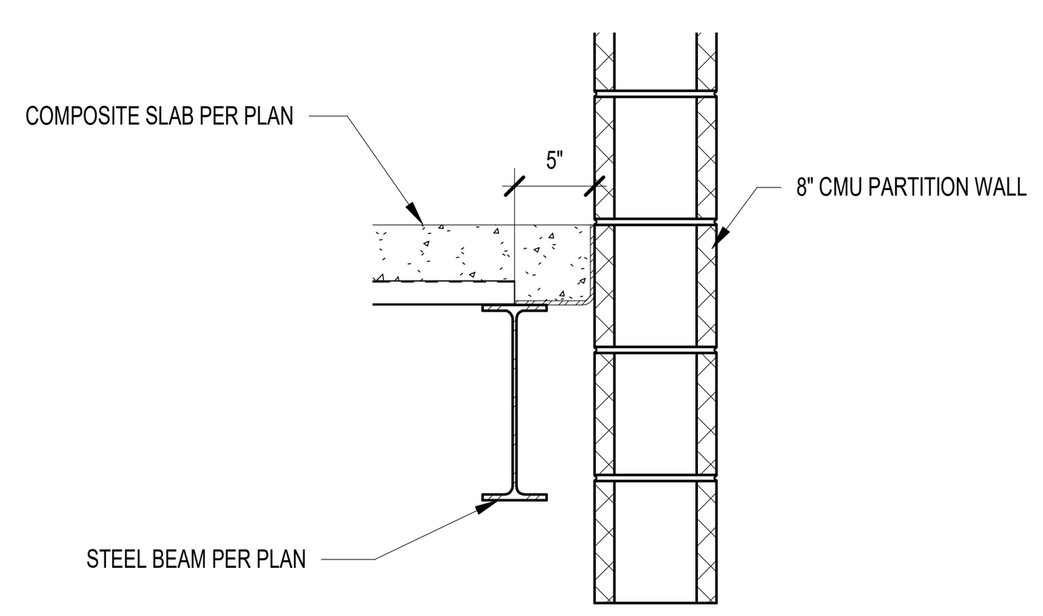


DETAIL A - BEAMS NOMINALLY SAME DEPTH

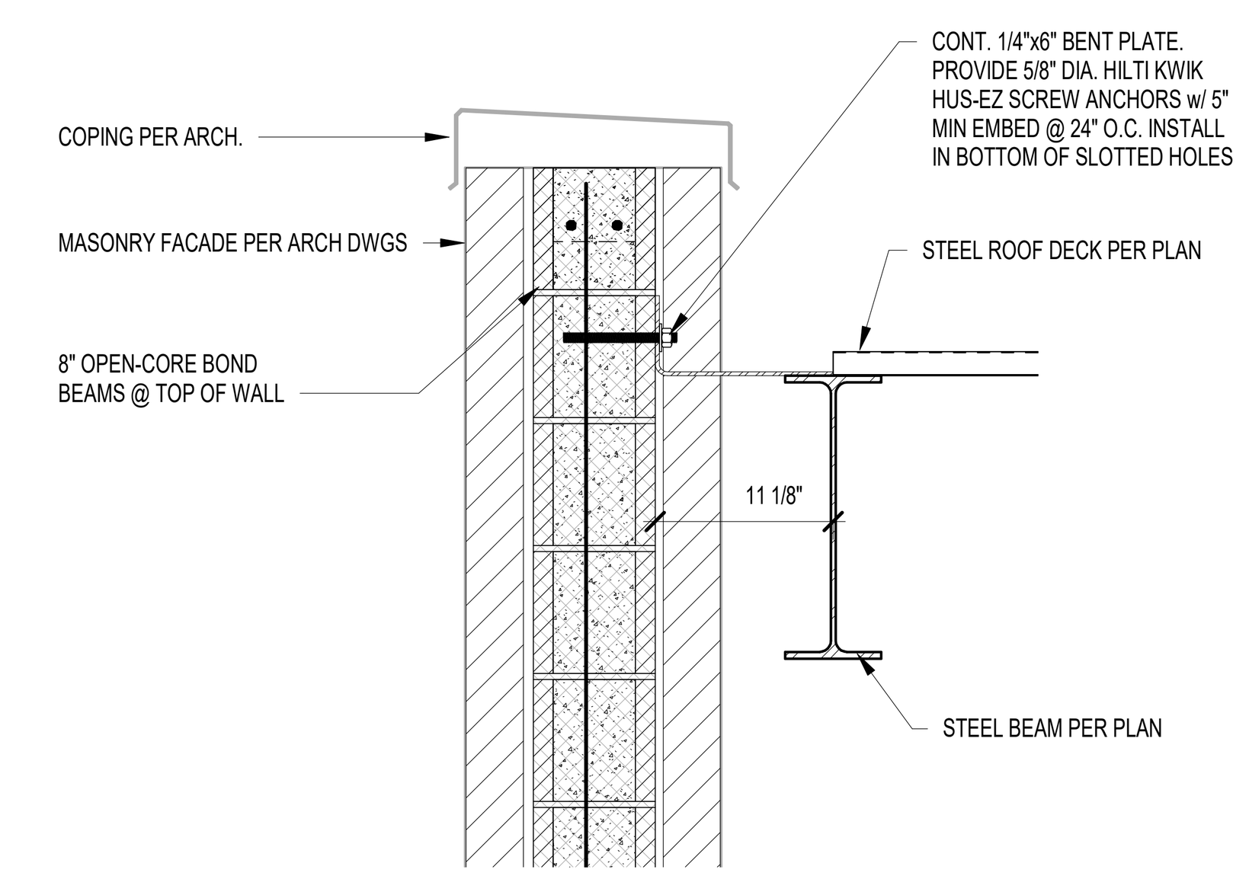


DETAIL B - DEPTH DIFFERENTIAL 2" OR GREATER

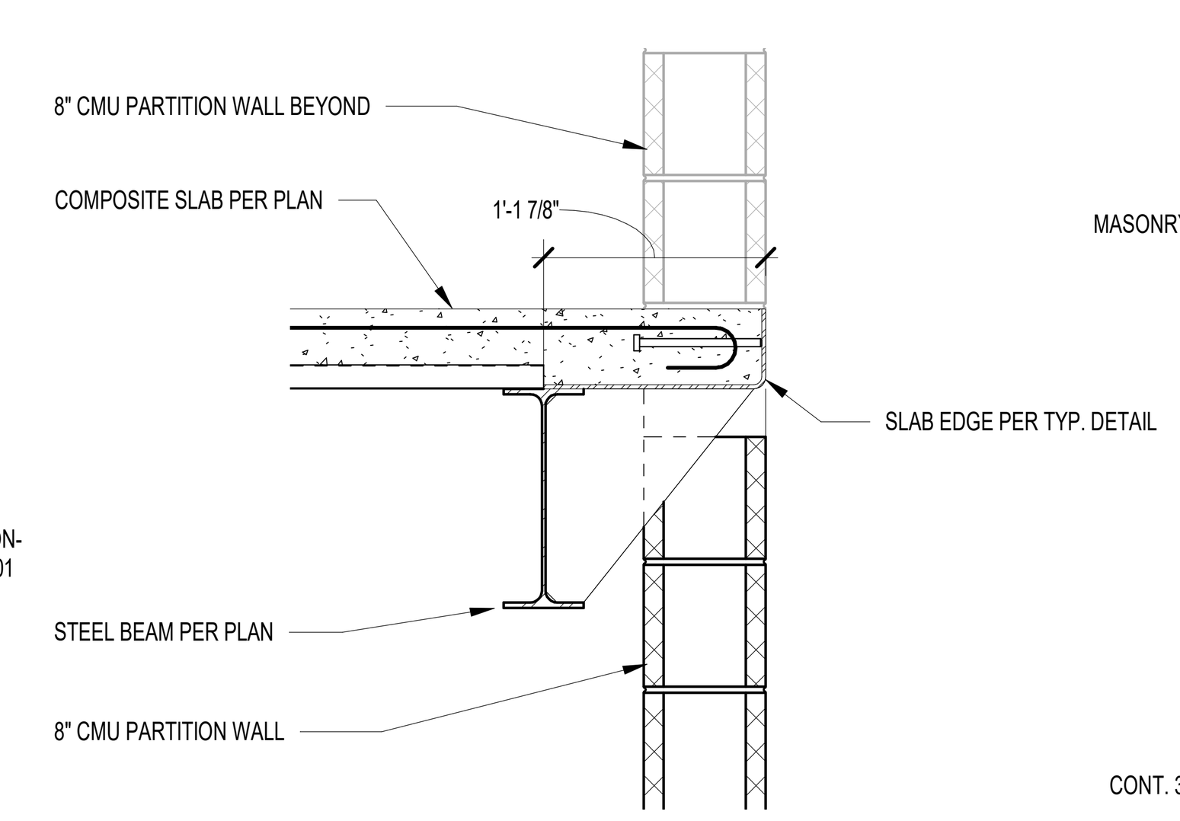
15 BEAM THRU MOMENT CONNECTION
3/4" = 1'-0"



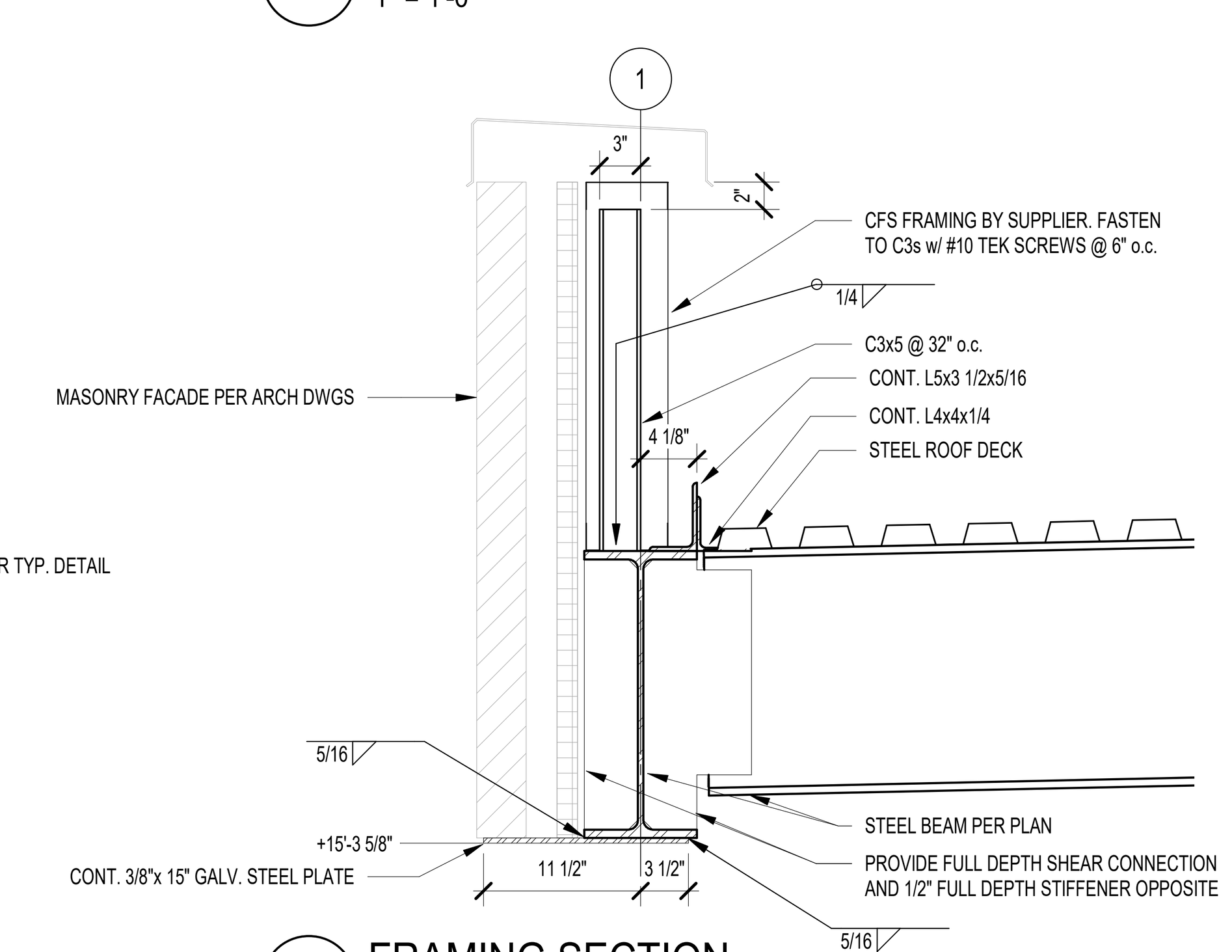
12 FRAMING SECTION
1" = 1'-0"



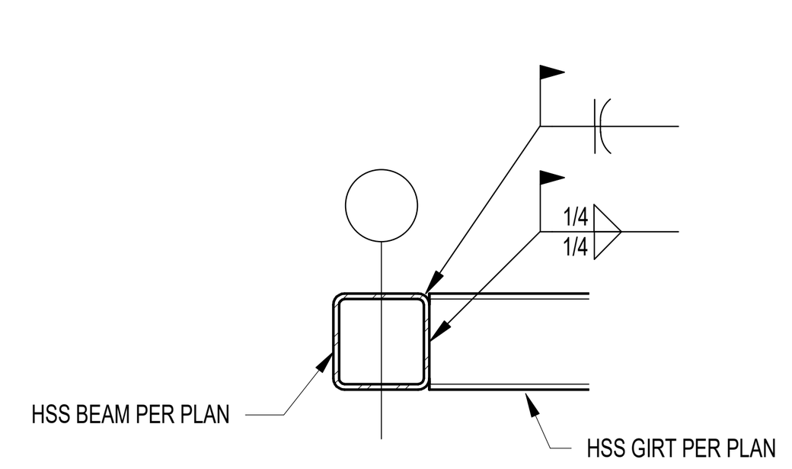
10 FRAMING SECTION
1" = 1'-0"



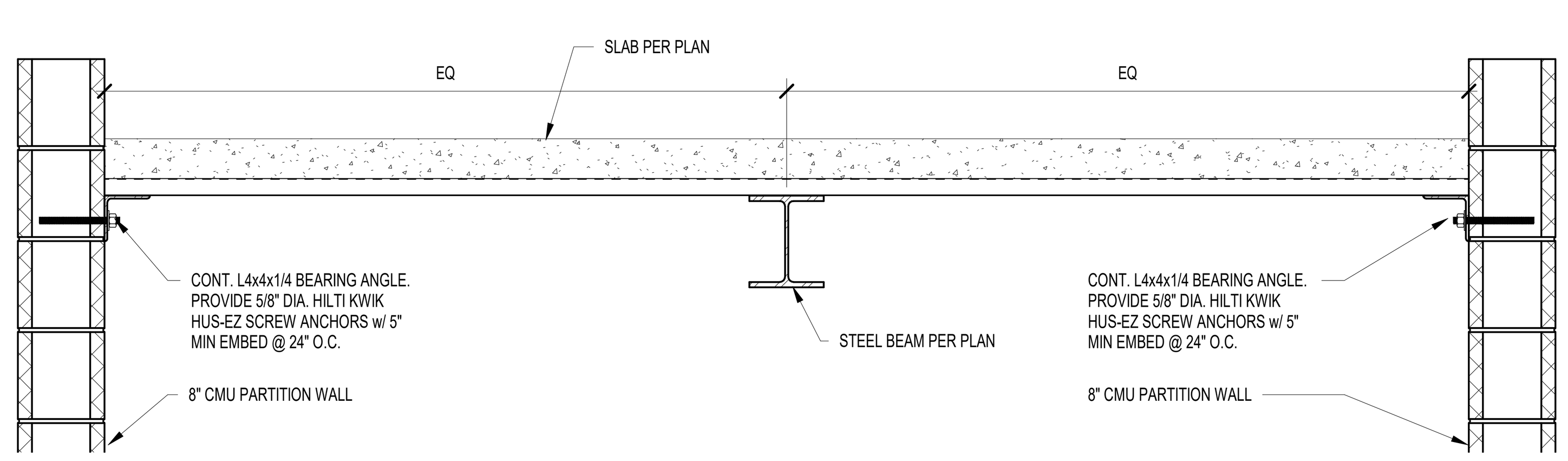
11 FRAMING SECTION
1" = 1'-0"



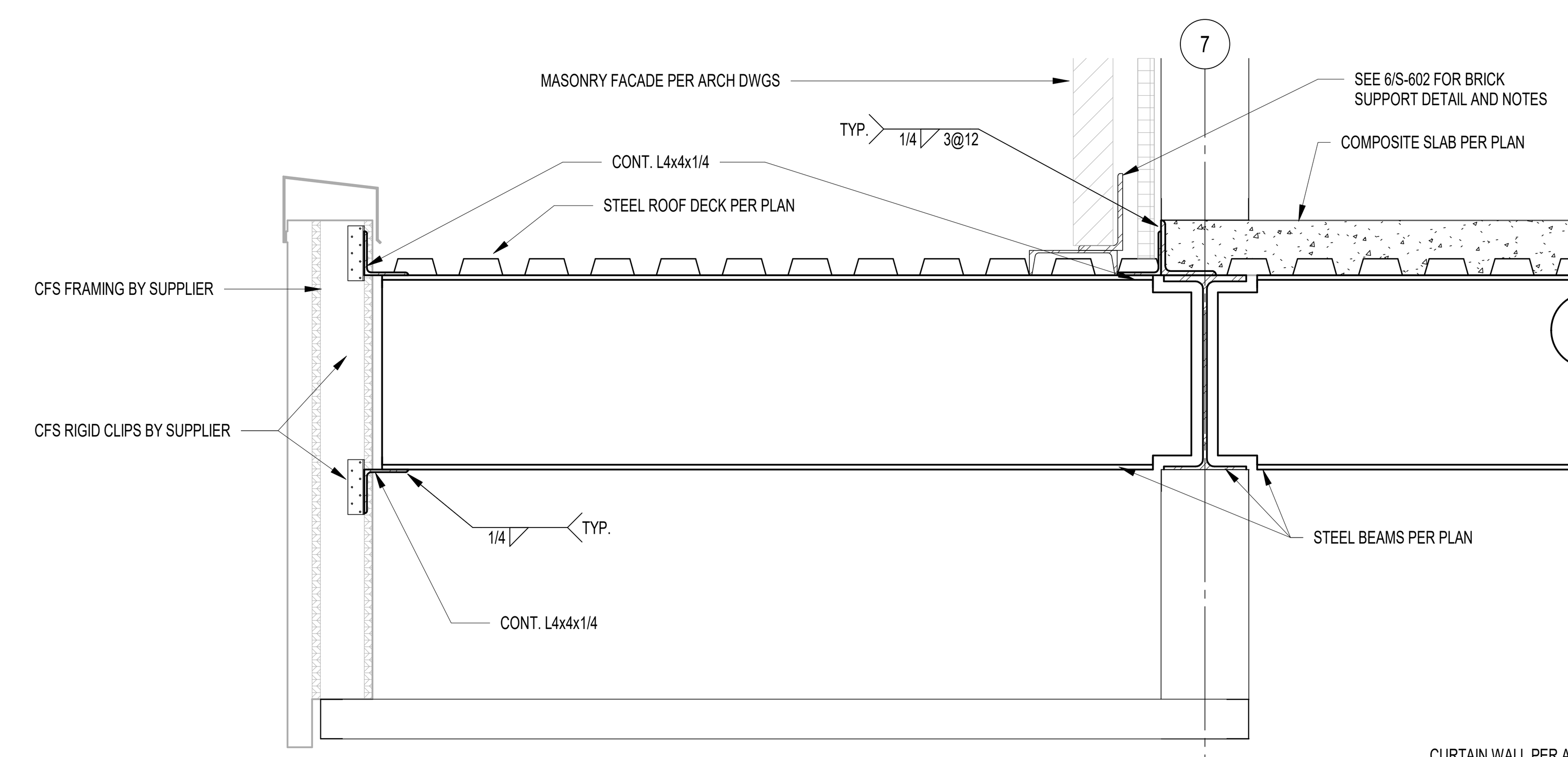
9 FRAMING SECTION
1" = 1'-0"



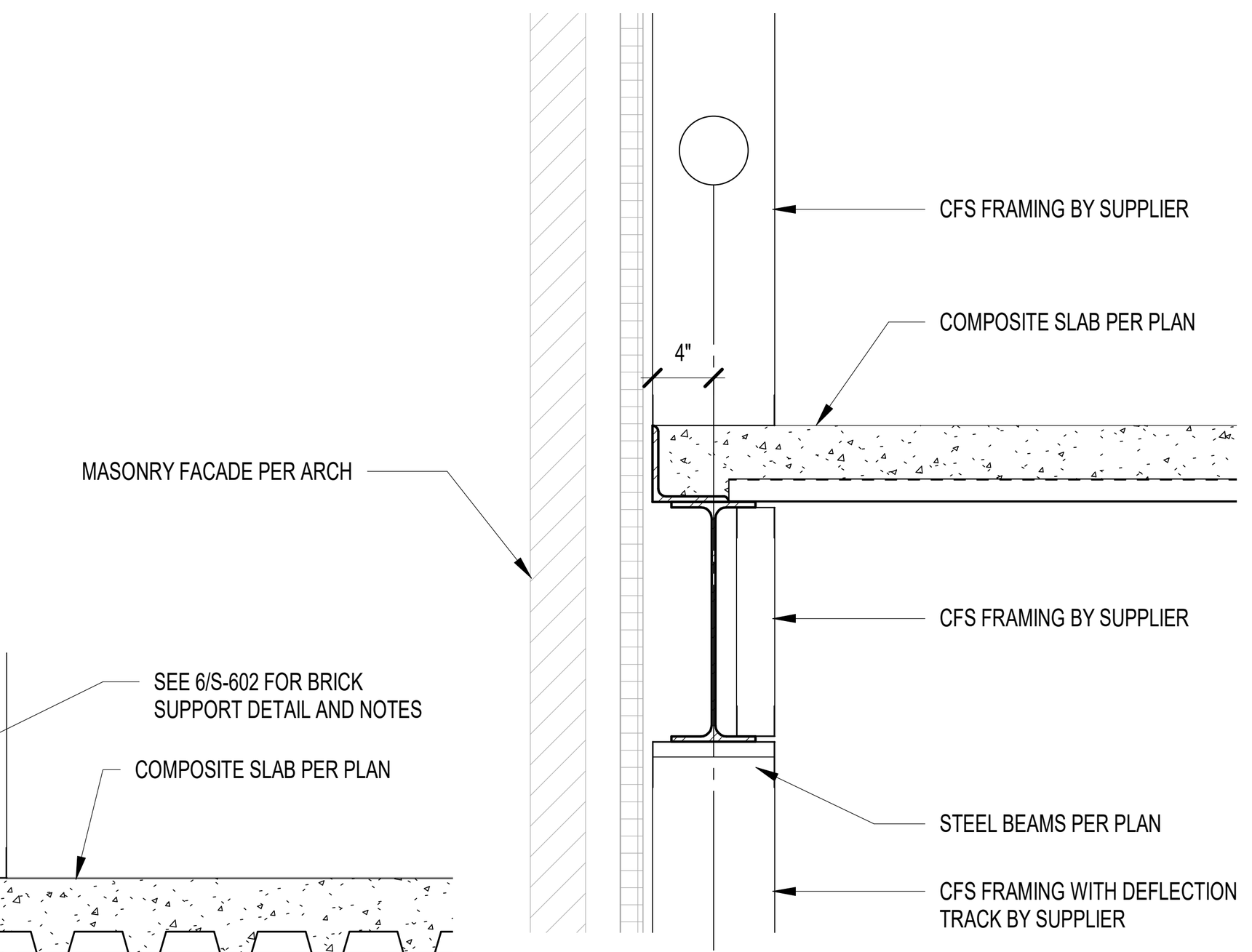
14 FRAMING SECTION
1" = 1'-0"



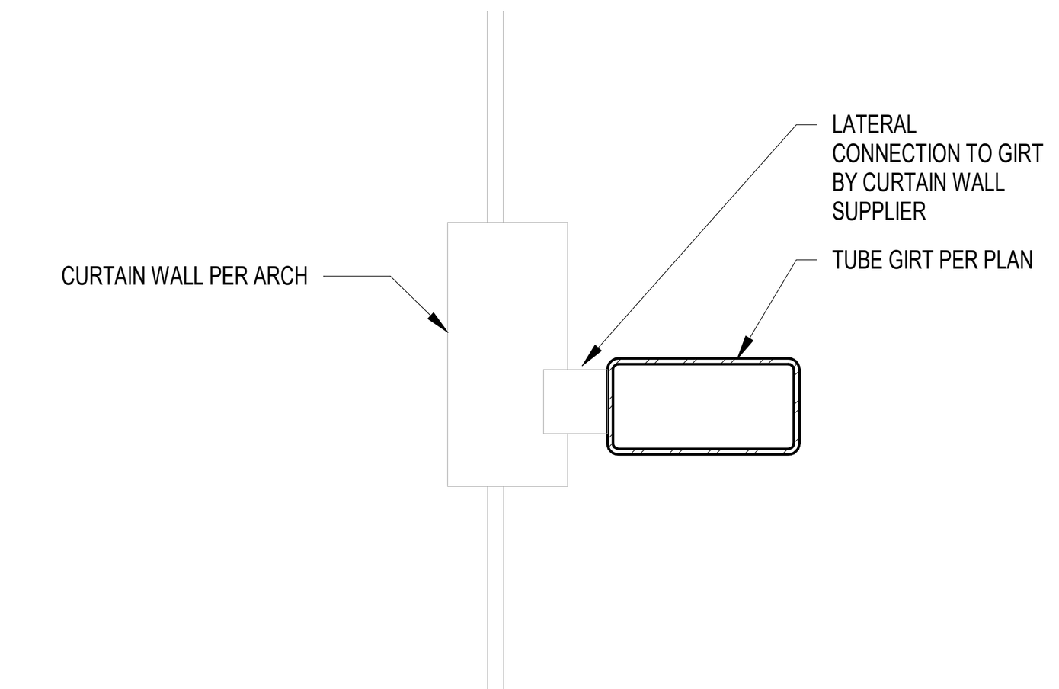
8 FRAMING SECTION
1" = 1'-0"



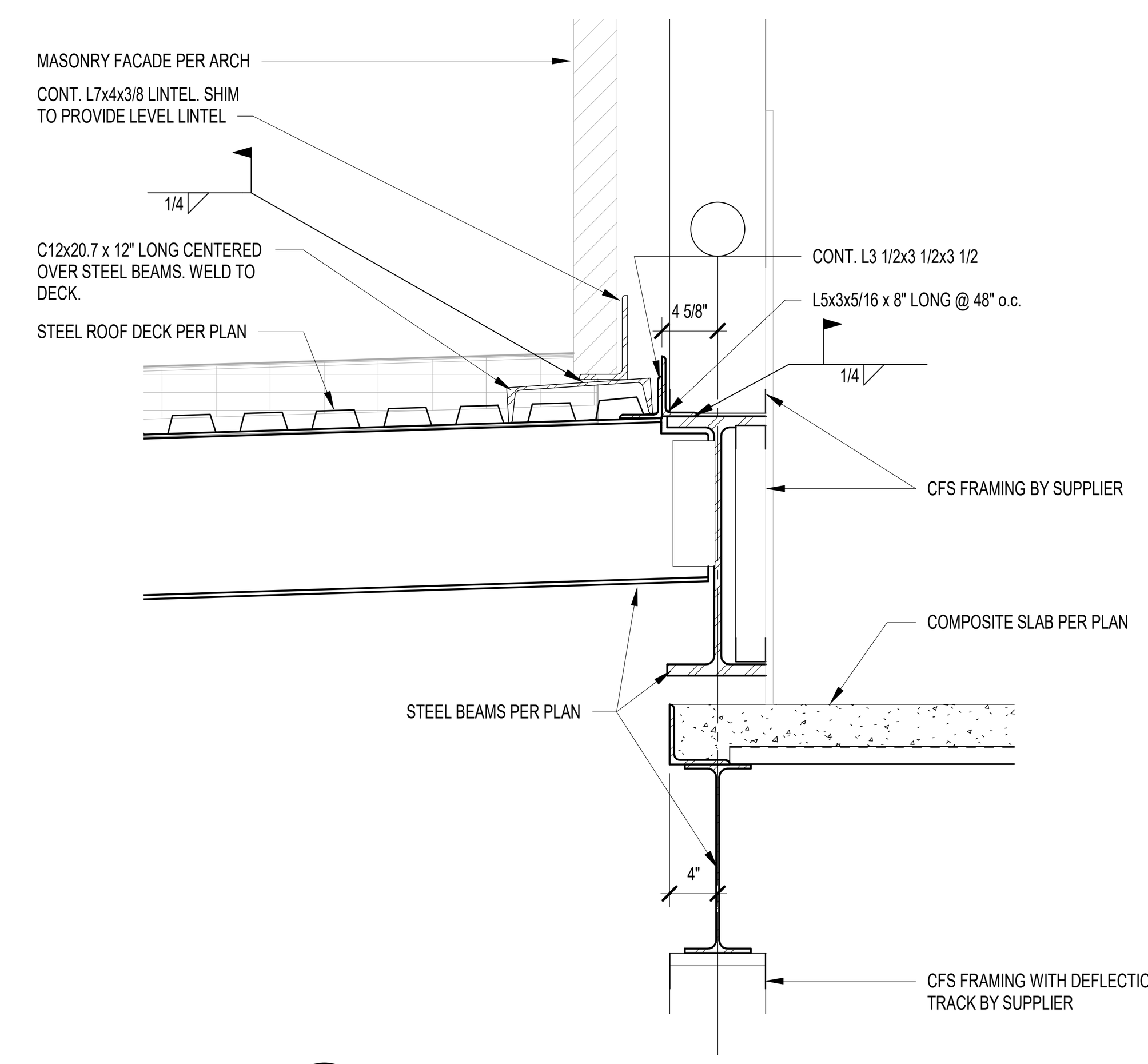
7 FRAMING SECTION
1" = 1'-0"



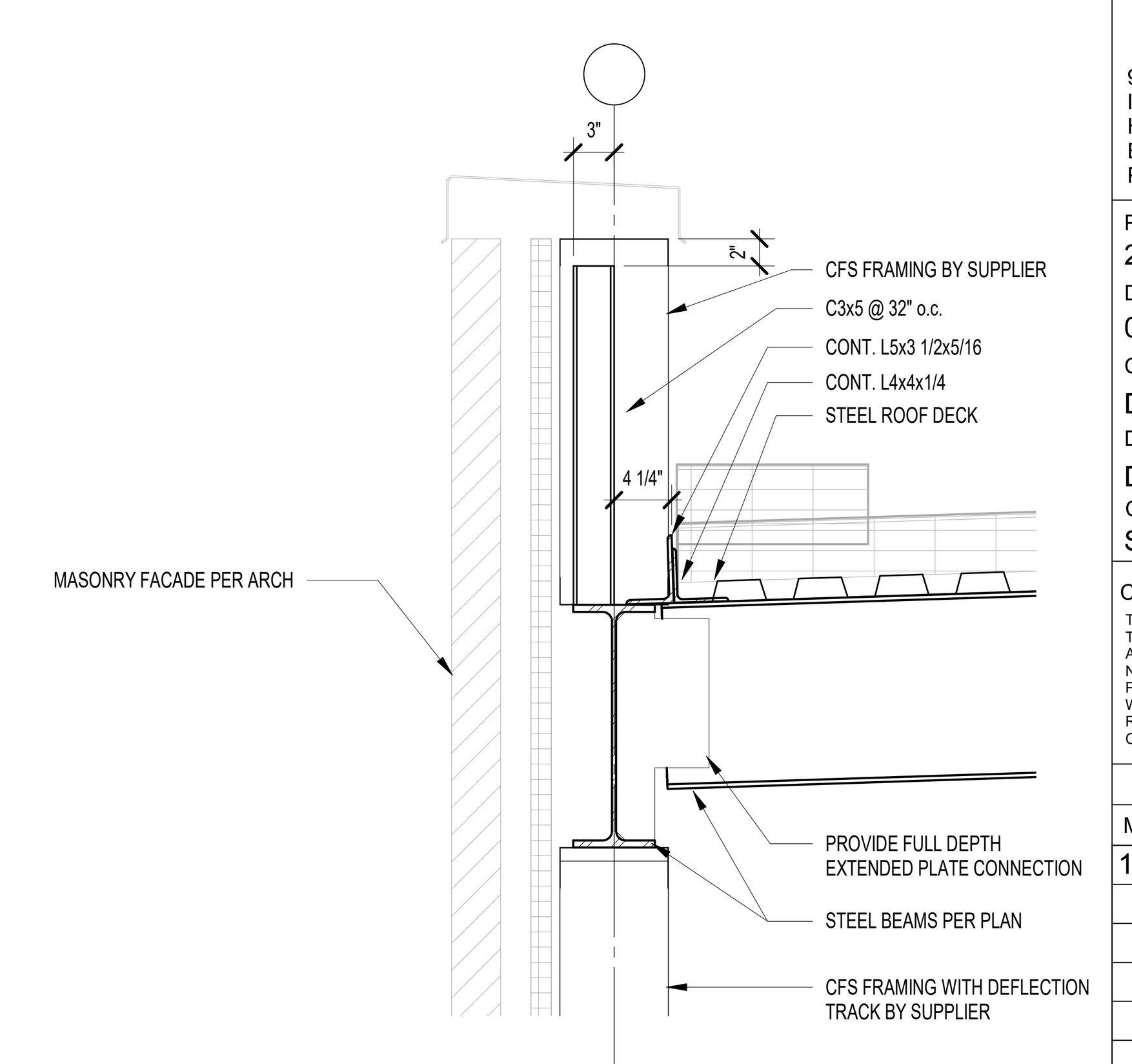
4 FRAMING SECTION
1" = 1'-0"



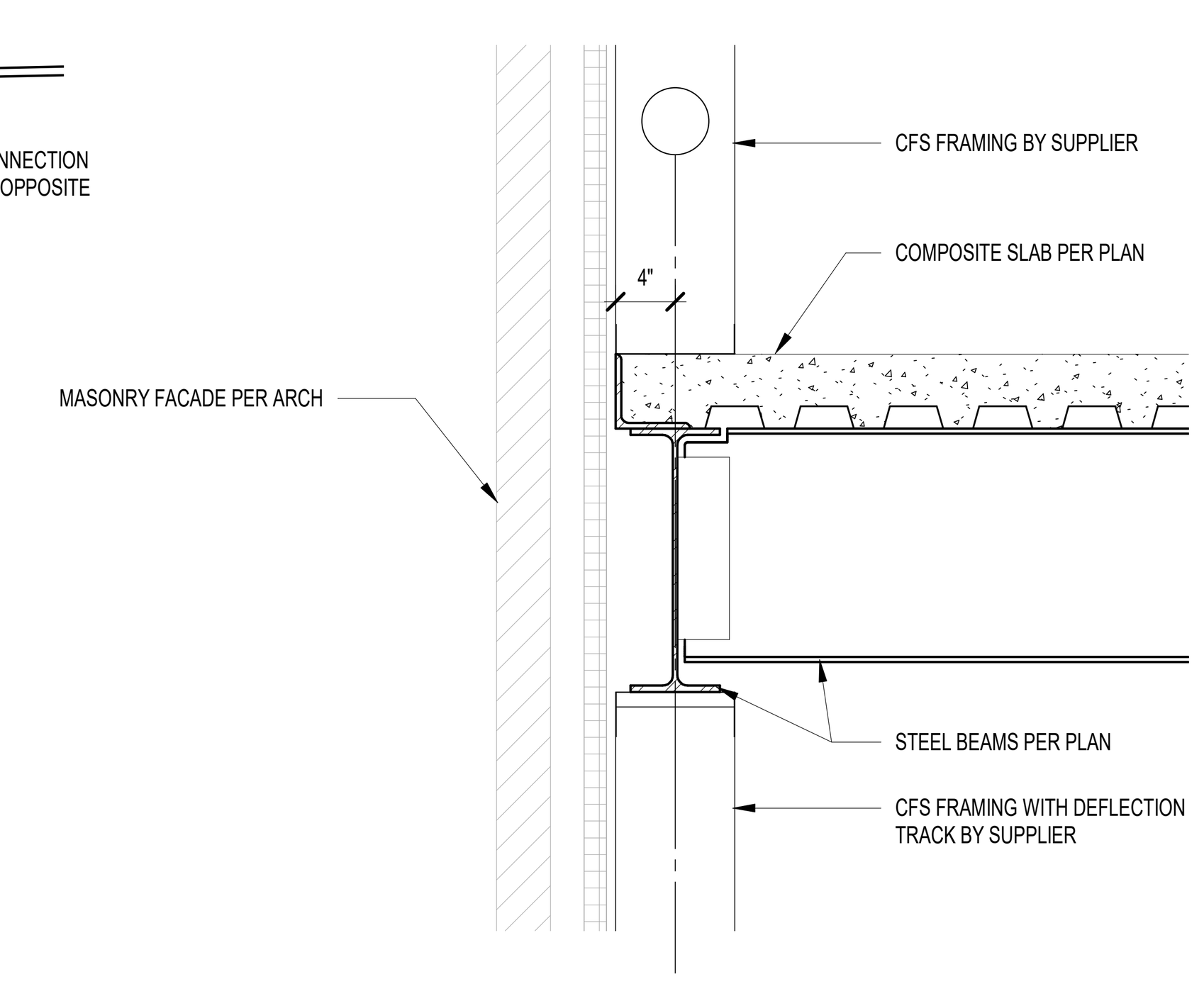
3 FRAMING SECTION
1" = 1'-0"



6 FRAMING SECTION
1" = 1'-0"



2 FRAMING SECTION
1" = 1'-0"



5 FRAMING SECTION
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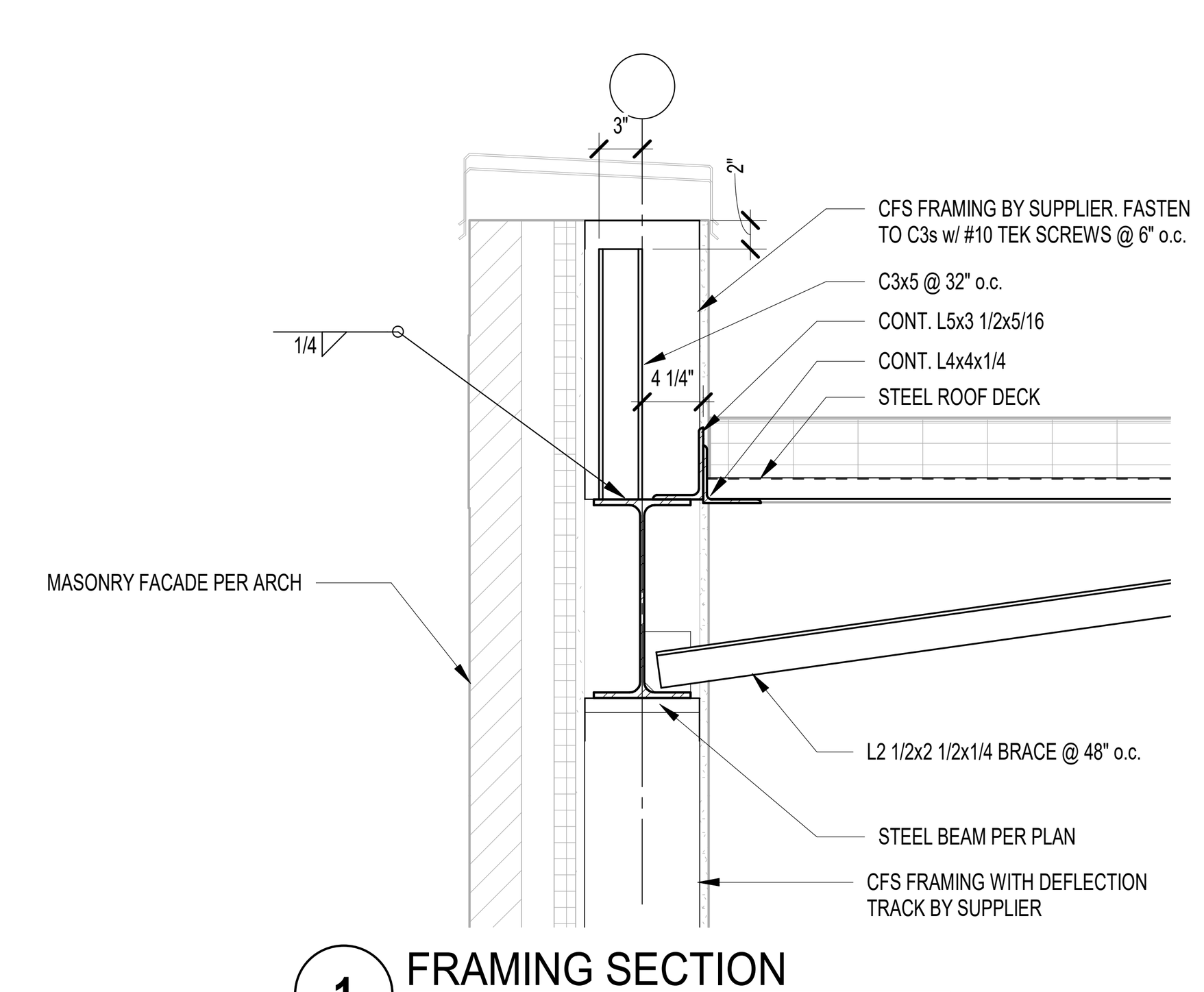

1 FRAMING SECTION
1" = 1'-0"

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LHB

PROJECT:

NEW ADMINISTRATION CENTER, ALTERNATIVE EDUCATION & RESOURCE CENTER, AND RELATED WORK

CROWN POINT COMMUNITY SCHOOL CORPORATION
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PROJECT
21-115
DATE
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COORDINATED BY
DJL
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SAC

SCOTT A. CLORE REGISTERED PE10600154 STATE OF INDIANA PROFESSIONAL ENGINEER

REVISIONS

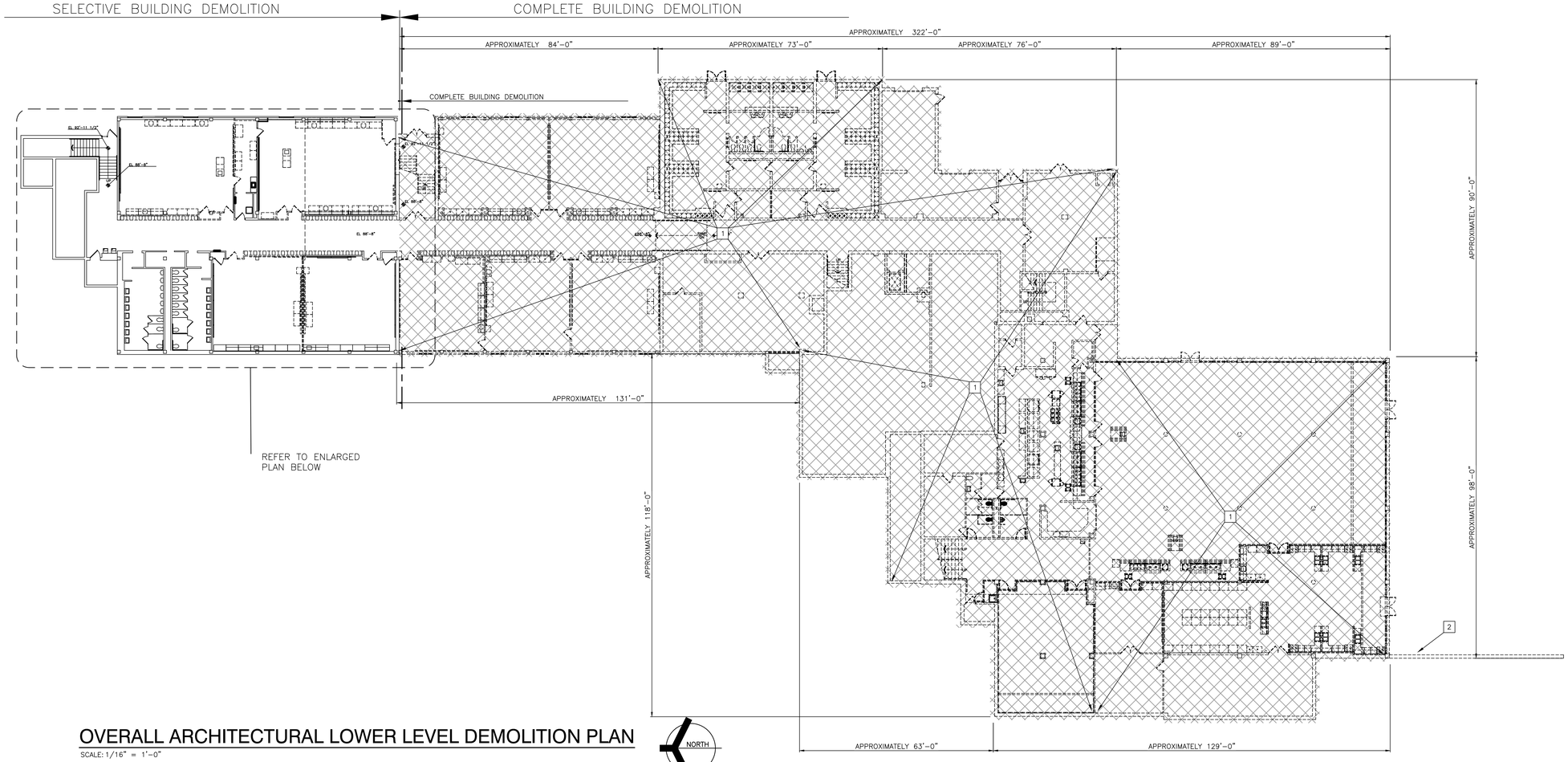
MARK	DATE	ISSUED FOR
1	5/5/22	ADDENDUM 2

DRAWING
FRAMING SECTIONS

PROJECT
NEW ADMINISTRATION CENTER, ALTERNATIVE EDUCATION & RESOURCE CENTER, AND RELATED WORK

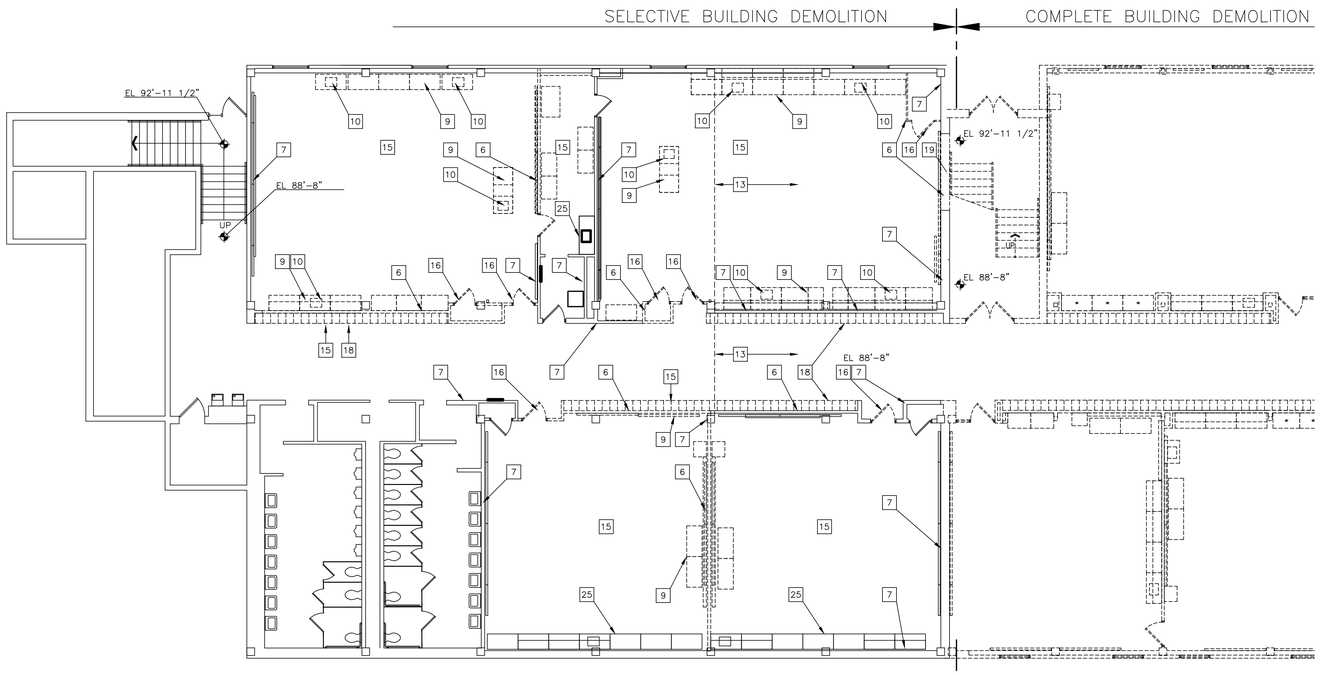
AD

SHEET
S-602



OVERALL ARCHITECTURAL LOWER LEVEL DEMOLITION PLAN

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



ARCHITECTURAL LOWER LEVEL DEMOLITION PLAN SOUTH

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

GENERAL DEMOLITION NOTES:

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

B. EXCEPT FOR THE NORTHERN PORTION OF THE BUILDING, THE ENTIRE BUILDING IS TO BE REMOVED UNLESS OTHERWISE NOTED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD VERIFYING THE EXTENT OF DEMOLITION WORK PRIOR TO BIDDING.

C. PRIOR TO STARTING DEMOLITION, CONSTRUCT CONTROL BARRIERS AS REQUIRED TO PREVENT NON-CONSTRUCTION PERSONNEL FROM ENTERING THE JOB-SITE. CONSTRUCT DUST CONTROL BARRIERS AS REQUIRED TO PREVENT THE SPREAD OF DUST INTO SURROUNDING AREAS (WHERE APPLICABLE).

D. UNLESS NOTED OTHERWISE ON THIS SHEET, THE GENERAL CONTRACTOR IS RESPONSIBLE FOR ALL DEMOLITION AND REMOVAL WORK INDICATED ON THIS SHEET.

E. CONTRACTORS ENCOUNTERING EXISTING MATERIAL WHICH IS SUSPECTED OF CONTAINING ASBESTOS SHALL STOP WORK IMMEDIATELY AND NOTIFY THE OWNER AND THE OWNERS REPRESENTATIVE.

F. 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.

G. 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.

H. REMOVE ALL ITEMS AND FINISHES MADE OBSOLETE BY NEW CONSTRUCTION. VERIFY ITEMS DEEMED OBSOLETE WITH ARCHITECT PRIOR TO REMOVAL. REFER TO NEW CONSTRUCTION DRAWINGS FOR DEMOLITION REQUIRED NOT SHOWN ON DEMOLITION PLANS.

I. EACH CONTRACTOR SHALL BE RESPONSIBLE FOR OFF SITE REMOVAL OF ALL DEMOLITION MATERIALS AND/OR ITEMS UNLESS NOTED OTHERWISE OR DIRECTED BY THE OWNER.

J. WHERE BUILDING EGRESS IS REQUIRED TO PASS THROUGH DEMOLITION AREAS, PROVIDE APPROVED BARRIERS, ETC. TO ENSURE SAFETY OF THE PUBLIC.

K. 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.

L. 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.

M. EACH CONTRACTOR IS RESPONSIBLE FOR CUTTING, PATCHING, AND DISCONNECTION OF ITEMS APPLICABLE TO THEIR SCOPE OF WORK.

N. WHERE EXISTING SERVICES ARE ABANDONED, CAP AT MAIN CONNECTION.

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

P. 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.

Q. 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.

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

S. 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.

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

U. THE OWNER SHALL RESERVE THE RIGHT TO CLAIM ANY MATERIALS THAT ARE BEING DEMOLISHED PRIOR TO THE CONTRACTOR DISPOSING OF THEM OFF SITE, INCLUDING BUT NOT LIMITED TO SIGNAGE, CORNERSTONES, TIME CAPSULES, ETC.

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

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

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

Y. 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.

Z. AT THE EXISTING STRUCTURE TO REMAIN, SECURE OPENINGS FROM UNAUTHORIZED PERSONNEL AND WEATHER.

AA. PUMP AND REMOVE GREASE TRAP IN ITS ENTIRETY.

AB. REFER TO CIVIL DRAWINGS FOR ADDITIONAL DEMOLITION SCOPE.

DEMOLITION PLAN NOTES:

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

1. REMOVE ENTIRE BUILDING FROM ROOF TO BOTTOM OF EXISTING FOOTINGS COMPLETE. 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.
2. REMOVE SIDEWALKS, STAIRS, RAILINGS, RETAINING WALLS, ETC IN THEIR ENTIRETY. INCLUDING FOOTINGS.
3. CUT SIDEWALK AT EDGE OF DEMOLITION OR UTILIZE CONTROL/EXPANSION JOINT AT THIS LOCATION.
4. PROTECT SIDEWALK TO REMAIN ALONG DEMOLISHED WALLS AND SIDEWALKS.
5. REFER TO MECHANICAL DRAWINGS FOR EXISTING EQUIPMENT TO BE RELOCATED.
6. REMOVE PORTION OF WALL FOR NEW CONSTRUCTION, INCLUDING ANY WALL ACCESSORIES, BOARDS, ETC. PATCH FLOOR LEVEL WITH ADJACENT SURFACE.
7. THIS PORTION OF WALL TO REMAIN.
8. REMOVE FLAG POLE AND FOUNDATION IN ITS ENTIRETY.
9. REMOVE EXISTING CABINETRY, TACK AND MARKERBOARDS. PATCH REMAINING WALLS AS REQUIRED TO MATCH ADJACENT SURFACES.
10. 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 AS REQUIRED TO ACCEPT NEW FINISHES.
11. RELOCATE EXISTING LIGHT POLE
12. REMOVE EXISTING WINDOW.
13. REMOVE VCT/SHEET/CARPET SQUARE FLOORING SYSTEM IN ITS ENTIRETY. PREPARE FLOOR FOR NEW FINISHES.
14. REMOVE SUSPENDED ACOUSTICAL CEILING SYSTEM COMPLETE.
15. CAREFULLY REMOVE PERIMETER OF THE SUSPENDED ACOUSTICAL CEILING SYSTEM TO NEAREST FULL TILE TO ALLOW FOR DEMO OF EXISTING WALL (WHERE SHOWN), AND TO ALLOW THE EXISTING LIGHTING AND MECHANICAL TO REMAIN IN PLACE.
16. REMOVE EXISTING DOOR AND FRAME.
17. REMOVE EXISTING PLASTER SOFFIT SYSTEM TO EDGE OF EXISTING METAL FASCIA. METAL FASCIA TO REMAIN.
18. REMOVE METAL LOCKERS. SALVAGE TRIM. REMOVE CONCRETE BASE AS REQUIRED FOR NEW CONSTRUCTION.
19. REMOVE CONCRETE AND STEEL STAIR IN ITS ENTIRETY. PATCH WALL
20. EXISTING STEEL COLUMN TO REMAIN.
21. REMOVE HANDRAIL COMPLETE. PATCH AND REPAIR WALL TO ACCEPT NEW FINISHES.
22. HOSE BID TO REMAIN
23. REROUTE DOWNSPOUT. PREPARE TO REROUTE WITH NEW PIPE TO MATCH EXISTING.
24. REMOVE EXISTING TREE. REFER TO CIVIL SHEETS
25. EXISTING WALL CABINET TO REMAIN

AD-2

GIBRALTAR DESIGN
ARCHITECTURE • ENGINEERING • INTERIOR DESIGN

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PROJECT
NEW ADMINISTRATION CENTER, ALTERNATIVE EDUCATION & RESOURCE CENTER, AND RELATED WORK

CROWN POINT COMMUNITY SCHOOL CORPORATION
CROWN POINT, INDIANA

PROJECT 21-115
DATE 04/15/22
COORDINATED BY EJM
DRAWN BY EJM
CHECKED BY EJM

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

REVISIONS

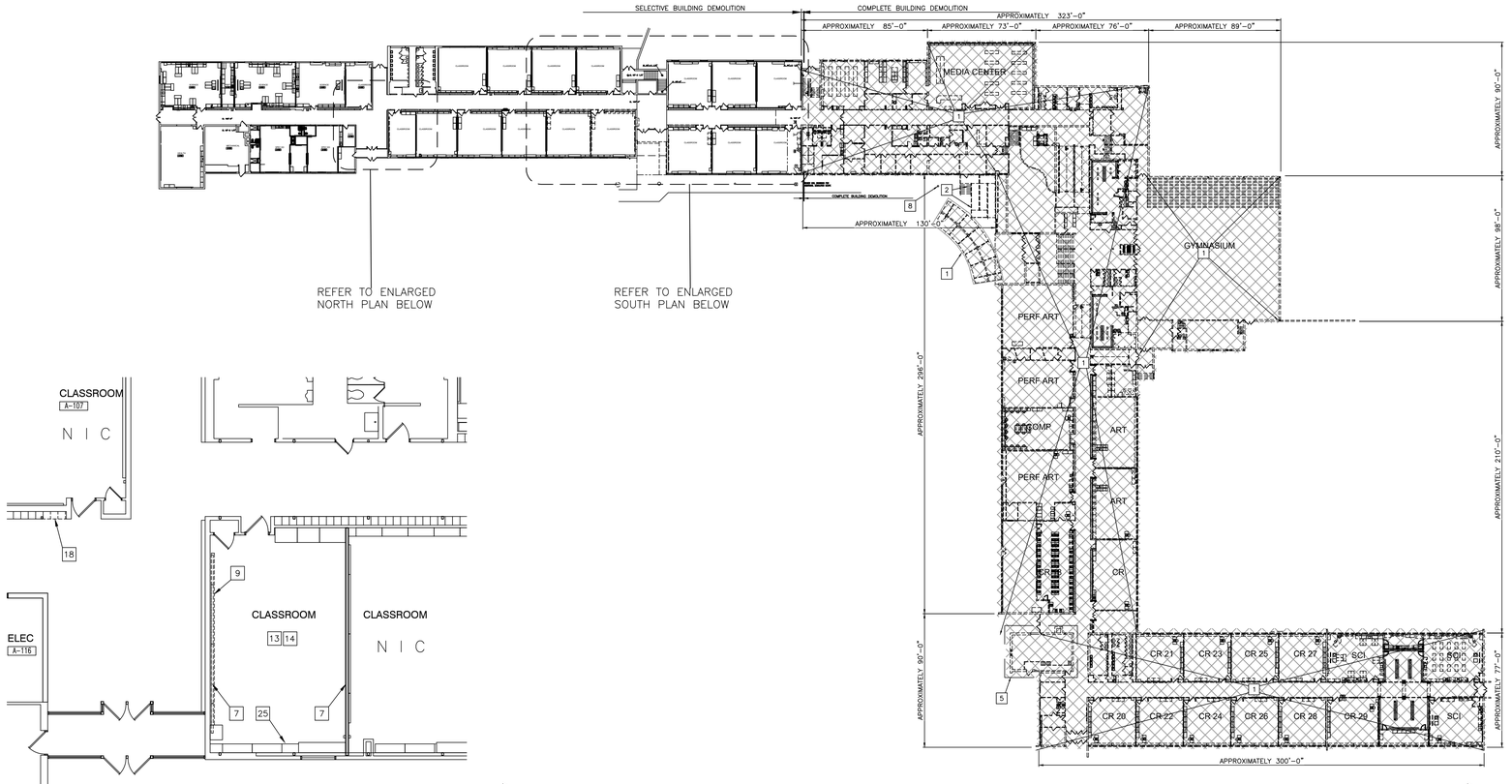
MARK	DATE	ISSUED FOR
AD-2	5/5/22	ADDENDUM NO. 2

DRAWING
ARCHITECTURAL LOWER LEVEL DEMOLITION PLAN

PROJECT
NEW ADMINISTRATION CENTER, ALTERNATIVE EDUCATION & RESOURCE CENTER, AND RELATED WORK

SHEET AR AD-110

Thursday, 5/5/2022 - 11:48 AM - LAST SAVED BY:EMCCAULEY
Y:\21-115 CROWN POINT CSC - NEW ADMIN CENTER, ALTERNATIVE SCHOOL, AND RELATED WORK\21-115 DRAWINGS - ALTERNATIVE ED\05 ARCH\AD-110.DWG



ARCHITECTURAL DEMOLITION PLAN NORTH

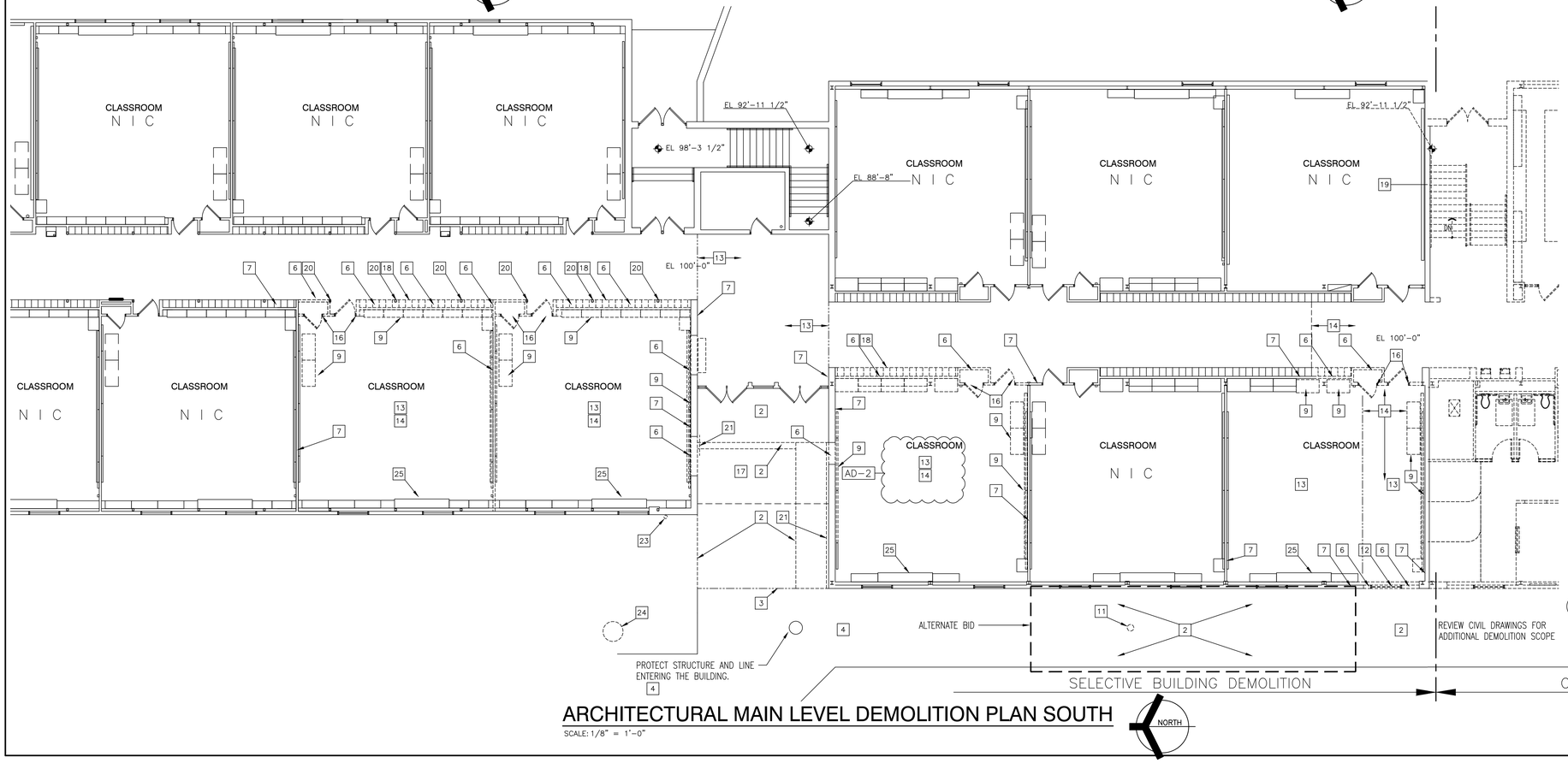
SCALE: 1" = 40'-0"

NORTH

OVERALL ARCHITECTURAL MAIN LEVEL DEMOLITION PLAN

SCALE: 1" = 40'-0"

NORTH



ARCHITECTURAL MAIN LEVEL DEMOLITION PLAN SOUTH

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

NORTH

GENERAL DEMOLITION NOTES:

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

B. EXCEPT FOR THE NORTHERN PORTION OF THE BUILDING, THE ENTIRE BUILDING IS TO BE REMOVED UNLESS OTHERWISE NOTED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD VERIFYING THE EXTENT OF DEMOLITION WORK PRIOR TO BIDDING.

C. PRIOR TO STARTING DEMOLITION, CONSTRUCT CONTROL BARRIERS AS REQUIRED TO PREVENT NON-CONSTRUCTION PERSONNEL FROM ENTERING THE JOB-SITE. CONSTRUCT DUST CONTROL BARRIERS AS REQUIRED TO PREVENT THE SPREAD OF DUST INTO SURROUNDING AREAS (WHERE APPLICABLE).

D. UNLESS NOTED OTHERWISE ON THIS SHEET, THE GENERAL CONTRACTOR IS RESPONSIBLE FOR ALL DEMOLITION AND REMOVAL WORK INDICATED ON THIS SHEET.

E. CONTRACTORS ENCOUNTERING EXISTING MATERIAL WHICH IS SUSPECTED OF CONTAINING ASBESTOS SHALL STOP WORK IMMEDIATELY AND NOTIFY THE OWNER AND THE OWNERS REPRESENTATIVE.

F. 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.

G. 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.

H. REMOVE ALL ITEMS AND FINISHES MADE OBSOLETE BY NEW CONSTRUCTION. VERIFY ITEMS DEEMED OBSOLETE WITH ARCHITECT PRIOR TO REMOVAL. REFER TO NEW CONSTRUCTION DRAWINGS FOR DEMOLITION REQUIRED NOT SHOWN ON DEMOLITION PLANS.

I. EACH CONTRACTOR SHALL BE RESPONSIBLE FOR OFF SITE REMOVAL OF ALL DEMOLITION MATERIALS AND/OR ITEMS UNLESS NOTED OTHERWISE OR DIRECTED BY THE OWNER.

J. WHERE BUILDING EGRESS IS REQUIRED TO PASS THROUGH DEMOLITION AREAS, PROVIDE APPROVED BARRIERS, ETC. TO ENSURE SAFETY OF THE PUBLIC.

K. 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.

L. 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.

M. EACH CONTRACTOR IS RESPONSIBLE FOR CUTTING, PATCHING, AND DISCONNECTION OF ITEMS APPLICABLE TO THEIR SCOPE OF WORK.

N. WHERE EXISTING SERVICES ARE ABANDONED, CAP AT MAIN CONNECTION.

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

P. 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.

Q. 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.

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

S. MASONRY WALLS TO BE REMOVED SHALL BE REMOVED TO A POINT 9" 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.

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

U. THE OWNER SHALL RESERVE THE RIGHT TO CLAIM ANY MATERIALS THAT ARE BEING DEMOLISHED PRIOR TO THE CONTRACTOR DISPOSING OF THEM OFF SITE, INCLUDING BUT NOT LIMITED TO SIGNAGE, CORNERSTONES, TIME CAPSULES, ETC.

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

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

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

Y. 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.

Z. AT THE EXISTING STRUCTURE TO REMAIN, SECURE OPENINGS FROM UNAUTHORIZED PERSONNEL AND WEATHER.

AA. PUMP AND REMOVE GREASE TRAP IN ITS ENTIRETY.

AB. REFER TO CIVIL DRAWINGS FOR ADDITIONAL DEMOLITION SCOPE.

DEMOLITION PLAN NOTES:

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

1. REMOVE ENTIRE BUILDING FROM ROOF TO BOTTOM OF EXISTING FOOTINGS COMPLETE. 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.
2. REMOVE SIDEWALKS, STAIRS, RAILINGS, RETAINING WALLS, ETC IN THEIR ENTIRETY. INCLUDING FOOTINGS.
3. CUT SIDEWALK AT EDGE OF DEMOLITION OR UTILIZE CONTROL/EXPANSION JOINT AT THIS LOCATION.
4. PROTECT SIDEWALK TO REMAIN ALONG DEMOLISHED WALLS AND SIDEWALKS.
5. REFER TO MECHANICAL DRAWINGS FOR EXISTING EQUIPMENT TO BE RELOCATED.
6. REMOVE PORTION OF WALL FOR NEW CONSTRUCTION, INCLUDING ANY WALL ACCESSORIES, BOARDS, ETC. PATCH FLOOR LEVEL WITH ADJACENT SURFACE.
7. THIS PORTION OF WALL TO REMAIN.
8. REMOVE FLAG POLE AND FOUNDATION IN ITS ENTIRETY.
9. REMOVE EXISTING CABINETRY, TACK AND MARKERBOARDS. PATCH REMAINING WALLS AS REQUIRED TO MATCH ADJACENT SURFACES.
10. 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 AS REQUIRED TO ACCEPT NEW FINISHES.
11. RELOCATE EXISTING LIGHT POLE
12. REMOVE EXISTING WINDOW.
13. REMOVE VCT/SHEET/CARPET SQUARE FLOORING SYSTEM IN ITS ENTIRETY. PREPARE FLOOR FOR NEW FINISHES.
14. REMOVE SUSPENDED ACOUSTICAL CEILING SYSTEM COMPLETE.
15. CAREFULLY REMOVE PERIMETER OF THE SUSPENDED ACOUSTICAL CEILING SYSTEM TO NEAREST FULL TILE TO ALLOW FOR DEMO OF EXISTING WALL (WHERE SHOWN), AND TO ALLOW THE EXISTING LIGHTING AND MECHANICAL TO REMAIN IN PLACE.
16. REMOVE EXISTING DOOR AND FRAME.
17. REMOVE EXISTING PLASTER SOFFIT SYSTEM TO EDGE OF EXISTING METAL FASCIA. METAL FASCIA TO REMAIN.
18. REMOVE METAL LOCKERS. SALVAGE TRIM. REMOVE CONCRETE BASE AS REQUIRED FOR NEW CONSTRUCTION.
19. REMOVE CONCRETE AND STEEL STAIR IN ITS ENTIRETY. PATCH WALL
20. EXISTING STEEL COLUMN TO REMAIN.
21. REMOVE HANDRAIL COMPLETE. PATCH AND REPAIR WALL TO ACCEPT NEW FINISHES.
22. HOSE BID TO REMAIN
23. REROUTE DOWNSPOUT. PREPARE TO REROUTE WITH NEW PIPE TO MATCH EXISTING.
24. REMOVE EXISTING TREE. REFER TO CIVIL SHEETS
25. EXISTING WALL CABINET TO REMAIN

AD-2

GIBRALTAR DESIGN
ARCHITECTURE • ENGINEERING • INTERIOR DESIGN

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PROJECT
NEW ADMINISTRATION CENTER, ALTERNATIVE EDUCATION & RESOURCE CENTER, AND RELATED WORK

CROWN POINT COMMUNITY SCHOOL CORPORATION
CROWN POINT, INDIANA

PROJECT 21-115
DATE 04/15/22
COORDINATED BY EJM
DRAWN BY EJM
CHECKED BY EJM

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

REVISIONS

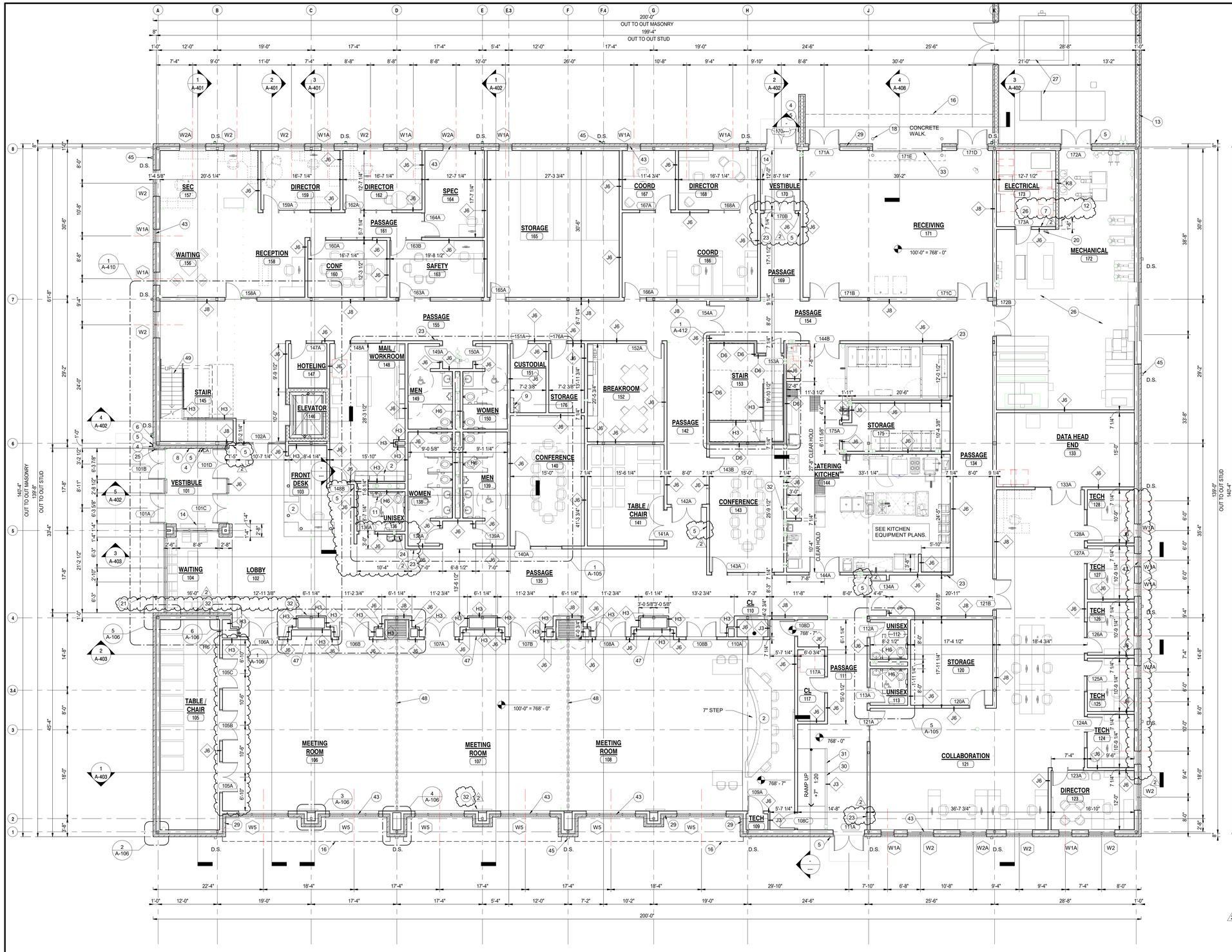
MARK	DATE	ISSUED FOR
AD-2	5/5/22	ADDENDUM NO. 2

DRAWING
ARCHITECTURAL MAIN LEVEL DEMOLITION PLAN

PROJECT
NEW ADMINISTRATION CENTER, ALTERNATIVE EDUCATION & RESOURCE CENTER, AND RELATED WORK

SHEET
AR AD-111

Thursday, 5/5/2022 - 11:47 AM - LAST SAVED BY:EMCCAULEY
Y:\21-115 CROWN POINT CSC - NEW ADMIN CENTER, ALTERNATIVE SCHOOL AND RELATED WORK\21-115 DRAWINGS - ALTERNATIVE ED\05 ARCH\AD-111.DWG



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". REFER TO SITE PLAN FOR CORRELATION TO USGS DATUM.

F. LOCATE HINGE SIDE OF DOOR JAMB AT CMU WALLS 8" MINIMUM FROM ADJACENT WALL AND LOCATE HINGE SIDE OF DOOR JAMB AT GYPSUM BOARD WALLS 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. REFER TO FINISH PLANS FOR INTERIOR ELEVATIONS AND EXTENT OF FLOOR AND WALL FINISHES.

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

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

M. REFER TO EQUIPMENT PLANS FOR REFERENCE TO ENLARGED TOILET ROOM PLANS AND TOILET ACCESSORIES.

N. FOR OVERALL BUILDING DIMENSIONS AND RELATIONSHIPS BETWEEN UNITS REFER TO SHEET A-001 AND A-002.

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.

PLAN NOTES:

1. FULLY ADHERED SINGLE PLY ROOF MEMBRANE ON TAPERED INSULATION.
2. CASEWORK AND/OR MILLWORK (TYPICAL), SEE EQUIPMENT PLANS.
3. DASHED LINE INDICATES TYPICAL BULKHEAD, REFER TO SECTIONS AND REFLECTED CEILING PLANS. (ALL BULKHEADS ARE NOT INDICATED ON THIS PLAN)
4. PUSH PAD FOR ADA OPERATOR, SEE ELECTRICAL DRAWINGS.
5. CARD/FOB READER, REFER TO ELECTRICAL/TECHNOLOGY DRAWINGS.
6. AI DEVICE, REFER TO ELECTRICAL/TECHNOLOGY DRAWINGS.
7. FIRE ALARM CONTROL PANEL, REFER TO ELECTRICAL DRAWINGS.
8. FIRE ALARM ANNUNCIATOR PANEL, REFER TO ELECTRICAL DRAWINGS.
9. MOP SINK, REFER TO PLUMBING DRAWINGS.
10. SERVICE SINK, REFER TO PLUMBING DRAWINGS.
11. WALL SINK, REFER TO PLUMBING DRAWINGS.
12. ROOF HATCH AND LADDER.
13. MASONRY SCREEN WALL WITH PREFINISHED METAL PARAPET CAP AT MECHANICAL YARD AND DUMPSTER ENCLOSURE. SEE SHEET A107 FOR DETAILS. SEE CIVIL FOR DIMENSIONS.
14. CABINET HEATER, REFER TO MECHANICAL DRAWINGS.
15. ROOF CONDUCTOR, REFER TO PLUMBING DRAWINGS.
16. LINE OF CANOPY ABOVE, REFER TO SECTIONS.
17. ROOF DRAIN TIE INTO DOWNSPOUT.
18. 6" PIPE BOLLARD, REFER TO CIVIL DRAWINGS.
19. DATE STONE AND TIME CAPSULE.
20. FIRE EXTINGUISHER AND WALL MOUNT BRACKET. REFER TO EQUIPMENT PLANS.
21. SUNSHADE CANOPY.
22. ROOF BELOW, REFER TO ROOF PLAN.
23. FIRE EXTINGUISHER AND SEMI-RECESSED CABINET. REFER TO EQUIPMENT PLANS.
24. ACCESSIBLE ELECTRIC WATER COOLER WITH BOTTLE FILLER, REFER TO PLUMBING DRAWINGS.
25. KNOX BOX. COORDINATE LOCATION WITH LOCAL SERVICING FIRE DEPARTMENT.
26. PROVIDE 4" HIGH CONCRETE EQUIPMENT/HOUSE KEEPING PAD UNDER ALL EQUIPMENT IN THIS ROOM, VERIFY SIZE AND LOCATION WITH MECHANICAL AND ELECTRICAL TRADES.
27. CONCRETE EQUIPMENT PAD, VERIFY SIZE AND LOCATION WITH MECHANICAL AND ELECTRICAL TRADES. REFER TO STRUCTURAL DRAWINGS FOR DETAILS.
28. OVERFLOW ROOF DRAIN TIE INTO DOWNSPOUT.
29. CAVITY INSULATION AND MASONRY TO CONTINUE THROUGH CANOPY PLENUM. SEAL INSULATION TIGHT TO PENETRATING CANOPY BEAMS WITH FOAM INSULATION. PROVIDE MEMBRANE FLASHING OVER TOP OF BEAMS EXPOSED IN BRICK CAVITY.
30. HALF-HEIGHT WALL WITH HARDWOOD CAP.
31. PROVIDE HEAVY DUTY STIFFENERS WITHIN THE HALF HEIGHT WALL SPACE. SEE STRUCTURAL.
32. DISPLAY WALL / MONITOR (TYP), REFER TO EQUIPMENT DRAWINGS.
33. 14'-0"W x 12'-0"H PREFINISHED INSULATED OVERHEAD COILING DOOR.
34. 42" HIGH STAINLESS STEEL AND GLASS GUARDRAIL.
35. 42" HIGH STAINLESS STEEL AND GLASS GUARDRAIL WITH 1 1/2" O.D. STAINLESS STEEL HANDRAIL.
36. 1 1/2" O.D. STAINLESS STEEL HANDRAIL.
37. NOT USED.
38. NOT USED.
39. NOT USED.
40. NOT USED.
41. NOT USED.
42. NOT USED.
43. SOLID SURFACE WINDOW STOOL.
44. NOT USED.
45. PREFINISHED METAL DOWNSPOUT. TIE INTO STORM SEWER. SEE CIVIL.
46. NOT USED.
47. SHELF AND ROD MOUNTED AT 4'-0" AFF. AND 6'-8" AFF. - SEE (2 / A-501)
48. MANUAL OPERATION FOLDING WALL SYSTEM WITH POCKET DOORS.
49. CONCRETE FILLED METAL PAN STAIRS WITH INTEGRAL CERAMIC TILE.
50. 1 1/4" I.D. STEEL PIPE GUARDRAIL.
51. 1 1/4" I.D. STEEL PIPE HANDRAIL.

1 A-101 FIRST FLOOR PLAN

1/8" = 1'-0"

NORTH

GIBRALTAR DESIGN
ARCHITECTURE · ENGINEERING · INTERIOR DESIGN

PROJECT:

NEW ADMINISTRATION CENTER, ALTERNATIVE EDUCATION & RESOURCE CENTER, AND RELATED WORK

CROWN POINT COMMUNITY SCHOOL CORPORATION
CROWN POINT, INDIANA

GIBRALTAR DESIGN
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PROJECT

DATE
04/15/22
COORDINATED BY
GWT
DRAWN BY
JMG
CHECKED BY
GWT

JOSEPH P. BRIGG REGISTERED NO. 11600109 STATE OF INDIANA

REVISIONS

MARK	DATE	ISSUED FOR
2	05/05/2022	ADDENDUM NO. 2

DRAWING
FIRST FLOOR PLAN

PROJECT
NEW ADMINISTRATION CENTER, ALTERNATIVE EDUCATION & RESOURCE CENTER, AND RELATED WORK

AD

SHEET
A-101

5/5/2022 4:10:34 PM
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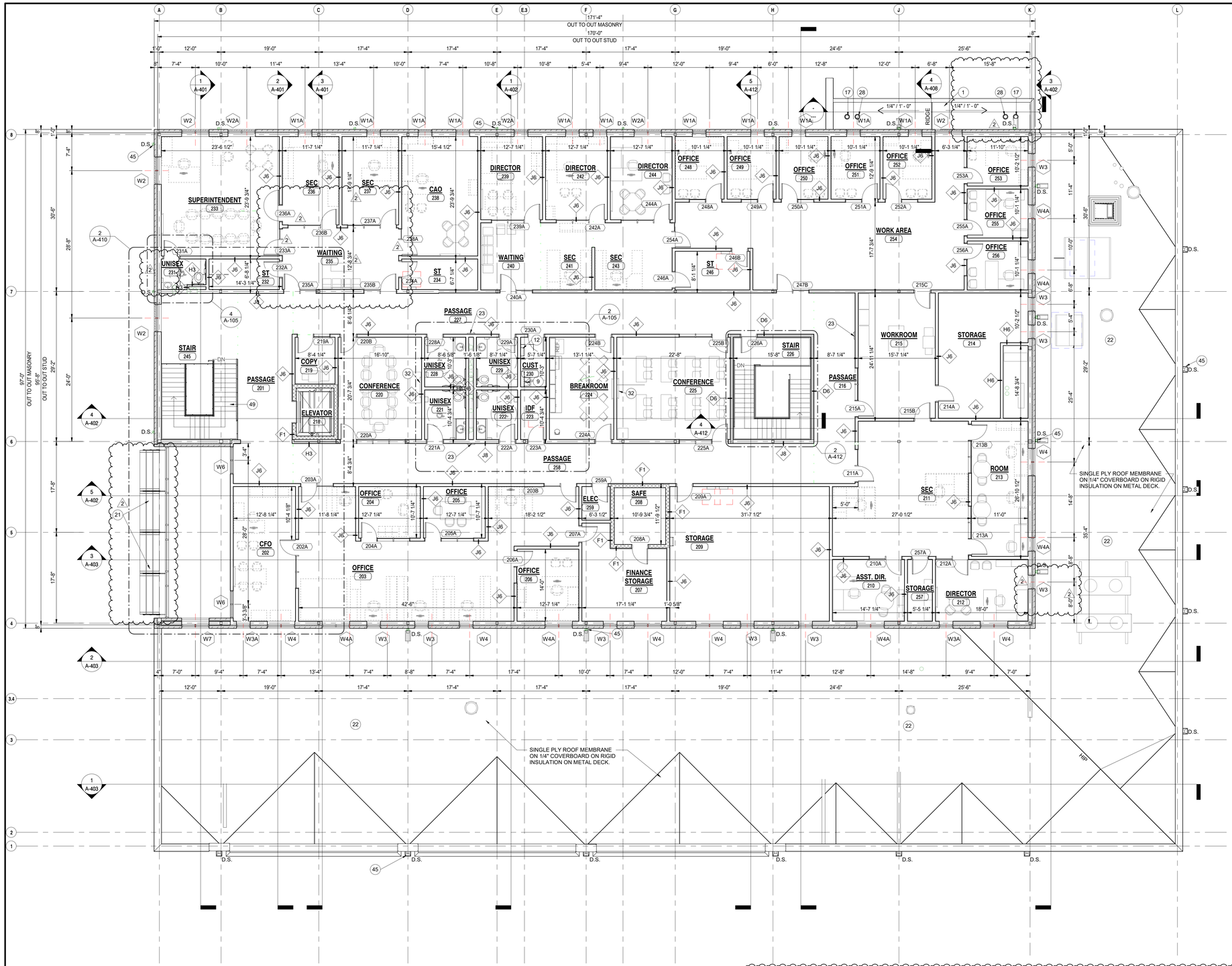

SECOND FLOOR PLAN

1/A-102 — 1/8" = 1'-0"

NORTH

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". REFER TO SITE PLAN FOR CORRELATION TO USGS DATUM.

F. LOCATE HINGE SIDE OF DOOR JAMB AT CMU WALLS 8" MINIMUM FROM ADJACENT WALL AND LOCATE HINGE SIDE OF DOOR JAMB AT GYPSUM BOARD WALLS 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. REFER TO FINISH PLANS FOR INTERIOR ELEVATIONS AND EXTENT OF FLOOR AND WALL FINISHES.

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

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

M. REFER TO EQUIPMENT PLANS FOR REFERENCE TO ENLARGED TOILET ROOM PLANS AND TOILET ACCESSORIES.

N. FOR OVERALL BUILDING DIMENSIONS AND RELATIONSHIPS BETWEEN UNITS REFER TO SHEET A-001 AND A-002.

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.

PLAN NOTES:

1. FULLY ADHERED SINGLE PLY ROOF MEMBRANE ON TAPERED INSULATION.
2. CASEWORK AND/OR MILLWORK (TYPICAL), SEE EQUIPMENT PLANS.
3. DASHED LINE INDICATES TYPICAL BULKHEAD, REFER TO SECTIONS AND REFLECTED CEILING PLANS. (ALL BULKHEADS ARE NOT INDICATED ON THIS PLAN)
4. PUSH PAD FOR ADA OPERATOR, SEE ELECTRICAL DRAWINGS.
5. CARD/FOB READER, REFER TO ELECTRICAL/TECHNOLOGY DRAWINGS.
6. AI DEVICE, REFER TO ELECTRICAL/TECHNOLOGY DRAWINGS.
7. FIRE ALARM CONTROL PANEL, REFER TO ELECTRICAL DRAWINGS.
8. FIRE ALARM ANNUNCIATOR PANEL, REFER TO ELECTRICAL DRAWINGS.
9. MOP SINK, REFER TO PLUMBING DRAWINGS.
10. SERVICE SINK, REFER TO PLUMBING DRAWINGS.
11. WALL SINK, REFER TO PLUMBING DRAWINGS.
12. ROOF HATCH AND LADDER. (3/A-501)
13. MASONRY SCREEN WALL WITH PREFINISHED METAL PARAPET CAP AT MECHANICAL YARD AND DUMPSTER ENCLOSURE. SEE SHEET A107 FOR DETAILS. SEE CIVIL FOR DIMENSIONS. (2)
14. CABINET HEATER, REFER TO MECHANICAL DRAWINGS.
15. ROOF CONDUCTOR, REFER TO PLUMBING DRAWINGS.
16. LINE OF CANOPY ABOVE, REFER TO SECTIONS.
17. ROOF DRAIN TIE INTO DOWNSPOUT.
18. 6" PIPE BOLLARD, REFER TO CIVIL DRAWINGS. (2)
19. DATE STONE AND TIME CAPSULE.
20. FIRE EXTINGUISHER AND WALL MOUNT BRACKET. REFER TO EQUIPMENT PLANS.
21. SUNSHADE CANOPY. (2)
22. ROOF BELOW, REFER TO ROOF PLAN.
23. FIRE EXTINGUISHER AND SEMI-RECESSED CABINET. REFER TO EQUIPMENT PLANS.
24. ACCESSIBLE ELECTRIC WATER COOLER WITH BOTTLE FILLER, REFER TO PLUMBING DRAWINGS.
25. KNOX BOX. COORDINATE LOCATION WITH LOCAL SERVICING FIRE DEPARTMENT.
26. PROVIDE 4" HIGH CONCRETE EQUIPMENT/HOUSE KEEPING PAD UNDER ALL EQUIPMENT IN THIS ROOM, VERIFY SIZE AND LOCATION WITH MECHANICAL AND ELECTRICAL TRADES.
27. CONCRETE EQUIPMENT PAD, VERIFY SIZE AND LOCATION WITH MECHANICAL AND ELECTRICAL TRADES. REFER TO STRUCTURAL DRAWINGS FOR DETAILS.
28. OVERFLOW ROOF DRAIN TIE INTO DOWNSPOUT.
29. CAVITY INSULATION AND MASONRY TO CONTINUE THROUGH CANOPY PLENUM. SEAL INSULATION TIGHT TO PENETRATING CANOPY BEAMS WITH FOAM INSULATION. PROVIDE MEMBRANE FLASHING OVER TOP OF BEAMS EXPOSED IN BRICK CAVITY.
30. HALF-HEIGHT WALL WITH HARDWOOD CAP.
31. PROVIDE HEAVY DUTY STIFFENERS WITHIN THE HALF HEIGHT WALL SPACE. SEE STRUCTURAL.
32. DISPLAY WALL / MONITOR (TYP), REFER TO EQUIPMENT DRAWINGS.
33. 14'-0"W x 12'-0"H PREFINISHED INSULATED OVERHEAD COILING DOOR.
34. 42" HIGH STAINLESS STEEL AND GLASS GUARDRAIL.
35. 42" HIGH STAINLESS STEEL AND GLASS GUARDRAIL WITH 1 1/2" O.D. STAINLESS STEEL HANDRAIL.
36. 1 1/2" O.D. STAINLESS STEEL HANDRAIL.
37. NOT USED.
38. NOT USED.
39. NOT USED.
40. NOT USED.
41. NOT USED. (2)
42. NOT USED.
43. SOLID SURFACE WINDOW STOOL.
44. NOT USED.
45. PREFINISHED METAL DOWNSPOUT. TIE INTO STORM SEWER. SEE CIVIL.
46. NOT USED.
47. SHELF AND ROD MOUNTED AT 4'-0" AFF. AND 6'-8" AFF. - SEE (2/A-501)
48. MANUAL OPERATION FOLDING WALL SYSTEM WITH POCKET DOORS.
49. CONCRETE FILLED METAL PAN STAIRS WITH INTEGRAL CERAMIC TILE. (2)
50. 1 1/4" I.D. STEEL PIPE GUARDRAIL.
51. 1 1/4" I.D. STEEL PIPE HANDRAIL.

GIBRALTAR DESIGN
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PROJECT:

NEW ADMINISTRATION CENTER, ALTERNATIVE EDUCATION & RESOURCE CENTER, AND RELATED WORK

CROWN POINT COMMUNITY SCHOOL CORPORATION
CROWN POINT, INDIANA

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PROJECT

DATE
04/15/22
COORDINATED BY
GWT
DRAWN BY
JMG
CHECKED BY
GWT

JOSEPH P. BRIGGS REGISTERED NO. 11600109 STATE OF INDIANA

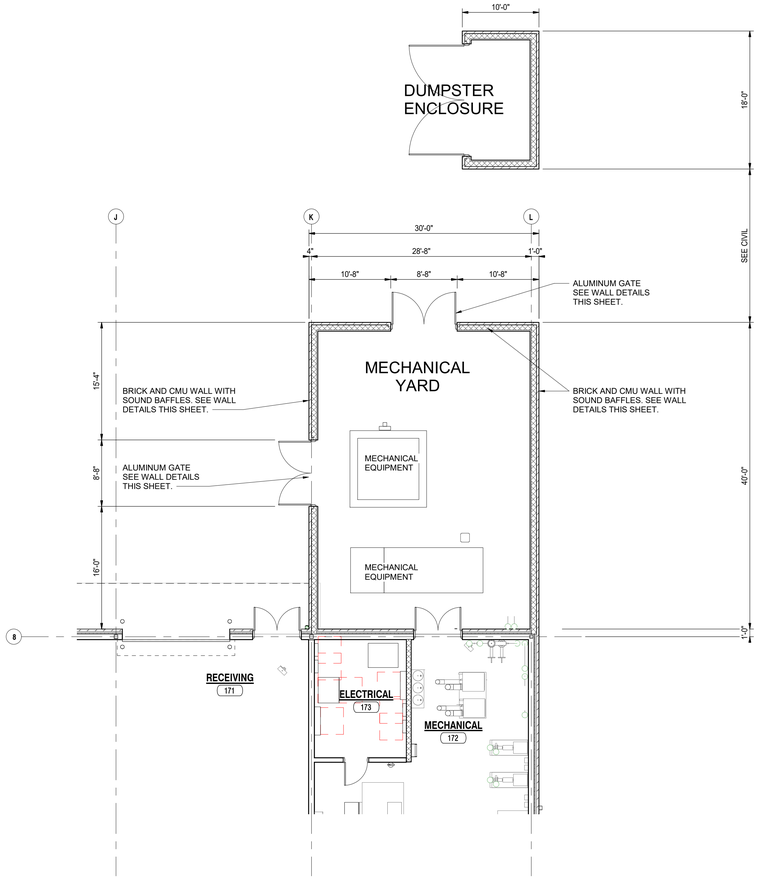
REVISIONS

MARK	DATE	ISSUED FOR
2	05/05/2022	ADDENDUM NO. 2

DRAWING
SECOND FLOOR PLAN

PROJECT
NEW ADMINISTRATION CENTER, ALTERNATIVE EDUCATION & RESOURCE CENTER, AND RELATED WORK

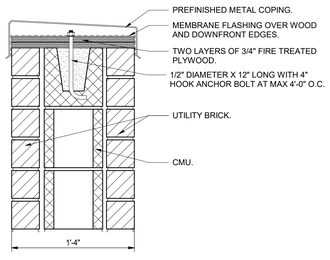
SHEET
AD A-102



1 A-107 FIRST FLOOR PLAN

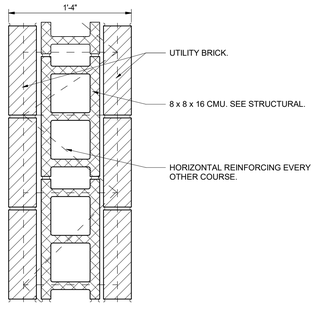
1/8" = 1'-0"

NORTH



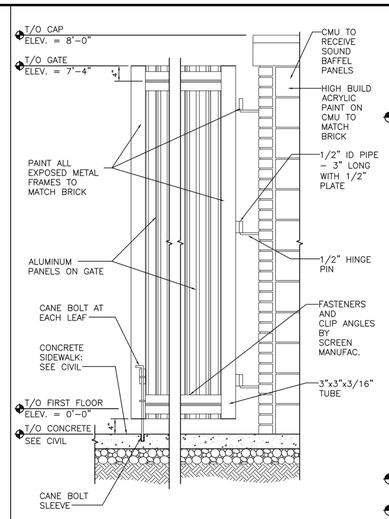
4 A-107 MASONRY SCREEN WALL SECTION

1 1/2" = 1'-0"



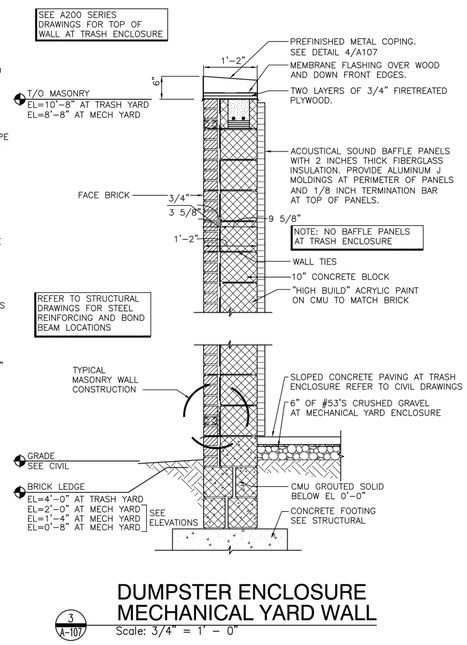
5 A-107 MASONRY SCREEN WALL PLAN

1 1/2" = 1'-0"



2 A-107 ALUMINUM GATE DETAIL MECHANICAL YARD

Scale: 3/4" = 1' - 0"



3 A-107 DUMPSTER ENCLOSURE MECHANICAL YARD WALL

Scale: 3/4" = 1' - 0"

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PROJECT:

NEW ADMINISTRATION CENTER, ALTERNATIVE EDUCATION & RESOURCE CENTER, AND RELATED WORK

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CROWN POINT, INDIANA

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PROJECT

DATE
04/15/22
COORDINATED BY
Designer
DRAWN BY
Author
CHECKED BY
Checker

JOSEPH P. BRIGGS REGISTERED NO. 11600109 STATE OF INDIANA

REVISIONS

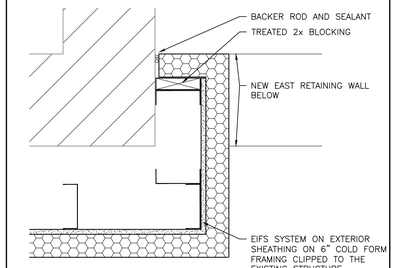
MARK	DATE	ISSUED FOR
2	05/05/2022	ADDENDUM NO. 2

DRAWING
A-107 MECHANICAL YARD SCREEN WALL AND DUMPSTER ENCLOSURE

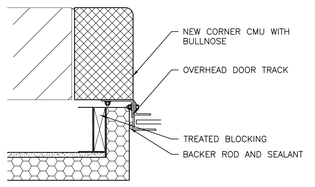
PROJECT
NEW ADMINISTRATION CENTER, ALTERNATIVE EDUCATION & RESOURCE CENTER, AND RELATED WORK

AD

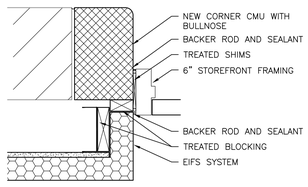
SHEET
A-107



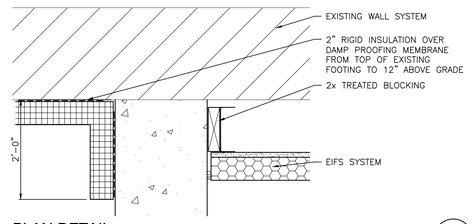
PLAN DETAIL
SCALE: 1-1/2" = 1'-0"
2 A-110



PLAN DETAIL
SCALE: 1-1/2" = 1'-0"
3 A-110



PLAN DETAIL
SCALE: 1-1/2" = 1'-0"
4 A-110



PLAN DETAIL
SCALE: 1-1/2" = 1'-0"
5 A-110

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) AS REQUIRED 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. ALL EXPOSED CONCRETE MASONRY UNITS (CMU) CORNERS ARE TO BE BULLNOSED, 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 DEMOLITION SHEETS FOR ADDITIONAL PATCHING AND REPAIR WORK.

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

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

O. REFER TO EQUIPMENT PLANS FOR REFERENCE TO ENLARGED TOILET ROOM PLANS AND TOILET ACCESSORIES.

PLAN LEGEND:

INDICATES STOREFRONT, CURTAIN WALL, OR WINDOW SYSTEM. REFER TO A-600 SERIES DRAWINGS FOR ELEVATIONS AND DETAILS.

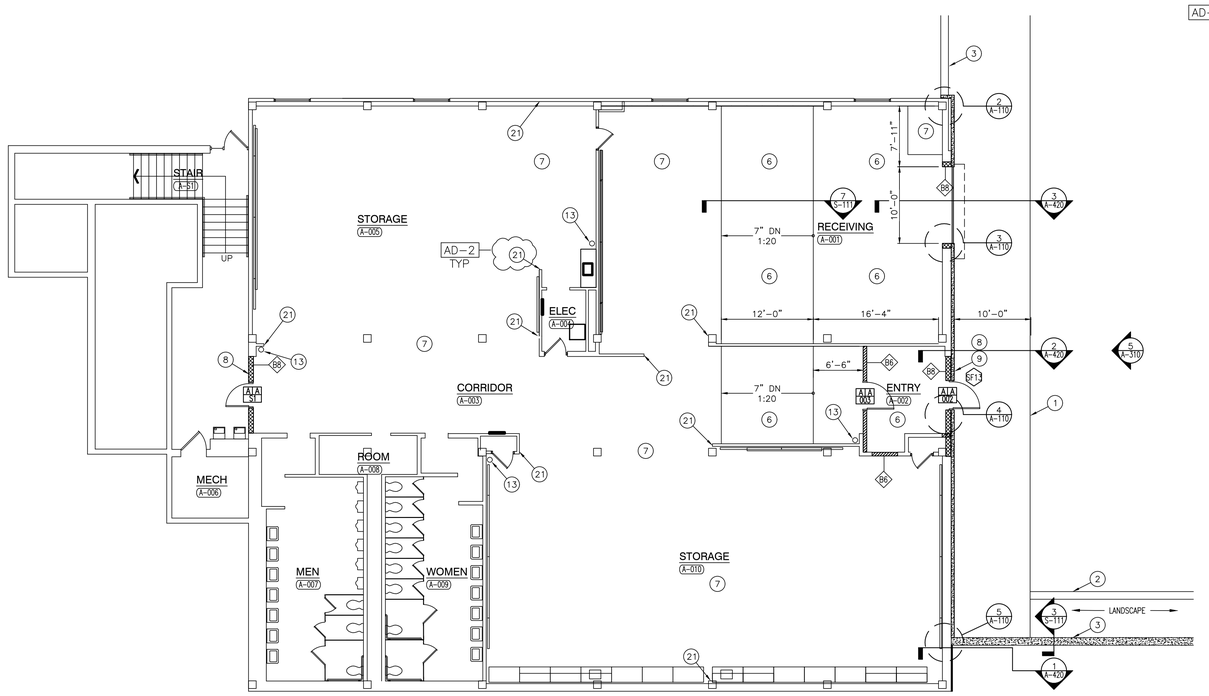
INDICATES WALL TYPES REFER TO G-302 FOR WALL THICKNESS, HEIGHT, AND COMPOSITION.

PLAN NOTES:

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

1. CONCRETE STOOP.
2. BARRIER CURB. REFER TO CIVIL SHEETS.
3. RETAINING WALL. REFER TO DETAIL 3/S-111.
4. CONCRETE RAMP/STAIR WITH METAL RAILINGS. REFER TO SHEET A-430.
5. CONCRETE SLAB.
6. CONCRETE SLAB OVER EXISTING SLAB.
7. EXISTING SLAB. PATCH CONCRETE AND VCT WHERE WALLS WERE REMOVED.
8. CARD/FOB READER. REFER TO ELECTRICAL/TECHNOLOGY SHEETS.
9. AI DEVICE. REFER TO ELECTRICAL/TECHNOLOGY SHEETS.
10. 6" PIPE BOLLARD. REFER TO SHEET G-301
11. CABINET HEATER. REFER TO MECHANICAL PLANS.
12. NEW CASEWORK. REFER TO EQUIPMENT PLAN.
13. WALL MOUNTED FIRE EXTINGUISHER.
14. SEMI RECESSED FIRE EXTINGUISHER CABINET.
15. SALVAGED LOCKER TRIM
16. RANGE AND HOOD (OFOI).
17. REFRIGERATOR (OFOI)
18. FIRE ALARM CONTROL PANEL, REFER TO ELECTRICAL DRAWINGS.
19. FIRE ALARM ANNUNCIATOR PANEL, REFER TO ELECTRICAL DRAWINGS.
20. KNOX BOX
21. PATCH WALL AT DEMOLISHED WALL TO MATCH ADJACENT SURFACES
22. NEW SIDEWALK. REFER TO CIVIL DRAWINGS FOR WALK DETAILS.
23. EXISTING WALK TO REMAIN
24. RELOCATED LIGHT POLE. COORDINATE FINAL LOCATION.

AD-2



ARCHITECTURAL LOWER LEVEL FLOOR PLAN SOUTH

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

GIBRALTAR
DESIGN
ARCHITECTURE • ENGINEERING • INTERIOR DESIGN

PROJECT
NEW ADMINISTRATION CENTER, ALTERNATIVE EDUCATION & RESOURCE CENTER, AND RELATED WORK

CROWN POINT COMMUNITY SCHOOL CORPORATION
CROWN POINT, INDIANA

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PROJECT 21-115
DATE 04/15/22
COORDINATED BY EJM
DRAWN BY EJM
CHECKED BY EJM

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

REVISIONS

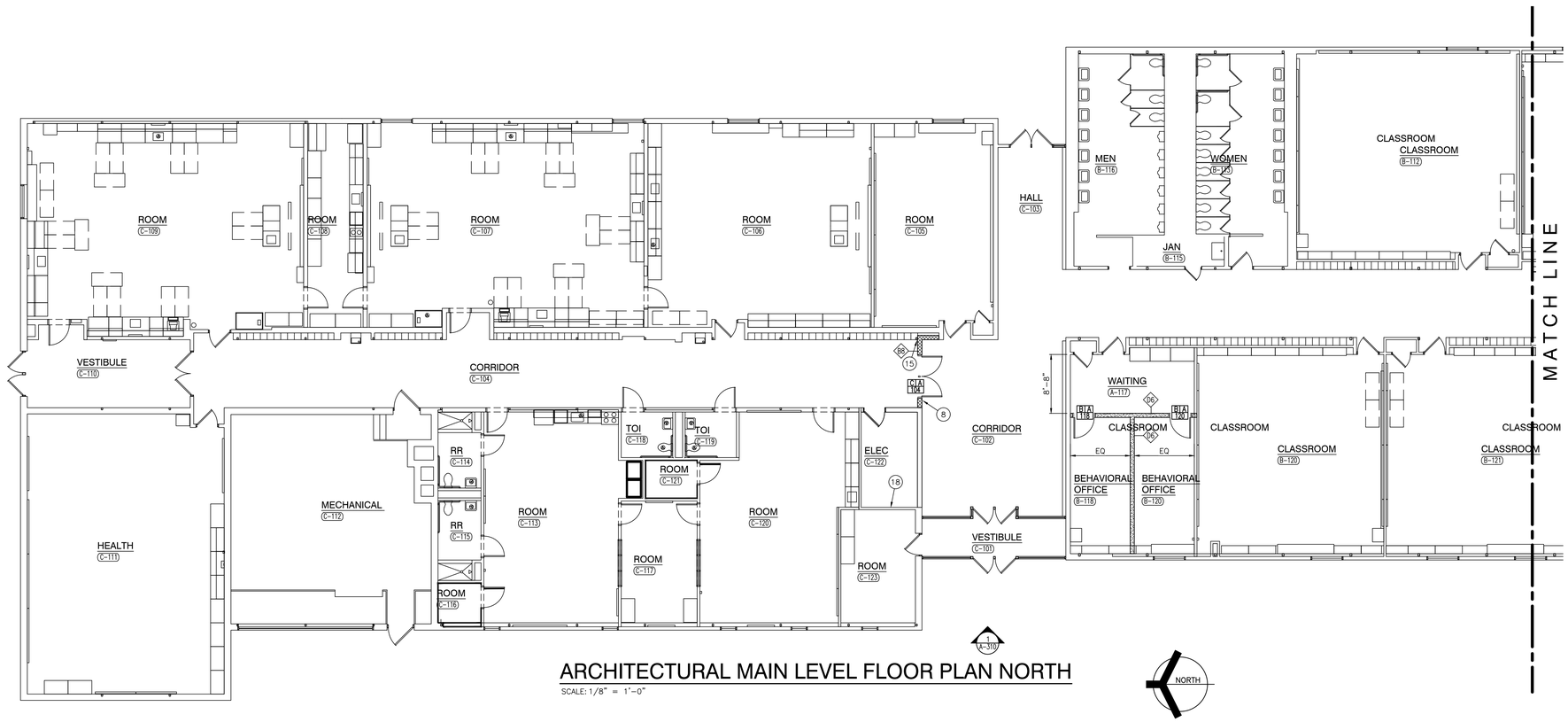
MARK	DATE	ISSUED FOR
AD-2	5/5/22	ADDENDUM NO. 2

DRAWING
ARCHITECTURAL LOWER LEVEL FLOOR PLAN

PROJECT
NEW ADMINISTRATION CENTER, ALTERNATIVE EDUCATION & RESOURCE CENTER, AND RELATED WORK

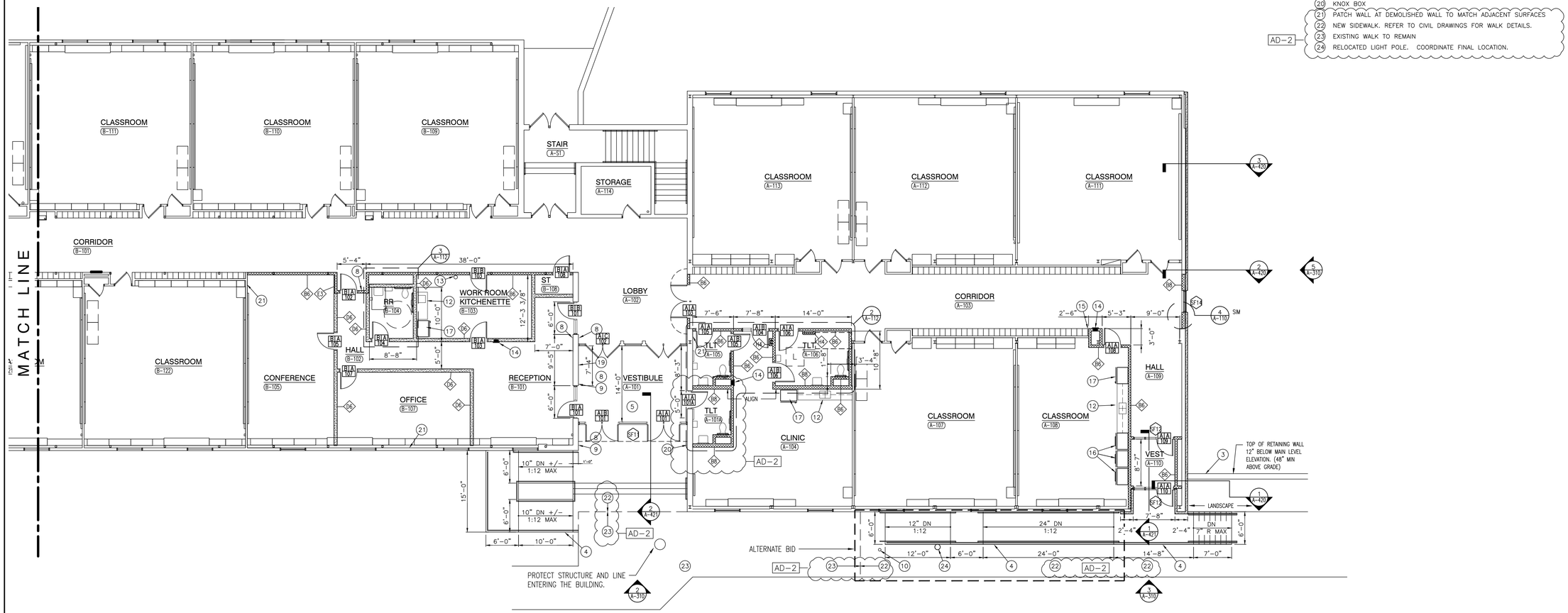
SHEET
AR A-110

Thursday, 5/5/2022 - 11:31 AM - LAST SAVED BY:EMCCAULEY
Y:\21-115 CROWN POINT CSC - NEW ADMIN CENTER, ALTERNATIVE SCHOOL, AND RELATED WORK\21-115 DRAWINGS - ALTERNATIVE ED\DS ARCH\A-110.DWG



ARCHITECTURAL MAIN LEVEL FLOOR PLAN NORTH

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



ARCHITECTURAL MAIN LEVEL FLOOR PLAN SOUTH

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

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) AS REQUIRED 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. ALL EXPOSED CONCRETE MASONRY UNITS (CMU) CORNERS ARE TO BE BULLNOSED, 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 DEMOLITION SHEETS FOR ADDITIONAL PATCHING AND REPAIR WORK.

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

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

O. REFER TO EQUIPMENT PLANS FOR REFERENCE TO ENLARGED TOILET ROOM PLANS AND TOILET ACCESSORIES.

PLAN LEGEND:

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

PLAN NOTES:

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

1. CONCRETE STOOP.
2. BARRIER CURB. REFER TO CIVIL SHEETS.
3. RETAINING WALL. REFER TO DETAIL 3/S-111.
4. CONCRETE RAMP/STAIR WITH METAL RAILINGS. REFER TO SHEET A-430.
5. CONCRETE SLAB.
6. CONCRETE SLAB OVER EXISTING SLAB.
7. EXISTING SLAB. PATCH CONCRETE AND VCT WHERE WALLS WERE REMOVED.
8. CARD/FOB READER. REFER TO ELECTRICAL/TECHNOLOGY SHEETS.
9. AI DEVICE. REFER TO ELECTRICAL/TECHNOLOGY SHEETS.
10. 6" PIPE BOLLARD. REFER TO SHEET G-301
11. CABINET HEATER. REFER TO MECHANICAL PLANS.
12. NEW CASEWORK. REFER TO EQUIPMENT PLAN.
13. WALL MOUNTED FIRE EXTINGUISHER.
14. SEMI RECESSED FIRE EXTINGUISHER CABINET.
15. SALVAGED LOCKER TRIM
16. RANGE AND HOOD (OFOI).
17. REFRIGERATOR (OFOI)
18. FIRE ALARM CONTROL PANEL, REFER TO ELECTRICAL DRAWINGS.
19. FIRE ALARM ANNUNCIATOR PANEL, REFER TO ELECTRICAL DRAWINGS.
20. KNOX BOX
21. PATCH WALL AT DEMOLISHED WALL TO MATCH ADJACENT SURFACES
22. NEW SIDEWALK. REFER TO CIVIL DRAWINGS FOR WALK DETAILS.
23. EXISTING WALK TO REMAIN
24. RELOCATED LIGHT POLE. COORDINATE FINAL LOCATION.

AD-2

GIBRALTAR DESIGN
ARCHITECTURE • ENGINEERING • INTERIOR DESIGN

PROJECT
NEW ADMINISTRATION CENTER, ALTERNATIVE EDUCATION & RESOURCE CENTER, AND RELATED WORK

CROWN POINT COMMUNITY SCHOOL CORPORATION
CROWN POINT, INDIANA

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PROJECT 21-115
DATE 04/15/22
COORDINATED BY EJM
DRAWN BY EJM
CHECKED BY EJM

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

REVISIONS

MARK	DATE	ISSUED FOR
AD-2	5/5/22	ADDENDUM NO. 2

DRAWING
ARCHITECTURAL MAIN LEVEL FLOOR PLAN

PROJECT
NEW ADMINISTRATION CENTER, ALTERNATIVE EDUCATION & RESOURCE CENTER, AND RELATED WORK

SHEET
AR A-111

Thursday, 5/5/2022 - 11:47 AM - LAST SAVED BY:EMCCAULEY
Y:\21-115 CROWN POINT CSC - NEW ADMIN CENTER, ALTERNATIVE SCHOOL, AND RELATED WORK\21-115 DRAWINGS - ALTERNATIVE ED\DS ARCH\A-111.DWG

GENERAL RESTROOM PLAN NOTES:

A. FOR GENERAL NOTES, MATERIAL INDICATIONS LEGEND, SYMBOL LEGEND, ABBREVIATIONS, ETC. SEE SHEET G1201.

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.

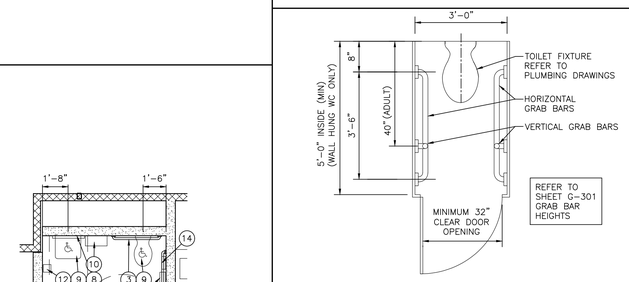
E. COORDINATE HEIGHT OF GRAB BAR WITH TANK OF FLOOR MOUNTED WATER CLOSET OR FLUSH VALVE OF WALL MOUNTED WATER CLOSET.

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

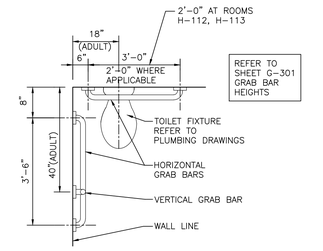
RESTROOM PLAN NOTES:

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

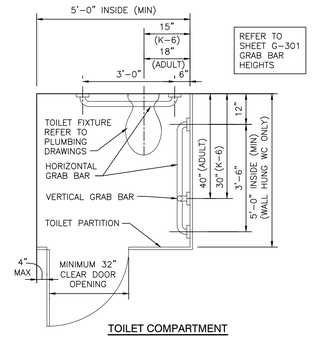
1. ACCESSIBLE FACILITIES. (1 / A-112)
2. TOILET PAPER HOLDER. (OFCI)
3. 3'-0" HANDICAPPED GRAB BAR. (1 / G-301)
4. 3'-6" HANDICAPPED GRAB BAR. (1 / G-301)
5. 18" VERTICAL HANDICAPPED GRAB BAR. (1 / G-301)
6. NOTE USED
7. NOTE USED
8. 2'-0" W x 3'-0" H MIRROR WITH BOTTOM OF REFLECTIVE SURFACE MOUNTED AT 40"A.F.F.
9. ACCESSIBLE FIXTURE (LAVATORY/URNAL). SEE PLUMBING DRAWINGS.
10. PAPER TOWEL DISPENSER. (OFCI)
11. 24"x24" ACCESS PANEL. MOUNT TOP OF PANEL AT 5'-4" A.F.F. COORDINATE LOCATION W/ SENSOR HEIGHT.
12. SOAP DISPENSER. (OFCI)
13. FLOOR DRAIN. SEE PLUMBING DRAWINGS.
14. FEMININE NAPKIN DISPOSAL.
15. FEMININE NAPKIN DISPENSER.
16. 2'-0" x 5'-0" MIRROR BOTTOM @ 1'-4" A.F.F.



3'-0" WIDE STALL



SINGLE USER TOILET ROOM

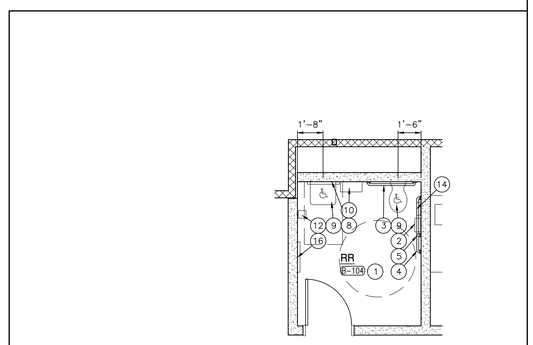


TOILET COMPARTMENT

ACCESSIBLE FACILITIES

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

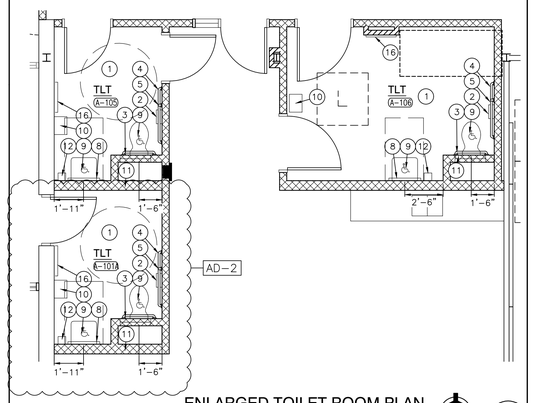
(1 / A-112)



ENLARGED TOILET ROOM PLAN

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

(3 / A-112)



ENLARGED TOILET ROOM PLAN

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

(2 / A-112)

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PROJECT

NEW ADMINISTRATION CENTER, ALTERNATIVE EDUCATION & RESOURCE CENTER, AND RELATED WORK

CROWN POINT COMMUNITY SCHOOL CORPORATION
CROWN POINT, INDIANA

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PROJECT 21-115
DATE 04/15/22
COORDINATED BY EJM
DRAWN BY EJM NW
CHECKED BY EJM

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

REVISIONS

MARK	DATE	ISSUED FOR
AD-2	5/5/22	ADDENDUM NO. 2

DRAWING
ENLARGED TOILET ROOM PLANS AND DETAILS

PROJECT
NEW ADMINISTRATION CENTER, ALTERNATIVE EDUCATION & RESOURCE CENTER, AND RELATED WORK

SHEET AR A-112

Wednesday, 5/4/2022 - 11:06 PM - LAST SAVED BY:EMCCAULEY
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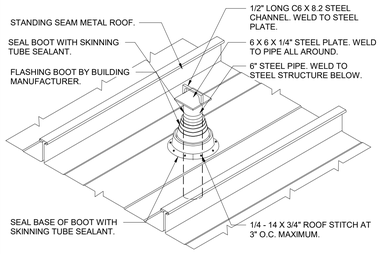
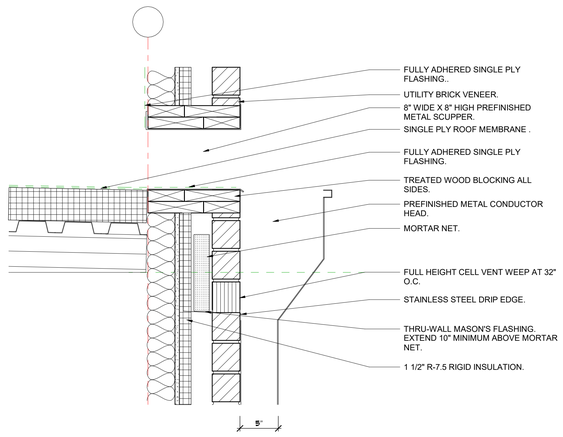
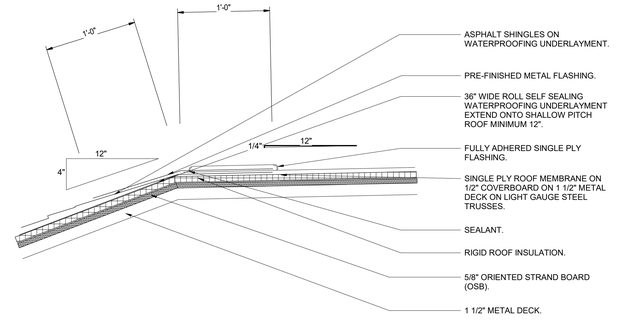


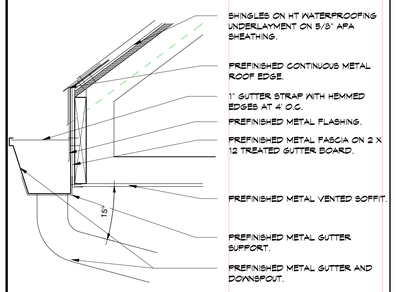
3 A-202 **DETAIL: DAVIT**
Scale: NONE



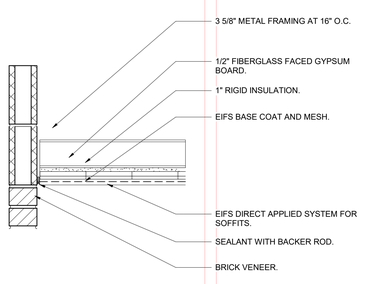
2 A-202 **DETAIL: SCUPPER AND CONDUCTOR HEAD**
Scale: 1 1/2" = 1'-0"



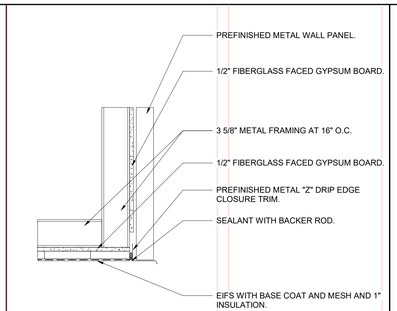
1 A-202 **SINGLE PLY TO SHINGLE TIE-IN**
1 1/2" = 1'-0"



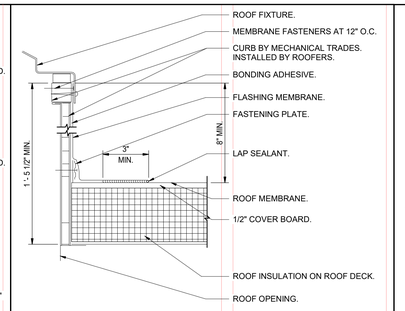
5 A202 **DETAIL: GUTTER**
Scale: 1 1/2" = 1'-0"



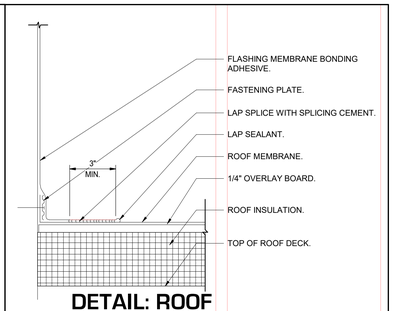
6 A-202 **DETAIL: EIFS TO BRICK**
1 1/2" = 1'-0"



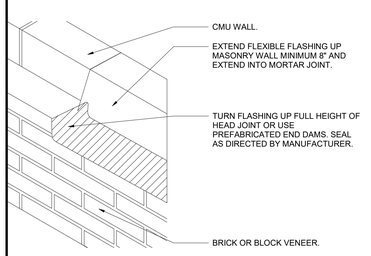
4 A-202 **DETAIL: METAL FASCIA TO EIFS**
1 1/2" = 1'-0"



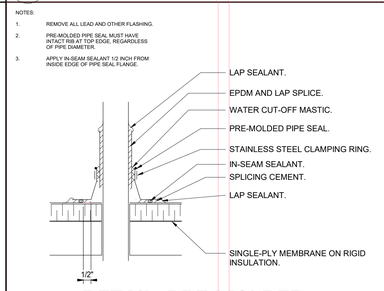
11 A202 **DETAIL: ROOF CURB FLASHING**
Scale: 3" = 1'-0"



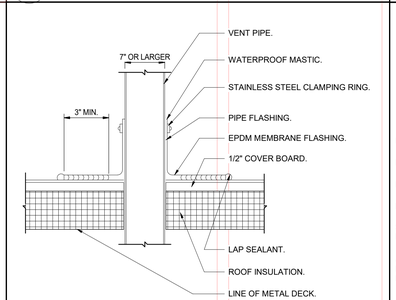
14 A202 **DETAIL: ROOF TO WALL FLASHING**
Scale: 3" = 1'-0"



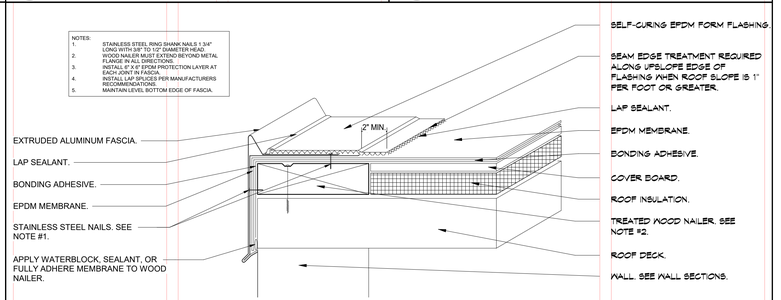
7 A202 **DETAIL: MASON'S FLASHING END DAM**
Scale: NONE



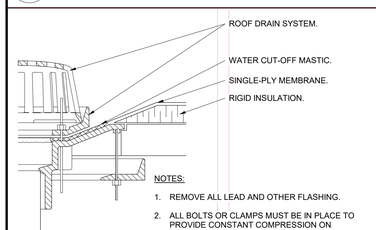
8 A202 **DETAIL: PRE-MOLDED VENT PIPE AND EXTENSION**
Scale: NONE



12 A202 **DETAIL: VENT FLASHING**
Scale: 3" = 1'-0"

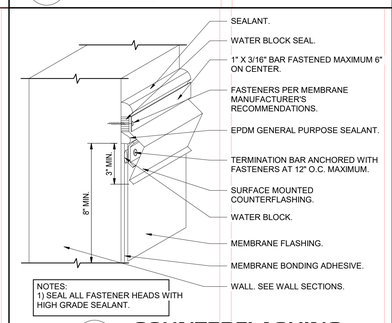


15 A202 **ISOMETRIC ROOF EDGE DETAIL**
Scale: 3" = 1'-0"



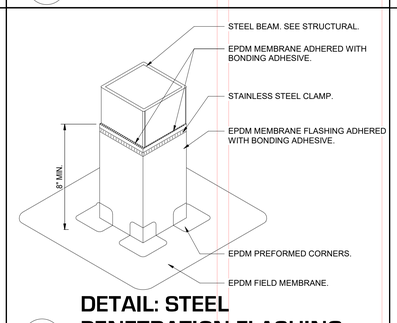
NOTES:
1. REMOVE ALL LEAD AND OTHER FLASHING.
2. ALL BOLTS OR CLAMPS MUST BE IN PLACE TO PROVIDE CONSTANT COMPRESSION ON WATER CUT-OFF MASTIC.
3. HOLE IN MEMBRANE MUST EXCEED SIZE OF DRAIN PIPE.
4. INSULATION TAPER SHALL NOT BE STEEPER THAN 1" (VERTICAL) IN 2" (HORIZONTAL).

9 A202 **DETAIL: ROOF DRAIN**
Scale: NONE



NOTES:
1) SEAL ALL FASTENER HEADS WITH HIGH GRADE SEALANT.

10 A202 **COUNTERFLASHING**
Scale: 3" = 1'-0"



13 A202 **DETAIL: STEEL PENETRATION FLASHING**
Scale: 3" = 1'-0"

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PROJECT:

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PROJECT

DATE
04/15/22
COORDINATED BY
Designer
DRAWN BY
Author
CHECKED BY
jkf

JOSEPH P. BRUCE REGISTERED NO. 11600109 STATE OF INDIANA

REVISIONS

MARK	DATE	ISSUED FOR

DRAWING
ROOF DETAILS

PROJECT
NEW ADMINISTRATION CENTER, ALTERNATIVE EDUCATION & RESOURCE CENTER, AND RELATED WORK

SHEET
AD
A-202

5/5/2022 4:10:58 PM
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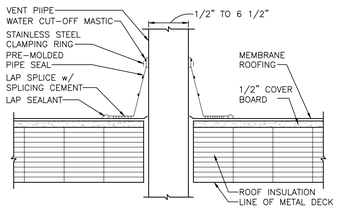
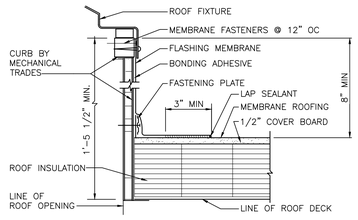


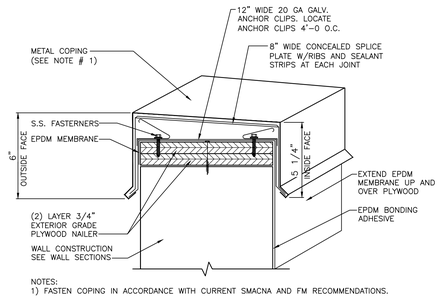
VENT FLASHING DETAIL
3" = 1'-0"

4 A-210



ROOF CURB FLASHING DETAIL
3" = 1'-0"

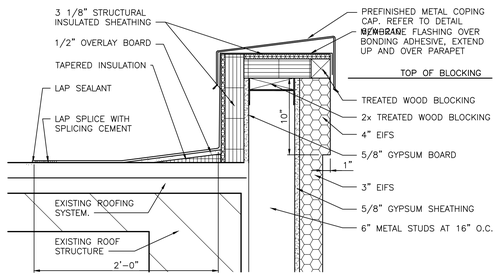
5 A-210



NOTES:
1) FASTEN COPING IN ACCORDANCE WITH CURRENT SMACNA AND FM RECOMMENDATIONS.

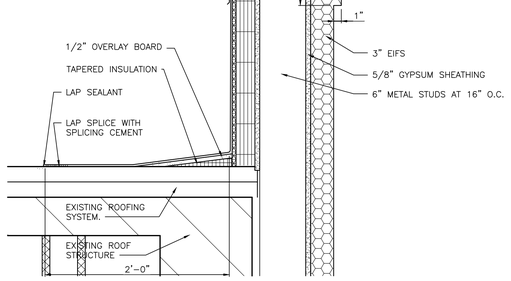
COPING CAP DETAIL
3" = 1'-0"

6 A-210



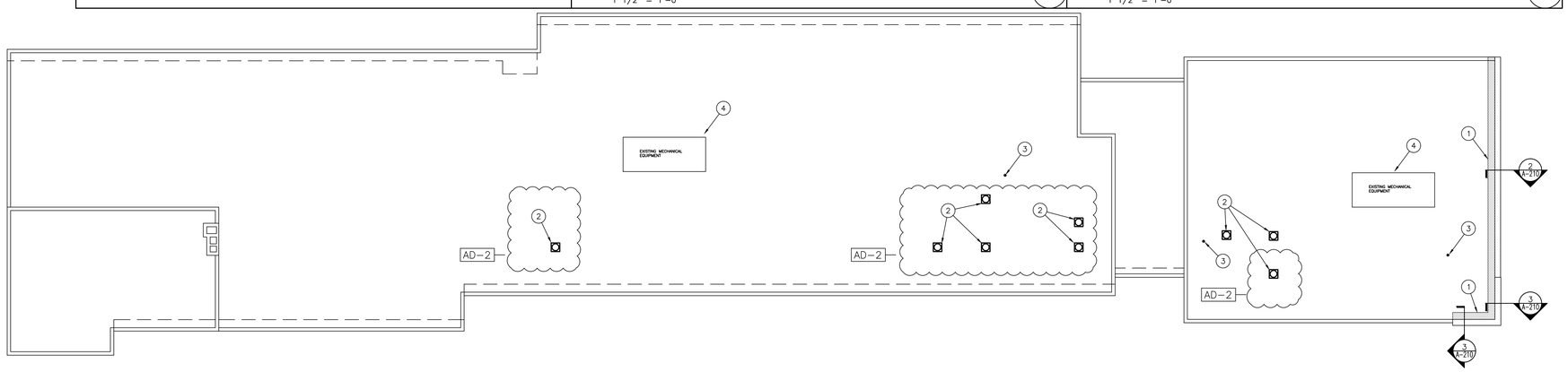
PARAPET
1 1/2" = 1'-0"

2 A-210



PARAPET
1 1/2" = 1'-0"

3 A-210



ARCHITECTURAL ROOF PLAN
SCALE: 1/16" = 1'-0"

NORTH

GENERAL ROOF PLAN NOTES:

A. FOR GENERAL NOTES, MATERIAL INDICATIONS LEGEND, SYMBOL LEGEND, ABBREVIATIONS, ETC. SEE SHEET G-301.

B. THERE MAY BE LOCATIONS ON NEW AND/OR EXISTING ROOF WHERE THE ROOF DECK MAY NOT BE STRUCTURALLY SOUND. CONTRACTORS SHOULD USE EXTREME CAUTION IN WORKING THESE ROOF AREAS TO MAINTAIN SAFE WORKING CONDITIONS.

C. 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.

D. THE ROOFING INSTALLER SHALL BE RESPONSIBLE FOR THE REPAIR OR REPLACEMENT OF ALL DAMAGE CAUSED BY THE IMPROPER STORAGE OR STACKING OF ROOFING MATERIALS.

E. ALL DIMENSIONS INDICATED ON THE ROOF PLAN ARE APPROXIMATE. THE ROOFING INSTALLER IS RESPONSIBLE FOR OBTAINING ACCURATE FIELD MEASUREMENTS FOR THE EXECUTION OF HIS WORK AND PRIOR TO ANY FABRICATION OF THE VARIOUS MATERIALS.

F. THE ROOFING INSTALLER SHALL PROTECT ALL ROOF DRAINS, SCUPPERS AND DOWNSPOUTS FROM DEBRIS CREATED DURING DEMOLITION AND/OR NEW CONSTRUCTION. THE ROOFING INSTALLER SHALL INSPECT AND CLEAR ALL DRAINS, SCUPPERS AND DOWNSPOUTS PRIOR TO COMPLETION OF WORK AND TO ENSURE THAT THEY ARE FREE OF DEBRIS AND ARE FUNCTIONING PROPERLY.

G. FOR LOCATION AND QUANTITY OF ALL ROOFTOP MECHANICAL EQUIPMENT, REFER TO MECHANICAL DRAWINGS.

H. FOR LOCATION OF ALL NEW AND/OR EXISTING PLUMBING VENTS, REFER TO MECHANICAL ROOF PLANS.

I. EXTEND ALL PLUMBING VENTS SO THAT THE TOP IS A MINIMUM OF 12" ABOVE THE ROOFING MEMBRANE.

J. PROVIDE FLASHING AND SADDLES FOR ALL EQUIPMENT PROVIDED UNDER MECHANICAL.

K. PROVIDE FLASHING OF ALL VENTS, FAN CURBS, MASONRY WALLS, FLUES, DRAINS, FASCIAS, ETC. IN ACCORDANCE WITH THESE DRAWINGS AND SPECIFICATIONS, AND WITH ROOFING MANUFACTURERS STANDARD DETAILS AND SPECIFICATIONS.

L. CONTRACTOR TO PROVIDE CRICKETS AND/OR ROOF SADDLES AS REQUIRED TO PROMOTE POSITIVE DRAINAGE AROUND ALL ROOF TOP PENETRATIONS.

M. SADDLES AND TAPERED INSULATION SYMBOLS INDICATE DESIGN INTENT TO SLOPES TO DRAIN. ROOFING INSTALLER SHALL PROVIDE SUBMITTAL DRAWINGS FOR TAPERED INSULATION AND SADLES TO ENSURE POSITIVE SLOPE.

N. ALL NEW WOOD BLOCKING AND NAILERS SHALL BE FIRE/MOISTURE TREATED WOOD.

O. ANCHOR ALL ROOFING EDGE WOOD BLOCKING AND STRUCTURAL INSULATED SHEATHING FOR COPINGS, FASCIA, AND EXPANSION JOINT COMPRESSIBLE TUBES AS REQUIRED TO CONFORM TO STATE AND LOCAL CODES.

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

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

R. 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:

EXHAUST FAN — 5/A-210 • PLUMBING VENT — 4/A-210

INDICATES ROOF SLOPE

HATCH PATTERN INDICATES NEW ROOF AND/OR FLASHING MEMBRANE TO OVERLAP AND TIE INTO EXISTING ROOF MEMBRANE AS REQUIRED TO MAINTAIN EXISTING ROOF WARANTY

ROOF PLAN NOTES:

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

1. LAP NEW ROOF MEMBRANE OVER EXISTING ROOF MEMBRANE AND ADHERE AS REQUIRED TO MAINTAIN EXISTING ROOF WARRANTY.
2. MECHANICAL UNIT – REFER TO MECHANICAL DRAWINGS. FLASH CURB PER ROOFING MANUFACTURERS STANDARD DETAILS AND SPECIFICATIONS
3. ROOF VENT. REFER TO PLUMBING DRAWINGS FOR LOCATION AND QUANTITY.
4. EXISTING MECHANICAL UNIT TO REMAIN

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PROJECT 21-115
DATE 04/15/22
COORDINATED BY EJM
DRAWN BY EJM
CHECKED BY EJM

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

REVISIONS

MARK	DATE	ISSUED FOR
AD-2	5/5/22	ADDENDUM NO. 2

DRAWING
ROOF PLAN AND DETAILS

PROJECT
NEW ADMINISTRATION CENTER, ALTERNATIVE EDUCATION & RESOURCE CENTER, AND RELATED WORK

SHEET AR A-210

Tuesday, 5/3/2022 - 10:26 AM - LAST SAVED BY:EMCCAULEY
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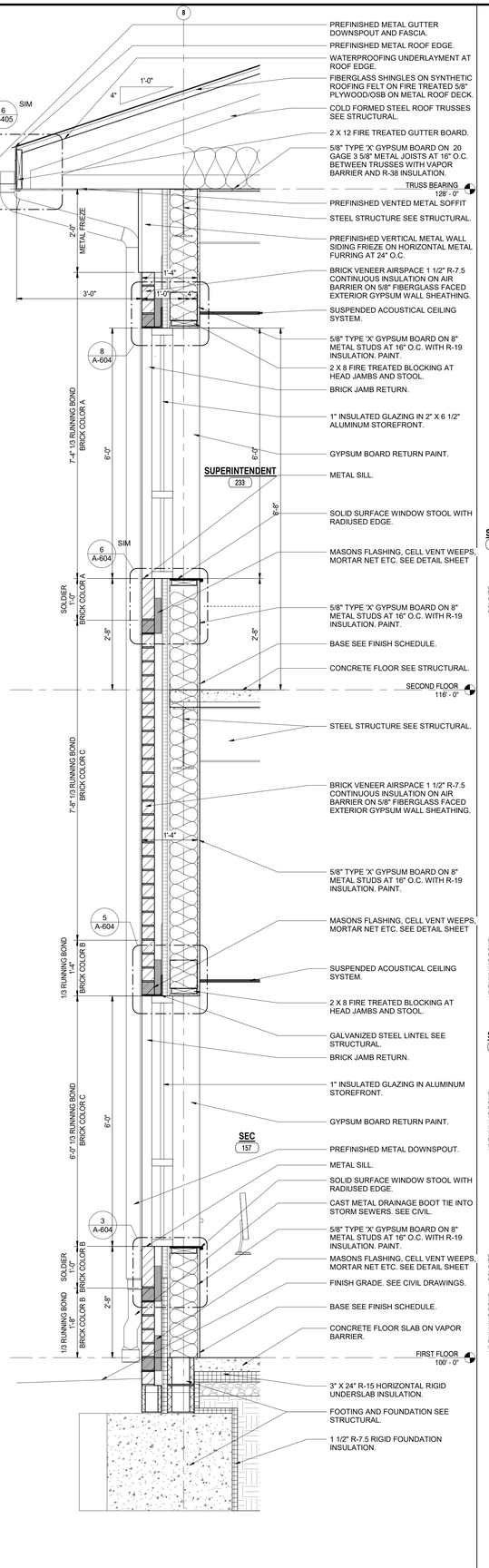
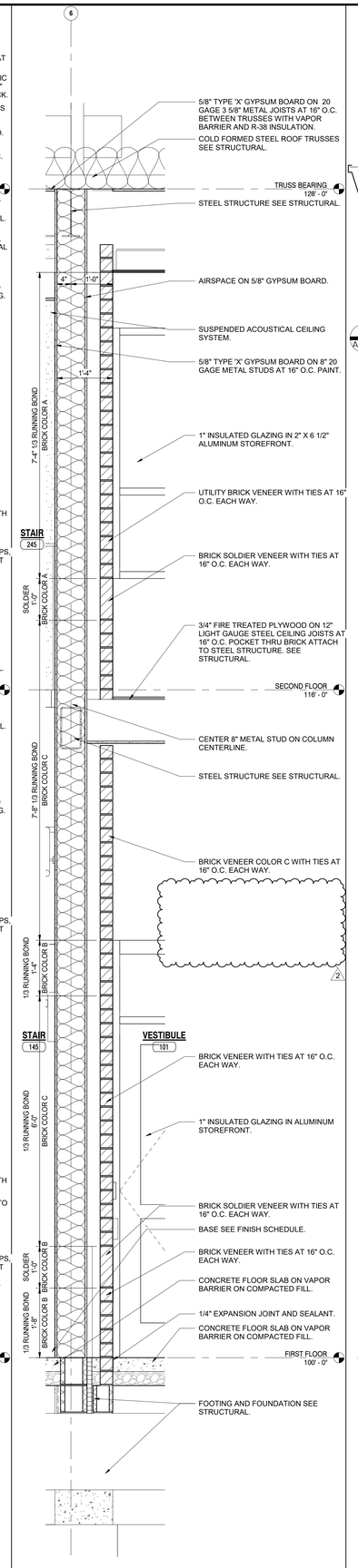
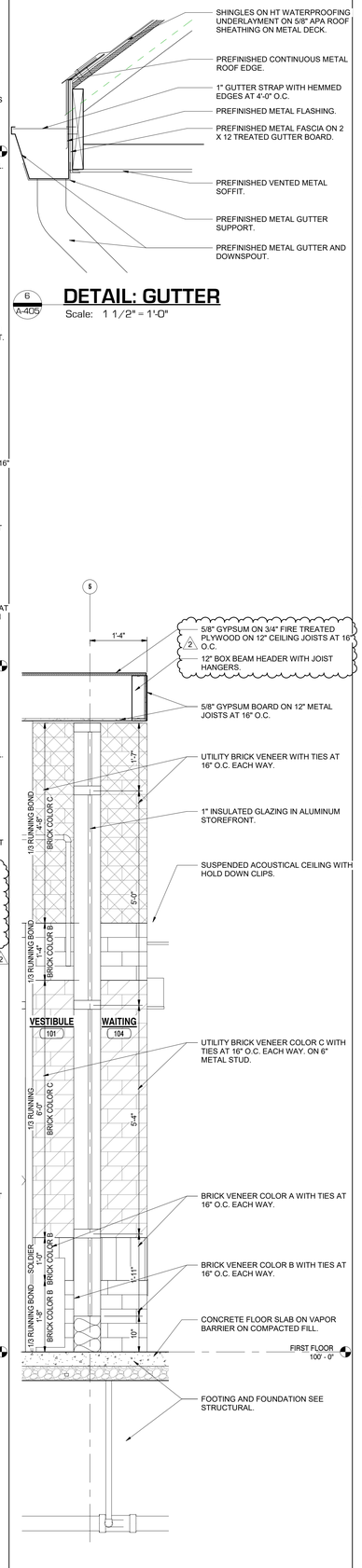


1 WALL SECTION
A-405 3/4" = 1'-0"



2 WALL SECTION
A-405 3/4" = 1'-0"



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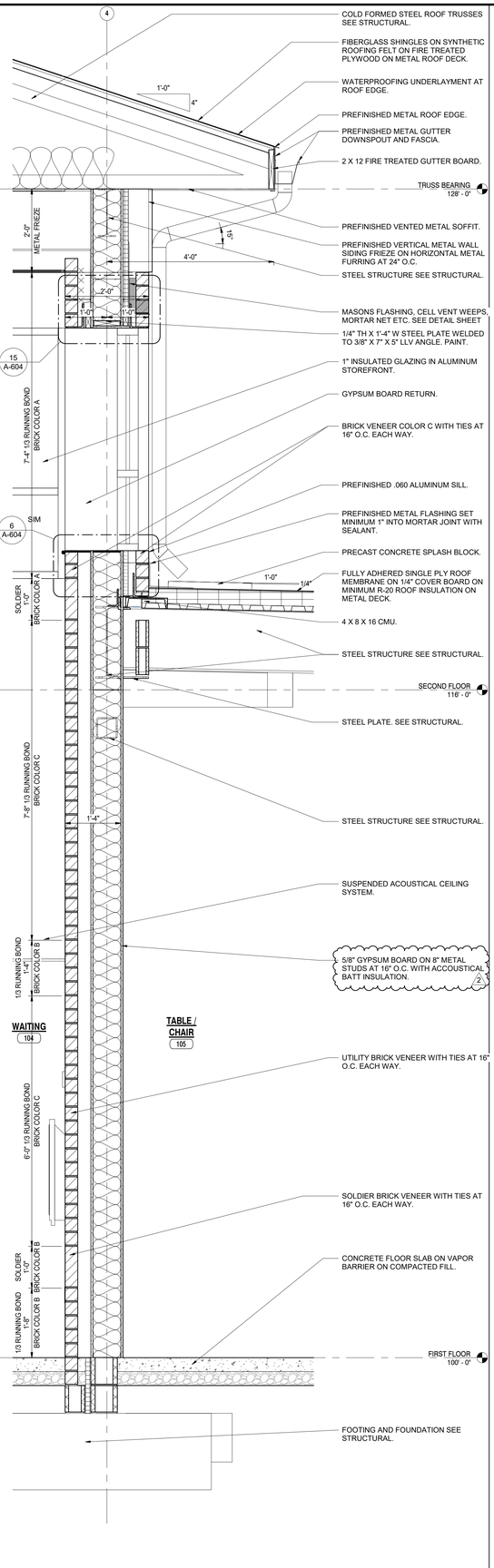
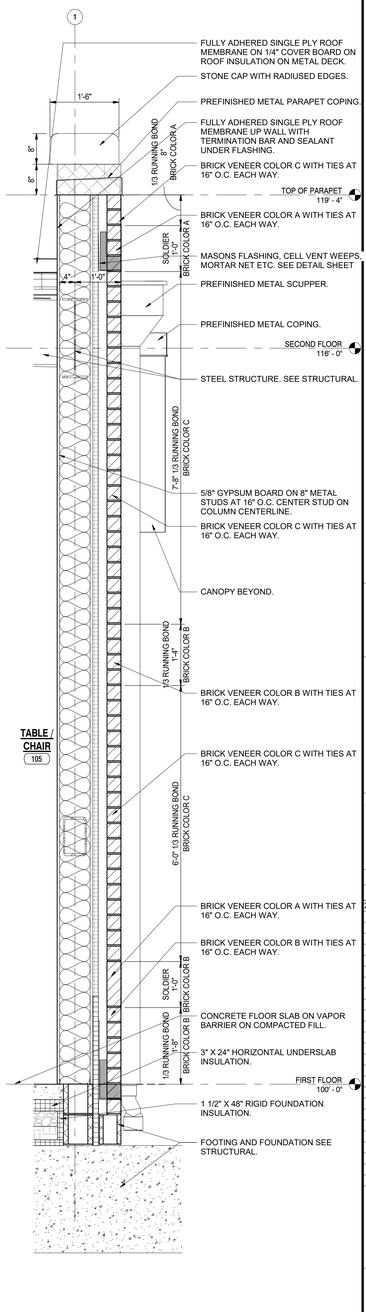


4 WALL SECTION
A-405 3/4" = 1'-0"



5 WALL SECTION
A-405 3/4" = 1'-0"

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Email: info@GibraltarDesign.com
Phone 317.580.5777 Fax 317.580.5778

PROJECT

DATE
04/15/22
COORDINATED BY
Designer
DRAWN BY
Author
CHECKED BY
Checker

JOSEPH P. BRIGG REGISTERED NO. 11600109 STATE OF INDIANA

REVISIONS

MARK	DATE	ISSUED FOR
2	05/05/2022	ADDENDUM NO. 2

DRAWING
WALL SECTIONS

PROJECT
NEW ADMINISTRATION CENTER, ALTERNATIVE EDUCATION & RESOURCE CENTER, AND RELATED WORK

AD

SHEET
A-405

5/5/2022 4:11:04 PM
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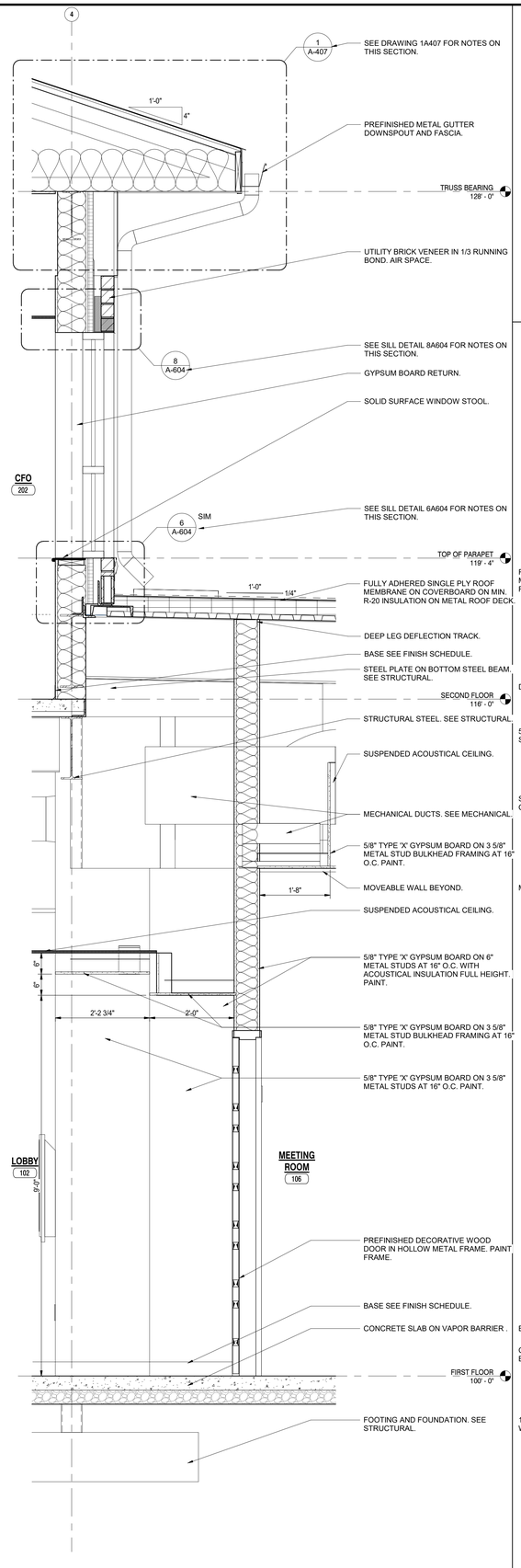

1 A-406 **WALL SECTION**
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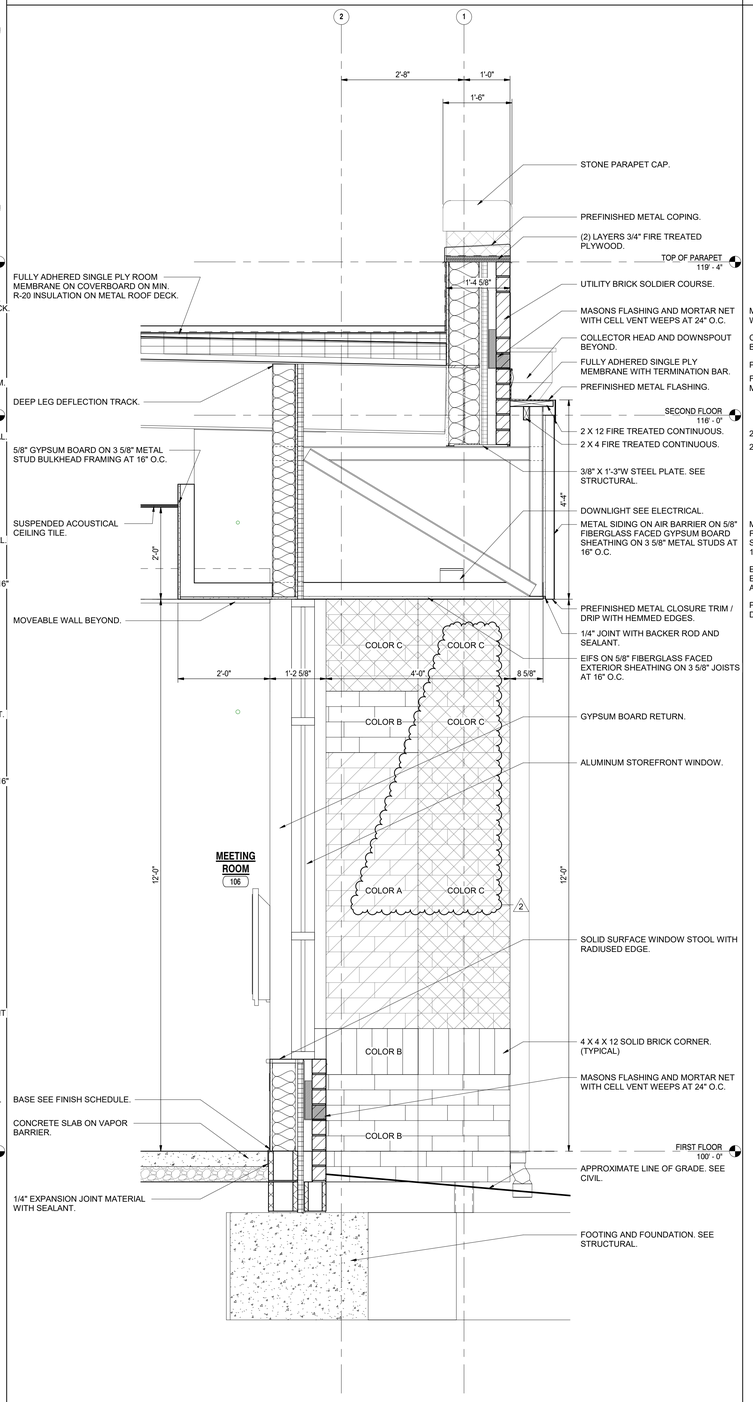

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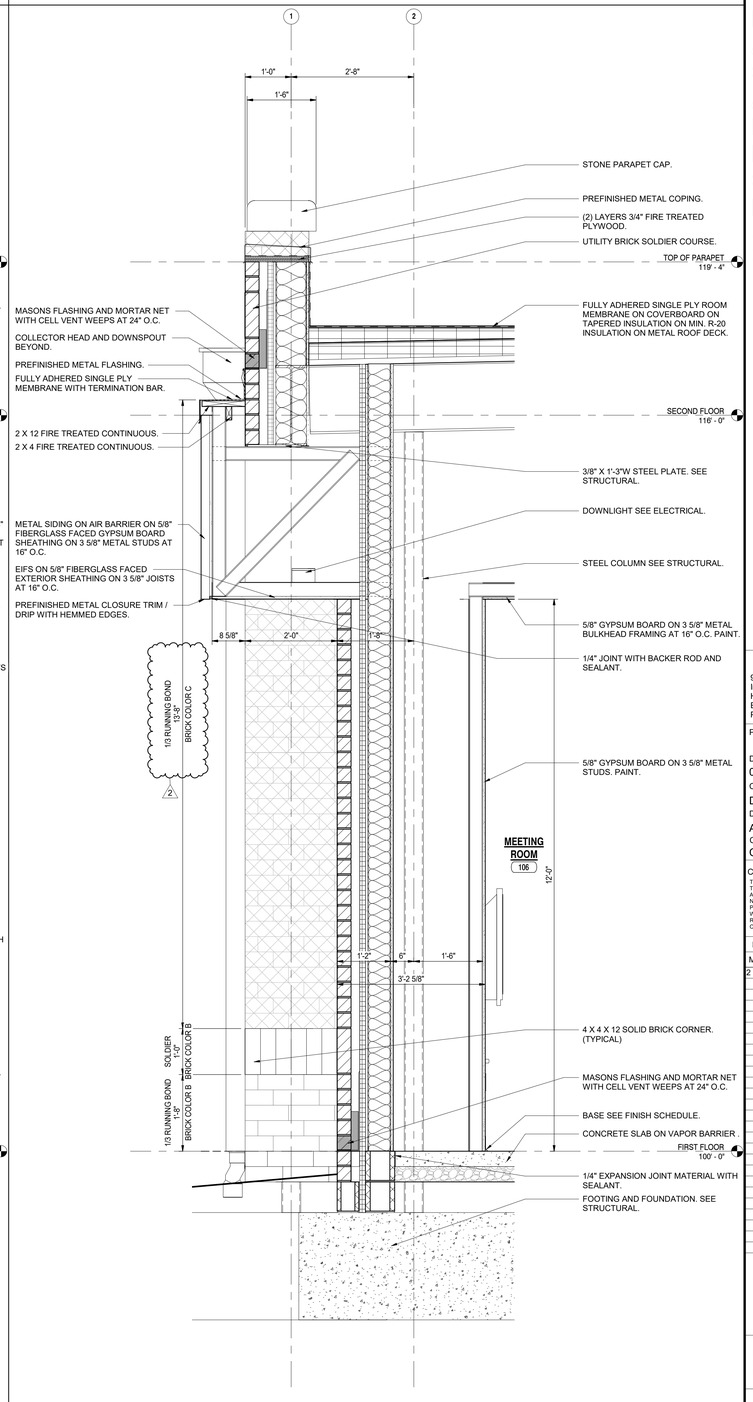

3 A-406 **WALL SECTION**
3/4" = 1'-0"

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PROJECT:

NEW ADMINISTRATION CENTER, ALTERNATIVE EDUCATION & RESOURCE CENTER, AND RELATED WORK

CROWN POINT COMMUNITY SCHOOL CORPORATION
CROWN POINT, 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

PROJECT

DATE
04/15/22
COORDINATED BY
Designer
DRAWN BY
Author
CHECKED BY
Checker

JOSEPH P. BRIGGS
REGISTERED
NO.
11600109
STATE OF
INDIANA

REVISIONS

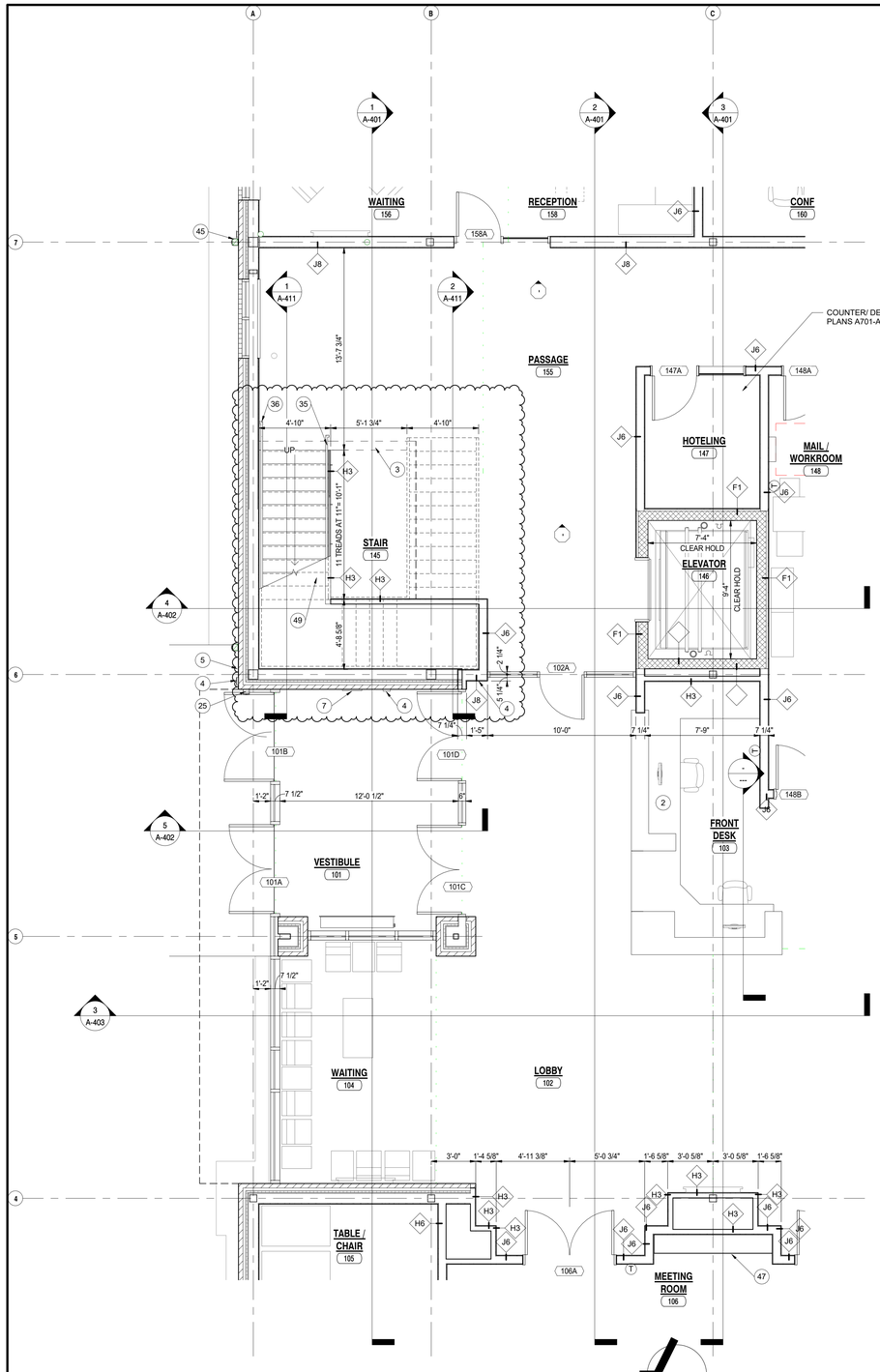
MARK	DATE	ISSUED FOR
2	05/05/2022	ADDENDUM NO. 2

DRAWING
WALL SECTIONS

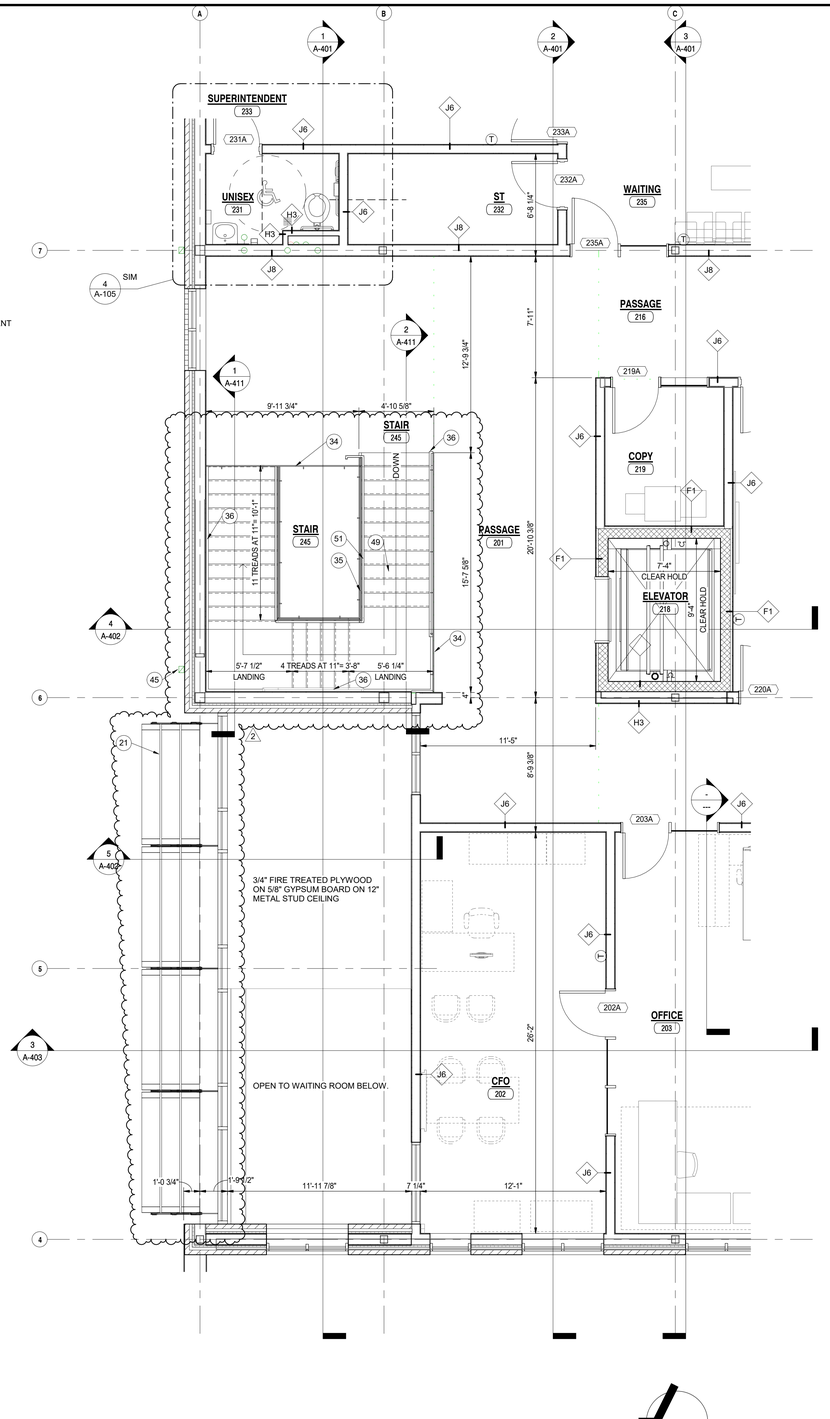
PROJECT
NEW ADMINISTRATION CENTER, ALTERNATIVE EDUCATION & RESOURCE CENTER, AND RELATED WORK

AD

SHEET
A-406



1 A-410 **ENLARGED FIRST FLOOR PLAN** 1/4" = 1'-0"



2 A-410 **ENLARGED SECOND FLOOR PLAN** 1/4" = 1'-0"

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". REFER TO SITE PLAN FOR CORRELATION TO USGS DATUM.

F. LOCATE HINGE SIDE OF DOOR JAMB AT CMU WALLS 8" MINIMUM FROM ADJACENT WALL AND LOCATE HINGE SIDE OF DOOR JAMB AT GYPSUM BOARD WALLS 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. REFER TO FINISH PLANS FOR INTERIOR ELEVATIONS AND EXTENT OF FLOOR AND WALL FINISHES.

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

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

M. REFER TO EQUIPMENT PLANS FOR REFERENCE TO ENLARGED TOILET ROOM PLANS AND TOILET ACCESSORIES.

N. FOR OVERALL BUILDING DIMENSIONS AND RELATIONSHIPS BETWEEN UNITS REFER TO SHEET A-001 AND A-002.

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.

PLAN NOTES:

1. FULLY ADHERED SINGLE PLY ROOF MEMBRANE ON TAPERED INSULATION.
2. CASEWORK AND/OR MILLWORK (TYPICAL), SEE EQUIPMENT PLANS.
3. DASHED LINE INDICATES TYPICAL BULKHEAD, REFER TO SECTIONS AND REFLECTED CEILING PLANS. (ALL BULKHEADS ARE NOT INDICATED ON THIS PLAN)
4. PUSH PAD FOR ADA OPERATOR, SEE ELECTRICAL DRAWINGS.
5. CARD/FOB READER, REFER TO ELECTRICAL/TECHNOLOGY DRAWINGS.
6. AI DEVICE, REFER TO ELECTRICAL/TECHNOLOGY DRAWINGS.
7. FIRE ALARM CONTROL PANEL, REFER TO ELECTRICAL DRAWINGS.
8. FIRE ALARM ANNUNCIATOR PANEL, REFER TO ELECTRICAL DRAWINGS.
9. MOP SINK, REFER TO PLUMBING DRAWINGS.
10. SERVICE SINK, REFER TO PLUMBING DRAWINGS.
11. WALL SINK, REFER TO PLUMBING DRAWINGS.
12. ROOF HATCH AND LADDER.
13. MASONRY SCREEN WALL WITH PREFINISHED METAL PARAPET CAP AT MECHANICAL YARD AND DUMPSTER ENCLOSURE. SEE SHEET A107 FOR DETAILS. SEE CIVIL FOR DIMENSIONS.
14. CABINET HEATER, REFER TO MECHANICAL DRAWINGS.
15. ROOF CONDUCTOR, REFER TO PLUMBING DRAWINGS.
16. LINE OF CANOPY ABOVE, REFER TO SECTIONS.
17. ROOF DRAIN TIE INTO DOWNSPOUT.
18. 6" PIPE BOLLARD, REFER TO CIVIL DRAWINGS.
19. DATE STONE AND TIME CAPSULE.
20. FIRE EXTINGUISHER AND WALL MOUNT BRACKET. REFER TO EQUIPMENT PLANS.
21. SUNSHADE CANOPY.
22. ROOF BELOW, REFER TO ROOF PLAN.
23. FIRE EXTINGUISHER AND SEMI-RECESSED CABINET. REFER TO EQUIPMENT PLANS.
24. ACCESSIBLE ELECTRIC WATER COOLER WITH BOTTLE FILLER, REFER TO PLUMBING DRAWINGS.
25. KNOX BOX. COORDINATE LOCATION WITH LOCAL SERVICING FIRE DEPARTMENT.
26. PROVIDE 4" HIGH CONCRETE EQUIPMENT/HOUSE KEEPING PAD UNDER ALL EQUIPMENT IN THIS ROOM, VERIFY SIZE AND LOCATION WITH MECHANICAL AND ELECTRICAL TRADES.
27. CONCRETE EQUIPMENT PAD, VERIFY SIZE AND LOCATION WITH MECHANICAL AND ELECTRICAL TRADES. REFER TO STRUCTURAL DRAWINGS FOR DETAILS.
28. OVERFLOW ROOF DRAIN TIE INTO DOWNSPOUT.
29. CAVITY INSULATION AND MASONRY TO CONTINUE THROUGH CANOPY PLENUM. SEAL INSULATION TIGHT TO PENETRATING CANOPY BEAMS WITH FOAM INSULATION. PROVIDE MEMBRANE FLASHING OVER TOP OF BEAMS EXPOSED IN BRICK CAVITY.
30. HALF-HEIGHT WALL WITH HARDWOOD CAP.
31. PROVIDE HEAVY DUTY STIFFENERS WITHIN THE HALF HEIGHT WALL SPACE. SEE STRUCTURAL.
32. DISPLAY WALL / MONITOR (TYP), REFER TO EQUIPMENT DRAWINGS.
33. 14'-0"W x 12'-0"H PREFINISHED INSULATED OVERHEAD COILING DOOR.
34. 42" HIGH STAINLESS STEEL AND GLASS GUARDRAIL.
35. 42" HIGH STAINLESS STEEL AND GLASS GUARDRAIL WITH 1 1/2" O.D. STAINLESS STEEL HANDRAIL.
36. 1 1/2" O.D. STAINLESS STEEL HANDRAIL.
37. NOT USED.
38. NOT USED.
39. NOT USED.
40. NOT USED.
41. NOT USED.
42. NOT USED.
43. SOLID SURFACE WINDOW STOOL.
44. NOT USED.
45. PREFINISHED METAL DOWNSPOUT. TIE INTO STORM SEWER. SEE CIVIL.
46. NOT USED.
47. SHELF AND ROD MOUNTED AT 4'-0" AFF. AND 6'-8" AFF. SEE 2/A-501
48. MANUAL OPERATION FOLDING WALL SYSTEM WITH POCKET DOORS.
49. CONCRETE FILLED METAL PAN STAIRS WITH INTEGRAL CERAMIC TILE.
50. 1 1/4" I.D. STEEL PIPE GUARDRAIL.
51. 1 1/4" I.D. STEEL PIPE HANDRAIL.

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JOSEPH P. BRIGGS REGISTERED NO. 11600109 STATE OF INDIANA

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DRAWING
ENLARGED STAIR PLANS

PROJECT
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AD

SHEET
A-410

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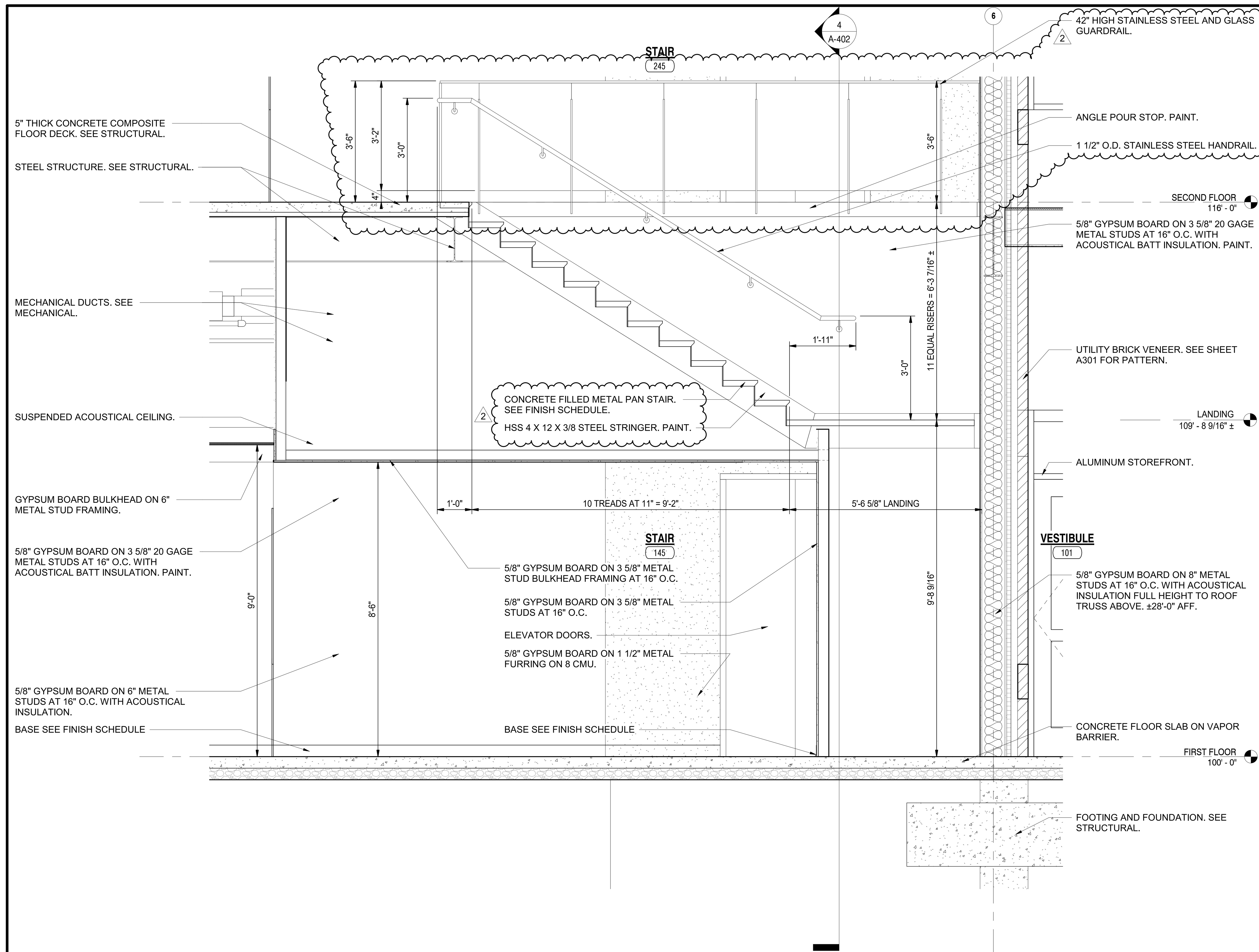
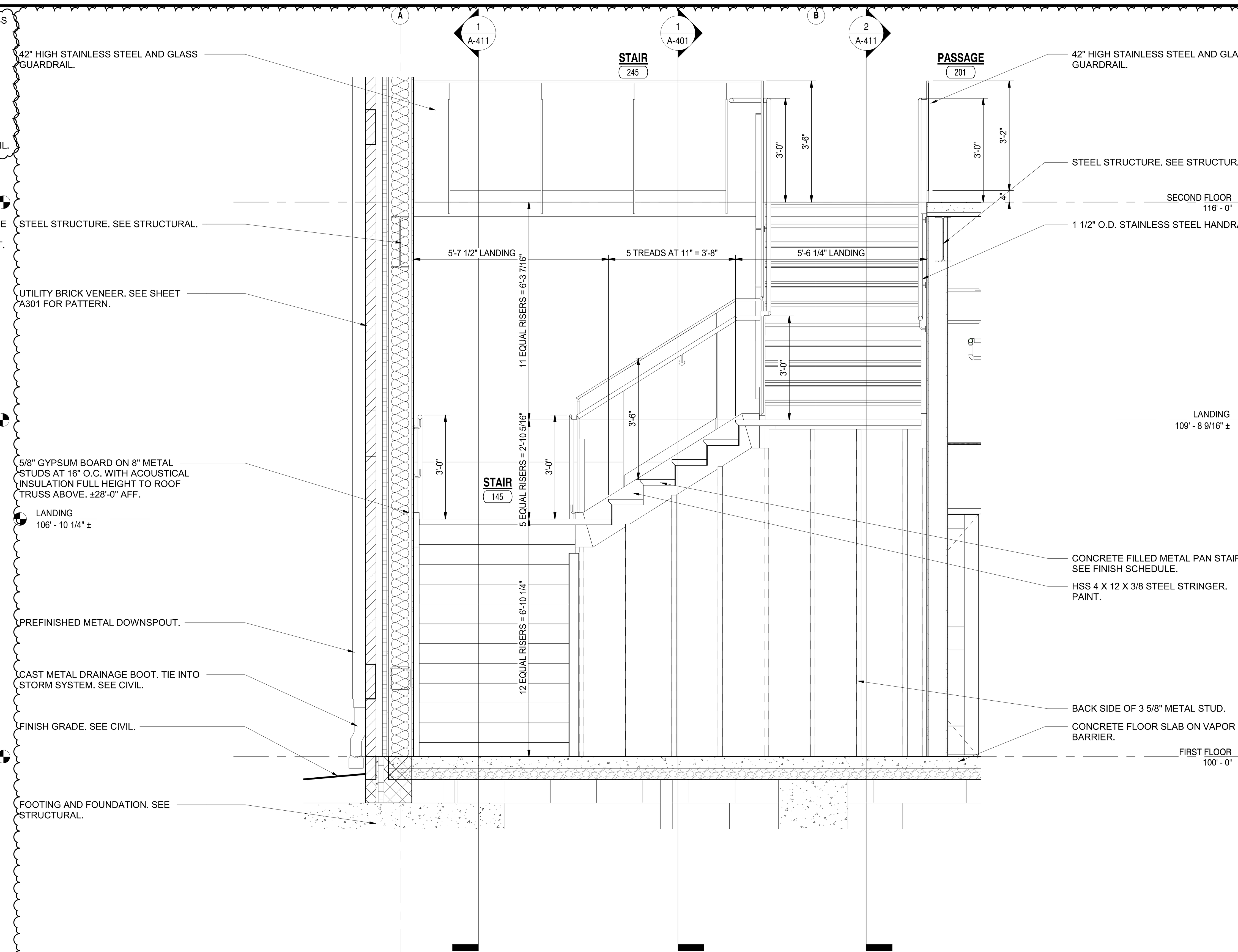


2 STAIR SECTION
A-411 1/2" = 1'-0"



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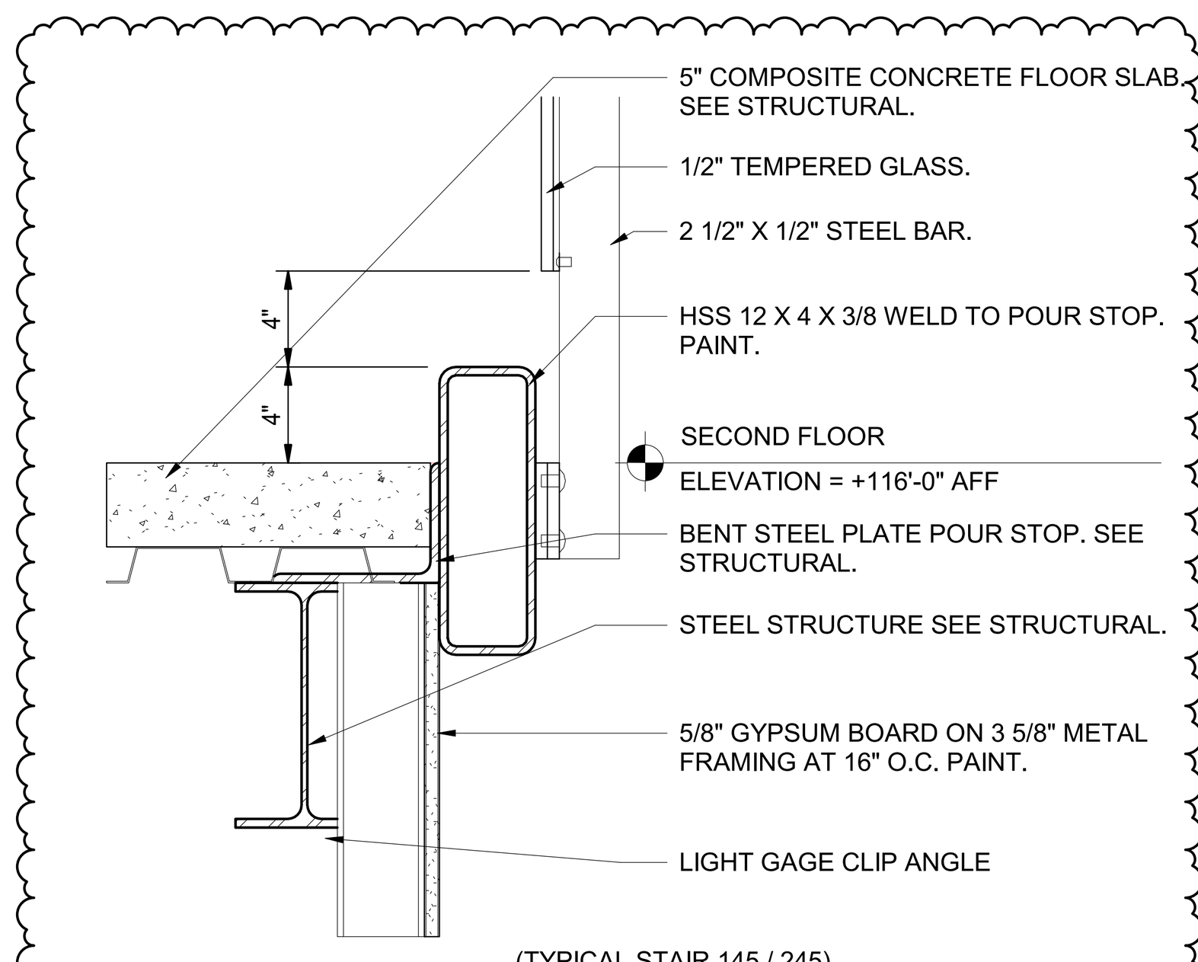
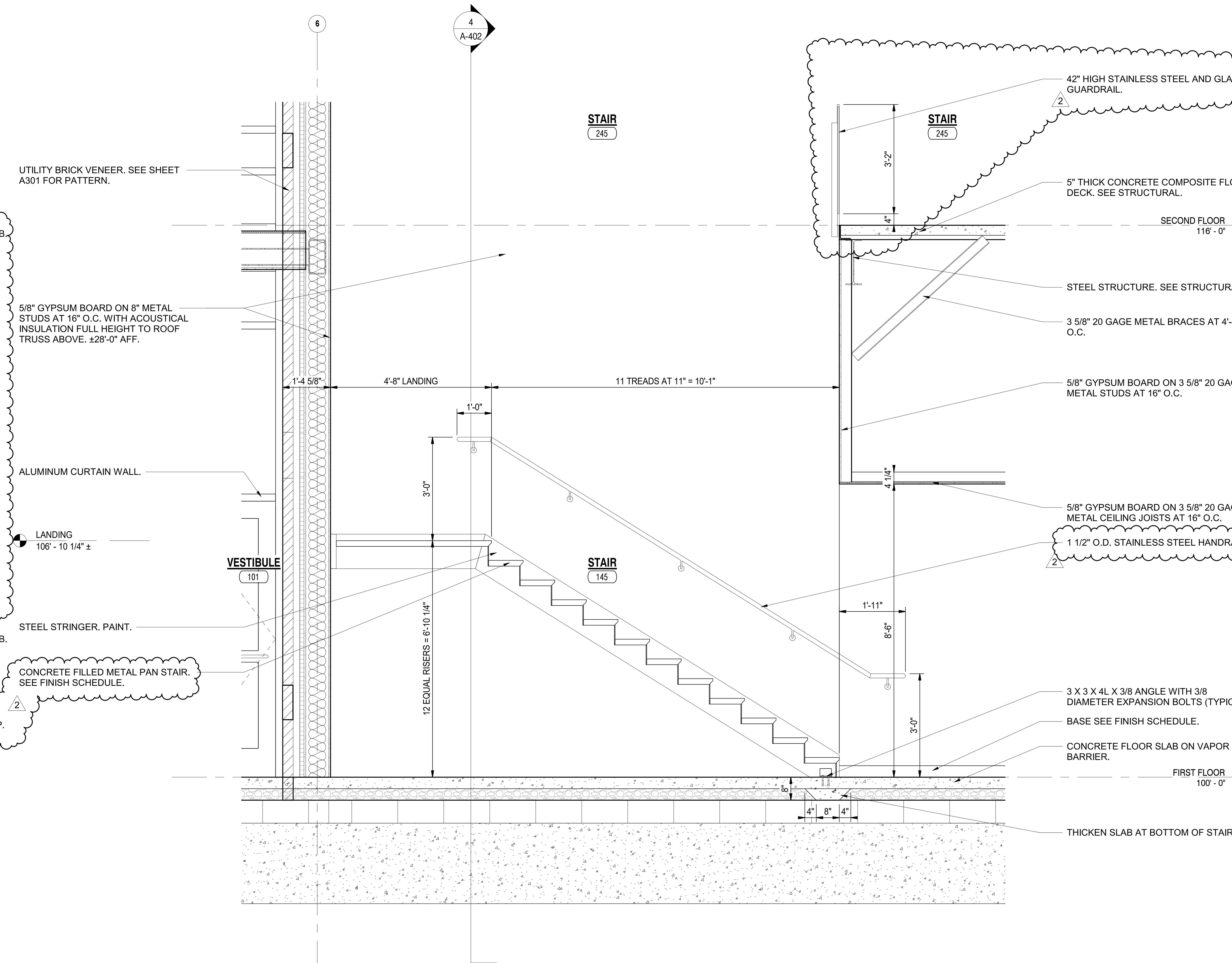
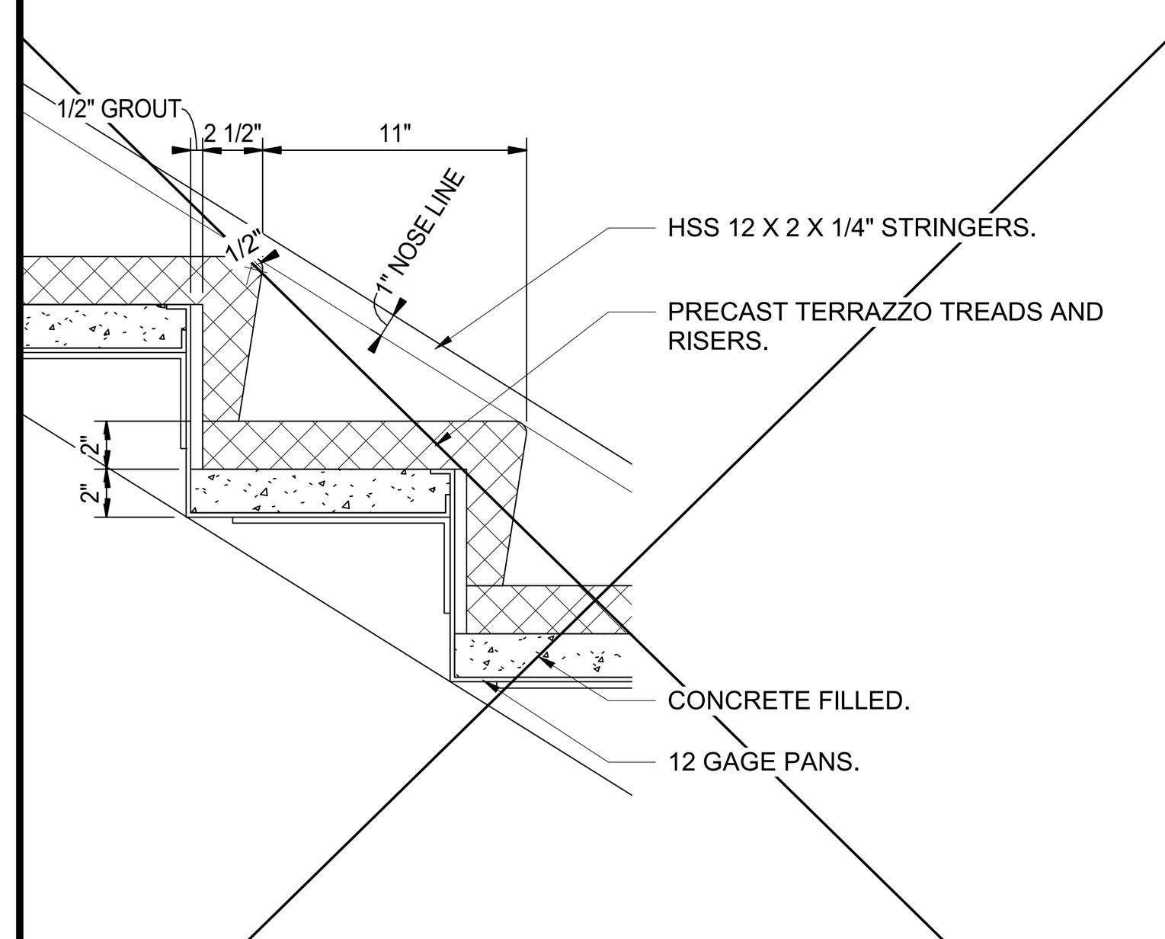
A-411 1/2" = 1'-0"



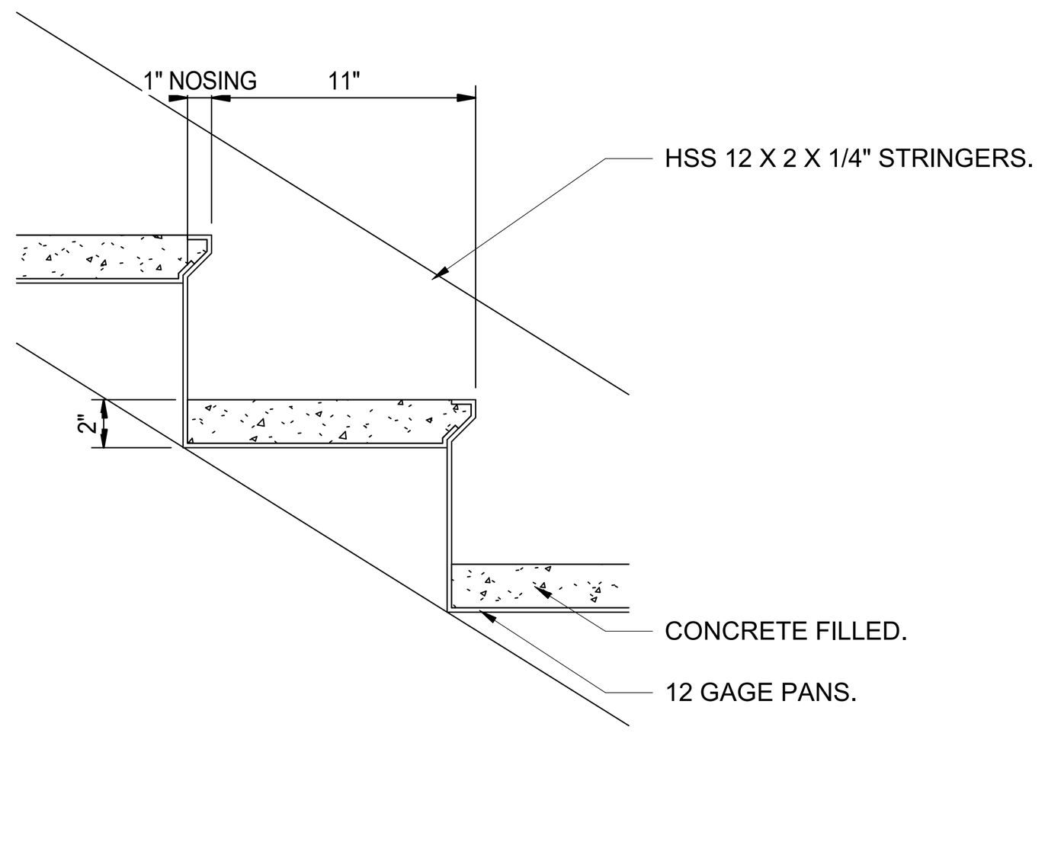
7 DETAIL SLAB EDGE / GUARD
A-411 1 1/2" = 1'-0"



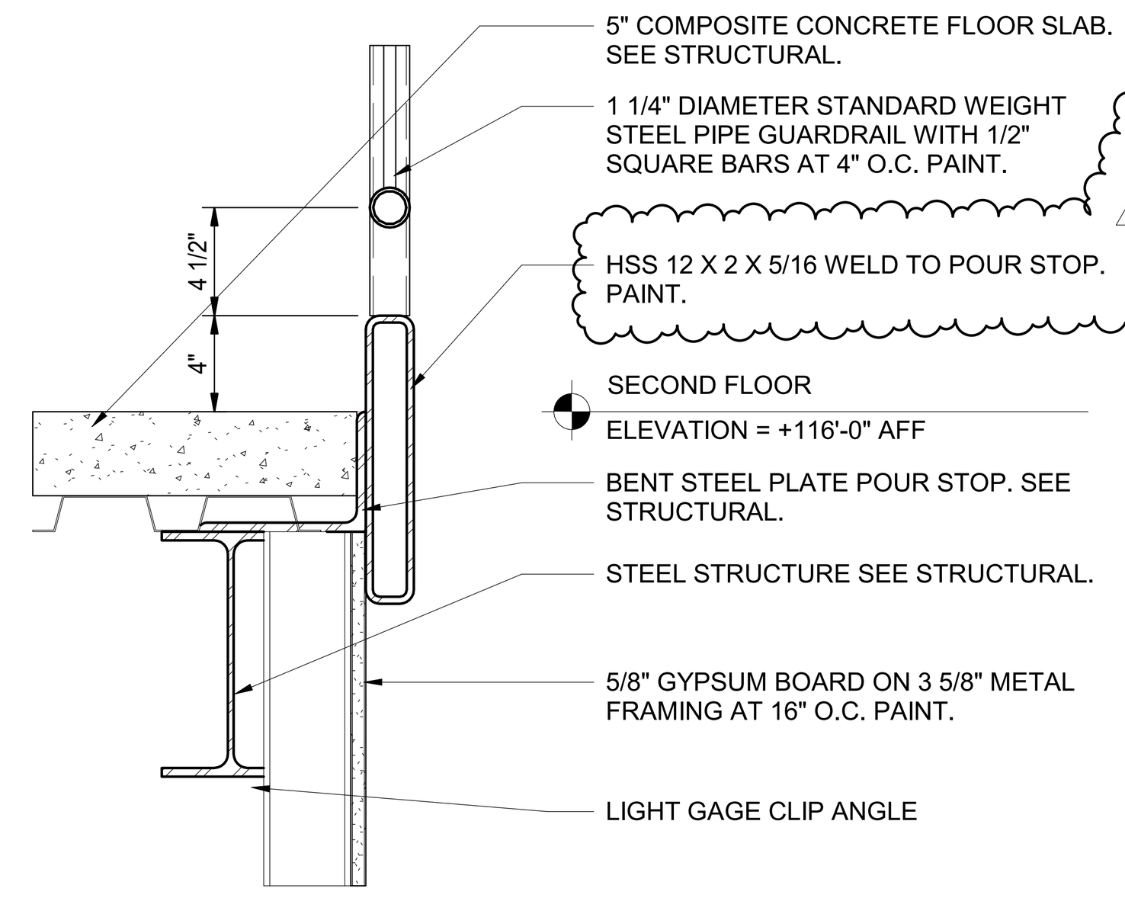


NOT USED

4 Metal Pan Terrazzo Stair
A-411 1 1/2" = 1'-0"



5 Metal Pan Stair
A-411 1 1/2" = 1'-0"



6 DETAIL SLAB EDGE / GUARD
A-411 1 1/2" = 1'-0"

1 STAIR SECTION
A-411 1/2" = 1'-0"

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PROJECT

DATE 04/15/22
COORDINATED BY Designer
DRAWN BY Author
CHECKED BY Checker

JOSEPH P. BRIGGS REGISTERED No. 11600109 STATE OF INDIANA

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DRAWING
STAIR 145 AND 245 PLANS AND SECTIONS

PROJECT
NEW ADMINISTRATION CENTER, ALTERNATIVE EDUCATION & RESOURCE CENTER, AND RELATED WORK

AD

SHEET A-411

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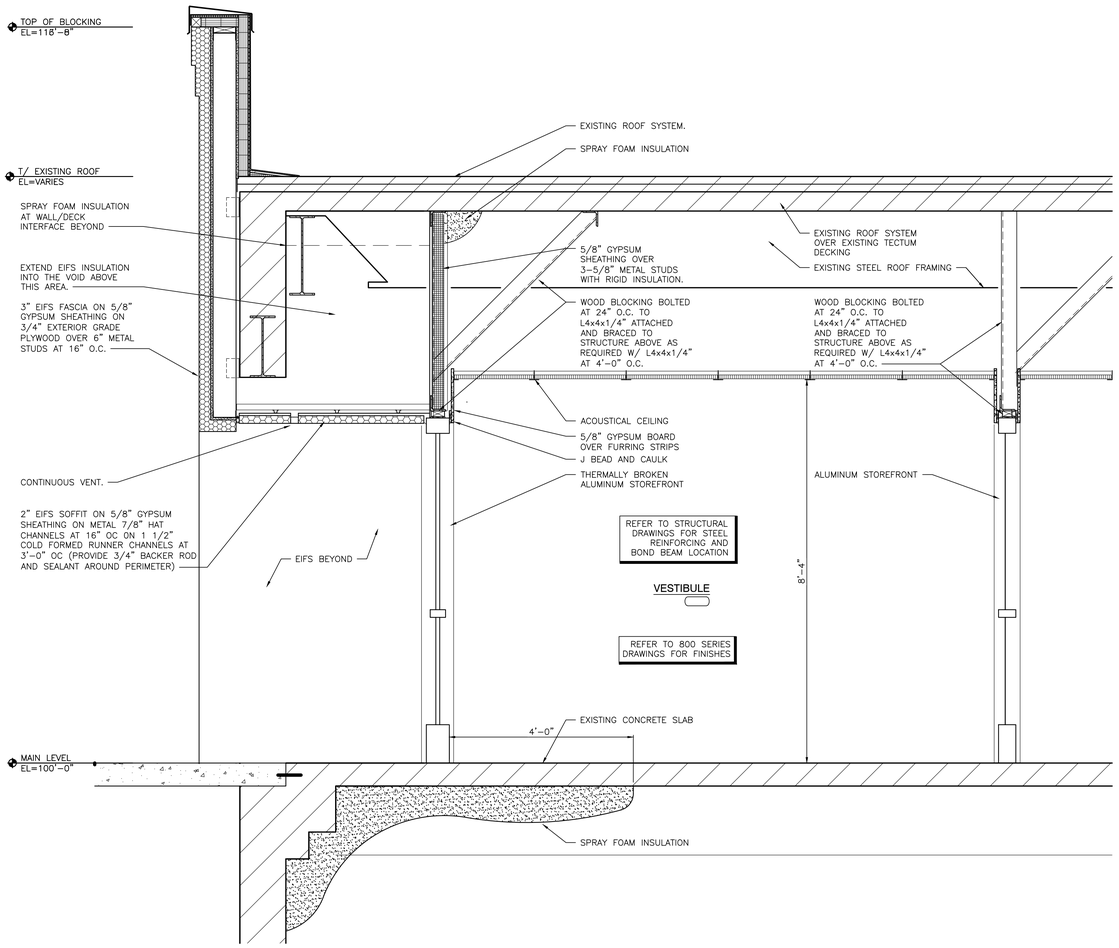
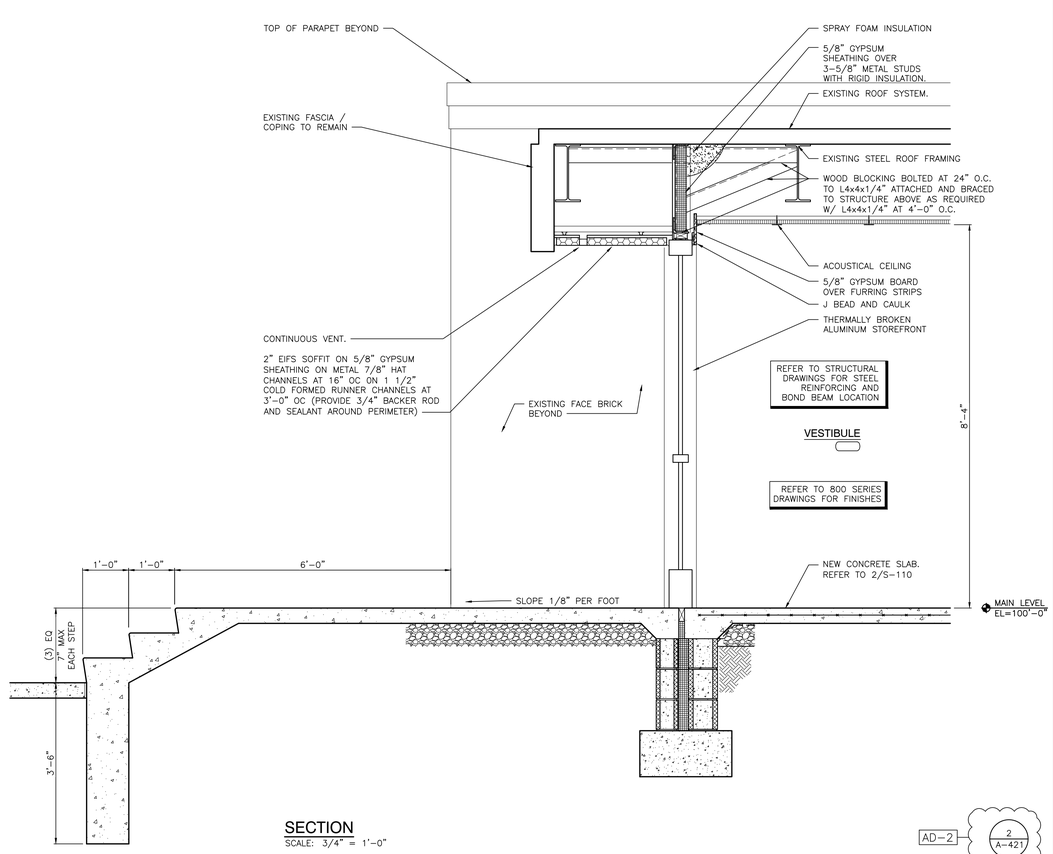


SECTION
SCALE: 3/4" = 1'-0"

1 / A-421



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

AD-2 / 2 / A-421

GIBRALTAR
DESIGN
ARCHITECTURE • ENGINEERING • INTERIOR DESIGN

PROJECT
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PROJECT 21-115
DATE 04/15/22
COORDINATED BY EJM
DRAWN BY EJM
CHECKED BY EJM

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

REVISIONS

MARK	DATE	ISSUED FOR
AD-2	5/5/22	ADDENDUM NO. 2

DRAWING
WALL SECTIONS

PROJECT
NEW ADMINISTRATION CENTER, ALTERNATIVE EDUCATION & RESOURCE CENTER, AND RELATED WORK

SHEET
AR A-421

Monday, 5/2/2022 - 10:25 PM - LAST SAVED BY:EMCCAULEY
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LOWER LEVEL

DOOR AND FRAME SCHEDULE

DOOR						GLASS			FRAME			LABEL	HARDWARE		NOTES
NO.	DESCRIPTION	TYPE	DOOR SIZE (WxH) (INCHES)	MATERIAL	LOU	DOOR	SIDE LGT	TRA	MAT'L	WIDTH	ELEV		EXIT DEVICE	CLOSER	
A 002-A	AL SINGLE	2	42 x 86	AL		B			AL	6"	SF13		PANIC		CR,BZ
A 003-A	SINGLE	2	42 x 84	WD		E			HM	6 3/4"	HM3		DP		
A S1-A	SINGLE	1	36 x 84	WD					HM	6 3/4"	HM3		PANIC		CR,45min

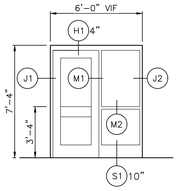
FIRST FLOOR

DOOR AND FRAME SCHEDULE

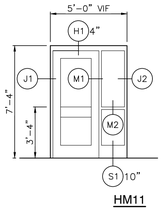
DOOR						GLASS			FRAME			LABEL	HARDWARE		NOTES
NO.	DESCRIPTION	TYPE	DOOR SIZE (WxH) (INCHES)	MATERIAL	LOU	DOOR	SIDE LGT	TRA	MAT'L	WIDTH	ELEV		EXIT DEVICE	CLOSER	
A 101-A	AL DOUBLE	3	PR 36 x 84	AL		C	C		AL	6"	SF11		PANIC		RM
A 101-B	AL DOUBLE	3	PR 36 x 84	AL		C	C		AL	6"	SF11		PANIC	PA	CR,BZ,RM
A 101A-A	SINGLE	1	36 x 84	WD					HM	6 3/4"	HM3				
A 102-C	EXISTING	3	PR 36 x 84	EX		EX	EX	EX	EX	0"	EX			PA	EXISTING DOOR - NEW CLOSER
A 103-A	DOUBLE	4	PR 36 x 84	WD		E			HM	6 3/4"	HM4		PANIC		RM
A 104-B	SINGLE	2	36 x 84	WD		E	E		HM	6 3/4"	HM11				
A 105-A	SINGLE	1	36 x 84	WD					HM	6 3/4"	HM3				RR Privacy
A 105-B	SINGLE	1	36 x 84	WD					HM	6 3/4"	HM3				RR Privacy
A 106-A	SINGLE	1	42 x 84	WD					HM	6 3/4"	HM3				RR Privacy
A 106-B	SINGLE	1	42 x 84	WD					HM	6 3/4"	HM3				RR Privacy
A 108-A	SINGLE	2	36 x 84	WD		A			HM	6 3/4"	HM3				
A 109-A	SINGLE	3	36 x 84	AL		E	E		AL	4 1/2"	SF12		DP		
A 110-A	AL SINGLE	3	36 x 84	AL		C	C		AL	6"	SF12		PANIC		
B 101-A	SINGLE	4	36 x 84	WD		E	E		HM	6 3/4"	HM12				CR,BZ
B 101-B	SINGLE	4	36 x 84	WD		E	E		HM	6 3/4"	HM12				(2)CR,BZ
B 102-A	SINGLE	1	36 x 84	WD					HM	6 3/4"	HM3				CR
B 103-A	SINGLE	2	36 x 84	WD		A			HM	8 1/4"	HM1				
B 103-B	SINGLE	2	36 x 84	WD		A			HM	6 3/4"	HM3				
B 104-A	SINGLE	1	36 x 84	WD					HM	8 1/4"	HM1				RR Privacy
B 105-A	SINGLE	2	36 x 84	WD		A			HM	8 1/4"	HM1				
B 107-A	SINGLE	2	36 x 84	WD		A			HM	8 1/4"	HM1				
B 108-A	SINGLE	1	36 x 84	WD					HM	6 3/4"	HM3				
B 118-A	SINGLE	2	36 x 84	WD		A			HM	8 1/4"	HM1				
B 120-A	SINGLE	2	36 x 84	WD		A			HM	8 1/4"	HM1				
C 104-A	DOUBLE	1	PR 36 x 84	WD		E			HM	6 3/4"	HM4		PANIC		CR, RM

AD-2 — DOOR A 104-A REMOVED

AD-2
CR - CARD READER
BZ - BUZZER (AI PHONE)
DP - DUMMY PANIC
RM - REMOVABLE MULLION
PA - POWER ASSIST OPENNER



HM12



HM11

NOTES - HOLLOW METAL (HM)

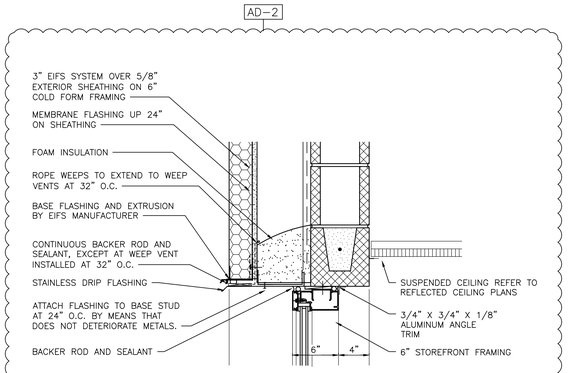
1. FOR HOLLOW METAL HEAD, JAMB AND SILL DETAILS REFER TO WALL SECTIONS AND HOLLOW METAL (HM) FRAME PROFILES 3/A-601.
2. PROVIDE SEALANT AROUND PERIMETER OF ALL FRAMES.
3. DIMENSIONS SHOWN ARE NOMINAL. FIELD VERIFY ALL DIMENSIONS SHOWN PRIOR TO FABRICATION AND INSTALLATION.
4. JAMB, HEAD, AND SILL DO NOT SHOW WALL CONSTRUCTION. SEE FLOOR PLAN FOR WALL MATERIALS. SEE ROOM FINISH SCHEDULE FOR WALL FINISHES.
5. PROVIDE GLAZING AND GLASS STOPS AS REQUIRED.

HOLLOW METAL FRAME ELEVATIONS (HM)

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

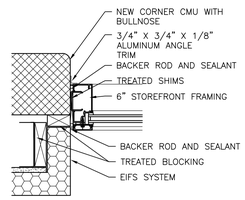
2 / A-610

AD-2



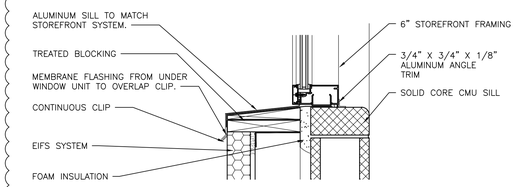
HEAD DETAIL

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



JAMB DETAIL

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



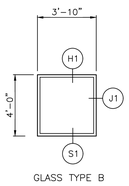
SILL DETAIL

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

SF14 DETAILS

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

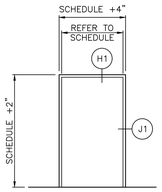
3 / A-610



GLASS TYPE B

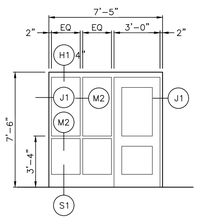
6" DEPTH AT EXTERIOR ELEVATION

SF14



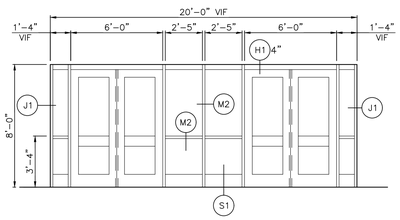
6" DEPTH AT EXTERIOR ELEVATION

SF13



6" DEPTH AT EXTERIOR ELEVATION
4 1/2" DEPTH AT INTERIOR ELEVATION

SF12



6" DEPTH AT EXTERIOR ELEVATION

SF11

ALUMINUM STOREFRONT ELEVATIONS (SF)

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

1 / A-610

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DRAWING
DOOR AND FRAME SCHEDULE, PROFILES, ELEVATIONS

PROJECT
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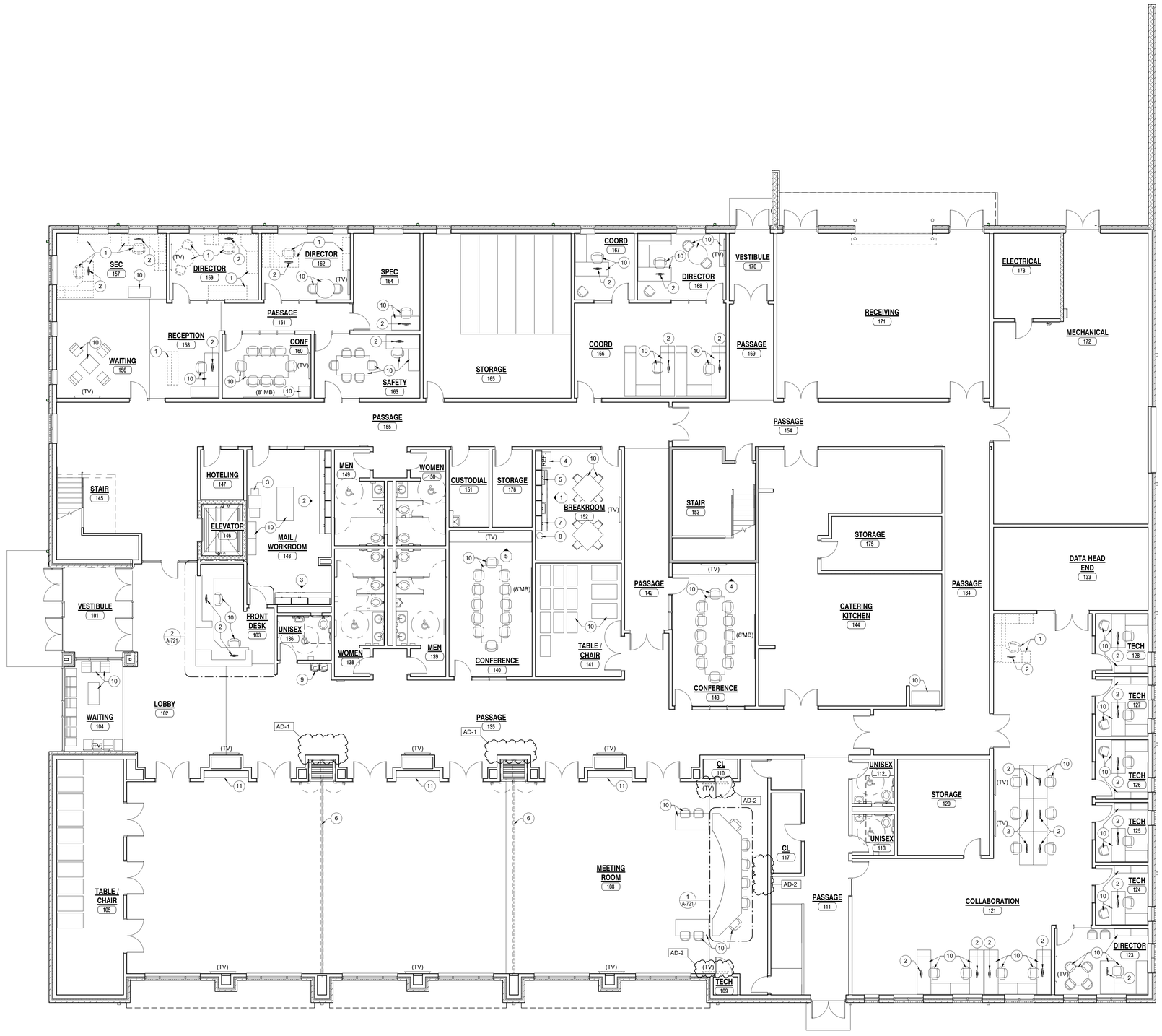
SHEET
AR
A-610



EQUIPMENT PLAN GENERAL NOTES:

A. REFER TO SPECIFICATIONS AND FINISH LEGEND FOR ADDITIONAL INFORMATION.

B. FIELD VERIFY ALL DIMENSIONS

C. CASEWORK AND/OR MILLWORK INSTALLER TO COORDINATE ELECTRICAL AND PLUMBING WORK. REFER TO ELECTRICAL DRAWINGS AND SCHEDULES FOR ELECTRICAL DEVICE TYPES, HEIGHTS, AND LOCATIONS

D. REFER TO G-301 FOR MOUNTING HEIGHTS

E. REFER TO ENLARGED TOILET ROOM PLANS, SHEET A-710, FOR TOILET ROOM EQUIPMENT

EQUIPMENT PLAN LEGEND:

(--)	INDICATES MISCELLANEOUS CASEWORK ELEVATION SYMBOL -- REFER TO A-700 SERIES DRAWINGS FOR ELEVATIONS AND DETAILS.
-----	INDICATES ITEMS TO BE PART OF LOOSE EQUIPMENT PACKAGE BY OWNER. (NOT INCLUDED IN CONSTRUCTION CONTRACTS).
- - -	INDICATES BULKHEADS OR OTHER OVERHEAD ITEMS (INCLUDED IN CONSTRUCTION CONTRACTS).
(CG1)	INDICATES CORNER GUARD, CG1. REFERENCE DETAIL 18/A-501
(CG2)	INDICATES CORNER GUARD, CG1. REFERENCE DETAIL 17/A-501
(MB)	INDICATES 4' HIGH MARKER BOARD LENGTH AS INDICATED, REFER TO MOUNTING HEIGHT DRAWING. REFER TO DETAIL 1/A-501
(SMB)	INDICATES 4' HIGH MARKER BOARD WITH MUSIC STAFF LINES LENGTH AS INDICATED, REFER TO MOUNTING HEIGHT DRAWING. REFER TO DETAIL 1/A-501
(PMB)	INDICATES 4' HIGH PROJECTABLE MARKER BOARD LENGTH AS INDICATED, REFER TO MOUNTING HEIGHT DRAWING. REFER TO DETAIL 1/A-501
(TB)	INDICATES 4' HIGH TACK BOARD LENGTH AS INDICATED, REFER TO MOUNTING HEIGHT DRAWING. REFER TO DETAIL 1/A-501
(TS)	INDICATES TACK STRIP LENGTH AS INDICATED, TO BE MOUNTED TOP EDGE 6'-6" AFF.
(RS)	INDICATES ROLLER SHADE FIT TO WINDOW
(ERS)	INDICATES ELECTRIC ROLLER SHADE FIT TO WINDOW (ALTERNATE)

KEY NOTES:

1. EXISTING LOOSE FURNITURE, BY OWNER. INDICATED ON PLAN FOR ELECTRICAL AND TECHNOLOGY COORDINATION.
2. COMPUTER/MONITOR, BY OWNER.
3. PRINTER/COPIER, BY OWNER.
4. REFRIGERATOR WITH ICE MAKER, BY OWNER.
5. MICROWAVE, BY OWNER.
6. FOLDING PARTITION (MANUAL). SEE FINISH PLAN FOR FINISH MATERIAL.
7. COFFEE MAKER, BY OWNER.
8. WATER COOLER, BY OWNER.
9. DRINKING FOUNTAIN, SEE PLUMBING DRAWINGS.
10. LOOSE FURNITURE, TO BE PURCHASED BY OWNER. INDICATED ON PLAN FOR ELECTRICAL AND TECHNOLOGY COORDINATION.
11. COAT RACK

AD-1

REMOVE ROLLER SHADES (RS) AT ALL LOCATIONS.

1 A-701 FIRST FLOOR EQUIPMENT PLAN

1/8" = 1'-0"

NORTH

GIBRALTAR DESIGN
ARCHITECTURE · ENGINEERING · INTERIOR DESIGN

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PROJECT:

NEW ADMINISTRATION CENTER, ALTERNATIVE EDUCAITON & RESOURCE CENTER, AND RELATED WORK

CROWN POINT COMMUNITY SCHOOL CORPORATION
CROWN POINT, INDIANA

PROJECT 21-115
DATE 4/15/22
COORDINATED BY JKF
DRAWN BY EKM
CHECKED BY CLN

JOSEPH P. BRIGGS REGISTERED NO. 11600109 STATE OF INDIANA

REVISIONS

MARK	DATE	ISSUED FOR
AD-1	04/28/2022	ADDENDUM 01
AD-2	05/05/2022	ADDENDUM 02

DRAWING
FIRST FLOOR EQUIPMENT PLAN

PROJECT
NEW ADMINISTRATION CENTER, ALTERNATIVE EDUCAITON & RESOURCE CENTER, AND RELATED WORK

AD

SHEET A-701

CASEWORK SCHEDULE

AD-2

MARK	CATALOGUE NUMBER	WIDTH	DESCRIPTION
B1	10432	2' - 9"	34"H X 24"D, 2 DOOR, 2 DRAWER WITH ADJUSTABLE SHELF
B2	10129	3' - 0"	34"H X 24"D, 2 DOOR WITH ADJUSTABLE SHELF
B3	10138	4' - 0"	34"H X 24"D, OPEN BASE CABINET WITH CENTER DIVIDER AND ADJUSTABLE SHELF
B4	10432	3' - 0"	34"H X 24"D, 2 DOOR, 2 DRAWER WITH ADJUSTABLE SHELF
M1	22243	4' - 0"	42"H X 14"D, MAILBOX WITH 64 COMPARTMENTS
SB1	10479	2' - 9"	34"H X 24"D, 2 DOOR SINK BASE WITH ADJUSTABLE SHELF
W1	16129	2' - 9"	30"H X 14"D, 2 DOOR WITH ADJUSTABLE SHELVES
W2	16129	3' - 0"	30"H X 14"D, 2 DOOR WITH ADJUSTABLE SHELVES
W3	16129	2' - 9"	24"H X 14"D, 2 DOOR WITH SHELF
W4	16129	3' - 6"	12"H X 14"D, 2 DOOR

GENERAL NOTES

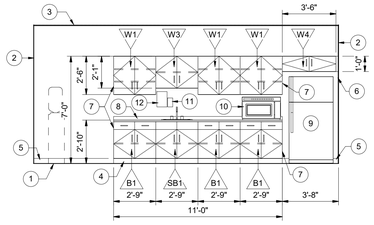
APPLIES TO SHEET A-720

A. FOR SCHEDULING PURPOSES ONLY, MODEL NUMBERS ARE TAKEN FROM STEVENS INDUSTRIES, INC. AND ARE FOR CABINET REQUIREMENTS ONLY. SEE SPECIFICATIONS FOR CABINET CONSTRUCTION METHODS.
B. FILLER PANELS. TRIM, AND MOLDING PROVIDED SHALL BE CONTINUOUS AS NECESSARY TO MAKE CASEWORK CONTINUOUS TO ADJACENT PARTITION, CEILING, AND/OR BULKHEAD.
C. WHERE CASEWORK REQUIRES SHIMMING, ONLY APPROVED METAL SHIMS SHALL BE USED.
D. CABINETS LOCATED IN FRONT OF A PIPE CHASE SHALL HAVE REMOVABLE BACKS.
E. ALL BACKSPLASHES AND ENDSPLASHES SHALL BE 4" HIGH UNLESS OTHERWISE NOTED.
F. VERIFY ALL CASEWORK DIMENSIONS WITH CASEWORK MANUFACTURER.
G. 4" HIGH VINYL COVE BASE AT ALL TOE SPACE AREAS AND AT EXPOSED SURFACES AND SIDES OF CABINETS ADJACENT TO TOE SPACES. BY OTHERS.
H. FIELD VERIFY ALL DIMENSIONS.
I. REFER TO ELECTRICAL DRAWINGS AND SCHEDULES FOR DEVICE TYPES, HEIGHTS AND LOCATIONS.
J. ALL EXPOSED SURFACES TO BE PLASTIC LAMINATE FINISHED, INCLUDING OPEN INTERIORS OF CABINETRY.
K. ALL ADJOINING CABINETS SHALL BE ALIGNED.
L. ALL EXPOSED ENDS ARE TO BE FINISHED.
M. ALL COUNTERTOPS TO BE 25"D PLASTIC LAMINATE WITH BACK AND/OR ENDSPLASH AS REQUIRED UNLESS OTHERWISE NOTED.
N. ALL CABINET DOORS AND DRAWERS TO BE LOCKING.
O. ALL SOLID SURFACE WINDOW SILLS TO BE BY CASEWORK CONTRACTOR, REFER TO DETAILS X/A-XXX AND X/A-XXX.
P. BATHROOMS A-XXX AND A-XXX TO RECEIVE NEW SOLID SURFACE WALL CAPS. SOLID SURFACE WALL CAPS TO BE BY CASEWORK CONTRACTOR, REFER TO DETAIL 14/AE501.

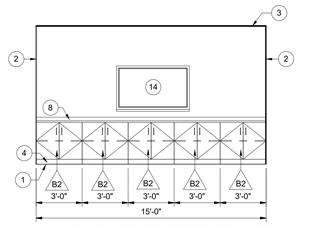
KEY NOTES

APPLIES TO SHEET A-710

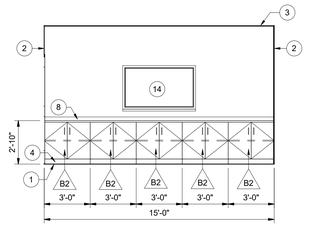
1 LINE OF FINISHED FLOOR
2 WALL LINE
3 CEILING LINE
4 4" TOE SPACE
5 4" VINYL BASE
6 FILLER PANEL
7 FINISHED END
8 24"D PLASTIC LAMINATE COUNTERTOP WITH BACK AND/OR ENDSPLASH, AS REQUIRED
9 REFRIGERATOR BY OWNER
10 MICROWAVE BY OWNER
11 SOAP DISPENSER BY OWNER
12 TOWEL DISPENSER BY OWNER
13 DOOR
14 TV MONITOR



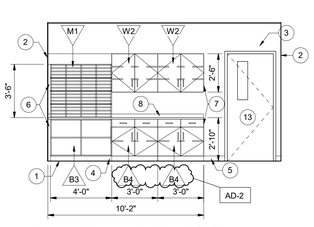
6 A-720 **224 - BREAKROOM** 1/4" = 1'-0"
COUNTERTOP: PL1
CABINET: PL2



5 A-720 **140 - CONFERENCE** 1/4" = 1'-0" AD-2
COUNTERTOP: SS3
CABINET: PL2

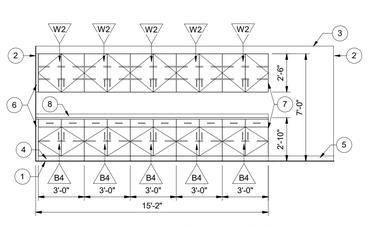


4 A-720 **143 - CONFERENCE** 1/4" = 1'-0" AD-2
COUNTERTOP: SS3
CABINET: PL2

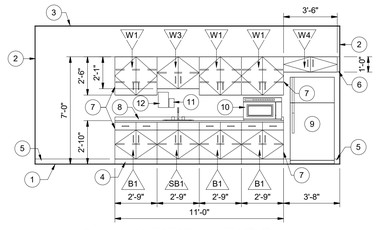


3 A-720 **148 - WORKROOM MAIL** 1/4" = 1'-0"
COUNTERTOP: PL1
CABINET: PL2

AD-2



2 A-720 **148 - WORKROOM** 1/4" = 1'-0"
COUNTERTOP: PL1
CABINET: PL2



1 A-720 **152-BREAKROOM** 1/4" = 1'-0"
COUNTERTOP: PL1
CABINET: PL2

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PROJECT:

NEW ADMINISTRATION CENTER, ALTERNATIVE EDUCAITON & RESOURCE CENTER, AND RELATED WORK

CROWN POINT COMMUNITY SCHOOL CORPORATION
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PROJECT
21-115
DATE
4/15/22
COORDINATED BY
JKF
DRAWN BY
EKM
CHECKED BY
CLN

JOSEPH P. BRIGGS REGISTERED NO. 11600109 STATE OF INDIANA

REVISIONS

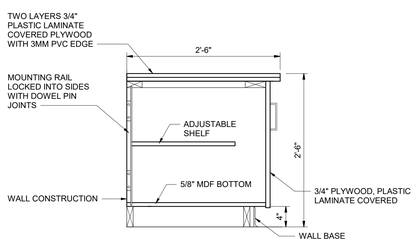
MARK	DATE	ISSUED FOR
AD-2	05/05/2022	ADDENDUM 02

DRAWING
PLASTIC LAMINATE CASEWORK SCHEDULE AND ELEVATIONS

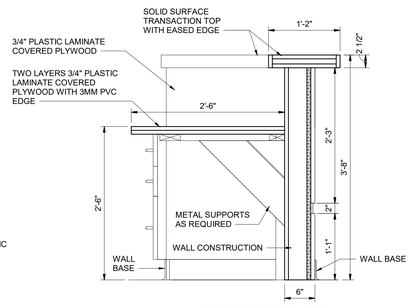
PROJECT
NEW ADMINISTRATION CENTER, ALTERNATIVE EDUCAITON & RESOURCE CENTER, AND RELATED WORK

AD

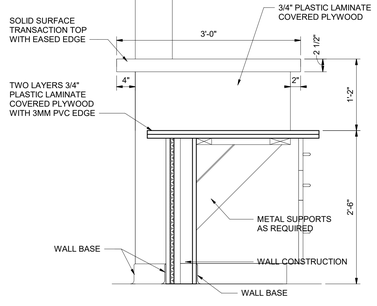
SHEET
A-720



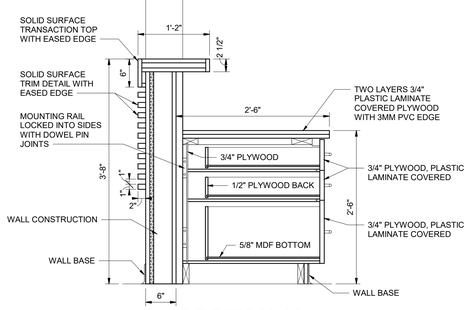
16 A-721 **SECTION 16**
1" = 1'-0"



15 A-721 **SECTION 15**
1" = 1'-0"



14 A-721 **SECTION 14**
1" = 1'-0"



13 A-721 **SECTION 13**
1" = 1'-0"

GENERAL NOTES
APPLIES TO SHEET A-721

A. REFER TO FINISH LEGEND (A-820) FOR FINISH INFORMATION. REFERENCE WRITTEN SPECIFICATIONS AND PLANS FOR ADDITIONAL INFORMATION.

B. FILLER PANELS, TRIM, AND MOLDING PROVIDED SHALL BE CONTINUOUS AS NECESSARY TO MAKE MILLWORK CONTINUOUS TO ADJACENT PARTITION, CEILING, AND/OR BULKHEAD.

C. WHERE MILLWORK REQUIRES SHIMMING, ONLY APPROVED METAL SHIMS SHALL BE USED.

D. CABINETS LOCATED IN FRONT OF A PIPE CHASE SHALL HAVE REMOVABLE BACKS.

E. 4" HIGH VINYL COVE BASE AT ALL TOE SPACE AREAS AND AT EXPOSED SURFACES AND SIDES OF CABINETS ADJACENT TO TOE SPACES, UNLESS OTHERWISE NOTED. BY OTHERS.

F. FIELD VERIFY ALL DIMENSIONS.

G. REFER TO ELECTRICAL DRAWINGS AND SCHEDULES FOR DEVICE TYPES, HEIGHTS AND LOCATIONS.

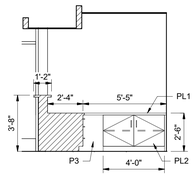
H. ALL EXPOSED SURFACES TO BE PLASTIC LAMINATE FINISHED, INCLUDING OPEN INTERIORS OF CABINETRY, UNLESS OTHERWISE NOTED.

I. ALL ADJOINING CABINETS SHALL BE ALIGNED.

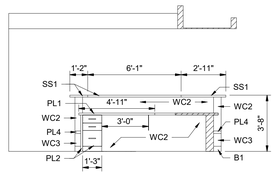
J. ALL EXPOSED ENDS ARE TO BE FINISHED.

K. ALL CABINET DOORS AND DRAWERS TO BE LOCKABLE, KEY ALIKE BY ROOM.

L. ALL PLASTIC LAMINATE COUNTERTOPS TO HAVE 3MM PVC EDGE.

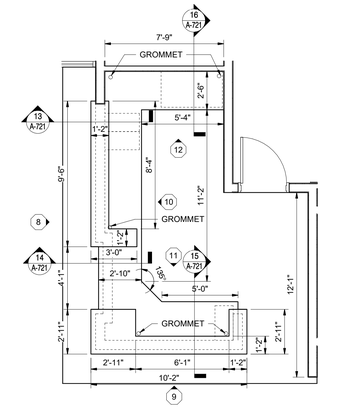


12 A-721 **FRONT DESK ELEVATION 12**
1/4" = 1'-0"

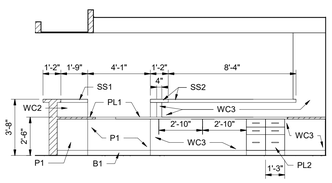


11 A-721 **FRONT DESK ELEVATION 11**
1/4" = 1'-0"

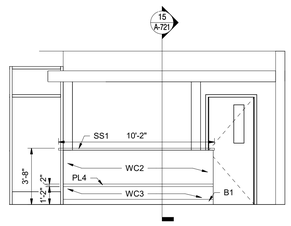
AD-02
ENTIRE SHEET SHALL BE SUBMITTED IN THIS ADDENDUM



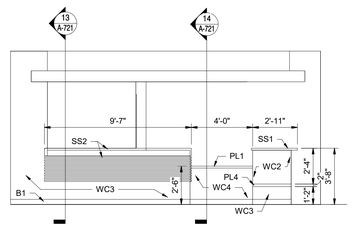
2 A-721 **FRONT DESK ENLARGED PLAN**
1/4" = 1'-0"



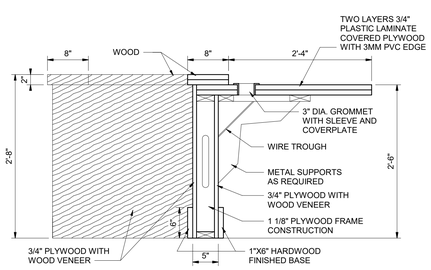
10 A-721 **FRONT DESK ELEVATION 10**
1/4" = 1'-0"



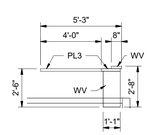
9 A-721 **FRONT DESK ELEVATION 9**
1/4" = 1'-0"



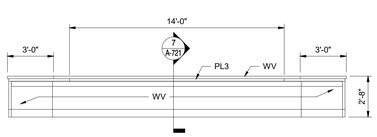
8 A-721 **FRONT DESK ELEVATION 8**
1/4" = 1'-0"



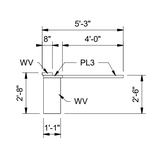
7 A-721 **SECTION 7**
1" = 1'-0"



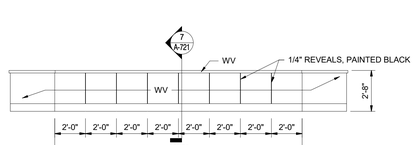
6 A-721 **LARGE DESK ELEVATION 6**
1/4" = 1'-0"



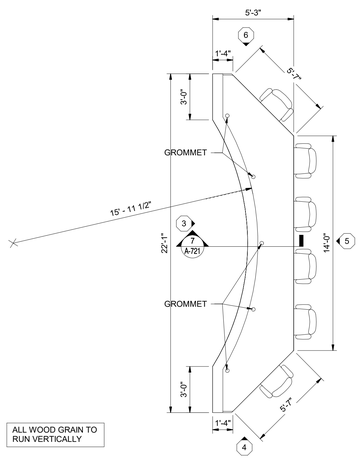
5 A-721 **LARGE DESK ELEVATION 5**
1/4" = 1'-0"



4 A-721 **LARGE DESK ELEVATION 4**
1/4" = 1'-0"



3 A-721 **LARGE DESK ELEVATION 3**
1/4" = 1'-0"



ALL WOOD GRAIN TO RUN VERTICALLY

1 A-721 **MEETING ROOM DESK ENLARGED PLAN**
1/4" = 1'-0"

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PROJECT:

NEW ADMINISTRATION CENTER, ALTERNATIVE EDUCAITON & RESOURCE CENTER, AND RELATED WORK

CROWN POINT COMMUNITY SCHOOL CORPORATION
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PROJECT
21-115
DATE
4/15/22
COORDINATED BY
JKF
DRAWN BY
EKM
CHECKED BY
NAS

JOSEPH P. BRIGG REGISTERED NO. 11600109 STATE OF INDIANA

REVISIONS

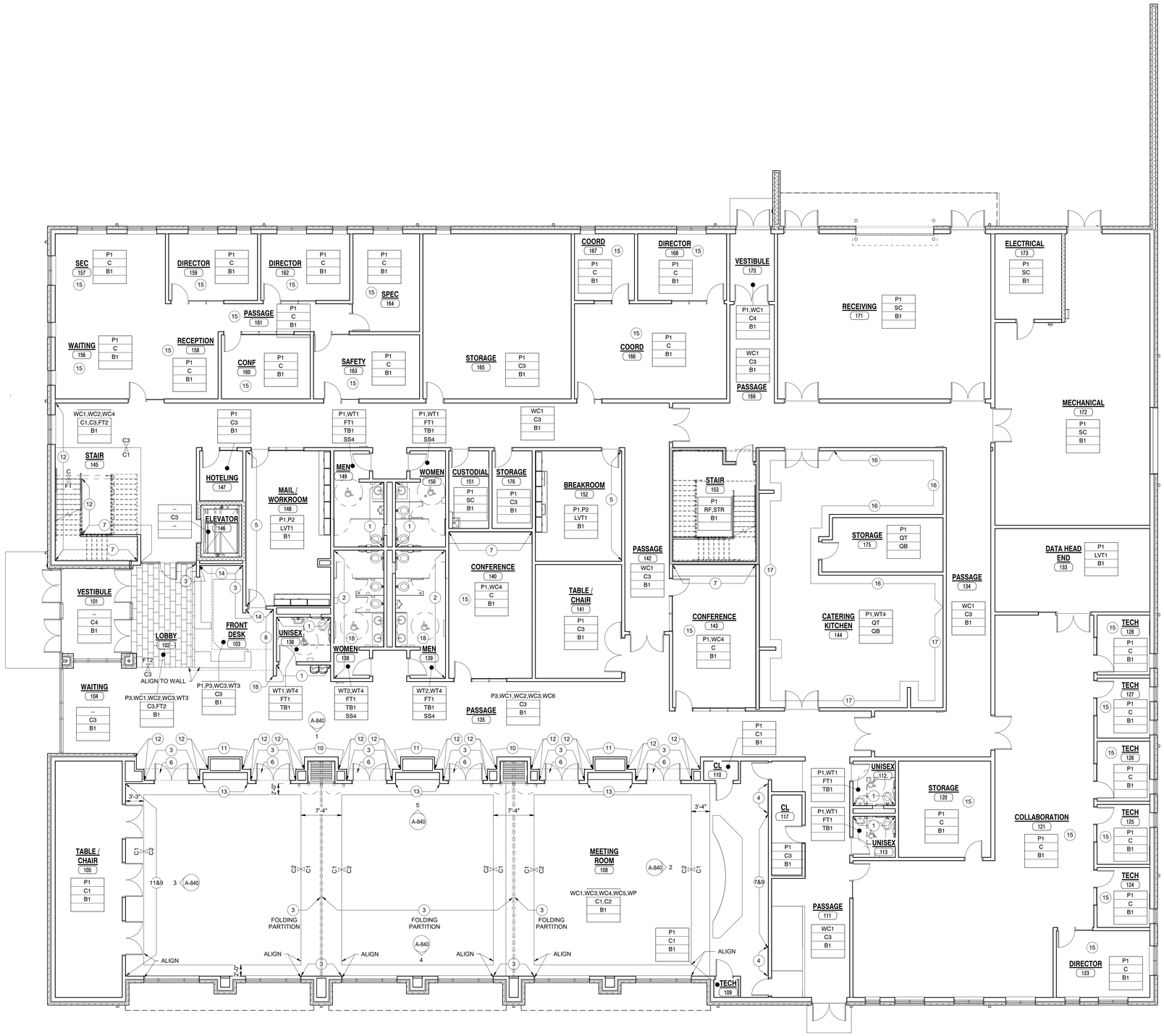
MARK	DATE	ISSUED FOR
AD-2	05/05/2022	ADDENDUM 02

DRAWING
MILLWORK DETAILS

PROJECT
NEW ADMINISTRATION CENTER, ALTERNATIVE EDUCAITON & RESOURCE CENTER, AND RELATED WORK

AD

SHEET
A-721



GENERAL NOTES

A. REFERENCE FINISH LEGEND FOR FINISH INFORMATION.

B. REFERENCE FLOOR PATTERN PLANS, EQUIPMENT PLANS, INTERIOR ELEVATIONS, REFLECTED CEILING PLANS AND WRITTEN SPECIFICATIONS FOR ADDITIONAL FINISH INFORMATION.

C. PRIOR TO INSTALLATION OF NEW FINISHES, CONTRACTOR SHALL INSPECT ALL SUBSTRATES. IF A SUBSTRATE IS DEEMED UNACCEPTABLE, THE CONTRACTOR SHALL TAKE THE NECESSARY STEPS TO RECTIFY THE SITUATION OR CONTACT THE ARCHITECT WITH THE CONCERN. PROCEEDING WITH THE INSTALLATION OF FINISHES WILL BE CONSTRUED THAT THE INSTALLER AND/OR FINISHER HAS ACCEPTED SAID SUBSTRATE. NO CHANGE ORDER WILL BE ISSUED TO RECTIFY CONCEALED OR UNSATISFACTORY SUBSTRATE ONCE FINISH WORK HAS PROCEEDED.

D. PREPARE ALL WALL CONSTRUCTION, NEW AND EXISTING, TO RECEIVE NEW FINISHES AS PER MANUFACTURER'S RECOMMENDED INSTALLATION METHODS AND MATERIALS FOR ALL FINISHES.

E. ALL FLOORING IS TO BE LEVELED WITHIN 1/4" IN 10'-0" WITH LATEX MATERIAL. MOISTURE CONTENT IN AREA IS TO BE TESTED PRIOR TO INSTALLATION OF FLOORING MATERIAL. CONTRACTOR TO INSTALL FLOORING PER MANUFACTURER'S RECOMMENDED METHOD.

F. FLOORING CONTRACTOR TO SUBMIT A SEAMING DIAGRAM FOR FLOORING MATERIALS, INCLUDING NOTATION OF MATERIAL DIRECTION.

G. ALL FLOORING TRANSITIONS SHALL COMPLY WITH ADA GUIDELINES.

H. ALL EXPOSED METAL SURFACES, SUCH AS GRILLES, FIRE EXTINGUISHER CABINETS, ETC, THAT ARE NOTED TO BE PAINTED, SHALL BE PAINTED WITH ALKYD TYPE PAINT. COLOR TO BE COORDINATED WITH DESIGNER UNLESS OTHERWISE NOTED.

I. CONTRACTOR TO PROVIDE AND INSTALL FLOORING TRANSITIONS AS INDICATED ON THE FLOOR PATTERN PLANS. WHERE NONE ARE NOTED, CONTRACTOR SHALL VERIFY REQUIRED TYPE/COLOR WITH ARCHITECT.

J. THE CONTRACTOR SHALL BE RESONSIBLE TO VERIFY THAT ALL NEW INTERIOR WAL AND CEILING FINISHES WILL BE CLASS B MINIMUM, WITH A FLAME SPREAD RATING OF 75 MAXIMUM, AND A SMOKE DEVELOPED INDEX OF 450 MAXIMUM, PER IBC SECTION 803.

K. "AD" ADMINISTRATION CENTER: PAINT ALL HOLLOW METAL DOOR FRAMES P4.

FINISH SYMBOL LEGEND

P1	WALL FINISH
C1	FLOOR FINISH
B1	BASE FINISH
--	MISC FINISH INFORMATION

PLAN NOTES

1. WALL TILE, WT1
2. WALL TILE, WT2
3. WALLCOVERING, WC3
4. WALL PANEL, WP, PAINTED P1
5. PAINT, P2
6. BULKHEAD TO BE PAINTED P3
7. WALLCOVERING, WC4
8. WALL TILE, WT3
9. WALLCOVERING, WC5
10. WALLCOVERING, WC6
11. WALLCOVERING, WC1
12. WALLCOVERING, WC2
13. FINISHED WOOD TRIM AROUND COAT RACK OPENING
14. PAINT, P3
15. TARKETT: CARPET, C3 MANNINGTON: CARPET, C2
16. PAINT, P1
17. WALL TILE, WT4
18. SCHLUTER TRIM AT ALL OUTSIDE CORNERS

AD-2

ENTIRE SHEET SHALL BE SUBMITTED IN THIS ADDENDUM

1 / A-801 **FIRST FLOOR FINISH PLAN**

1/8" = 1'-0"

NORTH

GIBRALTAR DESIGN
ARCHITECTURE · ENGINEERING · INTERIOR DESIGN

PROJECT:

NEW ADMINISTRATION CENTER, ALTERNATIVE EDUCAITON & RESOURCE CENTER, AND RELATED WORK

CROWN POINT COMMUNITY SCHOOL CORPORATION
CROWN POINT, 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

PROJECT
21-115
DATE
4/15/22
COORDINATED BY
JKF
DRAWN BY
EKM
CHECKED BY
NAS

JOSEPH P. BRIGG REGISTERED NO. 11600109 STATE OF INDIANA

REVISIONS

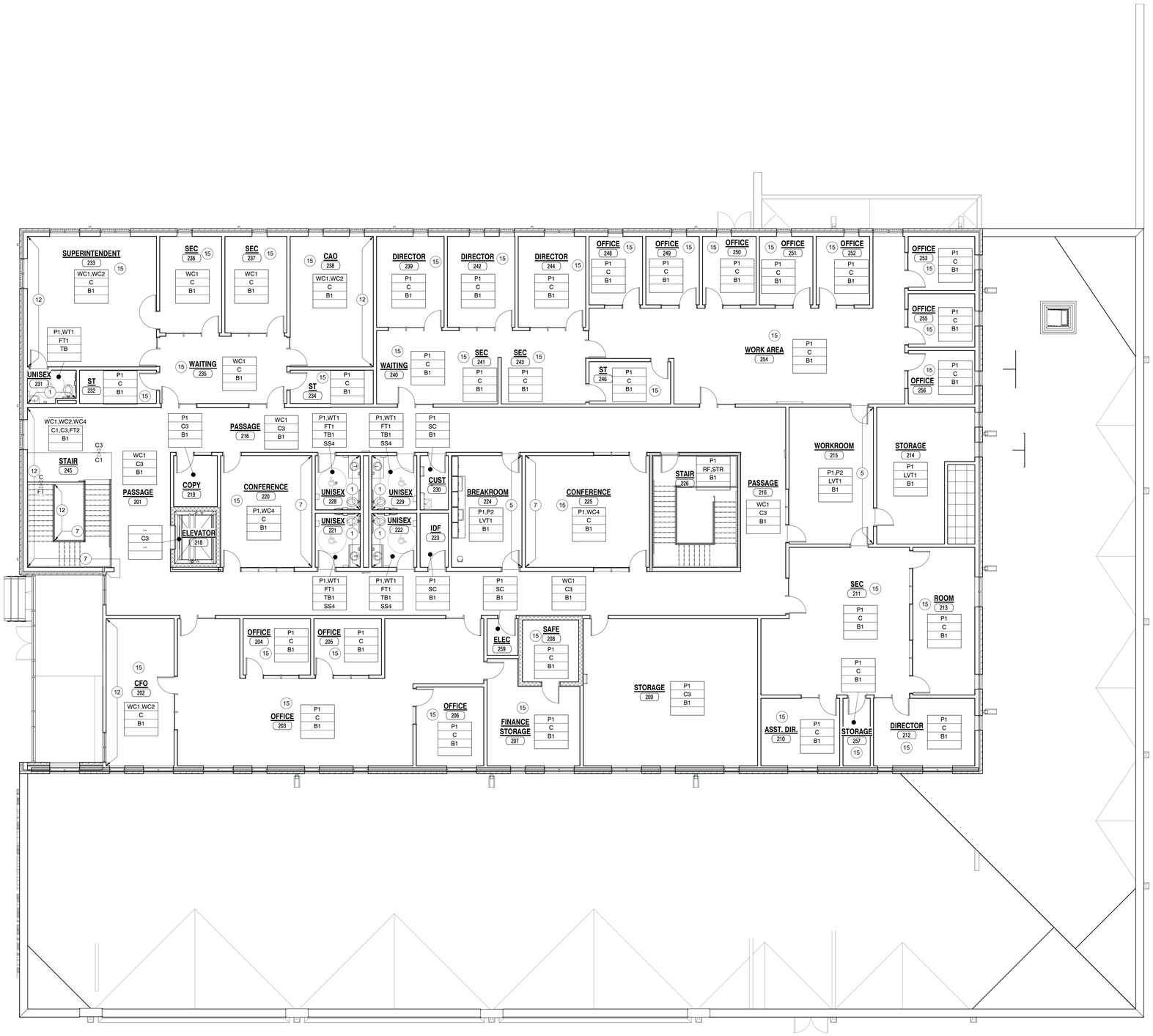
MARK	DATE	ISSUED FOR
AD-2	05/05/2022	ADDENDUM 02

DRAWING
FIRST FLOOR FINISH PLAN

PROJECT
NEW ADMINISTRATION CENTER, ALTERNATIVE EDUCAITON & RESOURCE CENTER, AND RELATED WORK

AD

SHEET
A-801



GENERAL NOTES

A. REFERENCE FINISH LEGEND FOR FINISH INFORMATION.

B. REFERENCE FLOOR PATTERN PLANS, EQUIPMENT PLANS, INTERIOR ELEVATIONS, REFLECTED CEILING PLANS AND WRITTEN SPECIFICATIONS FOR ADDITIONAL FINISH INFORMATION.

C. PRIOR TO INSTALLATION OF NEW FINISHES, CONTRACTOR SHALL INSPECT ALL SUBSTRATES. IF A SUBSTRATE IS DEEMED UNACCEPTABLE, THE CONTRACTOR SHALL TAKE THE NECESSARY STEPS TO RECTIFY THE SITUATION OR CONTACT THE ARCHITECT WITH THE CONCERN. PROCEEDING WITH THE INSTALLATION OF FINISHES WILL BE CONSTRUED THAT THE INSTALLER AND/OR FINISHER HAS ACCEPTED SAID SUBSTRATE. NO CHANGE ORDER WILL BE ISSUED TO RECTIFY CONCEALED OR UNSATISFACTORY SUBSTRATE ONCE FINISH WORK HAS PROCEEDED.

D. PREPARE ALL WALL CONSTRUCTION, NEW AND EXISTING, TO RECEIVE NEW FINISHES AS PER MANUFACTURER'S RECOMMENDED INSTALLATION METHODS AND MATERIALS FOR ALL FINISHES.

E. ALL FLOORING IS TO BE LEVELED WITHIN 1/4" IN 10'-0" WITH LATEX MATERIAL. MOISTURE CONTENT IN AREA IS TO BE TESTED PRIOR TO INSTALLATION OF FLOORING MATERIAL. CONTRACTOR TO INSTALL FLOORING PER MANUFACTURER'S RECOMMENDED METHOD.

F. FLOORING CONTRACTOR TO SUBMIT A SEAMING DIAGRAM FOR FLOORING MATERIALS, INCLUDING NOTATION OF MATERIAL DIRECTION.

G. ALL FLOORING TRANSITIONS SHALL COMPLY WITH ADA GUIDELINES.

H. ALL EXPOSED METAL SURFACES, SUCH AS GRILLES, FIRE EXTINGUISHER CABINETS, ETC, THAT ARE NOTED TO BE PAINTED, SHALL BE PAINTED WITH ALKYD TYPE PAINT. COLOR TO BE COORDINATED WITH DESIGNER UNLESS OTHERWISE NOTED.

I. CONTRACTOR TO PROVIDE AND INSTALL FLOORING TRANSITIONS AS INDICATED ON THE FLOOR PATTERN PLANS. WHERE NONE ARE NOTED, CONTRACTOR SHALL VERIFY REQUIRED TYPE/COLOR WITH ARCHITECT.

J. THE CONTRACTOR SHALL BE RESONSIBLE TO VERIFY THAT ALL NEW INTERIOR WAL AND CEILING FINISHES WILL BE CLASS B MINIMUM, WITH A FLAME SPREAD RATING OF 75 MAXIMUM, AND A SMOKE DEVELOPED INDEX OF 450 MAXIMUM, PER IBC SECTION 803.

K. "AD" ADMINISTRATION CENTER: PAINT ALL HOLLOW METAL DOOR FRAMES P4.

FINISH SYMBOL LEGEND

P1	WALL FINISH
C1	FLOOR FINISH
B1	BASE FINISH
--	MISC FINISH INFORMATION

PLAN NOTES

1. WALL TILE, WT1
2. WALL TILE, WT2
3. WALLCOVERING, WC3
4. WALL PANEL, WP, PAINTED P1
5. PAINT, P2
6. BULKHEAD TO BE PAINTED P3
7. WALLCOVERING, WC4
8. WALL TILE, WT3
9. WALLCOVERING, WC5
10. WALLCOVERING, WC6
11. WALLCOVERING, WC1
12. WALLCOVERING, WC2
13. FINISHED WOOD TRIM AROUND COAT RACK OPENING
14. PAINT, P3
15. TARKETT: CARPET, C3
    MANNINGTON: CARPET, C2
16. PAINT, P1
17. WALL TILE, WT4
18. SCHLUTER TRIM AT ALL OUTSIDE CORNERS

AD-2
ENTIRE SHEET SHALL BE SUBMITTED IN THIS ADDENDUM

1 SECOND FLOOR FINISH PLAN
A-802 1/8" = 1'-0"

NORTH

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JOSEPH P. BRIGGS REGISTERED NO. 11600109 STATE OF INDIANA

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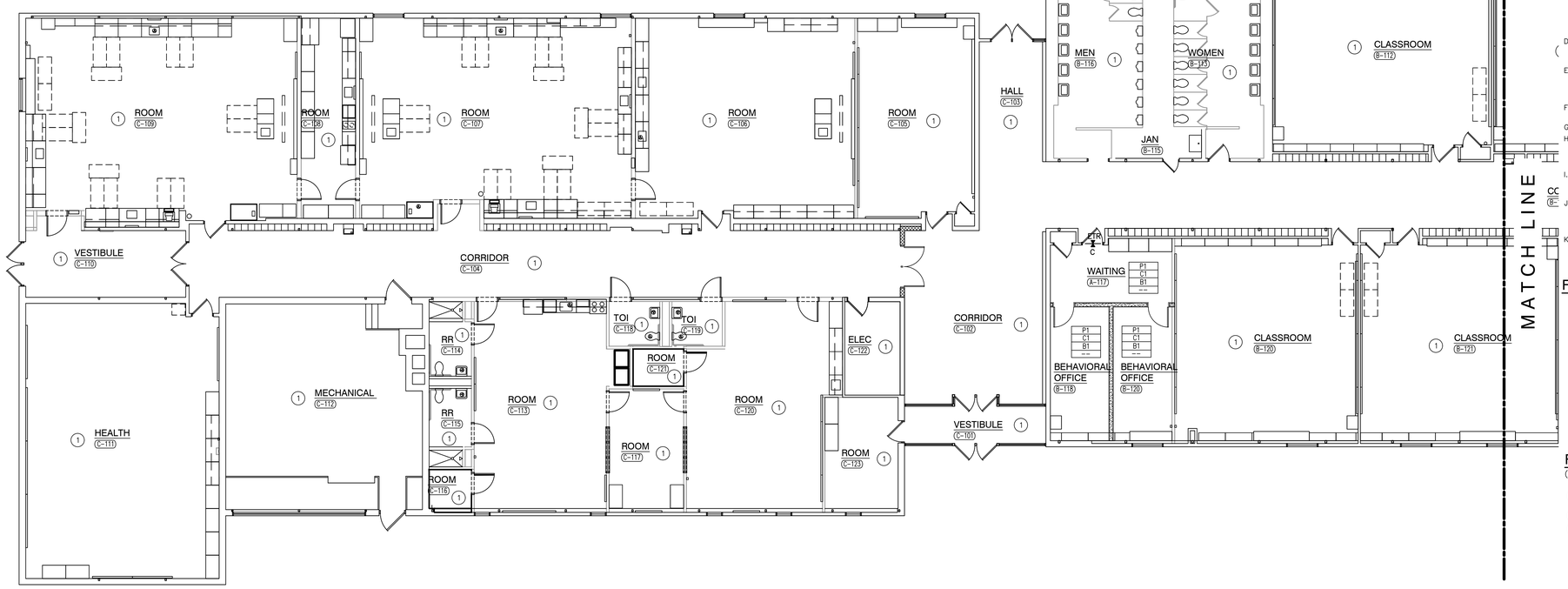
DRAWING
SECOND FLOOR FINISH PLAN

PROJECT
NEW ADMINISTRATION CENTER, ALTERNATIVE EDUCAITON & RESOURCE CENTER, AND RELATED WORK

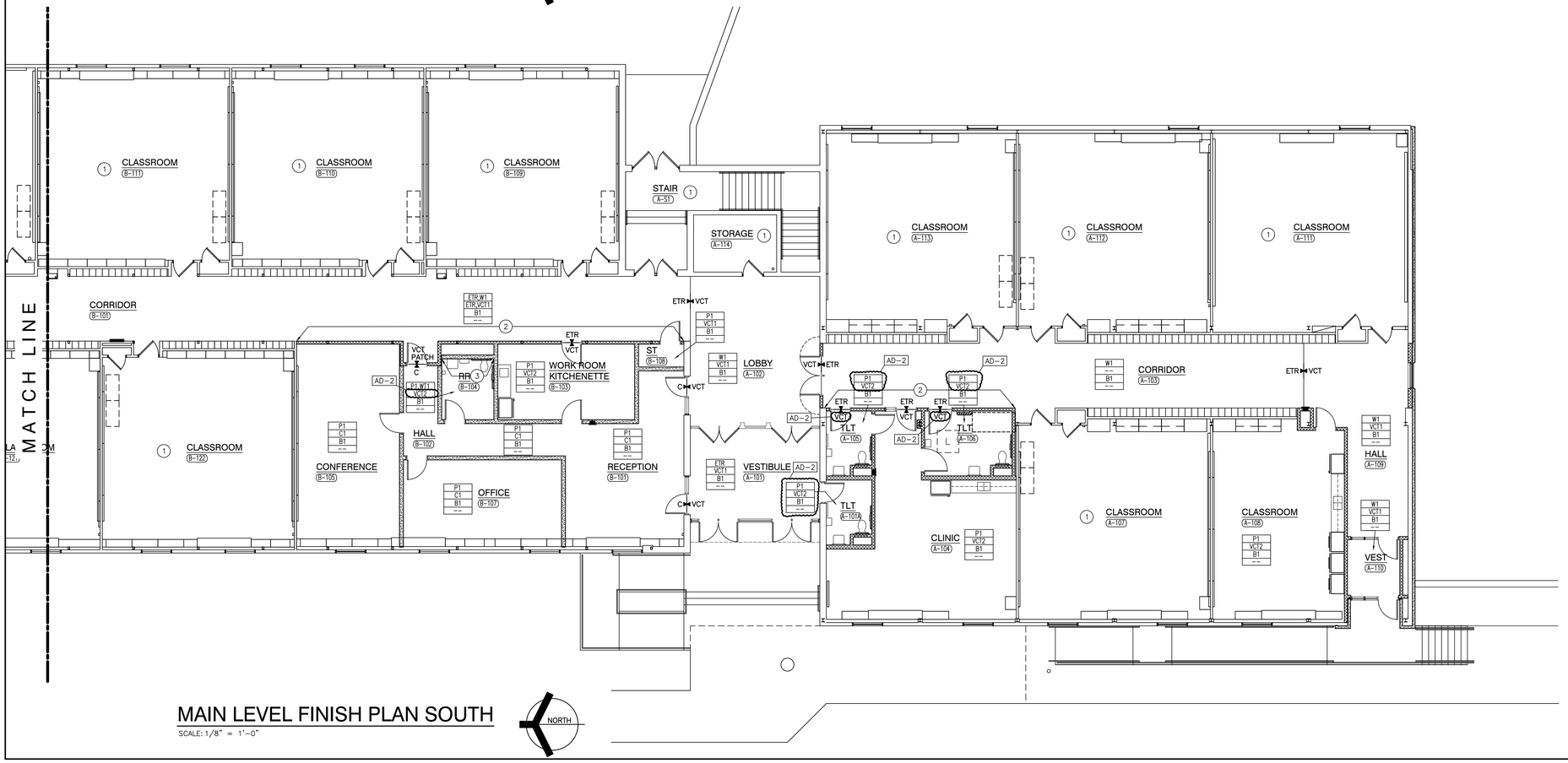
AD

SHEET
A-802



MAIN LEVEL FINISH PLAN NORTH

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



MAIN LEVEL FINISH PLAN SOUTH

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

GENERAL FINISH PLAN NOTES:

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K. "AR", ALTERNATIVE EDUCATION: PAINT ALL NEW DOOR FRAMES TO MATCH EXISTING.

FINISH SYMBOL LEGEND:

P1	WALL FINISH
C1	FLOOR FINISH
B1	BASE FINISH
--	MISC FINISH INFORMATION

ETR — FLOOR TRANSITION STRIP AS REQUIRED

INDICATES DIRECTION OF MATERIAL GRAIN

FINISH PLAN NOTES:

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

1. NO NEW FINISHES THIS ROOM, EXCLUDING DOOR FRAMES CONNECTED TO OTHER ROOMS THAT RECEIVE NEW FINISHES.
2. MATCH EXISTING WALL FINISHES, WALL PAINT AND PROVIDE NEW BASE.
3. WALL TILE 1, WT1

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PROJECT 21-115
DATE 04/15/22
COORDINATED BY EJM
DRAWN BY EKM
CHECKED BY NAS

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

REVISIONS

MARK	DATE	ISSUED FOR
AD-2	05/05/22	ADDENDUM 02

DRAWING
MAIN LEVEL FINISH PLAN

PROJECT
NEW ADMINISTRATION CENTER, ALTERNATIVE EDUCATION & RESOURCE CENTER, AND RELATED WORK

SHEET AR A-811

Thursday, 5/5/2022 - 1:57 PM - LAST SAVED BY:EMCQUEEN
Y:\21-115 CROWN POINT CSC - NEW ADMIN CENTER, ALTERNATIVE SCHOOL, AND RELATED WORK\21-115 DRAWINGS - ALTERNATIVE ED\05 ARCH\A-811.DWG

FINISH LEGEND

SURFACE	MARK	DESCRIPTION	MANUFACTURER	PATTERN/FINISH	NUMBER/COLOR	SIZE	COMMENTS
CEILING MATERIAL							
	ACT1	ACOUSTICAL CEILING	ARMSTRONG	--	--	24" X 24"	NRC .70
	ACT2	ACOUSTICAL CEILING	ARMSTRONG	--	--	24" X 24"	CLEAN ROOM/VINYL FACED
	ACT3	ACOUSTICAL CEILING	ARMSTRONG	--	--	48" X 48"	NRC .70
WALL BASE							
	B1	VINYL WALL BASE	TARKETT	--	CHARCOAL 20	4" COVE	
	QB	QUARRY BASE	AMERICAN OLEAN	QUARRY NATURALS	FIRE FLASH NO.2	5" X 6" COVE	
	TB1	TILE BASE	DALTILE	TERRATECH	GRAFITE M8KS	3" X 24" BULLNOSE	
FLOOR MATERIAL							
	C1a	CARPET	TARKETT	ROCK SOLID 04321	IRON ORE 20406	24" X 24"	
	C1b	CARPET	MANNINGTON	VARIATIONS 4	BLOG 15203	24" X 24"	
	C2a	CARPET	TARKETT	VELLUM 11500	DROP SHADOW 25604	24" X 24"	
	C2b	CARPET	MANNINGTON	GOOGIE, PHENOMENA	REPLETRON 33642	24" X 24"	
	C3a	CARPET	TARKETT	BINDERY 11501	DROP SHADOW 25604	24" X 24"	
	C3b	CARPET	MANNINGTON	GOOGIE, SKYWAY	REPLETRON 33642	24" X 24"	
	C4a	CARPET	TARKETT	ASSERTIVE ACTION 04837	STEELWORK 26202	24" X 24"	WALKOFF
	C4b	CARPET	MANNINGTON	FORCE	KINETIC 11360	18" X 36"	WALKOFF
	FT1	PORCELAIN FLOOR TILE	DALTILE	TERRATECH	GRAFITE M8KS	12" X 24"	
	FT2	PORCELAIN FLOOR TILE	DALTILE	TERRATECH	SALVIA M8KR	12" X 24"	
	LVT1	LUXURY VINYL TILE	MANNINGTON	SPACIA - STONE	GALLERY CONCRETE SS53071	18"X18"	
	QT	QUARRY TILE	AMERICAN OLEAN	QUARRY NATURALS	FIRE FLASH NO.2	6" X 6"	
	RF	RUBBER FLOORING	TARKETT	HAMMERED	CHARCOAL 20	--	
	SC	SEALED CONCRETE	--	--	--	--	
	TZ	TERRAZZO	--	--	5% T&M CRIMSON #1, 20% CHINA WHITE #1, 20% CHINA WHITE #2, 15% GEORGIA WHITE #1, 20% GEORGIA WHITE #2, 10% RAVEN BLACK #1, 10% RAVEN BLACK #2, EPOXY: DAUPHIN GRAY 13B-2T	--	ALTERNATE: TERRAZZO MIX PROVIDED FOR PRICING PURPOSES. CONTRACTOR TO WORK WITH ARCHITECT FOR FINAL FORMULA. SAMPLES AND REVISIONS WILL BE REQUIRED.
WALL MATERIAL							
	P1	PAINT	SHERWIN WILLIAMS	--	REPOSE GRAY SW7015	--	
	P2	PAINT	SHERWIN WILLIAMS	--	ACIER SW9170	--	
	P3	PAINT	SHERWIN WILLIAMS	--	CUSTOM RED	--	
	P4	PAINT	SHERWIN WLLIAMS	--	DOVETAIL SW7018		DOOR FRAMES
	WC1	WALLCOVERING	TOWER	MINGLE	SEA SALT T2-MN-21	--	
	WC2	WALLCOVERING	TOWER	MINGLE	SILVER LINING T2-MN-19	--	
	WC3	WALLCOVERING	TOWER	MINGLE	GREY ROCK T2-MN-11	--	
	WC4	WALLCOVERING	TOWER	DOUBLE CROSS	THIN RED LINE T2-DC-20	--	
	WC5	WALLCOVERING	KOROSEAL	LINGO	GOSSIP LNG1-09	--	
	WC6	WALLCOVERING	MDC	ENCORE CONTRACT VOL.2	SEA CLIFF LOAM ESC2607	--	
	WP	TEXTURED WALL PANEL	MODULAR ARTS	TOPAZ	PAINT P1	32" X 32"	
	WT1	CERAMIC TILE	AMERICAN OLEAN	COLOR STORY	55 DEPENDABLE, MATTE	6" X 6"	
	WT2	PORCELAIN TILE	DALTILE	PERPETUO	ETERNAL GREY PT23	8" HEX	
	WT3	PORCELAIN TILE	DALTILE	TERRATECH	SALVIA, 3D MOSAIC	11" X 11"	
	WT4	CERAMIC TILE	AMERICAN OLEAN	COLOR STORY	52 STABLE, MATTE	6" X 6"	
MISCELLANEOUS							
		FINISHED WOOD TRIM	--	--	MATCH DOOR STAIN	--	
	PL1	PLASTIC LAMINATE	WILSONART	--	SHADOW ZEPHYR 4857-60	--	
	PL2	PLASTIC LAMINATE	WILSONART	--	5TH AVE ELM 7966K	--	
	PL3	PLASTIC LAMINATE	NEVAMAR	--	CHARCOAL ESSENCE ES60027	--	
	PL4	PLASTIC LAMINATE	NEVAMAR	--	LIBERTY RED S1027T	--	
	SS1	SOLID SURFACE	WILSONART	--	ANGEL FALLS 9223SS	--	WINDOW STOOL
	SS2	SOLID SURFACE	CORIAN	--	MAHOGANY NUWOOD	--	
	SS3	SOLID SURFACE	WILSONART	--	GOLD GLITZ 9108CS	--	
	SS4	SOLID SURFACE	WILSONART	--	TUMBLED STONE 9220CE	--	
	STR	STAIR TREAD AND RISER	TARKETT	HAMMERED	CHARCOAL 20	--	
	TP	TOILET PARTITION	HINY HIDERS	HAMMERED	BLACK	--	
	TRIM	SCHLUTER TRIM	SCHLUTER	--	ALUMINUM	--	
	WD	WOOD DOOR	MASONITE	ASPIRO	COCOA BEAN	--	
	WV	WOOD VENEER			MATCH DOOR STAIN		

AD-2

ENTIRE SHEET SHALL BE SUBMITTED IN THIS ADDENDUM

AD-2

GIBRALTAR DESIGN

ARCHITECTURE · ENGINEERING · INTERIOR DESIGN

PROJECT:

NEW ADMINISTRATION CENTER, ALTERNATIVE EDUCAITON & RESOURCE CENTER, AND RELATED WORK

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MARK	DATE	ISSUED FOR
AD-2	05/05/2022	ADDENDUM 02

AD-2

DRAWING
FINISH LEGEND AND NOTES - ADMINISTRATION BUILDING

PROJECT
NEW ADMINISTRATION CENTER, ALTERNATIVE EDUCAITON & RESOURCE CENTER, AND RELATED WORK

AD

SHEET
A-820

5/5/2022 2:45:45 PM
Y:\21-115 Crown Point CSC - New Admin Center, Alternative School, and Related Work\21-115 Drawings - New Admin Center\14 Revit\21-115_Crown Point CSC_NEW ADMIN_ARCH.rvt

FINISH LEGEND

SURFACE	MARK	DESCRIPTION	MANUFACTURER	PATTERN/FINISH	NUMBER/COLOR	SIZE	COMMENTS
CEILING MATERIALS							
	ACT1	ACOUSTICAL CEILING	ARMSTRONG	FINE FISSURED	1728 WHITE	24" X 24"	WITH HUMIGUARD PLUS
	ACT2	ACOUSTICAL CEILING	ARMSTRONG	CLEAN ROOM LV	868 WHITE	24" X 24"	VINYL FACED WITH HUMIGUARD PLUS
	P10	PAINT	SHERWIN WILLIAMS	--	CEILING BRIGHT WHITE / 7007	--	--
WALL BASE				AD-2			
	B1	VINYL	TARKETT	--	MATCH EXISTING	4" COVE	--
FLOOR MATERIALS							
AD-2	C1	CARPET TILE	SHAW	BLOX	TANGO 56850	24" X 24"	--
	VCT1	VINYL COMPOSITION TILE	ARMSTRONG	STANDARD EXCELON IMPERIAL TEXTURE	BLUE GRAY 51903	12" X 12"	--
	VCT2	VINYL COMPOSITION TILE	ARMSTRONG	STANDARD EXCELON IMPERIAL TEXTURE	DESERT BEIGE 51809	12" X 12"	--
	SC	SEALED CONCRETE	--	--	--	--	--
WALL MATERIALS							
	P1	PAINT	SHERWIN WILLIAMS	--	NOMADIC DESERT SW6107		--
	W1	WALLCOATING	SHERWIN WILLIAMS	--	NOMADIC DESERT SW6107		--
	WT1	CERAMIC TILE	AMERICAN OLEAN	--	ICE WHITE 0025 - GLOSSY	6" X 6"	--
CASEWORK AND MILLWORK			AD-2				
	PL1	PLASTIC LAMINATE	WILSONART	--	WINDSOR MAHOGANY 7039K-78	--	--
	PL2	PLASTIC LAMINATE	FORMICA	--	CONCRETE STONE 7267-58	--	--
MISCELLANEOUS	AD-2						
	PC1	PRIVACY CURTAIN	ARCHITEX	REVERE	AD-2	--	--
		METAL TRIM	SCHLUTER	--	ALUMINUM	--	--
		WOOD DOOR	--	--	MATCH EXISTING STAIN	--	--

ETR = EXISTING TO REMAIN

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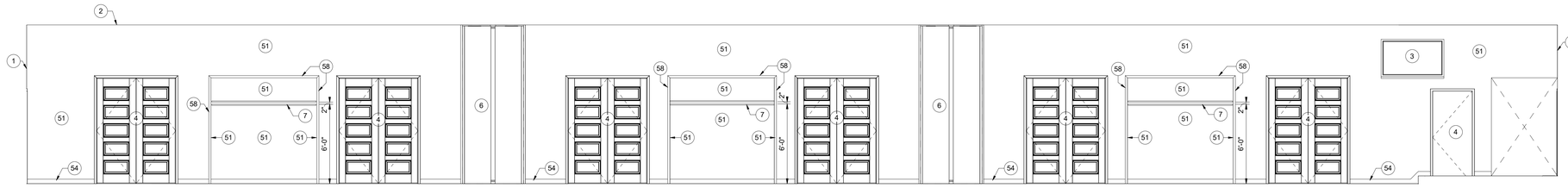
DRAWING
AD-2 FINISH LEGEND - ALTERNATIVE EDUCATION & RESOURCE CENTER

PROJECT
NEW ADMINISTRATION CENTER, ALTERNATIVE EDUCATION & RESOURCE CENTER, AND RELATED WORK

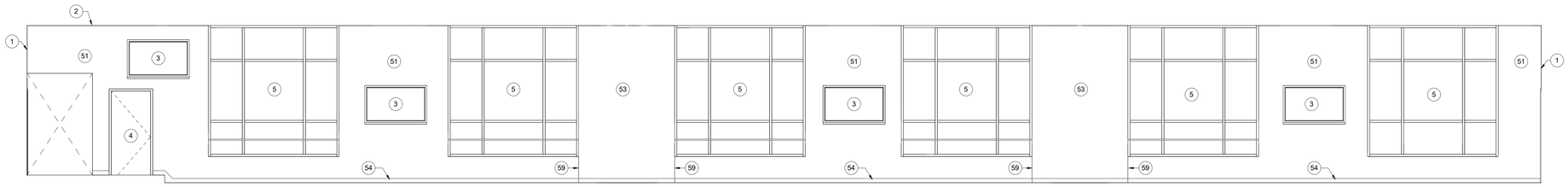
SHEET
AR A-830

Thursday, 5/5/2022 - 1:57 PM - LAST SAVED BY:EMCQUEEN
Y:\21-115 CROWN POINT CSC - NEW ADMIN CENTER, ALTERNATIVE SCHOOL AND RELATED WORK\21-115 DRAWINGS - ALTERNATIVE ED\05 ARCH\A-830.DWG



5 A-840 MEETING ROOM EAST ELEVATION

1/4" = 1'-0"



4 A-840 MEETING ROOM WEST ELEVATION

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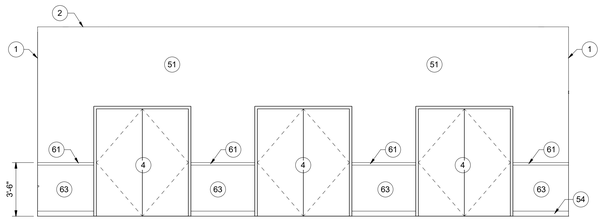
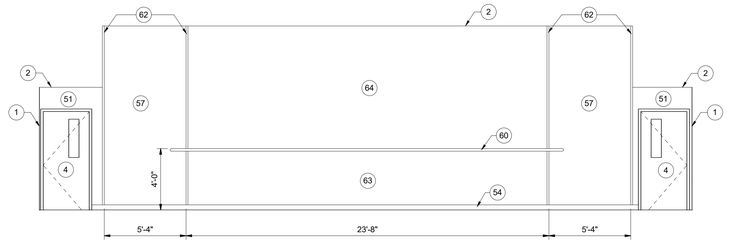


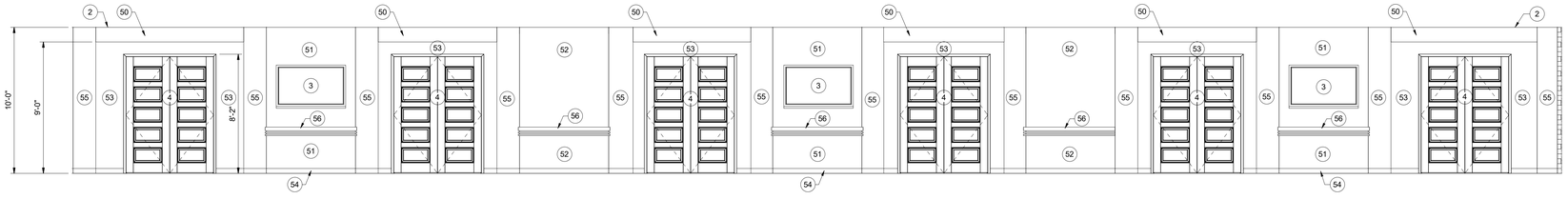
3 A-840 MEETING ROOM NORTH ELEVATION

1/4" = 1'-0"



2 A-840 MEETING ROOM SOUTH ELEVATION

1/4" = 1'-0"



1 A-840 PASSAGE 135 WEST ELEVATION

1/4" = 1'-0"

AD-2

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F. THE CONTRACTOR SHALL BE RESPONSIBLE TO VERIFY THAT ALL NEW INTERIOR WALL AND CEILING FINISHES WILL BE CLASS B MINIMUM, WITH A FLAME SPREAD RATING OF 75 MAXIMUM, AND A SMOKE DEVELOPED INDEX OF 450 MAXIMUM, PER IBC SECTION 803.

INTERIOR ELEVATION NOTES:

1. WALL LINE
2. CEILING LINE
3. TV MONITOR
4. DOOR
5. TRANSLUCENT WALL PANEL
6. FOLDABLE PARTITION WITH WALLCOVERING, WC3
7. COAT ROD AND WOOD VENEER SHELF WITH HARDWOOD EDGE, FINISHED.

INTERIOR ELEVATION FINISH NOTES:

50. PAINT, P3
51. WALLCOVERING, WC1
52. WALLCOVERING, WC6
53. WALLCOVERING, WC3
54. WALL BASE, B1
55. WALLCOVERING, WC2
56. CHAIR RAIL, 1"X4" WITH TWO SLATS BELOW, HARDWOOD FINISHED.
57. TEXTURED WALL PANEL, WP
58. WOOD TRIM, 1"X4" HARDWOOD, FINISHED.
59. V JOINT AT WALLCOVERING TRANSITION.
60. PRESENTATION RAIL, HARDWOOD FINISHED.
61. CHAIR RAIL, 1"X1" HARDWOOD FINISHED.
62. 1"X2" (ACTUAL) FINISHED VERTICAL WOOD TRIM ANCHORED WITH METAL ANGLE BRACKET HIDDEN BEHIND WALL PANEL.
63. WALLCOVERING, WC5
64. WALLCOVERING, WC4

GIBRALTAR DESIGN
ARCHITECTURE · ENGINEERING · INTERIOR DESIGN

PROJECT:

NEW ADMINISTRATION CENTER, ALTERNATIVE EDUCAITON & RESOURCE CENTER, AND RELATED WORK

CROWN POINT COMMUNITY SCHOOL CORPORATION
CROWN POINT, 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

PROJECT 21-115
DATE 4/15/22
COORDINATED BY JKF
DRAWN BY EKM
CHECKED BY NAS

JOSEPH P. BRIGGS REGISTERED NO. 11600109 STATE OF INDIANA

REVISIONS

MARK	DATE	ISSUED FOR
AD-2	05/05/2022	ADDENDUM 02

DRAWING
INTERIOR ELEVATIONS

PROJECT
NEW ADMINISTRATION CENTER, ALTERNATIVE EDUCAITON & RESOURCE CENTER, AND RELATED WORK

AD

SHEET
A-840

GENERAL REFLECTED CEILING PLAN NOTES:

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

B. THE ARCHITECTURAL REFLECTED CEILING PLAN GOVERN THE LAYOUT OF ALL CEILING ELEMENTS AND PENETRATIONS.

C. BULKHEAD FRAMING SHALL BE ATTACHED TO STRUCTURAL SUPPORTS AND NOT THE ROOF DECK.

D. REFER TO FLOOR PLANS FOR WALL TYPES

E. REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL CEILING MOUNTED ELECTRICAL ITEMS.

F. REFER TO TECHNOLOGY DRAWINGS FOR ADDITIONAL CEILING MOUNTED TECHNOLOGY ITEMS.

G. REFER TO MECHANICAL DRAWINGS FOR LOCATION OF CEILING DIFFUSERS, RETURN AIR GRILLS, AND CEILING CABINET HEATERS.

REFLECTED CEILING PLAN LEGEND:

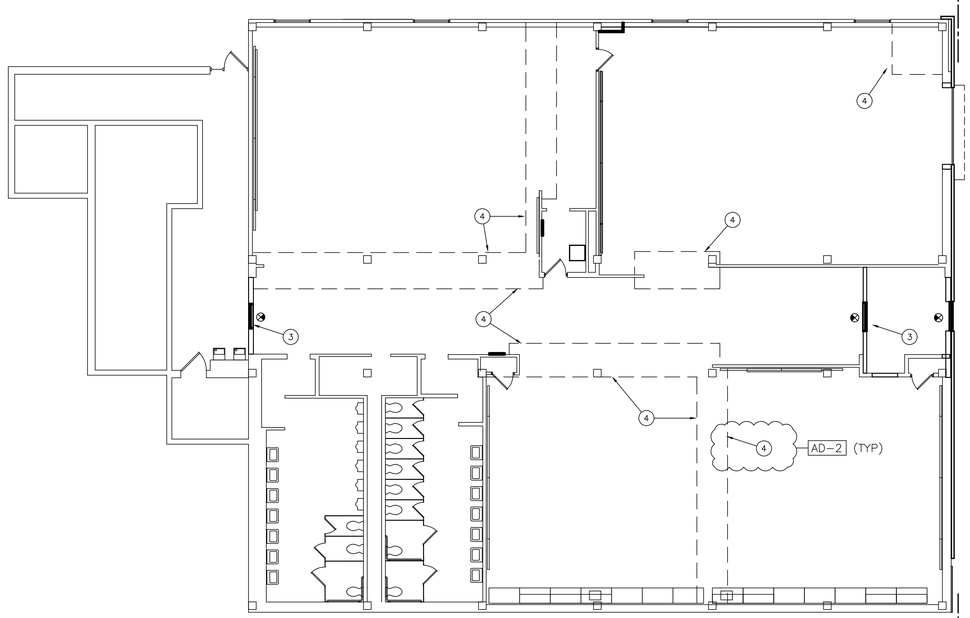
MATCH EXISTING CEILING HEIGHTS UNLESS NOTED OTHERWISE

- GYPSUM BOARD BULKHEAD/CEILING
- PLASTER CEILING
- INTERIOR FINISH SYSTEM
- EFS SOFFIT
- 2'-0" x 2'-0" ACST. BD. CEILING SEE ROOM FINISH SCHEDULE
- 2'-0" x 4'-0" ACST. BD. CEILING SEE ROOM FINISH SCHEDULE
- LED LIGHT
- EXIT LIGHT
- 1x4 LIGHT FIXTURE
- 2x4 LIGHT FIXTURE
- PENDANT LIGHT FIXTURE
- PENDANT LIGHT FIXTURE
- LINEAR LIGHT FIXTURE
- WALL SCONCE LIGHT FIXTURE
- SUPPLY AIR DIFFUSER
- LINEAR SUPPLY AIR DIFFUSER
- RETURN, EXHAUST, AND TRANSFER AIR GRILLE
- CEILING SPEAKER
- OCCUPANCY SENSOR

REFLECTED CEILING PLAN NOTES:

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

1. GYPSUM BOARD BULKHEAD. — 1/A-911
2. 3" W. SOFFIT VENT. LENGTH AS INDICATED.
3. REPAIR CEILING WHERE NEW CONSTRUCTION IS INSTALLED.
4. APPROXIMATE OUTLINE OF REMAINING EXISTING CEILING.
5. EXISTING METAL FASCIA / TRIM TO REMAIN. — AD-2



ARCHITECTURAL LOWER LEVEL FLOOR PLAN SOUTH

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

NORTH

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PROJECT
NEW ADMINISTRATION CENTER, ALTERNATIVE EDUCATION & RESOURCE CENTER, AND RELATED WORK

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PROJECT 21-115
DATE 04/15/22
COORDINATED BY EJM
DRAWN BY EJM
CHECKED BY EJM

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

REVISIONS

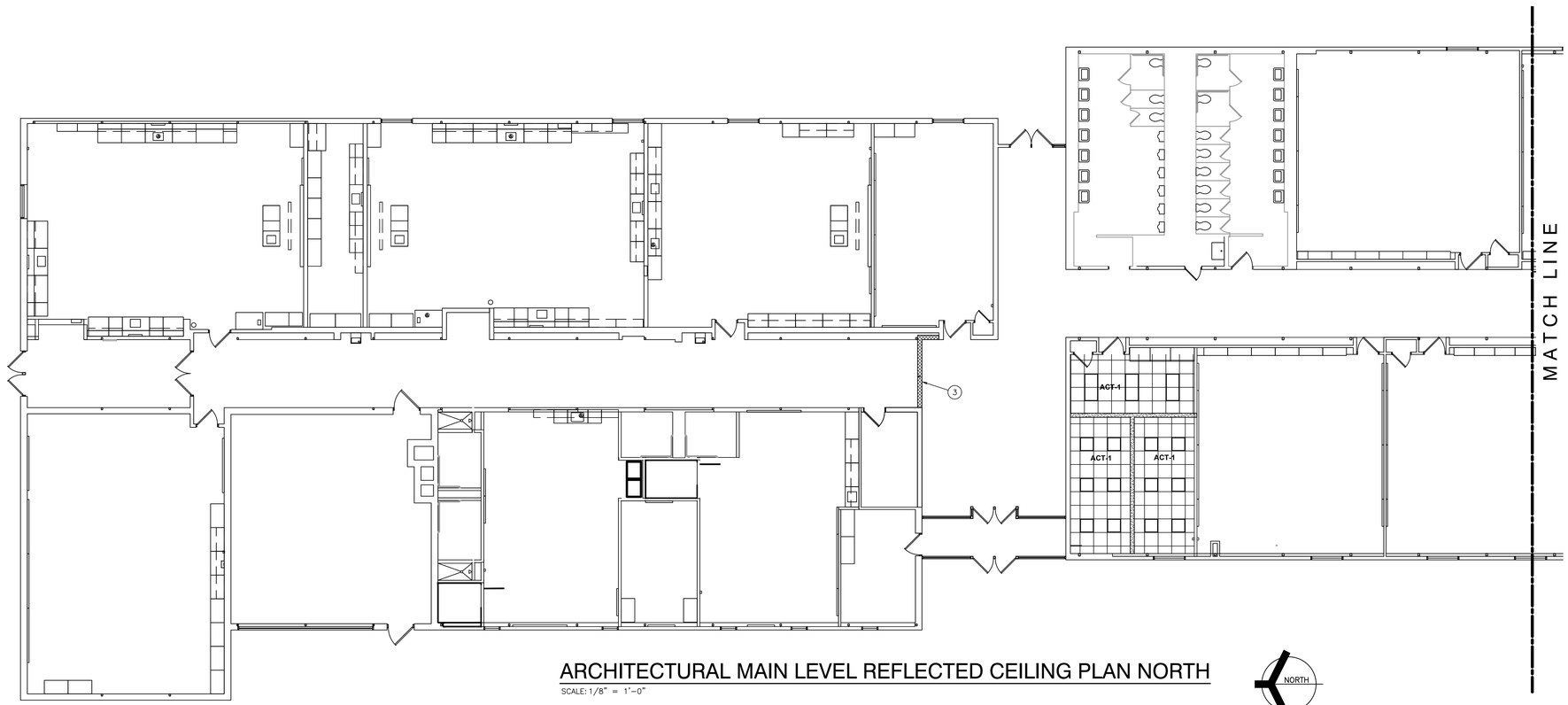
MARK	DATE	ISSUED FOR
AD-2	5/5/22	ADDENDUM NO. 2

DRAWING
LOWER LEVEL CEILING PLAN

PROJECT
NEW ADMINISTRATION CENTER, ALTERNATIVE EDUCATION & RESOURCE CENTER, AND RELATED WORK

AR

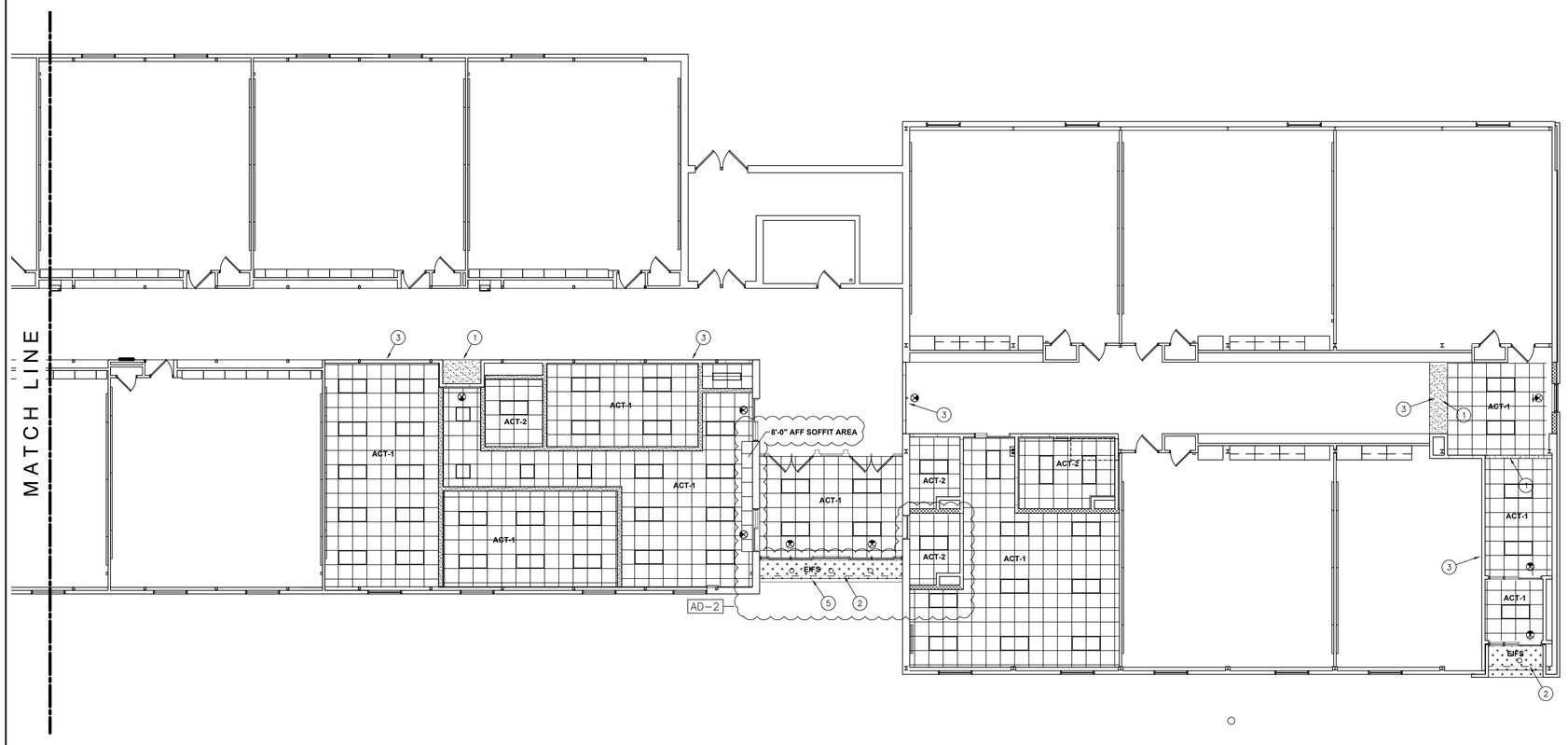
SHEET A-910



ARCHITECTURAL MAIN LEVEL REFLECTED CEILING PLAN NORTH

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

NORTH



ARCHITECTURAL MAIN LEVEL REFLECTED CEILING PLAN SOUTH

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

NORTH

GENERAL REFLECTED CEILING PLAN NOTES:

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

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C. BULKHEAD FRAMING SHALL BE ATTACHED TO STRUCTURAL SUPPORTS AND NOT THE ROOF DECK.

D. REFER TO FLOOR PLANS FOR WALL TYPES

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F. REFER TO TECHNOLOGY DRAWINGS FOR ADDITIONAL CEILING MOUNTED TECHNOLOGY ITEMS.

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REFLECTED CEILING PLAN LEGEND:

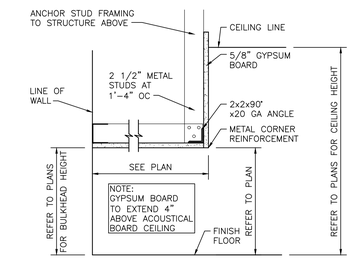
MATCH EXISTING CEILING HEIGHTS UNLESS NOTED OTHERWISE

- GYPSUM BOARD BULKHEAD/CEILING
- PLASTER CEILING
- INTERIOR FINISH SYSTEM
- EFS SOFFIT
- 2'-0" x 2'-0" ACST. BD. CEILING — SEE ROOM FINISH SCHEDULE
- 2'-0" x 4'-0" ACST. BD. CEILING — SEE ROOM FINISH SCHEDULE
- LED LIGHT
- EXIT LIGHT
- 1x4 LIGHT FIXTURE
- 2x4 LIGHT FIXTURE
- PENDANT LIGHT FIXTURE
- PENDANT LIGHT FIXTURE
- LINEAR LIGHT FIXTURE
- WALL SCONCE LIGHT FIXTURE
- SUPPLY AIR DIFFUSER
- LINEAR SUPPLY AIR DIFFUSER
- RETURN, EXHAUST, AND TRANSFER AIR GRILLE
- CEILING SPEAKER
- OCCUPANCY SENSOR

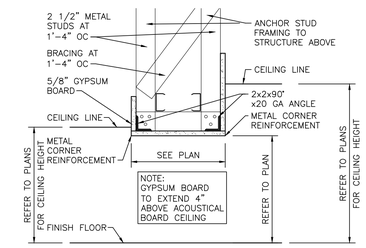
REFLECTED CEILING PLAN NOTES:

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

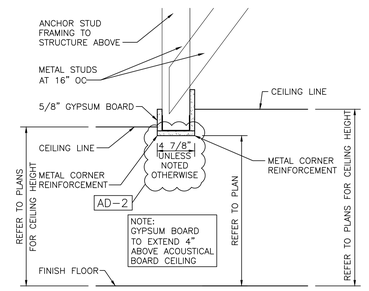
1. GYPSUM BOARD BULKHEAD. — 1/A-911
2. 3" W. SOFFIT VENT. LENGTH AS INDICATED.
3. REPAIR CEILING WHERE NEW CONSTRUCTION IS INSTALLED.
4. APPROXIMATE OUTLINE OF REMAINING EXISTING CEILING.
5. EXISTING METAL FASCIA / TRIM TO REMAIN. — AD-2



DETAIL "C"



DETAIL "B"



DETAIL "A"

GYPSUM BOARD BULKHEAD DETAILS

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

1/A-911

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PROJECT
NEW ADMINISTRATION CENTER, ALTERNATIVE EDUCATION & RESOURCE CENTER, AND RELATED WORK

CROWN POINT COMMUNITY SCHOOL CORPORATION
CROWN POINT, INDIANA

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PROJECT 21-115
DATE 04/15/22
COORDINATED BY EJM
DRAWN BY EJM
CHECKED BY EJM

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

REVISIONS

MARK	DATE	ISSUED FOR
AD-2	5/5/22	ADDENDUM NO. 2

DRAWING
MAIN LEVEL CEILING PLAN

PROJECT
NEW ADMINISTRATION CENTER, ALTERNATIVE EDUCATION & RESOURCE CENTER, AND RELATED WORK

SHEET AR A-911

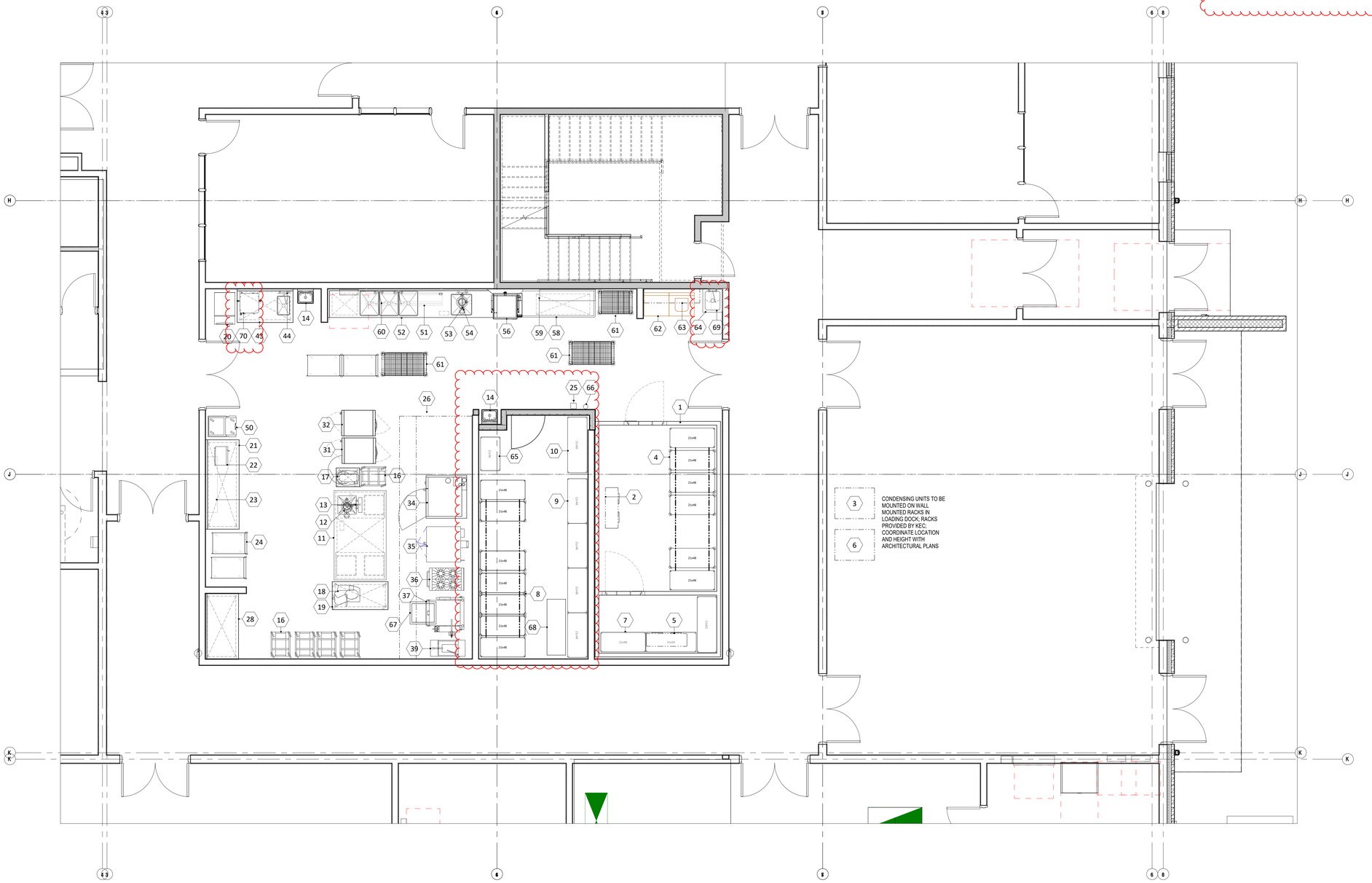
Thursday, 5/5/2022 - 2:30 PM - LAST SAVED BY:EMCCAULEY
Y:\21-115 CROWN POINT CSC - NEW ADMIN CENTER, ALTERNATIVE SCHOOL, AND RELATED WORK\21-115 DRAWINGS - ALTERNATIVE ED\05 ARCH\A-911.DWG

FOODSERVICE EQUIPMENT SCHEDULE

ITEM #	QTY	DESCRIPTION	MANUFACTURER	MODEL
1	1	WALK-IN COOLER/FREEZER	KOLPAK	CUSTOM
2	1	COOLER BLOWER COIL	PART OF ITEM #1	
3	1	COOLER CONDENSING UNIT	PART OF ITEM #1	
4	1	HI-DENSITY TOP TRACK COOLER SHELVING	INTERMETRO	METROMAX Q
5	1	FREEZER BLOWER COIL	PART OF ITEM #1	
6	1	FREEZER CONDENSING UNIT	PART OF ITEM #1	
7	3	FREEZER SHELVING UNIT	INTERMETRO	METROMAX Q
8	1	HI-DENSITY TOP TRACK DRY STORAGE SHELVING	INTERMETRO	METROMAX Q
9	4	DRY STORAGE SHELVING UNIT	INTERMETRO	METROMAX Q
10	1	LINEN STORAGE SHELVING	TARRISON	AC2460-12C
11	1	ISLAND WORKTABLE W/PREP SINK	ST. STL.	CUSTOM
12	1	Disposer, Garbage	In-Sink-Erator	SS-200-7
13	1	SPLASH MOUNT FAUCET	T&S BRASS	MPJ-8WLV-12-CR
14	2	WALL MOUNT HAND SINK	JOHN BOOS	PBHS-W-1410-SSLR
16	5	BUN PAN RACK	CHANNEL	401A
17	1	20-qt Mixer	Hobart	HL200-1STD
18	1	Slicer	Hobart	HS8-1
19	1	MOBILE WORK TABLE	CUSTOM	ST. STL.
20	1	Ice Maker w/ Bin	Manitowoc Ice	IYT0420A /D-320
21	1	WORKTABLE	CUSTOM	ST. STL.
22	1	COMMERCIAL MICROWAVE OVEN	PANASONIC	NE-1064F
23	1	WALL SHELF	CUSTOM	ST. STL.
24	4	Utility Cart	Lakeside Manufacturing	744
25	1	ANSUL PULL STATION	PART OF ITEM #26	
26	1	EXHAUST HOOD	ALLIED AIR	CUSTOM
28	1	DESK	BY ARCHITECT	NOT IN KEC CONTRACT

FOODSERVICE EQUIPMENT SCHEDULE Copy 1

ITEM #	QTY	DESCRIPTION	MANUFACTURER	MODEL
31	1	SINGLE DOOR PASS-THRU REFRIGERATOR	TRAULSEN	AHT132WPUT-FHG
32	1	SINGLE DOOR PASS-THRU HEATED CABINET	TRAULSEN	AHT132WP-FHG
34	1	DOUBLE STACKED COMBI OVENS	RATIONAL AG	ICC-6-NG/ICC-6-NG
35	1	CONVECTION OVEN - GAS - SINGLE DECK	SOUTHBEND	SLGB/12SC
36	1	Heavy Duty 24'' Gas Range	Montague	124-5
37	1	TILT SKILLET	CLEVELAND RANGE	SGL-30-T1
39	1	Fryer, Deep Fat, Gas w/Filter	Henny Penny	OFG321.0
43	1	WORKTABLE	CUSTOM	ST. STL.
44	1	SPLASH MOUNT FAUCET	T&S BRASS	B-0231-CR
50	1	ICE CADDY	CAMBRO	ICS100L110
51	1	DISH RACKING OVERSHELF	ADVANCE TABCO	DT-6R-24
52	1	SOILED DISH TABLE	CUSTOM	ST. STL.
53	1	SPLASH MOUNT PRE-RINSE FAUCET	T&S BRASS	B-0133-CR-B-SWV
54	1	Disposer, Garbage	In-Sink-Erator	SS-200-7
56	1	DISHWASHER, DOOR TYPE, HIGH TEMP VENTLESS ELECTRIC	HOBART	AM16VLT-ADV
58	1	CLEAN STRAIGHT DISHTABLE	CUSTOM	ST. STL.
59	1	WALL SHELF	CUSTOM	ST. STL.
60	2	SPLASH MOUNT FAUCET	T&S BRASS	B-0290
61	3	MOBILE DRYING RACK	Metro	PR**VX*-XDR SERIES
62	1	WASHER & DRYER	BY ARCHITECT	NOT IN KEC CONTRACT
63	1	WALL CABINET	ADVANCE TABCO	WCH-15-60
64	1	JANITORIAL MOP SINK	ADVANCE TABCO	9-OP-20
65	1	CHEMICAL STORAGE	INTERMETRO	SUPER ERECTA
66	1	CLASS K FIRE EXTINGUISHER	BY OWNER	NOT IN KEC CONTRACT
67	1	FLOOR TROUGH	CUSTOM	FABRICATED EQUIPMENT
68	1	MOBILE LINEN STORAGE	CLS	1075-60
69	1	Wall Shelf	Advance Tabco	WS-12-24
70	1	ICB TWIN	BUNN	53200.01

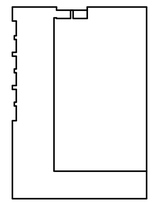


GIBRALTAR DESIGN
ARCHITECTURE · ENGINEERING · INTERIOR DESIGN

PROJECT:

NEW ADMIN. CENTER

CROWN POINT COMMUNITY SCHOOL CORPORATION CROWN POINT, INDIANA



KEY PLAN

NORTH

GIBRALTAR DESIGN
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Indianapolis, IN 46260
Homepage: www.GibraltarDesign.com
Email: info@GibraltarDesign.com
Phone 317.580.5777 Fax 317.580.5778

PROJECT
21-107
DATE
04/15/22
COORDINATED BY
SR
DRAWN BY
JN
CHECKED BY
DK

REVISIONS

MARK	DATE	ISSUED FOR
AD02	05.05.2022	Addendum #02

DRAWING
FOODSERVICE LAYOUT

PROJECT
NEW ADMIN. CENTER

SHEET
K-101

SPECIAL CONDITIONS LAYOUT NOTES

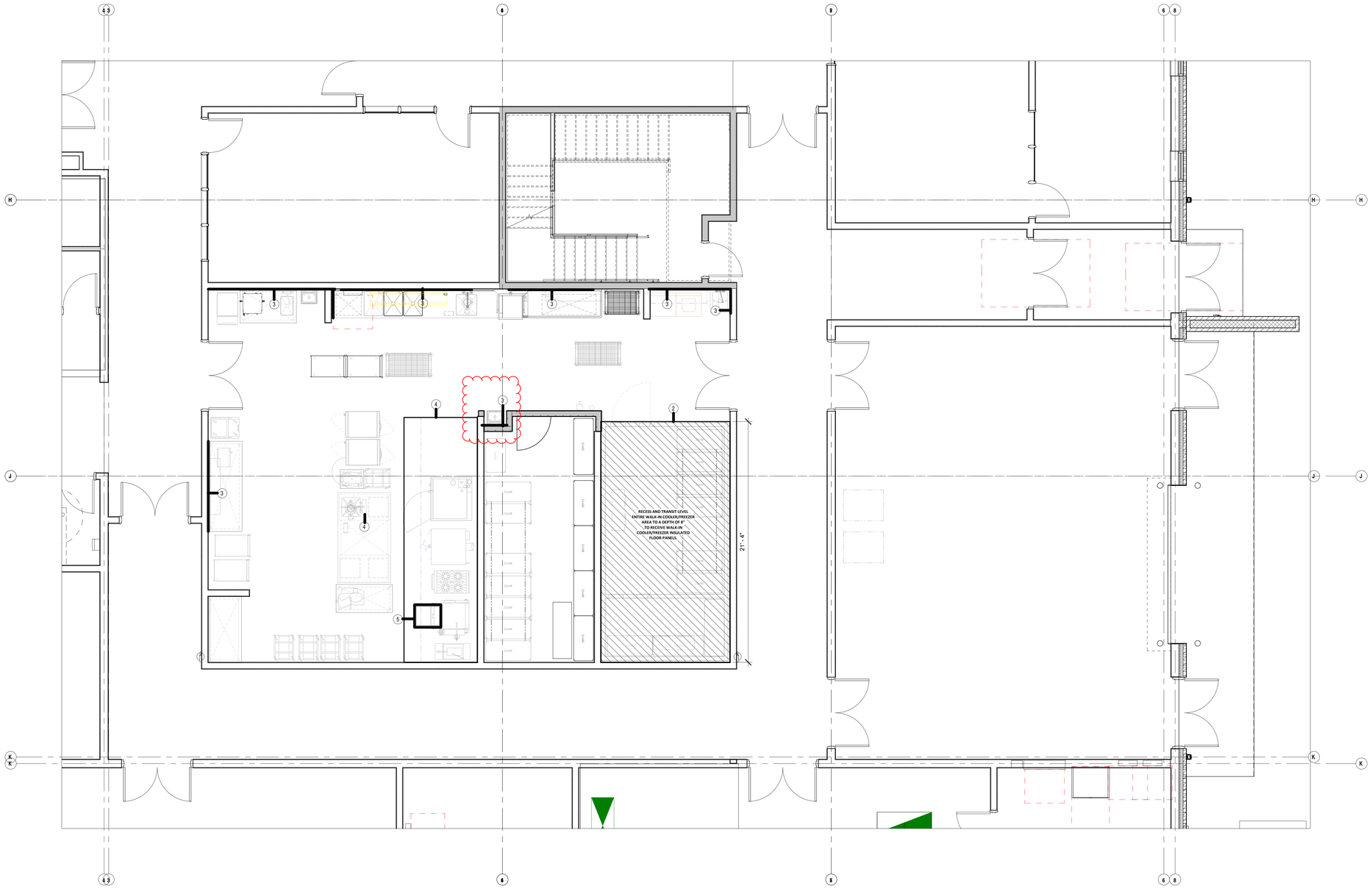
1. (BY KEC) PROVIDE 16 GAUGE STAINLESS STEEL CORNER GUARDS AS SHOWN ON PLAN OR AS NECESSARY IN FOOD PRODUCTION AREAS AND CORRIDORS, ON EVERY EXPOSED OUTSIDE CORNER OF CONSTRUCTION, WALK-IN CABINET AND VERTICAL/HORIZONTAL GAPS AND CREVICES. BREAK CORNER GUARDS 90° (+/-) FOR TIGHT FIT AND APPLY WITH MASTIC ADHESIVE. SEAL ALL CORNER GUARDS TO BUILDING WALLS WITH CLEAR SILICONE.

2. (BY GENERAL DIVISION) RECESS AND TRANSIT LEVEL ENTIRE WALK-IN COOLER/FREEZER AREA TO A DEPTH OF 8" TO RECEIVE WALK-IN COOLER/FREEZER INSULATED FLOOR PANELS. DEPRESSION TO BE CONSTRUCTED AS TO PROVIDE A LEVEL TRANSITION FROM FLOOR FINISH IN KITCHEN AREA TO THE FLOOR FINISH IN WALK-IN COOLER/FREEZER. (VERIFY REQUIRED DEPRESSION THICKNESS WITH WALK-IN MANUFACTURER'S SHOP DRAWING AND ARCHITECTURAL FLOOR FINISH SCHEDULE)

3. (BY GENERAL DIVISION) PROPERLY REINFORCE ALL WALLS AND/OR CEILINGS TO SUPPORT ALL WALL AND/OR CEILING SUPPORTED EQUIPMENT. ALL WALL BLOCKING TO BE MINIMUM 3/4" MARINE GRADE PLYWOOD. WALL BLOCKING LENGTHS SHOWN ARE MINIMUM AND WALL BLOCKING SHALL ALWAYS EXTEND TO NEXT STUD OVER IN EACH DIRECTION.

4. (BY GENERAL DIVISION) PROVIDE BOX OUT IN CEILING GRID LAYOUT FOR EXHAUST SYSTEM HOODS AS SHOWN. (REFER TO EXHAUST VENTILATION SYSTEM DRAWINGS FOR MORE INFORMATION)

5. (BY GENERAL DIVISION) PROVIDE BOX OUT IN FLOOR AREA AS SHOWN FOR FLOOR TROUGH INSTALLATION PRIOR TO POURING CONCRETE. (REFER TO FLOOR TROUGH DETAIL DRAWING FOR MORE INFORMATION)



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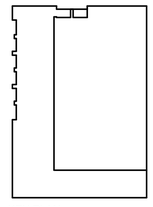
ARCHITECTURE · ENGINEERING · INTERIOR DESIGN

PROJECT:

NEW ADMIN. CENTER

CROWN POINT COMMUNITY SCHOOL CORPORATION CROWN POINT, INDIANA



KEY PLAN

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PROJECT
21-107
DATE
04/15/22
COORDINATED BY
SR
DRAWN BY
JN
CHECKED BY
DK

REVISIONS

MARK	DATE	ISSUED FOR
AD02	05.05.2022	Addendum #02

DRAWING
FOODSERVICE SPECIAL CONDITIONS LAYOUT

PROJECT
NEW ADMIN. CENTER

SHEET
K-102

EQUIPMENT					MECHANICAL									ELECTRICAL							
								GAS													
ITEM NUMBER	QUANTITY	DESCRIPTION	MANUFACTURER	MODEL	HOT WATER	COLD WATER	AFF	CONN. SIZE	MBTU	AFF	WASTE	AFF	REMARKS	ITEM NUMBER	VOLTAGE	PHASE	AMPS	HP	CONN.	AFF	REMARKS
1	1	WALK-IN COOLER/FREEZER	KOLPAK	CUSTOM										1	120	1	20.0		D	DFA	WIRE THRU LIGHTS, SWITCH, DOOR AND DRAIN LINE HEATERS. SEE K400 SHEETS FOR ADDITIONAL INFORMATION.
2	1	COOLER BLOWER COIL	PART OF ITEM #1								0.75	FD	DRAIN TO FLOOR DRAIN	2	120	1	5.0		D	DFA	SEE K400 SHEETS FOR ADDITIONAL INFORMATION
3	1	COOLER CONDENSING UNIT	PART OF ITEM #1										APPROXIMATE WEIGHT: 170 LBS. SEE ARCH DRAWINGS FOR LOCATION.	3	208	3	7.2	1.0	D	ROOF	SEE K400 SHEETS FOR ADDITIONAL INFORMATION
4	1	HI-DENSITY TOP TRACK COOLER SHELVING	INTERMETRO	METROMAX Q										4							
5	1	FREEZER BLOWER COIL	PART OF ITEM #1								0.75	FD	DRAIN TO FLOOR DRAIN	5	208	1	9.0		D	DFA	SEE K400 SHEETS FOR ADDITIONAL INFORMATION; PROVIDE ADDITONAL 120V/60/1 15.0 AMP RECEPTACLE AT 96" FOR HEAT LINE TAPE
6	1	FREEZER CONDENSING UNIT	PART OF ITEM #1										APPROXIMATE WEIGHT: 170 LBS. SEE ARCH DRAWINGS FOR LOCATION.	6	208	1	12.6	1.5	D	SU	SEE K400 SHEETS FOR ADDITIONAL INFORMATION
7	3	FREEZER SHELVING UNIT	INTERMETRO	METROMAX Q										7							
8	1	HI-DENSITY TOP TRACK DRY STORAGE SHELVING	INTERMETRO	METROMAX Q										8							
9	4	DRY STORAGE SHELVING UNIT	INTERMETRO	METROMAX Q										9							
10	1	LINEN STORAGE SHELVING	TARRISON	AC2460-12C										10							
11	1	ISLAND WORKTABLE W/PREP SINK	ST. STL.	CUSTOM							2.00	FS	DRAIN TO FLOOR SINK	11	120	1	16.0		P	SU	(5) DCO PROVIDED ON TABLE; INCLUDES POWER FOR MIXER AND SLICER
12	1	Disposer, Garbage	In-Sink-Erator	SS-200-7		0.50	DFA				2.00	0		12	208	1	5.6		D	SU	EXTEND SERVICE TO CONTROL PANEL MOUNTED ON COUNTER
13	1	SPLASH MOUNT FAUCET	T&S BRASS	MPJ-8WLV-12-CR	0.50	0.50	DFA							13							
14	2	WALL MOUNT HAND SINK	JOHN BOOS	PBHS-W-1410-SSLR	0.50	0.50	18				1.50	18		14	120	1	5.0		P	18	NEMA 5-15P REQUIRED FOR ELECTRONIC EYE FAUCET
16	5	BUN PAN RACK	CHANNEL	401A										16							
17	1	20-qt Mixer	Hobart	HL200-1STD										17	120	1	8.3		P	SU	NEMA 5-15P; POWER PROVIDED ON ISLAND WORKTABLE
18	1	Slicer	Hobart	HS8-1										18	120	1	8.3		P	SU	NEMA 5-15P; POWER PROVIDED ON ISLAND WORKTABLE
19	1	MOBILE WORK TABLE	CUSTOM	ST. STL.										19							
20	1	Ice Maker w/ Bin	Manitowoc Ice	IYT0420A /D-320		0.50	36				2.0	FD	EXTEND SERVICE TO FILTER PROVIDED BY KEC; DRAIN TO FLOOR DRAIN	20	120	1	11.3		D	48	
21	1	WORKTABLE	CUSTOM	ST. STL.		0.50	48						PROVIDE COLD WATER FOR FUTURE COFFEE EQUIPMENT	21	120	1	12.0		P	48	PROVIDE (2) 120V/20AMP DUPLEX RECEPTACLES MOUNTED IN WALL ABOVE TABLE BACKSPLASH
22	1	COMMERCIAL MICROWAVE OVEN	PANASONIC	NE-1064F										22	120	1	13.4		P	48	NEMA 5-15P
23	1	WALL SHELF	CUSTOM	ST. STL.										23							
24	4	Utility Cart	Lakeside Manufacturing	744										24							
25	1	ANSUL PULL STATION	PART OF ITEM #26											25							SEE K-500 SHEETS FOR ADDITIONAL INFORMATION
26	1	EXHAUST HOOD	ALLIED AIR	CUSTOM										26	120	1	16.0		D	DFA	FOR HOOD LIGHTS AND CONTROLS TO JUNCTION BOX ON TOP OF HOOD. SEE K500 SHEETS FOR ADDITIONAL INFO.
28	1	DESK	BY ARCHITECT	NOT IN KEC CONTRACT										28	120	1	16.0		P	48	PROVIDE (2) 120V/20AMP DUPLEX RECEPTACLES MOUNTED IN WALL ABOVE TABLE BACKSPLASH; PROVIDE DATA FOR COMPUTER STATION
31	1	SINGLE DOOR PASS-THRU REFRIGERATOR	TRUE	STA1RPT-1S-1G-HC										31	120	1	3.80		P	DFA	NEMA 5-15P; PROVIDE CEILING HUNG RECEPTACLE AT 90" AFF
32	1	SINGLE DOOR PASS-THRU HEATED CABINET	TRUE	STA1HPT-1G-1S										32	208	1	7.30		P	DFA	NEMA 6-15P; PROVIDE CEILING HUNG RECEPTACLE AT 90" AFF
34	1	DOUBLE STACKED COMBI OVENS	RATIONAL AG	ICC-6-NG/ICC-6-NG		0.50	36				2.00	FS	PROVIDE (2) WATER CONNECTIONS AT 36" AFF EXTEND SERVICE TO FILTER BY KEC; EXTEND DRAINS TO FLOOR SINK	34	208	1	15.0		P	48	NEMA 6-20P; PROVIDE (2) RECEPTACLES FOR (2) OVENS TOTAL
35	1	CONVECTION OVEN - GAS - SINGLE DECK	SOUTHBEND	SLGB/12SC				0.75	72	36				35	120	1	7.9		P	48	NEMA 5-15P
36	1	Heavy Duty 24" Gas Range	Montague	124-5				1.00	140	36				36	120	1	8.3		P	24	NEMA 5-15P
37	1	TILT SKILLET	CLEVELAND RANGE	SGL-30-T1	0.50	0.50	18	0.75	125	36		FS	PROVIDE FLOOR TROUGH IN FRONT OF TILT SKILLET	37	120	1	5.0		P	24	NEMA 5-15P
39	1	Fryer, Deep Fat, Gas w/Filter	Henny Penny	OFG321.0				0.75	85	36				39	120	1	12.0		P	24	NEMA 5-15P
43	1	WORKTABLE	CUSTOM	ST. STL.		0.50	48						PROVIDE COLD WATER FOR FUTURE COFFEE EQUIPMENT	43	120	1	12.0		P	48	PROVIDE (2) 120V/20AMP DUPLEX RECEPTACLES MOUNTED IN WALL ABOVE TABLE BACKSPLASH
44	1	SPLASH MOUNT FAUCET	T&S BRASS	B-0231-CR	0.50	0.50	14							44							
50	1	ICE CADDY	CAMBRO	ICS100L110										50							
51	1	DISH RACKING OVERSHELF	ADVANCE TABCO	DT-6R-24										51							
52	1	SOILED DISH TABLE	CUSTOM	ST. STL.							2.00	FS	EXTEND DRAINS TO FLOOR SINK AND DIRECT WASTE AS PER LOCAL CODE	52							
53	1	SPLASH MOUNT PRE-RINSE FAUCET	T&S BRASS	B-0133-CR-B-SWV	0.50	0.50	14							53							
54	1	Disposer, Garbage	In-Sink-Erator	SS-200-7		0.50	18				2.0	8		54	208	1	5.6		D	18	EXTEND SERVICE TO CONTROL PANEL MOUNTED ON COUNTER
56	1	DISHWASHER, DOOR TYPE, HIGH TEMP VENTLESS ELECTRIC	HOBART	AM16VLT-ADV	0.50	0.50	18				2.0	FS	EXTEND SERVICE TO WATER SOFTENERS PROVIDED BY KEC; EXTEND DRAIN TO FLOOR SINK	56	208	3	53.5		D	18	EXTEND SERVICE TO DISCONNECT MOUNTED ON COUNTER; SINGLE POINT CONNECTION FOR DISHMACHINE AND BOOSTER HEATER
58	1	CLEAN STRAIGHT DISHTABLE	CUSTOM	ST. STL.										58							
59	1	WALL SHELF	CUSTOM	ST. STL.										59							
60	2	SPLASH MOUNT FAUCET	T&S BRASS	B-0290	0.75	0.75	14							60							
61	3	MOBILE DRYING RACK	Metro	PR**VX*-XDR SERIES										61							
62	1	WASHER & DRYER	BY ARCHITECT	NOT IN KEC CONTRACT										62							
63	1	WALL CABINET	ADVANCE TABCO	WCH-15-60										63							
64	1	JANITORIAL MOP SINK	ADVANCE TABCO	9-OP-20	0.75	0.75	42				3.00	0	PROVIDE (2) COLD WATER CONNECTIONS; ONE FOR FAUCET AND ONE FOR CHEMICAL PROVIDE BACK FLOW PREVENTER AS REQUIRED	64							
65	1	CHEMICAL STORAGE	INTERMETRO	SUPER ERECTA										65							
66	1	CLASS K FIRE EXTINGUISHER	BY OWNER	NOT IN KEC CONTRACT										66							
67	1	FLOOR TROUGH	CUSTOM	FABRICATED EQUIPMENT							4.00	0	TRAP BELOW FLOOR FOR FLOOR TROUGH DRAIN FURNISHED BY KEC	67							
68	1	MOBILE LINEN STORAGE	CLS	1075-60										68							
69	1	Wall Shelf	Advance Tabco	WS-12-24										69							
70	1	ICB TWIN	BUNN	53200.01		0.50	48				0.50	FS	EXTEND SERVICE TO FILTER PROVIDED BY KEC; DRAIN TO FLOOR DRAIN	70	120/240	1	25.0		P	48	KEC TO PROVIDE CORD AND PLUG

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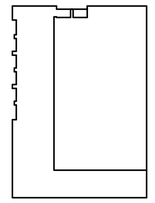

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DRAWING
FOODSERVICE EQUIPMENT SCHEDULE

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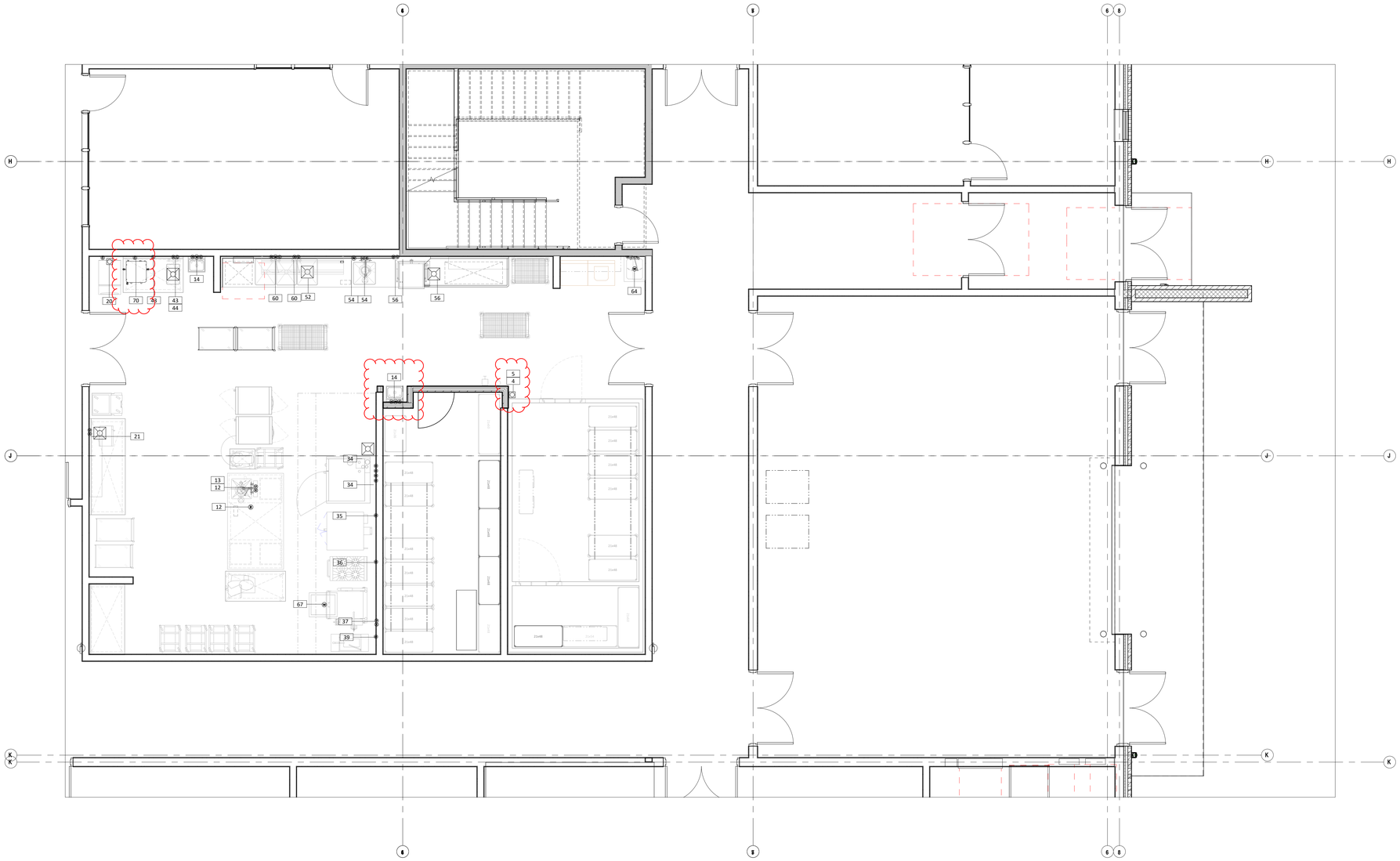
SHEET
K-200



PLUMBING LEGEND

Ⓗ	SINGLE HOT WATER CONNECTION
Ⓒ	SINGLE COLD WATER CONNECTION
ⒽⒸ	HOT & COLD WATER CONNECTION
Ⓦ	DIRECT WASTE CONNECTION
◯	INDIRECT FLOOR DRAIN
⊠	INDIRECT 12"x12" FLOOR SINK
⊟	INDIRECT 12"x12" FLOOR SINK WITH HALF GRATE
Ⓖ	GAS CONNECTION
⬡	REFER TO SHEET K400 OR K500 FOR MORE INFORMATION ON THIS EQUIPMENT

PLUMBING NOTES

1. FOODSERVICE SPOT LOCATION SCHEDULES & DRAWINGS ARE FOR REFERENCE AND BIDDING PURPOSES, TO BE USED ONLY AS A GUIDE FOR FOOD SERVICE EQUIPMENT ELECTRICAL, PLUMBING & VENTILATION SPOT LOCATIONS AND ARE NOT APPROVED FOR USE ON THE JOBSITE FOR ROUGH-IN PURPOSES. THE KITCHEN EQUIPMENT CONTRACTOR SHALL BE RESPONSIBLE FOR CREATING HIS/HER OWN ROUGH-IN SCHEDULES & DRAWINGS SHOWING ACCURATE LOCATIONS FOR UTILITIES AND WORK TO BE INSTALLED IN ACCORDANCE WITH ALL FEDERAL, STATE & LOCAL CODES.

2. ALL SPOT LOCATIONS SHOWN ON THESE DRAWINGS ARE SPECIFIC TO THE EQUIPMENT SHOWN ON THE FOODSERVICE EQUIPMENT PLAN. REFER TO ARCHITECTURAL & PLUMBING DRAWING SETS FOR ADDITIONAL PLUMBING REQUIREMENTS NOT SHOWN.

3. ALL FLOOR AREAS IN THE KITCHEN & SERVING SPACE SHALL BE "TRANSIT LEVEL". DO NOT SLOPE FLOOR TO FLOOR DRAINS OR FLOOR SINKS IN THIS AREA.

4. PLUMBING DIVISION TO INSTALL ALL FAUCET ASSEMBLIES, PRE-RINSE SPRAY ASSEMBLIES, HOSE ASSEMBLIES, VACUUM BREAKERS, CHECK VALVES, FLOW CONTROL VALVES, SOLENOID VALVES, WATER PRESSURE REDUCING VALVES, GAS PRESSURE REDUCING VALVES, TEMPERATURE GAUGES, PRESSURE GAUGES, WATER HAMMER SHOCK ABSORBERS & WATER FILTRATION SYSTEMS FURNISHED BY THE KITCHEN EQUIPMENT CONTRACTOR.

5. PLUMBING DIVISION TO FURNISH & INSTALL ALL WATER, GAS & STEAM SUPPLY LINES, DRAIN MANIFOLDS & TAILPIECES, TRAPS, SHUT-OFF VALVES, VENT PIPING, GAS SUPPLY LINE STRAINERS/FILTERS, BACK FLOW PREVENTION DEVICES, FLOOR DRAINS & FLOOR SINKS AS REQUIRED FOR EQUIPMENT INSTALLATION AND ANY CODE REQUIREMENTS. ALL SUPPLY LINES SERVICING EQUIPMENT ADJACENT TO AN EXTERIOR WALL ARE TO BE RAN ALONG INTERIOR FACE OF WALL TO AVOID POTENTIAL FREEZING.

6. PLUMBING DIVISION TO FURNISH & INSTALL STAINLESS STEEL OR CHROME PLATED BRASS ESCUTCHEONS OR FLANGES FOR UTILITY LINES WHICH EXTEND THROUGH BUILDING WALLS AND EQUIPMENT. ALL PENETRATIONS TO BE SEALED WATER-TIGHT AND VERMIN PROOF.

7. PLUMBING DIVISION TO FURNISH & INSTALL TYPE "L" COPPER TUBING DRAIN LINES FROM ALL APPLICABLE EQUIPMENT TO FLOOR SINKS, (INCLUDING WALK-IN COOLER AND FREEZER COILS) AND TO INSULATE ALL DRAIN LINES FROM ICE BINS, REFRIGERATION EQUIPMENT ETC.. MECHANICAL DIVISION TO INSTALL DRAIN LINES SO THEY DO NOT AFFECT UNDERCOUNTER STORAGE AND OTHER OPERATIONAL FUNCTIONS OF THE FIXTURES.

8. PLUMBING DIVISION TO FURNISH & INSTALL CHROME PLATED PIPING ON ALL EXPOSED PIPING ABOVE COUNTER HEIGHT OR IN "DIRECT" LINE OF SIGHT TO THE OWNER/OPERATOR.

9. PLUMBING DIVISION TO FURNISH & INSTALL ALL 12"x12"x8" FLOOR SINKS WITH HALF GRATES. FLOOR SINKS TO BE MOUNTED IN FLOOR SUCH THAT THE TOP OF THE RIM WILL BE FLUSH WITH FINISHED FLOOR ELEVATION UNLESS OTHERWISE DIRECTED BY STATE & LOCAL CODES. FLOOR SINKS FOR DISHMACHINES AND ALL COOKING EQUIPMENT TO HAVE A MINIMUM OF 3" DRAIN CONNECTION.

10. MECHANICAL DIVISION TO COOL, HEAT &/OR VENTILATE FOOD SERVICE DRY STORAGE ROOM TO MAINTAIN A TEMPERATURE OF 68 DEGREES TO 72 DEGREES YEAR AROUND.

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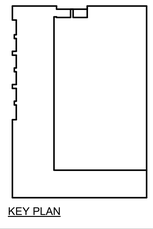

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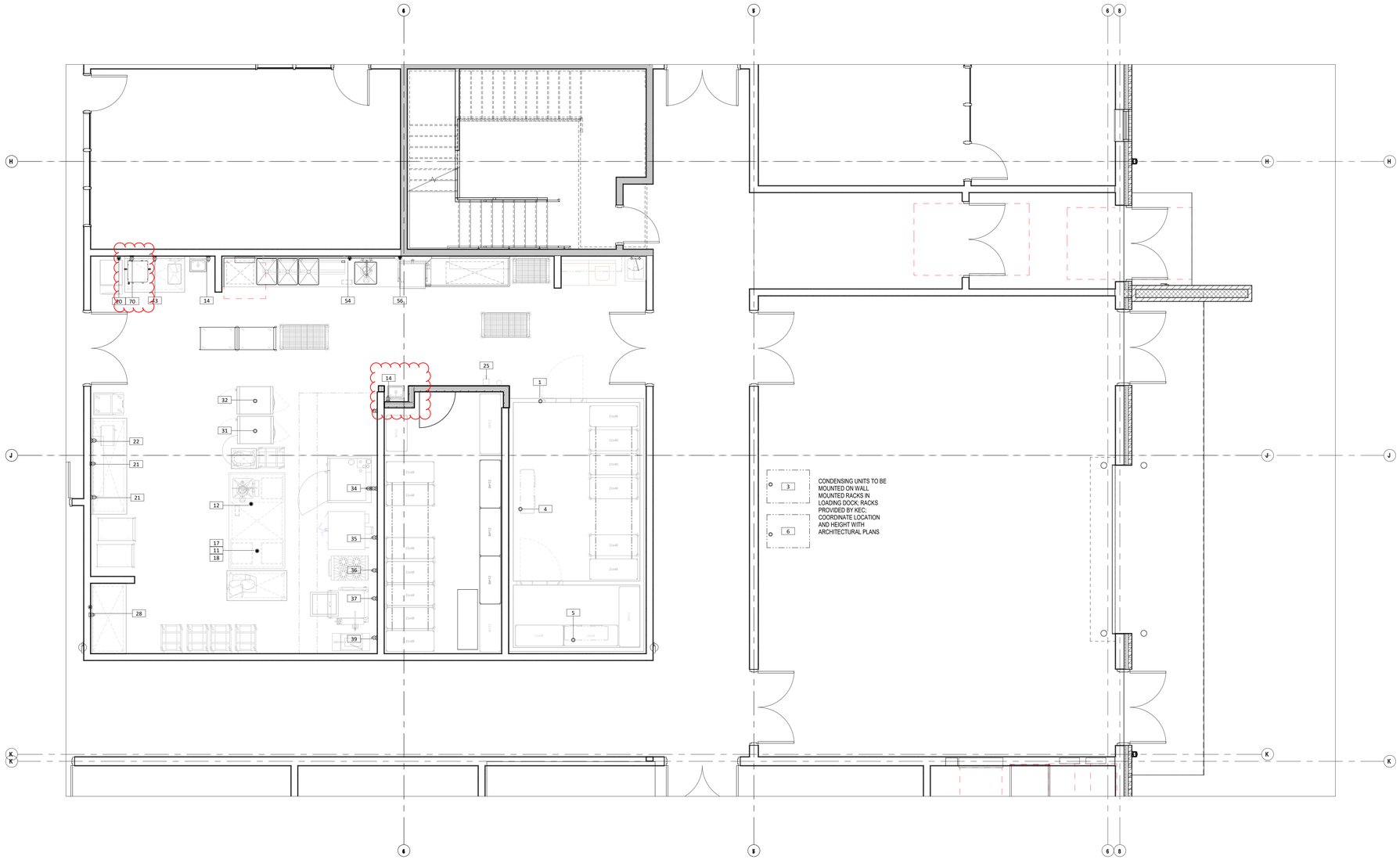
SHEET
K-300



ELECTRICAL LEGEND

	EQUIPMENT ELECTRICAL CONNECTION
	WALL MOUNTED DUPLEX CONVENIENCE OUTLET
	FIXTURE MOUNTED DUPLEX CONVENIENCE OUTLET
	PIGTAIL FLEX CONDUIT
	EQUIPMENT ELECTRICAL CONNECTION (STUB)
	EQUIPMENT ELECTRICAL CONNECTION (DFA)
	SWITCH
D	DATA CONNECTION

ELECTRICAL NOTES

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2. ALL SPOT LOCATIONS SHOWN ON THESE DRAWINGS ARE SPECIFIC TO THE EQUIPMENT SHOWN ON THE FOODSERVICE EQUIPMENT PLAN. REFER TO ARCHITECTURAL & ELECTRICAL DRAWING SETS FOR ADDITIONAL ELECTRICAL REQUIREMENTS NOT SHOWN.
3. ELECTRICAL AMPERAGE NOTED IN SCHEDULE INDICATES AMP "DRAW" & NOT CIRCUIT BREAKER SIZE UNLESS OTHERWISE NOTED. ELECTRICAL DIVISION IS RESPONSIBLE FOR PROPER CIRCUIT BREAKER SIZING
4. ELECTRICAL DIVISION TO VERIFY ALL FOODSERVICE EQUIPMENT WITH DIRECT ELECTRICAL CONNECTION TO BE IN LINE OF SIGHT OF KITCHEN ELECTRICAL DISTRIBUTION PANEL, AND IF NOT, ELECTRICAL DIVISION TO FURNISH & INSTALL A FUSED QUICK DISCONNECT ADJACENT TO EQUIPMENT.
5. ELECTRICAL DIVISION TO INSTALL ALL CONTROL PANELS, STARTERS, SOLENOID VALVES, JUNCTION BOXES & DISCONNECT SWITCHES FURNISHED BY THE KITCHEN EQUIPMENT CONTRACTOR.
6. ELECTRICAL DIVISION TO FURNISH & INSTALL ALL WIRING, ELECTRICAL OUTLETS, STARTERS, JUNCTION BOXES, DISCONNECT SWITCHES & CONDUIT REQUIRED FOR EQUIPMENT INSTALLATION IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS & ELECTRICAL CODE REQUIREMENTS. ELECTRICAL RECEPTACLES TO BE FLUSH MOUNTED UNLESS OTHERWISE NOTED.
7. ELECTRICAL DIVISION TO FURNISH & INSTALL GROUNDING WIRE TO ALL FOOD SERVICE EQUIPMENT IN ADDITION TO THE NUMBER OF WIRES NOTED IN INDIVIDUAL SERVICES.
8. ELECTRICAL DIVISION TO FURNISH & INSTALL GROUND FAULT PROTECTION FOR ANY RECEPTACLE WITHIN THE KITCHEN & SERVING AREAS.
9. ELECTRICAL DIVISION TO FURNISH & INSTALL SHUNT TRIP BREAKERS FOR ALL ELECTRICAL SERVICE TO EQUIPMENT UNDER EXHAUST HOODS WHEN FIRE SUPPRESSION SYSTEM IS REQUIRED.
10. ELECTRICAL DIVISION TO FURNISH 6'-0" PIGTAIL FLEX CONDUIT AT ALL DIRECT CONNECTION STUB-OUTS AND EXTEND TO FINAL CONNECTION ON EQUIPMENT. ELECTRICAL DIVISION TO PROVIDE CAPS AND CORDS FOR ALL ITEMS WHICH USE CONVENIENCE OUTLETS WHEN NOT SUPPLIED BY THE MANUFACTURER AND SHORTEN ANY CORDS IF NECESSARY.

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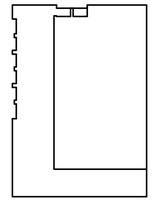

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DRAWING
FOODSERVICE ELECTRICAL LAYOUT

PROJECT
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SHEET
K-301

VOLUME 1

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AD T-402 TELECOMMUNICATIONS ROOM 223 ENLARGED DETAILS

AR T-410 TELECOMMUNICATIONS ALT ED ROOMS ENLARGED

T-501 OUTLET DETAILS
T-502 OUTLET DETAILS
T-503 TELECOMMUNICATIONS ROOM DETAILS
T-511 TELECOMMUNICATIONS DETAILS

T-601 TELECOMMUNICATIONS DIAGRAMS

T-701 TELECOMMUNICATIONS PATHWAY AND ROUGH-IN
T-702 TELECOMMUNICATIONS PATHWAY AND ROUGH-IN

T-741 AUDIO VISUAL ROUGH-IN DETAILS
T-742 AUDIO VISUAL ROUGH-IN DETAILS

T-771 SECURITY ROUGH-IN DETAILS

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PROJECT
NEW ADMINISTRATION CENTER, ALTERNATIVE EDUCATION & RESOURCE CENTER, AND RELATED WORK

CROWN POINT COMMUNITY SCHOOL CORPORATION
CROWN POINT, INDIANA

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PROJECT 21-115
DATE 04/15/22
COORDINATED BY EJM
DRAWN BY RGH
CHECKED BY EJM

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

REVISIONS

MARK	DATE	ISSUED FOR
AD-2	05/05/22	ADDENDUM NO. 2

DRAWING
SHEET INDEX
VOLUME 1

PROJECT
NEW ADMINISTRATION CENTER, ALTERNATIVE EDUCATION & RESOURCE CENTER, AND RELATED WORK

SHEET
G-104

Thursday, 5/5/2022 - 4:35 PM - LAST SAVED BY:RHAMID
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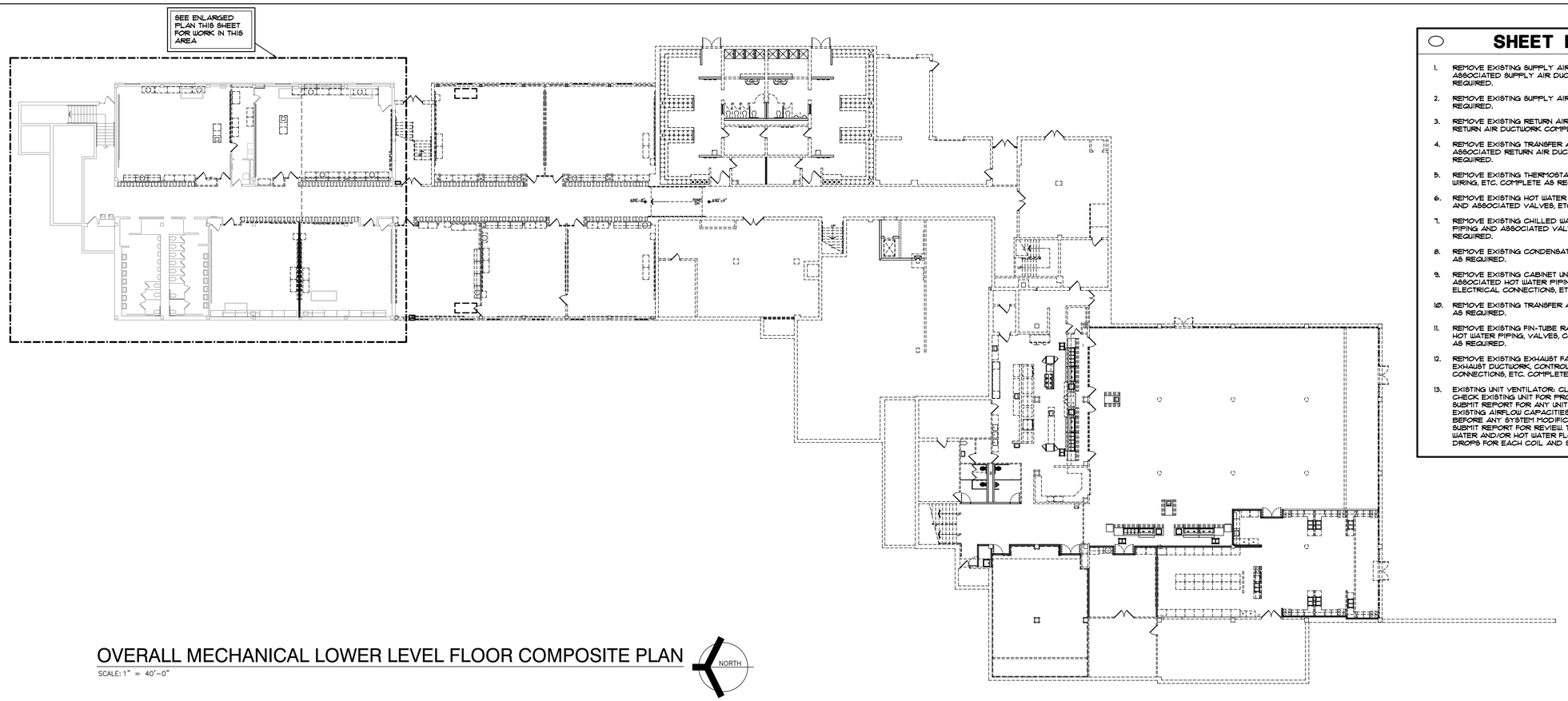


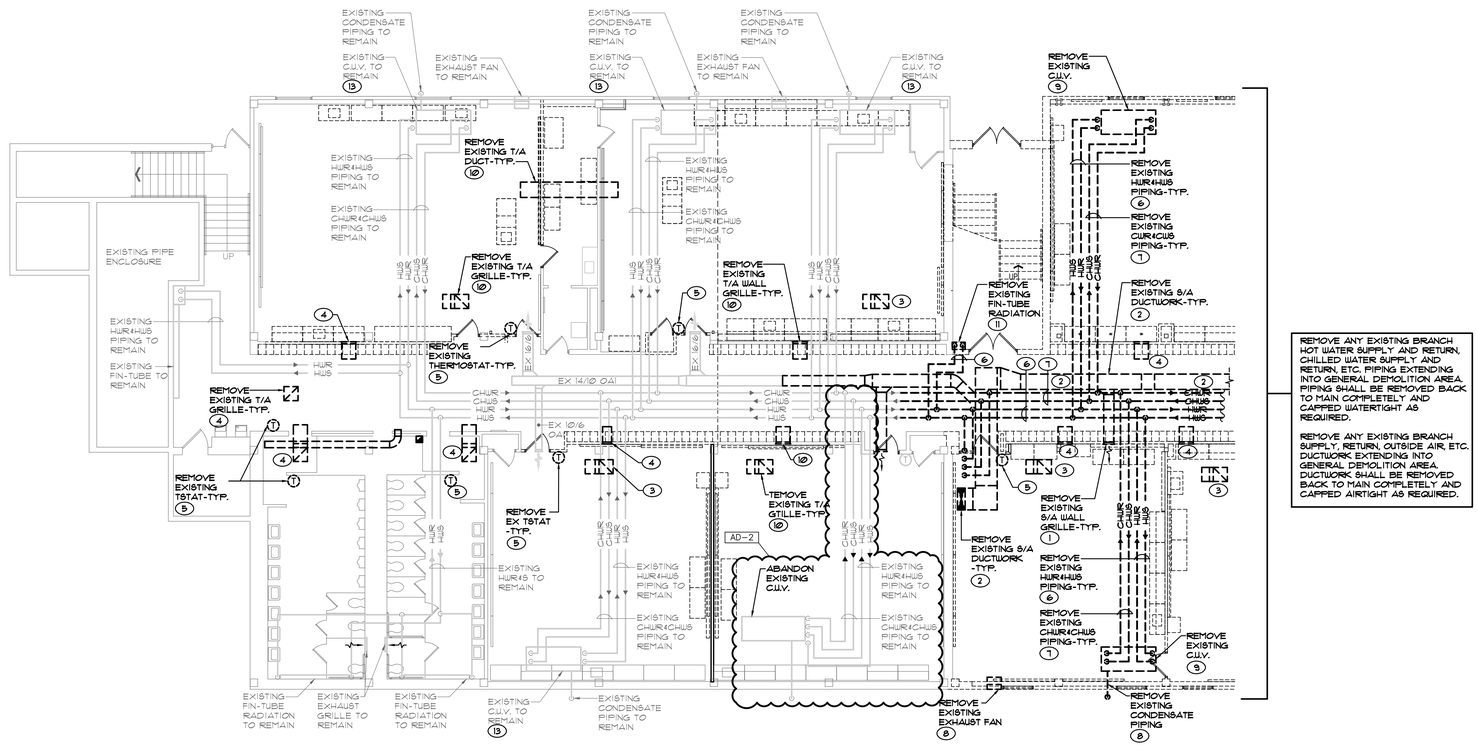
SHEET NOTES

1. REMOVE EXISTING SUPPLY AIR WALL DIFFUSER AND ASSOCIATED SUPPLY AIR DUCTWORK COMPLETE AS REQUIRED.
2. REMOVE EXISTING SUPPLY AIR DUCTWORK COMPLETE AS REQUIRED.
3. REMOVE EXISTING RETURN AIR GRILLE AND ASSOCIATED RETURN AIR DUCTWORK COMPLETE AS REQUIRED.
4. REMOVE EXISTING TRANSFER AIR GRILLE AND ASSOCIATED RETURN AIR DUCTWORK COMPLETE AS REQUIRED.
5. REMOVE EXISTING THERMOSTAT AND ASSOCIATED TUBING, WIRING, ETC. COMPLETE AS REQUIRED.
6. REMOVE EXISTING HOT WATER SUPPLY & RETURN PIPING AND ASSOCIATED VALVES, ETC. COMPLETE AS REQUIRED.
7. REMOVE EXISTING CHILLED WATER SUPPLY & RETURN PIPING AND ASSOCIATED VALVES, ETC. COMPLETE AS REQUIRED.
8. REMOVE EXISTING CONDENSATE DRAIN PIPING COMPLETE AS REQUIRED.
9. REMOVE EXISTING CABINET UNIT VENTILATOR AND ASSOCIATED HOT WATER PIPING, VALVES, CONTROLS, ELECTRICAL CONNECTIONS, ETC. COMPLETE AS REQUIRED.
10. REMOVE EXISTING TRANSFER AIR DUCTWORK COMPLETE AS REQUIRED.
11. REMOVE EXISTING FIN-TUBE RADIATION AND ASSOCIATED HOT WATER PIPING, VALVES, CONTROLS, ETC. COMPLETE AS REQUIRED.
12. REMOVE EXISTING EXHAUST FAN AND ASSOCIATED GRILLE, EXHAUST DUCTWORK, CONTROLS, ELECTRICAL CONNECTIONS, ETC. COMPLETE AS REQUIRED.
13. EXISTING UNIT VENTILATOR: CLEAN, LUBRICATE AND CHECK EXISTING UNIT FOR PROPER OPERATION AND SUBMIT REPORT FOR ANY UNIT DEFICIENCIES. TEST THE EXISTING AIRFLOW CAPACITIES EXISTING UNIT VENTILATOR BEFORE ANY SYSTEM MODIFICATIONS ARE BEGUN AND SUBMIT REPORT FOR REVIEW. TEST THE EXISTING CHILLED WATER AND/OR HOT WATER FLOW RATES AND PRESSURE DROPS FOR EACH COIL AND SUBMIT REPORT FOR REVIEW.

OVERALL MECHANICAL LOWER LEVEL FLOOR COMPOSITE PLAN

SCALE: 1" = 40'-0"

NORTH



REMOVE ANY EXISTING BRANCH HOT WATER SUPPLY AND RETURN, CHILLED WATER SUPPLY AND RETURN, ETC. PIPING EXTENDING INTO GENERAL DEMOLITION AREA. PIPING SHALL BE REMOVED BACK TO MAIN COMPLETELY AND CAPPED WATERTIGHT AS REQUIRED.

REMOVE ANY EXISTING BRANCH SUPPLY, RETURN, OUTSIDE AIR, ETC. DUCTWORK EXTENDING INTO GENERAL DEMOLITION AREA. DUCTWORK SHALL BE REMOVED BACK TO MAIN COMPLETELY AND CAPPED AIRTIGHT AS REQUIRED.

MECHANICAL LOWER LEVEL FLOOR DEMOLITION PLAN SOUTH

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

NORTH

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PROJECT 21-115
DATE 04/15/22
COORDINATED BY SM
DRAWN BY GL
CHECKED BY DJ

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

REVISIONS

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AD-2	05/05/22	ADDENDUM NO. 2

DRAWING
MECHANICAL LOWER LEVEL DEMOLITION PLAN

PROJECT
NEW ADMINISTRATION CENTER, ALTERNATIVE EDUCATION & RESOURCE CENTER, AND RELATED WORK

SHEET
AR MD110

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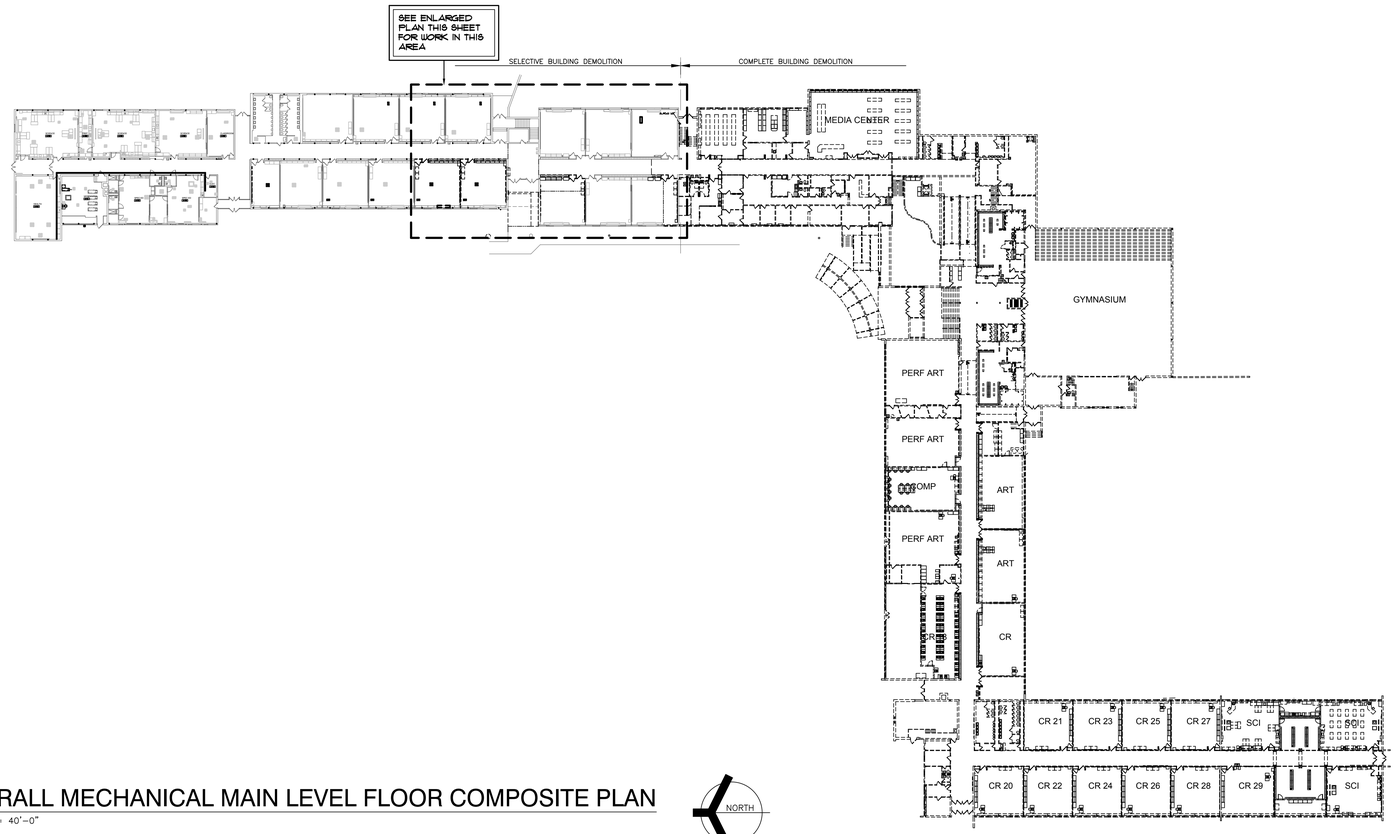

OVERALL MECHANICAL MAIN LEVEL FLOOR COMPOSITE PLAN

SCALE: 1" = 40'-0"

NORTH

SHEET NOTES

1. REMOVE EXISTING SUPPLY AIR DIFFUSER AND ASSOCIATED SUPPLY AIR DUCTWORK COMPLETE AS REQUIRED.
2. REMOVE EXISTING SUPPLY AIR WALL DIFFUSER AND ASSOCIATED SUPPLY AIR DUCTWORK COMPLETE AS REQUIRED.
3. REMOVE EXISTING SUPPLY AIR DUCTWORK COMPLETE AS REQUIRED.
4. REMOVE EXISTING TRANSFER AIR GRILLE AND ASSOCIATED RETURN AIR DUCTWORK COMPLETE AS REQUIRED.
5. REMOVE EXISTING HOT WATER SUPPLY & RETURN PIPING AND ASSOCIATED VALVES, ETC. COMPLETE AS REQUIRED.
6. REMOVE EXISTING CHILLED WATER SUPPLY & RETURN PIPING AND ASSOCIATED VALVES, ETC. COMPLETE AS REQUIRED.
7. REMOVE EXISTING CONDENSATE DRAIN PIPING COMPLETE AS REQUIRED.
8. REMOVE EXISTING CABINET UNIT VENTILATOR AND ASSOCIATED HOT WATER PIPING, VALVES, CONTROLS, ELECTRICAL CONNECTIONS, ETC. COMPLETE AS REQUIRED.
9. REMOVE EXISTING THERMOSTAT AND ASSOCIATED TUBING, WIRING, ETC. COMPLETE AS REQUIRED.
10. REMOVE EXISTING C.R.U. UNIT COMPLETE AS REQUIRED.
11. EXISTING UNIT VENTILATOR: CLEAN, LUBRICATE AND CHECK EXISTING UNIT FOR PROPER OPERATION AND SUBMIT REPORT FOR ANY UNIT DEFICIENCIES. TEST THE EXISTING AIRFLOW CAPACITIES EXISTING UNIT VENTILATOR BEFORE ANY SYSTEM MODIFICATIONS ARE BEGUN AND SUBMIT REPORT FOR REVIEW. TEST THE EXISTING CHILLED WATER AND/OR HOT WATER FLOW RATES AND PRESSURE DROPS FOR EACH COIL AND SUBMIT REPORT FOR REVIEW.

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MECHANICAL MAIN LEVEL FLOOR DEMOLITION PLAN SOUTH

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

NORTH

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PROJECT
NEW ADMINISTRATION CENTER, ALTERNATIVE EDUCATION & RESOURCE CENTER, AND RELATED WORK

CROWN POINT COMMUNITY SCHOOL CORPORATION
CROWN POINT, INDIANA

KEY PLAN

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PROJECT 21-115
DATE 04/15/22
COORDINATED BY SM
DRAWN BY CL
CHECKED BY DJ

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

REVISIONS

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DRAWING
MECHANICAL MAIN LEVEL DEMOLITION PLAN

PROJECT
NEW ADMINISTRATION CENTER, ALTERNATIVE EDUCATION & RESOURCE CENTER, AND RELATED WORK

SHEET AR MD111

Wednesday, 5/4/2022 - 1:33 PM - LAST SAVED BY:GLINDBLOOM
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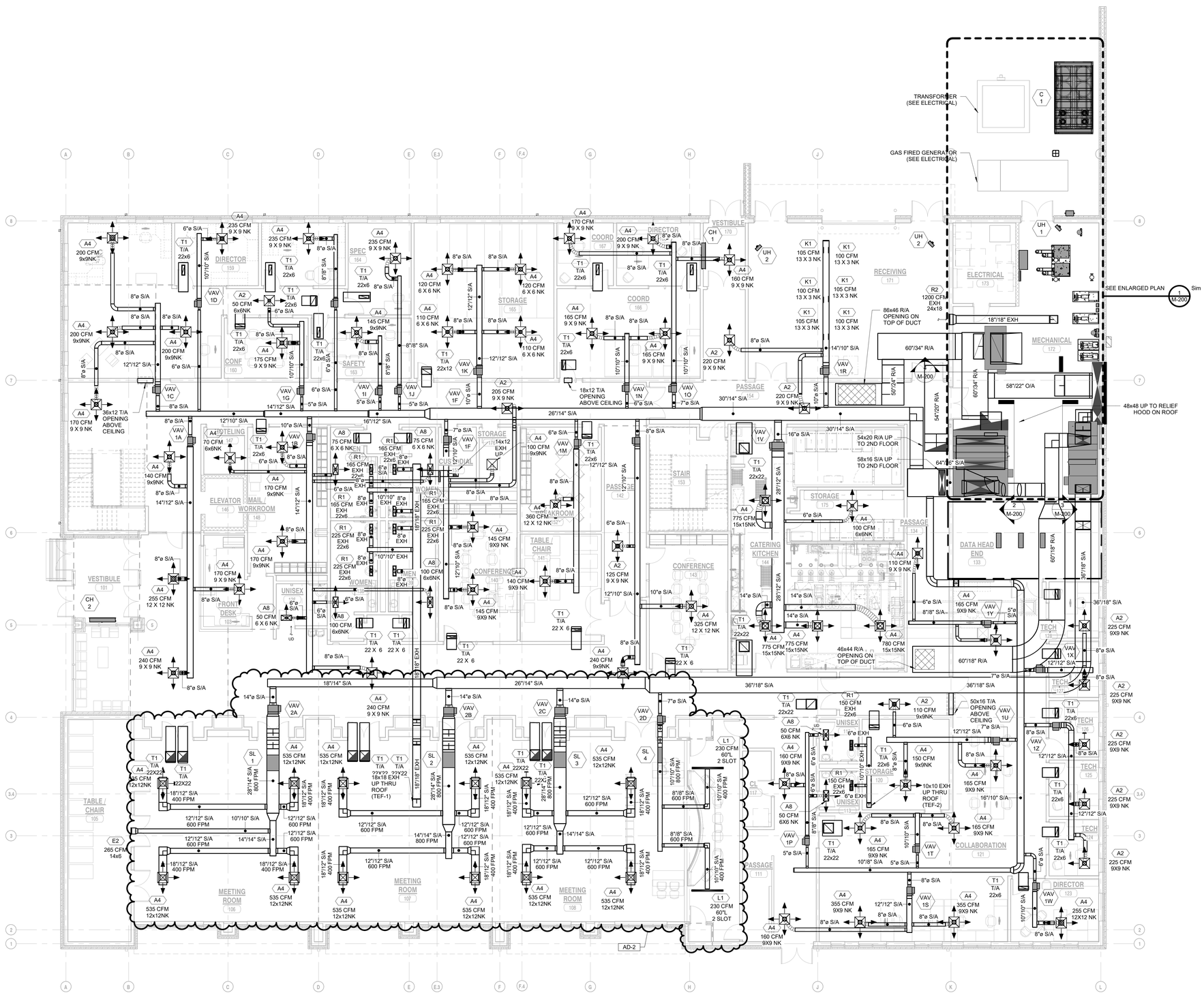

1 MV101 **FIRST FLOOR MECHANICAL DUCTWORK PLAN**
1/8" = 1'-0"

NORTH

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PROJECT
21-115
DATE
04/15/22
COORDINATED BY
SM
DRAWN BY
LvB
CHECKED BY
DJ

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

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DRAWING
FIRST FLOOR MECHANICAL DUCTWORK PLAN

PROJECT
NEW ADMINISTRATION CENTER, ALTERNATIVE EDUCATION & RESOURCE CENTER, AND RELATED WORK

SHEET
AD
MV101

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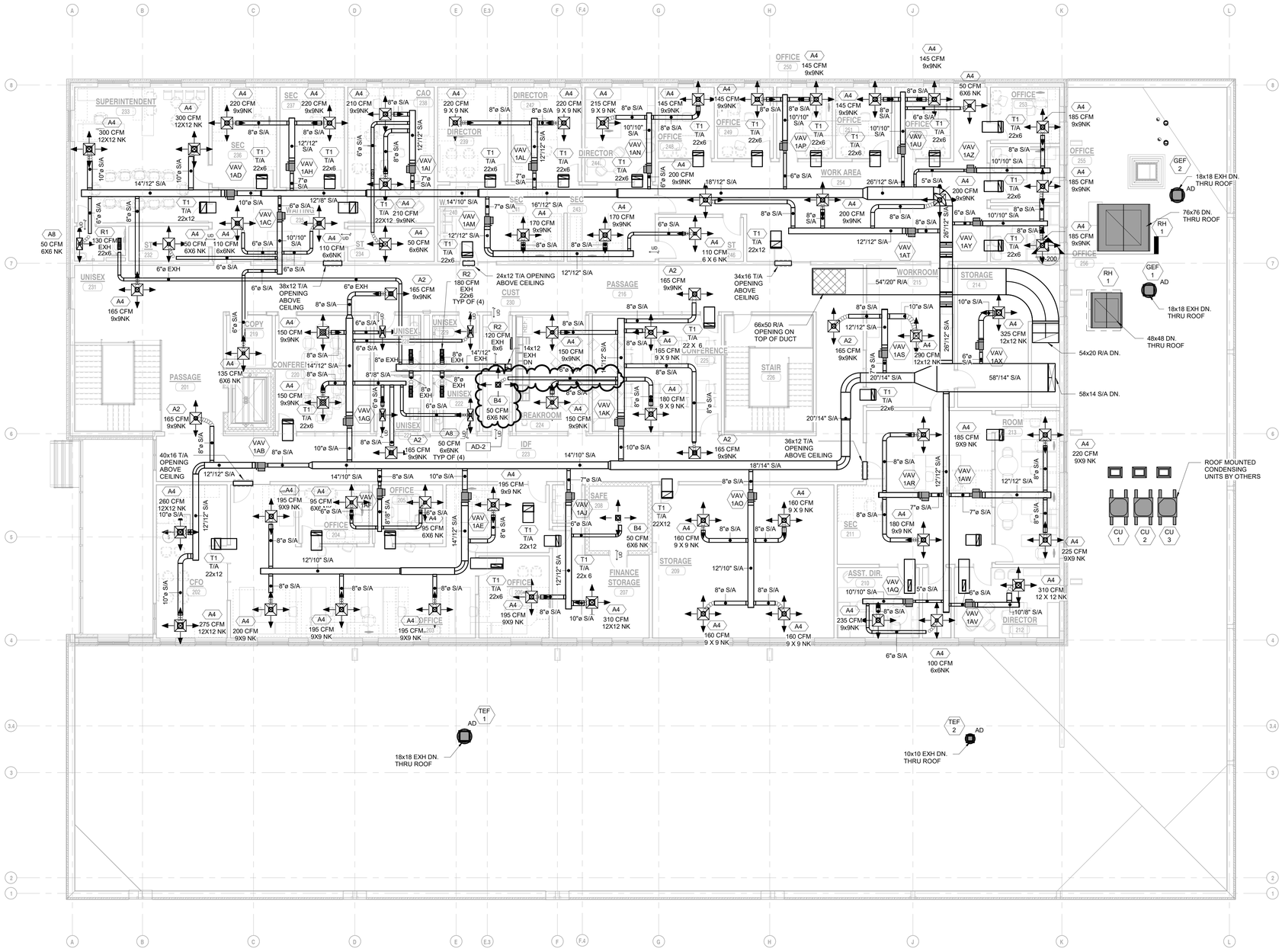

1 MV102 **SECOND FLOOR MECHANICAL DUCTWORK PLAN**
1/8" = 1'-0"

NORTH

5/4/2022 9:59:27 AM
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AD-2	05/05/22	ADDENDUM NO. 2

DRAWING
SECOND FLOOR MECHANICAL DUCTWORK PLAN

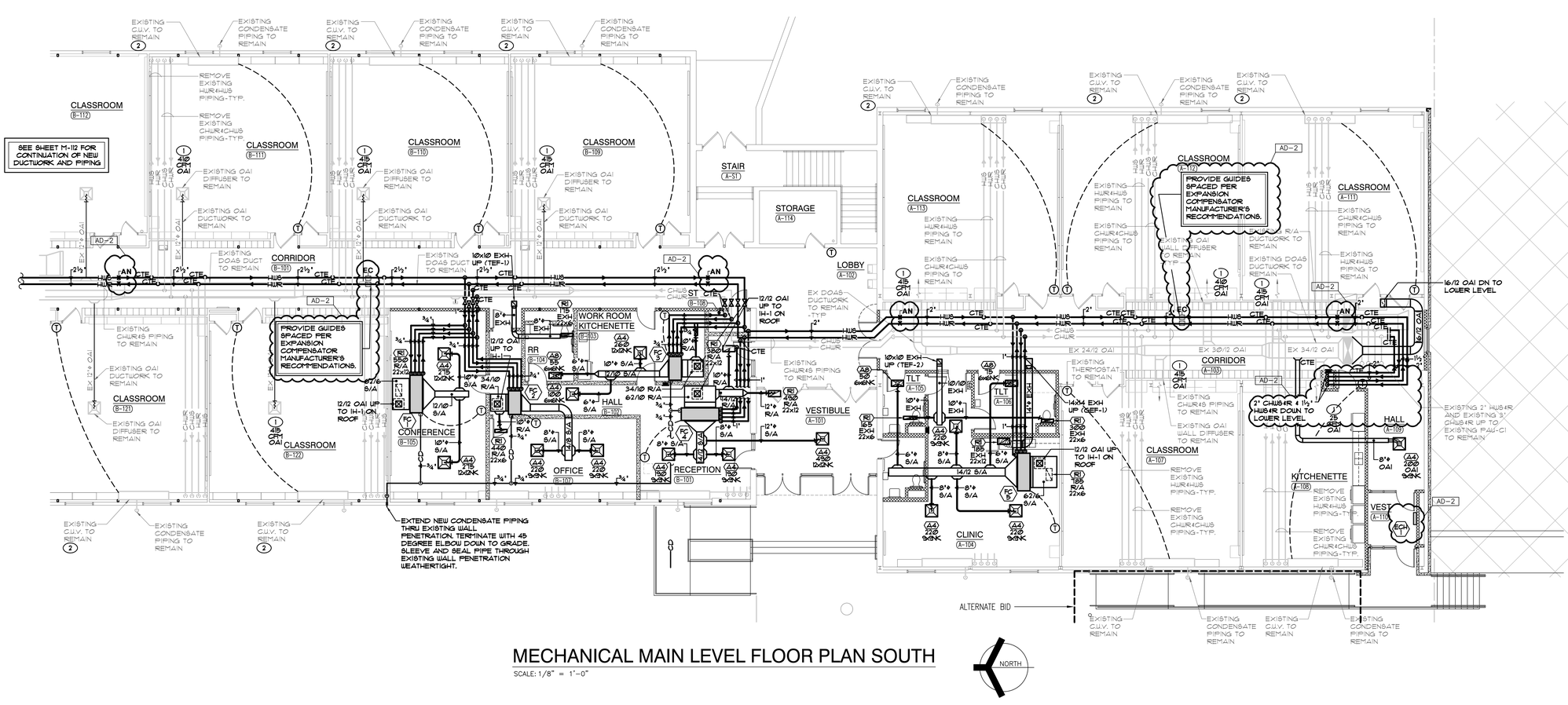
PROJECT
NEW ADMINISTRATION CENTER, ALTERNATIVE EDUCATION & RESOURCE CENTER, AND RELATED WORK

AD

SHEET MV102

SHEET NOTES

1. EXISTING SUPPLY AIR DIFFUSER TO REMAIN. INSPECT AND CLEAN EXISTING DIFFUSER COMPLETE AS REQUIRED. BALANCE EXISTING SUPPLY AIR DIFFUSER TO AIRFLOW QUANTITY INDICATED ON PLAN.
2. EXISTING UNIT VENTILATOR: TEST AND BALANCE UNIT TO PROPER AIRFLOW AND CHILLED AND HOT WATER FLOW RATES AFTER SYSTEM MODIFICATIONS ARE COMPLETE. PROVIDE NEW DDC CONTROLLER AND INTERLOCK TO NEW FACILITY MANAGEMENT SYSTEM COMPLETE AS REQUIRED.



MECHANICAL MAIN LEVEL FLOOR PLAN SOUTH

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

NORTH

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PROJECT

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CROWN POINT COMMUNITY SCHOOL CORPORATION
CROWN POINT, INDIANA

KEY PLAN

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PROJECT 21–115
DATE 04/15/22
COORDINATED BY SM
DRAWN BY GL
CHECKED BY DJ

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

REVISIONS

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AD-2	05/05/22	ADDENDUM NO. 2

DRAWING

MECHANICAL MAIN LEVEL PLAN

PROJECT
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SHEET AR M-111

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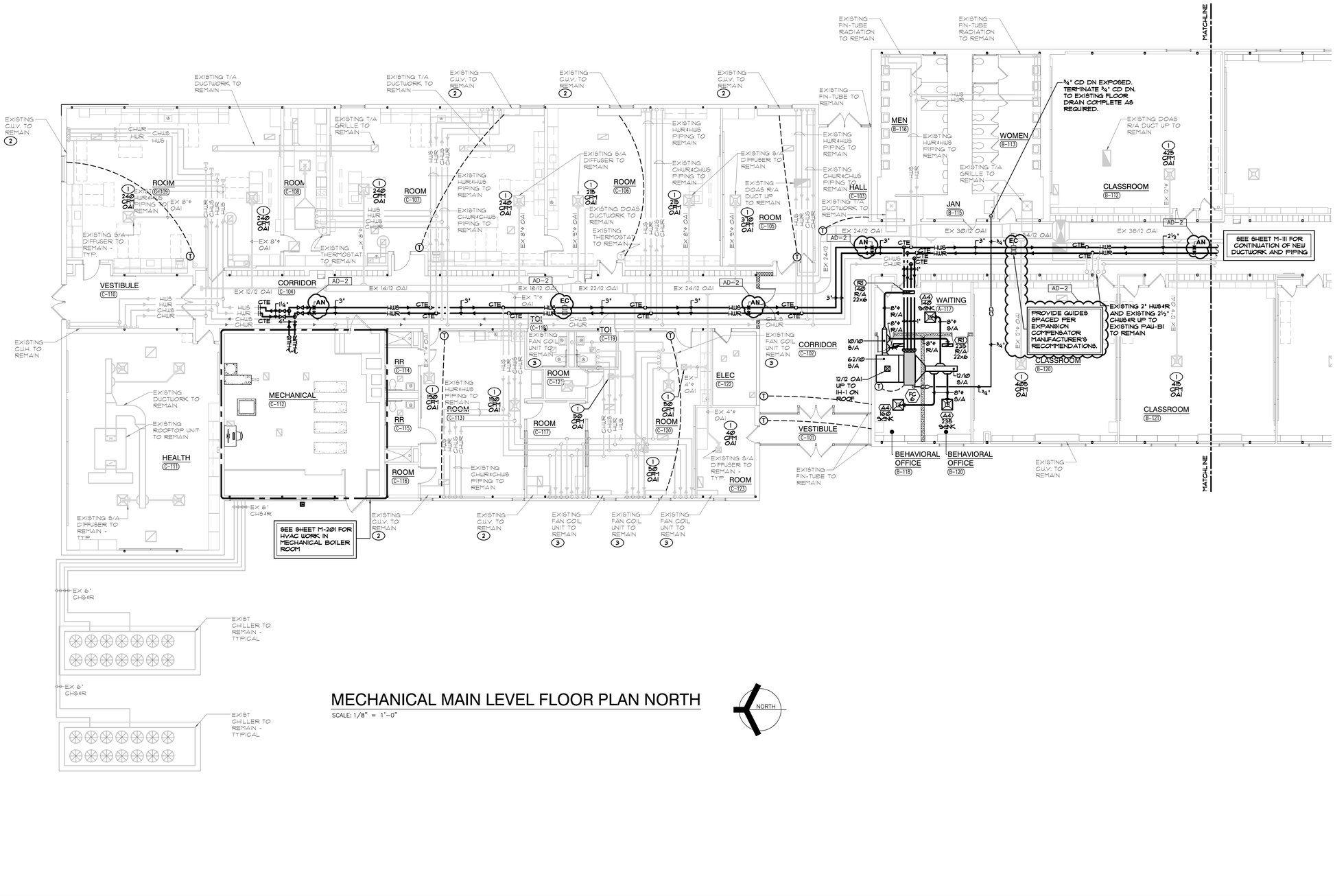
SHEET NOTES

1. EXISTING SUPPLY AIR DIFFUSER TO REMAIN. INSPECT AND CLEAN EXISTING DIFFUSER COMPLETE AS REQUIRED. BALANCE EXISTING SUPPLY AIR DIFFUSER TO AIRFLOW QUANTITY INDICATED ON PLAN.
2. EXISTING UNIT VENTILATOR: TEST AND BALANCE UNIT TO PROPER AIRFLOW AND CHILLED AND HOT WATER FLOW RATES AFTER SYSTEM MODIFICATIONS ARE COMPLETE. PROVIDE NEW DDC CONTROLLER AND INTERLOCK TO NEW FACILITY MANAGEMENT SYSTEM COMPLETE AS REQUIRED.
3. EXISTING FAN COIL UNIT: TEST AND BALANCE UNIT TO PROPER AIRFLOW AND CHILLED AND HOT WATER FLOW RATES AFTER SYSTEM MODIFICATIONS ARE COMPLETE. PROVIDE NEW DDC CONTROLLER AND INTERLOCK TO NEW FACILITY MANAGEMENT SYSTEM COMPLETE AS REQUIRED.



MECHANICAL MAIN LEVEL FLOOR PLAN NORTH

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

NORTH

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DRAWING
MECHANICAL MAIN LEVEL PLAN

PROJECT
NEW ADMINISTRATION CENTER, ALTERNATIVE EDUCATION & RESOURCE CENTER, AND RELATED WORK

SHEET
AR M-112

Wednesday, 5/4/2022 - 1:33 PM - LAST SAVED BY:GLINDBLOOM
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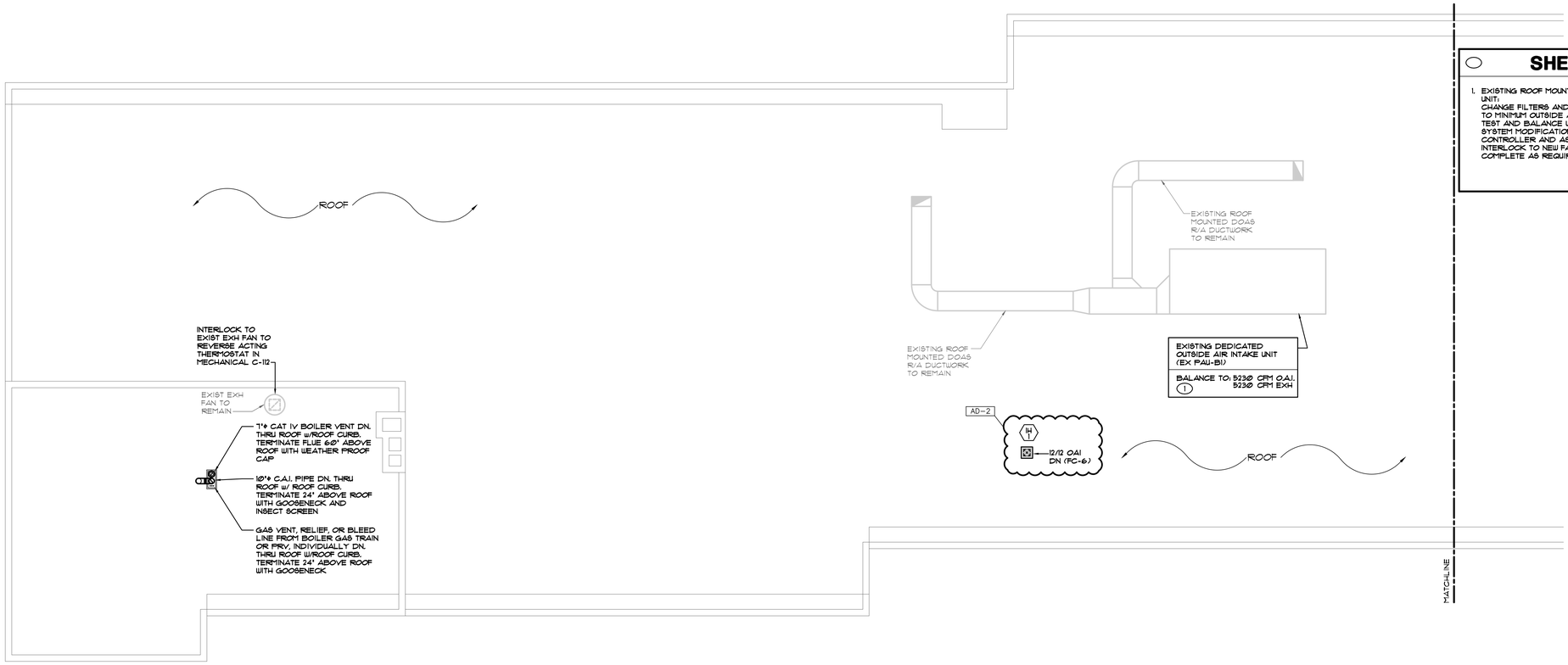
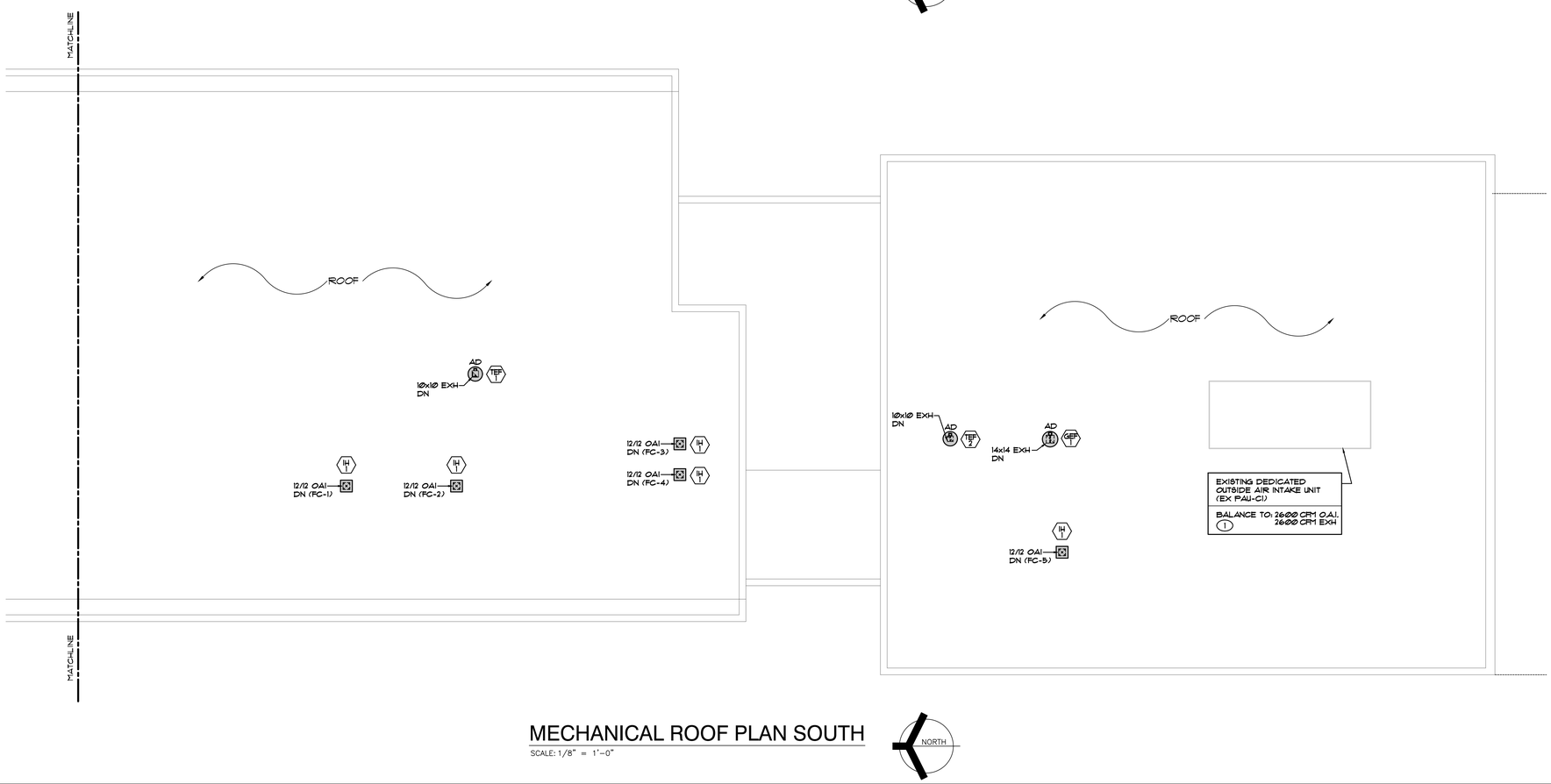


MECHANICAL ROOF PLAN NORTH

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

SHEET NOTES

1. EXISTING ROOF MOUNTED DEDICATED OUTSIDE AIR INTAKE UNIT.
   CHANGE FILTERS AND PROVIDE NEW BELTS. BALANCE UNIT TO MINIMUM OUTSIDE AIR AND EXHAUST VALUES INDICATED. TEST AND BALANCE UNIT TO HYDRONIC FLOW RATES AFTER SYSTEM MODIFICATIONS ARE COMPLETE. PROVIDE NEW DDC CONTROLLER AND ASSOCIATED CONTROL WIRING, ETC AND INTERLOCK TO NEW FACILITY MANAGEMENT SYSTEM COMPLETE AS REQUIRED.



MECHANICAL ROOF PLAN SOUTH

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

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DRAWING
MECHANICAL ROOF PLAN

PROJECT
NEW ADMINISTRATION CENTER,
ALTERNATIVE EDUCATION & RESOURCE CENTER, AND RELATED WORK

SHEET AR M-113

Wednesday, 5/4/2022 - 1:33 PM - LAST SAVED BY:GLINDBLOOM
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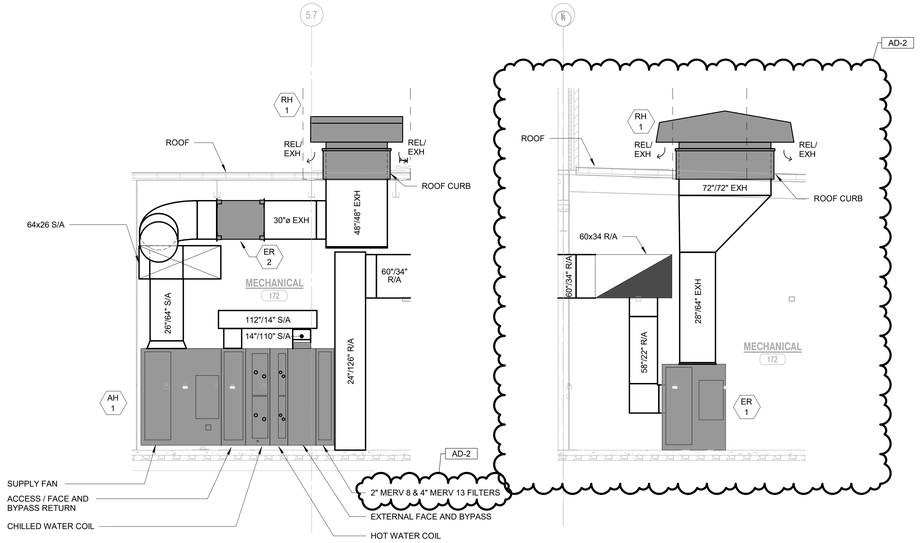
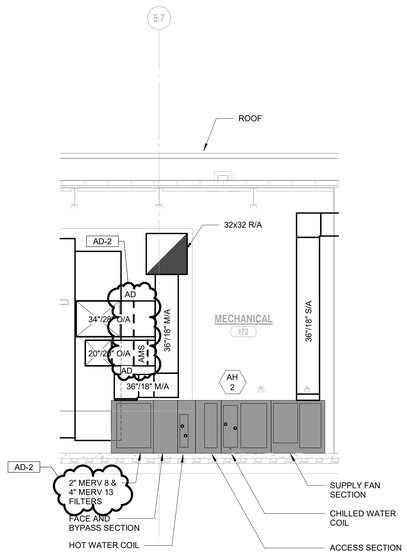
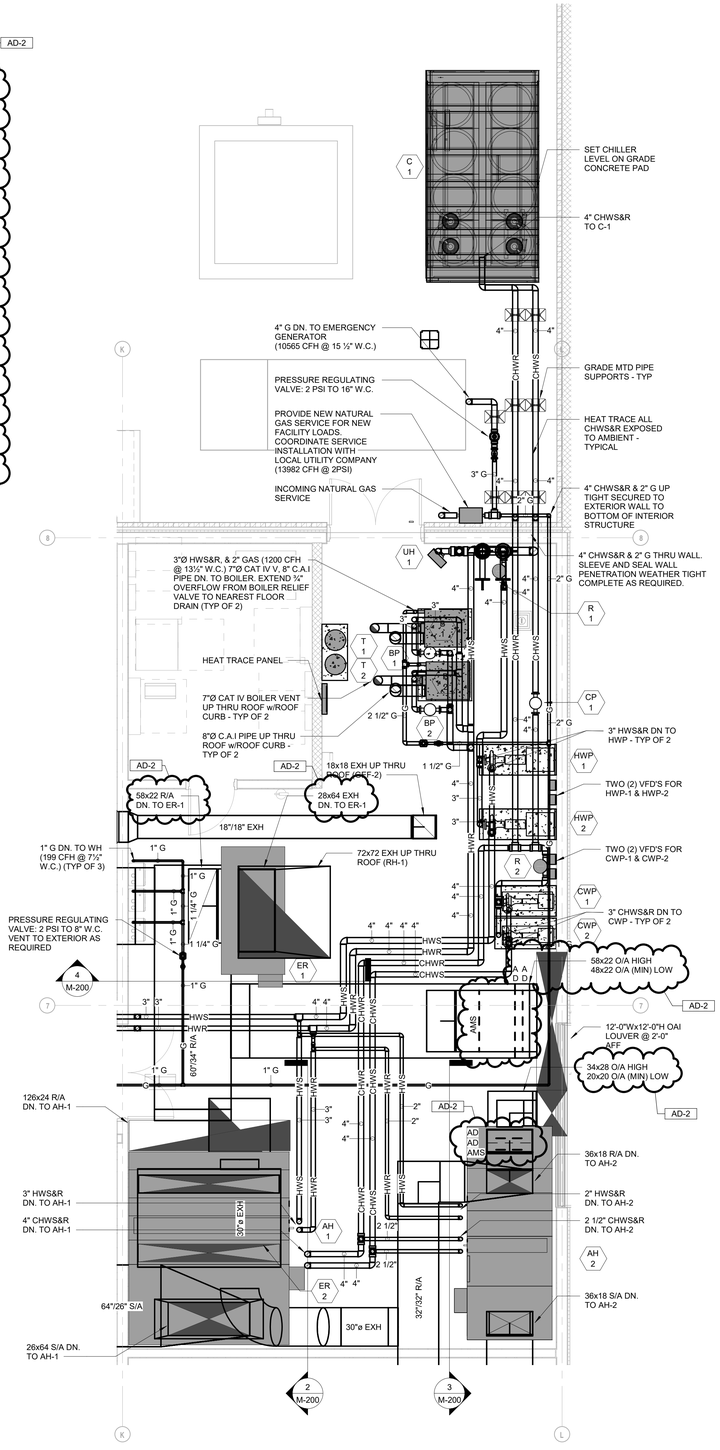


2 M-200 AH-1 SECTION
1/4" = 1'-0"

4 M-200 ER-1 SECTION
1/4" = 1'-0"



3 M-200 AH-2 SECTION
1/4" = 1'-0"



1 M-200 FIRST FLOOR MECHANICAL ENLARGED BOILER ROOM PLAN
1/4" = 1'-0"

NORTH

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DRAWING
ENLARGED FIRST FLOOR MECHANICAL PLAN & AH SECTIONS

PROJECT
NEW ADMINISTRATION CENTER, ALTERNATIVE EDUCATION & RESOURCE CENTER, AND RELATED WORK

SHEET
AD
M-200

MECHANICAL EQUIPMENT SCHEDULE - CROWN POINT ADMINISTRATION BUILDING

TAG	MFR	MODEL NUMBER	DESCRIPTION	EFF	FAN MOTOR DATA								EXHAUST FANS					DX COOLING DATA				CHILLED WATER COOLING DATA								HOT WATER HEATING DATA								ELECTRICAL DATA									UNITS CTL'D BY	EQUIP WT	REMARKS
					CFM	MIN. OAI CFM HIGH	MIN. OAI CFM LOW	TSP	ESP	BHP	HP	RPM	CFM	ESP	BHP	HP	RPM	MBH	SHC	CAT	STAGES	MBH	SHC	GPM	EDB	EWB	LDB	LWB	EWT	LWT	MAX WPD	CAT	MBH (IN)	MBH (OUT)	GPM	EAT	LAT	EWT	LWT	MAX WPD	LOAD HP	MCA	FLA	AMPS	MOCP	VOLT	PHASE	HZ	STARTER MC.	STARTER EC.			
C-1	TRANE	RTAC-160	GRADE MOUNTED AIR COOLED CHILLER	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1187	-	237	-	-	-	-	54	44	12	-	-	-	-	-	-	-	-	-	-	-	225	480	3	60	X	-	FMS	6760	NOTE 1
B-1	CAMUS	DRI200	GAS FIRED HW CONDENSING BOILER	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1200	1138	114	-	-	160	180	12	-	-	14	-	20	120	1	60	X	-	FMS	582	NOTE 2
B-2	CAMUS	DRI200	GAS FIRED HW CONDENSING BOILER	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1200	1138	114	-	-	160	180	12	-	-	14	-	20	120	1	-	X	-	FMS	582	NOTE 2
AH-1	TRANE	CSAA050	INTERIOR CENTRAL STATION AIR HANDLING UNIT - VAV	-	25050	4360	-	-	3.1	33.1	(2) 20	1600	-	-	-	-	-	-	-	-	-	930	731	185	77.7	63.8	51.1	50.8	44	54	10	-	-	1361	135	45	95.1	180	160	10	-	76.5	-	-	110	480	3	60	X	-	FMS	6275	NOTE 3
ER-1	TRANE	CSAA035	FLOOR-MOUNTED EXHAUST / RELIEF FAN	-	-	-	-	-	-	-	-	-	25050	Ø.64	16.4	(2) 10	2102	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	31.5	-	-	45	480	3	60	X	-	FMS	1745	NOTE 3
AH-2	TRANE	CSAA021	INTERIOR CENTRAL STATION AIR HANDLING UNIT - VAV	-	6755	2700	-	-	3	13.2	(2) 7.5	4253	-	-	-	-	-	-	-	-	-	353	225	70.3	81.3	68.2	51.1	51	44	54	10	-	-	330	32.9	45	90	180	160	10	-	24.8	-	-	35	480	3	60	X	-	FMS	2345	NOTE 3
ER-2	TWIN CITY	TB-30B105	SUSPENDED INLINE EXHAUST / RELIEF FAN	-	-	-	-	-	-	-	-	-	6755	1.2	2	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	-	-	-	-	480	3	60	X	-	FMS	400	NOTE 5
TEF-1	TWIN CITY	DCRD 180BE	ROOF MOUNTED TOILET EXHAUST FAN	-	-	-	-	-	-	-	-	-	2650	1	1	2	1170	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	20B	3	60	X	-	FMS	225	NOTE 5
TEF-2	TWIN CITY	DCRD 095BE	ROOF MOUNTED TOILET EXHAUST FAN	-	-	-	-	-	-	-	-	-	300	Ø.5	Ø.06	1/4	1286	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1/4	-	-	-	120	1	60	-	X	FMS	100	NOTE 5
GEF-1	TWIN CITY	DCRD 140BE	ROOF MOUNTED GENERAL EXHAUST FAN	-	-	-	-	-	-	-	-	-	1325	Ø.5	Ø.22	3/4	1187	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3/4	-	-	-	120	1	60	-	X	FMS	150	NOTE 5
GEF-2	TWIN CITY	DCRD 140BE	ROOF MOUNTED GENERAL EXHAUST FAN	-	-	-	-	-	-	-	-	-	1200	Ø.5	Ø.2	3/4	1144	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3/4	-	-	-	120	1	60	-	X	FMS	150	NOTE 5
CH-1	STERLING	RW-1120	HOT WATER WALL RECESSED CABINET HEATER	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	75.6	7.5	60	100	180	160	-	1/4	-	-	-	15	120	1	60	-	-	INTEGRAL T-STAT	175	NOTE 6
AD-1 CH-2	STERLING	RW-1120	HOT WATER WALL RECESSED CABINET HEATER	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	76	7.5	60	100	180	160	-	1/4	-	-	-	15	120	1	60	-	-	INTEGRAL T-STAT	175	NOTE 6
UH-1	STERLING	HS-072B	HOT WATER SUSPENDED UNIT HEATER	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	52.3	5.3	60	104	180	160	-	-	1.8	-	-	15	120	1	60	-	-	WALL T-STAT	30	NOTE 7
UH-2	STERLING	HS-072B	HOT WATER SUSPENDED UNIT HEATER	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	52.3	5.3	60	104	180	160	-	-	1.8	-	-	15	120	1	60	-	-	WALL T-STAT	30	NOTE 7
AC-1	-	-	FLOOR MOUNTED COMPUTER ROOM AC UNIT (BY OTHERS)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	41.8	-	-	45	208	1	60	-	-	-	-	-
AC-2	-	-	FLOOR MOUNTED COMPUTER ROOM AC UNIT (BY OTHERS)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	41.8	-	-	45	208	1	60	-	-	-	-	-
AC-3	-	-	FLOOR MOUNTED COMPUTER ROOM AC UNIT (BY OTHERS)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	41.8	-	-	45	208	1	60	-	-	-	-	-
CU-1	-	-	ROOF MOUNTED CONDENSER (BY OTHERS)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15.8	-	-	480	3	60	-	-	-	-	-
CU-2	-	-	ROOF MOUNTED CONDENSER (BY OTHERS)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15.8	-	-	480	3	60	-	-	-	-	-
CU-3	-	-	ROOF MOUNTED CONDENSER (BY OTHERS)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15.8	-	-	480	3	60	-	-	-	-	-

NOTES:

1. PROVIDE WITH:
   - DISCONNECT SWITCH
   - SOUND ATTENUATION KIT
   - NEOPRENE PADS

   SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
2. PROVIDE WITH:
   - COMBUSTION AIR INTAKE DAMPER
   - NEUTRALIZATION BASIN FOR CONDENSATE

   SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
3. SEE SECTIONS FOR MODULAR REQUIREMENTS
   SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
4. PROVIDE WITH:
   - VARIABLE FREQUENCY DRIVE
   - VIBRATION ISOLATION HANGERS

   SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
5. PROVIDE WITH:
   - DISCONNECT SWITCH
   - ECM MOTOR WITH POTENTIOMETER SPEED CONTROLLER
   - MOTORIZED DAMPER
   - BIRD SCREEN
   - ROOF CURB

   SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
6. PROVIDE WITH:
   - INTEGRAL THERMOSTAT
   - DISCONNECT SWITCH

   SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
7. PROVIDE WITH:
   - VIBRATION ISOLATION HANGERS

   SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

MECHANICAL EQUIPMENT SCHEDULE - TAFT MIDDLE SCHOOL

TAG	MANUFACTURER	MODEL NUMBER	DESCRIPTION	FAN MOTOR DATA							EXH FAN DATA					CHILLED WATER COOLING EQUIPMENT/COIL DATA										HOT WATER HEATING EQUIPMENT/COIL DATA									ELECTRICAL DATA											UNITS CONTROLLED BY	EQUIP WEIGHT	REMARKS
				CFM	MIN OAI CFM	TSP	ESP	HP	RPM		CFM	ESP	HP	RPM		MBH	SHC	GPM	EDB	EWB	LDB	LWB	EWT	LWT	MAX WPD	CAT		MBH (IN)	MBH (OUT)	GPM	EAT	LAT	EWT	LWT	MAX WPD		LOAD HP	MCA	FLA	AMPS		MOCP	VOLT	PHASE	HZ	STARTER MC.	STARTER EC.			
B-1	CAMUS	DRI600	GAS FIRED HW CONDENSING BOILER w/SEALED COMBUSTION	-	-	-	-	-	-		-	-	-	-		-	-	-	-	-	-	-	-	-	-	-		1600	1517	152	-	-	160	180	12		-	-	14	-		20	120	1	60	X	-	FMS	582	NOTE 1
FC-1	TRANE	FCCB100	HORIZONTAL CONCEALED DUCTED CHILLED/HOT WATER FAN COIL - 4 PIPE	550	115	-	Ø.3	(2) 1/4	1159		-	-	-	-		201.1	141	3.4	80	67	56.5	54.7	40	52	5	-		-	46.2	3.4	60	137	180	160	5		-	6	-	-		15	120	1	60	X	- WALL MTD T-STAT	200	NOTE 2
FC-2	TRANE	FCCB060	HORIZONTAL CONCEALED DUCTED CHILLED/HOT WATER FAN COIL - 4 PIPE	440	55	-	Ø.3	1/4	1297		-	-	-	-		14.9	10.5	2.5	80	67	58.2	56.1	40	52	9	-		-	23.3	2.5	60	109	180	160	17		-	3.9	-	-		15	120	1	60	X	- WALL MTD T-STAT	139	NOTE 2
FC-3	TRANE	FCCB060	HORIZONTAL CONCEALED DUCTED CHILLED/HOT WATER FAN COIL - 4 PIPE	415	60	-	Ø.3	1/4	1261		-	-	-	-		14.3	10	2.4	80	67	57.9	55.9	40	52	8	-		-	22.5	2.4	60	110	180	160	16		-	3.9	-	-		15	120	1	60	X	- WALL MTD T-STAT	139	NOTE 2
FC-4	TRANE	FCCB100	HORIZONTAL CONCEALED DUCTED CHILLED/HOT WATER FAN COIL - 4 PIPE	870	55	-	Ø.3	(2) 1/4	1408		-	-	-	-		29.3	20.7	4.9	80	67	58.2	56.2	40	52	10	-		-	67.3	4.9	60	131	180	160	9		-	6.1	-	-		15	120	1	60	X	- WALL MTD T-STAT	200	NOTE 2
FC-5	TRANE	FCCB100	HORIZONTAL CONCEALED DUCTED CHILLED/HOT WATER FAN COIL - 4 PIPE	785	70	-	Ø.3	(2) 1/4	1339		-	-	-	-		27.3	19.1	4.5	80	67	57.7	55.8	40	52	9	-		-	62.3	4.5	60	133	180	160	8		-	6.1	-	-		15	120	1	60	X	- WALL MTD T-STAT	200	NOTE 2
FC-6	TRANE	FCCB100	HORIZONTAL CONCEALED DUCTED CHILLED/HOT WATER FAN COIL - 4 PIPE	535	90	-	Ø.3	(2) 1/4	1148		-	-	-	-		20.2	13.8	3.4	80	67	56.4	54.7	40	52	5	-		-	13.9	3.4	60	138	180	160	5		-	6.1	-	-		15	120	1	60	X	- WALL MTD T-STAT	200	NOTE 2
TEF-1	TWIN CITY	DCRD-070BE	ROOF MOUNTED TOILET EXHAUST FAN	175	-	-	Ø.4	1/6	1613		-	-	-	-		-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-		1/6	-	-	-		-	120	1	60	-	X	WALL SWITCH	30	NOTE 3
TEF-2	TWIN CITY	DCRD-095BE	ROOF MOUNTED TOILET EXHAUST FAN	465	-	-	Ø.5	1/4	1382		-	-	-	-		-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-		1/4	-	-	-		-	120	1	60	-	X	WALL SWITCH	50	NOTE 3
GEF-1	TWIN CITY	DCRD-120BE	ROOF MOUNTED GENERAL EXHAUST FAN (CLINIC A-104)	765	-	-	Ø.5	1/2	1275		-	-	-	-		-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-		1/2	-	-	-		-	120	1	60	-	X	WALL SWITCH	55	NOTE 3

NOTES:

1. PROVIDE WITH:
   - PROVIDE WITH COMBUSTION AIR INTAKE DAMPER.

   SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
2. PROVIDE WITH:
   - DISCONNECT SWITCH
   - VIBRATION ISOLATION HANGERS
   - CONDENSATE PUMP
   - TERMINAL STRIPS FOR DDC READY
   - UNIT CONFIGURATION:
     - FRONT SUPPLY AIR DUCT COLLAR
     - REAR RETURN AIR DUCT COLLAR

   SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
3. PROVIDE WITH:
   - DISCONNECT SWITCH
   - ECM MOTOR WITH POTENTIOMETER SPEED CONTROLLER
   - MOTORIZED DAMPER
   - BIRD SCREEN
   - ROOF CURB.

   SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

AD-2

SILENCER SCHEDULE

TAG	MANUFACTURER	MODEL	CONN. DIMENSIONS W (in)	CONN. DIMENSIONS H (in)	SILENCER LENGTH L (in)	AIR FLOW (cfm)	VELOCITY (fpm)	P.D. (in WG)	FLOW - FAN SYSTEM	REMARKS
SL-1	VAW	RSA	28	14	36	2,140	786	Ø.15	AH-2	SEE SPECIFICATIONS.
SL-2	VAW	RSA	28	14	36	2,140	786	Ø.15	AH-2	SEE SPECIFICATIONS.
SL-3	VAW	RSA	28	14	36	2,140	786	Ø.15	AH-2	SEE SPECIFICATIONS.
SL-4	VAW	RSA	10	10	36	460	662	Ø.05	AH-2	SEE SPECIFICATIONS.

LOUVER SCHEDULE

TAG	MANUFACTURER	MODEL NO.	DESCRIPTION	SIZE	REMARKS
LV-1	NAILOR	1606WD	OUTSIDE AIR INTAKE LOUVER	SEE DRAWINGS	ALUMINUM KYNAR 500 CUSTOM FINISH SUBMIT COLOR CHARTS FOR APPROVAL

INTAKE/RELIEF HOOD SCHEDULE

TAG	MANUFACTURER	MODEL #	THROAT SIZE	DESCRIPTION	HOOD LOCATION	REMARKS
RH-1	ACME	*LV	SEE PLANS	EXHAUST/RELIEF AIR HOOD	ROOF OF MECH. ROOM	PROVIDE W/ BIRDSCREEN, AND 18" HIGH ROOF CURB.
IH-1	ACME	*TIV	12x12	OUTSIDE AIR INTAKE HOOD FOR FC-1,2,3,4,5,46	ROOF	PROVIDE W/ BIRDSCREEN, AND 18" HIGH ROOF CURB.

PUMP SCHEDULE

TAG	MANUFACTURER	MODEL NUMBER	DESCRIPTION	GPM	HEAD (FT.)	PUMP MOTOR DATA HP	RPM	VOLT	PHASE	HZ.	SUCTION/ DISCHARGE SIZE	REMARKS
BP-1	BELL & GOSSETT	SERIES 80 3x3x7C	HOT WATER BOILER RECIRCULATING PUMP	114	20	1	1750	480	3	60	3"/3"	-
BP-2	BELL & GOSSETT	SERIES 80 3x3x7C	HOT WATER BOILER RECIRCULATING PUMP	114	20	1	1750	480	3	60	3"/3"	-
HWP-1	BELL & GOSSETT	SERIES 1510 2BD	HOT WATER DISTRIBUTION PUMP	119	60	5	1565	480	3	60	2.5"/2"	HOT WATER PRIMARY PUMPS W/VFD OPERATING IN PARALLEL, 238 GPM AT 60 FT. HD. WITH DUAL POWER FEEDERS
HWP-2	BELL & GOSSETT	SERIES 1510 2BD	HOT WATER DISTRIBUTION PUMP	119	60	5	1565	480	3	60	2.5"/2"	
CP-1	BELL & GOSSETT	SERIES 80 4x4x7B	CHILLED WATER RECIRCULATION PUMP	238	30	3	1750	480	3	60	4"/4"	-
CWP-1	BELL & GOSSETT	SERIES 1510 2AD-ES	CHILLED WATER DISTRIBUTION PUMP	114	45	3	1721	480	3	60	2.5"/2"	CHILLED WATER PRIMARY PUMPS W/VFD OPERATING IN PARALLEL, 228 GPM AT 45 FT. HD. WITH DUAL POWER FEEDERS
CWP-2	BELL & GOSSETT	SERIES 1510 2AD-ES	CHILLED WATER DISTRIBUTION PUMP	114	45	3	1721	480	3	60	2.5"/2"	

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PROJECT
NEW ADMINISTRATION CENTER, ALTERNATIVE EDUCATION & RESOURCE CENTER, AND RELATED WORK

CROWN POINT COMMUNITY SCHOOL CORPORATION
CROWN POINT, INDIANA

KEY PLAN

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PROJECT 21-115
DATE 04/15/22
COORDINATED BY SM
DRAWN BY GL
CHECKED BY DJ

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

REVISIONS

MARK	DATE	ISSUED FOR
AD-1	04/28/22	ADDENDUM NO. 1
AD-2	05/05/22	ADDENDUM NO. 2

DRAWING
MECHANICAL SCHEDULES

PROJECT
NEW ADMINISTRATION CENTER, ALTERNATIVE EDUCATION & RESOURCE CENTER, AND RELATED WORK

SHEET
M-501

AH-1 VAV TERMINAL SCHEDULE

TAG	MANUFACTURER	MODEL	INLET DIA.	CFM SETTING MAX. CFM	CFM SETTING MIN. CFM	HW REHEAT COIL DATA MBH	GPM	WPD	EWT	CONTROL SEQUENCE OPEN/ CLOSED	CONTROL SEQUENCE OPEN/CLOSED/ OPEN	REMARKS
1A	NAILOR	D30RW-08	8"	805	125	26.2	2.6	5'	180	-	X	-
1B	NAILOR	D30RW-10	10"	980	150	26.6	2.7	5'	180	X	-	-
1C	NAILOR	D30RW-08	8"	710	120	25.1	2.5	5'	180	-	X	-
1D	NAILOR	D30RW-05	5"	235	35	7.6	Ø.8	5'	180	-	X	-
1E	NAILOR	D30RW-07	7"	485	75	15.8	1.6	6'	180	-	X	-
1F	NAILOR	D30RW-08	8"	595	90	16.1	1.6	7'	180	X	-	-
1G	NAILOR	D30RW-05	5"	225	35	7.3	Ø.7	8'	180	-	X	-
1H	NAILOR	D30RW-05	5"	235	35	7.6	Ø.8	9'	180	-	X	-
1I	NAILOR	D30RW-05	5"	145	20	4.7	Ø.5	10'	180	-	X	-
1J	NAILOR	D30RW-05	5"	235	35	7.6	Ø.8	11'	180	-	X	-
1K	NAILOR	D30RW-07	7"	460	70	15.0	1.5	12'	180	-	X	-
1L	NAILOR	D30RW-08	8"	625	95	20.3	2.0	13'	180	-	X	-
1M	NAILOR	D30RW-07	7"	500	75	13.6	1.4	5'	180	X	-	-
1N	NAILOR	D30RW-06	6"	330	50	10.8	1.1	5'	180	-	X	-
1O	NAILOR	D30RW-07	7"	530	80	17.3	1.7	5'	180	-	X	-
1P	NAILOR	D30RW-05	5"	270	40	8.8	Ø.9	6'	180	-	X	-
1Q	NAILOR	D30RW-08	8"	690	105	18.7	1.9	7'	180	X	-	-
1R	NAILOR	D30RW-10	10"	1,070	165	34.8	3.5	8'	180	-	X	-
1S	NAILOR	D30RW-10	10"	870	135	28.3	2.8	9'	180	-	X	-
1T	NAILOR	D30RW-06	6"	330	50	9.0	Ø.9	10'	180	X	-	-
1U	NAILOR	D30RW-07	7"	425	65	11.5	1.2	11'	180	X	-	-
1V	NAILOR	D30RW-16	16"	3,200	490	86.8	8.7	12'	180	X	-	-
1W	NAILOR	D30RW-05	5"	255	40	8.3	Ø.8	13'	180	-	X	-
1X	NAILOR	D30RW-07	7"	450	70	14.6	1.5	14'	180	-	X	-
1Y	NAILOR	D30RW-05	5"	275	40	7.5	Ø.7	15'	180	X	-	-
1Z	NAILOR	D30RW-08	8"	675	105	22.0	2.2	16'	180	-	X	-
1AA	NAILOR	D30RW-06	6"	360	55	11.7	1.2	17'	180	-	X	-
1AB	NAILOR	D30RW-08	8"	700	105	22.8	2.3	18'	180	-	X	-
1AC	NAILOR	D30RW-06	6"	405	60	13.2	1.3	19'	180	-	X	-
1AD	NAILOR	D30RW-10	10"	815	125	26.5	2.7	20'	180	-	X	-
1AE	NAILOR	D30RW-10	10"	975	150	31.7	3.2	21'	180	-	X	-
1AF	NAILOR	D30RW-05	5"	200	30	6.5	Ø.7	22'	180	-	X	-
1AG	NAILOR	D30RW-10	10"	830	125	22.5	2.3	23'	180	X	-	-
1AH	NAILOR	D30RW-07	7"	440	65	14.3	1.4	24'	180	-	X	-
1AI	NAILOR	D30RW-07	7"	470	70	15.3	1.5	25'	180	-	X	-
1AJ	NAILOR	D30RW-07	7"	555	85	18.1	1.8	26'	180	-	X	-
1AK	NAILOR	D30RW-10	10"	1,240	160	28.2	2.8	27'	180	X	-	-
1AL	NAILOR	D30RW-07	7"	435	65	14.2	1.4	28'	180	-	X	-
1AM	NAILOR	D30RW-07	7"	450	70	14.6	1.5	29'	180	-	X	-
1AN	NAILOR	D30RW-06	6"	360	55	11.7	1.2	30'	180	-	X	-
1AO	NAILOR	D30RW-08	8"	640	100	20.8	2.1	31'	180	-	X	-
1AP	NAILOR	D30RW-06	6"	290	45	9.4	Ø.9	32'	180	-	X	-
1AQ	NAILOR	D30RW-06	6"	335	50	10.9	1.1	33'	180	-	X	-
1AR	NAILOR	D30RW-06	6"	340	50	9.2	Ø.9	34'	180	X	-	-
1AS	NAILOR	D30RW-07	7"	455	70	14.8	1.5	35'	180	-	X	-
1AT	NAILOR	D30RW-08	8"	600	90	19.5	2.0	36'	180	-	X	-
1AU	NAILOR	D30RW-07	7"	540	85	17.6	1.8	37'	180	-	X	-
1AV	NAILOR	D30RW-06	6"	305	45	10.0	1.0	38'	180	-	X	-
1AW	NAILOR	D30RW-07	7"	445	70	14.5	1.5	39'	180	-	X	-
1AX	NAILOR	D30RW-06	6"	325	50	10.6	1.1	40'	180	-	X	-
1AY	NAILOR	D30RW-06	6"	370	55	12.0	1.2	41'	180	-	X	-
1AZ	NAILOR	D30RW-05	5"	185	30	6.0	Ø.6	42'	180	-	X	-

AD-2

AH-2 VAV TERMINAL SCHEDULE

TAG	MANUFACTURER	MODEL	INLET DIA.	CFM SETTING MAX CFM	CFM SETTING MIN CFM	HW REHEAT COIL DATA MBH	GPM	WPD	EWT	CONTROL SEQUENCE OPEN/ CLOSED	CONTROL SEQUENCE OPEN/CLOSED/ OPEN	REMARKS
2A	NAILOR	D30RW-14	14"	2,140	840	69.7	7.0	5'	180	-	X	-
2B	NAILOR	D30RW-14	14"	2,140	840	69.7	7.0	5'	180	-	X	-
2C	NAILOR	D30RW-14	14"	2,140	840	69.7	7.0	5'	180	-	X	-
2D	NAILOR	D30RW-07	7"	460	180	15.0	1.5	5'	180	-	X	-

AD-2

PUMP SCHEDULE - TAFT MIDDLE SCHOOL

TAG	MANUFACTURER	MODEL NUMBER	DESCRIPTION	GPM	HEAD (FT.)	PUMP MOTOR DATA HP	RPM	VOLT	PHASE	HZ.	STARTER: MC.	STARTER: EC.	SUCTION/ DISCHARGE SIZE	REMARKS
BIP-1	BELL & GOSSETT	SERIES 80;3x3x7C	HOT WATER BOILER RECIRCULATING PUMP	152	20	1 1/2	1750	208	3	60	X	-	3"/3"	-
HWP-1	BELL & GOSSETT	SERIES 1510; 2BD	HOT WATER DISTRIBUTION PUMP	152	90	7 1/2	1750	208	3	60	X	-	2.5" / 2"	-

MECHANICAL EQUIPMENT SCHEDULE - ELECTRIC HEATERS - TAFT SCHOOL

TAG	MANUFACTURER	MODEL NUMBER	DESCRIPTION	FAN DATA S/A CFM	ELECTRIC HEAT DATA MBH	KW	EAT	LAT	ELECTRICAL DATA LOAD HP	MCA	FLA	AMPS	MOCP	VOLT	PHASE	HZ.	DISC. SWT. MC.	DISC. SWT. EC.	UNITS CONTROLLED BY	EQUIP WEIGHT	REMARKS
ECH	QMARK	LFK488F	WALL MOUNTED ELECTRIC CABINET HEATER	100	16.4	4.8	60	211	-	-	-	23.1	-	208	1	60	-	X	INTEGRAL TSTAT	22	-

GRILLE, REGISTER & DIFFUSER SCHEDULE

TAG	MANUFACTURER	MODEL NO.	DESCRIPTION	AIR PATTERN	MOUNTING	SIZE	TYPE OF CONTROL	REMARKS
A3	NAILOR	6500-O	SUPPLY CEILING DIFFUSER	3-WAY	2' X 2' LAY-IN PANEL	SEE PLANS	O.B.D.	-
A4	NAILOR	6500-O	SUPPLY CEILING DIFFUSER	4-WAY	2' X 2' LAY-IN PANEL	SEE PLANS	O.B.D.	-
A5	NAILOR	6500-O	SUPPLY CEILING DIFFUSER	2-WAY CORNER	2' X 2' LAY-IN PANEL	SEE PLANS	O.B.D.	-
A8	NAILOR	6500-O	SUPPLY CEILING DIFFUSER	3-WAY	2' X 1' LAY-IN PANEL	SEE PLANS	O.B.D.	-
A9	NAILOR	6500-O	SUPPLY CEILING DIFFUSER	4-WAY	2' X 1' LAY-IN PANEL	SEE PLANS	O.B.D.	-
A10	NAILOR	6500-O	SUPPLY CEILING DIFFUSER	2-WAY CORNER	2' X 1' LAY-IN PANEL	SEE PLANS	O.B.D.	-
C4	NAILOR	6200-OA	SUPPLY CEILING DIFFUSER	4-WAY	2' X 2' LAY-IN PANEL	SEE PLANS	O.B.D.	ALUMINUM CONSTRUCTION
E2	NAILOR	610H-O	SUPPLY CEILING REGISTER	DOUBLE DEFLECTION	SURFACE MOUNTED	SEE PLANS	O.B.D.	HORIZONTAL FRONT BARS, VERTICAL BACK BARS
J4	NAILOR	6550-O	SUPPLY CEILING DIFFUSER	4-WAY	2' X 2' LAY-IN PANEL	SEE PLANS	O.B.D.	-
K1	NAILOR	610HC	SUPPLY REGISTER	DOUBLE DEFLECTION	DUCT MOUNTED	SEE PLANS	VOLUME DAMPER	MILL FINISH
L4	NAILOR	50I5	CONTINUOUS 1½" SLOT LINEAR 5A DIFFUSER	ADJ. PATTERN CONTROLLER	SURFACE MOUNT W/ GYP.BD MTG. FRAME	SEE PLAN FOR #SLOTS/LGTH	NONE	NARROW FLANGE, END CAPS, WHITE FRAME AND WHITE INTERIOR FINISH.
L9	NAILOR	50I5R	CONTINUOUS 1½" SLOT LINEAR R/A DIFFUSER	NO PATTERN CONTROLLER	SURFACE MOUNT W/ GYP.BD MTG. FRAME	SEE PLAN FOR #SLOTS/LGTH	NONE	NARROW FLANGE, END CAPS, WHITE FRAME AND WHITE INTERIOR FINISH.
R1	NAILOR	6145H-O	RETURN/EXHAUST REGISTER	LOUVERED GRILLE	LAY-IN PANEL	SEE PLANS	O.B.D.	-
R2	NAILOR	6145H-O	RETURN/EXHAUST REGISTER	LOUVERED GRILLE	SURFACE MOUNTED	SEE PLANS	O.B.D.	-
R3	NAILOR	5145H-O	RETURN/EXHAUST REGISTER	LOUVERED GRILLE	LAY-IN PANEL	SEE PLANS	O.B.D.	ALUMINUM CONSTRUCTION
T1	NAILOR	6145H	RETURN/EXHAUST/T.A. GRILLE	LOUVERED GRILLE	LAY-IN PANEL	SEE PLANS	-	-
T2	NAILOR	6145H	RETURN/EXHAUST/T.A. GRILLE	LOUVERED GRILLE	SURFACE MOUNTED	SEE PLANS	-	-
T3	NAILOR	5145H	RETURN/EXHAUST/T.A. GRILLE	LOUVERED GRILLE	LAY-IN PANEL	SEE PLANS	-	ALUMINUM CONSTRUCTION
T8	NAILOR	6145H-HD	RETURN/EXHAUST/T.A. GRILLE	LOUVERED GRILLE	SURFACE MOUNTED	SEE PLANS	-	HEAVY DUTY GRILLE

* ALL DIFFUSERS AND REGISTERS SHALL HAVE A WHITE FINISH UNLESS OTHERWISE NOTED

DUCTWORK INSULATION/LINING SCHEDULE

REFER TO SPECIFICATIONS FOR ADDITIONAL INSULATION REQUIREMENTS

DUCTWORK TYPE	INSULATION TYPE CONCEALED	INSULATION TYPE EXPOSED	
SUPPLY AIR DUCTWORK			
RECTANGULAR	1½" LINER	1½" LINER	
ROUND	1½" WRAP, NOTE 1.	PERFORATED DOUBLE WALL	
OUTSIDE AIR DUCTWORK			
RECTANGULAR	1½" WRAP	1½" WRAP	
ROUND	1½" WRAP	1½" WRAP OR PERFORATED DOUBLE WALL	
RETURN AIR DUCTWORK			
RECTANGULAR	1½" LINER	1½" LINER	
ROUND	PERFORATED DOUBLE WALL	PERFORATED DOUBLE WALL	
TRANSFER AIR DUCTWORK	½" LINER	½" LINER	
DOAS SUPPLY AIR DUCTWORK			
RECTANGULAR	1½" LINER	1½" LINER	
ROUND	1½" WRAP, NOTE 1.	PERFORATED DOUBLE WALL	
DOAS EXHAUST DUCTWORK			
RECTANGULAR	1½" LINER, WITHIN 30'-0" OF UNIT	1½" LINER, WITHIN 30'-0" OF UNIT	
ROUND	PERFORATED DOUBLE WALL, WITHIN 30'-0" OF UNIT	PERFORATED DOUBLE WALL, WITHIN 30'-0" OF UNIT	
VAV & FAN-POWERED BOXES			
INLET COLLAR	1½" WRAP	1½" WRAP	
HOT WATER REHEAT COIL	1½" WRAP	1½" WRAP	
EXHAUST DUCTWORK			
WITHIN 10'-0" OF EXHAUST FAN	½" LINER	½" LINER	

NOTE 1: ROUND DUCT SUPPLYING ONE DIFFUSER AND MORE THAN 30'-0" FROM UNIT

NATURAL GAS CONNECTION SCHEDULE - TAFT SCHOOL

TAG	DESCRIPTION	LOCATION	CAPACITY CFH	REMARKS
B-1	GAS FIRED HOT WATER BOILER	MECH ROOM-C112	1600	-
-	DOMESTIC WATER HEATER	MECH ROOM-C112	65	-
-	DOMESTIC WATER HEATER	MECH ROOM-C112	65	-
		TOTAL	1730	CFH @ 2 PSI

NATURAL GAS CONNECTION SCHEDULE - CP ADMIN BLDG

TAG	DESCRIPTION	LOCATION	CAPACITY CFH	REMARKS
B-1	GAS FIRED HOT WATER BOILER	MECH ROOM-172	1200	-
B-2	GAS FIRED HOT WATER BOILER	MECH ROOM-172	1200	-
-	CONVECTION OVEN	KITCHEN-144	72	-
-	HEAVY DUTY GAS RANGE	KITCHEN-144	140	-
-	TILT SKILLET	KITCHEN-144	125	-
-	FRYER	KITCHEN-144	85	
TWH-1	GAS FIRED TANKLESS WATER HEATER	MECH ROOM-172	199	-
TWH-2	GAS FIRED TANKLESS WATER HEATER	MECH ROOM-172	199	-
TWH-3	GAS FIRED TANKLESS WATER HEATER	MECH ROOM-172	199	-
-	NEW EMERGENCY GENERATOR ("1'-11" W.C)	-	10563	-
		TOTAL	13982	CFH @ 2 PSI

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PROJECT
NEW ADMINISTRATION CENTER, ALTERNATIVE EDUCATION & RESOURCE CENTER, AND RELATED WORK

CROWN POINT COMMUNITY SCHOOL CORPORATION
CROWN POINT, INDIANA

KEY PLAN

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PROJECT 21-115
DATE 04/15/22
COORDINATED BY SM
DRAWN BY GL
CHECKED BY DJ

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

REVISIONS

MARK	DATE	ISSUED FOR
AD-2	05/05/22	ADDENDUM NO. 2

DRAWING
MECHANICAL SCHEDULES

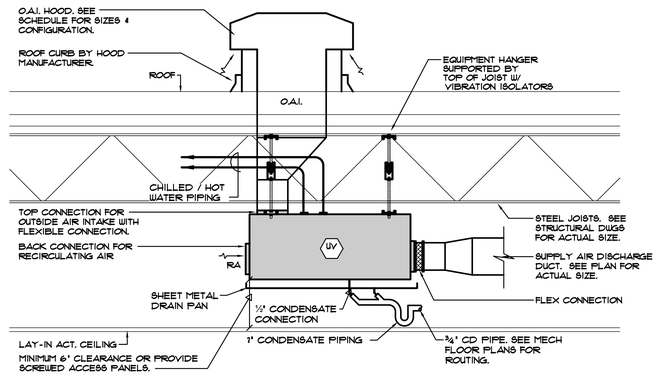
PROJECT
NEW ADMINISTRATION CENTER, ALTERNATIVE EDUCATION & RESOURCE CENTER, AND RELATED WORK

SHEET
M-502

Wednesday, 5/4/2022 - 10:30 AM - LAST SAVED BY:GLINDBLOOM
K:\2022\2201005 CP ADMIN CENTER\3.0 DRAWINGS\M-502.DWG

CONCEALED HORIZONTAL UNIT VENTILATOR DETAIL N.T.S.

NOTES:
1. COORDINATE WITH ACTUAL FIELD CONDITIONS PRIOR TO INSTALLATION.

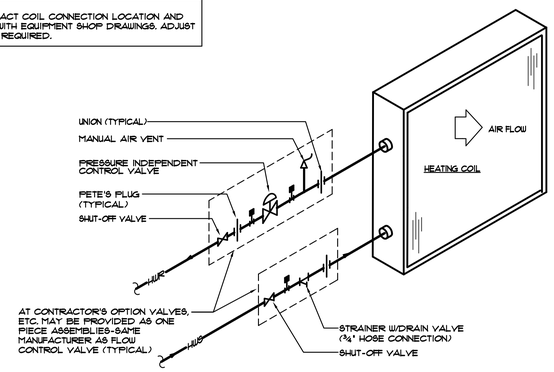


HOT WATER COIL PIPING DIAGRAM

SCHEMATIC ONLY

TYPICAL PIPING DIAGRAM FOR HEATING COILS @ VAV BOX & UNIT HEATERS w/HW REHEAT UNITS W/ 2-WAY CONTROL VALVE.

NOTE:
VERIFY EXACT COIL CONNECTION LOCATION AND QUANTITY WITH EQUIPMENT SHOP DRAWINGS. ADJUST PIPING AS REQUIRED.

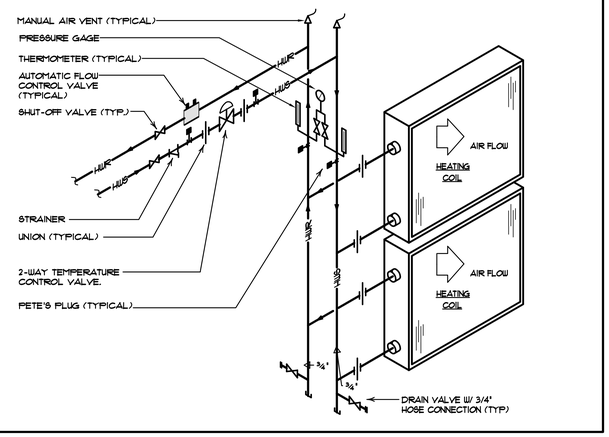


HOT WATER HEATING COIL PIPING DIAGRAM

SCHEMATIC ONLY

NOTE:
VERIFY EXACT COIL CONNECTION LOCATION AND QUANTITY WITH EQUIPMENT SHOP DRAWINGS. ADJUST PIPING AS REQUIRED.

TYPICAL FOR HEATING COIL @ AIR HANDING UNIT.



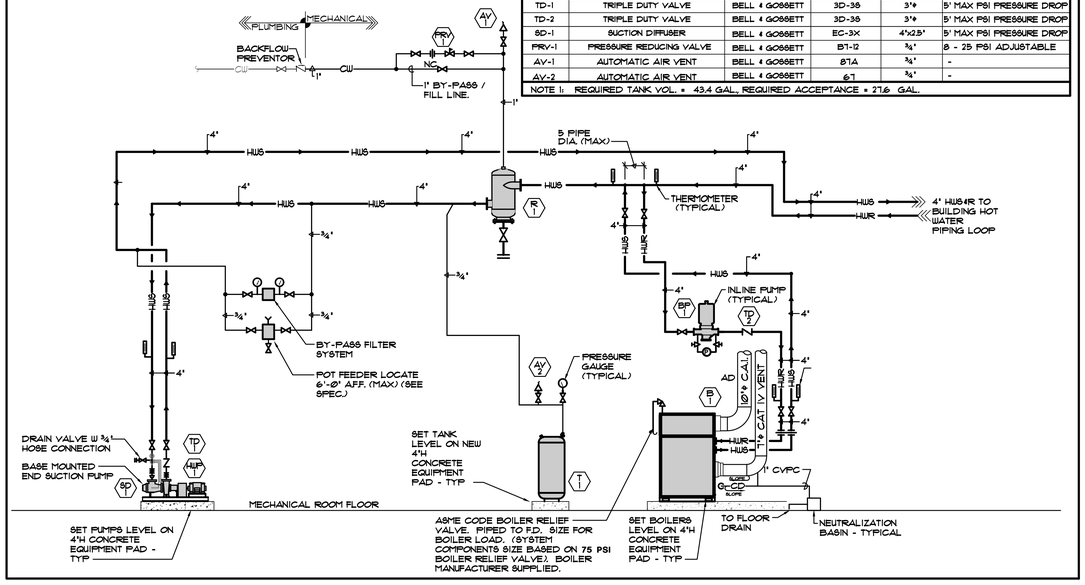
HOT WATER SYSTEM PIPING DIAGRAM - TAFT MIDDLE SCHOOL

SCHEMATIC ONLY

EQUIPMENT LEGEND

TAG	DESCRIPTION	MANUFACTURER	MODEL #	SIZE	REMARKS
T-1	EXPANSION TANK	BELL & GOSSETT	D-120	24"Øx46"H	NOTE 1
R-1	AIR SEPERATOR	BELL & GOSSETT	R-4	4"ø	3" MAX PSI PRESSURE DROP
TD-1	TRIPLE DUTY VALVE	BELL & GOSSETT	3D-36	3"ø	5" MAX PSI PRESSURE DROP
TD-2	TRIPLE DUTY VALVE	BELL & GOSSETT	3D-36	3"ø	5" MAX PSI PRESSURE DROP
SD-1	SUCTION DIFFUSER	BELL & GOSSETT	EC-3X	4"x2.5"	5" MAX PSI PRESSURE DROP
PRV-1	PRESSURE REDUCING VALVE	BELL & GOSSETT	B7-12	¾"	8 - 25 PSI ADJUSTABLE
AV-1	AUTOMATIC AIR VENT	BELL & GOSSETT	87A	¾"	-
AV-2	AUTOMATIC AIR VENT	BELL & GOSSETT	67	¾"	-

NOTE 1: REQUIRED TANK VOL. = 43.4 GAL. REQUIRED ACCEPTANCE = 27.6 GAL.

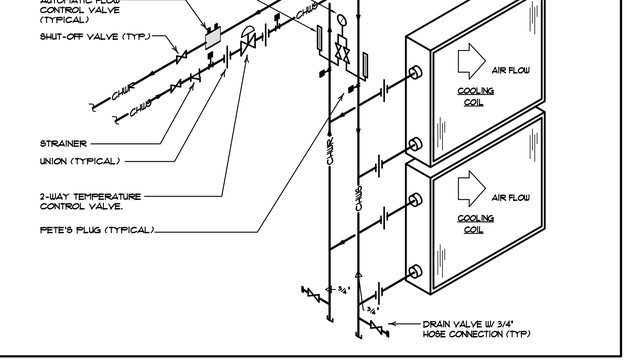


CHILLED WATER COOLING COIL PIPING DIAGRAM

SCHEMATIC ONLY

NOTE:
VERIFY EXACT COIL CONNECTION LOCATION AND QUANTITY WITH EQUIPMENT SHOP DRAWINGS. ADJUST PIPING AS REQUIRED.

TYPICAL FOR CHILLED WATER COOLING COIL @ AIR HANDING UNIT.

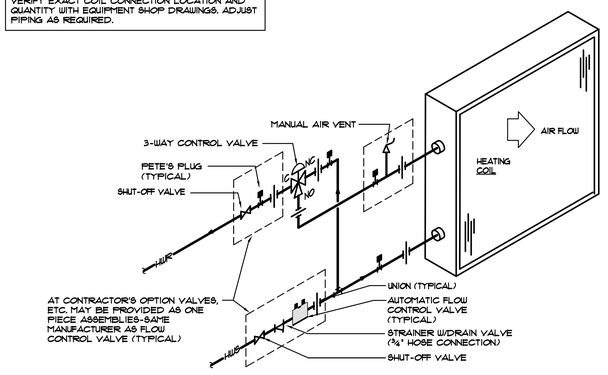


HOT WATER COIL PIPING DIAGRAM

SCHEMATIC ONLY

TYPICAL PIPING DIAGRAM FOR HEATING COILS @ VAV BOX w/HW REHEAT UNITS W/ 3-WAY CONTROL VALVE.

NOTE:
VERIFY EXACT COIL CONNECTION LOCATION AND QUANTITY WITH EQUIPMENT SHOP DRAWINGS. ADJUST PIPING AS REQUIRED.

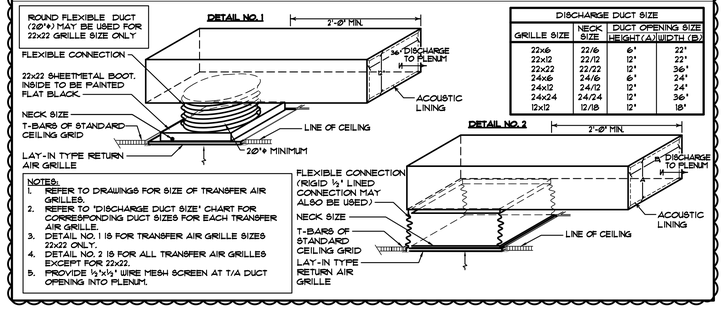


AD-2

TRANSFER AIR ELBOW DETAIL

(NTS)

ROUND FLEXIBLE DUCT (20"ø) MAY BE USED FOR 22x22 GRILLE SIZE ONLY



DISCHARGE DUCT SIZE			
GRILLE SIZE	NECK SIZE	DUCT OPENING SIZE HEIGHT (A)	WIDTH (B)
22x6	22/6	6"	22"
22x12	22/12	12"	22"
22x22	22/22	12"	36"
24x6	24/6	6"	24"
24x12	24/12	12"	24"
24x24	24/24	12"	36"
12x12	12/18	12"	18"

NOTES:
1. REFER TO DRAWINGS FOR SIZE OF TRANSFER AIR GRILLES.
2. REFER TO "DISCHARGE DUCT SIZE" CHART FOR CORRESPONDING DUCT SIZES FOR EACH TRANSFER AIR GRILLE.
3. DETAIL NO. 1 IS FOR TRANSFER AIR GRILLE SIZES 22x22 ONLY.
4. DETAIL NO. 2 IS FOR ALL TRANSFER AIR GRILLES EXCEPT FOR 22x22.
5. PROVIDE ½"x½" WIRE MESH SCREEN AT T/A DUCT OPENING INTO PLENUM.

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CROWN POINT, INDIANA

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PROJECT 21-115
DATE 04/15/22
COORDINATED BY SM
DRAWN BY GL
CHECKED BY DJ

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

REVISIONS

MARK	DATE	ISSUED FOR
AD-2	05/05/22	ADDENDUM NO. 2

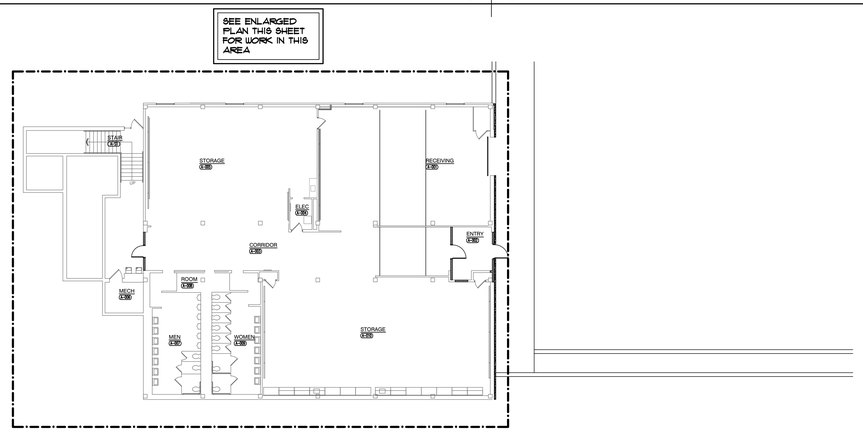
DRAWING
MECHANICAL DETAILS & DIAGRAMS

PROJECT
NEW ADMINISTRATION CENTER, ALTERNATIVE EDUCATION & RESOURCE CENTER, AND RELATED WORK

SHEET
M-602

SELECTIVE BUILDING DEMOLITION

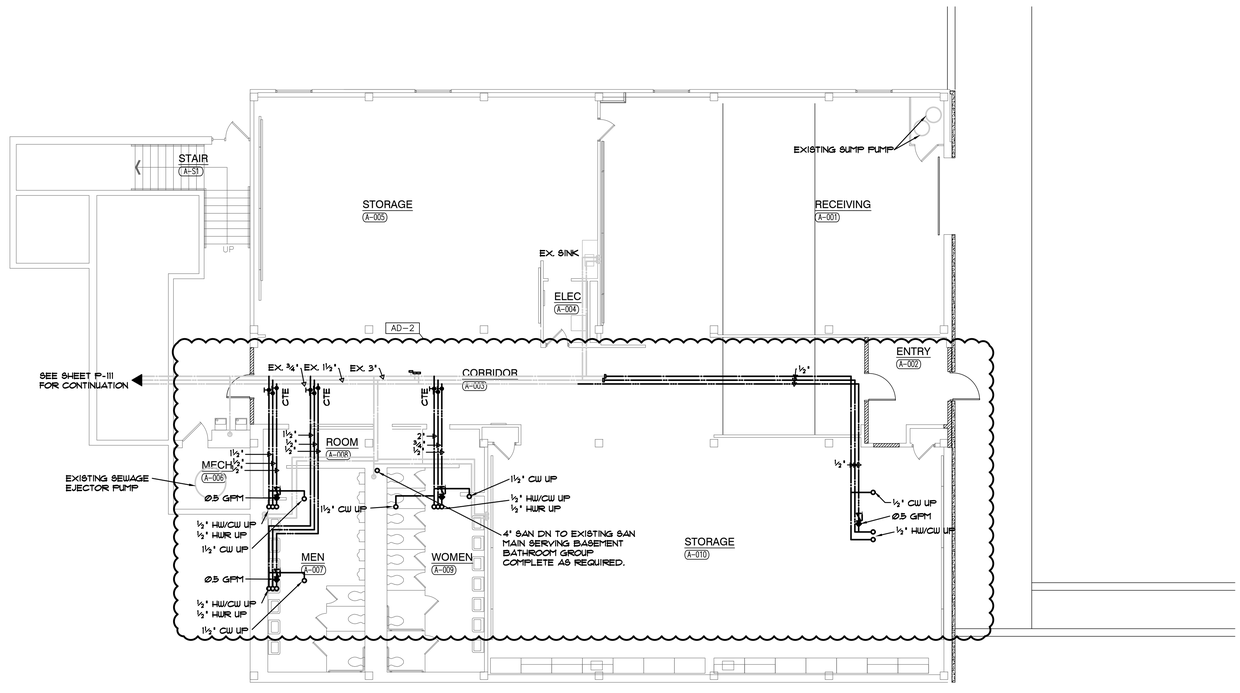
COMPLETE BUILDING DEMOLITION



OVERALL PLUMBING LOWER LEVEL FLOOR COMPOSITE PLAN

SCALE: 1" = 40'-0"

NORTH



PLUMBING LOWER LEVEL FLOOR PLAN SOUTH

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

NORTH

Wednesday, 5/4/2022 - 2:02 PM - LAST SAVED BY:MDEGEORGE
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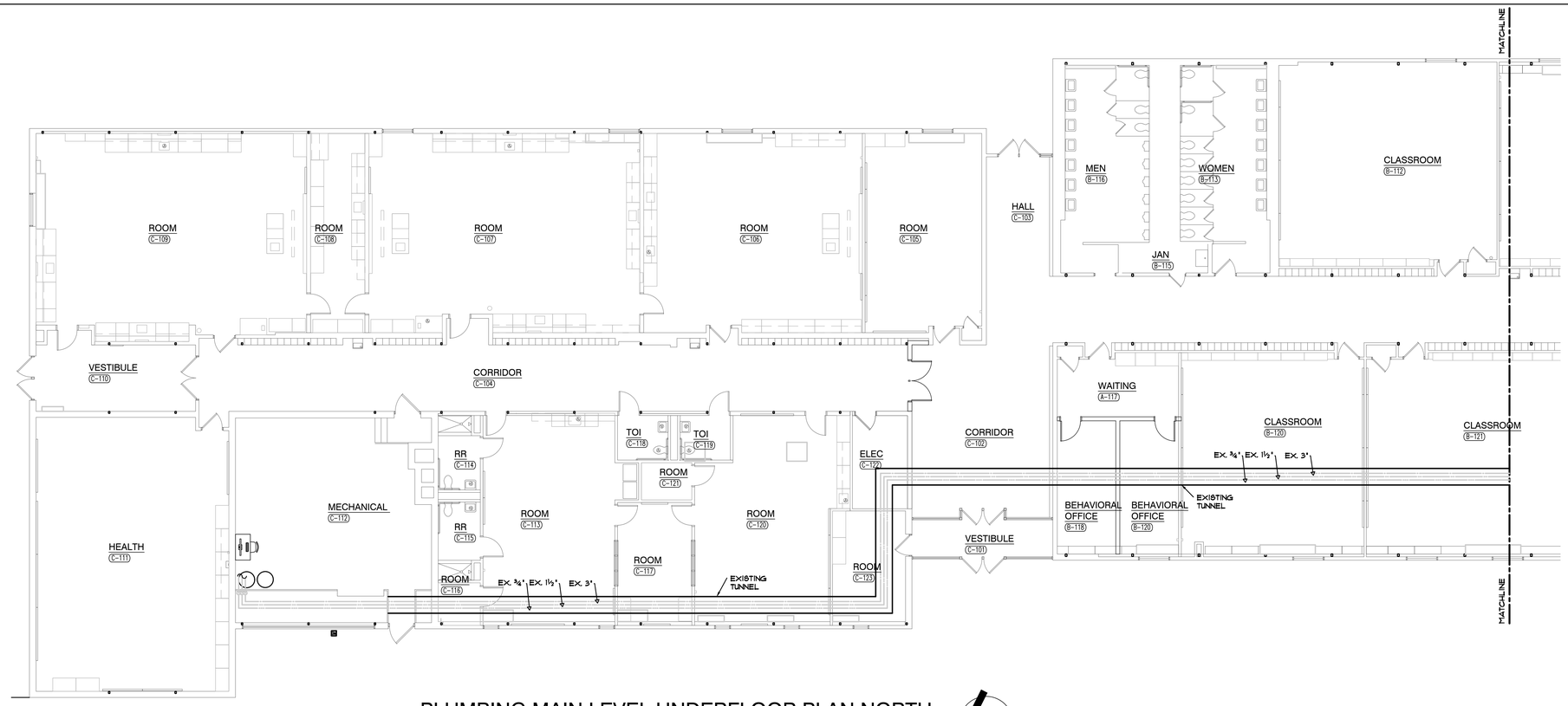
DRAWING
PLUMBING LOWER LEVEL PLAN

PROJECT
NEW ADMINISTRATION CENTER, ALTERNATIVE EDUCATION & RESOURCE CENTER, AND RELATED WORK

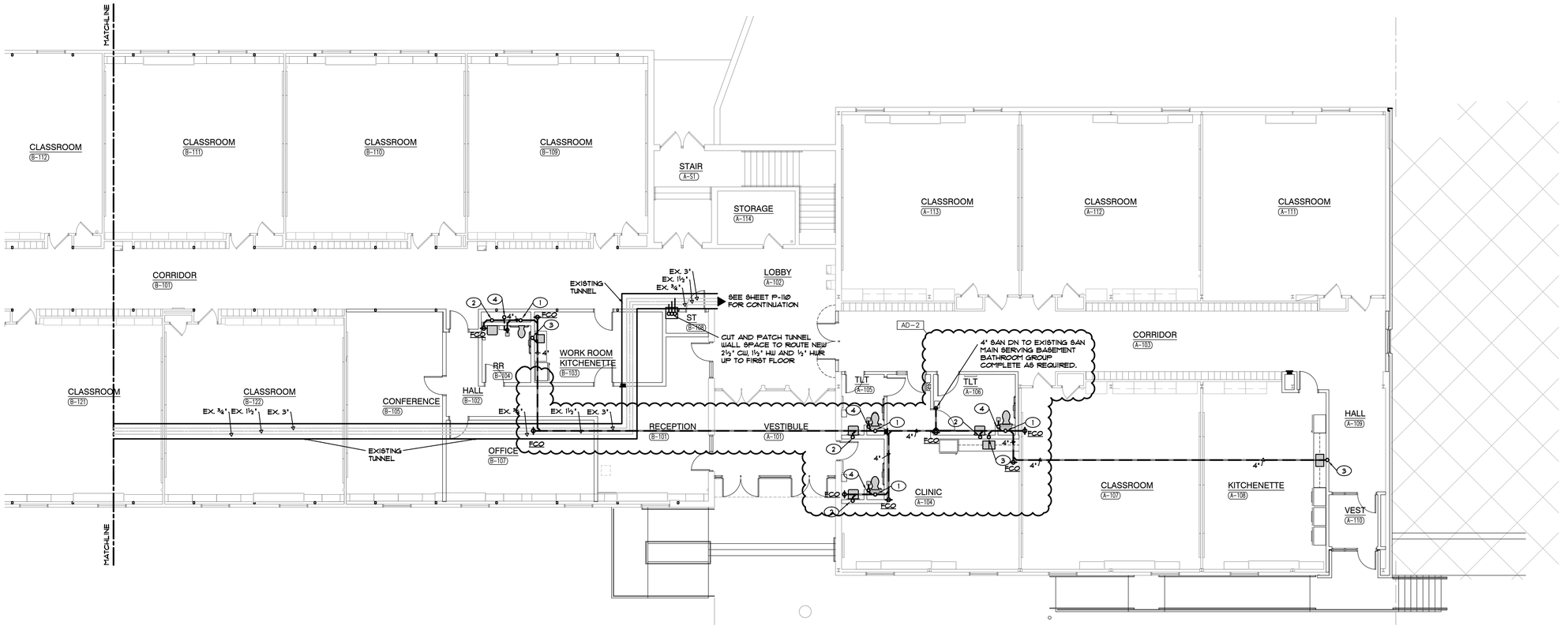
SHEET AR P-110



PLUMBING MAIN LEVEL UNDERFLOOR PLAN NORTH

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

NORTH



PLUMBING MAIN LEVEL UNDERFLOOR PLAN SOUTH

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

NORTH

SHEET NOTES

1. 4" SANITARY UP TO WATER CLOSET
2. 1½" SANITARY UP TO LAVATORY
3. 2" SANITARY UP TO SINK
4. 2" VENT UP

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DATE 04/15/22
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DAVID G. JANNETT REGISTERED NO. 10302590 STATE OF INDIANA PROFESSIONAL ENGINEER

REVISIONS

MARK	DATE	ISSUED FOR
AD-2	05/05/22	ADDENDUM NO. 2

DRAWING
PLUMBING MAIN LEVEL UNDERFLOOR PLAN

PROJECT
NEW ADMINISTRATION CENTER, ALTERNATIVE EDUCATION & RESOURCE CENTER, AND RELATED WORK

SHEET AR P-111

Wednesday, 5/4/2022 - 2:03 PM - LAST SAVED BY:MDEGEORGE
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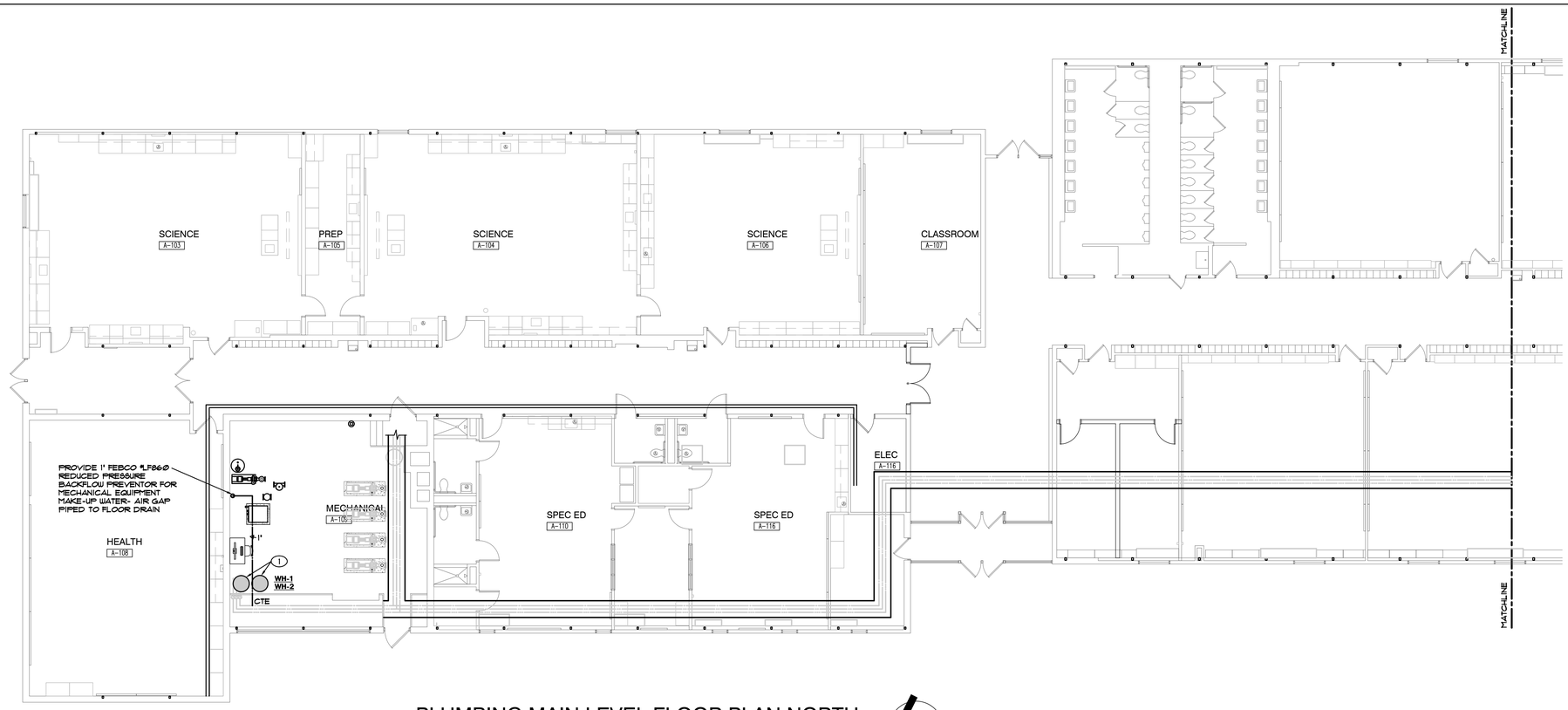
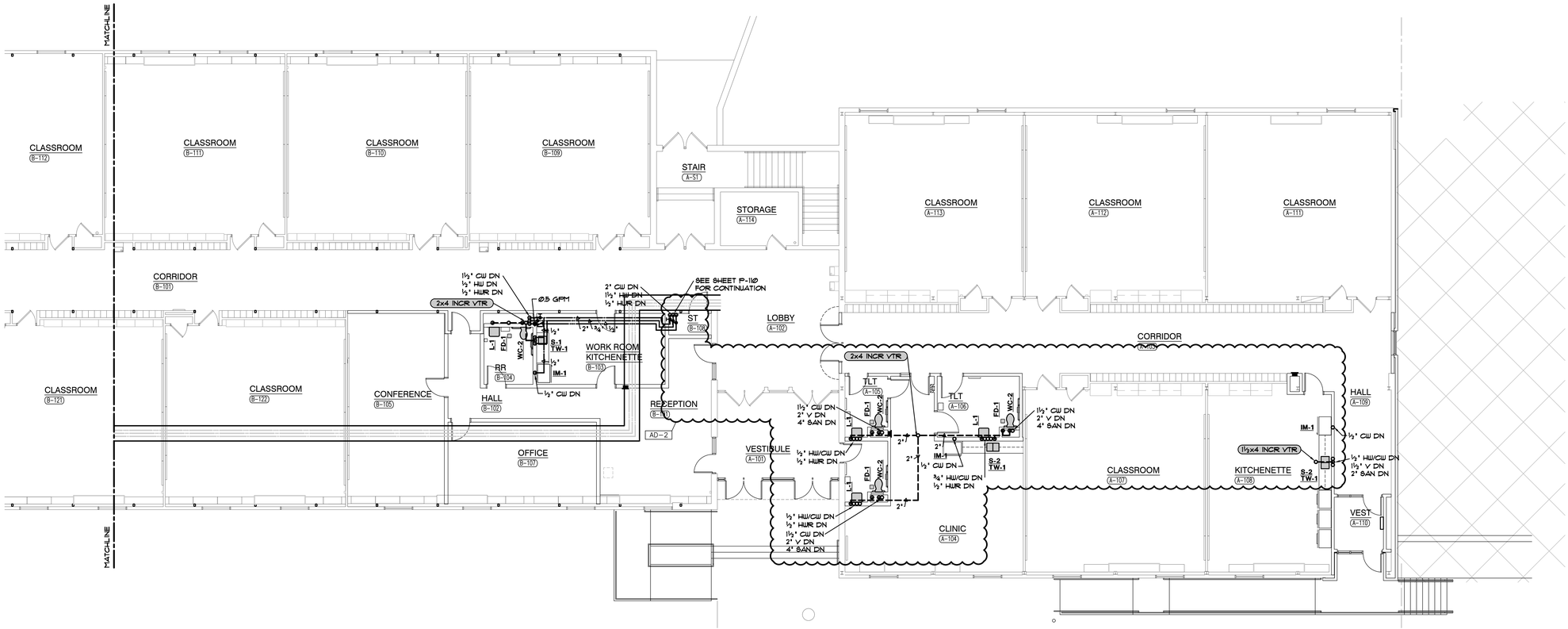


PLUMBING MAIN LEVEL FLOOR PLAN NORTH

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



PLUMBING MAIN LEVEL FLOOR PLAN SOUTH

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

SHEET NOTES

1. INSTALL GAS WATER HEATER. ALL EXISTING ASSOCIATED COLD/HOT/RETURN WATER PIPING, FLUES, GAS PIPING, ELECTRICAL CONNECTIONS, ETC. FOR CONNECTION TO NEW WATER HEATER COMPLETE AS REQUIRED.

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PROJECT
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CROWN POINT COMMUNITY SCHOOL CORPORATION
CROWN POINT, INDIANA

KEY PLAN

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PROJECT 21-115
DATE 04/15/22
COORDINATED BY SM
DRAWN BY MDG
CHECKED BY DJ

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

REVISIONS

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DRAWING
PLUMBING MAIN LEVEL FLOOR PLAN

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NEW ADMINISTRATION CENTER, ALTERNATIVE EDUCATION & RESOURCE CENTER, AND RELATED WORK

SHEET AR P-112

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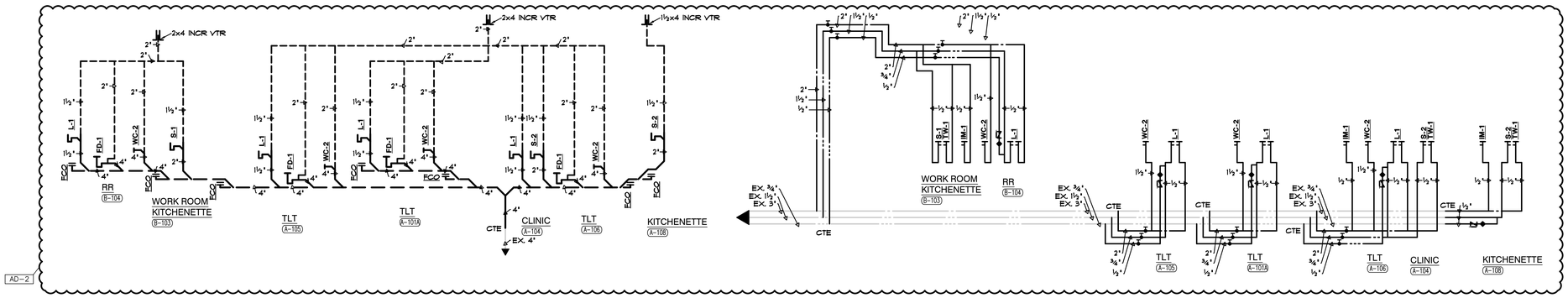
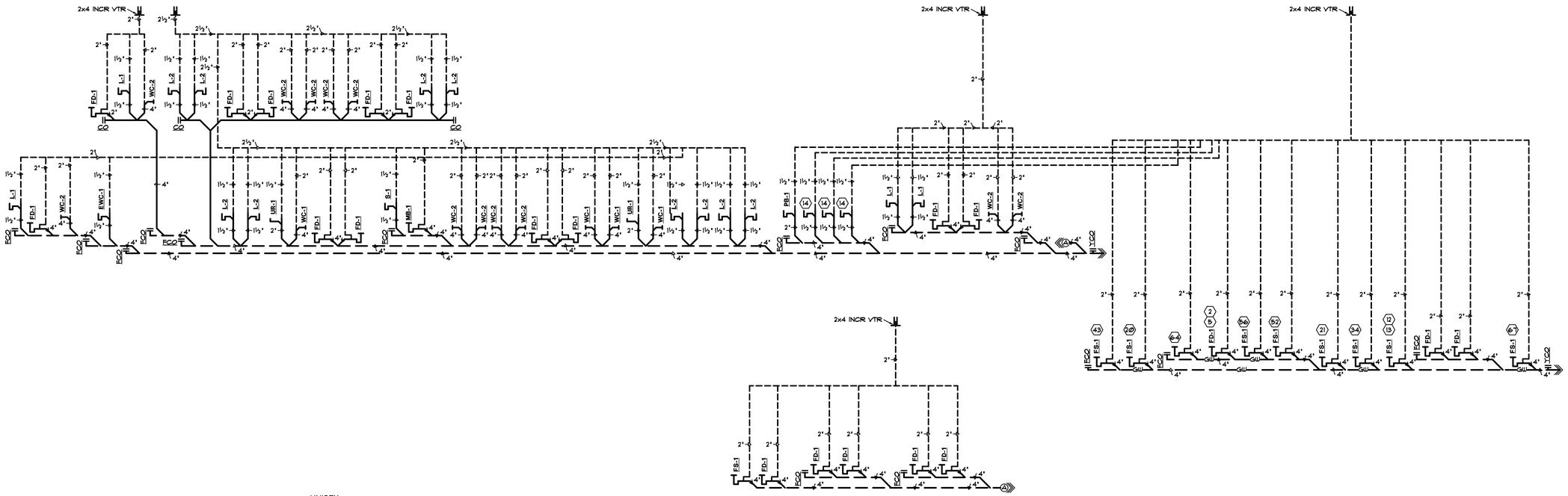
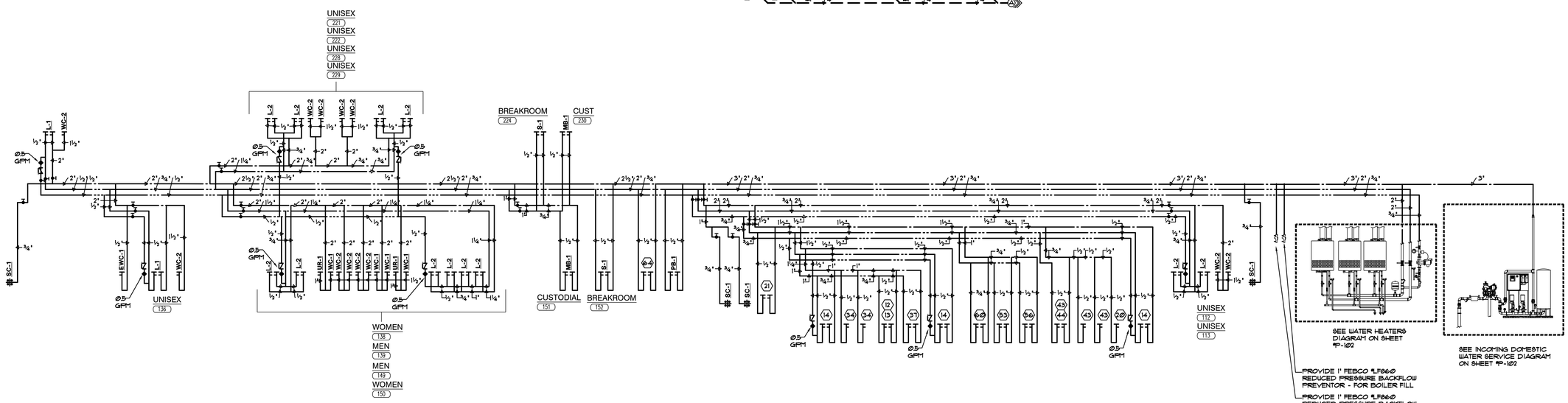
PLUMBING RISER DIAGRAMS







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

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DRAWING
PLUMBING RISER DIAGRAMS

PROJECT
NEW ADMINISTRATION CENTER, ALTERNATIVE EDUCATION & RESOURCE CENTER, AND RELATED WORK

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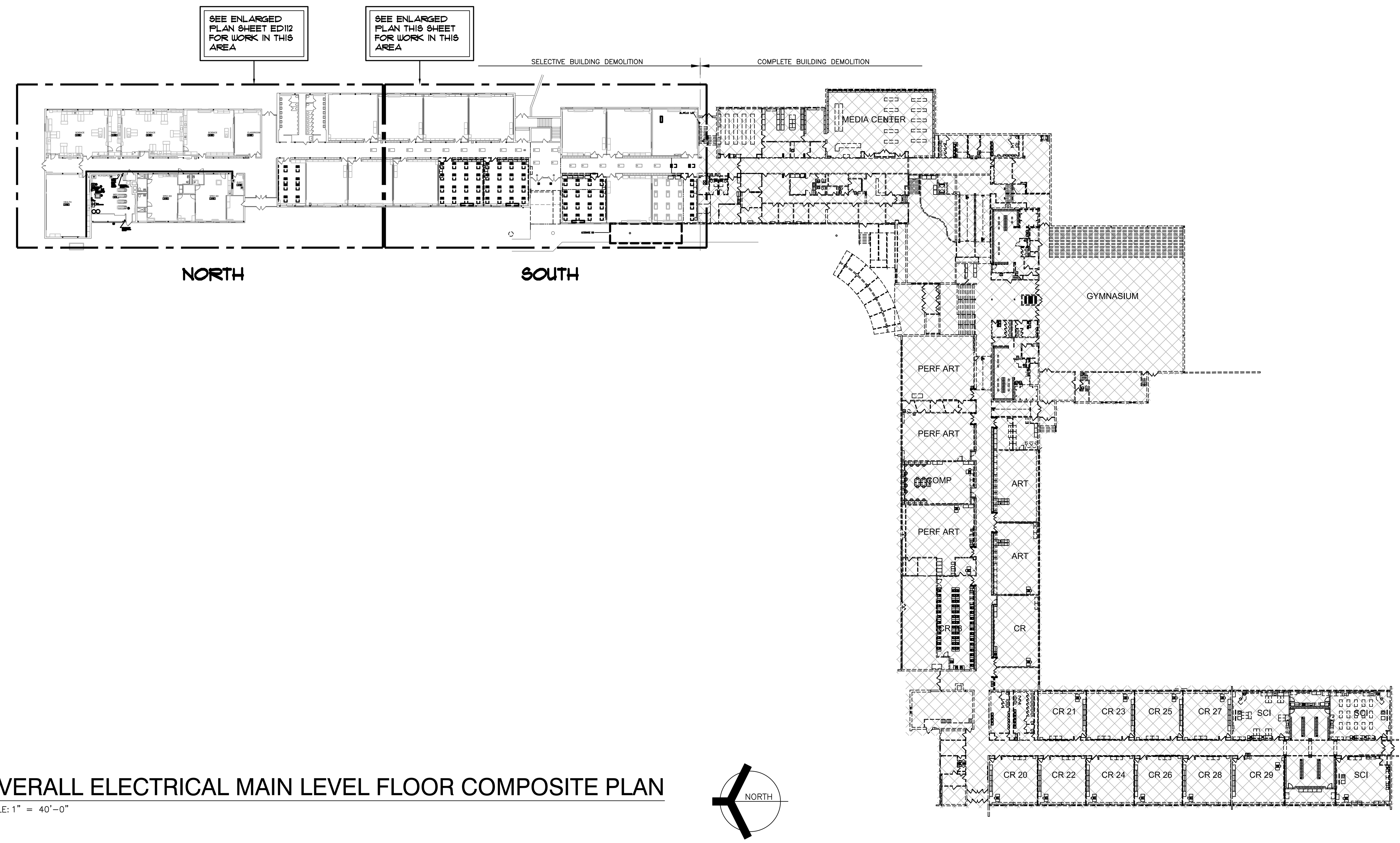
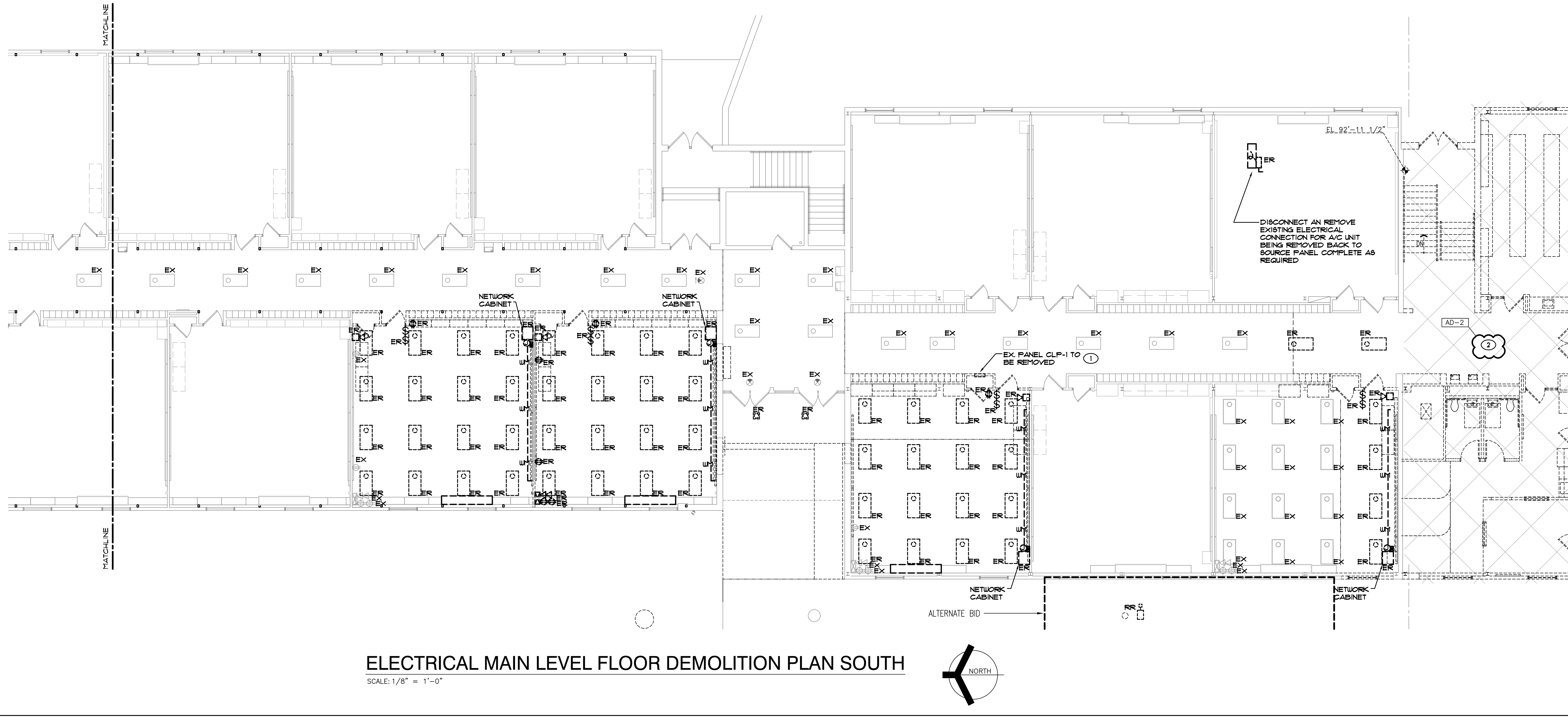
P-601



OVERALL ELECTRICAL MAIN LEVEL FLOOR COMPOSITE PLAN

SCALE: 1" = 40'-0"



ELECTRICAL MAIN LEVEL FLOOR DEMOLITION PLAN SOUTH

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

GENERAL NOTES

1. THE DEVICES SHOWN ON THE DRAWINGS HAVE BEEN LOCATED AS A SERVICE TO THE CONTRACTOR AND MAY NOT INDICATE THE COMPLETE SCOPE OF DEMOLITION WORK. CONTRACTOR SHALL FIELD VERIFY ALL DEVICES AND VERIFY THE COMPLETE SCOPE OF DEMOLITION WORK WITH ARCHITECT.
2. DISCONNECT AND REMOVE EXISTING LIGHTING (LABELED AND SHOWN AS 'ER') AND RELATED CIRCUITRY BACK TO NEAREST JUNCTION BOX COMPLETE AS REQUIRED. RETAIN ALL ASSOCIATED WIRING, CONDUIT, ETC. FOR USE WITH NEW LIGHTING AND CONTROLS.
3. CONTRACTOR SHALL CAREFULLY VERIFY EXISTING CONDUITS, BOXES, DEVICES, EQUIPMENT, LOW VOLTAGE DEVICES, ETC. LOCATED ON THE CEILING AND ON THE WALLS IN WHICH ARCHITECTURAL MODIFICATIONS, STRUCTURAL MODIFICATION OR NEW CEILINGS WILL BE LOCATED. CONTRACTOR SHALL REMOVE AND RELOCATE ALL CEILING AND WALL MOUNTED DEVICES AS REQUIRED TO ELIMINATE CONFLICTS BETWEEN EXISTING DEVICES AND ARCHITECTURAL/STRUCTURAL MODIFICATIONS. PROVIDE NEW SURFACE RACEWAY AND SURFACE RACEWAY BACKBOXES AS REQUIRED FOR ALL RELOCATED DEVICES, COMPLETE AS REQUIRED.
4. ALL LIGHT SWITCHES, SENSORS AND CONTROL DEVICES THAT BECOME ABANDONED AS PART OF THE WORK SHALL BE REMOVED.
5. CONTRACTOR SHALL FIELD VERIFY ALL LOCATIONS OF MECHANICAL AND PLUMBING EQUIPMENT THAT ARE REMOVED AS PART OF THIS WORK OR HAS BEEN PREVIOUSLY REMOVED BY OTHERS. ALL ABANDONED ELECTRICAL CONNECTIONS, WIRING, ACCESSIBLE CONDUIT, ETC. ARE TO BE REMOVED BACK TO SOURCE PANEL, COMPLETE AS REQUIRED.

SHEET NOTES

1. EXISTING PANEL TO BE REMOVED. PROVIDE SPICE BOX IN ACCESSIBLE CEILING SPACE ABOVE, AND RECESSED IN FLOOR BELOW AS REQUIRED TO INTERCEPT EXISTING BRANCH CIRCUITRY AND BOTTOM FED FEEDER FOR EXTENSION TO NEW PANEL LOCATION. VERIFY EXACT CONDITIONS AND REQUIREMENTS IN FIELD.

AD-2

2. DISCONNECT EXISTING CIRCUITRY AS REQUIRED TO FACILITATE DEMOLITION OF EXISTING BUILDING. ABANDONED CIRCUITRY SERVING LOADS WHICH HAVE BEEN DEMOLISHED SHALL HAVE WIRING REMOVED BACK TO SOURCE, AND SOURCE BREAKER LABELED AS SPARE. EXISTING CIRCUITRY INTERRUPTED BY BUILDING DEMOLITION WHICH HAS BEEN DISCONNECTED SHALL BE RECONNECTED AS REQUIRED. CIRCUITRY SERVED BY PANELS IN DEMOLISHED PORTION OF BUILDING SHALL BE EXTENDED TO EXISTING NEARBY PANEL WITH AVAILABLE SPACE. VERIFY EXACT CONDITIONS AND REQUIREMENTS IN THE FIELD.

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CROWN POINT, INDIANA

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PROJECT 21-115
DATE 04/15/22
COORDINATED BY SM
DRAWN BY AG
CHECKED BY DJ

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

REVISIONS

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DRAWING

ELECTRICAL MAIN LEVEL DEMOLITION PLAN

PROJECT

NEW ADMINISTRATION CENTER, ALTERNATIVE EDUCATION & RESOURCE CENTER, AND RELATED WORK

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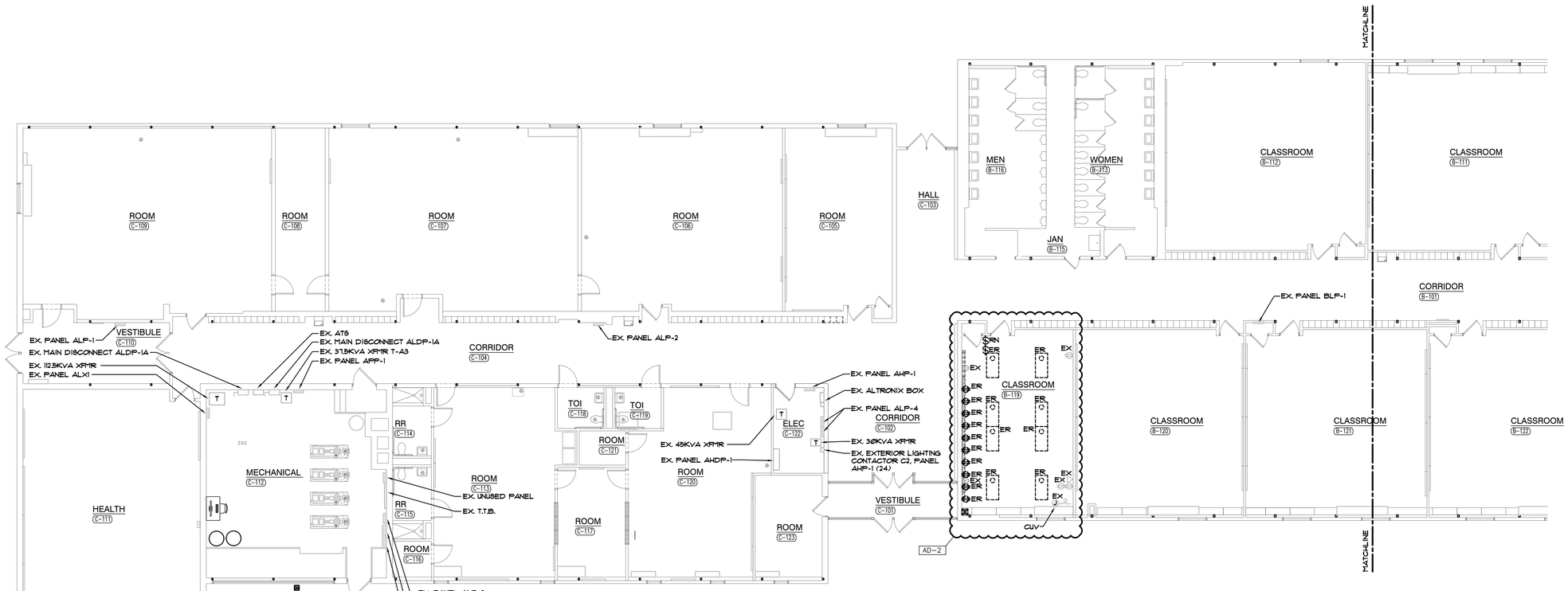
GENERAL NOTES

1. THE DEVICES SHOWN ON THE DRAWINGS HAVE BEEN LOCATED AS A SERVICE TO THE CONTRACTOR AND MAY NOT INDICATE THE COMPLETE SCOPE OF DEMOLITION WORK. CONTRACTOR SHALL FIELD VERIFY ALL DEVICES AND VERIFY THE COMPLETE SCOPE OF DEMOLITION WORK WITH ARCHITECT.
2. DISCONNECT AND REMOVE EXISTING LIGHTING (LABELED AND SHOWN AS 'ER') AND RELATED CIRCUITRY BACK TO NEAREST JUNCTION BOX COMPLETE AS REQUIRED. RETAIN ALL ASSOCIATED WIRING, CONDUIT, ETC. FOR USE WITH NEW LIGHTING AND CONTROLS.
3. CONTRACTOR SHALL CAREFULLY VERIFY EXISTING CONDUITS, BOXES, DEVICES, EQUIPMENT, LOW VOLTAGE DEVICES, ETC. LOCATED ON THE CEILING AND ON THE WALLS IN WHICH ARCHITECTURAL MODIFICATIONS, STRUCTURAL MODIFICATION OR NEW CEILINGS WILL BE LOCATED. CONTRACTOR SHALL REMOVE AND RELOCATE ALL CEILING AND WALL MOUNTED DEVICES AS REQUIRED TO ELIMINATE CONFLICTS BETWEEN EXISTING DEVICES AND ARCHITECTURAL/STRUCTURAL MODIFICATIONS. PROVIDE NEW SURFACE RACEWAY AND SURFACE RACEWAY BACKBOXES AS REQUIRED FOR ALL RELOCATED DEVICES, COMPLETE AS REQUIRED.
4. ALL LIGHT SWITCHES, SENSORS AND CONTROL DEVICES THAT BECOME ABANDONED AS PART OF THE WORK SHALL BE REMOVED.
5. CONTRACTOR SHALL FIELD VERIFY ALL LOCATIONS OF MECHANICAL AND PLUMBING EQUIPMENT THAT ARE REMOVED AS PART OF THIS WORK OR HAS BEEN PREVIOUSLY REMOVED BY OTHERS. ALL ABANDONED ELECTRICAL CONNECTIONS, WIRING, ACCESSIBLE CONDUIT, ETC. ARE TO BE REMOVED BACK TO SOURCE PANEL, COMPLETE AS REQUIRED.

AD-2



ELECTRICAL MAIN LEVEL FLOOR DEMOLITION PLAN NORTH

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

NORTH

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

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DRAWING
ELECTRICAL MAIN LEVEL DEMOLITION PLAN

PROJECT
NEW ADMINISTRATION CENTER, ALTERNATIVE EDUCATION & RESOURCE CENTER, AND RELATED WORK

SHEET
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GENERAL NOTES

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

SHEET NOTES

1. REFER TO MECHANICAL EQUIPMENT SCHEDULE FOR CIRCUITING AND WIRING INFORMATION.
2. VERIFY EXACT POWER REQUIREMENTS WITH MANUFACTURER PRIOR TO ROUGH-IN.
3. PROVIDE MINIMUM 3/4"C. FOR POWER AND 1-1/4"C. FOR LOW VOLTAGE UNDER FLOOR AND STUBBED UP WITHIN NEW FURNITURE SYSTEM TO NEW POWER AND DATA OUTLET LOCATIONS. ROUTE FMC WITHIN FURNITURE SYSTEM. COORDIANTE CONDITIONS AND REQUIREMENTS IN FIELD, COMPLETE AS REQUIRED.
4. TELEPHONE JACKS FOR ELEVATOR. CONNECT TO TELEPHONE SYSTEM COMPLETE AS REQUIRED VIA 1/2" CONDUIT TO T.T.B. VERIFY CONDITIONS AND REQUIREMENTS IN FIELD PRIOR TO ROUGH-IN.
5. 20A/2P FUSED LOCKABLE DISCONNECT SWITCH FOR ELEVATOR CAB LIGHTING. MOUNT DISCONNECT WITHIN 18" OF DOOR JAMB.
6. 60A/3P CIRCUIT BREAKER WITH AUXILIARY SHUNT TRIP. PROVIDE WIRING TO INTERFACE ELEVATOR CONTROLLER AND SHUNT TRIP TO FIRE ALARM SYSTEM AND DETECTORS. COMPLETE AS REQUIRED. SEE DETAILS AND SPECIFICATIONS FOR ADDITIONAL INFORMATION. MOUNT DISCONNECT WITHIN 18" OF DOOR JAMB.

1 EP101 FIRST FLOOR ELECTRICAL POWER PLAN

1/8" = 1'-0"

NORTH

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CHECKED BY
DJ

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

REVISIONS

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DRAWING
FIRST FLOOR ELECTRICAL POWER PLAN

PROJECT
NEW ADMINISTRATION CENTER, ALTERNATIVE EDUCATION & RESOURCE CENTER, AND RELATED WORK

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AD
EP101

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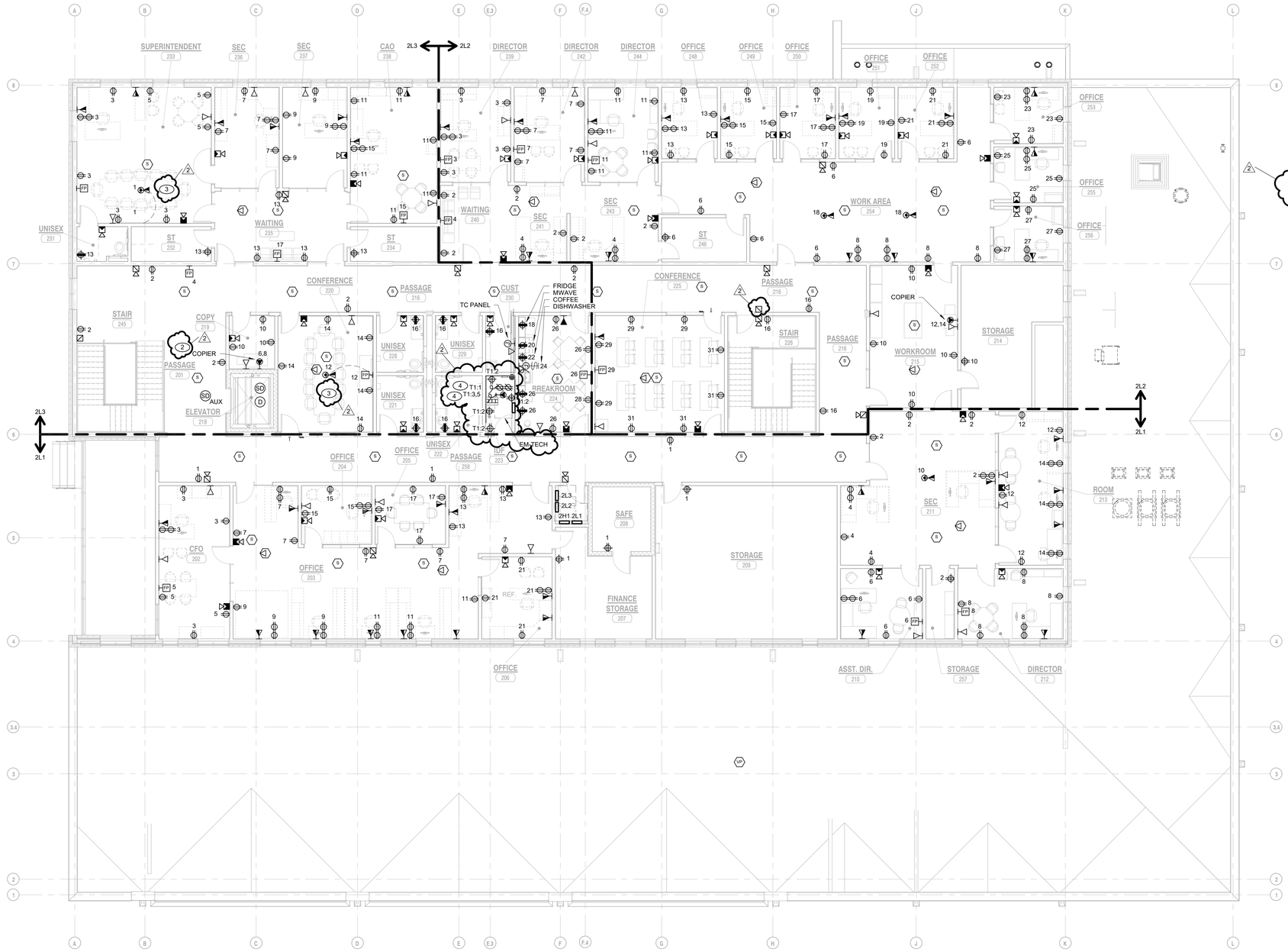
GENERAL NOTES

1. CIRCUIT ALL DEVICES TO PANEL INDICATED BY PANEL DIVISION LINES UNLESS OTHERWISE NOTED.
2. ALL DEVICES WITH A 'T' PREFIX SHALL BE CIRCUITED TO PANEL EM-TECH.
3. PROVIDE ALL LABOR AND MATERIAL TO PROVIDE THE NECESSARY ROUGH-INS, RACEWAYS AND ELECTRICAL SERVICES FOR ALL OF THE ACCESS CONTROL, SOUND SYSTEMS, TECHNOLOGY SYSTEMS AND EQUIPMENT. SEE TECHNOLOGY DRAWINGS AND SPECIFICATIONS FOR LOCATIONS OF DEVICES/EQUIPMENT, MOUNTING HEIGHTS AND ELECTRICAL REQUIREMENTS. COORDINATE AND VERIFY EXACT LOCATIONS OF ALL ROUGH-INS AND REQUIREMENTS WITH TECH DYNE, ARCHITECT, OWNER, CONSTRUCTION MANAGER AND DIVISION 27 CONTRACTOR PRIOR TO ROUGHING-IN.

SHEET NOTES

1. REFER TO MECHANICAL EQUIPMENT SCHEDULE FOR CIRCUITING AND WIRING INFORMATION.
2. VERIFY EXACT POWER REQUIREMENTS WITH MANUFACTURER PRIOR TO ROUGH-IN.
3. PROVIDE MINIMUM 3/4"C. FOR POWER AND 1-1/4"C. FOR LOW VOLTAGE UNDER FLOOR AND STUBBED UP WITHIN NEW FURNITURE SYSTEM TO NEW POWER AND DATA OUTLET LOCATIONS. ROUTE FMC WITHIN FURNITURE SYSTEM. COORDIANTE CONDITIONS AND REQUIREMENTS IN FIELD. COMPLETE AS REQUIRED.
4. RECEPTACLES MOUNTED TO LADDER RACK OVERHEAD



1 EP102 **SECOND FLOOR ELECTRICAL POWER PLAN**
1/8" = 1'-0"

NORTH

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CHECKED BY DJ

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

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DRAWING
SECOND FLOOR ELECTRICAL POWER PLAN

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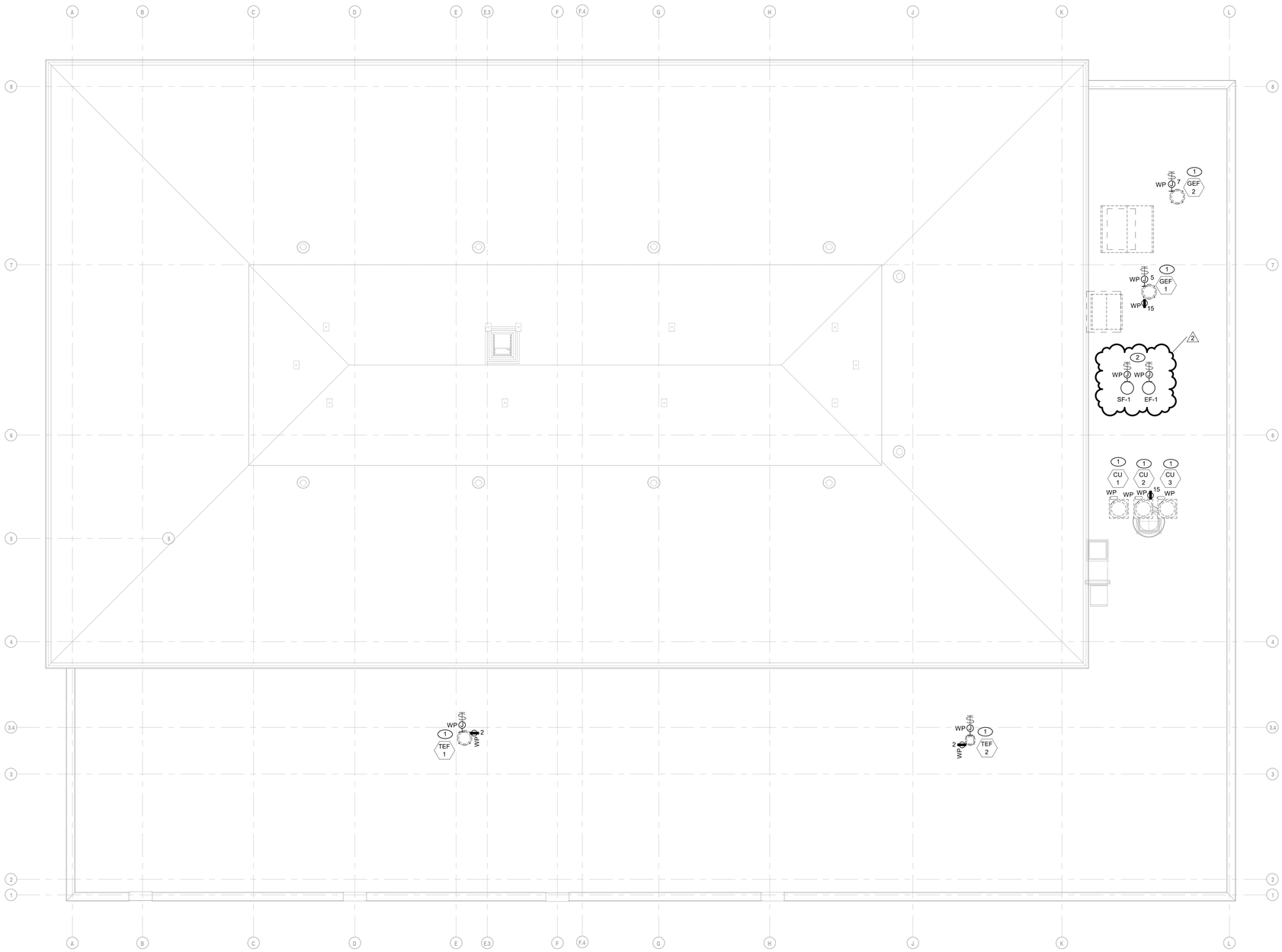
GENERAL NOTES

1. ALL DEVICES SHALL BE CIRCUITED ACCORDING TO CIRCUIT PREFIX UNLESS OTHERWISE NOTED.

SHEET NOTES

1. REFER TO MECHANICAL EQUIPMENT SCHEDULE FOR CIRCUITING AND WIRING INFORMATION.
2. COORDINATE ROOFTOP PLACEMENT OF EXHAUST AND MAKE UP AIR FANS, FREEZER/COOLER CONDENSING UNITS WITH KEC.
3. LOCATE WEATHERPROOF GFI TYPE RECEPTACLE ON UNIT IN AN APPROVED MANNER, COMPLETE AS REQUIRED.



ROOF ELECTRICAL POWER PLAN

1 / EP103 — 1/8" = 1'-0"

NORTH

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

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ROOF ELECTRICAL POWER PLAN

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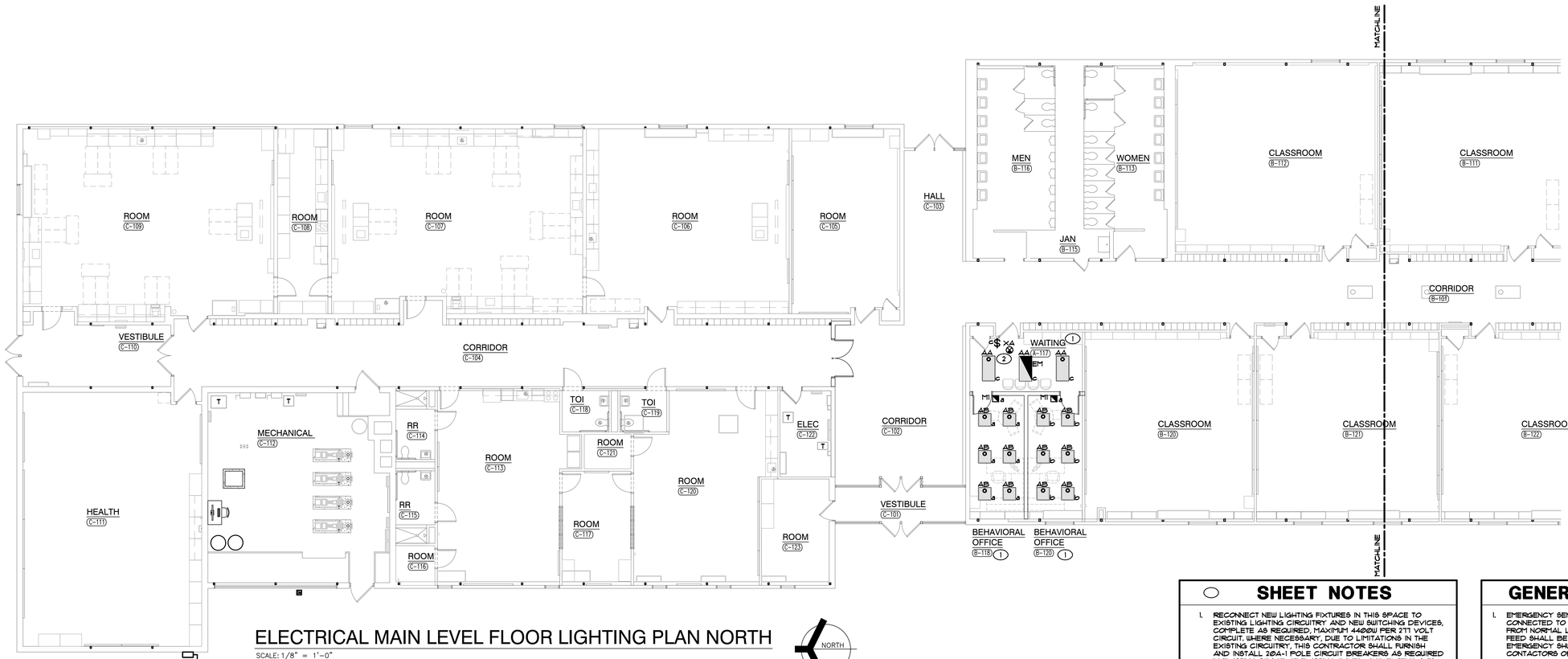
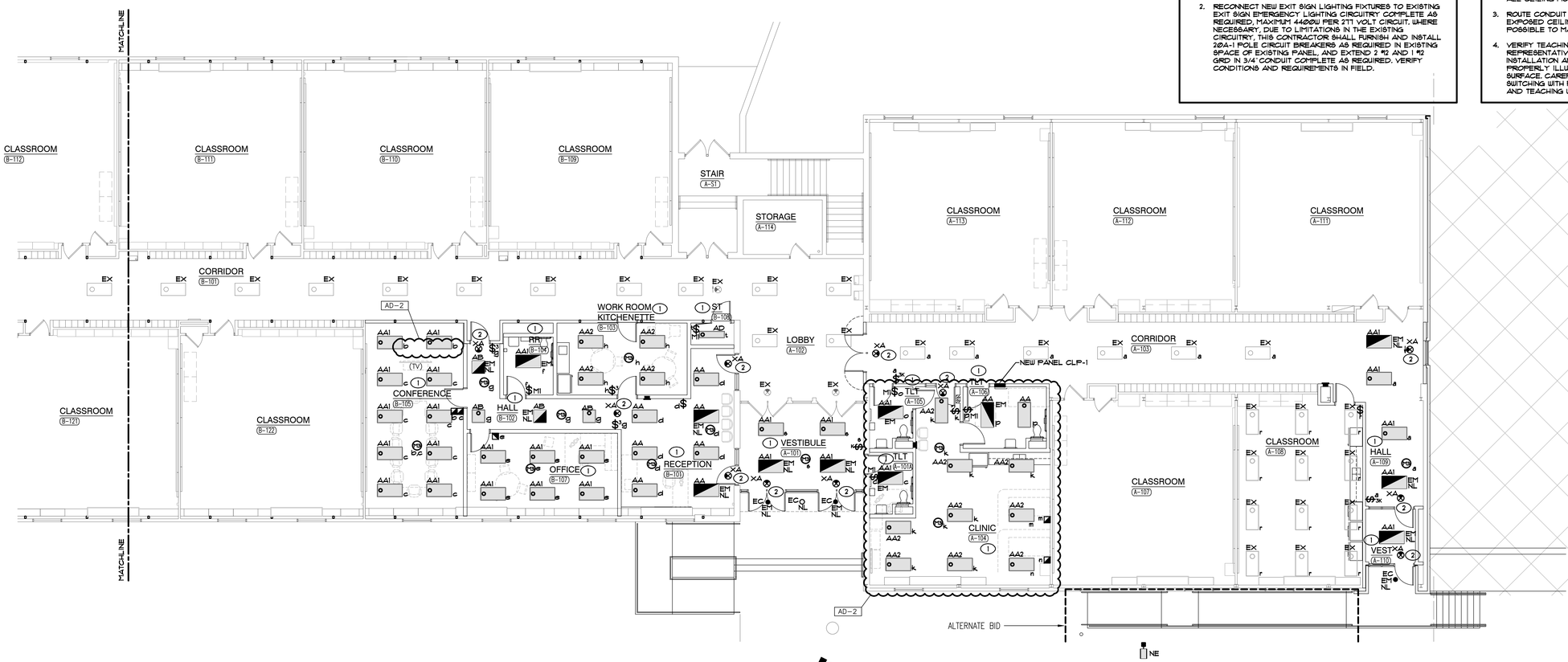
AD EP103



ELECTRICAL MAIN LEVEL FLOOR LIGHTING PLAN NORTH

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



ELECTRICAL MAIN LEVEL FLOOR LIGHTING PLAN SOUTH

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

SHEET NOTES

1. RECONNECT NEW LIGHTING FIXTURES IN THIS SPACE TO EXISTING LIGHTING CIRCUITRY AND NEW SWITCHING DEVICES, COMPLETE AS REQUIRED, MAXIMUM 4400U PER 277 VOLT CIRCUIT. WHERE NECESSARY, DUE TO LIMITATIONS IN THE EXISTING CIRCUITRY, THIS CONTRACTOR SHALL FURNISH AND INSTALL 20A-1 POLE CIRCUIT BREAKERS AS REQUIRED IN EXISTING SPACE OF EXISTING PANEL, AND EXTEND 2 #12 AND 1 #12 GRD IN 3/4" CONDUIT COMPLETE AS REQUIRED. VERIFY CONDITIONS AND REQUIREMENTS IN FIELD.
2. RECONNECT NEW EXIT SIGN LIGHTING FIXTURES TO EXISTING EXIT SIGN EMERGENCY LIGHTING CIRCUITRY COMPLETE AS REQUIRED, MAXIMUM 4400U PER 277 VOLT CIRCUIT. WHERE NECESSARY, DUE TO LIMITATIONS IN THE EXISTING CIRCUITRY, THIS CONTRACTOR SHALL FURNISH AND INSTALL 20A-1 POLE CIRCUIT BREAKERS AS REQUIRED IN EXISTING SPACE OF EXISTING PANEL, AND EXTEND 2 #12 AND 1 #12 GRD IN 3/4" CONDUIT COMPLETE AS REQUIRED. VERIFY CONDITIONS AND REQUIREMENTS IN FIELD.

GENERAL NOTES

1. EMERGENCY SENSING LEADS SHALL BE CONNECTED TO CONSTANT HOT FEEDS FROM NORMAL LIGHTING IN ROOM. THIS FEED SHALL BE TAKEN AHEAD OF ANY EMERGENCY SHUTDOWNS, RELAYS, CONTACTORS OR SWITCHES.
2. REFER TO ARCHITECTURAL REFLECTED CEILING PLAN FOR EXACT LOCATION OF ALL CEILING MOUNTED LIGHT FIXTURES.
3. ROUTE CONDUIT AS TIGHT TO THE EXPOSED CEILINGS AND STRUCTURE AS POSSIBLE TO MAXIMIZE CEILING SPACE.
4. VERIFY TEACHING SURFACE WITH OWNER'S REPRESENTATIVE IN FIELD PRIOR TO INSTALLATION AND ADJUST SWITCHING TO PROPERLY ILLUMINATE TEACHING SURFACE. CAREFULLY COORDINATE FINAL SWITCHING WITH FINAL FURNITURE PLANS AND TEACHING WALL LOCATIONS.

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DRAWING
ELECTRICAL MAIN LEVEL LIGHTING PLAN

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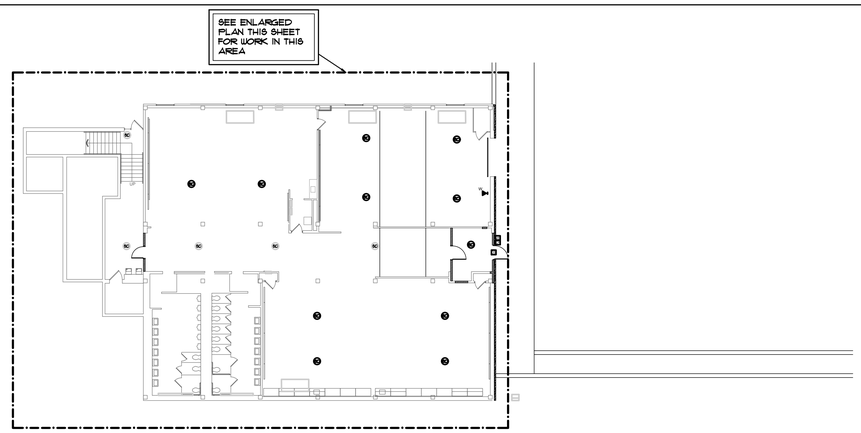


OVERALL ELECTRICAL LOWER LEVEL FLOOR COMPOSITE PLAN

SCALE: 1" = 40'-0"

NORTH

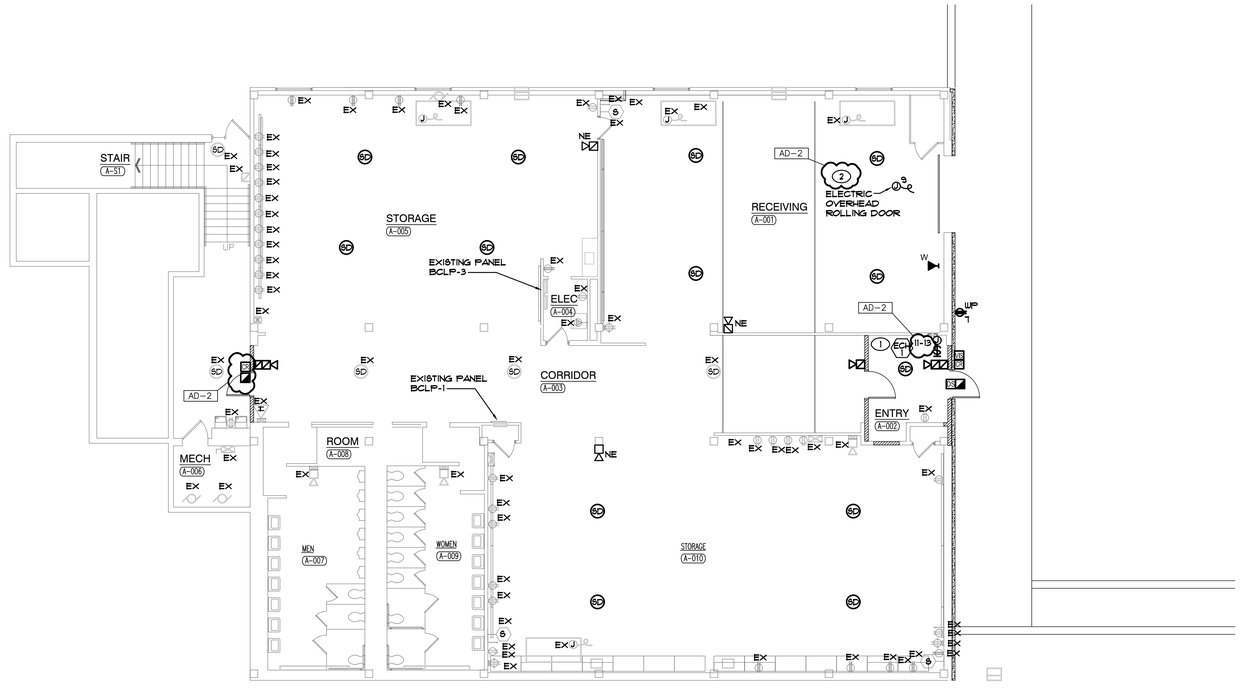
GENERAL NOTES

1. CIRCUIT ALL DEVICES TO EXISTING PANEL BCLP-3 UNLESS OTHERWISE NOTED. CIRCUIT NUMBERS ARE ARBITRARY AND ARE ONLY SHOWN TO INDICATE CIRCUITING REQUIREMENTS. NEW CIRCUIT BREAKERS SHALL MATCH THE MAKE, MODEL AND WITHSTAND RATING OF THE EXISTING PANELBOARD. VERIFY EXACT CONDITIONS AND REQUIREMENTS IN FIELD.
2. PROVIDE ALL LABOR AND MATERIAL TO PROVIDE THE NECESSARY ROUGH-INS, RACEWAYS AND ELECTRICAL SERVICES FOR ALL OF THE ACCESS CONTROL, SOUND SYSTEMS, TECHNOLOGY SYSTEMS AND EQUIPMENT. SEE TECHNOLOGY DRAWINGS AND SPECIFICATIONS FOR LOCATIONS OF DEVICES/EQUIPMENT, MOUNTING HEIGHTS AND ELECTRICAL REQUIREMENTS. COORDINATE AND VERIFY EXACT LOCATIONS OF ALL OF THESE ROUGH-INS AND REQUIREMENTS WITH TECH DYNE, ARCHITECT, OWNER, CONSTRUCTION MANAGER AND DIVISION 21 CONTRACTOR PRIOR TO ROUGHING-IN.

SHEET NOTES

AD-2

1. REFER TO MECHANICAL EQUIPMENT CONNECTION SCHEDULE FOR ADDITIONAL CIRCUITING AND WIRING INFORMATION.
2. ELECTRONIC ROLLING DOOR - PROVIDE WITH WALL STATION CONTROL ROUGH-IN. VERIFY LOCATION AND REQUIREMENTS IN FIELD.



ELECTRICAL LOWER LEVEL FLOOR POWER PLAN SOUTH

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

NORTH

Wednesday, 5/4/2022 - 1:41 PM - LAST SAVED BY:AGIDCUMB
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CROWN POINT, INDIANA

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PROJECT 21-115
DATE 04/15/22
COORDINATED BY SM
DRAWN BY AC
CHECKED BY DJ

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

REVISIONS

MARK	DATE	ISSUED FOR
AD-2	05/05/22	ADDENDUM NO. 2

DRAWING
ELECTRICAL LOWER LEVEL POWER PLAN

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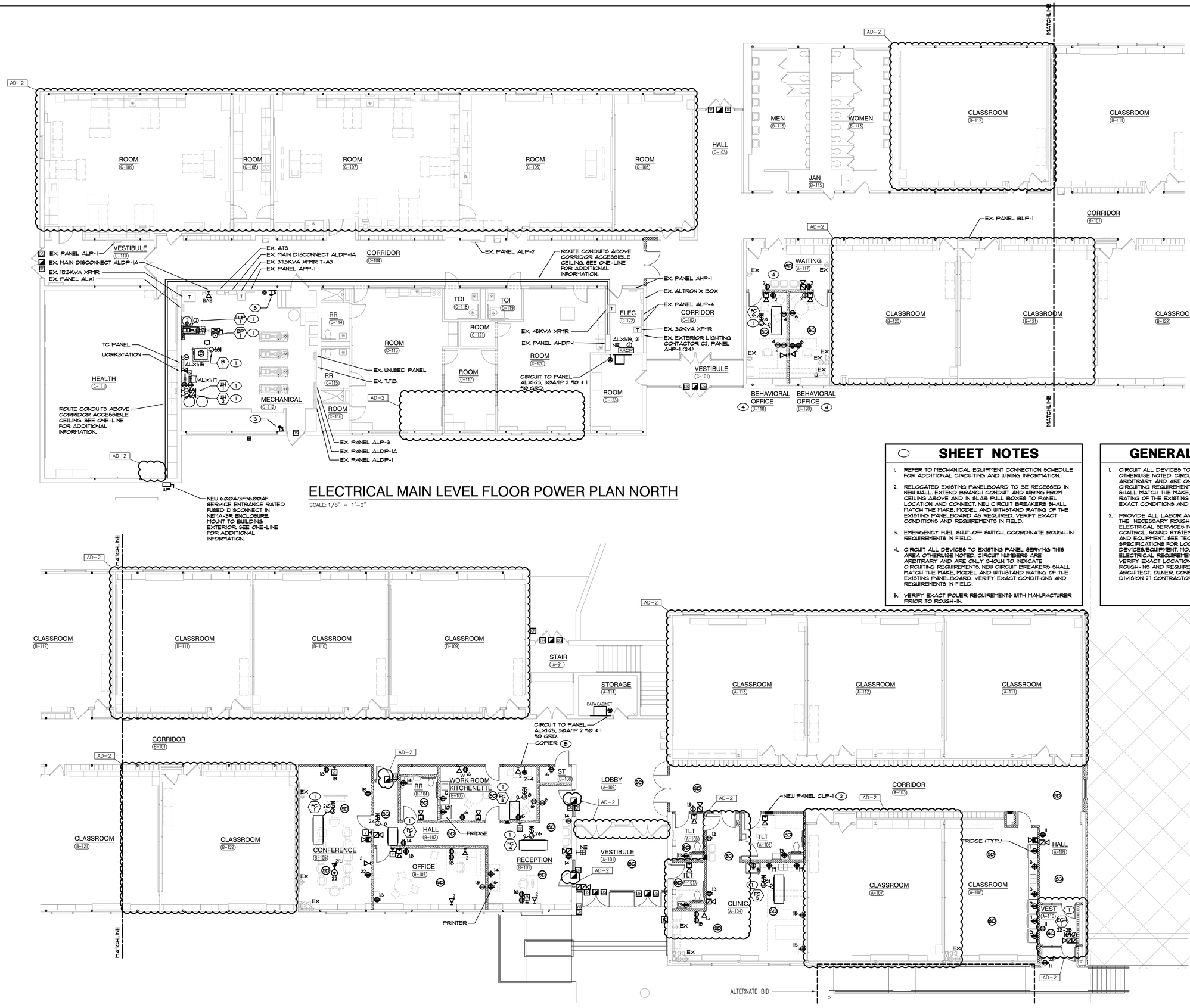
SHEET AR EP110



ELECTRICAL MAIN LEVEL FLOOR POWER PLAN NORTH

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

ELECTRICAL MAIN LEVEL FLOOR POWER PLAN SOUTH

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

SHEET NOTES

1. REFER TO MECHANICAL EQUIPMENT CONNECTION SCHEDULE FOR ADDITIONAL CIRCUITING AND WIRING INFORMATION.
2. RELOCATED EXISTING PANELBOARD TO BE RECESSED IN NEW WALL. EXTEND BRANCH CONDUIT AND WIRING FROM CEILING ABOVE AND IN SLAB PULL BOXES TO PANEL LOCATION AND CONNECT. NEW CIRCUIT BREAKERS SHALL MATCH THE MAKE, MODEL AND WITHSTAND RATING OF THE EXISTING PANELBOARD AS REQUIRED. VERIFY EXACT CONDITIONS AND REQUIREMENTS IN FIELD.
3. EMERGENCY FUEL SHUT-OFF SWITCH. COORDINATE ROUGH-IN REQUIREMENTS IN FIELD.
4. CIRCUIT ALL DEVICES TO EXISTING PANEL SERVING THIS AREA OTHERWISE NOTED. CIRCUIT NUMBERS ARE ARBITRARY AND ARE ONLY SHOWN TO INDICATE CIRCUITING REQUIREMENTS. NEW CIRCUIT BREAKERS SHALL MATCH THE MAKE, MODEL AND WITHSTAND RATING OF THE EXISTING PANELBOARD. VERIFY EXACT CONDITIONS AND REQUIREMENTS IN FIELD.
5. VERIFY EXACT POWER REQUIREMENTS WITH MANUFACTURER PRIOR TO ROUGH-IN.

GENERAL NOTES

1. CIRCUIT ALL DEVICES TO NEW PANEL CLP-1 UNLESS OTHERWISE NOTED. CIRCUIT NUMBERS ARE ARBITRARY AND ARE ONLY SHOWN TO INDICATE CIRCUITING REQUIREMENTS. NEW CIRCUIT BREAKERS SHALL MATCH THE MAKE, MODEL AND WITHSTAND RATING OF THE EXISTING PANELBOARD. VERIFY EXACT CONDITIONS AND REQUIREMENTS IN FIELD.
2. PROVIDE ALL LABOR AND MATERIAL TO PROVIDE THE NECESSARY ROUGH-INS, RACEWAYS AND ELECTRICAL SERVICES FOR ALL OF THE ACCESS CONTROL, SOUND SYSTEMS, TECHNOLOGY SYSTEMS AND EQUIPMENT. SEE TECHNOLOGY DRAWINGS AND SPECIFICATIONS FOR LOCATIONS OF DEVICES/EQUIPMENT, MOUNTING HEIGHTS AND ELECTRICAL REQUIREMENTS. COORDINATE AND VERIFY EXACT LOCATIONS OF ALL OF THESE ROUGH-INS AND REQUIREMENTS WITH TECH DYNE, ARCHITECT, OWNER, CONSTRUCTION MANAGER AND DIVISION 21 CONTRACTOR PRIOR TO ROUGHING-IN.

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DRAWING
ELECTRICAL MAIN LEVEL POWER PLAN

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SHEET AR EP111

Wednesday, 5/4/2022 - 1:41 PM - LAST SAVED BY:AGIDCUMB
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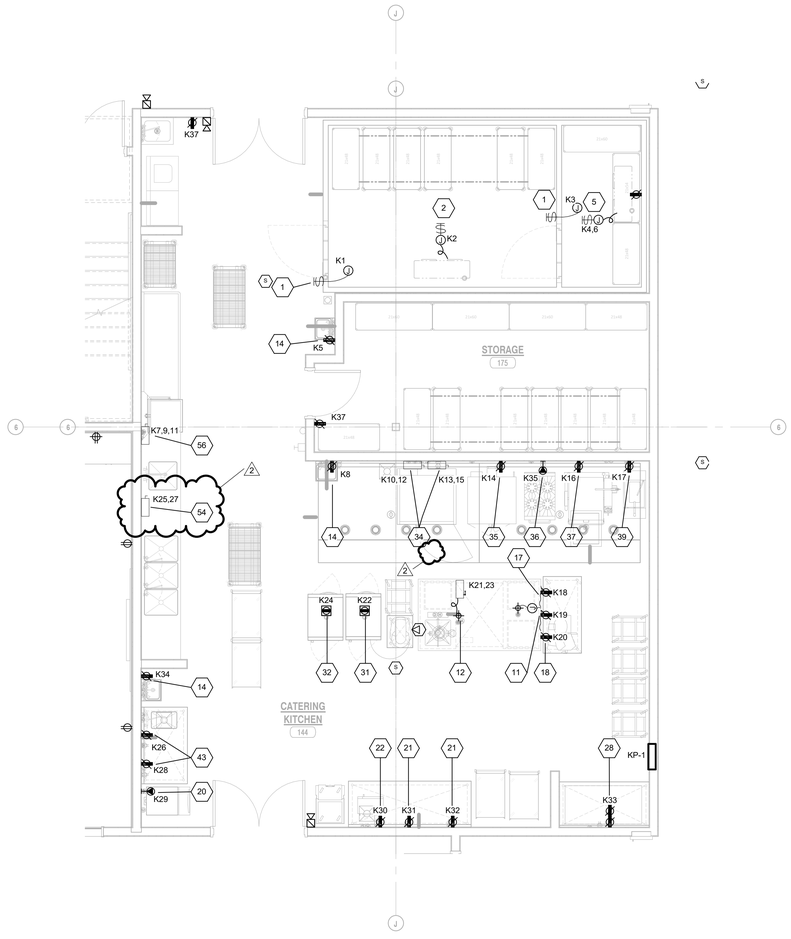
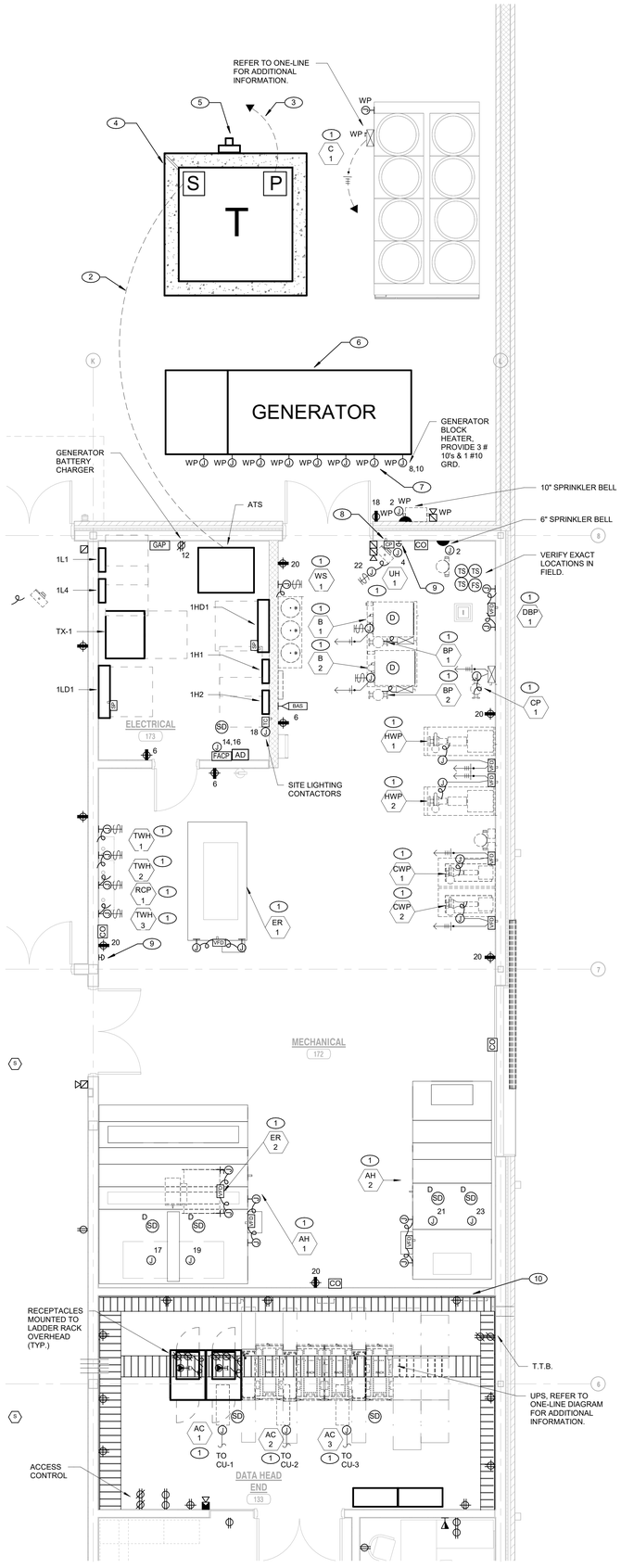


1 FIRST FLOOR ELECTRICAL ENLARGED KITCHEN POWER PLAN

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



2 FIRST FLOOR ENLARGED MECHANICAL ROOM ELECTRICAL POWER PLAN

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

GENERAL NOTES

1. CONTACT UTILITY COMPANY TO DETERMINE EXACT ELECTRICAL BOX LOCATION, AND ALL CONDUIT/WIRE SIZES AND ROUTING PRIOR TO CALCULATING FINAL WIRE LENGTHS AND ORDERING EQUIPMENT. VERIFY ALL LOCATIONS IN FIELD, COMPLETE AS REQUIRED.
2. PROVIDE ALL LABOR AND MATERIAL TO PROVIDE THE NECESSARY ROUGH-INS, RACEWAYS AND ELECTRICAL SERVICES FOR ALL OF THE ACCESS CONTROL, SOUND SYSTEMS, TECHNOLOGY SYSTEMS AND EQUIPMENT. SEE TECHNOLOGY DRAWINGS AND SPECIFICATIONS FOR LOCATIONS OF DEVICES/EQUIPMENT, MOUNTING HEIGHTS AND ELECTRICAL REQUIREMENTS. COORDINATE AND VERIFY EXACT LOCATIONS OF ALL ROUGH-INS AND REQUIREMENTS WITH TECH DYNE, ARCHITECT, OWNER, CONSTRUCTION MANAGER AND DIVISION 27 CONTRACTOR PRIOR TO ROUGHING-IN.
3. ALL DEVICES SHALL BE CIRCUITED TO PANEL 1L1 UNLESS OTHERWISE NOTED.
4. ALL DEVICES WITH A 'K' PREFIX SHALL BE CIRCUITED TO PANEL KP-1.
5. ALL DEVICES WITH A 'T' PREFIX SHALL BE CIRCUITED TO PANEL EM-TECH1.
6. ALL DEVICES WITH A 'B' PREFIX SHALL BE CIRCUITED TO PANEL EM-TECH2.
7. THE CONTRACTOR SHALL FULLY REVIEW THE KITCHEN DRAWINGS AS PART OF THE CONTRACT DOCUMENT REQUIREMENTS. THE CONTRACTOR SHALL PROVIDE ALL POWER, FIRE ALARM CONNECTIONS, LOW VOLTAGE AND LOW VOLTAGE ROUGH-INS AS REQUIRED AND AS SHOWN ON THE KITCHEN DRAWINGS FOR A COMPLETE AND PROPER INSTALLATION OF ALL SYSTEMS. IN ADDITION, FINAL OVERCURRENT SIZES, FEEDER SIZES, DISCONNECT SWITCH REQUIREMENTS, THERMAL SWITCH REQUIREMENTS, JUNCTION BOX SIZES/TYPES AND CONNECTION TYPES SHALL BE VERIFIED PRIOR TO START OF ROUGH-IN. VERIFY CONDITIONS AND REQUIREMENTS IN FIELD, OTHER TRADES, FINAL EQUIPMENT SHOP DRAWINGS AND WITH KITCHEN DRAWINGS, COMPLETE AS REQUIRED.
8. SPECIFIC AMP LOAD AND CONNECTIONS TO BE COORDINATED WITH FINAL EQUIPMENT SELECTIONS PROVIDED BY KEC DOCUMENTATION POST BID AWARD.
9. REFER TO KITCHEN EQUIPMENT CONNECTION SCHEDULE FOR ADDITIONAL CIRCUITING AND WIRING INFORMATION.

SHEET NOTES

1. REFER TO MECHANICAL EQUIPMENT SCHEDULE FOR CIRCUITING AND WIRING INFORMATION.
2. MAIN SERVICE SECONDARY FEEDER. REFER TO ONE-LINE DIAGRAM FOR ADDITIONAL INFORMATION.
3. UTILITY PRIMARY FEEDER. COORDINATE WITH UTILITY COMPANY TO ROUTE CONDUIT, UNDERGROUND, TO UTILITY COMPANY ELECTRICAL BOX. VERIFY EXACT ROUTING, CONDUIT SIZE AND ELECTRICAL BOX LOCATION IN FIELD WITH UTILITY COMPANY. PROVIDE PULL BOX TO MATCH UTILITY COMPANY STANDARDS.
4. UTILITY COMPANY PAD MOUNTED TRANSFORMER. FURNISH AND INSTALL TRANSFORMER PAD PER UTILITY COMPANY STANDARDS AND SPECIFICATIONS, INCLUDING GROUNDING, PAD SIZE, CLEARANCES, ETC.
5. EXTERIOR MOUNTED UTILITY METER FOR MAIN ELECTRICAL SERVICE. PROVIDE UTILITY METER PER UTILITY COMPANY REQUIREMENTS. COORDINATE PROPER CLEARANCES, GROUNDING, MOUNTING, MOUNTING HEIGHT, LOCATION AND ANY ADDITIONAL REQUIREMENTS WITH UTILITY COMPANY STANDARDS PRIOR TO PROVIDING BID. VERIFY EXACT LOCAITON IN FIELD WITH UTILTIY COMPANY.
6. NEW 400KW NATURAL GAS GENERATOR. COORDINATE LAYOUT WITH GENERATOR COMPANY TO PROVIDE ALL PROPER WORKING CLEARANCES.
7. PROVIDE ALL POWER AND LOW VOLTAGE CONDUITS AS REQUIRED. ALL CONDUITS TO BE ROUTED CONCEALED BELOW GRADE.
8. HEAT TRACE CONTROL PANEL. REFER TO MECHANICAL SPECIFICATIONS.
9. EMERGENCY FUEL SHUT-OFF SWITCH. COORDINATE ROUGH-IN REQUIREMENTS IN FIELD.
10. TELECOM GROUNDING BUSBAR. COORDINATE FINAL LOCATION IN ROOM WITH TECHNOLOGY EQUIPMENT INSTALLER. REFER TO GROUNDING DETAIL AND GROUNDING BUSBAR DETAIL FOR ADDITIONAL INFORMATION.

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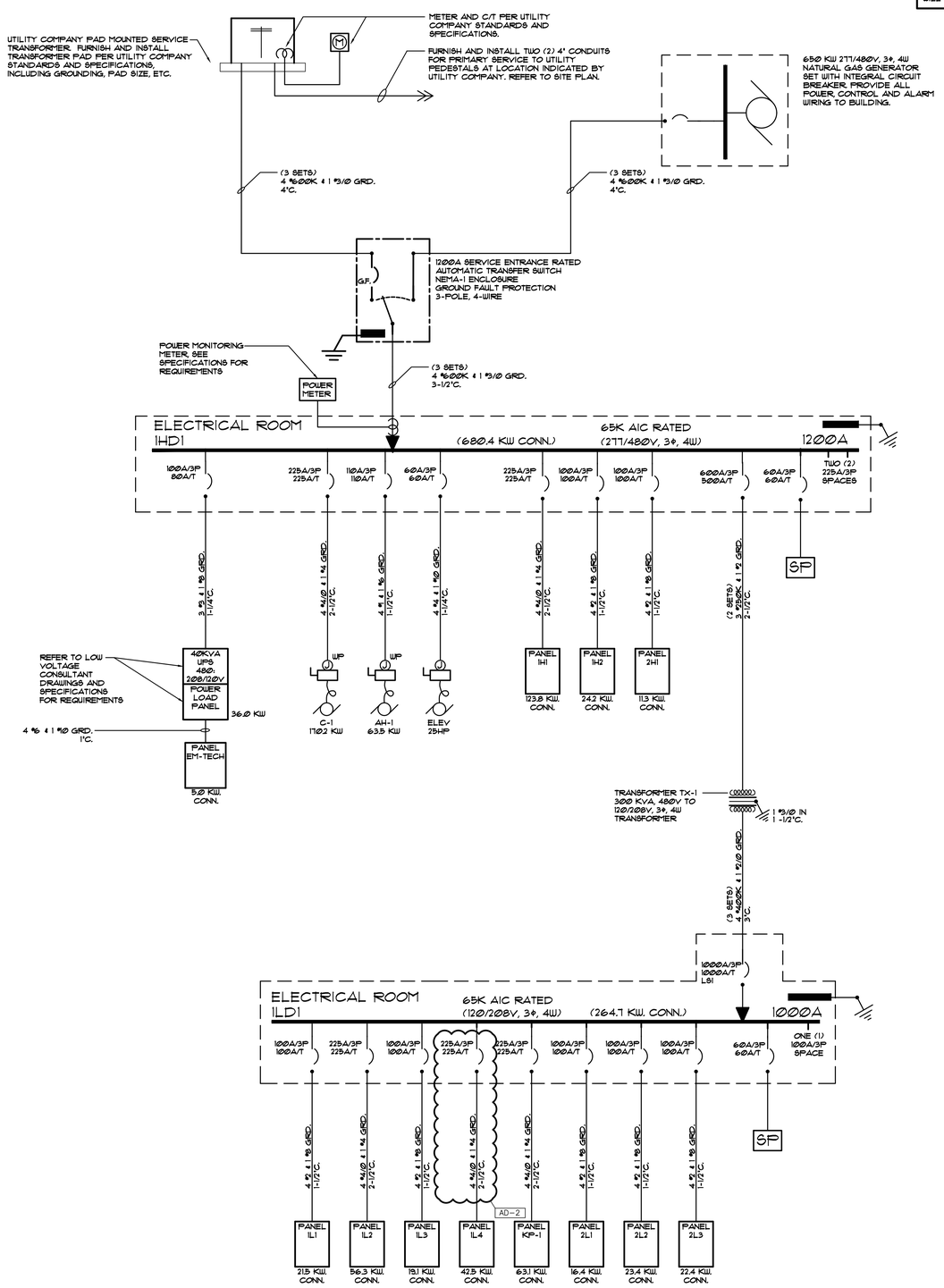
NEW ADMINISTRATION CENTER, ALTERNATIVE EDUCATION & RESOURCE CENTER, AND RELATED WORK

SHEET AD E-401

ADMINISTRATION CENTER - ELECTRICAL ONE-LINE SCHEMATIC DIAGRAM

PER SPECIFICATION SECTION 26 05 73 PROVIDE AN ARC FLASH AND COORDINATION STUDY. SUBMIT REPORT AND CERTIFIED TEST REPORTS AFTER INSTALLATION OF THE ELECTRICAL DISTRIBUTION SYSTEM. SUBMIT A PRELIMINARY COORDINATION STUDY WITH THE ELECTRICAL EQUIPMENT DURING SHOP DRAWINGS AND PRODUCT DATA SUBMISSION. SHOP DRAWINGS WILL BE REJECTED IF PRELIMINARY STUDY IS NOT INCLUDED.



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DRAWING
ELECTRICAL ONE-LINE DIAGRAM

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SHEET
E-501

BOTTLE FILLER WIRING DETAIL

(NTS.)

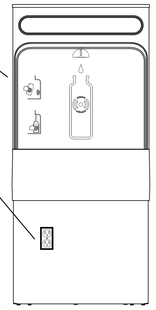
RECEPTACLE CIRCUIT SHALL BE PROVIDED WITH GFI CIRCUIT. BREAKER AS REQUIRED BY CODE

BOTTLE FILLER

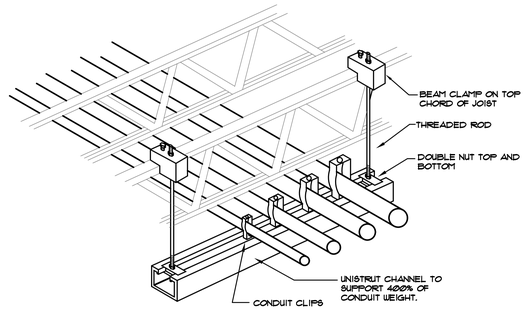
VERIFY ROUGH-IN-HEIGHT WITH APPROVED MFG. SHOP DRAWING

PLAN SYMBOL BOTTLE FILLER

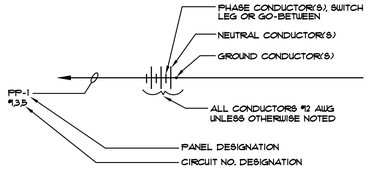
COORDINATE RECEPTACLE LOCATION PRIOR TO ROUGH-IN TO ENSURE THE RECEPTACLE IS LOCATED WITHIN THE BOTTLE FILLER ENCLOSURE AND ACCESSIBLE FROM THE STANDARD ACCESS PANEL IN THE BOTTLE FILLER ENCLOSURE.



2 1/2" AND LARGER CONDUIT SUPPORT DETAIL



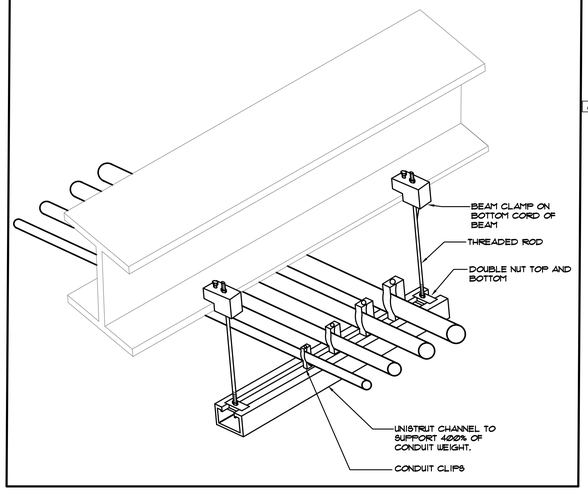
KEY TO ELECTRICAL CIRCUIT WIRING



NOTES:

1. ALL WIRING SHALL BE #12 AWG, UNLESS OTHERWISE NOTED.
2. MINIMUM CONDUIT SIZE SHALL BE ¾" EXCEPT FOR THREE (3) WIRES OR LESS, OR CONTROL WIRING WITHIN BUILDINGS, WHICH MAY BE ½" CONDUIT.
3. ½" FLEXSTEEL, GREENFIELD OR SEALITE SHALL BE THE MINIMUM SIZE INSTALLED.

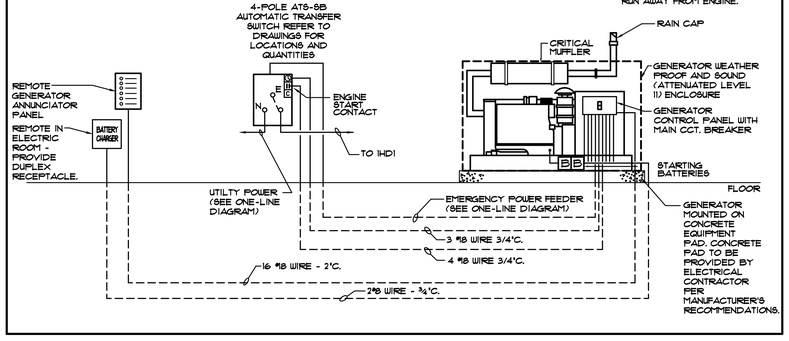
2 1/2" AND LARGER CONDUIT SUPPORT DETAIL



EMERGENCY STANDBY GENERATOR WIRING SCHEMATIC

N.T.S.

NOTE:
PITCH ALL PIPING SLIGHTLY, TO ENCOURAGE CONDENSATION TO RUN AWAY FROM ENGINE.



INTERIOR LIGHTING LUMINAIRE SCHEDULE

TAG	SYMBOL	DESCRIPTION	MANUFACTURER SERIES OR CATALOG NUMBER	VOLTAGE/ BALLAST	LAMPS/CROSS SECTION	MOUNTING	REMARKS
AA		2' X 4' LED DIRECT/INDIRECT FIXTURE	LITHONIA *2BLT4-40L-ADP-EZI-LP840 COLUMBIA *LCAT24 SERIES METALUX *24CZ2 SERIES	120/277 VOLT 0-10V DIM	LED 4000K MAX 32 W MIN 4000 LM	RECESSED LAY-IN	- - - -
AA1		2' X 4' LED DIRECT/INDIRECT FIXTURE	LITHONIA *2BLT4-48L-ADP-EZI-LP840 COLUMBIA *LCAT24 SERIES METALUX *24CZ2 SERIES	120/277 VOLT 0-10V DIM	LED 4000K MAX 38 W MIN 4800 LM	RECESSED LAY-IN	- - - -
AA2		2' X 4' LED DIRECT/INDIRECT FIXTURE	LITHONIA *2BLT4-60L-ADP-EZI-LP840 COLUMBIA *LCAT24 SERIES METALUX *24CZ2 SERIES	120/277 VOLT 0-10V DIM	LED 4000K MAX 48 W MIN 6000 LM	RECESSED LAY-IN	- - - -
AA3		2' X 4' LED DIRECT/INDIRECT FIXTURE	LITHONIA *2BLT4-72L-ADP-EZI-LP840 COLUMBIA *LCAT24 SERIES METALUX *24CZ2 SERIES	120/277 VOLT 0-10V DIM	LED 4000K MAX 57 W MIN 7200 LM	RECESSED LAY-IN	- - - -
AB		2' X 2' LED DIRECT/INDIRECT FIXTURE	LITHONIA *2BLT2-40L-ADP-EZI-LP840 COLUMBIA *LCAT22 SERIES METALUX *22CZ2 SERIES	120/277 VOLT 0-10V DIM	LED 4000K MAX 32 W MIN 4000 LM	RECESSED LAY-IN	- - - -
AB1		2' X 2' LED DIRECT/INDIRECT FIXTURE	LITHONIA *2BLT2-48L-ADP-EZI-LP840 COLUMBIA *LCAT22 SERIES METALUX *22CZ2 SERIES	120/277 VOLT 0-10V DIM	LED 4000K MAX 44 W MIN 4800 LM	RECESSED LAY-IN	- - - -
AB2		2' X 2' LED DIRECT/INDIRECT FIXTURE	LITHONIA *2BLT2-20L-ADP-EZI-LP840 COLUMBIA *LCAT22 SERIES METALUX *22CZ2 SERIES	120/277 VOLT 0-10V DIM	LED 4000K MAX 26 W MIN 2000 LM	RECESSED LAY-IN	- - - -
AC		2' X 4' LED LENSED KITCHEN TROFFER FIXTURE WITH INVERTED LENS AND TRIPLE GASKETING	LITHONIA *2GTL4-80L-RU-A19INV-MVOLT-EZI-LP840-ABC COLUMBIA *LJT24 SERIES CREALUX *CB-LED SERIES	120/277 VOLT 0-10V DIM	LED 4000K CRI 80 MIN 8000 LM	RECESSED LAY-IN	-INVERTED LENS AND TRIPLE GASKETING -
CA		6" DIAMETER LED DOWNLIGHT WITH SEMI-SPECULAR ALZAK REFLECTOR, IRIDESCENT FREE FINISH, 4 WHITE FLANGE	LITHONIA *LDN6-40-15-L06-AR-L86-MVOLT -EZI0-XX PRESCOLITE *LTR SERIES PORTFOLIO *LD6B SERIES	120/277 VOLT 0-10V DIM	LED 4000K MAX 18 W MIN 1500 LM	RECESSED LAY-IN/ DRYWALL	-VERIFY TRIM FINISH WITH ARCHITECT
CB		6' DIAMETER LED WALL WASH DOWNLIGHT WITH SEMI-SPECULAR ALZAK REFLECTOR, IRIDESCENT FREE FINISH, 4 WHITE FLANGE	LITHONIA *LDN6-40-15-LW6-AR-L86-MVOLT -EZI0-XX PRESCOLITE *LTR SERIES PORTFOLIO *LD6B SERIES	120/277 VOLT 0-10V DIM	LED 4000K MAX 18 W MIN 1500 LM	RECESSED LAY-IN/ DRYWALL	-VERIFY TRIM FINISH WITH ARCHITECT
CC		6' DIAMETER LED NARROW BEAM DOUNLIGHT	GOTHAM *EVO6-40-30-AR-ND-L86-XX-XX PORTFOLIO *LD6B SERIES CON-TECH *RALF2-6 SERIES	120/277 VOLT 0-10V DIM	LED 4000K MAX 30 W MIN 3000 LM	RECESSED LAY-IN/ DRYWALL	-VERIFY TRIM FINISH WITH ARCHITECT
PA		4', LED INDUSTRIAL FIXTURE WITH WIREGUARD AND SAFETY CHAINS	LITHONIA *CLX-L48-10000LM-SEF-FDL-MVOLT -GZ10-40K-80CRI-XX-XX METALUX *SNLED SERIES COLUMBIA *MPS SERIES	120/277 VOLT 0-10V DIM	LED 4000K MAX 80 W MIN 10000 LM	'Y' CHAIN SUSPEND 10'-0"	-COORD LOCATIONS WITH DUCTWORK & PIPING
PB		LED CONTINUOUS PENDANT FIXTURE	MARK ARCHITECTURAL LIGHTING *52LD-LCB-XX-M8L8-80CRI-40K-800LMF-MVOLT-XX-XX-2T NULITE *RP2-D-09-L40-UNV-D-FRF-X-T1-48-XX LUMENWERX *MAZTD-HLO-FH-LED-80-800-40-XX-UNV-D1-1 -53WAC36-X	120/277 VOLT 0-10V DIM	LED 4000 K MIN 800LM/FT MAX 8W/FT	SUSPENDED @1'-0" BELOU CEILING	-VERIFY FINISH AND SUSPENSION HEIGHT WITH ARCHITECT. -PROVIDE LENGTHS AS SHOUN ON DRAWINGS. VERIFY EXACT QUANTITIES WITH DRAWINGS.
PC		SUSPENDED LED CYLINDER PENDANT	VISA *CP15-42-L40-H-MVOLT-XX-XX OR APPROVED EQUAL	120/277 VOLT 0-10V DIM	LED 4000K MAX 16W MIN 1700LM	SUSPENDED VERIFY W/ ARCHITECT	-VERIFY FINISH WITH ARCHITECT
WA		4' LED WRAPAROUND FIXTURE	LITHONIA *PWL4W-48-5000LM-835-ZT-MVOLT COLUMBIA *CRW4-L8CS METALUX *4NLW4040C	277 VOLT	LED 4000K MAX 54 W MIN 5000LM	WALL MTD	-PROVIDE ALL MOUNTING ACCESSORIES -VERIFY FINISH WITH ARCHITECT
WB		2' LED WALL MOUNT FIXTURE	LITHONIA *WL2-22L-XX-EZI-LP840-XX-XX-XX OR APPROVED EQUAL	277 VOLT 0-10V DIM	LED 4000K 21W MIN 2200LM	WALL MOUNTED	
WC		LED WALL MOUNT VAPOR TIGHT FIXTURE FOR ELEVATOR PIT	LITHONIA *CSVT-L48-4000LM-MVOLT-40K-80CRI-STSL OR APPROVED EQUAL	120/277 VOLT	LED 4000K MAX 40 W MIN 4000 LM	WALL	-COORDINATE MOUNTING LOCATION WITH ELEVATOR MANUFACTURER
XA		SINGLE FACE EXIT WITH NI-CAD BATTERY BACKUP	DUAL-LITE *SE-S-R-X LITHONIA *LE-S-X-1-R-X-EL-N-SD SURE-LITES *CX SERIES	120/277 VOLT	LED MAX 3W	CEILING/ WALL	-VERIFY FINISH WITH ARCHITECT -PROVIDE WITH ARROWS AS REQUIRED
XB		DUAL FACE EXIT WITH NI-CAD BATTERY BACKUP	DUAL-LITE *SE-D-R-X LITHONIA *LE-S-X-2-R-X-EL-N-SD SURE-LITES *CX SERIES	120/277 VOLT	LED MAX 3W	CEILING/ WALL	-VERIFY FINISH WITH ARCHITECT -PROVIDE WITH ARROWS AS REQUIRED
EM		FIXTURE ON EMERGENCY CIRCUIT WITH 90 MINUTE, HIGH OUTPUT (MIN 1400LM) BATTERY UNIT OR INVERTER	FIXTURES LESS THAN 10000 LM: BODINE FACTORY INSTALLED BATTERY OR, AT CONTRACTOR'S DISCRETION, MYERS LV SERIES INVERTER (SIZE AND QUANTITY AS REQUIRED) FIXTURES GREATER THAN 10000LM: MYERS LV SERIES INVERTER (SIZE AND QUANTITY AS REQUIRED)	120/277 VOLT	-	IN FIXTURE/ REMOTE	-PROVIDE TEST SWITCH AND CHARGING INDICATOR -INTEGRAL BATTERIES NOT ALLOWED IN FIXTURES WITH GREATER THAN 10000 LUMENS
NL		CONSTANT HOT, UNSWITCHED NIGHT LIGHT FIXTURE					

AD-2

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PROJECT 21-115
DATE 04/15/22
COORDINATED BY SM
DRAWN BY AG
CHECKED BY DJ

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

REVISIONS

MARK	DATE	ISSUED FOR
AD-2	05/05/22	ADDENDUM NO. 2

DRAWING
ELECTRICAL DETAILS, DIAGRAMS AND LIGHTING FIXTURE SCHEDULE

PROJECT
NEW ADMINISTRATION CENTER, ALTERNATIVE EDUCATION & RESOURCE CENTER, AND RELATED WORK

SHEET
E-503

Wednesday, 5/4/2022 - 1:41 PM - LAST SAVED BY:AGIDCUMB
K:\2022\2201005 CP ADMIN CENTER\3.0 DRAWINGS\E-503.DWG

NEW PANEL CLP-1

TOTAL KW: 27.7	ENCLOSURE: NEMA-1	PHASE: 3φ	VOLTAGE: 120 / 208
MOUNTING: SURFACE	BUSSING: COPPER	FAULT CURRENT RATING: 22,000 AIC	MLO(AMPS): 100
FEEDER: 4 #2 & 1 #8 GRD. - 1 1/2"C.		LOCATION: CORRIDOR A-103	

LOAD DESCRIPTION	C/B TRIP	C/B POLE	LOAD Aφ	LOAD Bφ	LOAD Cφ	CCT. NO.	CCT. NO.	LOAD Aφ	LOAD Bφ	LOAD Cφ	C/B TRIP	C/B POLE	LOAD DESCRIPTION
FRIDGE - 108	20	1	1000			1	2	1200			20		REC - COPIER B103
ABV. CTR. - 108	20	1		400		3	4		1200			2	
FRIDGE - 108	20	1			1000	5	6			1200	20	1	REC - WORK RM AREA
FRIDGE - 108	20	1	1000			7	8	732			20	1	FC-3
FRIDGE - 108	20	1		1000		9	10		1000		20	1	REC - FRIDGE B103
REC - VEST A110 AREA	20	1			600	11	12			400	20	1	REC - ABV. CTR. B103
REC - CLINIC AREA	20	1	800			13	14	800			20	1	REC - RECEPTION AREA
REC - CLINIC	20	1		800		15	16		800		20	1	REC - RECEPTION DESK
REC - CLINIC - ABV CTR	20	1			400	17	18			1000	20	1	REC - OFFICE B107
REC - CLINIC FRIDGE	20	1	1000			19	20	732			20	1	FC-1
~~FC-5~~	~~20~~	~~1~~		~~732~~		~~21~~	22		800		20	1	REC - CONF B105
ECH-1	30				2400	23	24			732	20	1	FC-2
		2	2400			25	26	732			20	1	FC-4
~~SPARE~~	~~20~~	~~1~~				~~27~~	28		400		20	1	RECEPS - ROOF
SPARE	20	1				29	30			528	20	1	TEF-1
SPARE	20	1				31	32	696			20	1	TEF-2
SPARE	20	1				33	34		1176		20	1	GEF-1
SPARE	20	1				35	36				20	1	SPARE
SPARE	20	1				37	38				20	1	SPARE
SPARE	20	1				39	40				20	1	SPARE
SPARE	20	1				41	42				20	1	SPARE
			6200	2932	4400			4892	5376	3860			

A= 11,092
B= 8,308
C= 8,260
TOTAL= 27,660

NOTE: REFER TO GENERAL NOTE 'B' FOR ADDITIONAL INFORMATION

AD-2

EX. PANEL ALX1

TOTAL KW: 39.3	ENCLOSURE: NEMA-1	PHASE: 3φ	VOLTAGE: 120 / 208
MOUNTING: SURFACE	BUSSING: COPPER	FAULT CURRENT RATING: EXISTING AIC	MLO(AMPS): 200
FEEDER: 4 #3/0 & 1 #6 GRD. - 2"C.		LOCATION: MECHANICAL A-109	

LOAD DESCRIPTION	C/B TRIP	C/B POLE	LOAD Aφ	LOAD Bφ	LOAD Cφ	CCT. NO.	CCT. NO.	LOAD Aφ	LOAD Bφ	LOAD Cφ	C/B TRIP	C/B POLE	LOAD DESCRIPTION
EXISTING LOAD	20	1				1	2				30	1	EXISTING LOAD
EXISTING LOAD	20	1				3	4				20	1	EXISTING LOAD
EXISTING LOAD	20	1				5	6				20	1	EXISTING LOAD
EXISTING SUMP	30					7	8				30		
		2				9	10						EXISTING SUMP
EXISTING LOAD	20	1				11	12					3	
EXISTING LOAD	20	1				13	14				20	1	EXISTING LOAD
TC PANEL	20	1		600		15	16				20		
WORKSTATION	20	1			400	17	18						EXISTING SUMP
WH-1	20	1	1200			19	20					3	
WH-2	20	1		1200		21	22				20		
DATA CABINET - A115	30	1			2880	23	24						EXISTING SUMP
DATA CABINET - A114	30	1	2880			25	26					3	
EXISTING SPARE	20	1				27	28				20	1	EXISTING SPARE
B-1	20	1			1680	29	30				20	1	EXISTING SPARE
	15		791			31	32				20	1	EXISTING SPARE
BP-1				791		33	34				20	1	EXISTING SPARE
		3			791	35	36				20	1	EXISTING SPARE
	50		2902			37	38	5800			90		
HWP-1				2902		39	40		5800				LIFT PUMP
		3			2902	41	42			5800		3	
			7773	5493	8653			5800	5800	5800			

A= 13,573
B= 11,293
C= 14,453
TOTAL= 39,319

NOTE: REFER TO GENERAL NOTE 'B' FOR ADDITIONAL INFORMATION

AD-2

ADMIN MECHANICAL EQUIPMENT CONNECTION SCHEDULE

TAG	DESCRIPTION	LOAD WATTS	LOAD HP	LOAD MCA	LOAD FLA	LOAD AMPS	MOCP	VOLT	PHASE	PANEL	CKT. NO.	FUSED SWITCH C/B	FEEDER CABLE	FEEDER C	STARTER BY: MC.	STARTER BY: EC.	LOCATION	REMARKS
C-1	AIR COOLED CHILLER	170232	-	205	-	-	225	480	3	1HD1	-	225A/3P	4 #4/0 & 1 #4 GRD.	2-1/2"	X	-	-	-
B-1	BOILER	1680	-	-	14	-	20	120	1	1L4	1	20A/1P	2 #12 & 1 #12 GRD.	3/4"	X	-	-	-
B-2	BOILER	1680	-	-	14	-	20	120	1	1L4	3	20A/1P	2 #12 & 1 #12 GRD.	3/4"	X	-	-	-
AH-1	AIR HANDLER	63526	-	77	-	-	110	480	3	1HD1	-	110A/3P	4 #1 & 1 #6 GRD.	1-1/2"	X	-	-	-
ER-1	EXHAUST RELIEF FAN	26158	-	32	-	-	45	480	3	1H1	1-3-5	45A/3P	4 #6 & 1 #10 GRD.	1"	X	-	-	-
AH-2	AIR HANDLER	20552	-	25	-	-	35	480	3	1H1	2-4-6	35A/3P	4 #8 & 1 #10 GRD.	3/4"	X	-	-	-
ER-2	EXHAUST RELIEF FAN	3986	3	-	-	-	-	480	3	1H1	8-10-12	15A/3P	4 #12 & 1 #12 GRD.	3/4"	X	-	-	-
TEF-1	TOLIET EXHAUST FAN	2807	2	-	-	-	-	208	3	1L3	1-3-5	15A/3P	4 #12 & 1 #12 GRD.	3/4"	X	-	-	-
TEF-2	TOLIET EXHAUST FAN	696	1/4	-	-	-	-	120	1	1L3	7	20A/1P	2 #12 & 1 #12 GRD.	3/4"	-	X	-	-
GEF-1	GENERAL EXHAUST FAN	1656	3/4	-	-	-	-	120	1	1L4	5	25A/1P	2 #10 & 1 #10 GRD.	3/4"	-	X	-	-
GEF-2	GENERAL EXHAUST FAN	1656	3/4	-	-	-	-	120	1	1L4	7	25A/1P	2 #10 & 1 #10 GRD.	3/4"	-	X	-	-
CH-1	CABINET HEATER	696	1/4	-	-	-	15	120	1	1L2	43	20A/1P	2 #12 & 1 #12 GRD.	3/4"	-	-	-	-
CH-2	CABINET HEATER	696	1/4	-	-	-	15	120	1	1L2	50	20A/1P	2 #12 & 1 #12 GRD.	3/4"	-	-	-	-
UH-1	UNIT HEATER	216	-	2	-	-	15	120	1	1L1	22	20A/1P	2 #12 & 1 #12 GRD.	3/4"	-	-	-	-
UH-2	UNIT HEATER	216	-	2	-	-	15	120	1	1L1	12	20A/1P	2 #12 & 1 #12 GRD.	3/4"	-	-	-	-
AC-1	AIR CONDITIONER	8684	-	42	-	-	45	208	1	1L4	25-27	45A/2P	3 #6 & 1 #10 GRD	3/4"	-	-	-	-
AC-2	AIR CONDITIONER	8684	-	42	-	-	45	208	1	1L4	29-31	45A/2P	3 #6 & 1 #10 GRD	3/4"	-	-	-	-
AC-3	AIR CONDITIONER	8684	-	42	-	-	45	208	1	1L4	33-35	45A/2P	3 #6 & 1 #10 GRD	3/4"	-	-	-	-
CU-1	CONDENSING UNIT	13120	-	-	15.8	-	-	480	3	1H1	43-45-47	20A/3P	4 #12 & 1 #12 GRD	3/4"	-	-	-	-
CU-2	CONDENSING UNIT	13120	-	-	15.8	-	-	480	3	1H1	49-51-53	20A/3P	4 #12 & 1 #12 GRD	3/4"	-	-	-	-
CU-3	CONDENSING UNIT	13120	-	-	15.8	-	-	480	3	1H1	55-57-59	20A/3P	4 #12 & 1 #12 GRD	3/4"	-	-	-	-
BP-1	BOILER PUMP	1744	1	-	-	-	-	480	3	1H1	7-9-11	15A/3P	4 #12 & 1 #12 GRD.	3/4"	X	-	-	-
BP-2	BOILER PUMP	1744	1	-	-	-	-	480	3	1H1	13-15-17	15A/3P	4 #12 & 1 #12 GRD.	3/4"	X	-	-	-
HWP-1	HOT WATER DISTRIBUTION PUMP	6311	5	-	-	-	-	480	3	1H1	19-21-23	20A/3P	4 #12 & 1 #12 GRD.	3/4"	X	-	-	-
HWP-2	HOT WATER DISTRIBUTION PUMP	6311	5	-	-	-	-	480	3	1H1	25-27-29	20A/3P	4 #12 & 1 #12 GRD.	3/4"	X	-	-	-
CP-1	CHILLER PUMP	3986	3	-	-	-	-	480	3	1H1	14-16-18	15A/3P	4 #12 & 1 #12 GRD.	3/4"	X	-	-	-
CWP-1	CHILLED WATER PUMP	3986	3	-	-	-	-	480	3	1H1	31-33-35	15A/3P	4 #12 & 1 #12 GRD.	3/4"	X	-	-	-
CWP-2	CHILLED WATER PUMP	3986	3	-	-	-	-	480	3	1H1	37-39-41	15A/3P	4 #12 & 1 #12 GRD.	3/4"	X	-	-	-
DBP-1	DOMESTIC BOOSTER PUMP	2826	-	-	-	-	-	480	(2) 3	1H1	VARIES	15A/3P	4 #12 & 1 #12 GRD.	3/4"	X	-	-	PROVIDE TWO (2) CONNECTIONS
TWH-1	TANKLESS WATER HEATER	240	-	-	-	2	-	120	1	1L4	9	20A/1P	2 #12 & 1 #12 GRD.	3/4"	-	-	-	-
TWH-2	TANKLESS WATER HEATER	240	-	-	-	2	-	120	1	1L4	9	20A/1P	2 #12 & 1 #12 GRD.	3/4"	-	-	-	-
RCP-1	TANKLESS WATER HEATER	528	1/6	-	-	-	-	120	1	1L4	11	20A/1P	2 #12 & 1 #12 GRD.	3/4"	X	-	-	-
WS-1	WATER SOFTENER	800	-	-	-	-	-	120	1	1L4	13	20A/1P	2 #12 & 1 #12 GRD.	3/4"	X	-	-	-

TAFT MECHANICAL EQUIPMENT CONNECTION SCHEDULE

TAG	DESCRIPTION	LOAD WATTS	LOAD HP	LOAD MCA	LOAD FLA	LOAD AMPS	MOCP	VOLT	PHASE	PANEL	CKT. NO.	FUSED SWITCH C/B	FEEDER CABLE	FEEDER C	STARTER BY: MC.	STARTER BY: EC.	LOCATION	REMARKS
B-1	BOILER	1680	-	-	14	-	20	120	1	ALX1	29	20A/1P	2 #12 & 1 #12 GRD.	3/4"	X	-	-	-
FC-1	FAN COIL	720	-	6	-	-	15	120	1	CLP1	20	20A/1P	2 #12 & 1 #12 GRD.	3/4"	X	-	-	-
FC-2	FAN COIL	468	-	3.9	-	-	15	120	1	CLP1	24	20A/1P	2 #12 & 1 #12 GRD.	3/4"	X	-	-	-
FC-3	FAN COIL	468	-	3.9	-	-	15	120	1	CLP1	8	20A/1P	2 #12 & 1 #12 GRD.	3/4"	X	-	-	-
FC-4	FAN COIL	732	-	6.1	-	-	15	120	1	CLP1	26	20A/1P	2 #12 & 1 #12 GRD.	3/4"	X	-	-	-
FC-5	FAN COIL	732	-	6.1	-	-	15	120	1	CLP1	21	20A/1P	2 #12 & 1 #12 GRD.	3/4"	X	-	-	-
FC-6	FAN COIL	732	-	6.1	-	-	15	120	1	BLP1	8	20A/1P	2 #12 & 1 #12 GRD.	3/4"	X	-	-	-
TEF-1	ROOF TOILET EXHAUST FAN	528	1/6	-	-	-	-	120	1	CLP1	30	20A/1P	2 #12 & 1 #12 GRD.	3/4"	-	X	-	-
TEF-2	ROOF TOILET EXHAUST FAN	696	1/4	-	-	-	-	120	1	CLP1	32	20A/1P	2 #12 & 1 #12 GRD.	3/4"	-	X	-	-
GEF-1	ROOF GENERAL EXHAUST FAN	1176	1/2	-	-	-	-	120	1	CLP1	34	20A/1P	2 #12 & 1 #12 GRD.	3/4"	-	X	-	-
BP-1	BOILER PUMP	2375	1 1/2	-	-	-	-	208	3	ALX1	31-33-35	15A/3P	4 #12 & 1 #12 GRD.	3/4"	-	-	-	-
HWP-1	HOT WATER PUMP	8708	7 1/2	-	-	-	-	208	3	ALX1	37-39-41	20A/3P	4 #12 & 1 #12 GRD.	3/4"	-	-	-	-
WH-1	WATER HEATER	1200	-	-	-	-	-	120	1	ALX1	19	20A/1P	2 #12 & 1 #12 GRD.	3/4"	-	-	-	-
WH-2	WATER HEATER	1200	-	-	-	-	-	120	1	ALX1	21	20A/1P	2 #12 & 1 #12 GRD.	3/4"	-	-	-	-

AD-2

TAFT ELECTRIC HEAT CONNECTION SCHEDULE

TAG	DESCRIPTION	LOAD WATTS	LOAD HP	LOAD MCA	LOAD FLA	LOAD AMPS	MOCP	VOLT	PHASE	PANEL	CKT. NO.	FUSED SWITCH C/B	FEEDER CABLE	FEEDER C	STARTER BY: MC.	STARTER BY: EC.
ECH-1	WALL MOUNTED ELECTRIC CABINET HEATER	4800	-	-	-	23.1	-	208	1	VARIES	VARIES	30A/2P	3 #10 & 1 #10 GRD.	3/4"	-	X

GIBRALTAR
DESIGN
ARCHITECTURE • ENGINEERING • INTERIOR DESIGN
MILLIES ENGINEERING GROUP
(219) 924-8400
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PROJECT
NEW ADMINISTRATION CENTER, ALTERNATIVE EDUCATION & RESOURCE CENTER, AND RELATED WORK

CROWN POINT COMMUNITY SCHOOL CORPORATION
CROWN POINT, INDIANA

KEY PLAN

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PROJECT 21-115
DATE 04/15/22
COORDINATED BY SM
DRAWN BY AG
CHECKED BY DJ

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

REVISIONS

MARK	DATE	ISSUED FOR
AD-2	05/05/22	ADDENDUM NO. 2

DRAWING
ELECTRICAL DETAILS & DIAGRAMS

PROJECT
NEW ADMINISTRATION CENTER, ALTERNATIVE EDUCATION & RESOURCE CENTER, AND RELATED WORK

SHEET
E-601

Wednesday, 5/4/2022 - 1:41 PM - LAST SAVED BY:AGIDCUMB
K:\2022\2201005 CP ADMIN CENTER\3.0 DRAWINGS\E-601.DWG

Branch Panel: 1H2

Location: ELECTRICAL 173
Supply From:
Mounting: Surface
Enclosure: 1

Volts: 480/277 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 10kA
Mains Type: M.C.O.
Mains Rating: 100 A
MCB Rating: 100 A

Notes:

CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
1	MONUMENT SIGN	20 A	2	1500...	595 VA					1	20 A	1ST FLOOR EXIST SIGNS	2
3	--	--	--			1500...	2700...			1	20 A	1ST FLOOR LTG SOUTH/WEST	4
5	Spare	20 A	1					0 VA	3091...	1	20 A	1ST FLOOR LTG SOUTH/EAST	6
7	Spare	20 A	1	0 VA	3006...					1	20 A	1ST FLOOR LTG NORTHWEST	8
9	Spare	20 A	1			0 VA	3238...			1	20 A	1ST FLOOR LTG MIDDLE	10
11	Spare	20 A	1					0 VA	1547...	1	20 A	1ST FLOOR LTG PASSAGE/KITCHEN	12
13	Spare	20 A	1	0 VA	2392...					1	20 A	1ST FLOOR LTG CORRIDOR	14
15	Spare	20 A	1			0 VA	1103...			1	20 A	1ST FLOOR LTG CORRIDOR NL	16
17	Spare	20 A	1					0 VA	95 VA	1	20 A	EXTERIOR LTG EM NL	18
19	Spare	20 A	1	0 VA	144 VA					1	20 A	EXTERIOR LTG	20
21	Spare	20 A	1			0 VA	1213...			1	20 A	EXTERIOR SITE LTG 10PM	22
23	Spare	20 A	1					0 VA	326 VA	1	20 A	EXTERIOR SITE LTG 12AM	24
25	Space	--	--	0 VA	652 VA					1	20 A	EXTERIOR SITE LTG NL	26
27	Space	--	--			0 VA	489 VA			1	20 A	EXTERIOR SITE LTG 10PM	28
29	Space	--	--					0 VA	326 VA	1	20 A	EXTERIOR SITE LTG 12AM	30
31	Space	--	--	0 VA	489 VA					1	20 A	EXTERIOR SITE LTG NL	32
33	Space	--	--			0 VA	0 VA			1	20 A	Spare	34
35	Space	--	--					0 VA	0 VA	1	20 A	Spare	36
37	Space	--	--	0 VA	0 VA					--	--	Space	38
39	Space	--	--			0 VA	0 VA			--	--	Space	40
41	Space	--	--					0 VA	0 VA	--	--	Space	42
		Total Load:		8759 VA		10159 VA		5382 VA					
		Total Amps:		34 A		39 A		19 A					

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Lighting	17202 VA	100.00%	17202 VA		
Other	637 VA	100.00%	637 VA	**Total Conn. Load:**	24295 VA
				Total Est. Demand:	24295 VA
				Total Conn. Current:	29 A
				Total Est. Demand Current:	29 A

Notes:

Branch Panel: KP-1

Location: CATERING KITCHEN 144
Supply From:
Mounting: Recessed
Enclosure: 1

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 10kA
Mains Type: Main Lug Only
Mains Rating: 225 A
MCB Rating: 225 A

Notes:

CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
K1	WALKER-IN COOLER FREEZER	20 A	1	2400...	600 VA					1	20 A	COOLER BLOWER COIL	K2
K3	WALKER-IN COOLER FREEZER	20 A	1			2400...	936 VA			2	20 A	FREEZER BLOWER COIL	K4
K5	WALL MOUNT HAND SINK	20 A	1					600 VA	936 VA	--	--	--	K6
K7	DISHWASHER, DOOR TYPE, HIGH TEMP ELEC	60 A	3	6425...	600 VA					1	20 A	WALL MOUNT HAND SINK	K8
K9	--	--	--			6425...	1560...			2	20 A	GAS COMBI-STEAMER	K10
K11	--	--	--					6425...	1560...	--	--	--	K12
K13	GAS COMBI-STEAMER	20 A	1	1560...	948 VA					1	20 A	CONVECTION OVEN - GAS	K14
K15	--	--	--			1560...	600 VA			1	20 A	TILT SKILLET	K16
K17	FRYER	20 A	1					1440...	996 VA	1	20 A	MIXER	K18
K19	WORKTABLE	20 A	1	1920...	996 VA					1	20 A	SLICER	K20
K21	DISPOSER/GARBAGE	20 A	2			582 VA	456 VA			1	20 A	FRIDGE	K22
K23	--	--	--					582 VA	1518...	1	20 A	HEATED CABINET	K24
K25	DISPOSER/GARBAGE	20 A	2	582 VA	1440...					1	20 A	WORKTABLE	K26
K27	--	--	--			582 VA	1440...			1	20 A	WORKTABLE	K28
K29	EXHAUST FAN	20 A	1					1356...	1608...	1	20 A	MICROWAVE	K30
K31	WORKTABLE	20 A	1	1440...	1440...					1	20 A	WORKTABLE	K32
K33	DESK	20 A	1			1920...	600 VA			1	20 A	WALL MOUNT HAND SINK	K34
K35	GAS RANGE	20 A	1					996 VA	867 VA	3	20 A	COOLER CONDENSING UNIT	K36
K37	RECEPS	20 A	1	400 VA	867 VA					--	--	--	K38
K39	Spare	20 A	1			0 VA	867 VA			--	--	--	K40
K41	Spare	20 A	1					0 VA	1300...	2	20 A	FREEZER CONDENSING UNIT	K42
K43	Spare	20 A	1	0 VA	1300...					--	--	--	K44
K45	Spare	20 A	1			0 VA	0 VA			--	--	Space	K46
K47	Spare	20 A	1					0 VA	0 VA	1	20 A	Spare	K48
K49	Spare	20 A	1	0 VA	0 VA					1	20 A	Spare	K50
K51	Spare	20 A	1			0 VA	0 VA			1	20 A	Spare	K52
K53	Spare	20 A	1					0 VA	0 VA	1	20 A	Spare	K54
K55	Space	--	--	0 VA	0 VA					--	--	Space	K56
K57	Space	--	--			0 VA	0 VA			--	--	Space	K58
K59	Space	--	--					0 VA	0 VA	--	--	Space	K60
		Total Load:		22918 VA		19928 VA		20184 VA					
		Total Amps:		191 A		166 A		169 A					

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Other	33044 VA	100.00%	33044 VA		
Power	29986 VA	100.00%	29986 VA	**Total Conn. Load:**	63030 VA
				Total Est. Demand:	63030 VA
				Total Conn. Current:	175 A
				Total Est. Demand Current:	175 A

Notes:

Branch Panel: 1H1

Location: ELECTRICAL 173
Supply From:
Mounting: Surface
Enclosure: 1

Volts: 480/277 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 10kA
Mains Type: M.C.O.
Mains Rating: 225 A
MCB Rating: 225 A

Notes:

CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
1	ER-1	45 A	3	8719...	6841...					3	35 A	AH-2	2
3	--	--	--			8719...	6841...			--	--	--	4
5	--	--	--					8719...	6841...	--	--	--	6
7	BP-1	15 A	3	581 VA	1329...					3	15 A	ER-2	8
9	--	--	--			581 VA	1329...			--	--	--	10
11	--	--	--					581 VA	1329...	--	--	--	12
13	BP-2	15 A	3	581 VA	1329...					3	15 A	CP-1	14
15	--	--	--			581 VA	1329...			--	--	--	16
17	--	--	--					581 VA	1329...	--	--	--	18
19	HWP-1	20 A	3	2104...	942 VA					3	15 A	DBP-1	20
21	--	--	--			2104...	942 VA			--	--	--	22
23	--	--	--					2104...	942 VA	--	--	--	24
25	HWP-2	20 A	3	2104...	942 VA					3	15 A	DBP-1	26
27	--	--	--			2104...	942 VA			--	--	--	28
29	--	--	--					2104...	942 VA	--	--	--	30
31	CWP-1	15 A	3	1329...	0 VA					--	--	Space	32
33	--	--	--			1329...	0 VA			--	--	Space	34
35	--	--	--					1329...	0 VA	--	--	Space	36
37	CWP-2	15 A	3	1329...	0 VA					--	--	Space	38
39	--	--	--			1329...	0 VA			--	--	Space	40
41	--	--	--					1329...	0 VA	--	--	Space	42
43	CU-1	20 A	3	4373...	0 VA					--	--	Space	44
45	--	--	--			4373...	0 VA			--	--	Space	46
47	--	--	--					4373...	0 VA	--	--	Space	48
49	CU-2	20 A	3	4373...	0 VA					--	--	Space	50
51	--	--	--			4373...	0 VA			--	--	Space	52
53	--	--	--					4373...	0 VA	--	--	Space	54
55	CU-3	20 A	3	4373...	0 VA					--	--	Space	56
57	--	--	--			4373...	0 VA			--	--	Space	58
59	--	--	--					4373...	0 VA	--	--	Space	60
		Total Load:		41249 VA		41249 VA		41249 VA					
		Total Amps:		149 A		149 A		149 A					

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Other	46834 VA	100.00%	46834 VA		
Power	76912 VA	100.00%	76912 VA	**Total Conn. Load:**	123746 VA
				Total Est. Demand:	123746 VA
				Total Conn. Current:	149 A
				Total Est. Demand Current:	149 A

Notes:

Branch Panel: 2H1

Location:
Supply From:
Mounting: Surface
Enclosure: 1

Volts: 480/277 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 10kA
Mains Type: M.C.O.
Mains Rating: 100 A
MCB Rating: 100 A

Notes:

CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
1	2ND FLOOR EXIT SIGNS	20 A	1	300 VA	0 VA					1	20 A	Spare	2
3	2ND FLOOR LTG SOUTH	20 A	1			2919...	0 VA			1	20 A	Spare	4
5	2ND FLOOR LTG NORTH	20 A	1					3136...	0 VA	1	20 A	Spare	6
7	2ND FLOOT LTG MIDDLE	20 A	1	3193...	0 VA					1	20 A	Spare	8
9	2ND FLOOR LTG CORRIDOR	20 A	1			967 VA	0 VA			1	20 A	Spare	10
11	2ND FLOOR LTG CORRIDOR NL	20 A	1					582 VA	0 VA	1	20 A	Spare	12
13	2ND FLOOR CANOPY	20 A	1	120 VA	0 VA					1	20 A	Spare	14
15	Spare	20 A	1			0 VA	0 VA			1	20 A	Spare	16
17	Spare	20 A	1					0 VA	0 VA	1	20 A	Spare	18
19	Spare	20 A	1	0 VA	0 VA					1	20 A	Spare	20
21	Spare	20 A	1			0 VA	0 VA			1	20 A	Spare	22
23	Spare	20 A	1					0 VA	0 VA	1	20 A	Spare	24
25	Space	--	--	0 VA	0 VA					--	--	Space	26
27	Space	--	--			0 VA	0 VA			--	--	Space	28
29	Space	--	--					0 VA	0 VA	--	--	Space	30
31	Space	--	--	0 VA	0 VA					--	--	Space	32
33	Space	--	--			0 VA	0 VA			--	--	Space	34
35	Space	--	--					0 VA	0 VA	--	--	Space	36
37	Space	--	--	0 VA	0 VA					--	--	Space	38
39	Space	--	--			0 VA	0 VA			--	--	Space	40
41	Space	--	--					0 VA	0 VA	--	--	Space	42
		Total Load:		3609 VA		3885 VA		3717 VA					
		Total Amps:		13 A		14 A		13 A					

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Lighting	10906 VA	100.00%	10906 VA		
Other	300 VA	100.00%	300 VA	**Total Conn. Load:**	11206 VA
				Total Est. Demand:	11206 VA
				Total Conn. Current:	13 A
				Total Est. Demand Current:	13 A

Notes:

GIBRALTAR DESIGN
ARCHITECTURE · ENGINEERING · INTERIOR DESIGN

MILLIES ENGINEERING GROUP
(219) 924-8400
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PROJECT:

NEW ADMINISTRATION CENTER, ALTERNATIVE EDUCATION & RESOURCE CENTER, AND RELATED WORK

CROWN POINT COMMUNITY SCHOOL CORPORATION
CROWN POINT, INDIANA

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PROJECT
21-115
DATE
04/15/22
COORDINATED BY
SM
DRAWN BY
AG
CHECKED BY
DJ

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

REVISIONS

MARK	DATE	ISSUED FOR
AD-2	05/05/22	ADDENDUM NO. 2

DRAWING
ELECTRICAL SCHEDULES

PROJECT
NEW ADMINISTRATION CENTER, ALTERNATIVE EDUCATION & RESOURCE CENTER, AND RELATED WORK

SHEET
AD E-603

Branch Panel: 1L3

Location: CL 117
Supply From:
Mounting: Surface
Enclosure: 1

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 10kA
Mains Type: Main Lug Only
Mains Rating: 100 A
MCB Rating: 100 A

2

Notes:

CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
1	TEF-1	15 A	3	936 VA	400 VA					1	20 A	REC - ROOF	2
3	--	--	--			936 VA	1200...			1	20 A	REC - RM 106	4
5	--	--	--					936 VA	800 VA	1	20 A	TV/REC - RM 106	6
7	TEF-2	20 A	1	696 VA	1200...					1	20 A	REC - RM 107	8
9	REC - SOUND CABINET	20 A	1			1000...	800 VA			1	20 A	TV/REC - RM 107	10
11	REC - SOUND CABINET	20 A	1					1000...	1000...	1	20 A	REC - RM 108	12
13	REC - FLOORBOXES	20 A	1	1200...	1200...					1	20 A	REC - RM 108	14
15	REC - FLOORBOXES	20 A	1			1200...	800 VA			1	20 A	TV/REC - RM 108	16
17	REC - FLOORBOXES	20 A	1					1200...	400 VA	1	20 A	REC - RM 107	18
19	REC - PROJECTOR & SCREEN	20 A	1	1200...	800 VA					1	20 A	REC - RM 111	20
21	Spare	20 A	1			0 VA	200 VA			1	20 A	REC - EXTERIOR RECEPS	22
23	Spare	20 A	1					0 VA	800 VA	1	20 A	TV'S - RM 108	24
25	Spare	20 A	1	0 VA	0 VA					1	20 A	Spare	26
27	Spare	20 A	1			0 VA	0 VA			1	20 A	Spare	28
29	Spare	20 A	1					0 VA	0 VA	1	20 A	Spare	30
31	Spare	20 A	1	0 VA	0 VA					1	20 A	Spare	32
33	Spare	20 A	1			0 VA	0 VA			1	20 A	Spare	34
35	Spare	20 A	1					0 VA	0 VA	1	20 A	Spare	36
37	Space	--	--	0 VA	0 VA					--	--	Space	38
39	Space	--	--			0 VA	0 VA			--	--	Space	40
41	Space	--	--					0 VA	0 VA	--	--	Space	42
			Total Load:	7632 VA		6136 VA		6136 VA					
			Total Amps:	64 A		51 A		51 A					

2

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Power	14303 VA	100.00%	14303 VA		
				Total Conn. Load:	19903 VA
				Total Est. Demand:	19903 VA
				Total Conn. Current:	55 A
				Total Est. Demand Current:	55 A

Notes:

Branch Panel: 1L1

Location: ELECTRICAL 173
Supply From:
Mounting: Surface
Enclosure: 1

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 10kA
Mains Type: Main Lug Only
Mains Rating: 100 A
MCB Rating: 100 A

2

Notes:

CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
1	UH-2 RM 171	20 A	1	672 VA	672 VA					1	20 A	UH-2 RM 171	2
3	OVERHEAD ROLLING GRILL - RM 171	20 A	1			1200...	1000...			1	20 A	REC - RM 128	4
5	REC - RM 171	20 A	1					1200...	1000...	1	20 A	REC - RM 127	6
7	REC - RM 171 & CORR 134	20 A	1	1200...	1000...					1	20 A	REC - RM 126	8
9	REC - RM 121	20 A	1			1200...	1000...			1	20 A	REC - RM 125	10
11	REC - RM 121	20 A	1					1200...	1000...	1	20 A	REC - RM 124	12
13	REC - RM 121	20 A	1	1200...	1200...					1	20 A	REC - RM 123	14
15	REC - RM 121	20 A	1			1200...	600 VA			1	20 A	TV/REC - RM 123	16
17	AV/TV - RM 121	20 A	1					1000...	400 VA	1	20 A	EXTERIOR RECEPS	18
19	AV/TV - RM 121	20 A	1	1000...	1000...					1	20 A	REC - MECHANICAL ROOM	20
21	AV - RM 121	20 A	1			600 VA	500 VA			1	20 A	UH-2 - MECHANICAL ROOM	22
23	REC - RM 113 & 112	20 A	1					400 VA	0 VA	1	20 A	Spare	24
25	Spare	20 A	1	0 VA	0 VA					1	20 A	Spare	26
27	Spare	20 A	1			0 VA	0 VA			1	20 A	Spare	28
29	Spare	20 A	1					0 VA	0 VA	1	20 A	Spare	30
31	Spare	20 A	1	0 VA	0 VA					1	20 A	Spare	32
33	Spare	20 A	1			0 VA	0 VA			1	20 A	Spare	34
35	Spare	20 A	1					0 VA	0 VA	1	20 A	Spare	36
37	Space	--	--	0 VA	0 VA					--	--	Space	38
39	Space	--	--			0 VA	0 VA			--	--	Space	40
41	Space	--	--					0 VA	0 VA	--	--	Space	42
			Total Load:	7944 VA		7300 VA		6200 VA					
			Total Amps:	68 A		62 A		52 A					

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Power	18844 VA	100.00%	18844 VA		
				Total Conn. Load:	21444 VA
				Total Est. Demand:	21444 VA
				Total Conn. Current:	60 A
				Total Est. Demand Current:	60 A

Notes:

Branch Panel: 1L4

Location: ELECTRICAL 173
Supply From:
Mounting: Surface
Enclosure: 1

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 10kA
Mains Type: Main Lug Only
Mains Rating: 225 A
MCB Rating: 225 A

2

Notes:

2

CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
1	B-1	20 A	1	1680...	200 VA					1	20 A	SPRINKLER BELLS	2
3	B-2	20 A	1			1680...	600 VA			1	20 A	HEAT TRACE	4
5	GEF-1	25 A	1					1656...	600 VA	1	20 A	RECEPS - BOILER RM	6
7	GEF-1AA	25 A	1	1656...	1500...					2	30 A	GENERATOR BLOCK HEATER	8
9	TWH-1 & TWH-2	20 A	1			720 VA	1500...			--	--	--	10
11	RCP-1	20 A	1					528 VA	600 VA	1	20 A	GENERATOR BATTERY CHARGER	12
13	WS-1	20 A	1	800 VA	600 VA					1	20 A	FACP	14
15	ROOF RECEPS	20 A	1			400 VA	600 VA			1	20 A	FACP	16
17	AH-1 RECEPS	20 A	1					200 VA	200 VA	1	20 A	TIMECLOCK	18
19	AH-1 LTG	20 A	1	200 VA	0 VA					1	20 A	Spare	20
21	AH-2 RECEPS	20 A	1			200 VA	0 VA			1	20 A	Spare	22
23	AH-2 LTG	20 A	1					200 VA	0 VA	1	20 A	Spare	24
25	AC-1	45 A	2	4324...	0 VA					--	--	Space	26
27	--	--	--			4324...	0 VA			--	--	Space	28
29	AC-2	45 A	2					4324...	0 VA	--	--	Space	30
31	--	--	--	4324...	0 VA					--	--	Space	32
33	AC-3	45 A	2			4324...	0 VA			--	--	Space	34
35	--	--	--					4324...	0 VA	--	--	Space	36
37	Space	--	--	0 VA	0 VA					--	--	Space	38
39	Space	--	--			0 VA	0 VA			--	--	Space	40
41	Space	--	--					0 VA	0 VA	--	--	Space	42
			Total Load:	15284 VA		14348 VA		12632 VA					
			Total Amps:	130 A		122 A		105 A					

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Power	41064 VA	100.00%	41064 VA		
				Total Conn. Load:	42264 VA
				Total Est. Demand:	42264 VA
				Total Conn. Current:	117 A
				Total Est. Demand Current:	117 A

Notes:

Branch Panel: 1L2

Location: MAIL / WORKROOM 148
Supply From:
Mounting: Recessed
Enclosure: 1

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 10kA
Mains Type: Main Lug Only
Mains Rating: 225 A
MCB Rating: 225 A

Notes:

CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
1	REC/TV - RM 156	20 A	1	1000...	1000...					1	20 A	REC - FRIDGE RM 152	2
3	REC - RM 156	20 A	1			1200...	1600...			1	20 A	REC - MWAVE RM 152	4
5	REC- RECEPTION 158	20 A	1					800 VA	1600...	1	20 A	REC - COFFEE RM 152	6
7	Spare	20 A	1	0 VA	1200...					1	20 A	REC - DISHWASHER RM 152	8
9	REC- RM 155, 158 & 161	20 A	1			1000...	1200...			1	20 A	REC - RM 152	10
11	AV/TV - RM 160	20 A	1					1000...	1000...	1	20 A	REC - RM 140, 141, 151 & 152	12
13	AV - RM RM 156	20 A	1	600 VA	600 VA					1	20 A	AV- RM 140	14
15	AV/TV - RM 163	20 A	1			1000...	1000...			1	20 A	AV/TV - RM 140	16
17	REC - RM 165 & CORR 155, 153 & 169	20 A	1					1200...	1200...	1	20 A	REC - RM 140	18
19	REC - CORR142 & 135	20 A	1	1200...	1000...					1	20 A	REC - RM 136, 138, 139, 149, & 150	20
21	TV - RM 159 & 162	20 A	1			0 VA	1400...			1	20 A	HAND DRYER - RM 139	22
23	REC/TV - RM 104	20 A	1					800 VA	1400...	1	20 A	HAND DRYER - RM 139	24
25	REC - BOTTLE FILLER RM 102	20 A	1	720 VA	1400...					1	20 A	HAND DRYER - RM 138	26
27	REC - RM 160	20 A	1			1000...	1400...			1	20 A	HAND DRYER - RM 138	28
29	REC - RM 163	20 A	1					1200...	1400...	1	20 A	HAND DRYER - RM 149	30
31	REC - RM 164	20 A	1	1200...	1400...					1	20 A	HAND DRYER - RM 150	32
33	REC - RM 162	20 A	1			1000...	1200...			1	20 A	REC - RM 148	34
35	REC - RM 159	20 A	1					1200...	800 VA	1	20 A	REC - RM 148	36
37	REC - RM 166	20 A	1	1200...	1200...					2	20 A	COPIER - RM 148	38
39	REC - RM 166 & 167	20 A	1			1200...	1200...			--	--	--	40
41	REC - RM 166 & 168	20 A	1					1200...	600 VA	1	20 A	REC - RM 147	42
43	REC/TV - RM 168	20 A	1	400 VA	1200...					1	20 A	REC/TV - RM 103	44
45	CH-2 - VEST 101	20 A	1			696 VA	1200...			1	20 A	REC - RM 103	46
47	EXTERIOR RECEOPS	20 A	1					400 VA	1200...	1	20 A	REC - RM138	48
49	DOOR OPERATOR - VEST 101	20 A	1	1200...	1200...					1	20 A	REC - RM 138	50
51	DOOR OPERATOR - VEST 101	20 A	1			1200...	696 VA			1	20 A	CH-1 - VEST 170	52
53	REC - ELEVATOR	20 A	1					200 VA	1000...	1	20 A	AV/TV - RM 143	54
55	TVS - PASSAGE 135	20 A	1	800 VA	600 VA					1	20 A	AV - RM 143	56
57	Spare	20 A	1			0 VA	600 VA			1	20 A	TC PANEL - CUST. 151	58
59	Spare	20 A	1					0 VA	0 VA	1	20 A	Spare	60
			Total Load:	19120 VA		19792 VA		18200 VA					
			Total Amps:	161 A		166 A		152 A					

2

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Power	42112 VA	100.00%	42112 VA		
Appliance - Dwelling Unit	8400 VA	75.00%	6300 VA	**Total Conn. Load:**	57112 VA
				Total Est. Demand:	55012 VA
				Total Conn. Current:	159 A
				Total Est. Demand Current:	153 A

Notes:

GIBRALTAR DESIGN
ARCHITECTURE ◦ ENGINEERING ◦ INTERIOR DESIGN

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PROJECT:

NEW ADMINISTRATION CENTER, ALTERNATIVE EDUCATION & RESOURCE CENTER, AND RELATED WORK

CROWN POINT COMMUNITY SCHOOL CORPORATION
CROWN POINT, INDIANA

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PROJECT
21-115
DATE
04/15/22
COORDINATED BY
SM
DRAWN BY
AG
CHECKED BY
DJ

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

REVISIONS

MARK	DATE	ISSUED FOR
AD-2	05/05/22	ADDENDUM NO. 2

DRAWING
ELECTRICAL SCHEDULES

PROJECT
NEW ADMINISTRATION CENTER, ALTERNATIVE EDUCATION & RESOURCE CENTER, AND RELATED WORK

AD

SHEET
E-604

Branch Panel: 2L3

Location:
Supply From:
Mounting: Surface
Enclosure: 1

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 10kA
Mains Type: Main Lug Only
Mains Rating: 100 A
MCB Rating: 100 A

Notes:

CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
1	AV/TV - RM 233	20 A	1	1000...	1000...					1	20 A	REC - CORR 201/216 & STAIR 345	2
3	REC - RM 233	20 A	1			1200...	0 VA			1	20 A	TV - STAIR 245	4
5	REC - RM 233	20 A	1					600 VA	1200...	2	20 A	REC - COPIER RM 219	6
7	REC - RM 236	20 A	1	1000...	1200...					--	--	--	8
9	REC - RM 236	20 A	1			1000...	600 VA			1	20 A	REC - RM 219	10
11	REC - RM 236	20 A	1					1200...	1000...	1	20 A	AV/TV - RM 220	12
13	REC - RM 231, 232, 234, & 235	20 A	1	1200...	1000...					1	20 A	REC - RM 219	14
15	TV/REC - RM 238	20 A	1			800 VA	1000...			1	20 A	REC - RM 221, 222, 228, 229 & 230	16
17	TV - RM 235	20 A	1					400 VA	1000...	1	20 A	REC - FRIDGE RM 224	18
19	Spare	20 A	1	0 VA	1600...					1	20 A	REC - MWAVE RM 224	20
21	Spare	20 A	1			0 VA	1600...			1	20 A	REC - COFFEE RM 224	22
23	Spare	20 A	1					0 VA	1200...	1	20 A	DISHWASHER - RM 224	24
25	Spare	20 A	1	0 VA	1000...					1	20 A	REC - RM 224	26
27	Spare	20 A	1			0 VA	600 VA			1	20 A	TV/REC - RM 224	28
29	Spare	20 A	1					0 VA	0 VA	1	20 A	Spare	30
31	Spare	20 A	1	0 VA	0 VA					1	20 A	Spare	32
33	Spare	20 A	1			0 VA	0 VA			1	20 A	Spare	34
35	Spare	20 A	1					0 VA	0 VA	1	20 A	Spare	36
37	Space	--	--	0 VA	0 VA					--	--	Space	38
39	Space	--	--			0 VA	0 VA			--	--	Space	40
41	Space	--	--					0 VA	0 VA	--	--	Space	42
		Total Load:		9000 VA		6800 VA		6600 VA					
		Total Amps:		75 A		57 A		55 A					

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Power	20000 VA	100.00%	20000 VA		
				Total Conn. Load:	22400 VA
				Total Est. Demand:	22400 VA
				Total Conn. Current:	62 A
				Total Est. Demand Current:	62 A

Notes:

Branch Panel: 2L1

Location:
Supply From:
Mounting: Surface
Enclosure: 1

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 10kA
Mains Type: Main Lug Only
Mains Rating: 100 A
MCB Rating: 100 A

Notes:

CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
1	REC - COR 258 & RM 209/208/207	20 A	1	1200...	1000...					1	20 A	REC - RM 211 & RM 257	2
3	REC - RM 202	20 A	1			1000...	600 VA			1	20 A	REC - RM 211	4
5	TV - RM 202	20 A	1					400 VA	800 VA	1	20 A	REC - RM 210	6
7	REC - RM 203	20 A	1	1400...	1200...					1	20 A	REC - RM 212	8
9	REC - RM 203	20 A	1			1000...	600 VA			1	20 A	AV - RM 211	10
11	REC - RM 203	20 A	1					1000...	800 VA	1	20 A	REC - RM 213	12
13	REC - RM 203	20 A	1	1000...	1200...					1	20 A	REC - RM 213	14
15	REC - RM 204	20 A	1			800 VA	0 VA			1	20 A	Spare	16
17	REC - RM 205	20 A	1					800 VA	0 VA	1	20 A	Spare	18
19	AV/TV - RM 205	20 A	1	1000...	0 VA					1	20 A	Spare	20
21	REC - RM 206	20 A	1			800 VA	0 VA			1	20 A	Spare	22
23	Spare	20 A	1					0 VA	0 VA	1	20 A	Spare	24
25	Spare	20 A	1	0 VA	0 VA					1	20 A	Spare	26
27	Spare	20 A	1			0 VA	0 VA			1	20 A	Spare	28
29	Spare	20 A	1					0 VA	0 VA	1	20 A	Spare	30
31	Spare	20 A	1	0 VA	0 VA					1	20 A	Spare	32
33	Spare	20 A	1			0 VA	0 VA			1	20 A	Spare	34
35	Spare	20 A	1					0 VA	0 VA	1	20 A	Spare	36
37	Space	--	--	0 VA	0 VA					--	--	Space	38
39	Space	--	--			0 VA	0 VA			--	--	Space	40
41	Space	--	--					0 VA	0 VA	--	--	Space	42
		Total Load:		8000 VA		4800 VA		3800 VA					
		Total Amps:		68 A		41 A		32 A					

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Power	14600 VA	100.00%	14600 VA		
				Total Conn. Load:	16600 VA
				Total Est. Demand:	16600 VA
				Total Conn. Current:	46 A
				Total Est. Demand Current:	46 A

Notes:

Branch Panel: EM-TECH

Location:
Supply From:
Mounting: Surface
Enclosure: 1

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 10kA
Mains Type: Main Lug Only
Mains Rating: 60 A
MCB Rating: 60 A

Notes:

CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
T1:1	REC - DATA RACK - RM 223	20 A	1	1200...	800 VA					1	20 A	REC - CONV - RM 223	T1:2
T1:3	REC - IDF - RM 223	20 A	2			1500...	0 VA			1	20 A	Spare	T1:4
T1:5	--	--	--					1500...	0 VA	1	20 A	Spare	T1:6
T1:7	Spare	20 A	1	0 VA	0 VA					1	20 A	Spare	T1:8
T1:9	Spare	20 A	1			0 VA	0 VA			1	20 A	Spare	T1:10
T1:11	Spare	20 A	1					0 VA	0 VA	1	20 A	Spare	T1:12
T1:13	Spare	20 A	1	0 VA	0 VA					1	20 A	Spare	T1:14
T1:15	Spare	20 A	1			0 VA	0 VA			1	20 A	Spare	T1:16
T1:17	Spare	20 A	1					0 VA	0 VA	1	20 A	Spare	T1:18
T1:19	Spare	20 A	1	0 VA	0 VA					1	20 A	Spare	T1:20
T1:21	Spare	20 A	1			0 VA	0 VA			1	20 A	Spare	T1:22
T1:23	Spare	20 A	1					0 VA	0 VA	1	20 A	Spare	T1:24
T1:25	Space	--	--	0 VA	0 VA					--	--	Space	T1:26
T1:27	Space	--	--			0 VA	0 VA			--	--	Space	T1:28
T1:29	Space	--	--					0 VA	0 VA	--	--	Space	T1:30
T1:31	Space	--	--	0 VA	0 VA					--	--	Space	T1:32
T1:33	Space	--	--			0 VA	0 VA			--	--	Space	T1:34
T1:35	Space	--	--					0 VA	0 VA	--	--	Space	T1:36
T1:37	Space	--	--	0 VA	0 VA					--	--	Space	T1:38
T1:39	Space	--	--			0 VA	0 VA			--	--	Space	T1:40
T1:41	Space	--	--					0 VA	0 VA	--	--	Space	T1:42
		Total Load:		2000 VA		1500 VA		1500 VA					
		Total Amps:		17 A		13 A		13 A					

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Power	5000 VA	100.00%	5000 VA		
				Total Conn. Load:	5000 VA
				Total Est. Demand:	5000 VA
				Total Conn. Current:	14 A
				Total Est. Demand Current:	14 A

Notes:

Branch Panel: 2L2

Location:
Supply From:
Mounting: Surface
Enclosure: 1

Volts: 120/208 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 10kA
Mains Type: Main Lug Only
Mains Rating: 100 A
MCB Rating: 100 A

Notes:

CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
1	Spare	20 A	1	0 VA	1200...					1	20 A	REC - RM 240, 241, 243	2
3	REC - RM 239	20 A	1			1200...	1000...			1	20 A	TV/REC - RM 240, 241 & 243	4
5	Spare	20 A	1					0 VA	1200...	1	20 A	REC - RM 254	6
7	REC - RM 242	20 A	1	1200...	1200...					1	20 A	REC - RM 254	8
9	Spare	20 A	1			0 VA	1000...			1	20 A	REC - RM 214 & 215	10
11	REC - RM 244	20 A	1					1200...	1200...	2	20 A	REC - COPIER RM 215	12
13	REC - RM 248	20 A	1	1000...	1200...					--	--	--	14
15	REC - RM 249	20 A	1			1000...	600 VA			1	20 A	REC - COR 216 & STAIR 226	16
17	REC - RM 250	20 A	1					1000...	1200...	1	20 A	AV - RM 254	18
19	REC - RM 251	20 A	1	1000...	0 VA					1	20 A	Spare	20
21	REC - RM 252	20 A	1			1000...	0 VA			1	20 A	Spare	22
23	REC - RM 253	20 A	1					1000...	0 VA	1	20 A	Spare	24
25	REC - RM 255	20 A	1	1000...	0 VA					1	20 A	Spare	26
27	REC - RM 256	20 A	1			1000...	0 VA			1	20 A	Spare	28
29	TV/REC - RM 225	20 A	1					1200...	0 VA	1	20 A	Spare	30
31	REC - RM 225	20 A	1	800 VA	0 VA					1	20 A	Spare	32
33	Spare	20 A	1			0 VA	0 VA			1	20 A	Spare	34
35	Spare	20 A	1					0 VA	0 VA	1	20 A	Spare	36
37	Space	--	--	0 VA	0 VA					--	--	Space	38
39	Space	--	--			0 VA	0 VA			--	--	Space	40
41	Space	--	--					0 VA	0 VA	--	--	Space	42
		Total Load:		8600 VA		6800 VA		8000 VA					
		Total Amps:		73 A		57 A		68 A					

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Power	22200 VA	100.00%	22200 VA		
				Total Conn. Load:	23400 VA
				Total Est. Demand:	23400 VA
				Total Conn. Current:	65 A
				Total Est. Demand Current:	65 A

Notes:

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PROJECT:

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CROWN POINT COMMUNITY SCHOOL CORPORATION
CROWN POINT, INDIANA

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Email: info@GibraltarDesign.com
Phone 317.580.5777 Fax 317.580.5778

PROJECT
21-115
DATE
04/15/22
COORDINATED BY
SM
DRAWN BY
AG
CHECKED BY
DJ

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

REVISIONS

MARK	DATE	ISSUED FOR
AD-2	05/05/22	ADDENDUM NO. 2

DRAWING
ELECTRICAL SCHEDULES

PROJECT
NEW ADMINISTRATION CENTER, ALTERNATIVE EDUCATION & RESOURCE CENTER, AND RELATED WORK

SHEET
AD
E-605

5/4/2022 1:42:26 PM
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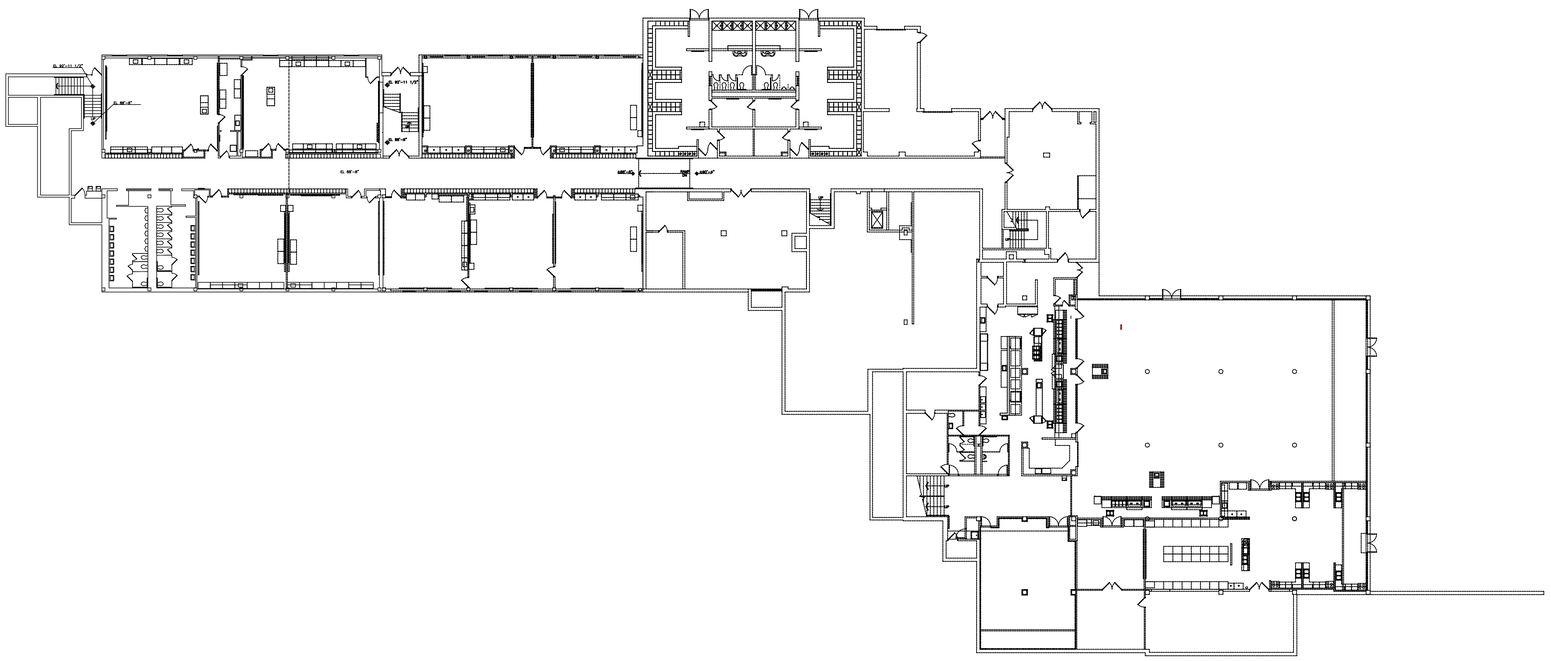
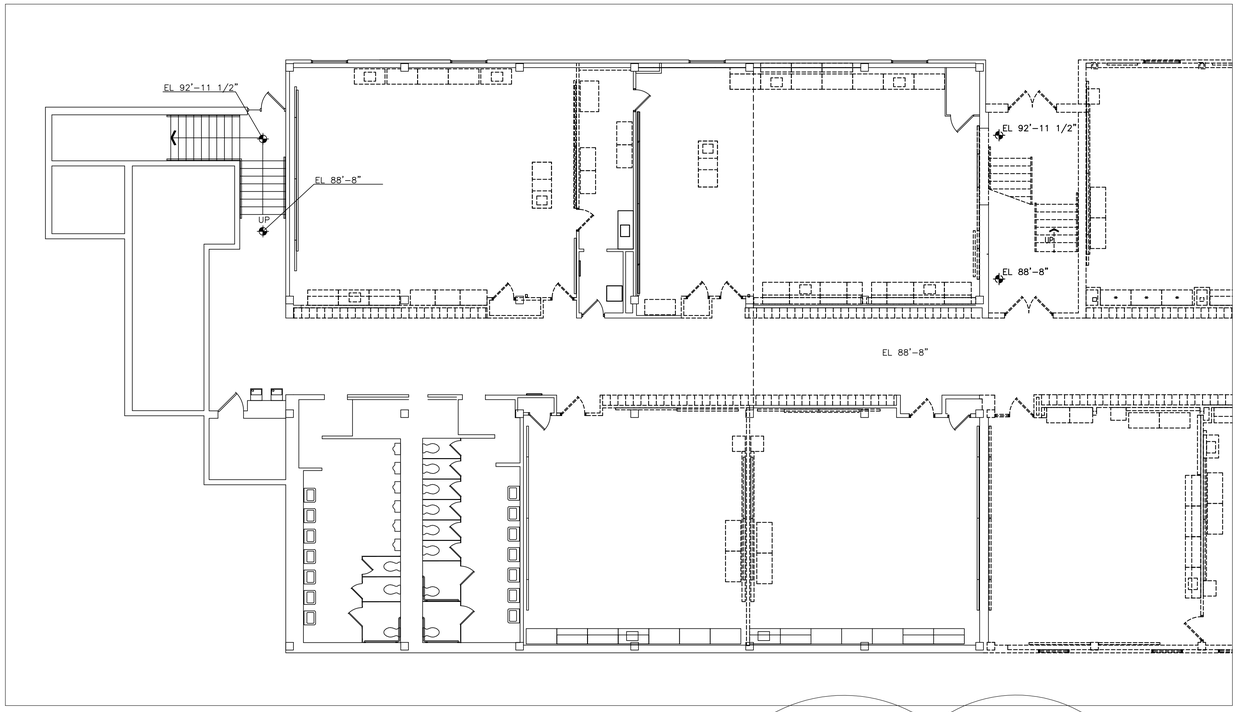


TELECOMMUNICATIONS OVERALL LOWER LEVEL DEMOLITION PLAN

SCALE: 1/20" = 1'-0"



TELECOMMUNICATIONS PARTIAL LOWER LEVEL DEMOLITION PLAN

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

GENERAL DEMOLITION NOTES:

1. THE CONTRACT DOCUMENTS DO NOT PROPOSE TO SHOW ALL SYSTEMS, MATERIALS, OR EQUIPMENT EXISTING ON THE PROJECT THAT WILL REQUIRE DEMOLITION. DEMOLITION DRAWINGS ARE BASED ON PARTIAL FIELD OBSERVATION. REPORT DISCREPANCIES TO THE CONSULTANT BEFORE DISTURBING EXISTING INSTALLATION.
2. REMOVE ALL ABANDONED CABLING AS DEFINED BY THE NEC.
3. ALL REMOVED TECHNOLOGY AND / OR SECURITY DEVICE TO BE INVENTORIED AND TURNED OVER TO THE OWNER. PROTECT AND STORE AS DIRECTED BY THE OWNER.
4. IDENTIFY ITEMS TO BE SALVAGED WITH THE OWNER. PROVIDE NON-DESTRUCTIVE REMOVAL OF SYSTEMS, MATERIALS, AND EQUIPMENT FOR REUSE OR SALVAGE AS INDICATED.
5. REMOVE ALL COMMUNICATIONS DEBRIS FROM SITE AND LEGALLY DISPOSE OF IT.
6. COORDINATE ALL LOW VOLTAGE DEMO ACTIVITY WITH CONSTRUCTION MANAGER, REVIEW DEMO PHASING PLANS.
7. CONTRACTOR UNDERSTANDS THAT ADJACENT AREAS NEED TO REMAIN IN OPERATION AND THAT SERVICES TO THESE AREAS NEED TO BE MAINTAINED.
8. CONTRACTOR SHALL NOTIFY THE OWNER AND CONSULTANT NO LESS THAN THREE DAYS IN ADVANCE BEFORE COMMENCING ANY DEMOLITION TO INSURE THAT NO ADJACENT OCCUPIED AREAS WILL BE DISRUPTED.
9. FIRE STOP ANY SLEEVES WHERE CABLES HAVE BEEN REMOVED.
10. CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING TELEPHONE, DATA, CENTRAL SOUND, SECURITY CCTV AND ALARM SYSTEM SERVICES IN ALL EXISTING AREAS FOR DURATION OF PROJECT FOR MULTI-PHASED PROJECTS. CONTRACTOR SHALL COLLABORATE WITH OWNER'S TECHNOLOGY PERSONNEL AS NECESSARY AND PROVIDE TEMPORARY WIRING, CROSS-CONNECTS, TERMINATION DEVICES, AND LABOR TO MAINTAIN OPERATION ACCEPTABLE TO THE OWNER. CONTRACTOR SHALL REFER TO THE SPECIFICATIONS FOR ADDITIONAL INFORMATION RELATED TO PHASING.

☐ DEMOLITION NOTES:

(ALL DEMOLITION NOTES MAY NOT BE USED ON THIS SHEET.)

1. EXISTING TELECOMMUNICATION OUTLET(S) TO BE REMOVED. REMOVE CABLE BACK TO THE SOURCE. IF OUTLET(S) ARE IN SURFACE RACEWAY THE RACEWAY IS TO REMAIN.
2. EXISTING WIRELESS ACCESS POINT(S) TO BE REMOVED. REMOVE CABLE BACK TO THE SOURCE. SECURELY STORE IN A LOCATION DESIGNATED BY OWNER.
3. EXISTING DATA CABINET TO BE REMOVED. REMOVE FIBER CABLING ASSOCIATED WITH DATA CABINET BACK TO THE SOURCE.
4. EXISTING INTERCOM SPEAKERS TO BE REMOVED.
5. EXISTING AUDIO/VIDEO SYSTEMS AND DEVICES (PROJECTOR,TELEVISION,INTERACTIVE BOARD), AND RELATED MOUNTS AND CABLING, ETC. TO REMAIN.
6. EXISTING AUDIO/VIDEO SYSTEMS AND DEVICES (PROJECTOR, TELEVISION, LOCAL SOUND, ECT.) AND RELATED MOUNTS AND CABLING, TO BE REMOVED. SECURELY STORE IN A LOCATION DESIGNATED BY OWNER. NOTE -- SOME OF THE CLASSROOM PROJECTORS ARE SITTING ON PORTABLE CARTS.
7. EXISTING SECURITY DEVICES (CARD READER,CONTROLLER, DOOR INTERCOM ETC.) TO REMAIN IN SERVICE AND/OR BE RELOCATED INTO NEW DOOR FRAMES.
8. EXISTING SECURITY DEVICES (CAMERAS, CARD READER, CONTROLLER, DOOR INTERCOM ETC.) AND RELATED MOUNTS TO BE REMOVED. REMOVE CABLE BACK TO THE SOURCE.
9. EXISTING INTERCOM SPEAKER(S) TO REMAIN. DISCONNECT FROM CEILING TILE AND PROVIDE TEMPORARY ABOVE CEILING SUPPORT. (TYPICAL)
10. EXISTING INCOMING WAN FIBER SERVICE TO REMAIN UNTIL NEW MOF IS BUILT. OWNER IS RESPONSIBLE TO ARRANGE WITH SERVICE PROVIDER TO HAVE THE FIBER RELOCATED.

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CROWN POINT COMMUNITY SCHOOL CORPORATION
CROWN POINT, INDIANA

KEY PLAN

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PROJECT 21-115
DATE 04/15/22
COORDINATED BY BKS
DRAWN BY ZW
CHECKED BY TKP

REGISTERED COMMUNICATIONS DISTRIBUTION DESIGNER
BICSI
Brian K Scott
BICSI ID # 1140338
EXPIRES 12-31-24
RCDD

REVISIONS

MARK	DATE	ISSUED FOR
AD-2	5/5/22	ADDENDUM 2

DRAWING
TELECOMMUNICATIONS LOWER LEVEL DEMOLITION PLAN

PROJECT
NEW ADMINISTRATION CENTER, ALTERNATIVE EDUCATION & RESOURCE CENTER, AND RELATED WORK

SHEET
AR
TD-110

Wednesday, 5/4/2022 - 3:57 PM - LAST SAVED BY:TKPOO
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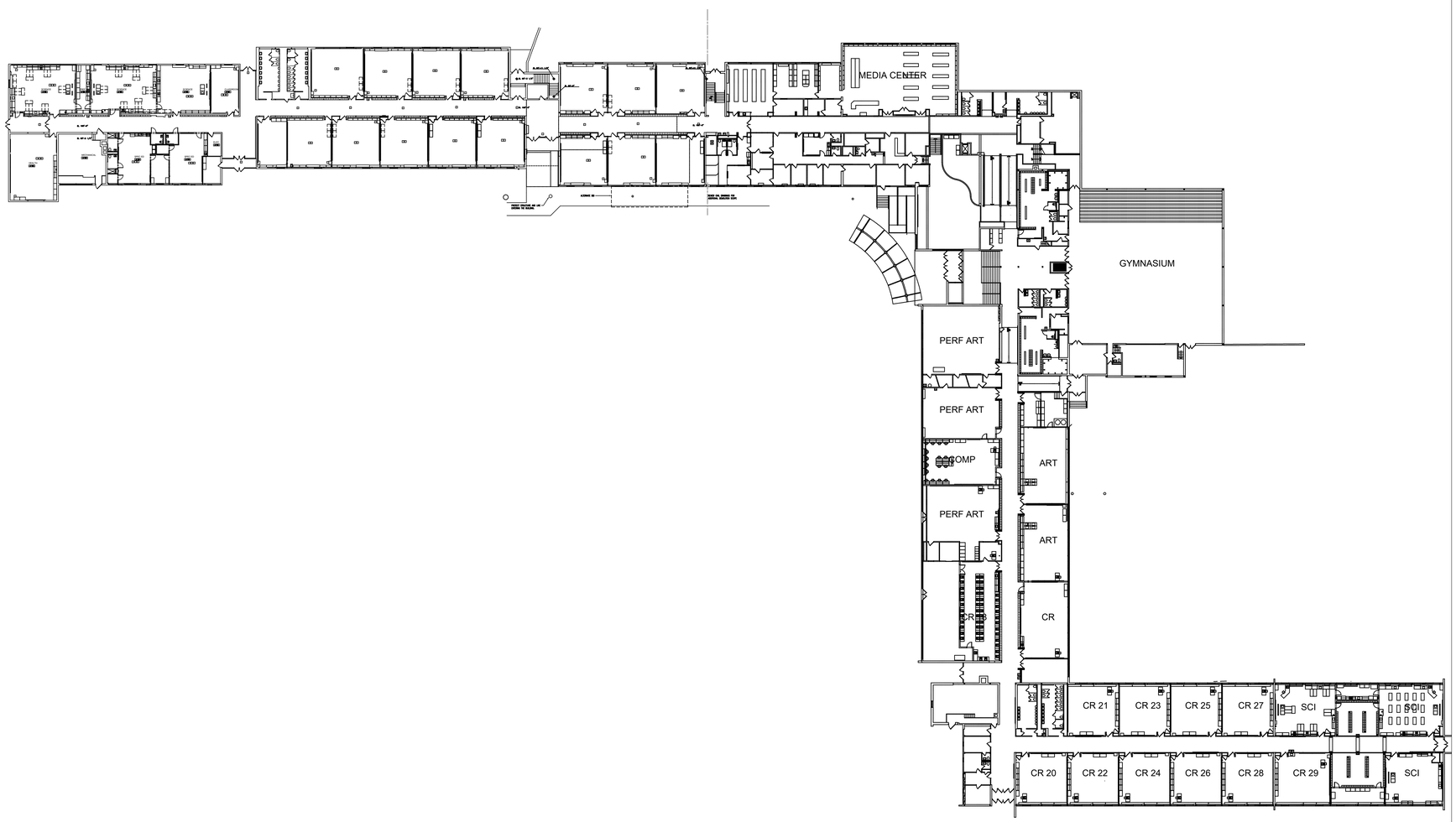

TELECOMMUNICATIONS OVERALL MAIN LEVEL DEMOLITION PLAN

SCALE: 1/32" = 1'-0"

GENERAL DEMOLITION NOTES:

1. THE CONTRACT DOCUMENTS DO NOT PROPOSE TO SHOW ALL SYSTEMS, MATERIALS, OR EQUIPMENT EXISTING ON THE PROJECT THAT WILL REQUIRE DEMOLITION. DEMOLITION DRAWINGS ARE BASED ON PARTIAL FIELD OBSERVATION. REPORT DISCREPANCIES TO THE CONSULTANT BEFORE DISTURBING EXISTING INSTALLATION.
2. REMOVE ALL ABANDONED CABLING AS DEFINED BY THE NEC.
3. ALL REMOVED TECHNOLOGY AND / OR SECURITY DEVICE TO BE INVENTORIED AND TURNED OVER TO THE OWNER. PROTECT AND STORE AS DIRECTED BY THE OWNER.
4. IDENTIFY ITEMS TO BE SALVAGED WITH THE OWNER. PROVIDE NON-DESTRUCTIVE REMOVAL OF SYSTEMS, MATERIALS, AND EQUIPMENT FOR REUSE OR SALVAGE AS INDICATED.
5. REMOVE ALL COMMUNICATIONS DEBRIS FROM SITE AND LEGALLY DISPOSE OF IT.
6. COORDINATE ALL LOW VOLTAGE DEMO ACTIVITY WITH CONSTRUCTION MANAGER, REVIEW DEMO PHASING PLANS.
7. CONTRACTOR UNDERSTANDS THAT ADJACENT AREAS NEED TO REMAIN IN OPERATION AND THAT SERVICES TO THESE AREAS NEED TO BE MAINTAINED.
8. CONTRACTOR SHALL NOTIFY THE OWNER AND CONSULTANT NO LESS THAN THREE DAYS IN ADVANCE BEFORE COMMENCING ANY DEMOLITION TO INSURE THAT NO ADJACENT OCCUPIED AREAS WILL BE DISRUPTED.
9. FIRE STOP ANY SLEEVES WHERE CABLES HAVE BEEN REMOVED.
10. CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING TELEPHONE, DATA, CENTRAL SOUND, SECURITY CCTV AND ALARM SYSTEM SERVICES IN ALL EXISTING AREAS FOR DURATION OF PROJECT FOR MULTI-PHASED PROJECTS. CONTRACTOR SHALL COLLABORATE WITH OWNER'S TECHNOLOGY PERSONNEL AS NECESSARY AND PROVIDE TEMPORARY WIRING, CROSS-CONNECTS, TERMINATION DEVICES, AND LABOR TO MAINTAIN OPERATION ACCEPTABLE TO THE OWNER. CONTRACTOR SHALL REFER TO THE SPECIFICATIONS FOR ADDITIONAL INFORMATION RELATED TO PHASING.

DEMOLITION NOTES:

(ALL DEMOLITION NOTES MAY NOT BE USED ON THIS SHEET.)

1. EXISTING TELECOMMUNICATION OUTLET(S) TO BE REMOVED. REMOVE CABLE BACK TO THE SOURCE. IF OUTLET(S) ARE IN SURFACE RACEWAY THE RACEWAY IS TO REMAIN.
2. EXISTING WIRELESS ACCESS POINT(S) TO BE REMOVED. REMOVE CABLE BACK TO THE SOURCE. SECURELY STORE IN A LOCATION DESIGNATED BY OWNER.
3. EXISTING DATA CABINET TO BE REMOVED. REMOVE FIBER CABLING ASSOCIATED WITH DATA CABINET BACK TO THE SOURCE.
4. EXISTING INTERCOM SPEAKERS TO BE REMOVED.
5. EXISTING AUDIO/VIDEO SYSTEMS AND DEVICES (PROJECTOR,TELEVISION,INTERACTIVE BOARD), AND RELATED MOUNTS AND CABLING, ETC. TO REMAIN.
6. EXISTING AUDIO/VIDEO SYSTEMS AND DEVICES (PROJECTOR, TELEVISON, LOCAL SOUND, ECT.) AND RELATED MOUNTS AND CABLING, TO BE REMOVED. SECURELY STORE IN A LOCATION DESIGNATED BY OWNER. NOTE -- SOME OF THE CLASSROOM PROJECTORS ARE SITTING ON PORTABLE CARTS.
7. EXISTING SECURITY DEVICES (CARD READER,CONTROLLER, DOOR INTERCOM ETC.) TO REMAIN IN SERVICE AND/OR BE RELOCATED INTO NEW DOOR FRAMES.
8. EXISTING SECURITY DEVICES (CAMERAS, CARD READER, CONTROLLER, DOOR INTERCOM ETC.) AND RELATED MOUNTS TO BE REMOVED. REMOVE CABLE BACK TO THE SOURCE.
9. EXISTING INTERCOM SPEAKER(S) TO REMAIN. DISCONNECT FROM CEILING TILE AND PROVIDE TEMPORARY ABOVE CEILING SUPPORT. (TYPICAL)
10. EXISTING INCOMING WAN FIBER SERVICE TO REMAIN UNTIL NEW MOF IS BUILT. OWNER IS RESPONSIBLE TO ARRANGE WITH SERVICE PROVIDER TO HAVE THE FIBER RELOCATED.

AD-2

REPLACE DRAWING TO ALTER SCALE

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

PROJECT 21-115
DATE 04/15/22
COORDINATED BY BKS
DRAWN BY ZW
CHECKED BY TKP

BICSI Registered Communications Distribution Designer
Brian K Scott
BICSI ID # 1140338
Expires 12-31-24
RCDD

REVISIONS

MARK	DATE	ISSUED FOR
AD-2	5/5/22	ADDENDUM 2

DRAWING
TELECOMMUNICATIONS OVERALL MAIN LEVEL DEMOLITION PLAN

PROJECT
NEW ADMINISTRATION CENTER, ALTERNATIVE EDUCATION & RESOURCE CENTER, AND RELATED WORK

SHEET
AR
TD-111

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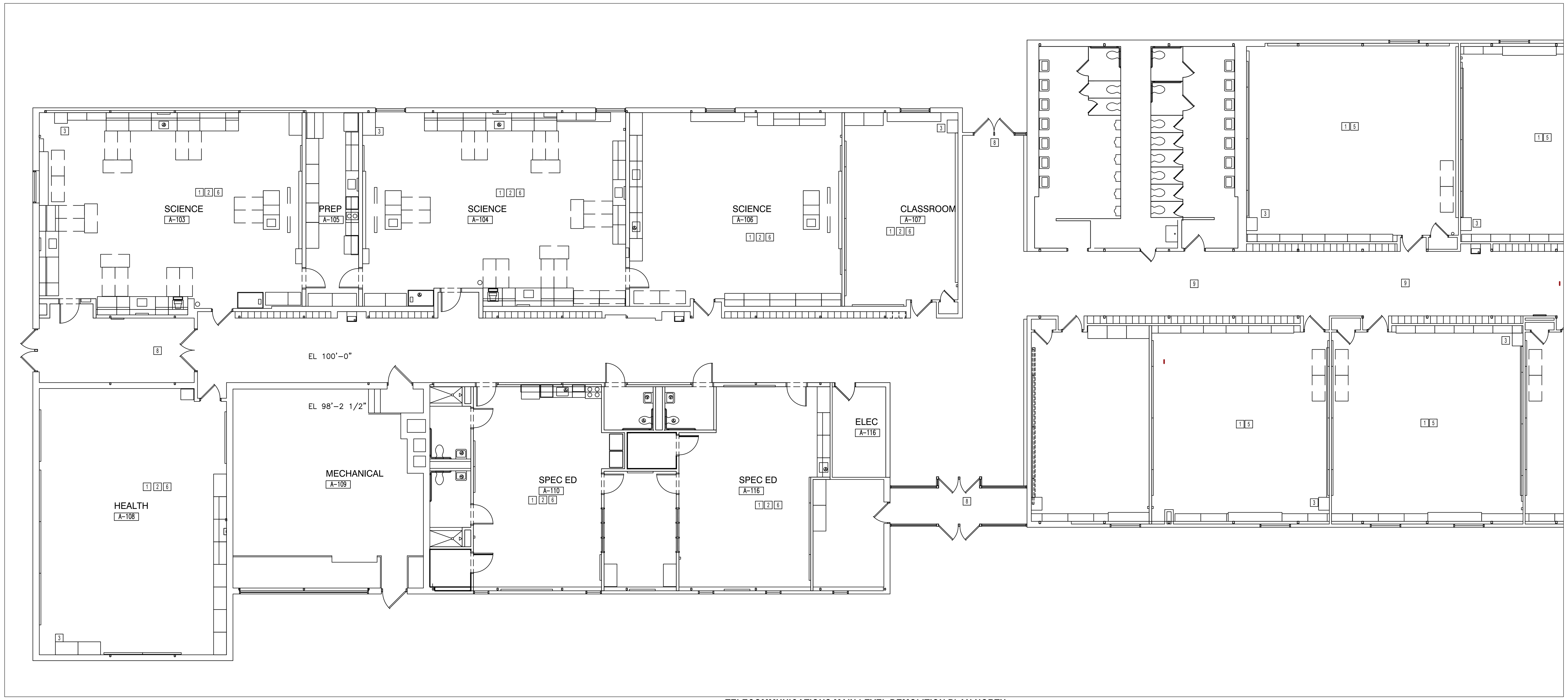
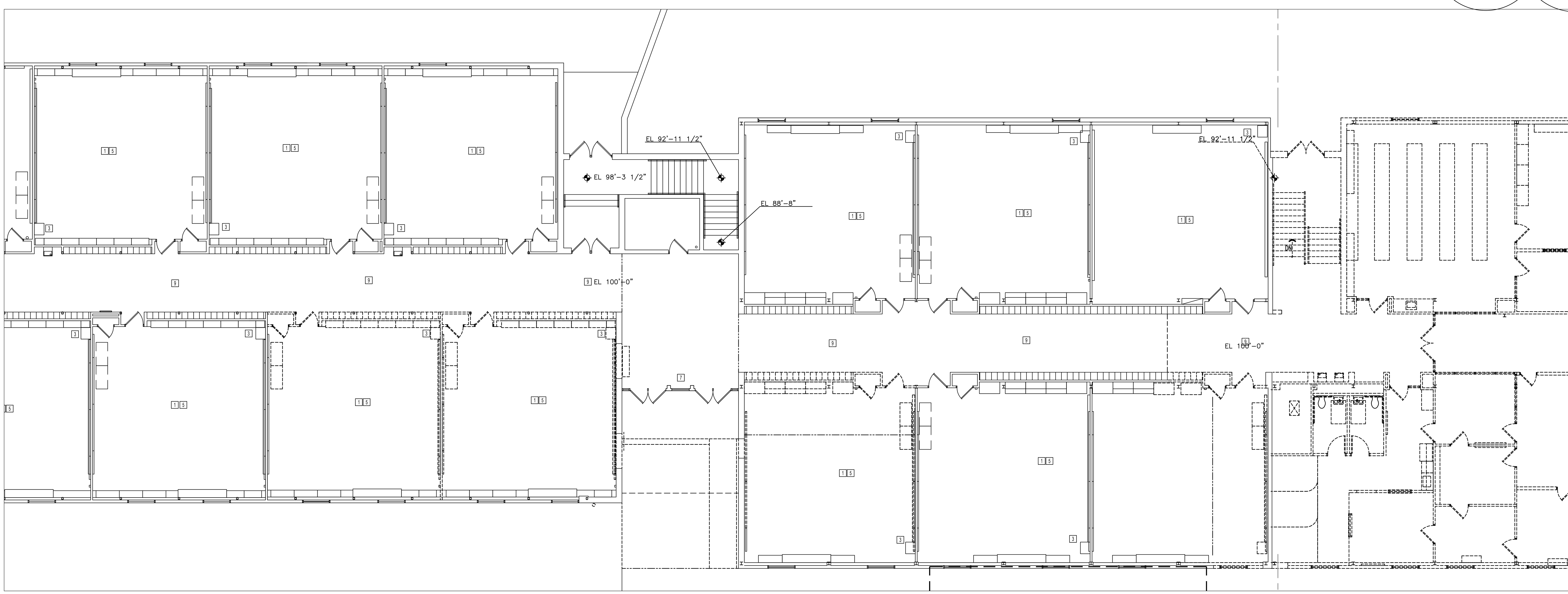


TELECOMMUNICATIONS MAIN LEVEL DEMOLITION PLAN NORTH

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



TELECOMMUNICATIONS MAIN LEVEL DEMOLITION PLAN SOUTH

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

GENERAL DEMOLITION NOTES:

1. THE CONTRACT DOCUMENTS DO NOT PROPOSE TO SHOW ALL SYSTEMS, MATERIALS, OR EQUIPMENT EXISTING ON THE PROJECT THAT WILL REQUIRE DEMOLITION. DEMOLITION DRAWINGS ARE BASED ON PARTIAL FIELD OBSERVATION. REPORT DISCREPANCIES TO THE CONSULTANT BEFORE DISTURBING EXISTING INSTALLATION.
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☐ DEMOLITION NOTES:

(ALL DEMOLITION NOTES MAY NOT BE USED ON THIS SHEET.)

1. EXISTING TELECOMMUNICATION OUTLET(S) TO BE REMOVED. REMOVE CABLE BACK TO THE SOURCE. IF OUTLET(S) ARE IN SURFACE RACEWAY THE RACEWAY IS TO REMAIN.
2. EXISTING WIRELESS ACCESS POINT(S) TO BE REMOVED. REMOVE CABLE BACK TO THE SOURCE. SECURELY STORE IN A LOCATION DESIGNATED BY OWNER.
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4. EXISTING INTERCOM SPEAKERS TO BE REMOVED.
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6. EXISTING AUDIO/VIDEO SYSTEMS AND DEVICES (PROJECTOR, TELEVISION, LOCAL SOUND, ECT.) AND RELATED MOUNTS AND CABLING, TO BE REMOVED. SECURELY STORE IN A LOCATION DESIGNATED BY OWNER. NOTE – SOME OF THE CLASSROOM PROJECTORS ARE SITTING ON PORTABLE CARTS.
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10. EXISTING INCOMING WAN FIBER SERVICE TO REMAIN UNTIL NEW MDF IS BUILT. OWNER IS RESPONSIBLE TO ARRANGE WITH SERVICE PROVIDER TO HAVE THE FIBER RELOCATED.

AD-2

NEW SHEET ADDED TO DRAWINGS IN THIS ADDENDUM

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PROJECT
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CROWN POINT COMMUNITY SCHOOL CORPORATION
CROWN POINT, INDIANA

KEY PLAN

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

PROJECT 21-115
DATE 04/15/22
COORDINATED BY BKS
DRAWN BY ZW
CHECKED BY TKP

REGISTERED COMMUNICATIONS DISTRIBUTION DESIGNER
BICSI
Brian K Scott
BICSI ID # 114038
EXPIRES 12-31-24
RCDD

REVISIONS

MARK	DATE	ISSUED FOR
AD-2	5/5/22	ADDENDUM 2

DRAWING
TELECOMMUNICATIONS MAIN LEVEL DEMOLITION PLAN

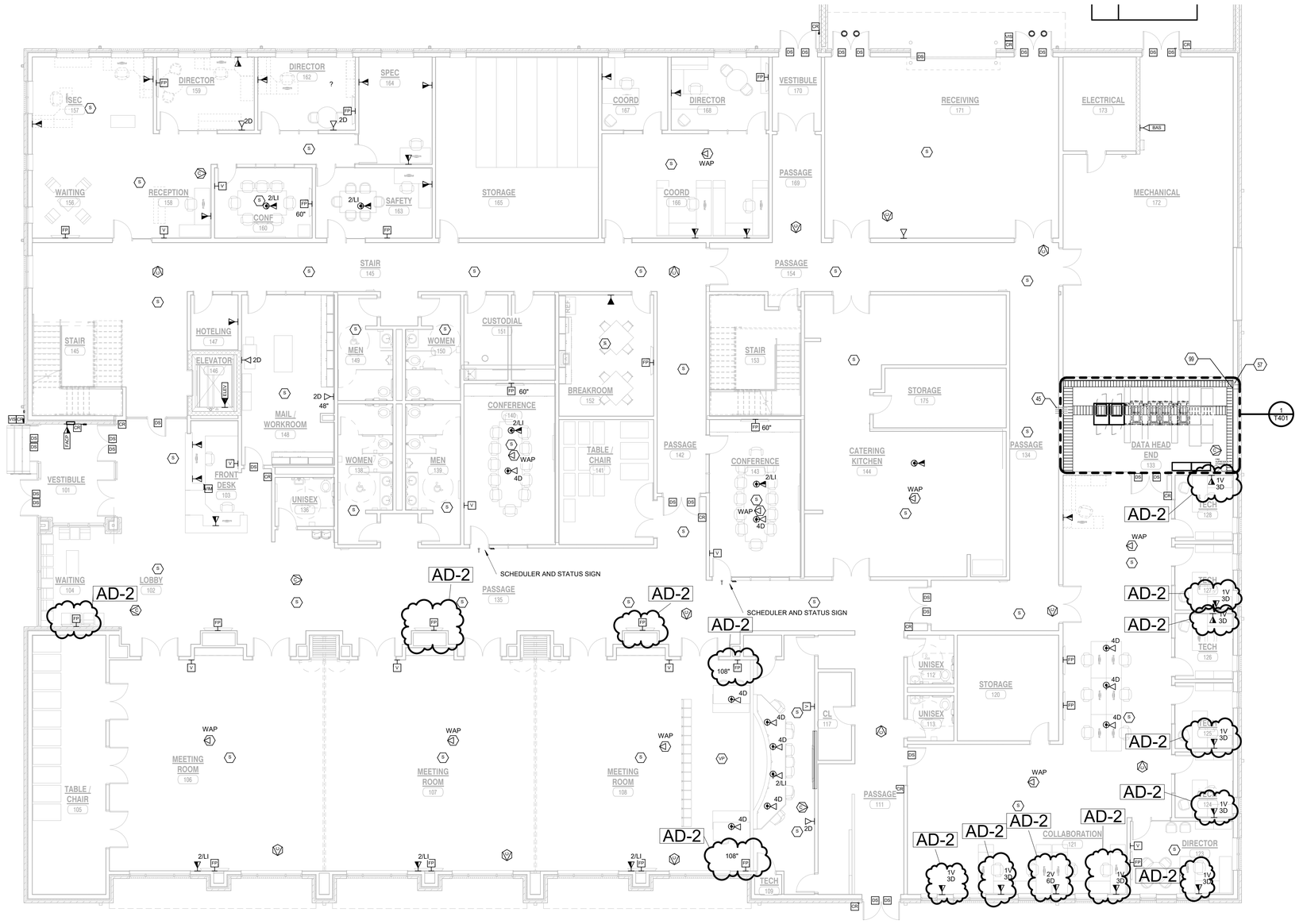
PROJECT
NEW ADMINISTRATION CENTER, ALTERNATIVE EDUCATION & RESOURCE CENTER, AND RELATED WORK

AR

SHEET
TD-112

Wednesday, 5/4/2022 - 4:12 PM - LAST SAVED BY:TKPOO
D:\DROPBOX\CROWN_POINT_ COMMUNITY_SCHOOLS\NEW ADMIN CENTER\DRAWINGS\ALTERNATE ED\T-SHEETS\TD 112 MAIN LEVEL TELECOMMUNICATIONS DEMO PLAN NORTH AND SOUTH.DWG

Keynote Legend	
Key Value	Keynote Text
45	SLEEVES, 4" (TYPICAL).
57	ENTRANCE FACILITY CONDUITS, 2 X 4" UON.
99	CONDUITS DOWN THROUGH FLOOR.



1 T101 FIRST FLOOR TELECOMMUNICATIONS PLAN

1/8" = 1'-0"

NORTH

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TECHNOLOGY DYNAMICS
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PROJECT:

NEW ADMINISTRATION CENTER, ALTERNATIVE EDUCATION & RESOURCE CENTER, AND RELATED WORK

CROWN POINT COMMUNITY SCHOOL CORPORATION

CROWN POINT, INDIANA

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BICSI Brian K Scott
BICSI ID # 114038
EXPIRES 12-31-24
RCDD

REVISIONS

MARK	DATE	ISSUED FOR
AD-2	5/5/22	ADDENDUM 02

DRAWING
FIRST FLOOR TELECOMMUNICATIONS PLAN

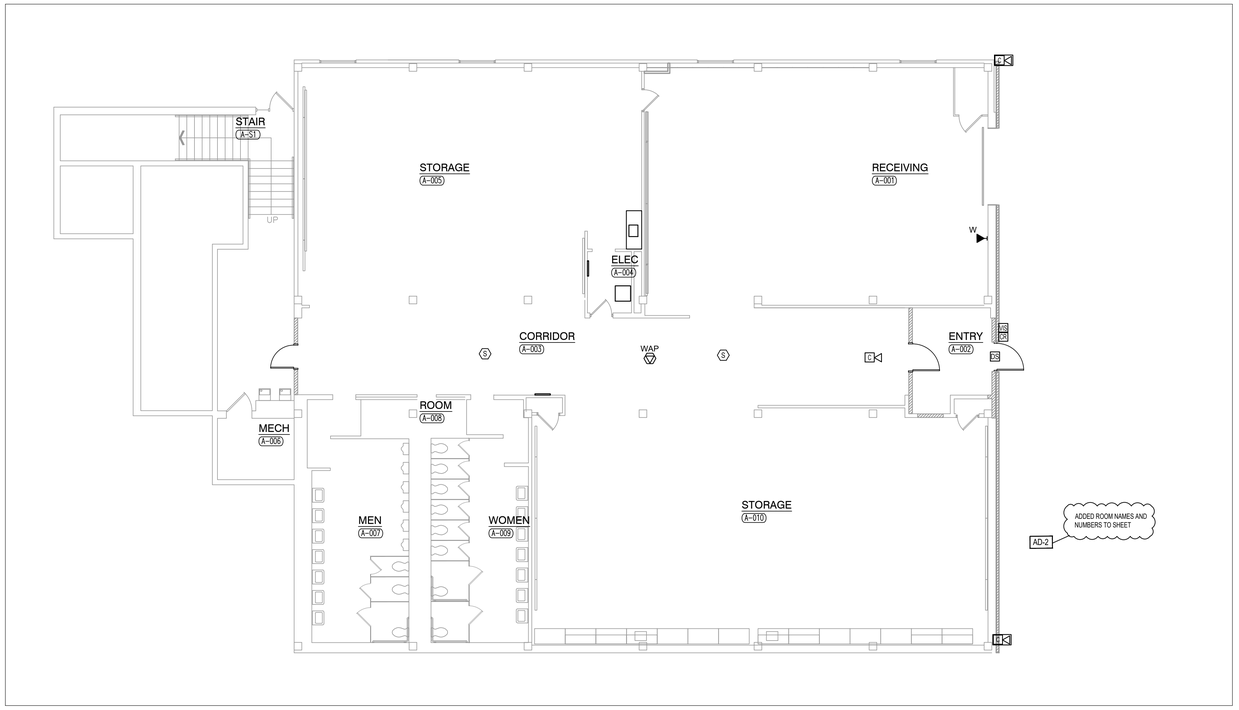
PROJECT
NEW ADMINISTRATION CENTER, ALTERNATIVE EDUCATION & RESOURCE CENTER, AND RELATED WORK

SHEET
AD
T101

PLAN NOTES:

(ALL NOTES MAY NOT BE USED ON THIS SHEET.)

1. FOR NEW TELECOMMUNICATIONS OUTLETS BEING INSTALLED IN EXISTING WALLS RE-USE AND/OR MODIFY EXISTING RACEWAY WHERE POSSIBLE. IF NOT PROVIDE NEW SURFACE RACEWAY.
2. EXISTING WIRELESS ACCESS POINT(S) TO REMAIN PROVIDE NEW DATA CABLE.
3. NOT USED



1 **TELECOMMUNICATIONS LOWER LEVEL PLAN**
SCALE: 1/8" = 1'-0"

NORTH

Tuesday, 5/3/2022 - 5:46 PM - LAST SAVED BY:TKP00
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PROJECT
NEW ADMINISTRATION CENTER, ALTERNATIVE EDUCATION & RESOURCE CENTER, AND RELATED WORK

CROWN POINT COMMUNITY SCHOOL CORPORATION
CROWN POINT, INDIANA

KEY PLAN

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PROJECT 21-115
DATE 04/15/22
COORDINATED BY BKS
DRAWN BY ZW
CHECKED BY TKP

REGISTERED COMMUNICATIONS DISTRIBUTION DESIGNER
BICSI
Brian K Scott
BICSI ID # 114038
EXPIRES 12-31-24
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REVISIONS

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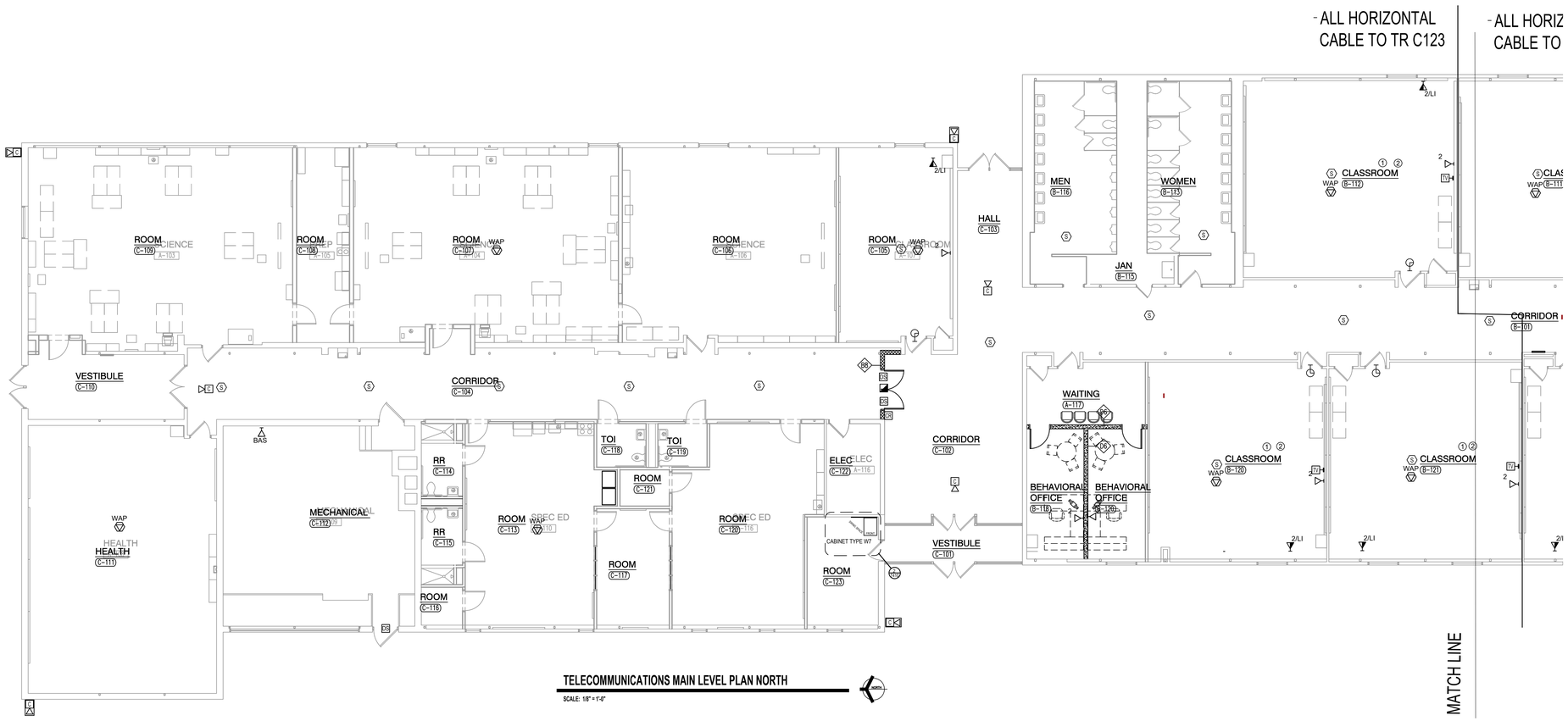
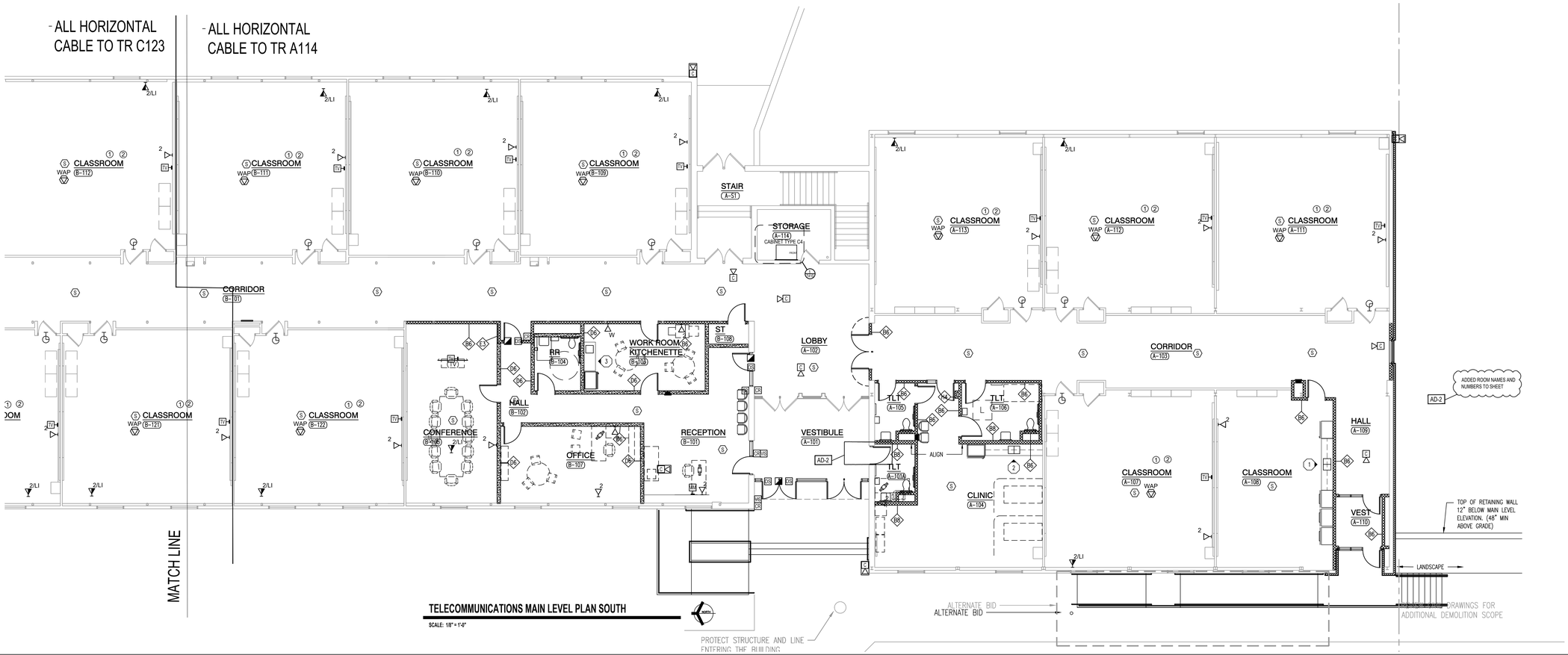
DRAWING
TELECOMMUNICATIONS LOWER LEVEL PLAN

PROJECT
NEW ADMINISTRATION CENTER, ALTERNATIVE EDUCATION & RESOURCE CENTER, AND RELATED WORK

SHEET
AR T-110





PLAN NOTES:

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2. EXISTING WIRELESS ACCESS POINT(S) TO REMAIN PROVIDE NEW DATA CABLE.
3. NOT USED

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NEW ADMINISTRATION CENTER, ALTERNATIVE EDUCATION & RESOURCE CENTER, AND RELATED WORK

CROWN POINT COMMUNITY SCHOOL CORPORATION
CROWN POINT, INDIANA

KEY PLAN

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PROJECT 21-115
DATE 04/15/22
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CHECKED BY TKP

BICSI DESIGNED TELECOMMUNICATIONS DISTRIBUTION DESIGNER
Brian K Scott
BICSI ID # 1140338
EXPIRES 12-31-24
RCDD

REVISIONS

MARK	DATE	ISSUED FOR
AD-2	5/5/22	ADDENDUM 2

DRAWING
TELECOMMUNICATIONS MAIN LEVEL PLAN

PROJECT
NEW ADMINISTRATION CENTER, ALTERNATIVE EDUCATION & RESOURCE CENTER, AND RELATED WORK

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SHEET
AR T-111

Tuesday, 5/3/2022 - 5:44 PM - LAST SAVED BY:TKPOO
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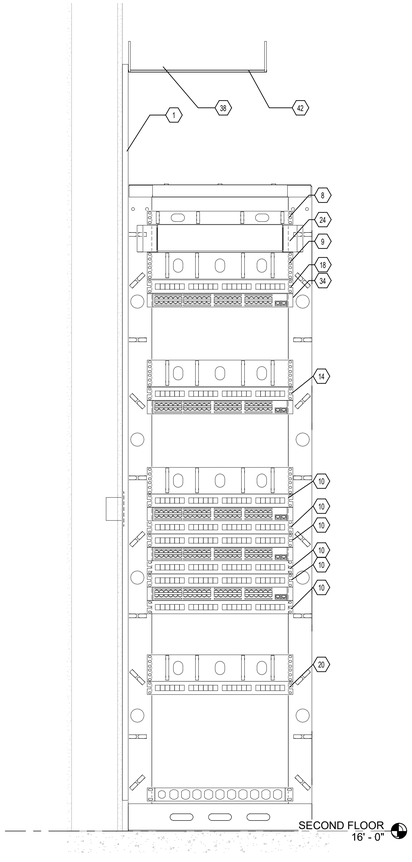
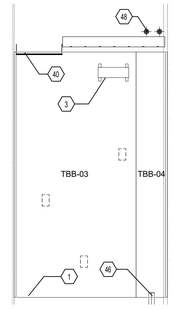
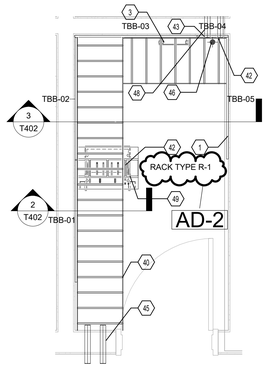
Keynote Legend	
Key Value	Keynote Text
1	TELECOMMUNICATIONS BACKBOARD; 4' X 8' MOUNTED VERTICALLY AT 6" AFF (TYPICAL).
3	GROUNDING BUSBAR.
8	WIRE MANAGEMENT PANEL 1 RU (TYPICAL)
9	WIRE MANAGEMENT PANEL 2 RU (TYPICAL)
10	24 PORT HORIZONTAL PATCH PANEL
14	24 PORT WIRELESS ACCESS POINT PANEL
18	24 PORT SECURITY PANEL
20	24 PORT DIST SYS PANEL
24	FIBER OPTIC PATCH PANEL 2 RU
34	NETWORK SWITCH (BY OWNER) (TYPICAL)
38	LADDER RACK/CABLE RUNWAY (TYPICAL).
40	18" LADDER RACK/CABLE RUNWAY (TYPICAL).
42	RADIUS CONTROL DEVICE(S) WHERE CABLE DROPS FROM PATHWAY (TYPICAL).
43	VERTICALLY MOUNTED LADDER RACK/CABLE RUNWAY (TYPICAL).
45	SLEEVES, 4" (TYPICAL).
46	SLEEVES THROUGH FLOOR, 4" (TYPICAL).
48	CONDUITS, SEE FLOORPLAN FOR CONTINUATION.
49	FRONT OF RACKS.



2 T402 TELECOM ROOM 223 RACK LAYOUT
1" = 1.5'



3 T402 SECOND FLOOR TELECOM ROOM NORTH
1/2" = 1'-0"



1 T402 TELECOMMUNICATIONS ROOM 223 ENLARGED
1/2" = 1'-0"

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PROJECT:

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Bicsi
Brian K Scott
BICSI ID # 114038
EXPIRES 12-31-24
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DRAWING
TELECOMMUNICATIONS ROOM 223 ENLARGED

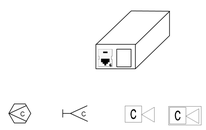
PROJECT
NEW ADMINISTRATION CENTER, ALTERNATIVE EDUCATION & RESOURCE CENTER, AND RELATED WORK

AD

SHEET
T402

ER/TR TERMINATION SHALL BE ON SECURITY/SPECIAL USE PANEL WHERE EQUIPPED; SEE RACK LAYOUT FOR DETAILS

REFERENCE TERMINATION AND COLOR CODING CHART FOR CABLE AND JACK COLORS



(1) SINGLE OR DUAL PORT SURFACE JACK HOUSING (MOUNTED AS DIRECTED)
(1) RJ45 8P 8C MOD JACK; (1) 4 PAIR CABLE TO ER/TR

COORDINATE FINAL TERMINATION WITH EQUIPMENT VENDOR

271513

10 ABOVE CEILING OUTLET 1 - CAM
NTS

(NOTE: WAP SUBSCRIPT SHALL HAVE CABLE TERMINATED ON "WAP" SPECIAL USE PANEL IN ER/TR) – CAT 6A UNLESS SPECIFICALLY OTHERWISE NOTED

REFERENCE TERMINATION AND COLOR CODING CHART FOR CABLE AND JACK COLORS

(1) TWO PORT JACK HOUSING
(2) RJ45 JACK INSERT; (2) 4 PR CABLE TO ER/TR
(1) PLENUM RATED RJ45 TO RJ45 5' PATCH CABLE

NOTE: PLENUM AIR RETURN AREAS: HOUSING SHALL BE PLENUM RATED OR COMPLETELY WRAP JACK ASSEMBLY WITH UNIFRAX FYREWRAP 0.5 PLENUM INSULATION

271513

9 ABOVE CEILING OUTLET 2 - WAP
NTS

WORKSTION OUTLET (FACEPLATE) NOTES: (THIS DETAIL)

A. OUTLET REQUIREMENTS WHERE POWER/COMMUNICATIONS MULTI-COMPARTMENT SURFACE RACEWAY IS REQUIRED SHALL SUBSTITUTE TWO (2) 4-PORT JACK FRAMES AND FACEPLATE(S) IN PLACE OF THE DOUBLE GANG FACEPLATES SHOWN ON THIS DRAWING. ADDITIONAL FACEPLATES SHALL BE CUT-IN ADJACENT TO FULFILL THE OUTLET PORT REQUIREMENT. OUTLET LOCATIONS REQUIRING FOUR (4) OR FEWER PORTS SHALL UTILIZE A SINGLE 4 PORT JACK FRAME AND FACEPLATE.

B. ALL CABLES USED FOR DATA SHALL BE TERMINATED ON "HORIZONTAL DATA" PATCH PANELS IN THE ER/TR. ALL CABLES USED FOR VOICE SHALL BE TERMINATED ON "HORIZONTAL VOICE" PATCH PANELS IN THE ER/TR. ALL WIRELESS ACCESS POINT CABLES WILL BE TERMINATED ON A "SPECIAL USE" PATCH PANELS IN THE ER/TR. ALL CABLES USED FOR CONTROL SHALL BE TERMINATED ON "SPECIAL USE" PATCH PANELS IN THE ER/TR.

C. SOLID TRIANGLES DENOTE VOICE (TELEPHONE) REQUIREMENTS. HOLLOW TRIANGLES DENOTE DATA REQUIREMENTS. HALF SOLID TRIANGLES DENOTE VOICE AND DATA REQUIREMENTS; UNLESS NOTED OTHERWISE*. EACH HALF SOLID TRIANGLE WILL RECEIVE ONE VOICE JACK AND THE REMAINDER WILL BE DATA.

*NOTATIONS WILL BE SUBSCRIPTS TO THE SYMBOL; xV WHERE x IS THE QUANTITY OF VOICE CABLES AND xD WHERE x IS THE QUANTITY OF DATA CABLES.

D. ALL DECORA STYLE JACK FRAMES SHALL MATCH ELECTRICAL DEVICE COLOR.

E. JACK COLOR-CODING WILL BE AS LISTED IN CABLE AND TERMINATION CHART ON LABELING AND TERMINATION DETAIL SHEET.

F. CABLE COLOR-CODING WILL BE AS LISTED IN CABLE AND TERMINATION CHART ON LABELING AND TERMINATION DETAIL SHEET.

G. COORDINATE PROPER MOUNTING DEVICE FOR USE WITH FLOORBOX/POKE THROUGH DEVICES PROVIDED BY OTHERS.

271513

ADDED SHEET T501
OUTLET DETAILS TO DRAWINGS.

AD-2

REFERENCE TERMINATION AND COLOR CODING CHART FOR CABLE AND JACK COLORS

ELEV BAS FACP
FACP ELEV BAS

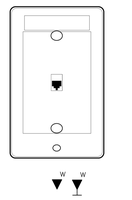
(1) DUAL PORT SURFACE JACK (MOUNTED AS DIRECTED)
(1) RJ45 8P 8C MOD JACK; (1) 4 PAIR CABLE TO ER/TR

COORDINATE FINAL TERMINATION WITH EQUIPMENT VENDOR

271513

8 PANEL SERVICE OUTLET
NTS

REFERENCE TERMINATION AND COLOR CODING CHART FOR CABLE AND JACK COLORS



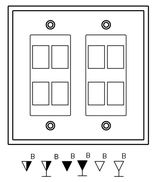
W W

(1) SINGLE GANG SS FACEPLATE W/ MTG STUDS
(1) 8P 8C MOD JACK; 4 PAIR CABLE TO ER/TR

271513

7 SINGLE GANG FP WALL PHONE
NTS

WHERE DEVICE IS LOCATED IN A SPECIAL MOUNTING ARRANGEMENT SUCH A A FLOORBOX OR TELEPOWER POLE. UTILIZE INTEGRAL FACEPLATE IN LIEU OF STANDARD SINGLE GANG FACEPLATE.



B B B B B B

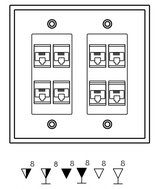
(1) DOUBLE GANG SS FACEPLATE (DECORA STYLE)
(2) 4 PORT DECORA STYLE MODULE FRAMES
(8) 1 PORT BLANKS

271513

6 DOUBLE GANG FP BLANK
NTS

WHERE DEVICE IS LOCATED IN A SPECIAL MOUNTING ARRANGEMENT SUCH A A FLOORBOX OR TELEPOWER POLE. UTILIZE INTEGRAL FACEPLATE IN LIEU OF STANDARD SINGLE GANG FACEPLATE.

REFERENCE TERMINATION AND COLOR CODING CHART FOR CABLE AND JACK COLORS



8 8 8 8 8 8

(1) DOUBLE GANG SS FACEPLATE (DECORA STYLE)
(2) 4 PORT DECORA STYLE MODULE FRAME
(2) 1 PORT BLANKS
(8) RJ45 UTP JACK INSERTS; 4 PR UTP CABLES TO ER/TR

SYMBOL SUBSCRIPTS MAY INDICATE A QUANTITY(AS SHOWN OR A #D INDICATING DATA AND #V INDICATING VOICE. THE ADDITION OF THE D AND V CABLES WOULD INDICATE THE TOTAL 4 PAIR CABLES TO THE OUTLET.

271513

5 DOUBLE GANG FP 8
NTS

WHERE DEVICE IS LOCATED IN A SPECIAL MOUNTING ARRANGEMENT SUCH A A FLOORBOX OR TELEPOWER POLE. UTILIZE INTEGRAL FACEPLATE IN LIEU OF STANDARD SINGLE GANG FACEPLATE.

REFERENCE TERMINATION AND COLOR CODING CHART FOR CABLE AND JACK COLORS

6 6 6 6 6 6 6

(1) DOUBLE GANG SS FACEPLATE (DECORA STYLE)
(2) 4 PORT DECORA STYLE MODULE FRAME
(2) 1 PORT BLANKS
(6) RJ45 UTP JACK INSERTS; 4 PR UTP CABLES TO ER/TR

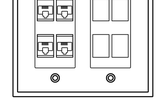
SYMBOL SUBSCRIPTS MAY INDICATE A QUANTITY(AS SHOWN OR A #D INDICATING DATA AND #V INDICATING VOICE. THE ADDITION OF THE D AND V CABLES WOULD INDICATE THE TOTAL 4 PAIR CABLES TO THE OUTLET.

271513

4 DOUBLE GANG FP 6
NTS

WHERE DEVICE IS LOCATED IN A SPECIAL MOUNTING ARRANGEMENT SUCH A A FLOORBOX OR TELEPOWER POLE. UTILIZE INTEGRAL FACEPLATE IN LIEU OF STANDARD SINGLE GANG FACEPLATE.

REFERENCE TERMINATION AND COLOR CODING CHART FOR CABLE AND JACK COLORS



4 4 4 4 4 4 4

(1) DOUBLE GANG SS FACEPLATE (DECORA STYLE)
(2) 4 PORT DECORA STYLE MODULE FRAME
(4) 1 PORT BLANKS
(4) RJ45 UTP JACK INSERTS; 4 PR UTP CABLES TO ER/TR

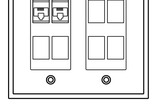
SYMBOL SUBSCRIPTS MAY INDICATE A QUANTITY(AS SHOWN OR A #D INDICATING DATA AND #V INDICATING VOICE. THE ADDITION OF THE D AND V CABLES WOULD INDICATE THE TOTAL 4 PAIR CABLES TO THE OUTLET.

271513

3 DOUBLE GANG FP 4
NTS

WHERE DEVICE IS LOCATED IN A SPECIAL MOUNTING ARRANGEMENT SUCH A A FLOORBOX OR TELEPOWER POLE. UTILIZE INTEGRAL FACEPLATE IN LIEU OF STANDARD SINGLE GANG FACEPLATE.

REFERENCE TERMINATION AND COLOR CODING CHART FOR CABLE AND JACK COLORS



2 2 2 2 2 2

(1) DOUBLE GANG SS FACEPLATE (DECORA STYLE)
(2) 4 PORT DECORA STYLE MODULE FRAMES
(6) 1 PORT BLANKS
(2) RJ45 UTP JACK INSERTS; 4 PR UTP CABLES TO ER/TR

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271513

2 DOUBLE GANG FP 2
NTS

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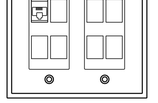
REFERENCE TERMINATION AND COLOR CODING CHART FOR CABLE AND JACK COLORS



1 1 1 1

(1) DOUBLE GANG SS FACEPLATE (DECORA STYLE)
(2) 4 PORT DECORA STYLE MODULE FRAMES
(7) 1 PORT BLANKS
(1) RJ45 UTP JACK INSERT; 4 PR UTP CABLE TO ER/TR

SYMBOL SUBSCRIPTS MAY INDICATE A QUANTITY(AS SHOWN OR A #D INDICATING DATA AND #V INDICATING VOICE. THE ADDITION OF THE D AND V CABLES WOULD INDICATE THE TOTAL 4 PAIR CABLES TO THE OUTLET.

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1 DOUBLE GANG FP 1
NTS

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PROJECT:

NEW ADMINISTRATION CENTER, ALTERNATIVE EDUCATION & RESOURCE CENTER, AND RELATED WORK

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CROWN POINT, INDIANA

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PROJECT
21-115
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04/15/22
COORDINATED BY
Designer
DRAWN BY
Author
CHECKED BY
Checker

REGISTERED COMMUNICATIONS DISTRIBUTION DESIGNER
BICSI
Brian K Scott
BICSI ID # 114038
EXPIRES 12-31-24
RCDD

REVISIONS

MARK	DATE	ISSUED FOR
AD-2	5/5/22	ADDENDUM 02

DRAWING
OUTLET DETAILS

PROJECT
NEW ADMINISTRATION CENTER, ALTERNATIVE EDUCATION & RESOURCE CENTER, AND RELATED WORK

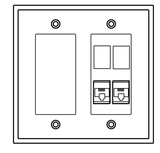
SHEET
T501

ADDED SHEET T502
OUTLET DETAILS TO DRAWINGS.

AD-2

WHERE DEVICE IS LOCATED IN A SPECIAL MOUNTING ARRANGEMENT SUCH A A FLOORBOX OR TELEPOWER POLE, UTILIZE INTEGRAL FACEPLATE IN LIEU OF STANDARD FACEPLATE.

REFERENCE TERMINATION AND COLOR CODING CHART FOR CABLE AND JACK COLORS



(1) MULTI-GANG SS FACEPLATE WITH (DECORA STYLE) OPENINGS
(1) 4 PORT DECORA STYLE MODULE FRAMES
(1) 1 PORT BLANK
(2) RJ45 UTP JACK INSERTS; 4 PR UTP CABLES TO ER/TR (HORIZONTAL PANEL)

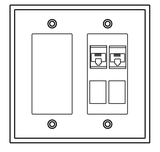
(1) DECORA BLANK FOR FUTURE CABLE TO LO OUTLET (PROJ OR TV)

271513

2 TV OR PROJECTOR LOCAL OUTPUT
NTS

WHERE DEVICE IS LOCATED IN A SPECIAL MOUNTING ARRANGEMENT SUCH AS A FLOORBOX OR TELEPOWER POLE, UTILIZE INTEGRAL FACEPLATE IN LIEU OF STANDARD FACEPLATE.

REFERENCE TERMINATION AND COLOR CODING CHART FOR CABLE AND JACK COLORS



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(1) DECORA BLANK FOR FUTURE CABLE TO LO OUTLET (PROJ OR TV)

271513

1 TV OR PROJECTOR LOCAL INPUT
NTS

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21-115
DATE
04/15/22
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Designer
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REGISTERED COMMUNICATIONS DISTRIBUTION DESIGNER
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Brian K Scott
BICSI ID # 1141038
EXPIRES 12-31-24
RCDD

REVISIONS

MARK	DATE	ISSUED FOR
AD-2	5/5/22	ADDENDUM 02

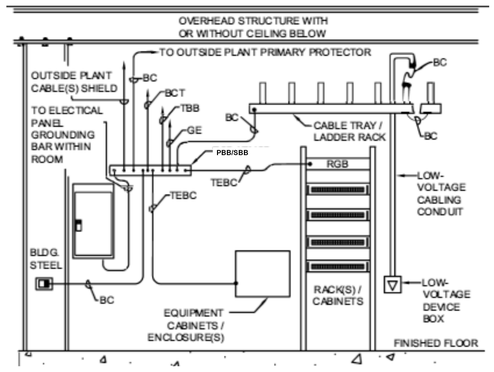
DRAWING
OUTLET DETAILS

PROJECT
NEW ADMINISTRATION CENTER, ALTERNATIVE EDUCATION & RESOURCE CENTER, AND RELATED WORK

SHEET
T502

ADDED SHEET T503
ROOM DETAILS TO DRAWINGS.

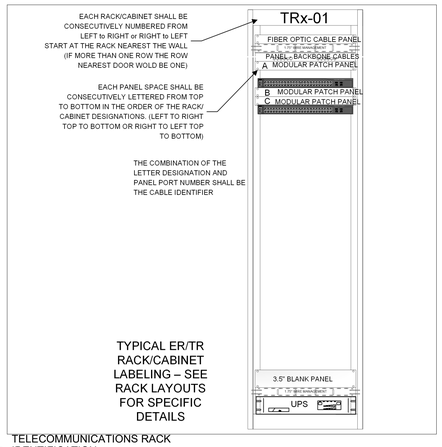
AD-2



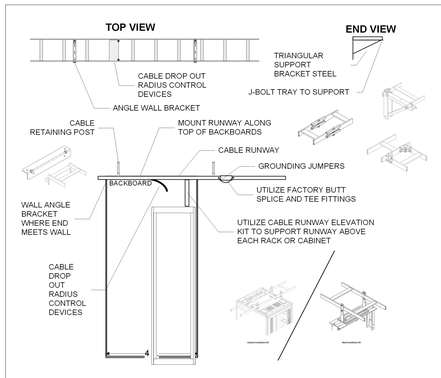
ROOM GROUNDING NOTES

1) PROVIDE GROUNDING AND BONDING IN COMPLIANCE WITH TIA-607-C STANDARD.
2) SIZE CONDUCTORS IN ACCORDANCE WITH THE STANDARD, BUT NOT LESS THAN THE SIZES HEREIN SPECIFIED. CONDUCTORS SHALL BE INSULATED COPPER.
3) REFER TO STANDARD AND COMMUNICATIONS GROUND AND BONDING BACKBONE DETAIL FOR ADDITIONAL REQUIREMENTS.
4) ALL METALLIC ITEMS INSTALLED BELOW THE CEILING LINE SHALL BE BONDED TO GROUND.

3 TELECOMMUNICATIONS ROOM GROUNDING DETAILS
NTS



2 TELECOMMUNICATIONS RACK IDENTIFICATION
NTS



ROOM NOTES – TYPICAL OF ALL TELECOMMUNICATIONS ROOMS

1) ENLARGED FLOOR PLAN ARE PRESENTED DIAGRAMMATICALLY. ALL DIMENSIONS SHOULD BE VERIFIED IN THE FIELD.
2) CABINETS SHALL HAVE A MINIMUM OF 36" CLEARANCE IN FRONT AND REAR OF EACH CABINET.
3) RACKS SHALL HAVE A MINIMUM OF 40" CLEARANCE IN REAR AND 24" IN FRONT OF EACH RACK.
4) TELECOMMUNICATIONS BACKBOARDS SHALL BE ATTACHED TO THE WALL IN POSITIONS AS SHOWN IN THE ENLARGED FLOORPLAN DETAILS.
5) STANDARD TELECOMMUNICATIONS BACKBOARDS SHALL BE 4' WIDE BY 8' TALL. EACH BACKBOARD SHALL BE ¾" A-C GRADE PLYWOOD COATED ON THE EXPOSED FRONT AND ALL EDGES WITH 2 COATS OF WHITE FIRE-RETARDANT PAINT.
6) EACH BACKBOARD SHALL BE MOUNTED VERTICALLY UTILIZING THREE BOLTS (TOP, MIDDLE, AND BOTTOM) OF EACH STUD IN WALL. BACKBOARDS SHALL BE MOUNTED WITH THE BOTTOM EDGE SQUARE AND LEVEL ¼" ABOVE THE BASEBOARD OR 6" ABOVE FINISHED FLOOR (WHICHEVER IS LOWER).
7) WHERE A FULL SIZE BACKBOARD CANNOT BE UTILIZED, A STANDARD BACKBOARD SHALL BE CUT TO FIT THE SPACE. ALL EDGES SHALL BE RE-PAINTED.
8) WHERE BACKBOARDS ARE MOUNTED OVER DEVICES (SUCH AS SWITCHES AND OUTLETS) THE BACKBOARD SHALL BE CUT TO ALLOW THE ENTIRE DEVICE TO BE REVEALED PLUS ¼" TRIM SPACE ON EACH SIDE.
9) CABLE RUNWAY SHALL BE PROVIDED AS SHOWN IN THE ENLARGED FLOOR PLAN. CABLE RUNWAY SHALL BE SUPPORTED PRIMARILY BY BRACKETS SECURELY MOUNTED TO THE BACKBOARDS. RUNWAY ELEVATION KITS ALLOW RUNWAY SUPPORT ABOVE CABINETS AND RACKS.
10) EACH RUNWAY SECTION SHALL BE SUPPORTED EVERY 5' OR LESS AND WITHIN 2' OF SPLICES AND INTERSECTIONS.
11) PROVIDE 6" CABLE RETAINING POSTS AT APPROXIMATELY 4' SPACING AND IN LOCATIONS NECESSARY TO PREVENT CABLES FROM LEAVING RUNWAY.
12) RACKS AND/OR CABINETS ARE SHOWN SEPARATED FOR CLARITY. EXACT POSITIONING OF RACKS/ CABINETS IS SHOWN ON THE ENLARGED FLOOR PLANS. ADJACENT RACKS AND/OR CABINETS SHALL BE GANGED TOGETHER UTILIZING MANUFACTURER'S RECOMMENDATIONS.
13) CABINETS SHALL REQUIRE SIDE PANELS AT THE END OF EACH ROW OR WHERE A CHANGE OF DEPTH EXPOSES A CABINET SIDE. CABINETS SHALL BE PROVIDED WITH ALL ACCESSORIES AS SPECIFIED.
14) CABINETS ARE SHOWN AS 44 RU (AS BASIS OF DESIGN). STANDARD RACKS ARE SHOWN AS 45 RU (AS BASIS OF DESIGN).
15) PROVIDE PATCH PANEL IN QUANTITES AS REQUIRED TO TERMINATE OUTLET REQUIREMENTS AS SHOWN ON THE FLOOR PLANS
16) PROVIDE GROUND BAR MOUNTED ON REAR RAILS OF EVERY RACK OR CABINET.
17) PROVIDE ONE ENIROMENTAL MONITOIRING UNIT IN EACH TELECOMMUNICATION ROOM

ROOM DETAILS

1 TELECOMMUNICATIONS ROOM DETAILS
NTS

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