ADDENDUM NO. 2

August 7, 2026

Perry Township Schools:
Southport High School Addition & Renovation Phase 2 (Classroom Addition and Athletic Renovations)
971 E. Banta Road
Indianapolis, IN 46227

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 July 10, 2026, by Lancer Associates Architecture. 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 through ADD 2-4, and Lancer Associates Architecture Addendum No. 2, dated August 6, 2026, consisting of nine (9) pages, Specification Sections 27 41 16, 32 13 13, and Addendum 2 Drawings: AD101K, AD101O, AD102O, A101K, A101O, A101P, A102O, A102P, A122O, A204, A205, A206, A304, A404, A720, A721P, A722O, A722P, A761, A762, A764, PF105, PP104, PP105, PP107, P-401, P-601, P-901, P-902, E-601, TD102B, TD102K, TD102L, T101K, T101L, T305, T308

A. **SPECIFICATION SECTION 00 00 20 - TABLE OF CONTENTS**

1. **Replace the following Specification Sections:**
   Specification Section 27 41 16 Integrates Audio Video Systems and Equipment
   Specification Section 32 13 13 Concrete Paving

B. Specification Section 00 20 00 – INFORMATION AVAILABLE TO BIDDERS

Add:

E. The Pre-Bid meeting presentation is available to bidders at www.skilmanplanroom.com.

F. Pre-Award Meetings listed below via Microsoft TEAMS. Meeting invite to be distributed at a later date. All times are Eastern.

Monday August 24th, 2026
08:00 AM - 01: SITEWORK/UTILITIES/LANDSCAPE
09:00 AM - 03: MASONRY
09:30 AM - 04: STRUCTURAL STEEL
10:00 AM - 05: ROOFING
10:30 AM - 13: FIRE PROTECTION
11:00 AM - 14: PLUMBING & MECHANICAL
01:00 PM - 15: ELECTRICAL & TECHNOLOGY

Tuesday August 25th, 2026
08:00 AM - 06: ALUMINUM STOREFRONTS/GLAZING
08:30 AM - 07: METAL STUDS/DRYWALL/CEILINGS
11:00 AM - 08: TERRAZZO
11:30 AM - 09: FLOORING & TILE
01:00 PM - 10: PAINTING & Wall Covering
01:30 PM - 11: CASEWORK
02:00 PM - 12: FOOD SERVICE
03:00 PM - 02: GENERAL TRADES

C. **SPECIFICATION SECTION 01 12 00 MULTIPLE CONTRACT SUMMARY**

1. Paragraph 3.03 Bid Categories

A. Bid Category No. 1 – Sitework, Utilities, Landscape

Add the following Specification Sections:

01 55 00 Access Roads and Parking Areas
01 56 80 Erosion Control
01 72 00 Field Engineering (As Applicable)

Add the following Clarifications:

13. Provide all Landscaping work indicated for all phases of the project.

B. Bid Category No. 2 – General Trades

Add the following Specification Sections:

01 53 30 Barricades (As Applicable)
01 72 00 Field Engineering (As Applicable)
05 50 00 Metal Fabrications (As Applicable)
06 40 00 Architectural Woodwork

12 36 61 Solid Surface Fabrication (As Applicable)

Add the following Clarifications:

13. Reference section 12 32 16 Plastic Laminate Casework; All Plastic Laminate and Solid Surface Fabrications required under this section shall be provided by the Casework Contractor. All remaining Plastic Laminate and Solid Surface Fabrications indicated in construction documents shall be provided by the General Trades Contractor.
14. All steel bollards shall be furnished by Bid Category 4 & installed by Bid Category 2.
15. Reference Detail 4/S502 and Sheet SD100; Provide Geofoam Structural fill below slab.

D. Bid Category No. 4 – Structural Steel

Add the following Specification Sections:

01 53 30 Barricades (As Applicable)

Add the following Clarifications:

4. All steel bollards shall be furnished by Bid Category 4 & installed by Bid Category 2.

F. Bid Category No. 6 – Glass & Glazing

Add the following Specification Sections:

08 71 00 Hardware (as Applicable)

G. Bid Category No. 7 – Metal Studs, Drywall, Ceilings

Delete the following Specification Sections:

06 40 00 Architectural Woodwork

K. Bid Category No. 11 – Casework

Add the following Clarifications:

1. Reference section 12 32 16 Plastic Laminate Casework; All Plastic Laminate and Solid Surface Fabrications required under this section shall be provided by the Casework Contractor. All remaining Plastic Laminate and Solid Surface Fabrications indicated in construction documents shall be provided by the General Trades Contractor.

N. Bid Category No. 14 – Plumbing & Mechanical

Add the following Specification Sections:

01 51 30 Temporary Heating, Ventilation and Cooling

O. Bid Category No. 15 – Electrical & Technology

Add the following Specification Sections:

01 51 10 Temporary Electricity, Lighting and Warning Systems

D. **SPECIFICATION SECTION 01 32 00 – SCHEDULES AND REPORTS**

Revise 1.03 GUIDELINE SCHEDULE – A:

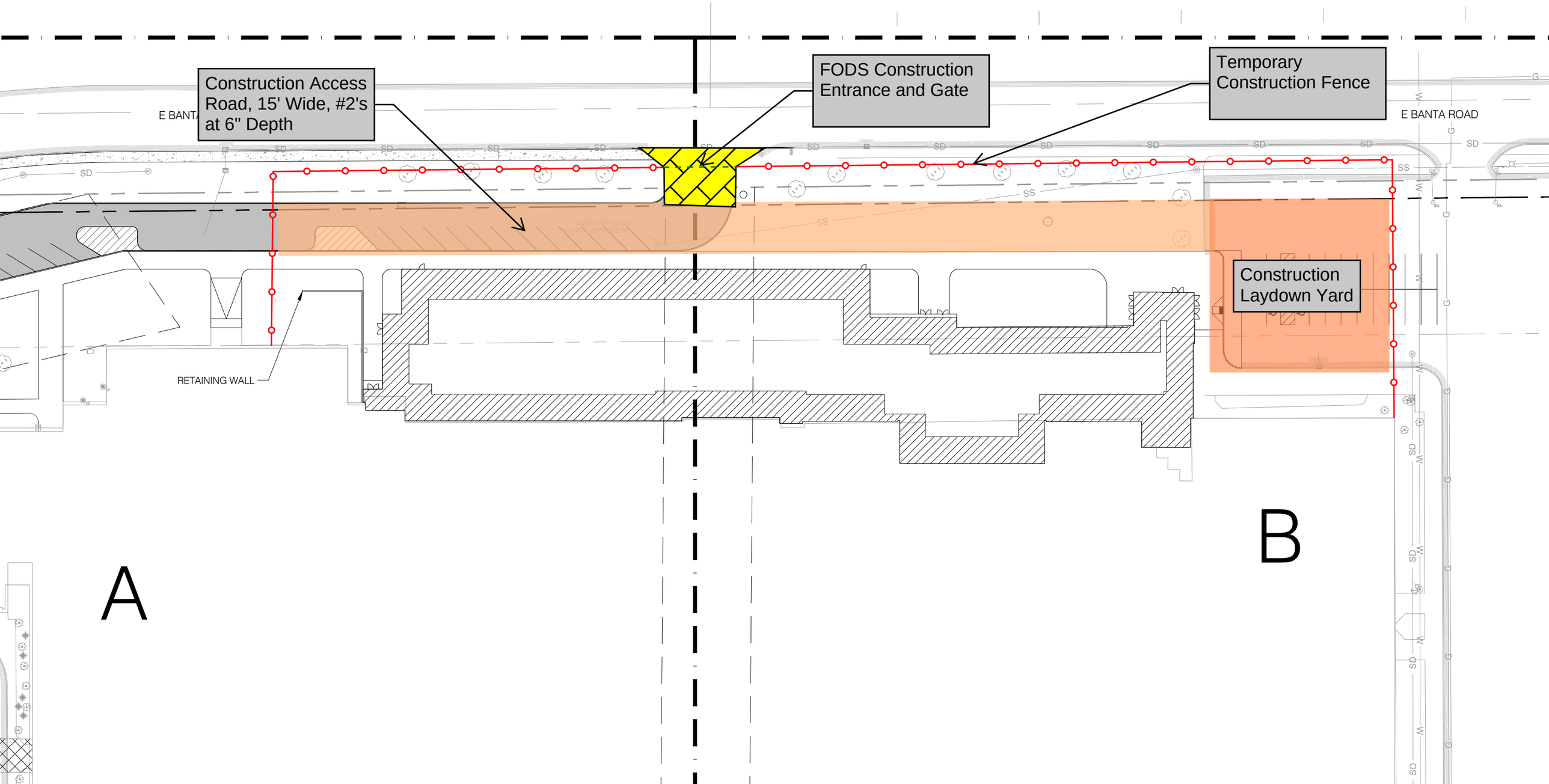
3. December 21, 2026 – July 14, 2028

Replace:

01 32 00d Site Logistics Plan with the revised Site Logistics Plan

Southport High School Phase 2 Site Logistics Plan

Addendum 2



Phase 2: ADDENDUM NO. 2 (TWO)

PROJECT:	**Perry Township Southport High School Addition & Renovations, Phase 2**
PROJECT NUMBER:	**24173**
DATE OF ADDENDUM:	**August 6, 2026**



THIS ADDENDUM FORMS A PART OF THE CONTRACT DOCUMENTS AND IS ISSUED IN ACCORDANCE WITH THE INSTRUCTIONS TO BIDDERS. ACKNOWLEDGE RECEIPT OF THIS ADDENDUM BY SIGNING THE ADDENDUM ACKNOWLEDGMENT SECTION OF THE BID FORM.

GENERAL NOTIFICATIONS:

1. Not Used

QUESTIONS & ANSWERS:

1. Q: Specs state the material must meet the NFPA 286 standard for Fire Rating. This will be significantly more expensive and is typically not needed unless mandated by local Fire Code. Please confirm if this is intended/required.

   A: If referring to HDPE material, it must comply with the NFPA 286 Standard for Fire Rating. Class A.

2. Q: Is White Portland Cement required.

   A: White Portland is not required on the project. Specification section 321313 has been updated.

ADDITIONAL APPROVED MANUFACTURERS:

1. Section 10 51 13 Standard Metal Lockers
   a. Manufacturer: Add List Industries (Classic KD Wardrobe Lockers) to paragraph 2.01.A of section 10 51 13.
2. Section 07 27 26 Air / Water Resistive Barrier
   a. Manufacturer: Add TK Product (TK-AirMAx 2104) to the paragraph 2.1.A.3 of section 07 27 26

SPECIFICATIONS:

1. Spec Section: 22 13 16
   Spec Title: SANITARY WASTE AND VENT PIPING
   a. 3.10 PIPING SCHEDULE, E, 2. Revise to read as follows: Solid-wall PVC pipe, PVC socket fittings, and solvent-cemented joints. Dissimilar Pipe-Material Couplings: Shielded, nonpressure transition couplings.

2. Spec Section: 11 40 00
   Spec Title: Food Service Equipment Specification

   Item #69 - Hospitality Back Work Counter

- Replace entire cabinet base specification verbiage with the following:
   3. Base:
      a. 16 ga. stainless steel where exposed with galvanized steel structural framing members
      b. 3/4” marine-grade plywood laminated exterior panels with matching vinyl edge banding
         1. Laminate: Selected by Owner/Architect from manufacturer’s standard collection
         2. Vertical outside corners to have 3/4”x3/4” stainless steel corner guards
         3. Underside of laminate to have stainless steel protector strip (see detail on FS5.0)
            (see next page)

   Item #85 - Spare Number

- Delete in its entirety and replace with the following..

   Item #85 Ice Maker With Bin

Quantity: One (1)
Mfgr: Scotsman Ice, Manitowoc Ice, Hoshizaki Ice
Model: UN324A-1

Furnish and install where shown, complete with all standard accessories and as follows:

1. One (1) cord and plug set to be installed by electrical contractor in the field
2. One (1) factory supplied, or factory recommended water filtration system to include one (1) complete set of replacement cartridges and water filter mounting bracket
3. Location for installation to be coordinated with architectural drawings in Training Room (L142)

3. Spec Section: 27 41 16
   Spec Title: INTEGRATED AUDIO VIDEO SYSTEMS AND EQUIPMENT

   Change: Added subsection
   - 1.1.D.15
   - 1.1.D.34
   - 2.34
   - 3.4.C.1.r

   Change: Revised subsection numbering
   - 1.1.D.16 through 1.1.D.33 based on insertion of 1.1.D.15.

4. Spec Section: 32 13 13
   Spec Title: CONCRETE PAVING
   a. Replace section complete with the attached in this addendum.

DRAWINGS:

1. Drawing Sheet Number: AD101K
   Drawing Sheet Title: DEMOLITION PLAN – FIRST FLOOR - UNIT K

   Change:
   - Revised location of east wall of laundry room. Also see sheet A101K..
   - Add existing to remain casework that was omitted from drawing.

2. Drawing Sheet Number: AD101O
   Drawing Sheet Title: DEMOLITION PLAN – FIRST FLOOR - UNIT O

   Change:
   - Modify boundary of work scope.
   - Add demolition keynotes 2, 3, 6 and 9 as indicated.

3. Drawing Sheet Number: AD102O
   Drawing Sheet Title: DEMOLITION PLAN – FIRST FLOOR - UNIT O

   Change:
   - Modify boundary of work scope.
   - Add demolition keynotes 2, and 6 as indicated.

4. Drawing Sheet Number: A101K
   Drawing Sheet Title: FLOOR PLAN – FIRST FLOOR – UNIT K

   Change:
   - Revise location of east wall of laundry room K150. Revert to existing condition due to plumbing infrastructure supporting machines in the room.
   - Added existing to remain casework and identify infall wall and north side of room L174

5. Drawing Sheet Number : A101O
   Drawing Sheet Title: FLOOR PLAN – FIRST FLOOR – UNIT O

   Change:
   - Revise extent of work to include corridor F114; connects to O106.
   - Keynotes added. Note: Some notes relocated to accommodate keynotes.
   - Dimension strings added for the exterior walls inside the courtyard.

6. Drawing Sheet Number : A101P
   Drawing Sheet Title: FLOOR PLAN – FIRST FLOOR – UNIT P

   Change:
   - Add keynote 40 as indicated.

7. Drawing Sheet Number : A102O
   Drawing Sheet Title: FLOOR PLAN – SECOND FLOOR – UNIT O

   Change:
   - Add keynote 41 as indicated.
   - Add dimension strings
   - Add detail callouts at O212 connection existing building.
   - Add wall tags

8. Drawing Sheet Number : A102P
   Drawing Sheet Title: FLOOR PLAN – SECOND FLOOR – UNIT P

   Change:
   - Add casework/ millwork to art classrooms, including sinks.
   - Add dimension strings
   - Add detail callouts at O212 connection existing building.
   - Revised location of door into Art Storage Room.

9. Drawing Sheet Number: A122O
   Drawing Sheet Title: REFLECTED CEILING PLAN – SECOND FLOOR – UNIT O

   Change:
   - Add noted to clarify ceiling height and material where new meet existing building.

10. Drawing Sheet Number : A204
    Drawing Sheet Title: EXTERIOR ELEVATIONS

    Change:
    - Add transparency calculations per City of Indy drawing requirements.

11. Drawing Sheet Number : A205
    Drawing Sheet Title: EXTERIOR ELEVATIONS

    Change:
    - Add transparency calculations per City of Indy drawing requirements.

12. Drawing Sheet Number : A206
    Drawing Sheet Title: EXTERIOR ELEVATIONS

    Change:
    - Add transparency calculations per City of Indy drawing requirements.
    - Add keynotes to elevation 6 and 7.

13. Drawing Sheet Number: A304
    Drawing Sheet Title: BUILDING SECTION

    Change:
    - Modify location of steps.
    - Add bulkhead wall between new and existing ceiling.

- Drafting clean up work.

14. Drawing Sheet Number: A404
    Drawing Sheet Title: VERTICAL CIRCULATION

    Change: Updated material tags
    - Add section callout 3/402
    - Clarified expansion joint notation; including deletion of notes.
    - Add section detail 3/A/402 to sheet

15. Drawing Sheet Number: A720
    Drawing Sheet Title: FINISH LEGEND

    Change:
    - Added finish material and information for solid surface, SS-2.

16. Drawing Sheet Number: A721P
    Drawing Sheet Title: INTERIOR FINISH PLAN – FIRST FLOOR – UNIT P

    Change:
    - Added floor plan keynote 19.
    - Revised keynote calling out display cases.

17. Drawing Sheet Number: A722O
    Drawing Sheet Title: INTERIOR FINISH PLAN – SECOND FLOOR – UNIT O

    Change:
    - Revised finishes for casework in art rooms and art storage.

18. Drawing Sheet Number: A722P
    Drawing Sheet Title: INTERIOR FINISH PLAN – SECOND FLOOR – UNIT P

    Change:
    - Revised finishes for casework in art rooms and art storage.

19. Drawing Sheet Number: A761
    Drawing Sheet Title: CASEWORK ELEVATIONS

    Change:
    - Revised casework layout in elevation 9/A761.
    - Removed casework elevation 8/A761.
    - Added keynotes 15 and 16. Applies to all interior elevation sheets.

20. Drawing Sheet Number: A762
    Drawing Sheet Title: CASEWORK ELEVATIONS

    Change:
    - Added casework elevation 8/A762.
    - Added casework elevation 9/A762.
    - Added keynotes 15 and 16. Applies to all interior elevation sheets.

21. Drawing Sheet Number: A764
    Drawing Sheet Title: CASEWORK SECTIONS

    Change:
    - Added casework section 6/A764

22. Drawing Sheet Number: E-601
    Drawing Sheet Title: ELECTRICAL EQUIPMENT SCHEDULES

    Change: Updated plan notes.
    - Added acceptable manufacturer equals for light fixtures.

23. Drawing Sheet Number: PF105
    Drawing Sheet Title: PLUMBING FOUNDATION PLAN – UNIT P

    Change: See revised piping.

24. Drawing Sheet Number: PP104
    Drawing Sheet Title: PLUMBING FIRST FLOOR PLAN – UNIT O

    Change: See revised piping.

25. Drawing Sheet Number: PP105
    Drawing Sheet Title: PLUMBING FIRST FLOOR PLAN – UNIT P

    Change: See revised piping.

26. Drawing Sheet Number: PP107
    Drawing Sheet Title: PLUMBING SECOND FLOOR PLAN – UNIT P

    Change: See new Plumbing fixtures and associated piping.

27. Drawing Sheet Number: P-401
    Drawing Sheet Title: PLUMBING ENLARGED PLAN – CULLINARY ART LAB

    Change: See revised piping.

28. Drawing Sheet Number: P-601
    Drawing Sheet Title: PLUMBING SCHEDULES

    Change: See revised COMMERCIAL SINK SCHEDULE

29. Drawing Sheet Number: P-901
    Drawing Sheet Title: PLUMBING DOMESTIC WATER ISOMETRIC

    Change: See revised piping in Culinary Art Lab.

30. Drawing Sheet Number: P-902
    Drawing Sheet Title: PLUMBING WASTE AND VENT ISOMETRIC

    Change: See revised piping in Unit P.

31. Drawing Number: TD102B
    Drawing Title: SECOND FLOOR DEMOLITION PLAN – UNIT B

    Change: Removed unused sheet note block

32. Drawing Number: TD102K
    Drawing Title: SECOND FLOOR DEMOLITION PLAN – UNIT K

    Change: Added clarifying sheet notes for devices to remain and be recabled.
    - Added sheet note #2
    - Added sheet note #2 callouts to multiple locations on sheet

33. Drawing Number: TD102L
    Drawing Title: SECOND FLOOR DEMOLITION PLAN – UNIT L

    Change: Added clarifying sheet notes for devices to remain and be recabled.
    - Added sheet note #1
    - Added sheet note #1 callouts to multiple locations on sheet

34. Drawing Number: T101K
    Drawing Title: FIRST FLOOR DISTRIBUTION PLAN – UNIT K

    Change: Added scope
    - Added J Hooks in existing fieldhouse side corridors
    - Added sleeves from fieldhouse corridor to existing classroom corridor
    - Added section callout 6/T308
    - Added sheet notes #3 and #4

35. Drawing Number: T101L
    Drawing Title: FIRST FLOOR DISTRIBUTION PLAN – UNIT L

    Change: Added scope
    - Added J Hooks in existing fieldhouse side corridors
    - Added sheet note #2

36. Drawing Number: T305
    Drawing Title: AV DIAGRAMS

    Change: Revised control processor in Lobby AV system
    - Revised diagram #9 to modify Control Processor Type and connectivity
    - Revised detail #8 to show control processor

37. Drawing Number: T308
    Drawing Title: DISTRIBUTION SECTIONS

    Change: Added view
    - Added view #6

Attachments:
Specs : 27 41 16, 32 13 13, page 6.
Dwgs:
AD101K, AD101O, AD102O, A101K, A101O, A101P, A102O, A102P, A122O, A204, A205, A206, A304, A404, A720, A721P, A722O, A722P, A761, A762, A764
PF105, PP104, PP105, PP107, P-401, P-601, P-901, P-902, E-601
TB102B.TD102K, TD102L, T101K, T101L, T305, T308

END OF ADDENDUM NO. 2 (Two), SHS Phase 2

SECTION 27 41 16 - INTEGRATED AUDIO-VIDEO SYSTEMS AND EQUIPMENT

PART 1 - GENERAL

1.1 SCOPE OF WORK

A. This section includes the minimum requirements for the installation, configuration, and training of the audio visual components as depicted on the Drawings and required by these specifications.

B. These Specifications, together with the Drawings accompanying them, are intended to depict the installation requirements necessary to support this Project. Contractor shall furnish materials shown and/or called for on the Drawings but not mentioned in the Specifications, or vice versa, that are necessary for the installation and support of communications cabling, whether or not specifically called for in both. In addition, Contractor shall provide incidental equipment and materials required for the completion of systems included in this contract whether or not specified or shown on the drawings.

C. All required cabling infrastructure including back boxes and conduit to support the AV systems are provided and installed by the contractor. Contractor is required to provide, install, test, and configure all cabling, equipment, and AV systems as described within this specification and as shown on the T-series drawings.

D. This section includes minimum requirements for the following:

1. ANTENNA DISTRIBUTION
2. ASSISTED LISTENING SYSTEM
3. AV CEILING ENCLOSURE
4. AV DECODER TYPE 1
5. AV DECODER TYPE 2
6. AV ENCODER TYPE 1
7. AV ENCODER TYPE 2
8. AV ENCODER TYPE 3
9. AV EQUIPMENT RACK BLANKS
10. AV EQUIPMENT RACK TYPE 1
11. AV NETWORK SWITCH
12. BLUETOOTH INTERFACE
13. BUTTON CONTROLLER
14. CLASSROOM AUDIO SYSTEM
15. **CONTROL PROCESSOR**
16. DIGITAL SIGNAL PROCESSOR TYPE 1
17. DIRECT VIEW LED WALL
18. DISPLAY CONTROLLER
19. FLAT PANEL DISPLAY
20. FLAT PANEL DISPLAY MOUNT
21. FLAT PANEL DISPLAY MOUNT (CEILING)
22. HDMI DISTRIBUTION AMPLIFIER
23. LOUDSPEAKER TYPE 1
24. LOUDSPEAKER TYPE 2
25. LOUDSPEAKER TYPE 3
26. MIC/LINE INTERFACE
27. POWER AMPLIFIER TYPE 1
28. POWER AMPLIFIER TYPE 2

29. TOUCH PANEL
30. VIDEO CAMERA
31. WIRELESS CONTROLLER
32. WIRELESS MICROPHONE SYSTEM
33. WIRELESS PRESENTATION RECEIVER
34. **CONTROL PROCESSOR TYPE 2**

E. Related Sections include the following:
1. 27 15 00.23 – Audio-Video Communications Horizontal Cabling

1.2 QUALITY ASSURANCE

A. The following industry Standards are the basis for the audio-visual system described herein. The list is incorporated by this reference to them.

1. ANSI - American National Safety Institute
2. ASTM - American Society of Testing and Materials
3. EIA - Electronics Industries Association
4. FCC - Federal Communications Commission
5. NEMA - National Electrical Manufacturer's Association
6. OSHA - Occupational Safety and Health Administration
7. NEC - National Electric Code.
8. NFPA - National Fire Protection Association.
9. IEEE - Institute of Electrical and Electronics Engineers.
10. ISO - International Standards Organization.
11. UL - Underwriters Laboratories
12. Davis and Davis, Sound System Engineering (2nd Edition), Howard W. Sams, 1987
13. Giddings, Audio System Design and Installation (ASDI), Howard W. Sams, 1990

B. All cable and equipment shall be installed in a neat and workmanlike manner. All methods of construction that are not specifically described or indicated in the contract documents shall be subject to the control and approval of the Architect. Equipment and materials shall be of the quality and manufacturer indicated. The equipment specified is based upon the acceptable manufacturers listed. Where "Or equal" is stated, equipment shall be equivalent in every way to that of the equipment specified and subject to approval.

C. Materials and work specified herein shall comply with the requirements of the local Authority Having Jurisdiction.

D. Contractor should have the following qualifications:
1. Experienced in the installation of systems similar in complexity and scale to those included within the scope of work. If requested, the Contractor shall provide the names, locations, and points of contact for at least three installations of the type and complexity specified herein.
2. Within the last two (2) years, installed an audio-visual system with similar equipment and functionality.
3. Have at least one (1) person on staff with CTS-I certification.

1.3 SUBMITTALS

A. As part of this specification section, Contractor shall be responsible for providing the following submittals.

1. Manufacturer Product Data
2. Pre-Installation Shop Drawings
3. User Interface Submittal
4. As-Built Drawings
5. Configuration files and Source Code

B. Manufacturer Product Data - The Contractor shall provide manufacturers' catalog sheets, specifications, and installation instructions for all products to be installed within the scope of work. This is to verify that the submitted components comply with the Contract Documents. Submittals shall be formatted as follows.

1. Submit only products that appear in this section or that are required for a complete installation relating to the products in this section. Submission of products from multiple sections will be cause for rejection of submittal without review and subject to reformatting and resubmittal by Contractor.
2. Each product intended to be used shall be included one time only. Do not submit similar products multiple times.
3. Submittal shall include an index with page(s) listed in order of specification within corresponding section, with subsection number and generic name correlated to product submitted. Sheet index and/or product data sheets organized alphabetically, randomly or in any manner which does not match the specification order will be cause for rejection of submittal without review and subject to reformatting and resubmittal by Contractor.
4. Following index sheet, include Manufacturer specification sheet stapled in order of properly organized index.
    a. Where multiple products exist on a single sheet, Contractor shall clearly indicate, whether with highlight, arrow, PDF stamp, etc. the product intending to be used.
    b. Failure to indicate specific product to be used will be cause for marking submittal Revise and Resubmit.

C. Pre-Installation Shop Drawings – Prior to the start of field work the Contractor shall provide pre-installation shop drawings noting the intended installation means and methods for this scope of work. This is to ensure the Contractor understands the scope of work and to provide the field installation teams with all information necessary for successful implementation.

1. Drawings shall be created using modeling software, such as Autodesk AutoCAD. In addition, they shall be exported in PDF format for review by the designer and Owner.
2. Drawings shall contain floor plans, RCPs (if applicable), section views, and details illustrating equipment location, including but not limited equipment racks, IR amplifiers, projection screens, connection panels, flat panel displays, and loudspeakers. Drawings shall be at no less than 1/8"=1'-0" scale.

3. Detailed wiring diagrams showing the interconnection between equipment devices. This shall include cable labeling, cable types, connector types and termination details, wiring color codes, and equipment manufacturer and models. Note cabling provided by Others. Diagrams included as part of Construction Documents are included to convey design intent and are not acceptable for use in Pre-Installation Shop Drawings and will be cause for rejection.
4. Loudspeaker, video projector, projector lift, and projection screen mounting details, including hardware type, material, and load capacity. For all equipment mounted overhead, mounting details and design calculations shall be signed and sealed by a professional structural engineer currently licensed to practice in the State of the work to be performed. The details included in the Construction Documents are included to convey design intent and are not acceptable for use in Pre-Installation Shop Drawings and will be cause for rejection.
5. Dimensioned plate and panel details that are custom for the project. Details shall include dimensioned locations of components, component type, engraving information, bill of materials, and plate finish and color. If custom part numbers are generated by a manufacturer, they shall be included on the plate details.
6. Rack elevations showing equipment layout within racks with dimensions. The Contractor shall allocate space in the rack for all equipment that will ultimately be installed within, including any and all Owner Furnished equipment.
7. Wiring schedule showing the source and destination of wiring and indicating whether the wire is in conduit or cable tray.

D. User Interface Submittals – The Contractor shall provide user interface submittals to convey the look and feel of user interfaces along with intended functionality. This is to ensure the Contractor understands the scope of work and to streamline the programming process prior to field installation.
1. Submit within 14 days of Pre-Installation Shop Drawing submittal.
2. Submit individual PDF files with screenshots of touch panels to be configured for the project.
    a. In text below screenshot, describe what pressing each button will accomplish in the program.
    b. Include both what users would experience in the room as well as on the touch panel. Ex. “Pressing Power On will turn on projector, lower projector screen and take users to the [SOURCES] page of touch panel.
    c. Where identical buttons exist on multiple pages, describe their function only once.
3. If button panels with user replaceable or custom buttons are included in project scope, submit PDF screenshot of proposed button configuration.
    a. In text below screenshot, describe what pressing each button will accomplish in the program.

E. As-Built Drawings - The Contractor shall provide Final documentation noting the actual installed conditions for this scope of work. This is to provide the Owner with accurate historical data of the project for future reference. As-Built Drawings shall be submitted during project close-out for inclusion in the O&M manual. Submittals shall be formatted as follows.

1. Submit one (1) PDF set of redlined Contractor generated As-Built Drawings. The Owner reserves the right to request an electronic copy of the shop drawings in both Autodesk CAD (.DWG) format and PDF format.
2. As-Built Drawings that utilize the Contract Documents as a base, shall be inclusive of all Published Addendums, ASIs, Accepted PCOs, PRs, SIs, etc. Changes made via RFI or Field Directive that were not published changes to the Contract Drawings shall be noted as such on the As-Builts with the noted RFI or FD #.
3. All text notes included on As-Builts shall be easily legible on PDF. Handwritten notes that are not legible shall be replaced with PDF text.
4. Include equipment manufacturer/model as installed in the field.
5. Include revised functional diagrams based on those submitted and approved during the Pre-Installation Shop Drawing submittal.

D. Configuration Files and Source Code – The Contractor shall provide the final equipment configuration files and Source Code installed on the project. These files shall be submitted concurrently with As-Built Drawings.
1. Include configuration files for all equipment, including but not limited to, digital signal processors, video switchers, control processors, amplifiers, etc. Owner notes that any changes made during the warranty period not completed by the Contractor will void the system warranty.
2. Include any passwords that may have been created that are required to access equipment. Owner notes that any changes made during the warranty period not completed by the Contractor will void the system warranty.
3. Contractor is not required to provide manufacturer software used for configuration.
4. Include any control processor source code in its uncompiled format. Owner notes that any changes made during the warranty period not completed by the Contractor will void the system warranty.

1.4 CLOSE-OUT DOCUMENTS

A. Provide close-out documents in accordance with the General Conditions unless otherwise indicated:

1. Provide the following for products incorporated into the final installation:
   a. Manufacturer's data for each type of product. Include manufacturer’s serial numbers within the list of products.
   b. Each products Owner/Instruction Manual. Provide high quality copies where necessary, with all text legible and illustrations of equal resolution

and sharpness as the original manual. Faxed copies or copies with portions of the information missing or smeared not acceptable.

2. Provide as-built drawings depicting what is actually incorporated within the project delivered as electronic files. All text within drawings shall be legible.
3. Provide recorded test reports of Contractor commissioning.
4. Prepare and provide a complete and typical procedure for the operation of the equipment as a system including:
   a. Describe the operation of system capabilities.
   b. Assume the intended reader of the manual to be technically inexperienced and unfamiliar with this facility.

5. Any other pertinent data generated during the project or required for future service.

1.5 DELIVERY, STORAGE, AND HANDLING

A. Equipment and components shall arrive onsite properly protected and undamaged with containers, packaging, and labels intact.
B. Store, handle and protect materials and equipment in accordance with Manufacturer's recommendations.
C. Store materials and equipment in dry, environmentally controlled space. Do not install equipment and materials until spaces are enclosed, watertight, and dry. Protect equipment from dust and other airborne materials.
D. Provide additional protection during handling as necessary to prevent breaking, scraping, marring, or otherwise damaging products or surrounding areas.
E. Protect all equipment and components that are to be installed within this project from theft, vandalism, and exposure to rain, freezing temperatures, and direct sunlight.
F. Protect installed equipment and components from damage and prevent use by unauthorized persons.

1.6 WARRANTY

A. The Contractor shall warranty the completed work for a period of one (1) year, from the date of acceptance of the work, to be free of defect in design, workmanship, or material.
B. Contractor shall repair, adjust, and/or replace, whichever the Owner determines to be in its best interests, any defective equipment, materials, or workmanship, as well as such parts of the work damaged or destroyed by such defect, during the warranty period, at the Contractor’s sole cost and expense. If parts or components need to be repaired, then a loaner will be supplied and installed until the part or component can be repaired and reinstalled.
C. All service work shall be performed by manufacturer certified technicians.
D. Contractor to provide Owner a phone number for technical support. All support calls shall be answered within twenty-four (24) hours. All repairs shall be underway within forty-eight (48) hours and completed (or loaner supplied) within seven (7) days.
E. At the end of the warranty period, the Contractor shall complete one (1) site visit to evaluate the status of the audio-visual systems. All equipment within this scope of work found to be defective shall be replaced at no cost to the Owner.

F. Guarantees of material, equipment, and workmanship running in favor of the Contractor shall be transferred and assigned to the Owner on completion of the work and acceptance of said work by the Owner.

PART 2 - PRODUCTS

2.1 ANTENNA DISTRIBUTION SYSTEM

A. Shall meet or exceed the following specifications:

1. Shall operate in the 470 MHz to 690 MHz radio frequency range.
2. Shall have a minimum of one (1) BNC RF input per channel.
3. Shall have a minimum of four (4) BNC RF outputs per channel.
4. Shall have a minimum of four (4) DC power outputs for compatible wireless audio transmitters or receivers.
5. All BNC RF outputs and inputs shall have 50-ohm impedance.
6. Shall have a metal housing.
7. Provide necessary adapters and accessories as required. Refer to the T-series drawings.
8. Acceptable Manufacturers:

    a. Shure UA844+SWB/LC
    b. Shure UA834WB In-Line Antenna Amplifier
    c. Shure UABIAST In-Line Power Adapter
    d. Shure UA221 Passive Antenna Splitter
    e. Shure UA8 ½ Wave Antenna
    f. Or approved equal

2.2 ASSISTED LISTENING SYSTEM

A. Shall meet or exceed the following specifications:

1. Shall have a minimum of two (2) balanced audio inputs on XLR and/or RCA connectors.
2. Shall have an internal audio compressor.
3. Shall have an operating frequency of 216MHz.
4. Shall have a maximum output power of 100mW.
5. Provide remote antenna as shown on the T-series drawings.
6. Provide quantity and type of receivers to meet ADA requirements.
7. Provide charging carrying case to accommodate all receivers.
8. Acceptable Manufacturers:

    a. Listen Tech LT-800-216 with LA-326 (Quantity: As shown on AV Diagrams)
    b. Listen Tech LA-122 (Quantity: As shown on AV Diagrams)
    c. Listen Tech LR-4200-216 (Quantity:4)
    d. Listen Tech LA-401 (Quantity: 4)
    e. Listen Tech LA-402 (Quantity: 4)
    f. Listen Tech LA-430 (Quantity: 4)
    g. Listen Tech LA-380 (Quantity: 1)
    h. Listen Tech LA-304 (Quantity: 1 per transmitter)

i. Or equal

2.3 AV CEILING ENCLOSURE

A. Shall meet or exceed the following specifications:

1. Shall conform to UL 2043 (plenum rated).
2. Shall have 4 RU rack cage.
3. Shall include 5 AC power outlets.
4. Shall be designed to fit into a standard 2’ x 2’ or 2’ x 4’ acoustic ceiling grid.
5. Shall include fan module option.
6. Shall include optional hardwired surge protection device.
7. Acceptable Manufacturers:
   a. FSR Inc. CB-224S
   b. Or approved equal

2.4 AV DECODER TYPE 1

A. Shall meet or exceed the following specifications:

1. Shall include 10/100/1000Mbps Ethernet port.
2. Shall support IEEE 802.3af PoE and 802.3at PoE+
3. Shall support HTTP APIs
4. Shall multiple output modes for decoding of different protocol signals.
5. Shall support the following protocols: NDI High Bandwidth, NDI HX, NDI HX2, NDI HX3, MPEG-TS over RTP/UDP/SRT, RTMP, RTSP, HTTP, HLS and ZIXI
6. Shall have HDMI 2.0 output up to 2560x1440 60fps 4:4:4 10-bit.
7. Acceptable Manufacturers:

   a. Magewell Pro Convert IP to HDMI
   b. Or approved equal

2.5 AV DECODER TYPE 2

A. Shall meet or exceed the following specifications:

1. Shall be able to be controlled using ASCII-readable HTTP(S) GET/POST, UDP Unicast or UDP Multicast API.
2. Shall be capable of control from a 3rd Party control system such as: Crestron, Extron, AMX, QSC.
3. Acceptable Manufacturers:

   a. Visionary AV D5100 Decoder
   b. Or approved equal

2.6 AV ENCODER TYPE 1

A. Shall meet or exceed the following specifications:

1. Shall be capable of transmitting 1080p and 4K60 4:4:4 resolutions.
2. Shall be capable of de-embedding up to two (2) channels of LPCM audio from the HDMI input and two (2) channels of Bluetooth audio and making it available as a Dante/AES67 source.
3. The encoder stream audio transmission shall be selectable between Dante. Bluetooth, and HDMI audio.
4. Shall be capable of control from a 3rd Party control system such as: Crestron, Extron, AMX, QSC.
5. Confirm final color and finish with the Architect.
6. Acceptable Manufacturers:

    a. Visionary AV DuetE5-WP-BT
    b. Or approved equal

2.7 AV ENCODER TYPE 2

A. Shall meet or exceed the following specifications:

1. Shall be capable of transmitting 1080p and 4K60 4:4:4 resolutions.
2. Shall be able to be controlled using ASCII-readable HTTP(S) GET/POST, UDP Unicast or UDP Multicast API.
3. Shall be capable of control from a 3rd Party control system such as: Crestron, Extron, AMX, QSC.
4. Acceptable Manufacturers:

    a. Visionary AV E5100 Encoder
    b. Or approved equal

2.8 AV ENCODER TYPE 3

A. Shall meet or exceed the following specifications:

1. Shall be capable of transmitting 1080p and 4K60 4:4:4 resolutions.
2. Shall include two HDMI inputs and one USB-C input.
3. Shall be capable of de-embedding up to two (2) channels of LPCM audio from the HDMI input making it available as a Dante/AES67 source.
4. Shall support switching between the three inputs and can be performed automatically using auto-switching (input detect) mode, programmatically via a control system.
5. Shall be able to be controlled using ASCII-readable HTTP(S) GET/POST, UDP Unicast or UDP Multicast API.
6. Shall be capable of control from a 3rd Party control system such as: Crestron, Extron, AMX, QSC.
7. Acceptable Manufacturers:

    a. Visionary AV DuetE-5 Encoder
    b. Or approved equal

2.9 AV EQUIPMENT RACK BLANKS

2.10 Contractor to provide equipment rack blanks where required as shown on T-series drawings.

A. Shall meet or exceed the following specifications:

1. Shall have a flanged construction.
2. Shall be made of 1/16” thick aluminum.
3. Shall have a black brushed and anodized finish.
4. Provide rack blank sizes as required.
5. Acceptable Manufacturers:

    a. Middle Atlantic BL Series
    b. Or Equal

2.11 AV EQUIPMENT RACK TYPE 1

A. Shall meet or exceed the following specifications:

1. Shall have a minimum of 12 units of available rack space. Provide models as necessary to provide the number of rack units shown in rack elevations in T-Series drawings.
2. Shall have 16-gauge steel construction with black textured powder coat finish.
3. Shall have locking, vented doors, side panels, and fans.
4. Shall have an overall depth of 22” and useable depth of 20”.
5. Shall be constructed to swing open for cabling access.
6. Shall have a large 12.5” x 12.5” knockout at the rear along with additional knockouts in the sides of the racks.
7. Acceptable Manufacturers:

    a. Middle Atlantic DWR-12-22
    b. Or Equal

2.12 AV NETWORK SWITCH

A. Shall meet or exceed the following specifications:

1. Shall have a minimum of 16 gigabit ports.
2. Shall have a minimum of 300 watts of PoE budget available.
3. Shall have integrated 10Gb copper uplink ports, or support 10Gb copper uplinks via SFP. If using SFP, Contractor shall provide quantity of modules as required to support connectivity shown on T-Series drawings.
4. Shall support communication over Layer 2 at a minimum.
5. Shall support DANTE digital audio communication protocol.
6. Shall be capable of supporting AVB communication protocol.
7. Shall be capable of supporting future AVoIP communication protocols.
8. Provide rack mountable version where required.
9. Acceptable Manufacturers:

a. Netgear M4250 Series
b. Or Equal

2.13 BUTTON CONTROLLER

A. Shall meet the following specifications:

1. Shall have one (1) IR and/or one (1) RS-232 connection.
2. Shall be able to control the following functionality: volume up/down, source selection, and system power on/off.
3. Shall have a minimum of eight (8) programmable buttons.
4. Shall be powered via PoE.
5. Confirm final color and finish with the Architect.
6. Acceptable Manufacturers:

a. Crestron MPC4-102
b. Or Equal

2.14 CLASSROOM AUDIO SYSTEM

A. Shall meet or exceed the following specifications:

1. Shall use 1.9GHz for wireless connection to microphones.
2. Shall include three (3) 3.5mm inputs, one S/PDIF coaxial digital input.
3. Shall include one (1) 3.5mm output.
4. Shall be compatible with TOUCH PANEL specified elsewhere in this section.
5. Shall function as a control processor for additional components found on the network via ethernet control.
6. Acceptable Manufacturers:

a. Lightspeed T25

2.15 CONTROL PROCESSOR

A. Shall meet or exceed the following specifications:

1. Shall have a minimum of one (1) RS-232 connection.
2. Shall support Ethernet control and monitoring.
3. Shall provide control of including, but not limited to, source selection, video routing, source volume, transport controls, microphone volume, video cameras, and system power as denoted within AV diagrams. Reference Paragraph 3.2 for additional information.
4. Acceptable Manufacturers:

a. Crestron RMC4
b. Or Equal

2.16 DIGITAL SIGNAL PROCESSOR TYPE 1

A. Shall meet or exceed the following specifications:

1. Shall have a minimum of twelve (12) mic/line level inputs.
2. Shall have a minimum of eight (8) mic/line level outputs.
3. Shall be Dante compatible.
4. Shall route analog and digital inputs and outputs.
5. Provide AUDIO ADAPTOR to connect to PAGING system audio feed and convert to line level.
6. Provide AUDIO SENSING RELAY to provide contact closure to GPIO input during paging events.
7. Shall provide an open architecture for signal routing.
8. Control software to include, but not limited to: matrix mixers, limiters, gain adjustment, delay, parametric equalizers, crossovers, and compressors.
9. Acceptable Manufacturers:

    a. Biamp TesiraFORTE DAN AI

2.17 DIRECT VIEW LED WALL

A. Shall meet or exceed the following specifications:

1. Shall have 1.875mm pixel pitch or better.
2. Shall have resolution of 3200x1800 pixels.
3. Shall have dimensions of approximately 19.69ft x 11.07ft
4. Shall have brightness of 1000 nits.
5. Provide Novastar H2 processor with two (2) HDMI input cards and one (1) 20x RJ45 output send card.
6. Provide complete mounting solution.
7. Provide manufacturer recommended spares, no less than 10% of total qty. LED modules that make up entire display.
8. Acceptable Manufacturers:

    a. Media Resources Flip Chip MIP Low Power 1.875MM
    b. Or equal.

2.18 DISPLAY CONTROLLER

A. Shall meet or exceed the following specifications:

1. Shall be capable of 8K60 4:4:4, HDR, HDR10+, and Dolby Vision® support.
2. Shall support CEC and RS-232 control.
3. Shall be capable of powering on connected display based on schedule, room occupancy or video sync detect.
4. Acceptable Manufacturers:

    a. Crestron HD-CTL-101
    b. Or equal.

2.19 FLAT PANEL DISPLAY

A. Shall meet or exceed the following specifications:

1. Shall support resolutions up to and including 1920x1080p, 60 Hz.
2. Shall be LED Backlit.
3. Shall have a minimum contrast ratio of 4000:1.
4. Shall have a minimum brightness of 330 cd/m^2
5. Shall be RS-232 controllable.
6. Shall be rated for commercial usage.
7. “MON” (Monitor locations within the T-series drawings) displays shall be minimum 16/7 rated and “DS” (Digital Signage locations within the T-series drawings) shall be 24/7 rated.
8. Reference T-series drawings for display sizes.
9. Acceptable Manufacturers:

    a. Viewsonic CDE12 or CDE30 series

2.20 FLAT PANEL DISPLAY MOUNT

A. Shall meet or exceed the following specifications:

1. Shall support weight of associated display.
2. Shall be non-articulating mount.
3. Shall have an adjustable tilt of +5 or -20 degrees.
4. Shall provide access to backbox without removing mount.
5. Mount shall be selected to ensure total combined depth of flat panel display and mount does not exceed 4” from the wall to meet ADA requirements.
6. Acceptable Manufacturers:

    a. Chief
    b. Peerless
    c. Or Equal

2.21 FLAT PANEL DISPLAY MOUNT (CEILING)

A. Contractor shall provide and install ceiling hung dual-sided flat panel display mount as shown on the T-series drawings. Confirm final location, display height, and display tilt with owner prior to final installation.

B. Shall meet or exceed the following specifications:

1. Shall support weight of associated display.
2. Shall be non-articulating mount.
3. Shall have an adjustable tilt of +5 or -20 degrees.
4. Shall mount both displays from a single pole.
5. Display shall be mounted at a height such that the bottom of the display is no lower than 80” AFF to meet ADA requirements.

6. Provide accessories for mounting IPTV devices at each location. Hanging decoders using cable ties or Velcro alone is not acceptable.
7. Acceptable Manufacturers:

    a. Chief MCB1U
    b. Peerless
    c. Or equal

2.22 HDMI DISTRIBUTION AMPLIFIER

A. Shall meet or exceed the following specifications:

1. Shall have a minimum of one (1) HDMI input.
2. Shall have a minimum of two (2) HDMI outputs.
3. Shall support resolutions up to and including 4K60.
4. Shall be HDCP compliant.
5. Acceptable Manufacturers:

    a. Crestron HD-DA2-4KZ-E
    b. Or Equal

2.23 LOUDSPEAKER TYPE 1

A. Shall meet or exceed the following specifications:

1. Shall have 6.5-inch speaker.
2. Shall have a nominal 130 degree conical pattern.
3. Shall be designed to fit into a standard 2’ x 2’ or 2’ x 4’ acoustic ceiling grid.
4. Shall be capable of 70V operation.
5. Confirm final color and finish with the Architect.
6. Acceptable Manufacturers:

    a. Biamp DC220T
    b. Or equal

2.24 LOUDSPEAKER TYPE 2

A. Shall meet or exceed the following specifications:

1. Shall be a three-way 6 x 3.5-inch column line source loudspeaker.
2. Shall have an impedance of 12 Ohm.
3. Shall have a horizontal dispersion of 120 degrees and a vertical dispersion of 12 or 6 degrees, selectable.
4. Provide tilt wall mount.
5. Confirm final color and finish with the Architect.
6. Acceptable Manufacturers:

    a. Biamp Desono ENT-FRW
    b. Or equal

2.25 LOUDSPEAKER TYPE 3

A. Shall meet or exceed the following specifications:
1. Shall be a 2-way passive coaxial speaker.
2. Shall have a 10-inch woofer.
3. Shall have a sensitivity of no less than 96dB @1W @1m.
4. Shall be capable of 70V operation.
5. Confirm final color and finish with the Architect.
6. Acceptable Manufacturers:

a. Biamp Desono DX-IC10
b. Or equal

2.26 MIC/LINE INPUT

A. Shall meet or exceed the following specifications:

1. Shall have one (1) XLR-F input.
2. Shall have one (1) 3.5mm line level input.
3. Shall transmit audio digitally over network via Category cable.
4. Shall be powered via PoE by connected network switch.
5. Shall be one-gang decora form factor.
6. Confirm color with Architect.
7. Acceptable Manufacturers:
a. RDL D-RN2ML
b. Or Equal

2.27 POWER AMPLIFIER TYPE 1

A. Shall meet or exceed the following specifications:

1. Shall have 4 mono, mic/line, balanced/unbalanced inputs.
2. Shall include integrated DSP with 6x6 mix matrix.
3. Shall be controllable via RS-232.
4. Shall provide protection of circuit components in the event of over-drive, output overload, or short circuits.
5. Shall deliver minimum 100 watts per channel, 70 V.
6. Shall support DANTE network audio protocol.
7. Acceptable Manufacturers:

a. Extron NetPA U 1002-70V
b. Or equal

2.28 POWER AMPLIFIER TYPE 2

A. Shall meet or exceed the following specifications:

1. Shall have a continuous power rating of a minimum of 4800 watts into a 70V load across all amplification channels.
2. Shall provide four (4) channels of amplification.

3. Shall provide protection of circuit components in the event of over-drive, output overload, or short circuits.
4. Shall have a maximum of 0.05% THD from 20Hz – 20000Hz.
5. Shall support DANTE network audio protocol.
6. Acceptable Manufacturers:

    a. Biamp Voltera D 2400.4
    b. Or equal

2.29 TOUCH PANEL

A. Shall meet or exceed the following specifications:

1. Shall have ethernet monitoring and control.
2. Shall have a capacitive touch screen interface.
3. Shall have a minimum resolution of 1920x1200.
4. Shall have minimum 10.1” diagonal.
5. Shall have a contrast ratio of 1000:1
6. Shall be compatible with CONTROL PROCESSOR TYPE 1 specified elsewhere in this section.
7. Provide all necessary hardware and brackets required for installation as shown on the T-series drawings.
8. Coordinate color with architect.
9. Acceptable Manufacturers:

    a. Crestron TSW-1070-x-S
    b. Provide with FSR WB-TSC-SM-10 or equal surface mount enclosure where noted on T-Series Drawings.
    c. Or Equal

2.30 VIDEO CAMERA

A. Shall meet the following specifications:

1. Shall have a minimum resolution 4K UHD 30fps.
2. Shall support being powered by PoE+.
3. Shall include laser marker positioning.
4. Provide manufacturer ceiling mount.
5. Acceptable Manufacturers:

    a. Lumens CL511 with Lumens CL-A01
    b. Or Equal

2.31 WIRELESS CONTROLLER

A. Shall meet the following specifications:

1. Shall have a minimum 10” diagonal screen.
2. Shall have a minimum resolution of 1920 x 1080.

3. Shall support capacitive touch interface.
4. Shall support the AV CONTROL PROCESSOR control application. Contractor shall be responsible for providing and configuring control applications.
5. Shall communicate wirelessly with AV control system.
6. Acceptable Manufacturers:

    a. Apple iPad
    b. iPort Luxe BaseStation
    c. iPort Luxe Case compatible with wireless controller
    d. Or Equal

2.32 WIRELESS MICROPHONE SYSTEM

A. Shall meet or exceed the following specifications:

1. Shall utilize a 64 MHz bandwidth.
2. Shall provide digital predictive switching for true diversity.
3. Shall have up to 60 frequency presets available.
4. Shall provide automatic frequency scanning.
5. Transmitters and receivers shall have metal housing.
6. Coordinate operating frequency with local RF environment.
7. Acceptable Manufacturers:

    a. Shure QLXD4 (Qty. as shown on AV Diagrams denoted by “WIRELESS MICROPHONE RECEIVER”)
    b. Shure UA844+ (Qty. as shown on AV Diagrams denoted by “ANTENNA DISTRIBUTION”)
        1) Provide all active antenna amplifiers, Bias-T adapters, connecting cables, and antennas as required for full microphone coverage of each space served based on manufacturer online tools or engineering support.
    c. Shure QLXD2/SM58 handheld transmitter (1 per receiver)
    d. Shure QLXD1 bodypack transmitter (1 per receiver)
    e. Shure WL185 (1 per bodypack transmitter)
    f. Provide minimum eight (8) additional AA batteries within each room containing wireless microphone system.
        1) Turn over to Owner during training for storage in preferred location.
    g. Or Equivalent of each component above utilizing alternate manufacturer.

2.33 WIRELESS PRESENTATION RECEIVER

A. Shall meet or exceed the following specifications:

1. Shall have a minimum of one (1) RJ-45 LAN connection.
2. Shall have a minimum of one (1) HDMI output.
3. Shall support resolutions of up to and including 1920x1200 or higher.
4. Shall be capable of being powered by PoE.
5. Shall support Miracast, Apple Screen Mirroring or Chrome Extension.
6. Acceptable Manufacturers:

a. Crestron AM-3000-WF
b. Or Equal

2.34 CONTROL PROCESSOR TYPE 2

A. Shall meet or exceed the following specifications:

1. Shall have a minimum of one (1) RS-232 connection.
2. Shall have two (2) independent NIC cards utilized for bridging two separate networks.
3. Shall support Ethernet control and monitoring.
4. Shall provide control of including, but not limited to, source selection, video routing, source volume, transport controls, microphone volume, video cameras, and system power as denoted within AV diagrams. Reference Paragraph 3.2 for additional information.
5. Acceptable Manufacturers:

a. Crestron CP4N
b. Or Equal

PART 3 - EXECUTION

3.1 GENERAL

A. Coordinate incorporation of the Work specified herein with other project work so as to facilitate a cohesive final product.
B. The installation recommendations contained within ASDI and Telecommunications Distribution Methods Manual are mandatory minimum standards and requirements.
C. Mount equipment and enclosures plumb and level.
D. Permanently installed equipment to be firmly and safely held in place. Design equipment supports to support loads imposed with a safety factor of at least five. Seismic bracing shall be installed on appropriate equipment where local codes require such installation.
E. Verify all locations of equipment in all rooms with Owner's Representative, Owner, and Consultant.
F. Follow all manufacturer requirements and recommendations for the installation of all AV equipment.

3.2 CEILING LOUDSPEAKERS

A. Shall be wired in parallel according to Manufacturer specifications.
B. All speaker cabling shall be supported above the ceiling and may not rest on ceiling tiles or other structural devices.
C. A minimum five (5) foot service loop shall be provided and secured above each speaker.

3.3 WALL MOUNTED FLAT PANEL DISPLAYS

A. The contractor shall provide all final installation, connections including providing /installing interface cables, configuration, programming, and warranty of system functionality for interactive flat panel and/or standard wall mounted flat panel display controlled by an AV control system.
B. Product warranty for defective components furnished by the Owner is the responsibility of the Owner.
C. Contractor is responsible for inspecting Owner furnished components at time of receipt and bringing any visible physical damage to packaging to the attention of the Owner and Construction Manager.

3.4 AUDIO VIDEO CONTROL SYSTEM

A. Control system shall be programmed to at a minimum switch between available AV sources, power on/off video projector, raise/lower projector lift, raise/lower projection screen, and control audio source and system volume.
B. Contractor to provide a minimum of three iterations of the touchscreen layout and programming for review by the Owner and Consultant. The first phase will involve only the layout and proposed operation. Once reviewed, the Contractor will utilize this information to begin programing the touch panels. The touch panels will be reviewed again after the programming has been implemented in the field. Any changes from this phase shall be incorporated into the work. Final review will occur at the one year walk-through.
C. Prior to the start of programming, the Contractor shall obtain the latest district logo and colors from the Owner for use during all layout and programming. The Contractor shall reference these layouts during the first phase of programming:

1. LOBBY AV SYSTEM
    a. Shall include a password-protected, custom programmed touch panel for system control. Touch panel shall include visual feedback of the following at a minimum: button presses, source selection, gain status, mute status, and power state. Additionally, provide popup pages indicating active page override of active fire alarm to provide information should the system be muted by one of those inputs inadvertently to aid in providing information for service. Coordinate password/s with the Owner.
    b. Shall include two main operating modes: 1) Overflow for Gymnasium events and 2) Stand-Alone event mode.
    c. Shall include VIDEO DECODER TYPE 1 connected to building network. The purpose of the decoder is to receive RTSP video stream from HUDL camera mounted in Gymnasium to provide live video from activities in the Gymnasium to be displayed on the direct view LED wall. The stream from the HUDL cam should be default in Overflow mode.
    d. By default, system power on should allow audio to pass without powering on display.
    e. Contractor shall provide display power on/off controls on touch panel.
    f. Configure HDMI input as default source on direct view LED wall when in Stand-Alone event mode.
    g. Shall include one input locations near the room touch panel with Bluetooth and mic/line capabilities for audio connectivity and playback.

1) Contractor shall provide Bluetooth pairing button and supplemental information on touch panel. Coordinate with Owner for desired Bluetooth pairing PIN.

h. Shall include wireless microphone package for voice and audio reinforcement.

i. Shall include a pair of wall-mounted speakers and distributed overhead loudspeaker system. Contractor shall ensure loudspeaker coverage of 76 dBA at a minimum and no more than 96 dBA at a maximum based on the volume range configured on the touch panel.

j. Contractor shall configure a default startup output gain of the system utilizing a reasonable dB level based on ambient noise level of empty space at Contractor's discretion. Review gain setting with room end users during programming and training and adjust to Owner desired default level based on user feedback.

k. Contractor shall limit output frequencies and gain based on speaker manufacturer recommendations to prevent damage to the systems.

l. Audio system shall function as a single zone within the space.

m. By default, all inputs shall be active and routed to speakers without the need for additional source selection by the Owner.

n. Provide a daily system shutdown timer to reset all audio functions to default levels. Coordinate desired shutdown time with Owner.

o. Room digital signal processor shall receive paging signal from building paging system and mute/duck the room program audio until the page is complete, at which time room program audio will resume.

p. Room digital signal processor shall receive relay signal from building fire alarm system and mute/duck the room program audio until the alarm is cleared, at which time room program audio will resume.

q. All AV components shall be connected to an isolated AV network. Contractor shall be responsible for network configuration including but not limited to: VLANS (if required), DHCP/Static devices addressing, and implementation of networking policies to allow network protocols required for system operation.

r. **Shall include a web based replication of the physical touch panel accessible from Owner devices accessible from the existing building wireless access point system. Coordinate with Owner for processor NIC IP address configuration, certificate requirements, and any other information required by the Owner to connect AV equipment to building network.**

2. CULINARY CLASSROOM

a. Shall include custom-programmed button panel for system control.

b. Shall include HDMI/USB extender input connected to District standard interactive flat panel display. Analog audio output from interactive flat panel display shall be connected to digital signal processor to reproduce content audio over room audio system.

1) By default, system power on should allow audio to pass without powering on display.

2) Contractor shall provide display power on/off controls on button panel.
3) Configure ceiling camera input as default source on classroom flat panels.

c. Shall include one HDMI input location and one ceiling mounted camera selectable to send as a source to all decoders within the classroom.
d. Shall include classroom audio device to allow use of District standard wireless classroom audio system devices.
e. Shall include a distributed overhead loudspeaker system. Contractor shall ensure loudspeaker coverage of 76 dBA at a minimum and no more than 96 dBA at a maximum based on the volume range configured on the touch panel.
f. Contractor shall configure a default startup output gain of the system utilizing a reasonable dB level based on ambient noise level of empty space at Contractor's discretion. Review gain setting with room end users during programming and training and adjust to Owner desired default level based on user feedback.
g. Contractor shall limit output frequencies and gain based on speaker manufacturer recommendations to prevent damage to the systems.
h. Audio system shall function as a single zone within the space.
i. By default, all inputs shall be active and routed to speakers without the need for additional source selection by the Owner.
j. Provide a daily system shutdown timer to reset all audio functions to default levels. Coordinate desired shutdown time with Owner.
k. All AV components shall be connected to an isolated AV network. Contractor shall be responsible for network configuration including but not limited to: VLANS (if required), DHCP/Static devices addressing, and implementation of networking policies to allow network protocols required for system operation.

3.5 TESTING

A. Prior to turning on the system, verify all electronic devices are properly grounded and each audio video AC receptacle has the proper hot, neutral, and ground connections.
B. Audio Testing:

1. Verify each amplifier channel is correctly wired by providing a test signal to each channel and verify the correct speakers are operating.
2. Adjust the input and output gain of each device to properly set the system gain.
3. Adjust the output level of each amplifier channel and/or speaker tap settings to achieve the output dB levels specified above in the area covered by the respective speaker zone when the output of the sound reinforcement system is set to 0 dBu.
4. Equalize all loudspeakers to provide an acceptable frequency response based on the specifications of the provided loudspeakers.
5. Verify no hum or buzz is present in the system at all operating levels. If present, propose a resolution and correct the issue at no cost to the Owner.

C. Video Testing:

1. Using a video signal generator, verify performance of all equipment meets manufacturer's specifications.
2. Verify correct operation of all inputs and outputs
3. Flat panel displays shall be set up by the contractor for immediate usage by the Owner once system is commissioned.

3.6 TRAINING

A. After final completion, provide instruction to Owner designated personnel.
B. Provide a minimum of four (4) hours of training to the Owner. Plan for multiple training trips to the site. Training session(s) shall cover the following topics at a minimum:
1. System Equipment Connectivity
2. Device Configurations
3. Operation, maintenance, and upgrade procedures.
C. Training to be arranged with Owner personnel. Training schedule shall be coordinated with Owner personnel and their needs.
D. Training to occur in maximum of 2-hour increments per personnel or groups of personnel.
E. Training plan, time line, and agenda shall be provided to Owner and signed off by Owner and Contractor.
F. Warranty certificate and agreement shall be provided to Owner at initial training session.
G. Provide a digital video copy of the training sessions.
H. Contractor to be present at first two (2) uses of the facility.

3.7 SYSTEM ACCEPTANCE

A. Contractor shall demonstrate to the Owner that all systems have been installed per the plans and specifications and that all programming functions, display functions, control functions and all interfaced equipment operate as expected.
B. Contractor shall demonstrate to the Owner that all the end user staff has a working knowledge of how to operate the installed equipment and that the facilities staff also has a working knowledge of the troubleshooting methods for non-critical service problems.
C. Contractor shall have a Delivery and Acceptance form signed by the Owner representative, agreeing that the installation is complete and its operation is acceptable except as noted on the Delivery and Acceptance form. This will also serve as the start of the warranty period.
D. Contractor shall work with the General Contractor to complete all punch lists and work required to allow the General Contractor to close out his project in a timely manner. This will include but not limited to any work that would impact any final inspection for turnover of the building.

END OF SECTION 274116

SECTION 321313 - CONCRETE PAVING

PART 1 - GENERAL

1.1 SUMMARY

A. Section includes concrete paving **including the following:**

1. Driveways.
2. Roadways.
3. Parking lots.
4. Curbs and gutters.
5. Walks.

B. Related Requirements:

1. Section 033000 "Cast-in-Place Concrete" for general building applications of concrete.
2. Section 321316 "Decorative Concrete Paving" for stamped concrete other than stamped detectable warnings.
3. Section 321373 "Concrete Paving Joint Sealants" for joint sealants in expansion and contraction joints within concrete paving and in joints between concrete paving and asphalt paving or adjacent construction.
4. Section 321713 "Parking Bumpers."
5. Section 321716 "Manufactured Traffic-Calming Devices."
6. Section 321723 "Pavement Markings."
7. Section 321726 "Tactile Warning Surfacing" for detectable warning **tiles and pavers**.

1.2 DEFINITIONS

A. Cementitious Materials: Portland cement alone or in combination with one or more of blended hydraulic cement, fly ash, slag cement, and other pozzolans.

B. W/C Ratio: The ratio by weight of water to cementitious materials.

1.3 PREINSTALLATION MEETINGS

A. Preinstallation Conference: Conduct conference at **Project site**.

1. Review methods and procedures related to concrete paving, including but not limited to, the following:

a. Concrete mixture design.
b. Quality control of concrete materials and concrete paving construction practices.

2. Require representatives of each entity directly concerned with concrete paving to attend, including the following:

a. Contractor's superintendent.
b. Independent testing agency responsible for concrete design mixtures.
c. Ready-mix concrete manufacturer.
d. Concrete paving Subcontractor.
e. Manufacturer's representative of stamped concrete paving system used for stamped detectable warnings.

1.4 ACTION SUBMITTALS

A. Product Data: For each type of product.

B. Sustainable Design Submittals:

1. Product Data: For recycled content, indicating postconsumer and preconsumer recycled content and cost.
2. Product Certificates: For regional materials, indicating location of material manufacturer and point of extraction, harvest, or recovery for each raw material. Include distance to Project and cost for each regional material.
3. Environmental Product Declaration (EPD): For each product.
4. Product Certificates: For indigenous materials, indicating location of material manufacturer and point of extraction, harvest, or recovery for each raw material. Include distance to Project, means of transportation, and cost for each indigenous material.
5. Environmental Product Declaration: For each product.
6. Product Certificates: For regional materials, indicating location of material manufacturer and point of extraction, harvest, or recovery for each raw material. Include distance to Project, means of transportation, and cost for each regional material.
7. Environmental Product Declaration: For each product.
8. Environmental Product Declaration: For each product.
9. Third-Party Certifications: For each product.
10. Third-Party Certified Life Cycle Assessment: For each product.
11. Laboratory Test Reports: For concrete paving mixtures, documentation indicating that cured concrete complies with Solar Reflectance Index requirements.
12. Laboratory Test Reports: For concrete paving mixtures, documentation indicating that cured concrete complies with Solar Reflectance Index requirements.

C. Samples for Initial Selection: For each type of product, ingredient, or admixture requiring color selection.

D. Samples for Verification: For each type of product or exposed finish, prepared as Samples of size indicated below:

1. Exposed Aggregate: 10-lb Sample of each mix.

E. Design Mixtures: For each concrete paving mixture. Include alternate design mixtures when characteristics of materials, Project conditions, weather, test results, or other circumstances warrant adjustments.

1.5 INFORMATIONAL SUBMITTALS

A. Qualification Data: For qualified **Installer of stamped detectable warnings**, **ready-mix concrete manufacturer**, **and testing agency**.

B. Material Certificates: For the following, from manufacturer:

1. Cementitious materials.
2. Steel reinforcement and reinforcement accessories.
3. Fiber reinforcement.
4. Admixtures.
5. Curing compounds.
6. Applied finish materials.
7. Bonding agent or epoxy adhesive.
8. Joint fillers.

C. Material Test Reports: For each of the following:

1. Aggregates: **Include service-record data indicating absence of deleterious expansion of concrete due to alkali-aggregate reactivity.**

D. Field quality-control reports.

1.6 QUALITY ASSURANCE

A. Stamped Detectable Warning Installer Qualifications: An employer of workers trained and approved by manufacturer of stamped concrete paving systems.

B. Ready-Mix-Concrete Manufacturer Qualifications: A firm experienced in manufacturing ready-mixed concrete products and that complies with ASTM C94/C94M requirements for production facilities and equipment.

1. Manufacturer certified according to NRMCA's "Certification of Ready Mixed Concrete Production Facilities" (Quality Control Manual - Section 3, "Plant Certification Checklist").

C. Testing Agency Qualifications: Qualified according to ASTM C1077 and ASTM E329 for testing indicated.

1. Personnel conducting field tests must be qualified as ACI Concrete Field Testing Technician, Grade 1, according to ACI CP-1 or an equivalent certification program.

D. Mockups: Build mockups to verify selections made under Sample submittals and to demonstrate aesthetic effects and set quality standards for materials and execution.

1. Build mockups of full-thickness sections of concrete paving to demonstrate typical joints; surface finish, texture, and color; curing; and standard of workmanship.
2. Build mockups of concrete paving in the location and of the size indicated or, if not indicated, build mockups where directed by Architect and not less than 96 inches **by** 96 inches. **Include full-size detectable warning.**

3. Approval of mockups does not constitute approval of deviations from the Contract Documents contained in mockups unless Architect specifically approves such deviations in writing.
4. Subject to compliance with requirements, approved mockups may become part of the completed Work if undisturbed at time of Substantial Completion.

1.7 PRECONSTRUCTION TESTING

A. Preconstruction Testing Service: Engage a qualified independent testing agency to perform preconstruction testing on concrete paving mixtures.

1.8 FIELD CONDITIONS

A. Traffic Control: Maintain access for vehicular and pedestrian traffic as required for other construction activities.

B. Cold-Weather Concrete Placement: Protect concrete work from physical damage or reduced strength that could be caused by frost, freezing, or low temperatures. Comply with ACI 306.1 and the following:

1. When air temperature has fallen to or is expected to fall below 40 deg F, uniformly heat water and aggregates before mixing to obtain a concrete mixture temperature of not less than 50 deg F and not more than 80 deg F at point of placement.
2. Do not use frozen materials or materials containing ice or snow.
3. Do not use calcium chloride, salt, or other materials containing antifreeze agents or chemical accelerators unless otherwise specified and approved in design mixtures.

C. Hot-Weather Concrete Placement: Comply with ACI 301 and as follows when hot-weather conditions exist:

1. Cool ingredients before mixing to maintain concrete temperature below 90 deg F at time of placement. Chilled mixing water or chopped ice may be used to control temperature, provided water equivalent of ice is calculated in total amount of mixing water. Using liquid nitrogen to cool concrete is Contractor's option.
2. Cover steel reinforcement with water-soaked burlap, so steel temperature will not exceed ambient air temperature immediately before embedding in concrete.
3. Fog-spray forms**, steel reinforcement,** and subgrade just before placing concrete. Keep subgrade moisture uniform without standing water, soft spots, or dry areas.

PART 2 - PRODUCTS

2.1 CONCRETE, GENERAL

A. ACI Publications: Comply with ACI 301 unless otherwise indicated.

2.2 FORMS

A. Form Materials: Plywood, metal, metal-framed plywood, or other approved panel-type materials to provide full-depth, continuous, straight, and smooth exposed surfaces.

1. Use flexible or uniformly curved forms for curves with a radius of 100 feet or less. **Do not use notched and bent forms.**

B. Form-Release Agent: Commercially formulated form-release agent that will not bond with, stain, or adversely affect concrete surfaces and that will not impair subsequent treatments of concrete surfaces.

2.3 STEEL REINFORCEMENT

A. Recycled Content of Steel Products: Postconsumer recycled content plus one-half of preconsumer recycled content not less than **25** percent.

B. Plain-Steel Welded-Wire Reinforcement: ASTM A1064/A1064M, fabricated from **as-drawn** steel wire into flat sheets.

C. Deformed-Steel Welded-Wire Reinforcement: ASTM A1064/A1064M, flat sheet.

D. Epoxy-Coated Welded-Wire Reinforcement: ASTM A884/A884M, Class A, plain steel.

E. Reinforcing Bars: ASTM A615/A615M, Grade 60; deformed.

F. Galvanized Reinforcing Bars: ASTM A767/A767M, Class II zinc coated, hot-dip galvanized after fabrication and bending; with ASTM A615/A615M, Grade 60 deformed bars.

G. Epoxy-Coated Reinforcing Bars: ASTM A775/A775M or ASTM A934/A934M; with ASTM A615/A615M, Grade 60 deformed bars.

H. Steel Bar Mats: ASTM A184/A184M; with ASTM A615/A615M, Grade 60 deformed bars; assembled with clips.

I. Plain-Steel Wire: ASTM A1064/A1064M, **as drawn**.

J. Deformed-Steel Wire: ASTM A1064/A1064M.

K. Epoxy-Coated-Steel Wire: ASTM A884/A884M, Class A; coated, **plain**.

L. Joint Dowel Bars: ASTM A615/A615M, Grade 60 plain-steel bars**; zinc coated (galvanized) after fabrication according to ASTM A767/A767M, Class I coating**. Cut bars true to length with ends square and free of burrs.

M. Epoxy-Coated, Joint Dowel Bars: ASTM A775/A775M; with ASTM A615/A615M, Grade 60 plain-steel bars.

N. Tie Bars: ASTM A615/A615M, Grade 60; deformed.

O. Hook Bolts: ASTM A307, Grade A, internally and externally threaded. Design hook-bolt joint assembly to hold coupling against paving form and in position during concreting operations, and to permit removal without damage to concrete or hook bolt.

P. Bar Supports: Bolsters, chairs, spacers, and other devices for spacing, supporting, and fastening reinforcing bars, welded-wire reinforcement, and dowels in place. Manufacture bar supports according to CRSI's "Manual of Standard Practice" from steel wire, plastic, or precast concrete of greater compressive strength than concrete specified, and as follows:

1. Equip wire bar supports with sand plates or horizontal runners where base material will not support chair legs.
2. For epoxy-coated reinforcement, use epoxy-coated or other dielectric-polymer-coated wire bar supports.

Q. Epoxy Repair Coating: Liquid, two-part, epoxy repair coating, compatible with epoxy coating on reinforcement.

R. Zinc Repair Material: ASTM A780/A780M.

2.4 CONCRETE MATERIALS

A. Regional Materials: Concrete shall be manufactured within 500 miles of Project site from aggregates **and cementitious materials** that have been extracted, harvested, or recovered, as well as manufactured, within 500 miles of Project site.

B. Regional Materials: Concrete shall be manufactured within 500 miles of Project site.

C. Regional Materials: Concrete shall be manufactured within 100 miles of Project site from aggregates **and cementitious materials** that have been extracted, harvested, or recovered, as well as manufactured, within 100 miles of Project site.

D. Indigenous Materials: Concrete shall be manufactured within 500 miles of Project site from aggregates **and cementitious materials** that have been extracted, harvested, or recovered, as well as manufactured, within 500 miles of Project site. If materials are transported by rail or water, the distance transported by rail or water shall be multiplied by 0.25 to determine the distance to Project site.

E. Regional Materials: Concrete shall be manufactured within 500 miles of Project site from aggregates **and cementitious materials** that have been extracted, harvested, or recovered, as well as manufactured, within 500 miles of Project site. If materials are transported by rail or water, the distance transported by rail or water shall be multiplied by 0.25 to determine the distance to Project site.

F. Cementitious Materials: Use the following cementitious materials, of same type, brand, and source throughout Project:

1. Portland Cement: ASTM C150/C150M, **gray** portland cement **Type II**.
2. Fly Ash: ASTM C618, **Class C or Class F**.
3. Slag Cement: ASTM C989/C989M, Grade 100 or 120.

4. Blended Hydraulic Cement: ASTM C595/C595M, **Type IS, Type IL, Portland-limestone** cement.

G. Normal-Weight Aggregates: ASTM C33/C33M, **Class 4S**, uniformly graded. Provide aggregates from a single source **with documented service-record data of at least 10 years' satisfactory service in similar paving applications and service conditions using similar aggregates and cementitious materials**.

1. Maximum Coarse-Aggregate Size: 3/4 inch nominal.
2. Fine Aggregate: Free of materials with deleterious reactivity to alkali in cement.

H. Exposed Aggregate: Selected, hard, and durable; washed; free of materials with deleterious reactivity to cement or that cause staining; from a single source, with gap-graded coarse aggregate as follows:

1. Aggregate Sizes: 3/4 to 1 inch nominal.
2. Aggregate Source, Shape, and Color:

I. Air-Entraining Admixture: ASTM C260/C260M.

J. Chemical Admixtures: Admixtures certified by manufacturer to be compatible with other admixtures and to contain not more than 0.1 percent water-soluble chloride ions by mass of cementitious material.

1. Water-Reducing Admixture: ASTM C494/C494M, Type A.
2. Retarding Admixture: ASTM C494/C494M, Type B.
3. Water-Reducing and Retarding Admixture: ASTM C494/C494M, Type D.
4. High-Range, Water-Reducing Admixture: ASTM C494/C494M, Type F.
5. High-Range, Water-Reducing and Retarding Admixture: ASTM C494/C494M, Type G.
6. Plasticizing and Retarding Admixture: ASTM C1017/C1017M, Type II.

K. Color Pigment: ASTM C979/C979M, synthetic mineral-oxide pigments or colored water-reducing admixtures; color stable, **free of carbon black,** nonfading, and resistant to lime and other alkalis.

1. Manufacturers: Subject to compliance with requirements, **available manufacturers offering products that may be incorporated into the Work include, but are not limited to, the following**:

a. Alabama Pigments Company, LLC.
b. Bon Tool Co.
c. Brickform; a division of Solomon Colors.
d. Butterfield Color, Inc.
e. Dynamic Color Solutions, Inc.
f. Euclid Chemical Company (The); an RPM company.
g. Hoover Color Corporation.
h. Lambert Corporation.
i. LANXESS Corporation.
j. Matcrete Inc.
k. NewLook International, Inc.
l. Proline Concrete Tools, Inc.

m. QC Construction Products.
n. Scofield, a Business Unit of Sika Corporation.
o. Solomon Colors Inc.
p. Stampcrete International, Ltd.
q. SureCrete Design Products.
r. Venator Materials PLC.

2. Color: **As selected by Architect from manufacturer's full range**

L. Water: Potable and complying with ASTM C94/C94M.

2.5 FIBER REINFORCEMENT

A. Synthetic Fiber, Monofilament Fibers: Monofilament polypropylene fibers engineered and designed for use in decorative concrete paving, complying with ASTM C1116/C1116M, Type III, 1/2 to 1-1/2 inches long.

1. Manufacturers: Subject to compliance with requirements, **available manufacturers offering products that may be incorporated into the Work include, but are not limited to, the following**:

a. Euclid Chemical Company (The); an RPM company.
b. FiberForce; ABC Polymer Industries, LLC.
c. FORTA Corporation.
d. GCP Applied Technologies Inc.
e. Nycon, Inc.
f. Propex Operating Company, LLC.
g. Sika Corporation.

B. Synthetic Fiber, Fibrillated Fibers: Fibrillated polypropylene fibers engineered and designed for use in decorative concrete paving, complying with ASTM C1116/C1116M, Type III, 1/2 to 1-1/2 inches long.

1. Manufacturers: Subject to compliance with requirements, **available manufacturers offering products that may be incorporated into the Work include, but are not limited to, the following**:

a. Euclid Chemical Company (The); an RPM company.
b. FiberForce; ABC Polymer Industries, LLC.
c. FORTA Corporation.
d. GCP Applied Technologies Inc.
e. Nycon, Inc.
f. Propex Operating Company, LLC.
g. Sika Corporation.

2.6 CURING MATERIALS

A. Absorptive Cover: AASHTO M 182, **Class 3, burlap cloth made from jute or kenaf, weighing approximately** 9 oz./sq. yd.

B. Moisture-Retaining Cover: ASTM C171, polyethylene film or white burlap-polyethylene sheet.

C. Water: Potable.

D. Evaporation Retarder: Waterborne, monomolecular, film forming, manufactured for application to fresh concrete.

1. Manufacturers: Subject to compliance with requirements, **available manufacturers offering products that may be incorporated into the Work include, but are not limited to, the following**:

a. Bon Tool Co.
b. Brickform; a division of Solomon Colors.
c. ChemMasters, Inc.
d. Dayton Superior.
e. Euclid Chemical Company (The); an RPM company.
f. Kaufman Products, Inc.
g. Lambert Corporation.
h. Laticrete International, Inc.
i. Master Builders Solutions.
j. Metalcrete Industries.
k. Nox-Crete Products Group.
l. Sika Corporation.
m. SpecChem, LLC.
n. TK Products.
o. Vexcon Chemicals Inc.
p. W.R. Meadows, Inc.

E. Clear, Waterborne, Membrane-Forming Curing Compound: ASTM C309, Type 1, Class B, dissipating.

1. Manufacturers: Subject to compliance with requirements, **available manufacturers offering products that may be incorporated into the Work include, but are not limited to, the following**:

a. Anti-Hydro International, Inc.
b. ChemMasters, Inc.
c. Dayton Superior.
d. Euclid Chemical Company (The); an RPM company.
e. Kaufman Products, Inc.
f. Lambert Corporation.
g. Laticrete International, Inc.
h. Nox-Crete Products Group.
i. Right Pointe.
j. SpecChem, LLC.

k. TK Products.
l. Unitex by Dayton Superior.
m. Vexcon Chemicals Inc.
n. W.R. Meadows, Inc.

F. White, Waterborne, Membrane-Forming Curing Compound: ASTM C309, Type 2, Class B, dissipating.

1. Manufacturers: Subject to compliance with requirements, **available manufacturers offering products that may be incorporated into the Work include, but are not limited to, the following**:

a. Anti-Hydro International, Inc.
b. ChemMasters, Inc.
c. Dayton Superior.
d. Euclid Chemical Company (The); an RPM company.
e. Kaufman Products, Inc.
f. Lambert Corporation.
g. Laticrete International, Inc.
h. SpecChem, LLC.
i. Vexcon Chemicals Inc.
j. W.R. Meadows, Inc.

2.7 RELATED MATERIALS

A. Joint Fillers: **ASTM D1752, cork or self-expanding cork or ASTM D8139, semirigid, closed-cell polypropylene foam**] in preformed strips.

B. Slip-Resistive Aggregate Finish: Factory-graded, packaged, rustproof, nonglazing, abrasive aggregate of fused aluminum-oxide granules or crushed emery aggregate containing not less than 50 percent aluminum oxide and not less than 20 percent ferric oxide; unaffected by freezing, moisture, and cleaning materials.

C. Bonding Agent: ASTM C1059/C1059M, Type II, non-redispersible, acrylic emulsion or styrene butadiene.

D. Epoxy-Bonding Adhesive: ASTM C881/C881M, two-component epoxy resin capable of humid curing and bonding to damp surfaces; of class suitable for application temperature, of grade complying with requirements, and of the following types:

1. **Types IV and V, load bearing**, for bonding hardened or freshly mixed concrete to hardened concrete.

E. Chemical Surface Retarder: Water-soluble, liquid, set retarder with color dye, for horizontal concrete surface application, capable of temporarily delaying final hardening of concrete to a depth of 1/8 to 1/4 inch.

1. Manufacturers: Subject to compliance with requirements, **available manufacturers offering products that may be incorporated into the Work include, but are not limited to, the following**:

a. ChemMasters, Inc.
b. Dayton Superior.
c. Euclid Chemical Company (The); an RPM company.
d. Kaufman Products, Inc.
e. Nox-Crete Products Group.
f. QC Construction Products.
g. Scofield, a Business Unit of Sika Corporation.
h. Sika Corporation.
i. SpecChem, LLC.
j. TK Products.
k. Vexcon Chemicals Inc.
l. W.R. Meadows, Inc.

F. Pigmented Mineral Dry-Shake Hardener: Factory-packaged, dry combination of portland cement, graded quartz aggregate, color pigments, and plasticizing admixture. Use color pigments that are finely ground, nonfading mineral oxides interground with cement.

1. Manufacturers: Subject to compliance with requirements, **available manufacturers offering products that may be incorporated into the Work include, but are not limited to, the following**:

a. Anti-Hydro International, Inc.
b. Bon Tool Co.
c. Brickform; a division of Solomon Colors.
d. Butterfield Color, Inc.
e. Dayton Superior.
f. Decosup Inc.
g. Dynamic Color Solutions, Inc.
h. Euclid Chemical Company (The); an RPM company.
i. H&C® Decorative Concrete Products; a brand of Sherwin-Williams Co.
j. Kaufman Products, Inc.
k. Lambert Corporation.
l. Laticrete International, Inc.
m. Master Builders Solutions.
n. Metalcrete Industries.
o. Proline Concrete Tools, Inc.
p. QC Construction Products.
q. Scofield, a Business Unit of Sika Corporation.
r. Specialty Concrete Products, Inc.
s. Stampcrete International, Ltd.
t. SuperStone, Inc.
u. SureCrete Design Products.

2. Color: **As selected by Architect from manufacturer's full range**.

G. Rock Salt: Sodium chloride crystals, kiln dried, coarse gradation with 100 percent passing 3/8-inch sieve and 85 percent retained on a No. 8 sieve.

2.8 STAMPED DETECTABLE WARNING MATERIALS

A. Detectable Warning Stamp: Semirigid polyurethane mats with formed underside capable of imprinting detectable warning pattern on plastic concrete; perforated with a vent hole at each dome.

1. Manufacturers: Subject to compliance with requirements, **available manufacturers offering products that may be incorporated into the Work include, but are not limited to, the following**:

a. ADA Solutions, LLC.
b. Advanced Surfaces Inc.
c. Butterfield Color, Inc.
d. Stampcrete International, Ltd.
e. Transpo Industries, Inc.

2. Size of Stamp: One piece, **matching detectable warning area shown on Drawings**.

B. Liquid Release Agent: Manufacturer's standard, clear, evaporating formulation designed to facilitate release of stamp mats.

1. Manufacturers: Subject to compliance with requirements, **available manufacturers offering products that may be incorporated into the Work include, but are not limited to, the following**:

a. Advanced Surfaces Inc.
b. Artcrete, Inc.
c. Bon Tool Co.
d. Brickform; a division of Solomon Colors.
e. Butterfield Color, Inc.
f. Decosup Inc.
g. Matcrete Inc.
h. Proline Concrete Tools, Inc.
i. QC Construction Products.
j. Scofield, a Business Unit of Sika Corporation.
k. Specialty Concrete Products, Inc.
l. Stampcrete International, Ltd.
m. SuperStone, Inc.
n. Venator Materials PLC.

2.9 CONCRETE MIXTURES

A. Prepare design mixtures, proportioned according to ACI 301, for each type and strength of normal-weight concrete, and as determined by either laboratory trial mixtures or field experience.

1. Use a qualified independent testing agency for preparing and reporting proposed concrete design mixtures for the trial batch method.
2. When automatic machine placement is used, determine design mixtures and obtain laboratory test results that comply with or exceed requirements.

B. Cementitious Materials: **Use fly ash, pozzolan, slag cement, and silica fume as needed to reduce the total amount of portland cement, which would otherwise be used, by not less than 40 percent Limit percentage, by weight, of cementitious materials other than portland cement in concrete as follows:**]

1. Fly Ash or Pozzolan: 25 percent.
2. Slag Cement: 50 percent.
3. Combined Fly Ash or Pozzolan, and Slag Cement: 50 percent, with fly ash or pozzolan not exceeding 25 percent.

C. Add air-entraining admixture at manufacturer's prescribed rate to result in normal-weight concrete at point of placement having an air content as follows:

1. Air Content, 1-1/2-inch Nominal Maximum Aggregate Size: **5-1/2** percent plus or minus 1-1/2 percent.
2. Air Content, 1-inch Nominal Maximum Aggregate Size: **4-1/2**percent plus or minus 1-1/2 percent.
3. Air Content, 3/4-inch Nominal Maximum Aggregate Size: **3-1/2** percent plus or minus 1-1/2 percent.

D. Limit water-soluble, chloride-ion content in hardened concrete to **0.15** percent by weight of cement.

E. Chemical Admixtures: Use admixtures according to manufacturer's written instructions.

1. Use **water-reducing admixture**, **high-range, water-reducing admixture, high-range, water-reducing and retarding admixture**, **plasticizing and retarding admixture** in concrete as required for placement and workability.
2. Use water-reducing and retarding admixture when required by high temperatures, low humidity, or other adverse placement conditions.

F. Synthetic Fiber: Uniformly disperse in concrete mixture at manufacturer's recommended rate, but not less than 1.0 lb/cu. yd.

G. Color Pigment: Add color pigment to concrete mixture according to manufacturer's written instructions and to result in hardened concrete color consistent with approved mockup.

H. Concrete Mixtures: Normal-weight concrete.

1. Compressive Strength28 Days: 4000 psi.
2. Maximum W/C Ratio at Point of Placement: **0.45**.
3. Slump Limit: 4 inches, plus or minus 1 inch.
4. Solar Reflectance Index: Not less than 29.
5. Solar Reflectance (SR): Three-year-aged SR value of at least 0.28 or initial SR of at least 0.33.
6. Solar Reflectance (SR): At least 0.30.
7. Solar Reflectance Index: At least 25.

2.10 CONCRETE MIXING

A. Ready-Mixed Concrete: Measure, batch, and mix concrete materials and concrete according to ASTM C94/C94M **and ASTM C1116/C1116M**. Furnish batch certificates for each batch discharged and used in the Work.

1. When air temperature is between 85 and 90 deg F, reduce mixing and delivery time from 1-1/2 hours to 75 minutes; when air temperature is above 90 deg F, reduce mixing and delivery time to 60 minutes.

B. Project-Site Mixing: Measure, batch, and mix concrete materials and concrete according to ASTM C94/C94M. Mix concrete materials in appropriate drum-type batch machine mixer.

1. For concrete batches of 1 cu. yd. or smaller, continue mixing at least 1-1/2 minutes, but not more than 5 minutes after ingredients are in mixer, before any part of batch is released.
2. For concrete batches larger than 1 cu. yd., increase mixing time by 15 seconds for each additional 1 cu. yd..
3. Provide batch ticket for each batch discharged and used in the Work, indicating Project identification name and number, date, mixture type, mixing time, quantity, and amount of water added.

PART 3 - EXECUTION

3.1 EXAMINATION

A. Examine exposed subgrades and subbase surfaces for compliance with requirements for dimensional, grading, and elevation tolerances.

B. Proof-roll prepared subbase surface below **concrete paving** to identify soft pockets and areas of excess yielding.

1. Completely proof-roll subbase in one direction **and repeat in perpendicular direction**. Limit vehicle speed to 3 mph.
2. Proof-roll with a pneumatic-tired and loaded, 10-wheel, tandem-axle dump truck weighing not less than 15 tons.
3. Correct subbase with soft spots and areas of pumping or rutting exceeding depth of 1/2 inch according to requirements in Section 312000 "Earth Moving."

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

3.2 PREPARATION

A. Remove loose material from compacted subbase surface immediately before placing concrete.

3.3 EDGE FORMS AND SCREED CONSTRUCTION

A. Set, brace, and secure edge forms, bulkheads, and intermediate screed guides to required lines, grades, and elevations. Install forms to allow continuous progress of work and so forms can remain in place at least 24 hours after concrete placement.

B. Clean forms after each use and coat with form-release agent to ensure separation from concrete without damage.

3.4 INSTALLATION OF STEEL REINFORCEMENT

A. General: Comply with CRSI's "Manual of Standard Practice" for fabricating, placing, and supporting reinforcement.

B. Clean reinforcement of loose rust and mill scale, earth, ice, or other bond-reducing materials.

C. Arrange, space, and securely tie bars and bar supports to hold reinforcement in position during concrete placement. Maintain minimum cover to reinforcement.

D. Install welded-wire reinforcement in lengths as long as practicable. Lap adjoining pieces at least one full mesh, and lace splices with wire. Offset laps of adjoining widths to prevent continuous laps in either direction.

E. Zinc-Coated Reinforcement: Use galvanized-steel wire ties to fasten zinc-coated reinforcement. Repair cut and damaged zinc coatings with zinc repair material.

F. Epoxy-Coated Reinforcement: Use epoxy-coated steel wire ties to fasten epoxy-coated reinforcement. Repair cut and damaged epoxy coatings with epoxy repair coating according to ASTM D3963/D3963M.

G. Install fabricated bar mats in lengths as long as practicable. Handle units to keep them flat and free of distortions. Straighten bends, kinks, and other irregularities, or replace units as required before placement. Set mats for a minimum 2-inch overlap of adjacent mats.

3.5 JOINTS

A. General: Form construction, isolation, and contraction joints and tool edges true to line, with faces perpendicular to surface plane of concrete. Construct transverse joints at right angles to centerline unless otherwise indicated.

1. When joining existing paving, place transverse joints to align with previously placed joints unless otherwise indicated.

B. Construction Joints: Set construction joints at side and end terminations of paving and at locations where paving operations are stopped for more than one-half hour unless paving terminates at isolation joints.

1. Continue steel reinforcement across construction joints unless otherwise indicated. Do not continue reinforcement through sides of paving strips unless otherwise indicated.

2. Provide tie bars at sides of paving strips where indicated.
3. Butt Joints: Use **bonding agent** at joint locations where fresh concrete is placed against hardened or partially hardened concrete surfaces.
4. Keyed Joints: Provide preformed keyway-section forms or bulkhead forms with keys unless otherwise indicated. Embed keys at least 1-1/2 inches into concrete.
5. Doweled Joints: Install dowel bars and support assemblies at joints where indicated. Lubricate or coat with asphalt one-half of dowel length to prevent concrete bonding to one side of joint.

C. Isolation Joints: Form isolation joints of preformed joint-filler strips abutting concrete curbs, catch basins, manholes, inlets, structures, other fixed objects, and where indicated.

1. Locate expansion joints at intervals of 50 feet unless otherwise indicated.
2. Extend joint fillers full width and depth of joint.
3. Terminate joint filler not less than 1/2 inch or more than 1 inch below finished surface if joint sealant is indicated.
4. Place top of joint filler flush with finished concrete surface if joint sealant is not indicated.
5. Furnish joint fillers in one-piece lengths. Where more than one length is required, lace or clip joint-filler sections together.
6. During concrete placement, protect top edge of joint filler with metal, plastic, or other temporary preformed cap. Remove protective cap after concrete has been placed on both sides of joint.

D. Contraction Joints: Form weakened-plane contraction joints, sectioning concrete into areas as indicated. Construct contraction joints for a depth equal to at least one-fourth of the concrete thickness, as follows**, to match jointing of existing adjacent concrete paving**:

1. Grooved Joints: Form contraction joints after initial floating by grooving and finishing each edge of joint with grooving tool to a 3/8-inch radius. Repeat grooving of contraction joints after applying surface finishes **Eliminate grooving-tool marks on concrete surfaces.**

    a. Tolerance: Ensure that grooved joints are within 3 inches either way from centers of dowels.

2. Sawed Joints: Form contraction joints with power saws equipped with shatterproof abrasive or diamond-rimmed blades. Cut 1/8-inch- wide joints into concrete when cutting action will not tear, abrade, or otherwise damage surface and before developing random contraction cracks.

    a. Tolerance: Ensure that sawed joints are within 3 inches either way from centers of dowels.

3. Doweled Contraction Joints: Install dowel bars and support assemblies at joints where indicated. Lubricate or coat with asphalt one-half of dowel length to prevent concrete bonding to one side of joint.

E. Edging: After initial floating, tool edges of paving, gutters, curbs, and joints in concrete with an edging tool to a 3/8-inch radius. Repeat tooling of edges after applying surface finishes. **Eliminate edging-tool marks on concrete surfaces.**

3.6 CONCRETE PLACEMENT

A. Before placing concrete, inspect and complete formwork installation**, steel reinforcement,** and items to be embedded or cast-in.

B. Remove snow, ice, or frost from subbase surface **and steel reinforcement** before placing concrete. Do not place concrete on frozen surfaces.

C. Moisten subbase to provide a uniform dampened condition at time concrete is placed. Do not place concrete around manholes or other structures until they are at required finish elevation and alignment.

D. Comply with ACI 301 requirements for measuring, mixing, transporting, and placing concrete.

E. Do not add water to concrete during delivery or at Project site. Do not add water to fresh concrete after testing.

F. Deposit and spread concrete in a continuous operation between transverse joints. Do not push or drag concrete into place or use vibrators to move concrete into place.

G. Consolidate concrete according to ACI 301 by mechanical vibrating equipment supplemented by hand spading, rodding, or tamping.

1. Consolidate concrete along face of forms and adjacent to transverse joints with an internal vibrator. Keep vibrator away from joint assemblies**, reinforcement,** or side forms. Use only square-faced shovels for hand spreading and consolidation. Consolidate with care to prevent dislocating **reinforcement**, **dowels**, **and** joint devices.

H. Screed paving surface with a straightedge and strike off.

I. Commence initial floating using bull floats or darbies to impart an open-textured and uniform surface plane before excess moisture or bleedwater appears on the surface. Do not further disturb concrete surfaces before beginning finishing operations or spreading surface treatments.

J. Curbs and Gutters: Use design mixture for automatic machine placement. Produce curbs and gutters to required cross section, lines, grades, finish, and jointing.

K. Slip-Form Paving: Use design mixture for automatic machine placement. Produce paving to required thickness, lines, grades, finish, and jointing.

1. Compact subbase and prepare subgrade of sufficient width to prevent displacement of slip-form paving machine during operations.

3.7 FLOAT FINISHING

A. General: Do not add water to concrete surfaces during finishing operations.

B. Float Finish: Begin the second floating operation when bleedwater sheen has disappeared and concrete surface has stiffened sufficiently to permit operations. Float surface with power-driven floats or by hand floating if area is small or inaccessible to power units. Finish surfaces to true planes. Cut down high spots and fill low spots. Refloat surface immediately to uniform granular texture.

1. Burlap Finish: Drag a seamless strip of damp burlap across float-finished concrete, perpendicular to line of traffic, to provide a uniform, gritty texture.
2. Medium-to-Fine-Textured Broom Finish: Draw a soft-bristle broom across float-finished concrete surface, perpendicular to line of traffic, to provide a uniform, fine-line texture.
3. Medium-to-Coarse-Textured Broom Finish: Provide a coarse finish by striating float-finished concrete surface 1/16 to 1/8 inch deep with a stiff-bristled broom, perpendicular to line of traffic.

3.8 SPECIAL FINISHES

A. Monolithic Exposed-Aggregate Finish: Expose coarse aggregate in paving surface as follows:

1. Immediately after float finishing, spray-apply chemical surface retarder to paving according to manufacturer's written instructions.
2. Cover paving surface with plastic sheeting, sealing laps with tape, and remove when ready to continue finishing operations.
3. Without dislodging aggregate, remove mortar concealing the aggregate by lightly brushing surface with a stiff, nylon-bristle broom. Do not expose more than one-third of the average diameter of the aggregate and not more than one-half of the diameter of the smallest aggregate.
4. Fine-spray surface with water and brush. Repeat cycle of water flushing and brushing until cement film is removed from aggregate surfaces to depth required.

B. Seeded Exposed-Aggregate Finish: Immediately after initial floating, spread a single layer of aggregate uniformly on paving surface. Tamp aggregate into plastic concrete and float finish to entirely embed aggregate with mortar cover of 1/16 inch.

1. Spray-apply chemical surface retarder to paving according to manufacturer's written instructions.
2. Cover paving surface with plastic sheeting, sealing laps with tape, and remove sheeting when ready to continue finishing operations.
3. Without dislodging aggregate, remove mortar concealing the aggregate by lightly brushing surface with a stiff, nylon-bristle broom. Do not expose more than one-third of the average diameter of the aggregate and not more than one-half of the diameter of the smallest aggregate.
4. Fine-spray surface with water and brush. Repeat cycle of water flushing and brushing until cement film is removed from aggregate surfaces to depth required.

C. Slip-Resistive Aggregate Finish: Before final floating, spread slip-resistive aggregate finish on paving surface according to manufacturer's written instructions and as follows:

1. Uniformly spread 40 lb/100 sq. ft.of dampened, slip-resistive aggregate over paving surface in two applications. Tamp aggregate flush with surface using a steel trowel, but do not force below surface.

2. Uniformly distribute approximately two-thirds of slip-resistive aggregate over paving surface with mechanical spreader, allow to absorb moisture, and embed by power floating. Follow power floating with a second slip-resistive aggregate application, uniformly distributing remainder of material at right angles to first application to ensure uniform coverage, and embed by power floating.
3. Cure concrete with curing compound recommended by slip-resistive aggregate manufacturer. Apply curing compound immediately after final finishing.
4. After curing, lightly work surface with a steel-wire brush or abrasive stone and water to expose nonslip aggregate.

D. Rock-Salt Finish: After initial **brooming**, uniformly spread rock salt over paving surface at the rate of 5 lb/100 sq. ft..

1. Embed rock salt into plastic concrete with **roller or magnesium float**.
2. Cover paving surface with 1-mil- thick polyethylene sheet and remove sheet when concrete has hardened and seven-day curing period has elapsed.
3. After seven-day curing period, saturate concrete with water and broom-sweep surface to dissolve remaining rock salt, thereby leaving pits and holes.

E. Pigmented Mineral Dry-Shake Hardener Finish: After initial floating, apply dry-shake materials to paving surface according to manufacturer's written instructions and as follows:

1. Uniformly spread dry-shake hardener at a rate of 100 lb/100 sq. ft. unless greater amount is recommended by manufacturer to match paving color required.
2. Uniformly distribute approximately two-thirds of dry-shake hardener over the concrete surface with mechanical spreader; allow hardener to absorb moisture and embed it by power floating. Follow power floating with a second application of pigmented mineral dry-shake hardener, uniformly distributing remainder of material at right angles to first application to ensure uniform color, and embed hardener by final power floating.
3. After final power floating, apply a hand-troweled finish followed by a broom finish.
4. Cure concrete with curing compound recommended by dry-shake hardener manufacturer. Apply curing compound immediately after final finishing.

3.9 INSTALLATION OF DETECTABLE WARNINGS

A. Blockouts: Form blockouts in concrete for installation of detectable paving units specified in Section 321726 "Tactile Warning Surfacing."

1. Tolerance for Opening Size: **Plus** 1/4 inch**, no minus**.

B. Cast-in-Place Detectable Warning Tiles: Form blockouts in concrete for installation of tiles specified in Section 321726 "Tactile Warning Surfacing." Screed surface of concrete where tiles are to be installed to elevation, so that edges of installed tiles will be flush with surrounding concrete paving. Embed tiles in fresh concrete to comply with Section 321726 "Tactile Warning Surfacing" immediately after screeding concrete surface.

C. Stamped Detectable Warnings: Install stamped detectable warnings as part of a continuous concrete paving placement and according to stamp-mat manufacturer's written instructions.

1. Before using stamp mats, verify that the vent holes are unobstructed.

2. Apply liquid release agent to the concrete surface and the stamp mat.
3. Stamping: **After application and final floating of pigmented mineral dry-shake hardener**, accurately align and place stamp mats in sequence. Uniformly load, gently vibrate, and press mats into concrete to produce imprint pattern on concrete surface. Load and tamp mats directly perpendicular to the stamp-mat surface to prevent distortion in shape of domes. Press and tamp until mortar begins to come through all of the vent holes. Gently remove stamp mats.
4. Trimming: After **24** hours, cut off the tips of mortar formed by the vent holes.
5. Remove residual release agent according to manufacturer's written instructions, but no fewer than three days after stamping concrete. High-pressure-wash surface and joint patterns, taking care not to damage stamped concrete. Control, collect, and legally dispose of runoff.

3.10 CONCRETE PROTECTION AND CURING

A. General: Protect freshly placed concrete from premature drying and excessive cold or hot temperatures.

B. Comply with ACI 306.1 for cold-weather protection.

C. Evaporation Retarder: Apply evaporation retarder to concrete surfaces if hot, dry, or windy conditions cause moisture loss approaching 0.2 lb/sq. ft. x h before and during finishing operations. Apply according to manufacturer's written instructions after placing, screeding, and bull floating or darbying concrete but before float finishing.

D. Begin curing after finishing concrete but not before free water has disappeared from concrete surface.

E. Curing Methods: Cure concrete by **moisture-retaining-cover curing or a combination of these** as follows:

1. Moisture Curing: Keep surfaces continuously moist for not less than seven days with the following materials:

    a. Water.
    b. Continuous water-fog spray.
    c. Absorptive cover, water saturated and kept continuously wet. Cover concrete surfaces and edges with 12-inch lap over adjacent absorptive covers.

2. Moisture-Retaining-Cover Curing: Cover concrete surfaces with moisture-retaining cover, placed in widest practicable width, with sides and ends lapped at least 12 inches, and sealed by waterproof tape or adhesive. Immediately repair any holes or tears occurring during installation or curing period, using cover material and waterproof tape.
3. Curing Compound: Apply uniformly in continuous operation by power spray or roller according to manufacturer's written instructions. Recoat areas subjected to heavy rainfall within three hours after initial application. Maintain continuity of coating, and repair damage during curing period.

3.11 PAVING TOLERANCES

A. Comply with tolerances in ACI 117 and as follows:

1. Elevation: 3/4 inch.
2. Thickness: Plus 3/8 inch, minus 1/4 inch.
3. Surface: Gap below 10-feet- long; unleveled straightedge not to exceed 1/2 inch.
4. Alignment of Tie-Bar End Relative to Line Perpendicular to Paving Edge: 1/2 inch per 12 inches of tie bar.
5. Lateral Alignment and Spacing of Dowels: 1 inch.
6. Vertical Alignment of Dowels: 1/4 inch.
7. Alignment of Dowel-Bar End Relative to Line Perpendicular to Paving Edge: 1/4 inch per 12 inches of dowel.
8. Joint Spacing: 3 inches.
9. Contraction Joint Depth: Plus 1/4 inch, no minus.
10. Joint Width: Plus 1/8 inch, no minus.

3.12 FIELD QUALITY CONTROL

A. Testing Agency: **Engage** a qualified testing agency to perform tests and inspections.

B. Testing Services: Testing and inspecting of composite samples of fresh concrete obtained according to ASTM C172/C172M will be performed according to the following requirements:

1. Testing Frequency: Obtain at least one composite sample for each 5000 sq. ft. or fraction thereof of each concrete mixture placed each day.

    a. When frequency of testing will provide fewer than five compressive-strength tests for each concrete mixture, testing to be conducted from at least five randomly selected batches or from each batch if fewer than five are used.

2. Slump: ASTM C143/C143M; one test at point of placement for each composite sample, but not less than one test for each day's pour of each concrete mixture. Perform additional tests when concrete consistency appears to change.
3. Air Content: ASTM C231/C231M, pressure method; one test for each composite sample, but not less than one test for each day's pour of each concrete mixture.
4. Concrete Temperature: ASTM C1064/C1064M; one test hourly when air temperature is 40 deg F and below and when it is 80 deg F and above, and one test for each composite sample.
5. Compression Test Specimens: ASTM C31/C31M; cast and laboratory cure one set of three standard cylinder specimens for each composite sample.
6. Compressive-Strength Tests: ASTM C39/C39M; test one specimen at seven days and two specimens at 28 days.

    a. A compressive-strength test to be the average compressive strength from two specimens obtained from same composite sample and tested at 28 days.

C. Strength of each concrete mixture will be satisfactory if average of any three consecutive compressive-strength tests equals or exceeds specified compressive strength and no compressive-strength test value falls below specified compressive strength by more than 500 psi.

D. Test results to be reported in writing to Architect, concrete manufacturer, and Contractor within 48 hours of testing. Reports of compressive-strength tests to contain Project identification name and number, date of concrete placement, name of concrete testing and inspecting agency, location of concrete batch in Work, design compressive strength at 28 days, concrete mixture proportions and materials, compressive breaking strength, and type of break for both 7- and 28-day tests.

E. Nondestructive Testing: Impact hammer, sonoscope, or other nondestructive device may be permitted by Architect but will not be used as sole basis for approval or rejection of concrete.

F. Additional Tests: Testing and inspecting agency will make additional tests of concrete when test results indicate that slump, air entrainment, compressive strengths, or other requirements have not been met, as directed by Architect.

G. Concrete paving will be considered defective if it does not pass tests and inspections.

H. Additional testing and inspecting, at Contractor's expense, will be performed to determine compliance of replaced or additional work with specified requirements.

I. Prepare test and inspection reports.

3.13 REPAIR AND PROTECTION

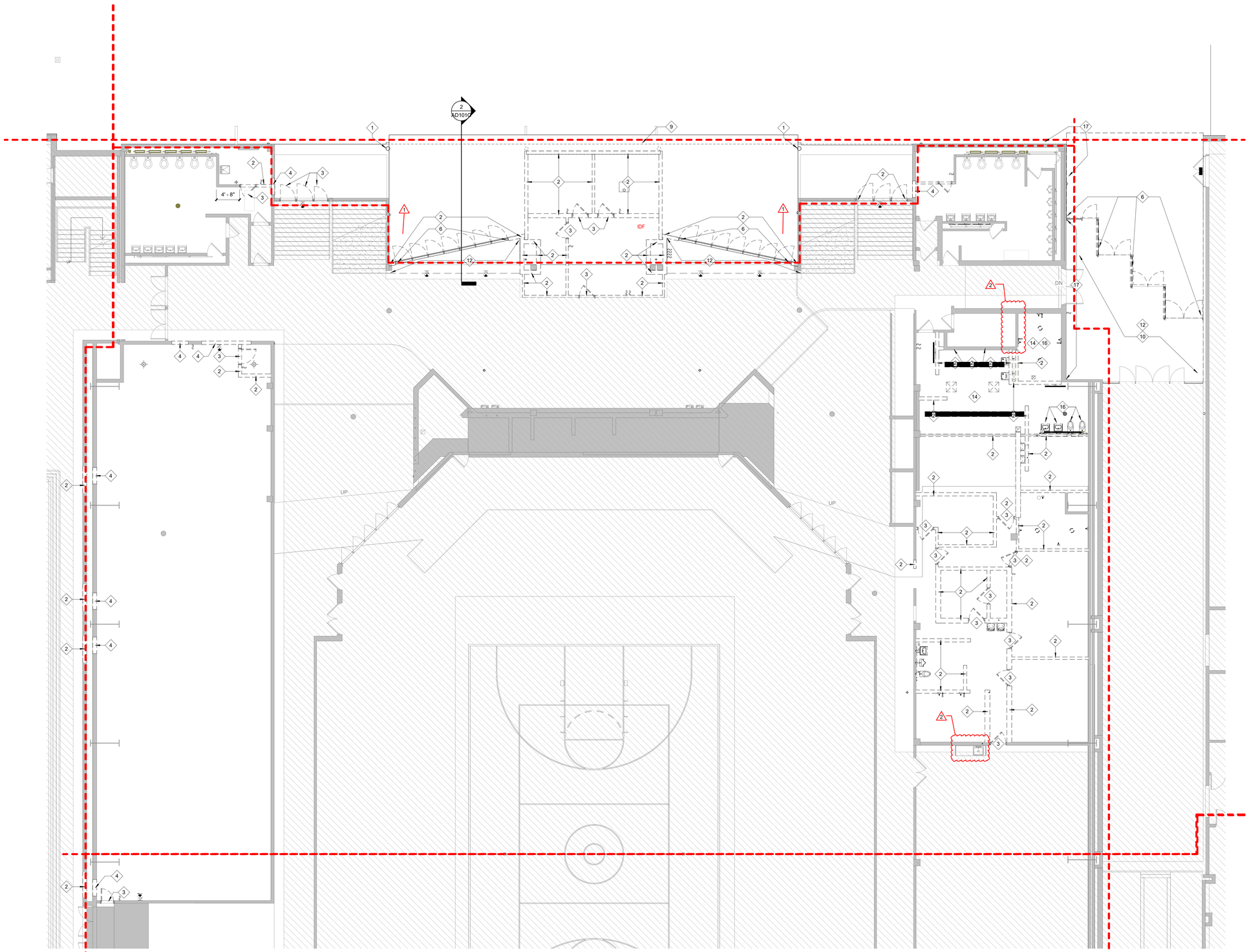
A. Remove and replace concrete paving that is broken, damaged, or defective or that does not comply with requirements in this Section. Remove work in complete sections from joint to joint unless otherwise approved by Architect.

B. Drill test cores, where directed by Architect, when necessary to determine magnitude of cracks or defective areas. Fill drilled core holes in satisfactory paving areas with portland cement concrete bonded to paving with epoxy adhesive.

C. Protect concrete paving from damage. Exclude traffic from paving for at least 14 days after placement. When construction traffic is permitted, maintain paving as clean as possible by removing surface stains and spillage of materials as they occur.

D. Maintain concrete paving free of stains, discoloration, dirt, and other foreign material. Sweep paving not more than two days before date scheduled for Substantial Completion inspections.

END OF SECTION



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

GENERAL NOTES

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B. WALLS TO BE REMOVED SHALL BE REMOVED TO A POINT (2" MIN) BELOW THE EXISTING FLOOR SLAB UNLESS NOTED OTHERWISE.

C. "FLOORING" DENOTES FLOOR COVERING MATERIALS INCLUDING BACKINGS, ADHESIVE BASES, DOWN TO BUT EXCLUSIVE OF FLOOR SLABS AND STRUCTURAL MATERIALS, UNLESS NOTED OTHERWISE.

D. "CEILING" DENOTES CEILING MATERIALS INCLUDING SUSPENSION SYSTEMS, ADHESIVE, MOLDINGS, UP TO BUT EXCLUSIVE OF STRUCTURAL MATERIALS.

E. AFTER THE DEMOLITION OF MATERIALS, THE RESULTING EXPOSED SURFACE SHALL BE SMOOTH AND FLUSH WITH EXISTING CONDITIONS.

F. COORDINATE THIS WORK WITH DEMOLITION AND NEW WORK ON CIVIL, STRUCTURAL, PLUMBING, MECHANICAL, ELECTRICAL, AND TECHNOLOGY SHEETS.

G. MATERIALS OF DEMOLITION SHALL BE DISPOSED OF OFF-SITE UNLESS OTHERWISE DIRECTED BY OWNER. THE OWNER SHALL RESERVE RIGHT TO CLAIM ANY MATERIALS THAT ARE BEING DEMOLISHED PRIOR TO THE CONTRACTOR DISPOSING OF THEM OFF-SITE.

H. "TURNED OVER TO THE OWNER" DENOTES 1) TAG AND IDENTIFY ITEMS; 2) STORE IN AN ORDERLY FASHION IN A LOCATION DESIGNATED BY THE OWNER.

I. OWNER TO REMOVE EXISTING FURNITURE AND MISCELLANEOUS ITEMS NOT SHOWN AND NOT TO BE DEMOLISHED. CONTRACTOR TO NOTIFY OWNER IN ADVANCE WHEN ITEMS NEED TO BE REMOVED. CONTRACTOR IS RESPONSIBLE FOR OTHER ITEMS TO BE REMOVED.

J. ITEMS TO BE PATCHED: REMOVE ALL LOOSE OR DAMAGED MATERIAL. REFINISH TO LIKE NEW CONDITION, OR IF CONDITION WARRANTS REPLACE IN ENTIRETY.

K. CLEAN, PATCH AND PREP SURFCAES FOR NEW WORK AFTER DEMOLITION

L. PROTECT AREAS ADJACENT TO AREAS OF DEMOLITION. CONTRACTOR IS RESPONIBLE TO REPAIR ADJACENT SURFACES THAT DAMAGED.

OUT OF SCOPE

PLAN NOTES - DEMOLITION

1 EXISTING TO REMAIN.
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8 REMOVE MILLWORK/CASEWORK COMPLETE.
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15 REMOVE MECHANICAL EQUIPMENT. SEE MECHANICAL.
16 REMOVE PLUMBING FIXTURE COMPLETE. SEE PLUMBING DWGS.
17 REMOVE METAL SOFFIT AND FASCIA - PANELS AND FRAMING . PATCH, PREP, AND PRIME SURFACE FOR NEW FINISH.
18 REMOVE ROOF COMPLETE

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REGISTERED
NO
880039
STATE OF
INDIANA

REVISIONS:

#	Date	Desc.
1	07/31/2026	Addendum #01
2	08/06/2026	Addendum #02

100% CONSTRUCTION DOCUMENTS

PROJECT: #24173S
DATE: 07/10/2026
DRAWN BY: Author

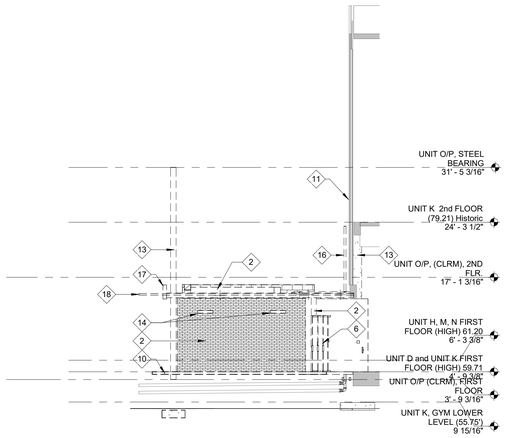
DEMOLITION PLAN - FIRST FLOOR - UNIT K

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2 WallSection Ph02 32 Demo

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

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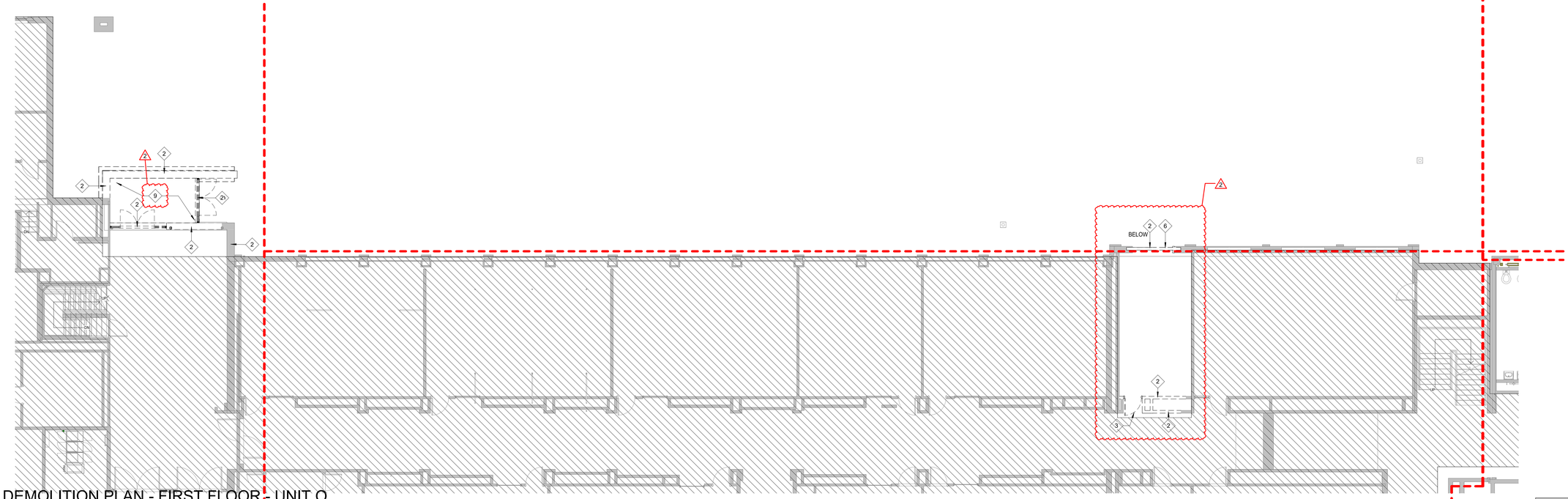
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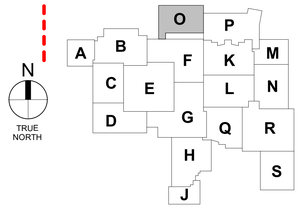
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OUT OF SCOPE



1 DEMOLITION PLAN - FIRST FLOOR - UNIT O

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



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PERRY TOWNSHIP SCHOOLS
ADDITION AND RENOVATIONS
971 EAST BANTA ROAD, INDIANAPOLIS, IN 46227

REVISIONS:

#	Date	Desc.
2	08/06/2026	Addendum #02

100% CONSTRUCTION DOCUMENTS

PROJECT:	#24173S
DATE:	07/10/2026
DRAWN BY:	Author

DEMOLITION PLAN - FIRST FLOOR - UNIT O

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E. AFTER THE DEMOLITION OF MATERIALS, THE RESULTING EXPOSED SURFACE SHALL BE SMOOTH AND FLUSH WITH EXISTING CONDITIONS.

F. COORDINATE THIS WORK WITH DEMOLITION AND NEW WORK ON CIVIL, STRUCTURAL, PLUMBING, MECHANICAL, ELECTRICAL, AND TECHNOLOGY SHEETS.

G. MATERIALS OF DEMOLITION SHALL BE DISPOSED OF OFF-SITE UNLESS OTHERWISE DIRECTED BY OWNER. THE OWNER SHALL RESERVE RIGHT TO CLAIM ANY MATERIALS THAT ARE BEING DEMOLISHED PRIOR TO THE CONTRACTOR DISPOSING OF THEM OFF-SITE.

H. "TURNED OVER TO THE OWNER" DENOTES 1) TAG AND IDENTIFY ITEMS; 2) STORE IN AN ORDERLY FASHION IN A LOCATION DESIGNATED BY THE OWNER.

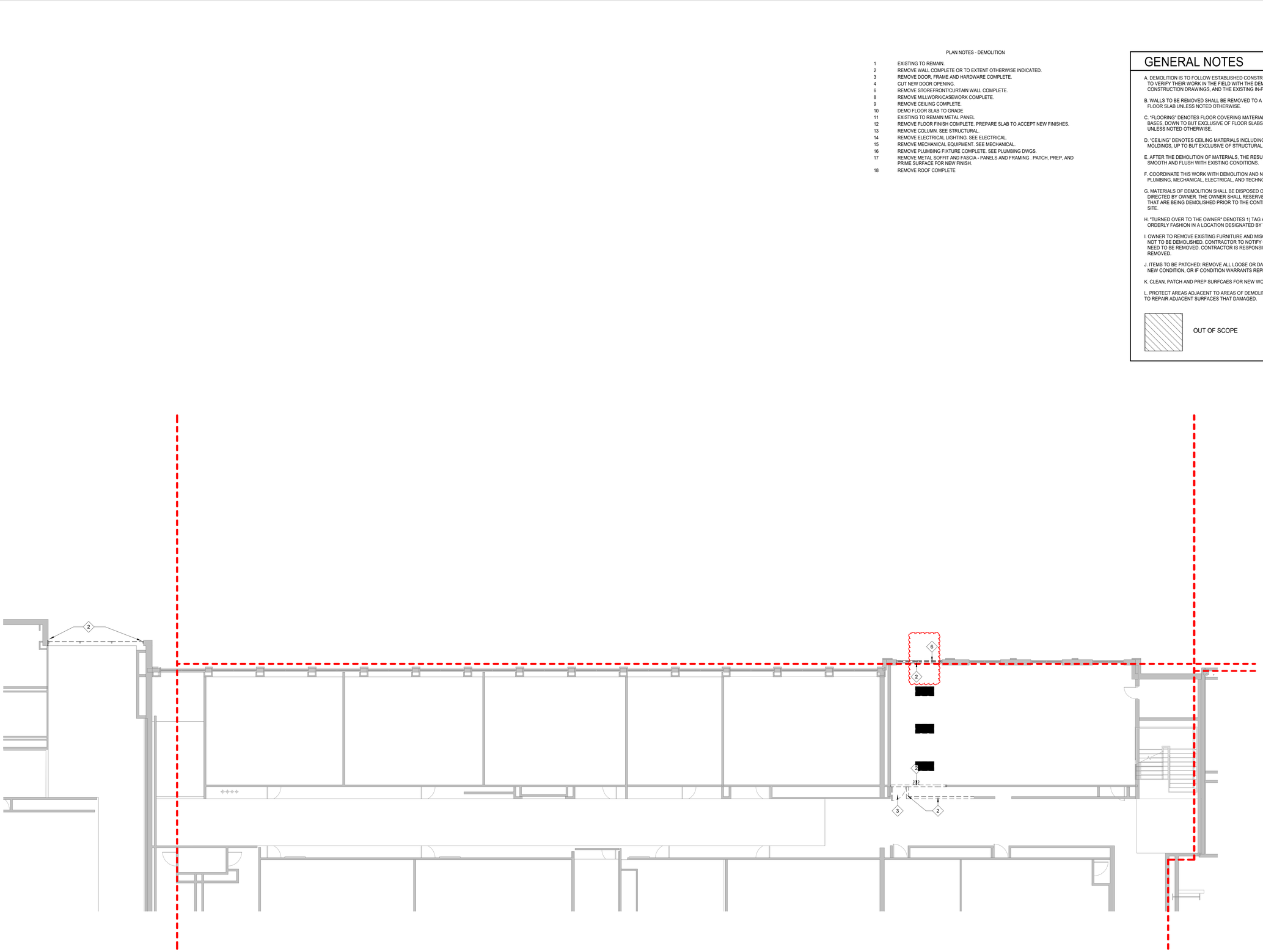
I. OWNER TO REMOVE EXISTING FURNITURE AND MISCELLANEOUS ITEMS NOT SHOWN AND NOT TO BE DEMOLISHED. CONTRACTOR TO NOTIFY OWNER IN ADVANCE WHEN ITEMS NEED TO BE REMOVED. CONTRACTOR IS RESPONSIBLE FOR OTHER ITEMS TO BE REMOVED.

J. ITEMS TO BE PATCHED: REMOVE ALL LOOSE OR DAMAGED MATERIAL. REFINISH TO LIKE NEW CONDITION, OR IF CONDITION WARRANTS REPLACE IN ENTIRETY.

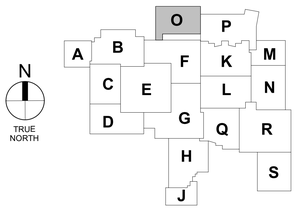
K. CLEAN, PATCH AND PREP SURFCAES FOR NEW WORK AFTER DEMOLITION

L. PROTECT AREAS ADJACENT TO AREAS OF DEMOLITION. CONTRACTOR IS RESPONIBLE TO REPAIR ADJACENT SURFACES THAT DAMAGED.

OUT OF SCOPE



1 DEMOLITION PLAN - SECOND FLOOR - UNIT O
SCALE: 1/8" = 1'-0"



N
TRUE NORTH

LANCER ASSOCIATES ARCHITECTURE
145 NORTH EAST STREET
INDIANAPOLIS, IN 46204

PERRY TOWNSHIP SCHOOLS
ADDITION AND RENOVATIONS
971 EAST BANTA ROAD, INDIANAPOLIS, IN 46227

JERRY L. PRITCHETT
REGISTERED
NO. 8900133
STATE OF INDIANA

REVISIONS:

#	Date	Desc.
2	08/06/2026	Addendum #02

100% CONSTRUCTION DOCUMENTS

PROJECT: #24173S
DATE: 07/10/2026
DRAWN BY: Author

DEMOLITION PLAN - SECOND FLOOR - UNIT O

AD102O

PLOT DATE/TIME:8/6/2026 2:12:01 PM

GENERAL NOTES

A. PROVIDE CORNER GUARDS AT ALL OUTSIDE CORNERS WITH GYPSUM BOARD FINISH.

B. PROVIDE BULL-NOSE FINISH ON ALL OUTSIDE CORNERS OF CMU WALLS

C. SEE ELEVATIONS FOR EXTERIOR MASONRY TYPE AND SIZES

D. PROVIDE SOLID SURFACE WINDOW SILLS @ ALL STOREFRONT GLAZING SILLS ABOVE FINISHED FLOOR HEIGHT. WINDOW SILL TO EXTEND 1" PAST FINISHED WALL SURFACE, TYP. UNLESS NOTED OTHERWISE

E. VIF ALL DIMENSIONS FOR WINDOWS AND CASEWORK

F. INTERIOR DIMENSIONS ARE TAKEN TO THE FACE OF MASONRY OR STUDS

G. FOR ALL RESTROOM FACILITIES WITH GYPSUM WALL FINISH REPLACE 5/8" TYPE "X" GYPSUM BOARD WITH 5/8" MOISTURE RESISTANT GYPSUM BOARD, SEE SPECS FOR DETAILS

H. WHERE COLUMNS ARE NOT INDICATED TO BE WRAPPED, PAINT PT-1.

I. WALLS TO GO UP TO DECK UNLESS NOTED OTHERWISE

J. PROVIDE WINDOW SHADES AT ALL EXTERIOR PUNCHED OPENINGS, INCLUDING WHERE INDICATED ON PLANS. 1

K. FURNITURE SHOWN FOR VISUAL REPRESENTATION ONLY, TO BE PROVIDED BY OWNER.

OUT OF SCOPE

PLAN NOTES - FLOOR PLAN

1 SIDEWALK, SEE CIVIL/LANDSCAPE
2 CONCRETE RAMP, SEE CIVIL.
3 CONCRETE RETAINING WALL WITH STEEL HANDRAIL. SEE CIVIL.
4 ACCESS CONTROL READER. SEE SPECS AND TECH DRAWINGS.
5 ADA ACCESS PADDLE. SEE SPECFICIATIONS FOR ADDITIONAL INFORMATION.
6 LINE OF CANOPY ABOVE.
7 FACTORY FINISHED HANDRAIL. SEE DETAIL ON A402.
8 FACTORY FINISHED RAMP HANDRAIL. SEE DETAIL ON A402.
9 NEW CASEWORK
10 WALL MOUNTED SMART TV
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15 ALIGN BOTTOM OF RAMP WITH FACE OF WALL
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17 IN FILL WALL TO MATCH ADJACENT WALL. ALIGN WALL FACES
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19 BENCH SEAT WITH SOLID SURFACE TOP AND PLASTIC LAMINATE FINISH FRONT AND SIDES. SEE INTERIORS.
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LANCER ASSOCIATES ARCHITECTURE
145 NORTH EAST STREET
INDIANAPOLIS, IN 46204

PERRY TOWNSHIP SCHOOLS
ADDITION AND RENOVATIONS
971 EAST BANTA ROAD, INDIANAPOLIS, IN 46227

REVISIONS:

#	Date	Desc.
1	07/31/2026	Addendum #01
2	08/06/2026	Addendum #02

100% CONSTRUCTION DOCUMENTS

PROJECT:	#24173S
DATE:	07/10/2026
DRAWN BY:	EL,bjz

FLOOR PLAN - FIRST FLOOR - UNIT K

A101K

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

PLOT DATE/TIME:8/6/2026 2:21:51 PM

PLAN NOTES - FLOOR PLAN

1 SIDEWALK, SEE CIVIL/LANDSCAPE
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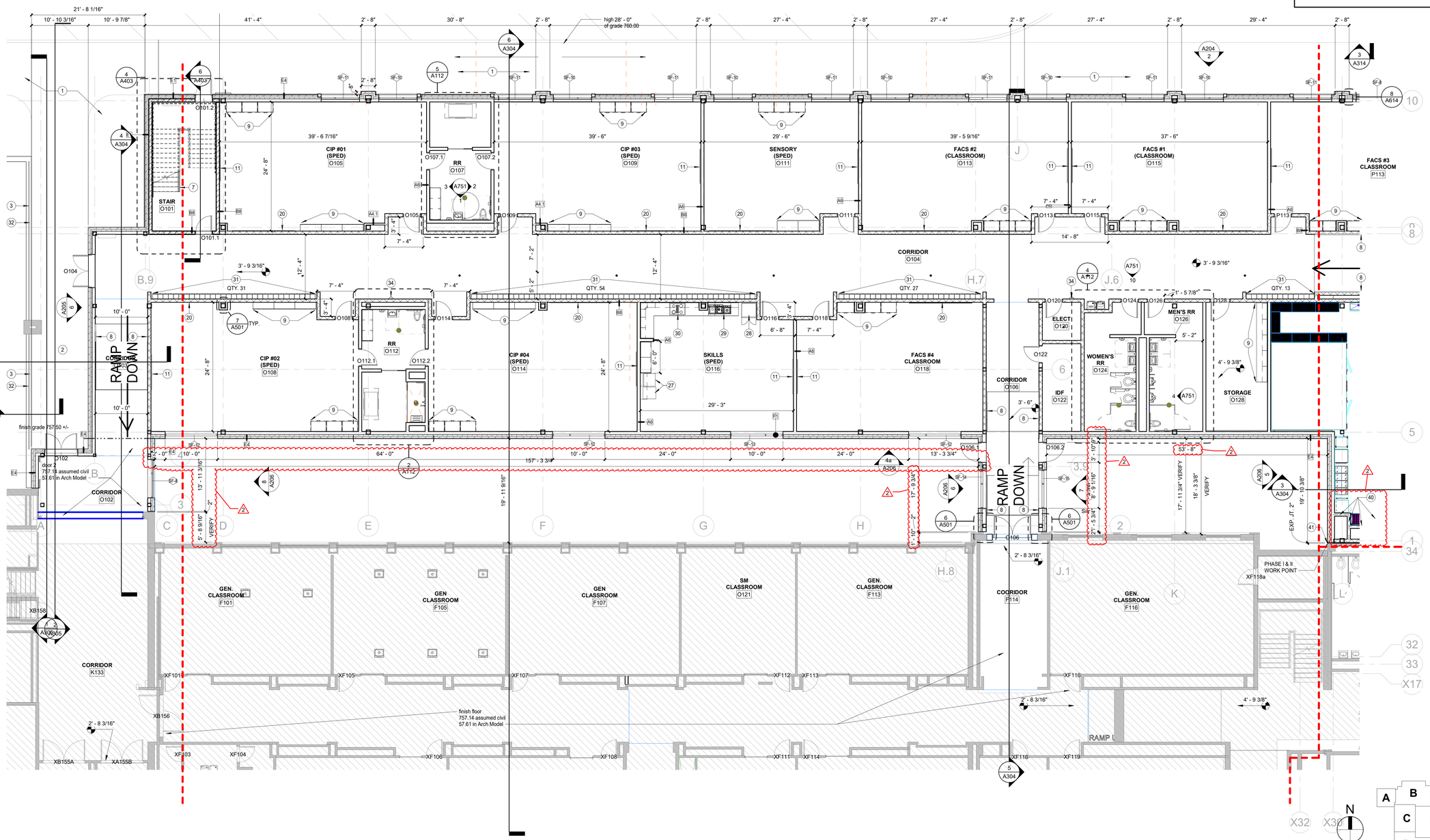
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OUT OF SCOPE



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

PLOT DATE/TIME:8/6/2026 2:21:03 PM

LANCER ASSOCIATES ARCHITECTURE
145 NORTH EAST STREET
INDIANAPOLIS, IN 46204

PERRY TOWNSHIP SCHOOLS
ADDITION AND RENOVATIONS
971 EAST BANTA ROAD, INDIANAPOLIS, IN 46227

REGISTERED NO. 80003338 STATE OF INDIANA

REVISIONS:		
#	Date	Desc.
2	08/06/2026	Addendum #02

100% CONSTRUCTION DOCUMENTS

PROJECT: #24173S
DATE: 07/10/2026
DRAWN BY: EL, BJZ

FLOOR PLAN - FIRST FLOOR - UNIT O

A101O

PLAN NOTES - FLOOR PLAN

1 SIDEWALK. SEE CIVIL/LANDSCAPE
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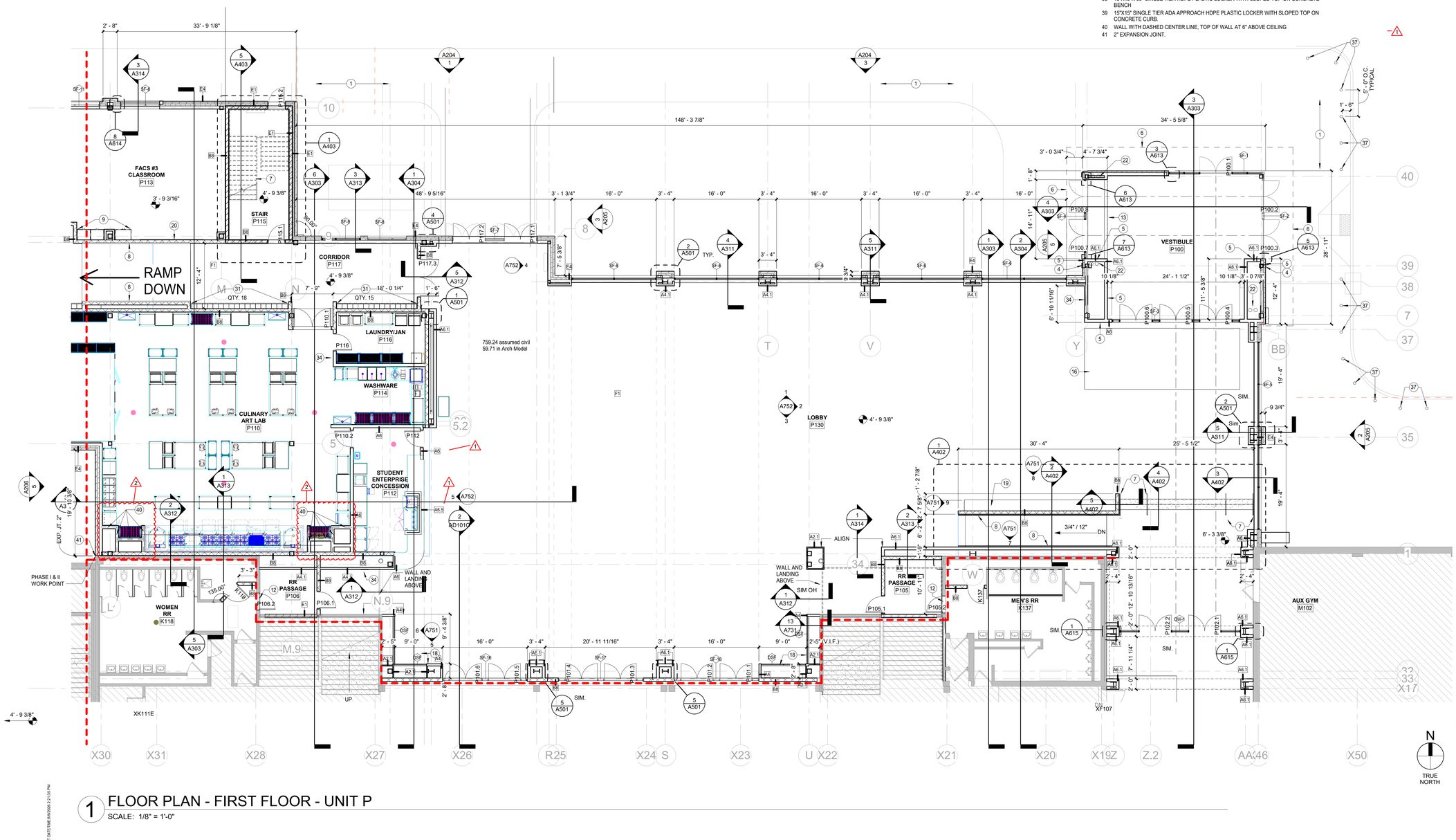
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OUT OF SCOPE



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

PLOT DATE/TIME:8/6/2026 2:21:55 PM

LANCER ASSOCIATES ARCHITECTURE
145 NORTH EAST STREET
INDIANAPOLIS, IN 46204

PERRY TOWNSHIP SCHOOLS
ADDITION AND RENOVATIONS
971 EAST BANTA ROAD, INDIANAPOLIS, IN 46227

JERRY L. CRIPPS REGISTERED NO. 8800139 STATE OF INDIANA

REVISIONS:			
#	Date	Desc.	
1	07/31/2026	Addendum #01	
2	08/06/2026	Addendum #02	

100% CONSTRUCTION DOCUMENTS

PROJECT:	#24173S
DATE:	07/10/2026
DRAWN BY:	Author

FLOOR PLAN - FIRST FLOOR - UNIT P

A101P

TRUE NORTH

A B C D E F G H J K L M N O P Q R S

PLAN NOTES - FLOOR PLAN

1 SIDEWALK, SEE CIVIL/LANDSCAPE
2 CONCRETE RAMP, SEE CIVIL.
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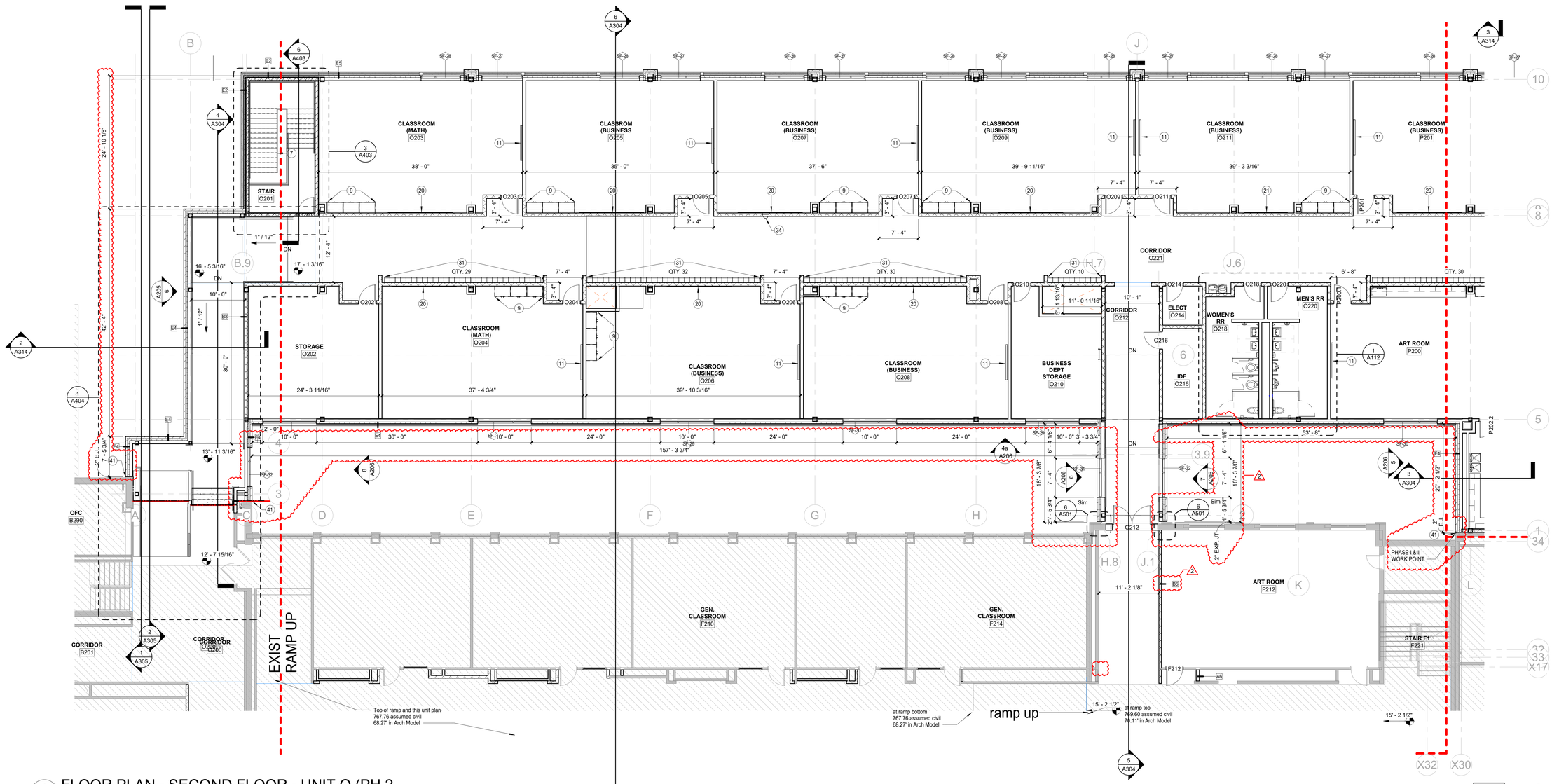
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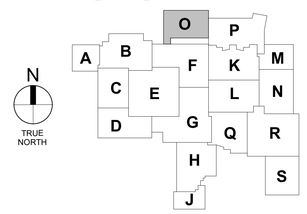
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OUT OF SCOPE



1 FLOOR PLAN - SECOND FLOOR - UNIT O (PH 2
SCALE: 1/8" = 1'-0"



LANCER ASSOCIATES ARCHITECTURE
145 NORTH EAST STREET
INDIANAPOLIS, IN 46204

PERRY TOWNSHIP SCHOOLS
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971 EAST BANTA ROAD, INDIANAPOLIS, IN 46227

JERRY L. CRISP REGISTERED NO. 8800133 STATE OF INDIANA

REVISIONS:

#	Date	Desc.
2	08/06/2026	Addendum #02

100% CONSTRUCTION DOCUMENTS

PROJECT:	#24173S
DATE:	07/10/2026
DRAWN BY:	Author

FLOOR PLAN - SECOND FLOOR - UNIT O

A102O

PLOT DATE/TIME:8/6/2026 2:21:56 PM

PLAN NOTES - FLOOR PLAN

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36 15"X15" TWO TIER ADA APPROACH HDPE PLASTIC LOCKER WITH SLOPED TOP ON CONCRETE CURB
37 6" DIAMTER STEEL BOLLARD, PAINTED, COLOR TBD. 42" TALL.
38 15"X15"X 60" SINGLE TIER HDPE PLASTIC LOCKER WITH SLOPED TOP ON CONCRETE BENCH
39 15"X15" SINGLE TIER ADA APPROACH HDPE PLASTIC LOCKER WITH SLOPED TOP ON CONCRETE CURB.
40 WALL WITH DASHED CENTER LINE, TOP OF WALL AT 6" ABOVE CEILING
41 2" EXPANSION JOINT.

GENERAL NOTES

A. PROVIDE CORNER GUARDS AT ALL OUTSIDE CORNERS WITH GYPSUM BOARD FINISH.

B. PROVIDE BULL-NOSE FINISH ON ALL OUTSIDE CORNERS OF CMU WALLS

C. SEE ELEVATIONS FOR EXTERIOR MASONRY TYPE AND SIZES

D. PROVIDE SOLID SURFACE WINDOW SILLS @ ALL STOREFRONT GLAZING SILLS ABOVE FINISHED FLOOR HEIGHT. WINDOW SILL TO EXTEND 1" PAST FINISHED WALL SURFACE, TYP. UNLESS NOTED OTHERWISE

E. VIF ALL DIMENSIONS FOR WINDOWS AND CASEWORK

F. INTERIOR DIMENSIONS ARE TAKEN TO THE FACE OF MASONRY OR STUDS

G. FOR ALL RESTROOM FACILITIES WITH GYPSUM WALL FINISH REPLACE 5/8" TYPE "X" GYPSUM BOARD WITH 5/8" MOISTURE RESISTANT GYPSUM BOARD, SEE SPECS FOR DETAILS

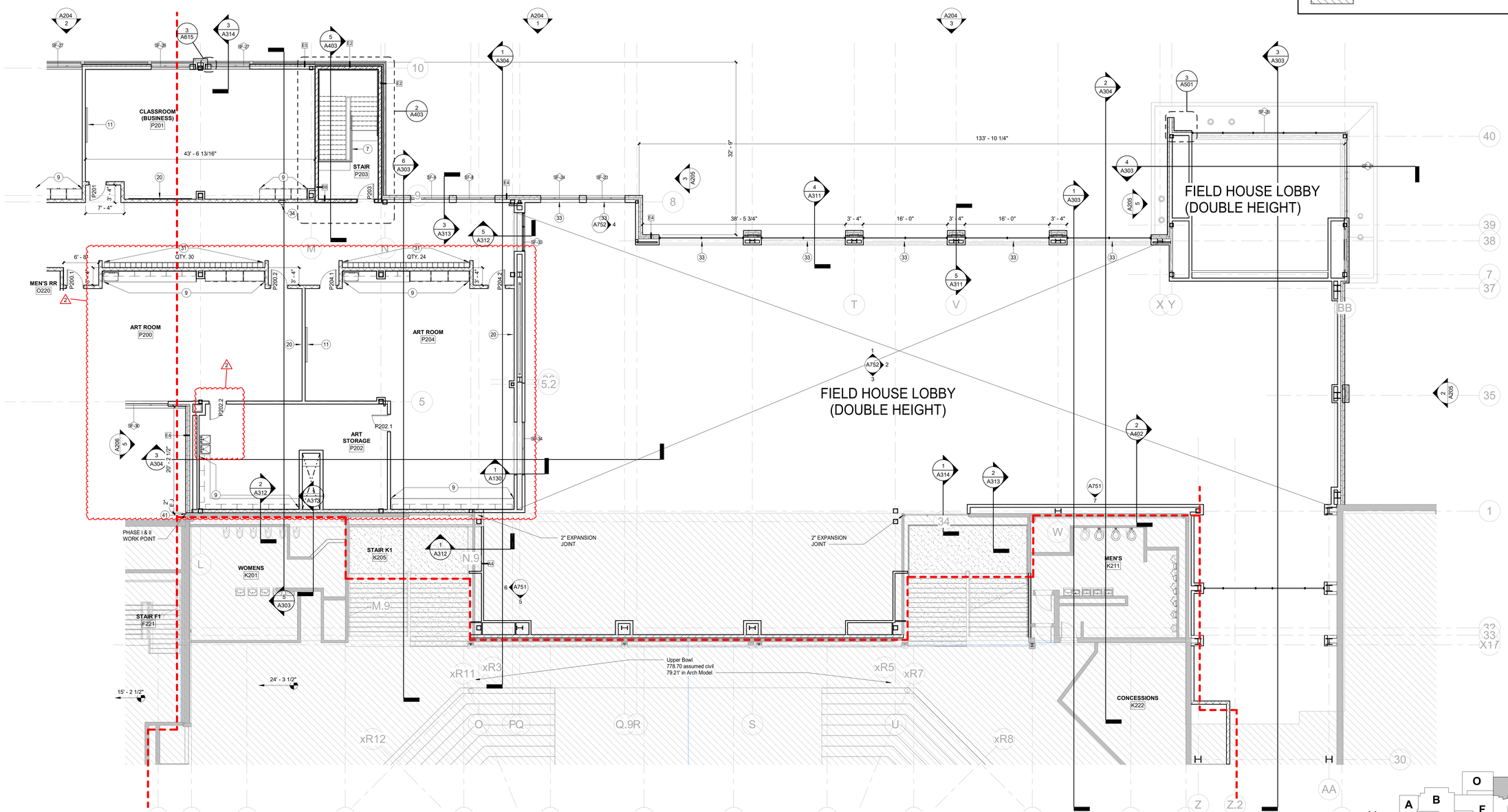
H. WHERE COLUMNS ARE NOT INDICATED TO BE WRAPPED, PAINT PT-1.

I. WALLS TO GO UP TO DECK UNLESS NOTED OTHERWISE

J. PROVIDE WINDOW SHADES AT ALL EXTERIOR PUNCHED OPENINGS, INCLUDING WHERE INDICATED ON PLANS. 1

K. FURNITURE SHOWN FOR VISUAL REPRESENTATION ONLY, TO BE PROVIDED BY OWNER.

OUT OF SCOPE



1 FLOOR PLAN - SECOND FLOOR - UNIT P (PH2
SCALE: 1/8" = 1'-0"

PLOT DATE/TIME:8/8/2026 2:21:43 PM

LANCER ASSOCIATES ARCHITECTURE
145 NORTH EAST STREET
INDIANAPOLIS, IN 46204

PERRY TOWNSHIP SCHOOLS
ADDITION AND RENOVATIONS
971 EAST BANTA ROAD, INDIANAPOLIS, IN 46227

REGISTERED ARCHITECT
NO 80033
STATE OF INDIANA

REVISIONS:

#	Date	Desc.
2	08/06/2026	AddendUm #02

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PROJECT: #24173S
DATE: 07/10/2026
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FLOOR PLAN - SECOND FLOOR - UNIT P

A102P

TRUE NORTH

TYPICAL CEILING TYPES

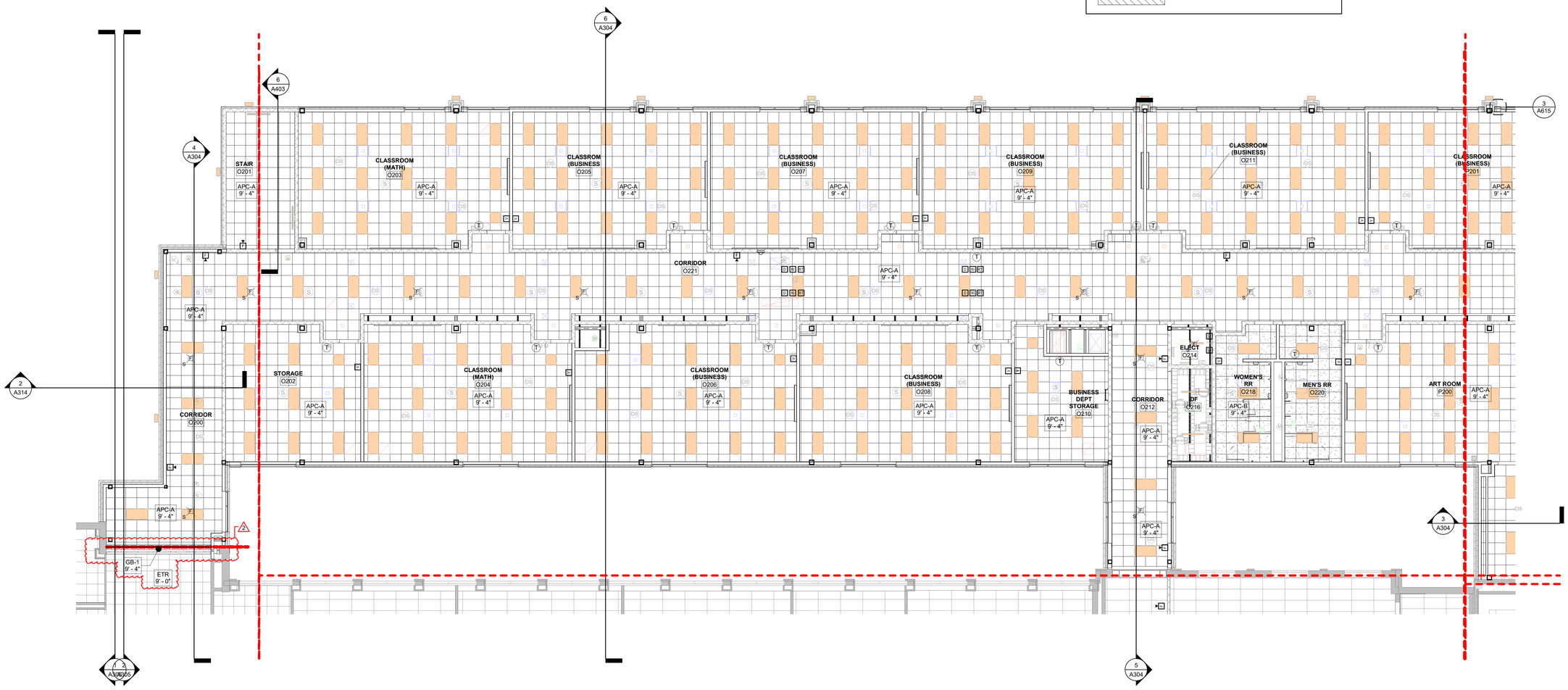
- 2x2 ACOUSTICAL CEILING TILE TYPE A (APC-A)
- 2x2 ACOUSTICAL CEILING TILE TYPE B (APC-B)
- GYPSUM BOARD CEILING
- METAL SOFFIT
- EXPOSED STRUCTURE, PAINT EXPOSED STRUCTURE WHERE INDICATED
- OUT OF SCOPE

GENERAL NOTES

1. ALL INTERIOR CEILINGS AT **9'-4"** UNLESS NOTED OTHERWISE.
2. PATCH AND REPAIR WALLS AROUND PIPE PENETRATIONS.

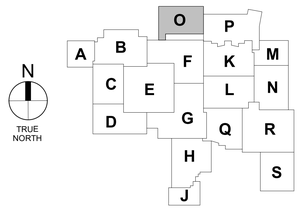
PLAN NOTES - RCP

1 GYPSUM BULKHEAD
2 PROVIDE LID TO ROOM WITH 3/4" DECKING ON 6" COLD FORMED METAL FRAMING. PAINT DECKING.
3 LINE OF WALL ABOVE. SEE SECTION.
4 PAINT EXPOSED DECK, STRUCTURAL AND MECHANICAL ELEMENTS, PT-1.
5 PAINT EXPOSED DECK, STRUCTURAL AND MECHANICAL ELEMENTS, PT-3.
6 SUSPENDED ANODIZED ALUMINUM 3D LETTERING. CUSTOM RAL COLOR PAINTED. LETTERS TO BE 5'-4" W X 7'-0" H, PLAN SOUTH END OF LETTERS TO BE DROPPED 5 DEGREES FROM NORTH END OF LETTERS.
7 WOOD VENEERED CEILING PANEL, WCP-1. REFER TO FINISH LEGEND.
8 INFILL ACOUSTIC CEILING TILE AND GRID AS NEEDED. KEEP EXISTING CEILING AS IS.
9 PAINT HORIZONTAL AND VERTICAL SURFACES OF GYPSUM BOARD ACCENT PAINT PT-2. REFER TO FINISH LEGEND.



1 REFLECTED CEILING PLAN - SECOND FLOOR - UNIT O

SCALE: 1/8" = 1'-0" REF. 4a / A206



LANCER ASSOCIATES ARCHITECTURE
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PERRY TOWNSHIP SCHOOLS
ADDITION AND RENOVATIONS
971 EAST BANTA ROAD, INDIANAPOLIS, IN 46227

JEFFREY L. CLEPPER REGISTERED NO 80003338 STATE OF INDIANA

REVISIONS:

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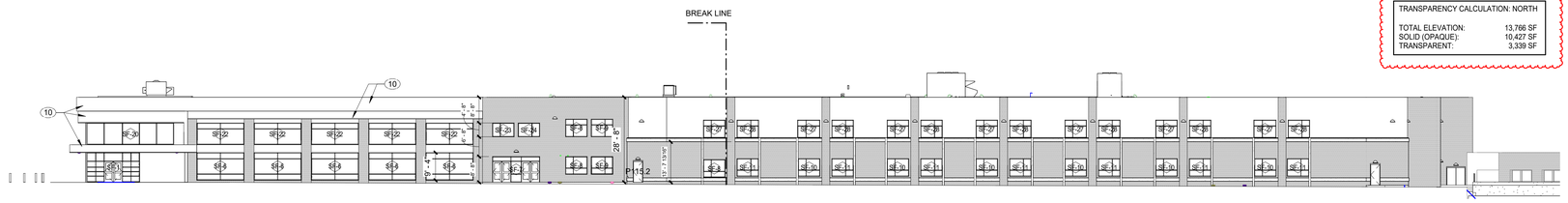
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PROJECT: #24173S
DATE: 07/10/2026
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REFLECTED CEILING PLAN - SECOND FLOOR - UNIT O

A122O

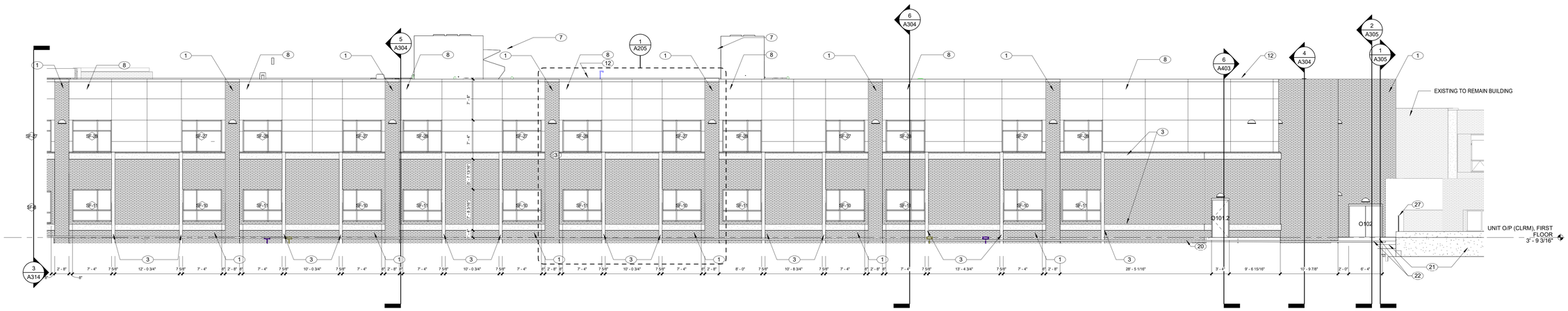
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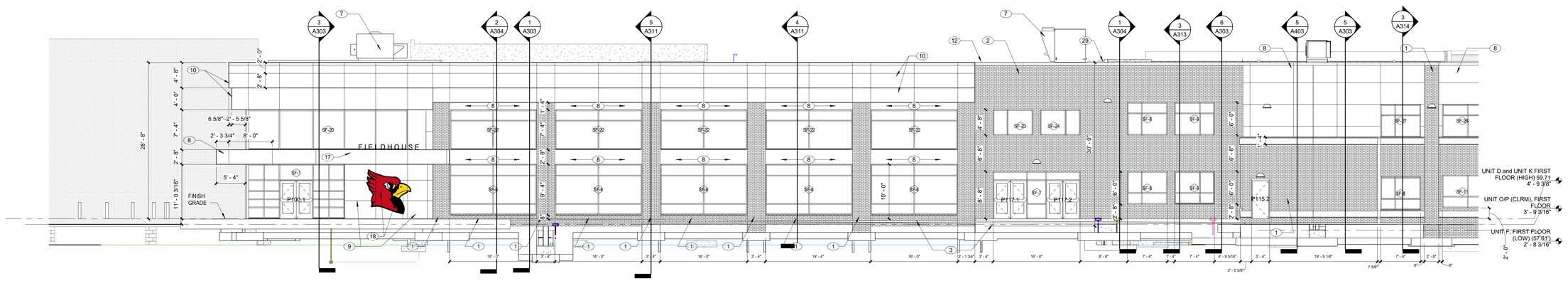
1 Elevation Ph2 North Overall
SCALE: 1" = 20'-0" REF. 1 / A101O

ELEVATION NOTES - EXTERIOR

1	BRICK A. MODULAR BRICK. SEE SPECIFICATIONS.
2	BRICK B. MODULAR BRICK. SEE SPECIFICATIONS.
3	INDIANA LIMESTONE TRIM PROFILE A. SMOOTH CUT, BUFF COLOR
4	INDIANA LIMESTONE TRIM PROFILE B. SMOOTH CUT, BUFF COLOR
6	BRICK CONTROL JOINT
7	MECHANICAL UNIT - SEE MECHANICAL
8	PREFINISHED METAL PANEL - COLOR 'GRAY'
9	PREFINISHED METAL PANEL - COLOR 'BLACK'
10	PREFINISHED METAL PANEL - COLOR 'RED'
12	PREFINISHED ROOF EDGE
14	ACCESS CONTROL
17	PREFINISHED METAL LETTERS 30" TALL. ARIAL FONT. SECURE TO FACE OF BUILDING.
18	BACKLIT METAL SIGN WITH SCHOOL LOGO.
20	FINISHED GRADE, SEE CIVIL.
21	8" CONCRETE RETAINING WALL.
22	CONCRETE SIDEWALK - SEE CIVIL
23	SITE TBD
27	STEEL HANDRAIL WITH VERTICAL POST AT MAX 4'-0". SHOP PRIMED AND FIELD PAINTED.
29	2" BUILDING EXPANSION JOINT



2 Elevation Ph2 North - Dependent 1
SCALE: 1/8" = 1'-0" REF. 1 / A101O



3 Elevation Ph2 North - Dependent 2
SCALE: 1/8" = 1'-0" REF. 1 / A101O

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LANCER ASSOCIATES ARCHITECTURE
145 NORTH EAST STREET
INDIANAPOLIS, IN 46204

PERRY TOWNSHIP SCHOOLS
ADDITION AND RENOVATIONS
971 EAST BANTA ROAD, INDIANAPOLIS, IN 46227

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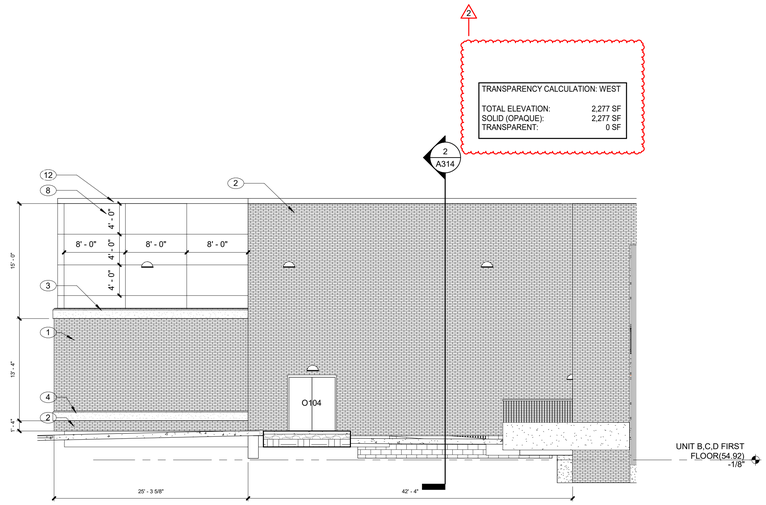
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DATE: 07/10/2026
DRAWN BY: BJZ

EXTERIOR ELEVATIONS

A204

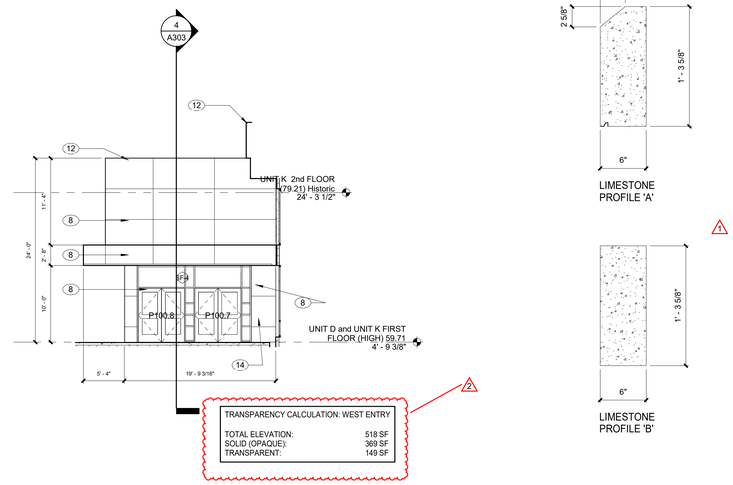
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29	2" BUILDING EXPANSION JOINT



6 Elevation Ph2 West

SCALE: 1/8" = 1'-0" REF. 1 / A101O

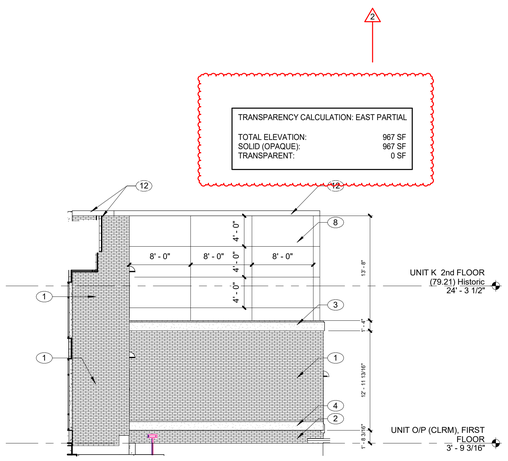


5 Elevation Ph2 West Entry Cube1

SCALE: 1/8" = 1'-0" REF. 1 / A101P

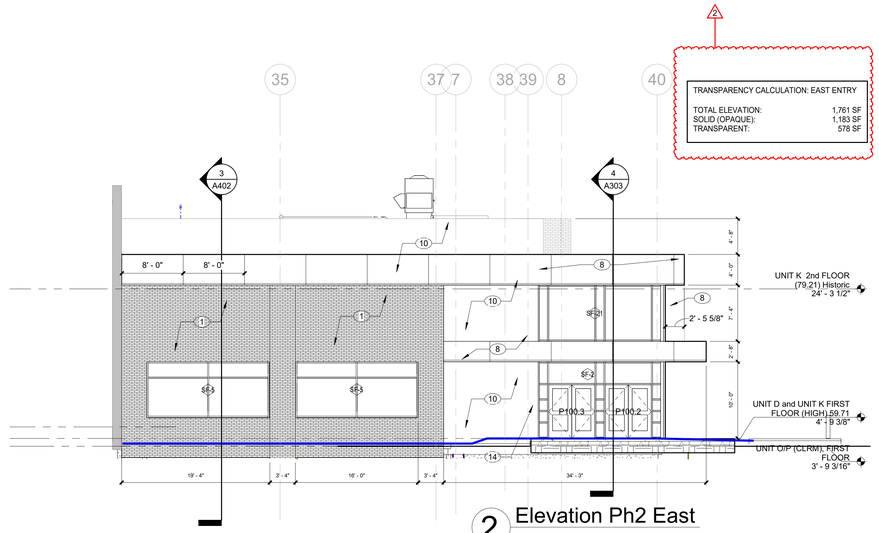
4 LIMESTONE PROFILES.

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



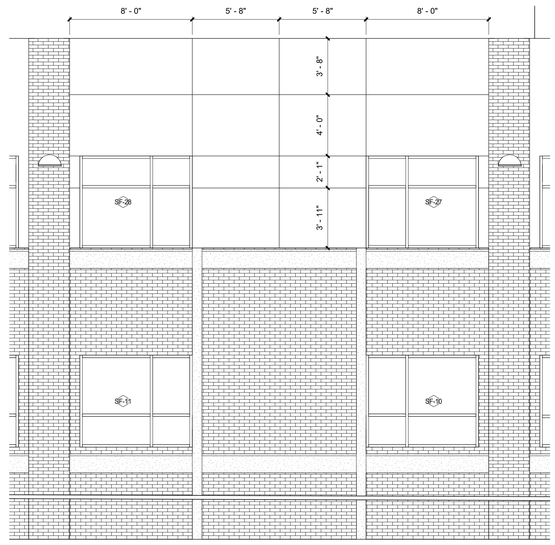
3 Elevation Ph2 East - Partial

SCALE: 1/8" = 1'-0" REF. 1 / A101P



2 Elevation Ph2 East

SCALE: 1/8" = 1'-0" REF. 1 / A101P



1 ENLARGED METAL PANEL ELEVATION

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

LANCER ASSOCIATES ARCHITECTURE
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PERRY TOWNSHIP SCHOOLS
ADDITION AND RENOVATIONS
971 EAST BANTA ROAD, INDIANAPOLIS, IN 46227

REVISIONS:

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2	08/06/2026	Addendum #02

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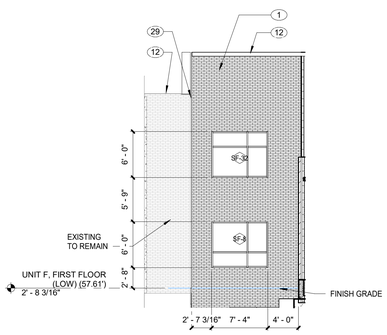
EXTERIOR ELEVATIONS

A205

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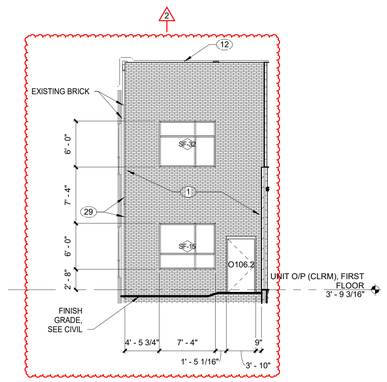
ELEVATION NOTES - EXTERIOR

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23	SITE TBD
27	STEEL HANDRAIL WITH VERTICAL POST AT MAX 4'-0". SHOP PRIMED AND FIELD PAINTED.
29	2" BUILDING EXPANSION JOINT



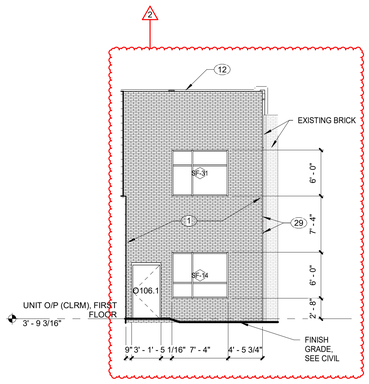
8 Elevation Ph2 East - Courtyard

SCALE: 1/8" = 1'-0" REF. 1 / A101O



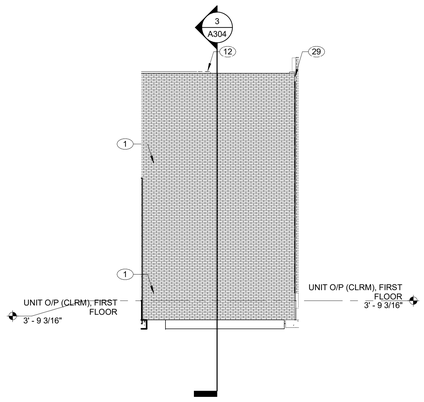
7 Elevation Ph2 EConnect-East-Courtyard

SCALE: 1/8" = 1'-0" REF. 1 / A101O



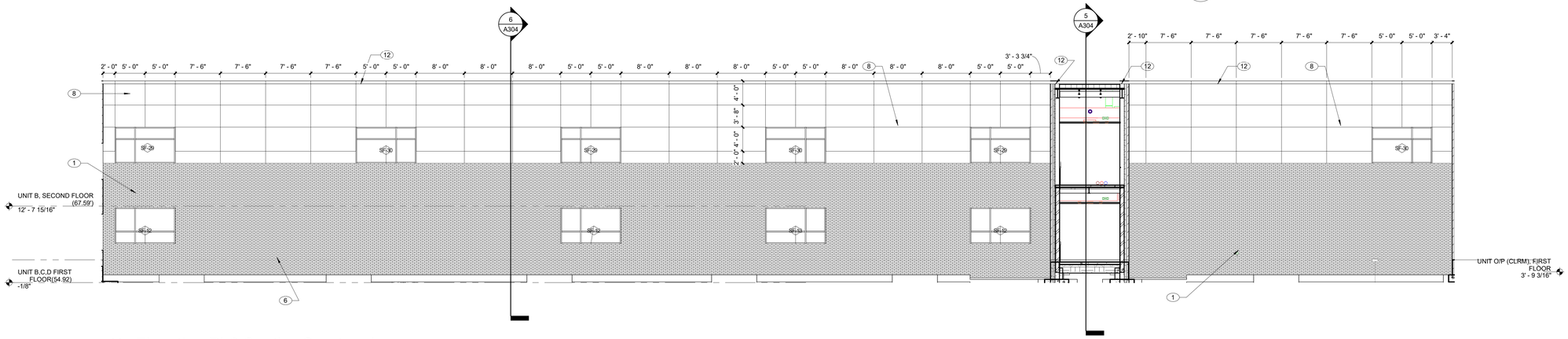
6 Elevation Ph2 EConnect-West-Courtyard

SCALE: 1/8" = 1'-0" REF. 1 / A101O



5 Elevation Ph2 West - Courtyard

SCALE: 1/8" = 1'-0" REF. 1 / A101K



4a Elevation Ph2 South - Courtyard

SCALE: 1/8" = 1'-0" REF. 1 / A101O

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LANCER ASSOCIATES ARCHITECTURE

145 NORTH EAST STREET
INDIANAPOLIS, IN 46204

PERRY TOWNSHIP SCHOOLS
ADDITION AND RENOVATIONS

971 EAST BANTA ROAD, INDIANAPOLIS, IN 46227



REVISIONS:

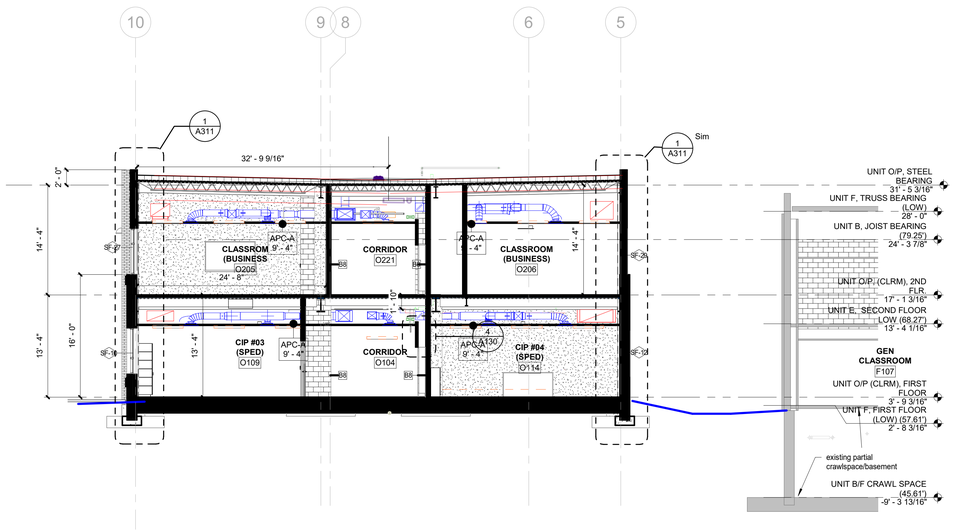
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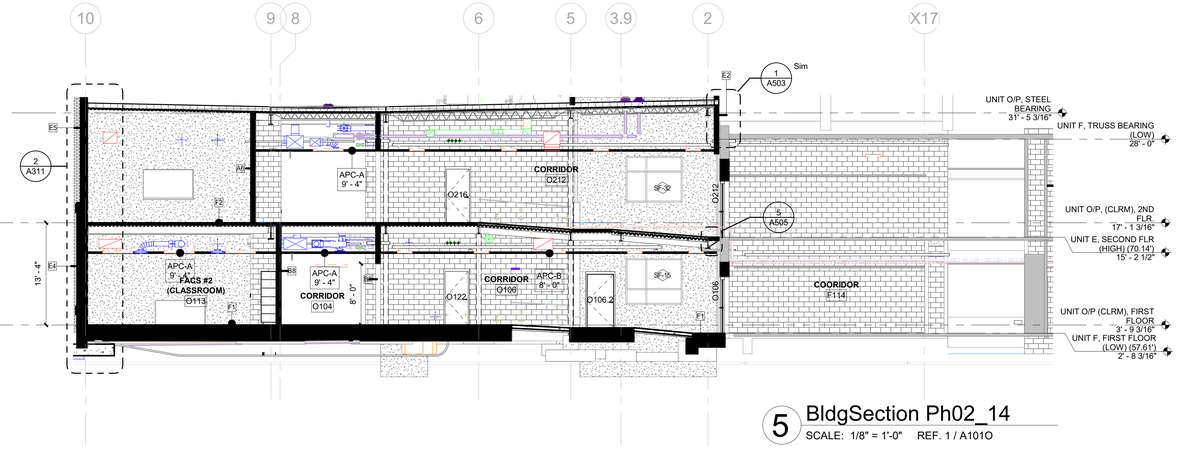
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DATE: 07/10/2026
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EXTERIOR ELEVATIONS, COURTYARD

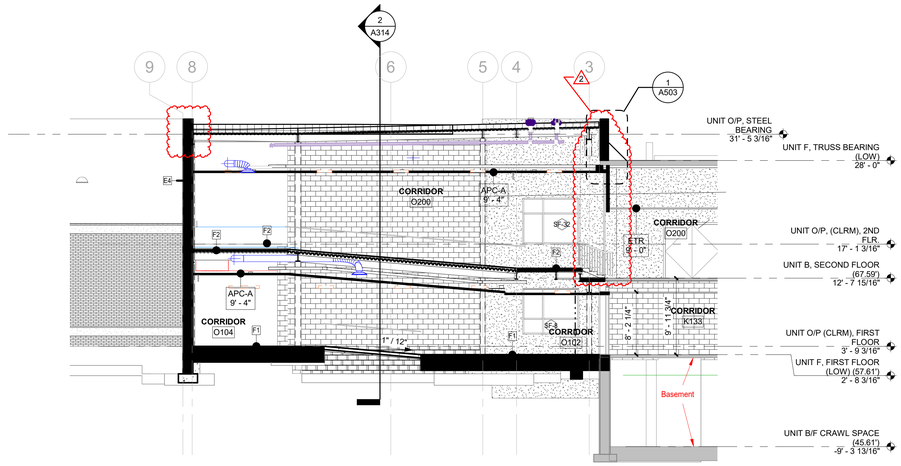
A206



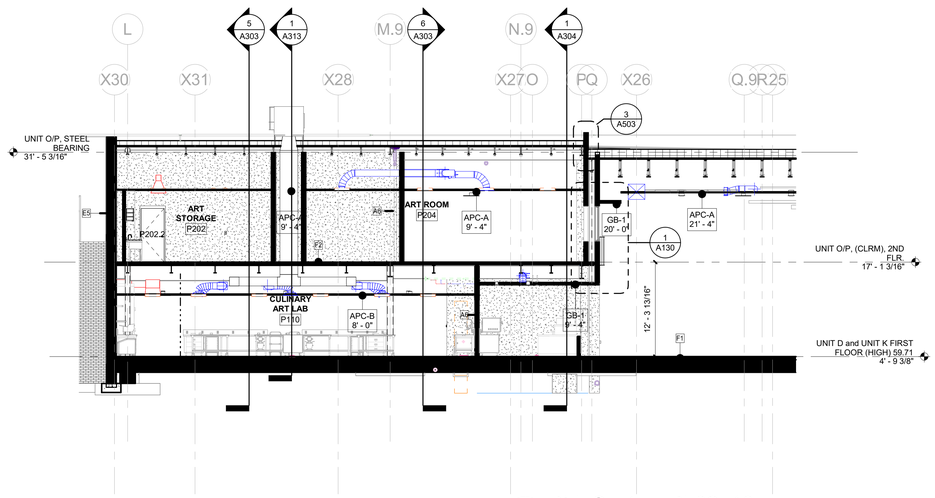
6 BldgSection Ph02_08
SCALE: 1/8" = 1'-0" REF. 1 / A101O



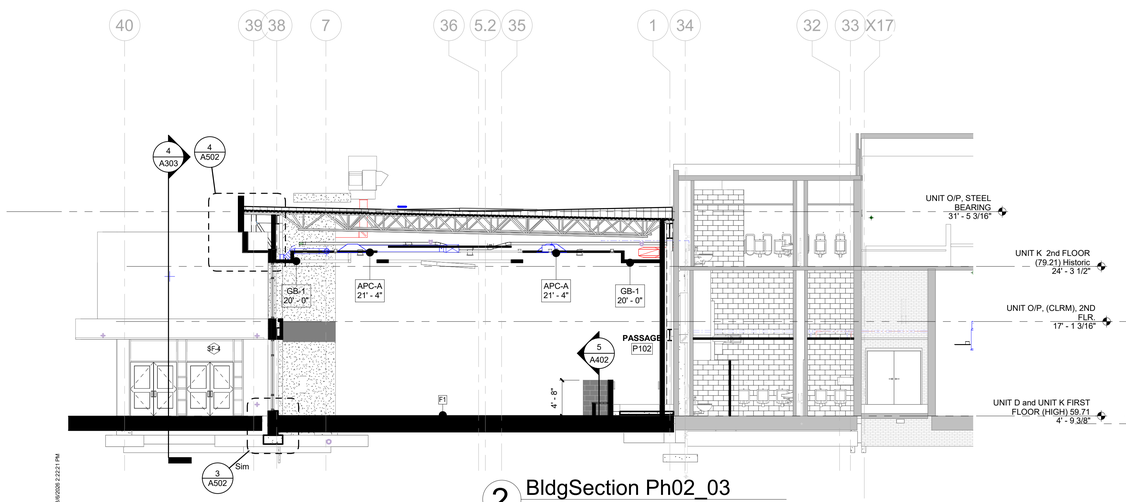
5 BldgSection Ph02_14
SCALE: 1/8" = 1'-0" REF. 1 / A101O



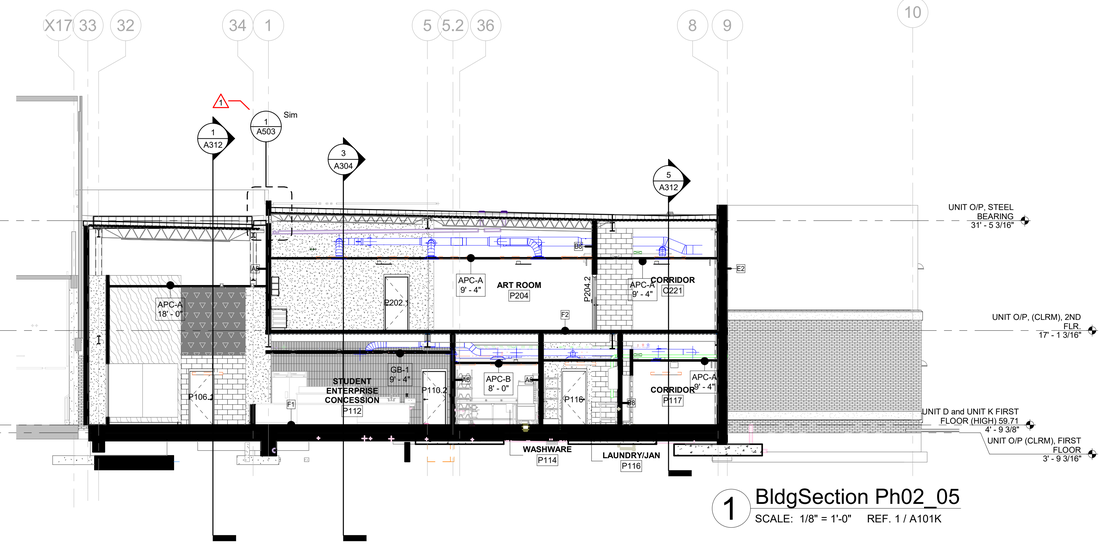
4 BldgSection Ph02_09
SCALE: 1/8" = 1'-0" REF. 1 / A101O



3 BldgSection Ph02_12
SCALE: 1/8" = 1'-0" REF. 1 / A101K



2 BldgSection Ph02_03
SCALE: 1/8" = 1'-0" REF. 1 / A101K



1 BldgSection Ph02_05
SCALE: 1/8" = 1'-0" REF. 1 / A101K

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LANCER ASSOCIATES ARCHITECTURE
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PERRY TOWNSHIP SCHOOLS
ADDITION AND RENOVATIONS
971 EAST BANTA ROAD, INDIANAPOLIS, IN 46227

REGISTERED ARCHITECT
No. 80003338
STATE OF INDIANA

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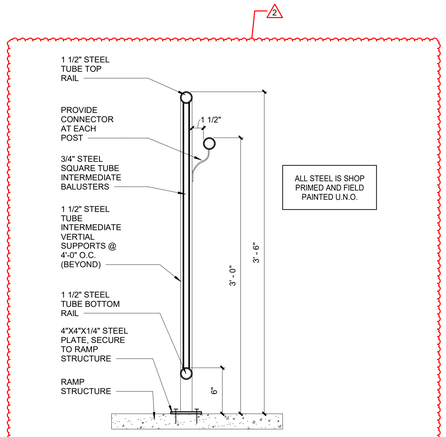
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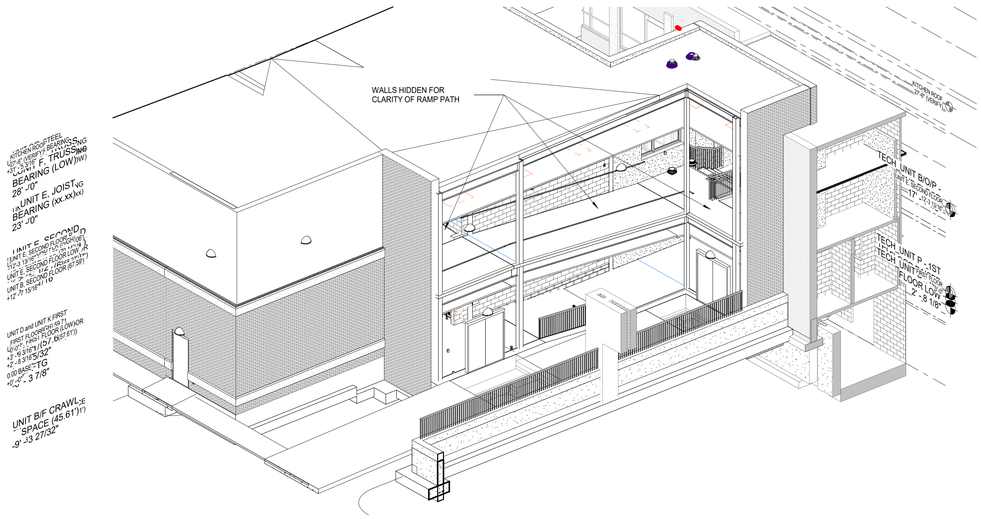
BUILDING SECTIONS

A304



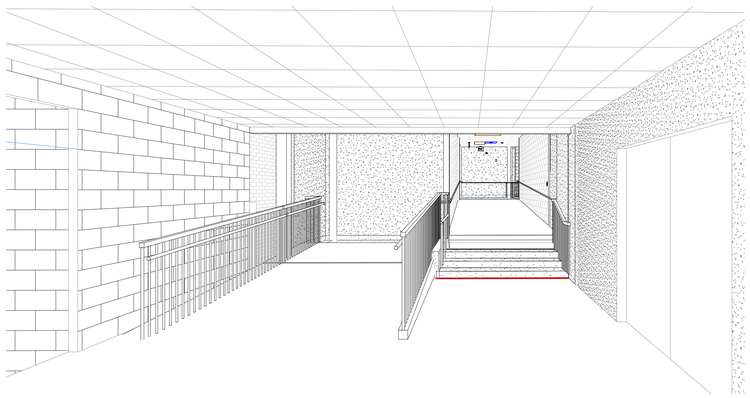
3 STAIR GUARD RAIL DETAIL AT RAMP

SCALE: 1 1/2" = 1'-0" REF. 1 / A404



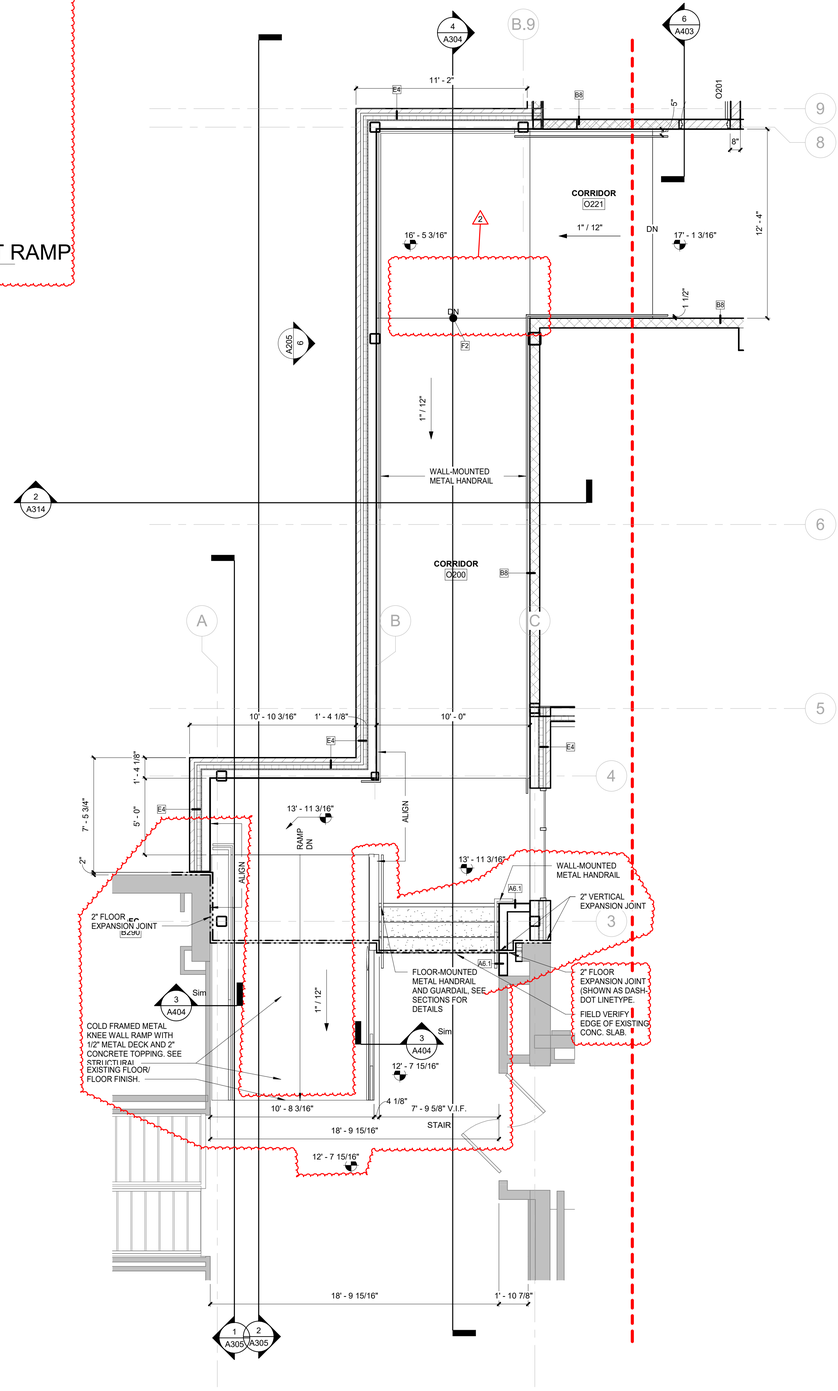
6 WEST RAMP 3D VIEW

SCALE:



2 CORRIDOR O200 PERSPECTIVE

SCALE:



1 ENLG FLR PLAN - RAMP/STAIR O200

SCALE: 1/4" = 1'-0" REF. 1 / A102O

GENERAL NOTES

A. ALL STAIR STRINGERS AND HANDRAILS ARE TO BE PAINTED

LANCER ASSOCIATES ARCHITECTURE
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VERTICAL CIRCULATION

A404

PLOT DATE/TIME:8/6/2026 2:22:27 PM

GENERAL FINISH PLAN NOTES

A. PRIOR TO INSTALLATION OF NEW FINISHES CONTRACTOR SHALL INSPECT ALL SUBSTRATES. IF A SUBSTRATE IS DEEMED UNACCEPTABLE, THE CONTRACTOR SHALL REPAIR AS NECESSARY FOR SUBSTRATE TO ACCEPT NEW MATERIALS.

B. CONTRACTOR TO VERIFY EXISTING CONDITIONS AND REPAIR ALL EXISTING WALLS, SLAB, AND CEILINGS TO A CONDITION SUITABLE FOR ACCEPTING NEW FINISHES AS PER MANUFACTURER'S RECOMMENDED INSTALLATION METHODS. MINIMUM LEVEL 4 FINISH ON EXISTING AND NEW WALLS, UNLESS NOTED OTHERWISE.

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F. ALL DIMENSIONS SHOWN ARE TO FACE OF FINISH MATERIAL, UNLESS INDICATED OTHERWISE ON PLANS.

G. WHERE WALLS ARE INDICATED TO RECEIVE PAINT FINISH, PAINT ALL PRIMED GRILLES, FIRE EXTINGUISHER CABINERS, AND OTHER ITEMS EMBEDDED IN WALL CONSTRUCTION TO MATCH SURFACE ON WHICH THEY OCCUR UNLESS NOTED OTHERWISE.

H. CONTRACTOR TO PROVIDE DRYWALL REVEAL JOINT WHERE DRYWALL MEETS DISSIMILAR MATERIALS.

I. CONTRACTOR TO PROVIDE SCHLUTER EDGE WHERE TILE MEETS DISSIMILAR MATERIALS.

J. REFER TO FINISH LEGEND FOR INTERIOR FINISH INFORMATION.

K. DO NOT INSTALL GYPSUM BOARD BEHIND TILE BACKER BOARD LOCATIONS.

L. IF ONLY PAINT IS INDICATED AS THE FINISH, REFER TO ARCHITECTURAL FLOOR PLANS FOR SUBSTRATE INFORMATION.

M. REFER TO INTERIOR TRANSITION DETALS SHEET A731 FOR TRANSITION STRIP PRODUCT DETAILS.

N. ALL MECHANICAL CLOSETS TO HAVE A SEALED CONCRETE FLOOR FINISH. PROVIDE RESILIENT REDUCER TO MATCH RB-1 UNDER CENTER OF DOORWAY.

O. ALL WALLS AND CEILINGS TO BE PAINTED PT-1, UNLESS NOTED OTHERWISE.

P. WHERE WINDOW SILLS ARE LOCATED, SILL TO BE SOLID SURFACE SS-1.

Q. ALL HM DOOR FRAMES, NEW AND EXISTING, IN THEIR ENTIRETY ARE TO BE PAINTED PT-3 UNLESS NOTED OTHERWISE.

R. REFERENCE ELEVATIONS FOR CUSTOM WALL GRAPHICS, MURALS OR CHANGE IN WALL FINISHES

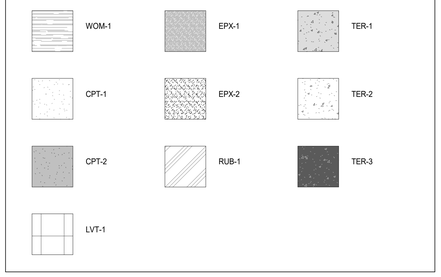
S. WHERE ALL SS-CON FINISH OCCURS, SURFACE IS TO BE CLEANED, PATCHED, AND PREPPED FOR STAIN AND SEAL.

T. ALL PAINT IN RESTROOMS AND LOCKER ROOMS TO BE EPOXY PAINT.

U. STAIR RAILINGS AND STRINGERS TO BE PAINTED PT-3 UNLESS NOTED OTHERWISE.

V. ALL COLUMNS TO BE PAINTED PT-3, UNLESS NOTED OTHERWISE.

FLOOR FINISH HATCH LEGEND



FINISH LEGEND

NOTES

ETR EXISTING TO REMAIN

FLOOR COVERING

CARPET TILE

WOM-1: MFG: TARKETT
TYPE: 24" X 24" MODULAR WALK-OFF
PATTERN: ABRASIVE ACTION II
COLOR: CHARCOAL
INSTALL: PER MANF.
LOCATION: VESTIBULES
CONTACT: DOUG EDWARDS, 317-443-9579

CPT-1: MFG: TARKETT
TYPE: 18" X 36" MODULAR CARPET PLANK
PATTERN: AFTERMATH III SD
COLOR: BRINDLE 23522
INSTALL: ASHLAR, REF. PLAN FOR DIRECTION
LOCATION: CORRIDORS, CLASSROOMS
CONTACT: DOUG EDWARDS, 317-443-9579

CPT-2: MFG: TARKETT
TYPE: 18" X 36" MODULAR CARPET PLANK
PATTERN: AFTERMATH III SD
COLOR: RED RINGER 23523
INSTALL: ASHLAR, REF. PLAN FOR DIRECTION
LOCATION: CORRIDORS, CLASSROOMS
CONTACT: DOUG EDWARDS, 317-443-9579

RESINOUS FLOORING

EPX-1: MFG: SHERWIN WILLIAMS HIGH PERFORMANCE FLOORING
TYPE: RESUFLOR DECO FLAKE BC EPOXY SYSTEM
COLOR: MACKERAL - 1/4" FLAKE
INSTALL: MONOLITHIC, 4" INTEGRAL COVE BASE REF. SPECS
LOCATION: RESTROOMS
CONTACT: HANK MEINKING, 314-281-7485

EPX-2: MFG: SHERWIN WILLIAMS HIGH PERFORMANCE FLOORING
TYPE: RESUFLOR DECO FLAKE BC EPOXY SYSTEM
COLOR: CUSTOM MIX - 1/4" FLAKE
F1410 GRANITE - 19%
F9959 ANTIQUE WHITE - 19%
F1050 BLACK - 19%
F5114 EBONY - 19%
F1820 WHITE - 19%
F9978 TOMATO - 5%
INSTALL: MONOLITHIC, 4" INTEGRAL COVE BASE REF. SPECS
LOCATION: LOCKER ROOMS
REMARKS: SUBMIT PHYSICAL COLOR SAMPLES FOR DESIGNER APPROVAL MIX COLORS ARE SUBJECT TO CHANGE.
CONTACT: HANK MEINKING, 314-281-7485

RESILIENT FLOOR

RUB-1: MFG: NORA
TYPE: INTEGRAL RUBBER STAIR TREAD AND RISER; RUBBER TILE
PATTERN: NORAMENT 926 SATURA HAMMERED
COLOR: ARCTURUS 5116
INSTALL: DIRECTIONAL
LOCATION: STAIRS, REF. FINISH PLAN
CONTACT: ROB GROM 317-764-9025
REMARKS: TARKETT ADDITIONAL APPROVED MANUFACTURER RUBBER FLOORING TO BE USED AT LANDINGS.

LVT-1: MFG: TARKETT
TYPE: 18" X 18" MODULAR VINYL TILE
PATTERN: COLOR + LIGHT
COLOR: CHROMA DUST 12179
INSTALL: QUARTER-TURN
LOCATION: REF. FINISH PLAN
CONTACT: DOUG EDWARDS, 317-443-9579

TERRAZZO

TER-1: MFG: TERROXY, OR SIMILAR
TYPE: VITRIFIED EPOXY TERRAZZO
COLOR: LUNGREN NEUTRAL (MATRIX),
10% BLENDED TAN #2
40% GEORGIA WHITE #2
25% GEORGIA WHITE #1
10% MONTGOMERY WHITE #2
15% MONTGOMERY WHITE #1
INSTALL: REF. SPECS; METAL TRANSITION STRIP TO BE USED AT ALL TRANSITIONS
LOCATION: LOBBY - REF. FINISH PLANS

TER-2: MFG: TERROXY, OR SIMILAR
TYPE: VITRIFIED EPOXY TERRAZZO
COLOR: LANTERN WHITE (MATRIX),
25% GEORGIA WHITE #1
45% GEORGIA WHITE #2
10% BLENDED TAN #2
10% MONTGOMERY WHITE #2
10% MONTGOMERY WHITE #1
INSTALL: REF. SPECS; METAL TRANSITION STRIP TO BE USED AT ALL TRANSITIONS
LOCATION: LOBBY - REF. FINISH PLANS

TER-3: MFG: TERROXY, OR SIMILAR
TYPE: VITRIFIED EPOXY TERRAZZO
COLOR: RED 186 (MATRIX),
30% CLEAR GLASS #0
50% CLEAR GLASS #1
20% CLEAR GLASS #2
INSTALL: REF. SPECS; METAL TRANSITION STRIP TO BE USED AT ALL TRANSITIONS
LOCATION: RED ACCENT - LOBBY- REF. FINISH PLAN

CONCRETE

S-CON: TYPE: SEALED CONCRETE, REF. SPECS

SS-CON: TYPE: STAINED AND SEALED CONCRETE, REF. SPECS
STAIN: TBD

SP-CON: TYPE: SEALED AND POLISHED CONCRETE REF. SPECS
REMARKS: EXISTING SLAB TO BE PREPPED

WALL BASE

RESILIENT BASE

RB-1: MFG: TARKETT JOHNSONITE
TYPE: 4" H COVE RESILIENT WALL BASE
COLOR: 40 BLACK
LOCATION: TYPICAL UNLESS NOTED OTHERWISE, USED WITH **ALL** CASEWORK LOCATIONS

EPOXY BASE

EB-1: MFG: SHERWIN WILLIAMS HIGH PERFORMANCE FLOORING
TYPE: RESUFLOR DECO FLAKE BC EPOXY SYSTEM
COLOR: MATCH EPX-1 MIX
INSTALL: MONOLITHIC, 4" H INTEGRAL COVE BASE, REF. SPECS
LOCATION: REF. TO ROOM FINISH TAG ON PLANS
CONTACT: HANK MEINKING, 314-281-7485

EB-2: MFG: SHERWIN WILLIAMS HIGH PERFORMANCE FLOORING
TYPE: RESUFLOR DECO FLAKE BC EPOXY SYSTEM
COLOR: MATCH EPX-2 MIX
INSTALL: MONOLITHIC, 4" H INTEGRAL COVE BASE, REF. SPECS
LOCATION: REF. TO ROOM FINISH TAG ON PLANS
CONTACT: HANK MEINKING, 314-281-7485

TERRAZZO BASE

TERB-1: MFG: TERROXY, OR SIMILAR
TYPE: 4" INTEGRAL WALL BASE, VITRIFIED EPOXY TERRAZZO
COLOR: MATCH TER-1 MIX
INSTALL: REF. SPECS
LOCATION: LOBBY

PAINT/WALL FINISH

PAINT

PT-1: MFG: PPG
TYPE: REF. SPECS
COLOR: MATCH STANDARD WALL
LOCATION: TYPICAL
REMARKS: EPOXY PAINT TO BE USED IN LOCKER ROOM AND RESTROOMS WALLS - REFER TO FINISH PLAN KEYNOTES

PT-2: MFG: PPG
TYPE: REF. SPECS
COLOR: MATCH SCHOOL LOGO RED
LOCATION: ACCENT - REF. FINISH PLANS

PT-3: MFG: PPG
TYPE: REF. SPECS
COLOR: MATCH SW GRIZZLE GRAY
LOCATION: HM DOORS AND FRAMES (UNLESS NOTED OTHERWISE); ACCENT

PT-4: MFG: PPG
TYPE: REF. SPECS
COLOR: BLACK - MATCH SCHOOL STANDARD
LOCATION: ACCENT

WALL COVERING

WC-1: TYPE: TYPE II VINYL WALL COVERING
PATTERN: CUSTOM GRAPHIC
LOCATION: REF. FINISH PLAN AND/OR INTERIOR ELEVATIONS
REMARKS: GRAPHIC DESIGN TO BE COORDINATED DIRECTLY WITH OWNER

WALL TILE

WT-1: MFG: DALTILE
TYPE: 4"X12" GLAZED CERAMIC WALL TILE
PATTERN: COLOR WHEEL - LINEAR
COLOR: CURRENT - GLOSSY
GROUT: TBD
INSTALL: VERTICAL STACKED
LOCATION: RESTROOMS - REF. FINISH PLAN
REMARKS: RUN DIRECTLY TO TOP OF EPOXY BASE. USE SCHLUTER PIECE TO TRANSITION TO ADJACENT SURFACES
CONTACT: ROBIN BRADFORD 317-946-0823

WT-2: MFG: DALTILE
TYPE: 4"X12" GLAZED CERAMIC WALL TILE
PATTERN: COLOR WHEEL - LINEAR
COLOR: ARTIC WHITE - MATTE
GROUT: TBD
INSTALL: VERTICAL STACKED
LOCATION: RESTROOMS - REF. FINISH PLAN
REMARKS: RUN DIRECTLY TO TOP OF EPOXY BASE. USE SCHLUTER PIECE TO TRANSITION TO ADJACENT SURFACES
CONTACT: ROBIN BRADFORD 317-946-0823

PLASTIC LAMINATE/SOLID SURFACE

PLASTIC LAMINATE

PL-1: MFG: WILSONART
TYPE: HIGH PRESSURE LAMINATE
COLOR: MANITOBA MAPLE 7911-60
INSTALL: MONOLITHIC
LOCATION: TYPICAL UNLESS NOTED OTHERWISE

PL-2: MFG: WILSONART
TYPE: HIGH PRESSURE LAMINATE
COLOR: GRAPHITE
INSTALL: MONOLITHIC
LOCATION: ATHLETIC AREAS

PL-3: MFG: WILSONART
TYPE: HIGH PRESSURE LAMINATE
COLOR: NATURAL RECON
INSTALL: MONOLITHIC
LOCATION: LOBBY

SOLID SURFACE

SS-1: MFG: WILSONART
TYPE: 1/2 " SOLID SURFACE
COLOR: FROSTY WHITE MIRAGE
INSTALL: MONOLITHIC
LOCATION: COUNTERTOP, WINDOW SILLS (TYP.)
REMARKS: EASED EDGE & MITERED

SS-2: MFG: REF. SPECS
TYPE: EPOXY SOLID SURFACE, REF. SPECS
COLOR: BLACK
INSTALL: MONOLITHIC
LOCATION: ART ROOM COUNTERTOPS

MISCELLANEOUS

CORNER GUARDS

CG-1: MFG: CS ACROVYN OR SIMILAR
TYPE: SSM 20N OR SIMILAR
COLOR: MATCH PT-1 (TYPICAL)
INSTALL: FROM TOP OF WALL BASE TO 7'-4" A.F.F.
LOCATION: PROVIDE AT ALL OUTSIDE DRYWALL CORNERS (TYPICAL, INCLUDING ALL INSTANCES NOT SPECIFICALLY NOTED)
CONTACT: AMY FEHRIBACH 317-407-2534

ACOUSTICAL PANEL

AWP-1: MFG: TURF
TYPE: PET ACOUSTICAL WALL PANEL, OR SIMILAR
PRODUCT: TORRENT WALL TILE
SIZE: 30"W X 30"H
COLOR: DAMASCUS 09
LOCATION: LOBBY, REF. INTERIOR ELEV. FOR SPECIFIC TILE ORDERING AND LAYOUT
REMARKS: Z-CLIP INSTALL. REF. MANF. INSTALL GUIDE

CEILING

WCP-1: MFG: ARMSTRONG
TYPE: WOOD VENEER CEILING PANEL - WOODWORKS LINEAR
SIZE: 24"W X 96"L X 3/4"H - 4" WIDE PLANKS
FINISH: PLAIN SLICE WHITE OAK (NOK)
LOCATION: LOBBY - CEILING ACCENT
CONTACT: MEGAN FOULKE 765-891-3672

LOCKERS

LR-1: MFG: ASI OR SIMILAR
TYPE: HDPE PLASTIC 1 TIER STANDARD
PRODUCT: REF. SPECS
VENTING: FULL LATTICE MESH
COLOR: BLACK (STANDARD - CLASS A FIRE RATED)
TOP: SLOPE TOP
LOCK: PADLOCK
LOCATION: VARISTY LOCKER ROOMS

LR-2: MFG: ASI OR SIMILAR
TYPE: HDPE PLASTIC 2 TIER STANDARD
PRODUCT: REF. SPECS
VENTING: FULL LATTICE MESH
COLOR: RED (STANDARD - CLASS A FIRE RATED)
TOP: SLOPE TOP
LOCK: PADLOCK
LOCATION: PE LOCKER ROOMS

LR-3: MFG: ASI
TYPE: METAL 2 TIER STANDARD
PRODUCT: REF. SPECS
VENTING: STANDARD SLOT
COLOR: BLACK
TOP: FLAT TOP
LOCK: COMBINATION
LOCATION: CORRIDORS

TEXTILES

TEX-1: MFG: SWF CONTRACT OR SIMILAR
TYPE: MANUAL/AUTOMATED ROLLER SHADES - 3% OPENNESS
PATTERN: CROSSHATCH R
COLOR: DESIGNER TO SELECT COLOR FROM MANF. STANDARD
LOCATION: ALL NEW WINDOWS WITHIN SCOPE OF WORK, REF. ARCH FLOOR PLAN FOR TYPE

TEX-2: MFG: DUVALTEX, GUILFORD OF MAINE
TYPE: TACKABLE FABRIC
PATTERN: FR701
COLOR: FLANNEL 795
LOCATION: DISPLAY CASES

TOILET PARTITIONS

TP-1 MFG: BOBRICK OR SIMILAR
TYPE: CL PHENOLIC
PRODUCT: DURALINE SERIES
COLOR: BLACK 909-58, DESIGNER TO APPROVE
LOCATION: RESTROOMS, LOCKER ROOMS
CONTACT: AMY FEHRIBACH 317-407-2534

WOOD DOORS

WD-1 TYPE: WOOD DOORS
SPECIES: MAPLE
FINISH: CUSTOM STAIN TO MATCH EXISTING SCHOOL STANDARD - DESIGNER TO APPROVE

LANCER ASSOCIATES ARCHITECTURE
145 NORTH EAST STREET
INDIANAPOLIS, IN 46204

PERRY TOWNSHIP SCHOOLS
ADDITION AND RENOVATIONS
971 EAST BANTA ROAD, INDIANAPOLIS, IN 46227



REVISIONS:

#	Date	Desc.
1	07/31/2026	Addendum #01
2	08/06/2026	Addendum #02

100% CONSTRUCTION DOCUMENTS

PROJECT: #24173S
DATE: 07/10/2026
DRAWN BY: Author

FINISH LEGEND

A720

PLOT DATE/TIME: 8/6/2026 11:01:36 AM

FLOOR FINISH HATCH LEGEND

WOM-1	EPX-1	TER-1
CPT-1	EPX-2	TER-2
CPT-2	RUB-1	TER-3
LVT-1		

PLAN NOTES - FINISH PLAN

1. EPOXY PAINT ON ALL WALLS
2. RUBBER STAIRTREAD/RISER RUB-2
3. WALL TILE WT-1 AT THIS LOCATION. INSTALL FROM TOP OF WALL BASE TO CEILING.
4. EXISTING AND/OR NEW BRICK MASONRY FINISH DOES NOT RECEIVE PAINT
5. TERRAZZO PRE-CAST STAIRTREADS/RISERS, TER-1. INCLUDE VISIBILITY STRIP WITH GRIT.
6. BENCH SEAT WITH SOLID SURFACE TOP AND PLASTIC LAMINATE FINISH FRONT AND SIDES. SEE INTERIORS ELEVATIONS.
7. CUSTOM ACOUSTICAL WALL PANEL COLLAGE, AWP-1. REFER TO FINISH LEGEND AND INTERIOR ELEVATION.
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11. LOCKER ROOMS TO HAVE ACCENT PAINT PT-2 AND PT-4 PAINTED ON WALLS. REFER TO TYPICAL INTERIOR ELEVATION 12/A751.
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13. PROVIDE CORNER GUARD AT THIS LOCATION, CG-1. REFER TO FINISH LEGEND.
14. ACCENT PAINT, PT-3 AT THIS LOCATION. REFER TO FINISH LEGEND.
15. CORRIDOR CARPET TO BE MITER CUT AT WALL'S CORNER. FOLLOW FLOORING DIRECTIONAL ARROW AND INSTALL METHOD AS INDICATED.
16. WALL TILE WT-2 AT THIS LOCATION. REFER TO INTERIOR ELEVATIONS FOR HEIGHT.
17. PLASTIC LAMINATE, PL-3 FINISHED WALL. REFER TO FINISH LEGEND.
18. ACCENT PAINT, PT-2 AT THIS LOCATION. REFER TO FINISH LEGEND.
19. DISPLAY CASES. CLASS SHELVING AND TACKABLE FABRIC ON BACK WALL. REFER TO ELEVATIONS AND SECTIONS.

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O. ALL WALLS AND CEILINGS TO BE PAINTED PT-1, UNLESS NOTED OTHERWISE.

P. WHERE WINDOW SILLS ARE LOCATED, SILL TO BE SOLID SURFACE SS-1.

Q. ALL HM DOOR FRAMES, NEW AND EXISTING, IN THEIR ENTIRETY ARE TO BE PAINTED PT-3 UNLESS NOTED OTHERWISE.

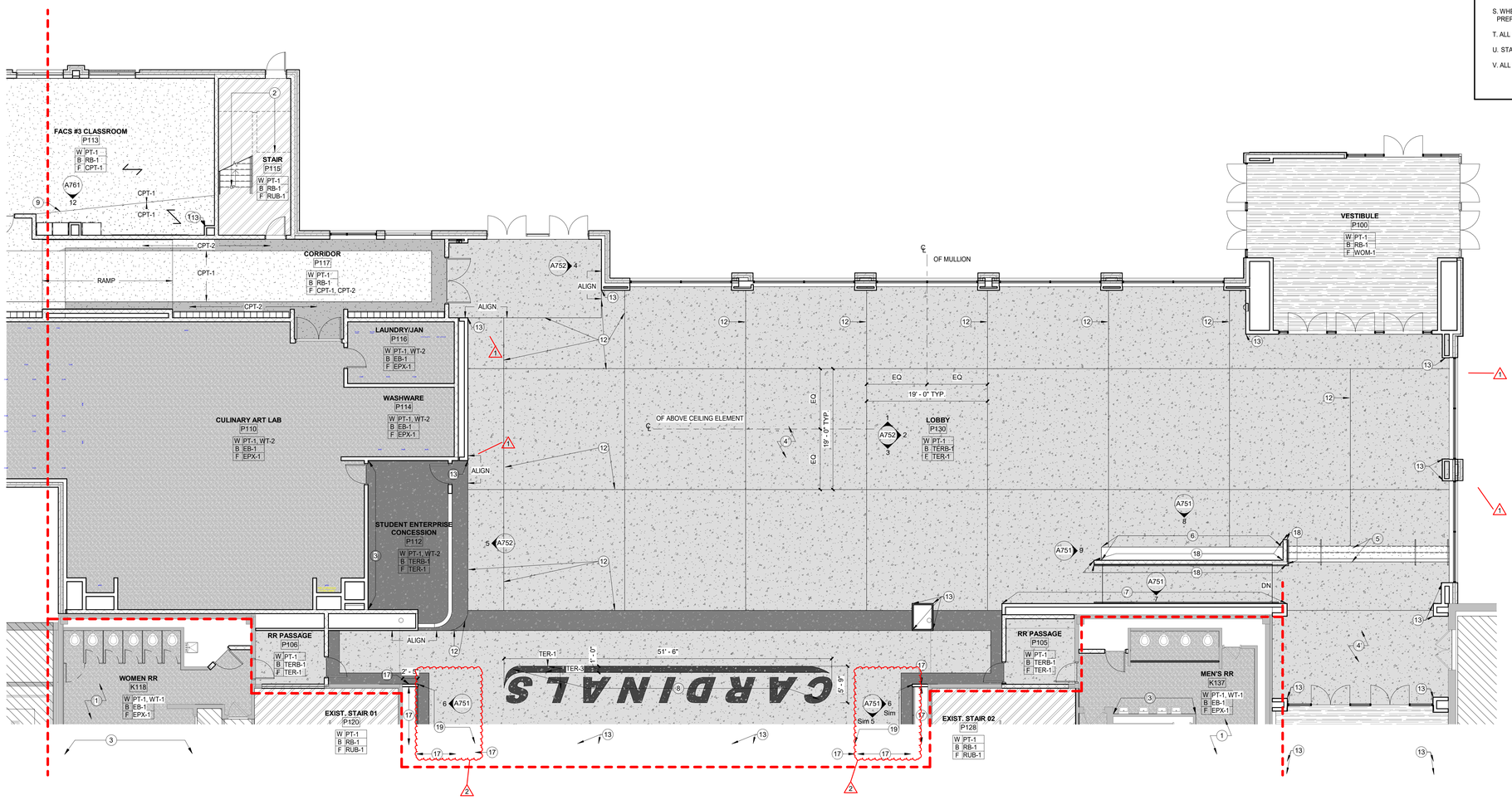
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V. ALL COLUMNS TO BE PAINTED PT-3, UNLESS NOTED OTHERWISE.



1 INTERIOR FINISH PLAN - FIRST FLOOR - UNIT P
SCALE: 1/8" = 1'-0"

LANCER ASSOCIATES ARCHITECTURE
145 NORTH EAST STREET
INDIANAPOLIS, IN 46204

PERRY TOWNSHIP SCHOOLS
ADDITION AND RENOVATIONS
971 EAST BANTA ROAD, INDIANAPOLIS, IN 46227

HENRY L. CRIPPEN REGISTERED ARCHITECT NO. 8900139 STATE OF INDIANA

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1	07/31/2026	Addendum #01
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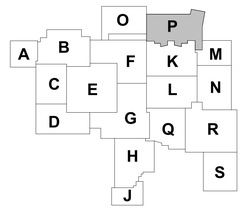
100% CONSTRUCTION DOCUMENTS

PROJECT:	#24173S
DATE:	07/10/2026
DRAWN BY:	Author

INTERIOR FINISH PLAN - FIRST FLOOR - UNIT P

A721P

N
TRUE NORTH



PLOT DATE/TIME:8/6/2026 10:42:10 AM

FLOOR FINISH HATCH LEGEND

- WOM-1
- EPX-1
- TER-1
- CPT-1
- EPX-2
- TER-2
- CPT-2
- RUB-1
- TER-3
- LVT-1

PLAN NOTES - FINISH PLAN

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C. ALL FLOORING TRANSITIONS TO COMPLY WITH ADA GUIDELINES AND TO OCCUR UNDER CENTOR OF DOORWAYS, AND OR AT CENTERLINE OF WALL. UNLESS INDICATED DIFFERENTLY ON FINISH PLANS.

D. CONTRACTOR TO PROVIDE PROTECTION AS NEEDED DURING CONSTRUCTION, IF ANY TO PRESERVE NEW FINISHES WHILE COMPLETING CONSTRUCTION.

E. CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFACTION OF DIMENSIONS AND JOB CONDITIONS. ANY DEVIATION FROM WHAT IS INDICATED ON THE FINISH PLANS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECTS AND DESIGNERS.

F. ALL DIMENSIONS SHOWN ARE TO FACE OF FINISH MATERIAL, UNLESS INDICATED OTHERWISE ON PLANS.

G. WHERE WALLS ARE INDICATED TO RECEIVE PAINT FINISH, PAINT ALL PRIMED GRILLES, FIRE EXTINGUISHER CABINERS, AND OTHER ITEMS EMBEDDED IN WALL CONSTRUCTION TO MATCH SURFACE ON WHICH THEY OCCUR UNLESS NOTED OTHERWISE.

H. CONTRACTOR TO PROVIDE DRYWALL REVEAL JOINT WHERE DRYWALL MEETS DISSIMILAR MATERIALS.

I. CONTRACTOR TO PROVIDE SCHLUTER EDGE WHERE TILE MEETS DISSIMILAR MATERIALS.

J. REFER TO FINISH LEGEND FOR INTERIOR FINISH INFORMATION.

K. DO NOT INSTALL GYPSUM BOARD BEHIND TILE BACKER BOARD LOCATIONS.

L. IF ONLY PAINT IS INDICATED AS THE FINISH, REFER TO ARCHITECTURAL FLOOR PLANS FOR SUBSTRATE INFORMATION.

M. REFER TO INTERIOR TRANSITION DETALS SHEET A731 FOR TRANSITION STRIP PRODUCT DETAILS.

N. ALL MECHANICAL CLOSETS TO HAVE A SEALED CONCRETE FLOOR FINISH. PROVIDE RESILIENT REDUCER TO MATCH RB-1 UNDER CENTER OF DOORWAY.

O. ALL WALLS AND CEILINGS TO BE PAINTED PT-1, UNLESS NOTED OTHERWISE.

P. WHERE WINDOW SILLS ARE LOCATED, SILL TO BE SOLID SURFACE SS-1.

Q. ALL HM DOOR FRAMES, NEW AND EXISTING, IN THEIR ENTIRETY ARE TO BE PAINTED PT-3 UNLESS NOTED OTHERWISE.

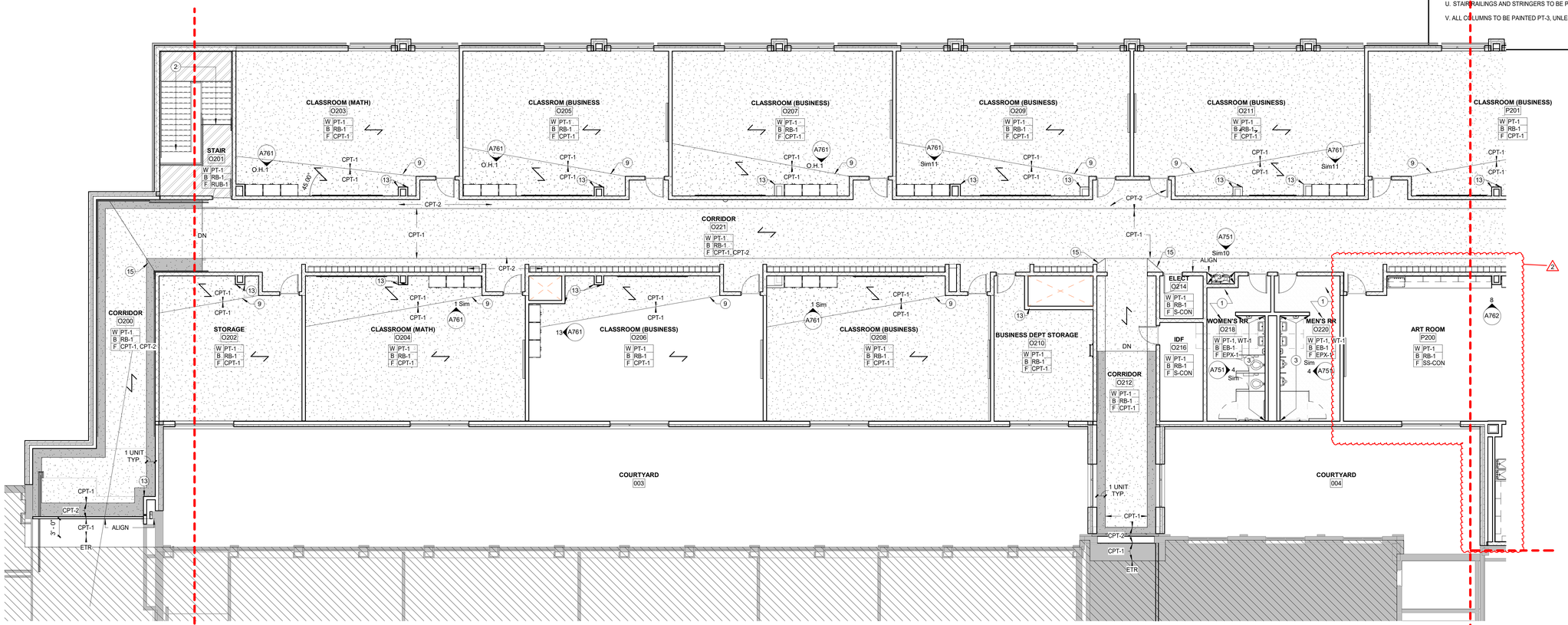
R. REFERENCE ELEVATIONS FOR CUSTOM WALL GRAPHICS, MURALS OR CHANGE IN WALL FINISHES

S. WHERE ALL SS-CON FINISH OCCURS, SURFACE IS TO BE CLEANED, PATCHED, AND PREPPED FOR STAIN AND SEAL.

T. ALL PAINT IN RESTROOMS AND LOCKER ROOMS TO BE EPOXY PAINT.

U. STAIR RAILINGS AND STRINGERS TO BE PAINTED PT-3 UNLESS NOTED OTHERWISE.

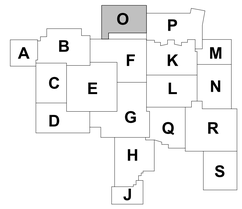
V. ALL COLUMNS TO BE PAINTED PT-3, UNLESS NOTED OTHERWISE.



1 INTERIOR FINISH PLAN - SECOND FLOOR - UNIT O

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

N
TRUE NORTH



LANCER ASSOCIATES ARCHITECTURE
145 NORTH EAST STREET
INDIANAPOLIS, IN 46204

PERRY TOWNSHIP SCHOOLS
ADDITION AND RENOVATIONS
971 EAST BANTA ROAD, INDIANAPOLIS, IN 46227

TERRI L. CRIPPS REGISTERED No. 80503339 STATE OF INDIANA

REVISIONS:

#	Date	Desc.
2	08/06/2026	Addendum #02

100% CONSTRUCTION DOCUMENTS

PROJECT: #24173S
DATE: 07/10/2026
DRAWN BY: Author

INTERIOR FINISH PLAN - SECOND FLOOR - UNIT O

A722O

PLOT DATE/TIME: 8/6/2026 10:42:13 AM

FLOOR FINISH HATCH LEGEND

WOM-1	EPX-1	TER-1
CPT-1	EPX-2	TER-2
CPT-2	RUB-1	TER-3
LVT-1		

PLAN NOTES - FINISH PLAN

1 EPOXY PAINT ON ALL WALLS
2 RUBBER STAIRTREAD/RISER RUB-2
3 WALL TILE WT-1 AT THIS LOCATION. INSTALL FROM TOP OF WALL BASE TO CEILING.
4 EXISTING AND/OR NEW BRICK MASONRY FINISH DOES NOT RECEIVE PAINT
5 TERRAZZO PRE-CAST STAIRTREADS/RISERS, TER-1. INCLUDE VISIBILITY STRIP WITH GRIT.
6 BENCH SEAT WITH SOLID SURFACE TOP AND PLASTIC LAMINATE FINISH FRONT AND SIDES. SEE INTERIORS ELEVATIONS.
7 CUSTOM ACOUSTICAL WALL PANEL COLLAGE, AWP-1. REFER TO FINISH LEGEND AND INTERIOR ELEVATION.
8 CUSTOM TERRAZZO DESIGN, TER-3. FINAL DESIGN TO BE APPROVED WITH OWNER BEFORE INSTALL.
9 FLOORING DIRECTION CHANGE. FLOOR TILES TO BE AT A 45 DEGREE ANGLE. INSTALLER TO COORDINATE ANGLE WITH DESIGNER ON SITE BEFORE INSTALL.
10 PATCH PAINT AS NEEDED IN COORDINATION WITH NEWLY CONSTRUCTED AREAS.
11 LOCKER ROOMS TO HAVE ACCENT PAINT PT-2 AND PT-4 PAINTED ON WALLS. REFER TO TYPICAL INTERIOR ELEVATION 12/A751.
12 PROVIDE METAL STRIP FOR TERRAZZO FOR DESIGN INTENT AS NOTED ON FINISH PLANS. ALSO, INCLUDE TYPICAL METAL STRIPS FOR CONSTRUCTABILITY AS LISTED IN SPECS.
13 PROVIDE CORNER GUARD AT THIS LOCATION, CG-1. REFER TO FINISH LEGEND.
14 ACCENT PAINT, PT-3 AT THIS LOCATION. REFER TO FINISH LEGEND.
15 CORRIDOR CARPET TO BE MITER CUT AT WALL'S CORNER. FOLLOW FLOORING DIRECTIONAL ARROW AND INSTALL METHOD AS INDICATED.
16 WALL TILE WT-2 AT THIS LOCATION. REFER TO INTERIOR ELEVATIONS FOR HEIGHT.
17 PLASTIC LAMINATE, PL-3 FINISHED WALL. REFER TO FINISH LEGEND.
18 ACCENT PAINT, PT-2 AT THIS LOCATION. REFER TO FINISH LEGEND.
19 DISPLAY CASES, GLASS SHELVING AND TACKABLE FABRIC ON BACK WALL. REFER TO ELEVATIONS AND SECTIONS.

GENERAL FINISH PLAN NOTES

A. PRIOR TO INSTALLATION OF NEW FINISHES CONTRACTOR SHALL INSPECT ALL SUBSTRATES. IF A SUBSTRATE IS DEEMED UNACCEPTABLE, THE CONTRACTOR SHALL REPAIR AS NECESSARY FOR SUBSTRATE TO ACCEPT NEW MATERIALS.

B. CONTRACTOR TO VERIFY EXISTING CONDITIONS AND REPAIR ALL EXISTING WALLS, SLAB, AND CEILINGS TO A CONDITION SUITABLE FOR ACCEPTING NEW FINISHES AS PER MANUFACTURER'S RECOMMENDED INSTALLATION METHODS. MINIMUM LEVEL 4 FINISH ON EXISTING AND NEW WALLS, UNLESS NOTED OTHERWISE.

C. ALL FLOORING TRANSITIONS TO COMPLY WITH ADA GUIDELINES AND TO OCCUR UNDER CENTOR OF DOORWAYS, AND OR AT CENTERLINE OF WALL. UNLESS INDICATED DIFFERENTLY ON FINISH PLANS.

D. CONTRACTOR TO PROVIDE PROTECTION AS NEEDED DURING CONSTRUCTION, IF ANY TO PRESERVE NEW FINISHES WHILE COMPLETING CONSTRUCTION.

E. CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFACTION OF DIMENSIONS AND JOB CONDITIONS. ANY DEVIATION FROM WHAT IS INDICATED ON THE FINISH PLANS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECTS AND DESIGNERS.

F. ALL DIMENSIONS SHOWN ARE TO FACE OF FINISH MATERIAL, UNLESS INDICATED OTHERWISE ON PLANS.

G. WHERE WALLS ARE INDICATED TO RECEIVE PAINT FINISH, PAINT ALL PRIMED GRILLES, FIRE EXTINGUISHER CABINERS, AND OTHER ITEMS EMBEDDED IN WALL CONSTRUCTION TO MATCH SURFACE ON WHICH THEY OCCUR UNLESS NOTED OTHERWISE.

H. CONTRACTOR TO PROVIDE DRYWALL REVEAL JOINT WHERE DRYWALL MEETS DISSIMILAR MATERIALS.

I. CONTRACTOR TO PROVIDE SCHLUTER EDGE WHERE TILE MEETS DISSIMILAR MATERIALS.

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K. DO NOT INSTALL GYPSUM BOARD BEHIND TILE BACKER BOARD LOCATIONS.

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M. REFER TO INTERIOR TRANSITION DETALS SHEET A731 FOR TRANSITION STRIP PRODUCT DETAILS.

N. ALL MECHANICAL CLOSETS TO HAVE A SEALED CONCRETE FLOOR FINISH. PROVIDE RESILIENT REDUCER TO MATCH RB-1 UNDER CENTER OF DOORWAY.

O. ALL WALLS AND CEILINGS TO BE PAINTED PT-1, UNLESS NOTED OTHERWISE.

P. WHERE WINDOW SILLS ARE LOCATED, SILL TO BE SOLID SURFACE SS-1.

Q. ALL HM DOOR FRAMES, NEW AND EXISTING, IN THEIR ENTIRETY ARE TO BE PAINTED PT-3 UNLESS NOTED OTHERWISE.

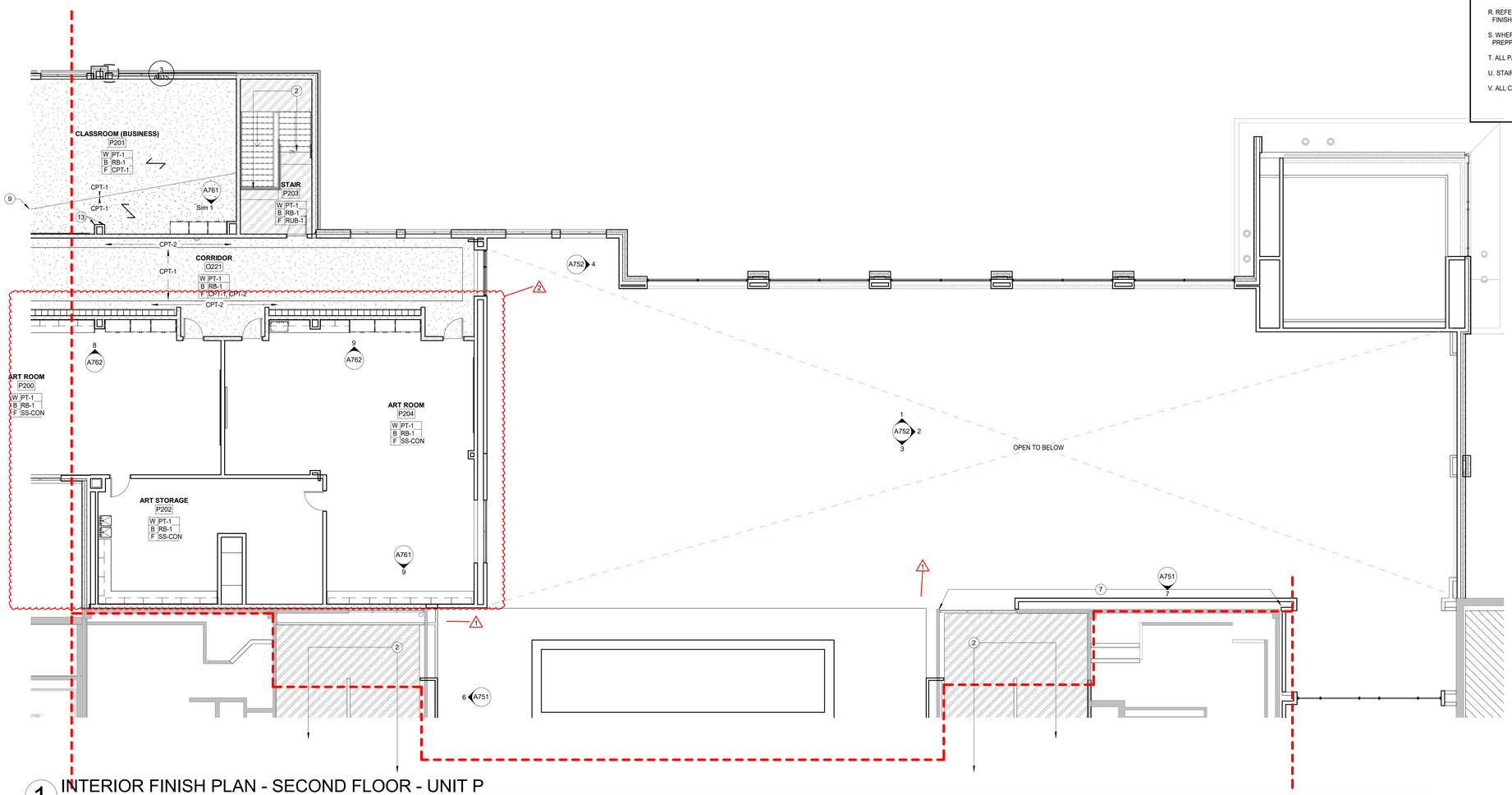
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T. ALL PAINT IN RESTROOMS AND LOCKER ROOMS TO BE EPOXY PAINT.

U. STAIR RAILINGS AND STRINGERS TO BE PAINTED PT-3 UNLESS NOTED OTHERWISE.

V. ALL COLUMNS TO BE PAINTED PT-3, UNLESS NOTED OTHERWISE.



1 INTERIOR FINISH PLAN - SECOND FLOOR - UNIT P
SCALE: 1/8" = 1'-0"

LANCER ASSOCIATES ARCHITECTURE
145 NORTH EAST STREET
INDIANAPOLIS, IN 46204

PERRY TOWNSHIP SCHOOLS
ADDITION AND RENOVATIONS
971 EAST BANTA ROAD, INDIANAPOLIS, IN 46227

REVISIONS:

#	Date	Desc.
1	07/31/2026	Addendum #01
2	08/06/2026	Addendum #02

100% CONSTRUCTION DOCUMENTS

PROJECT: #24173S
DATE: 07/10/2026
DRAWN BY: Author

INTERIOR FINISH PLAN - SECOND FLOOR - UNIT P

A722P

TRUE NORTH

A B C D E F G H J K L M N O P Q R S

PLOT DATE/TIME:8/6/2026 10:42:14 AM

GENERAL CASEWORK NOTES

1. FABRICATE WOODWORK/ MILLWORK ITEMS TO ACTUAL FIELD DIMENSIONS. CONTRACTOR SHALL SUBMIT FOR DESIGNERS APPROVALS SHOP DRAWING SAMPLES OR MANUFACTURER'S LITERATURE FOR ALL ITEMS. SHOP DRAWINGS SHALL SHOW SUFFICIENT DETAIL TO DETERMINE COMPLIANCE WITH STANDARDS AND DESIGN INTENT.

2. PROVIDE ALL NECESSARY FURRING AND GROUNDS FOR WOODWORK AND FINISH ITEMS. COORDINATE LOCATION OF BLOCKING WITHIN FRAMED WALLS AS NECESSARY FOR ITEMS TO BE SECURED TO SURFACE. ALL FASTENERS SHALL BE CONCEALED.

3. FINISH ALL SIDES AND BACK OF MILLWORK/ CASEWORK

4. PROVIDE GROMMETS IN COUNTERTOPS ABOVE ALL ELECTRICAL RECEPTICALS AND TELEPHONE DATA ROUTINGS.

5. ALL PULLS TO BE 4" SATIN NICKEL SOLID WIRE PULL

6. PROVIDE LOCKS FOR ALL STORAGE CASE CABINETS/ TALL STORAGE CABINETS, ALL DRAWERS AND DOORS, ALL UPPER WALL CABINETS AND ALL DISPLAY CASE SLIDING GLASS PANELS.

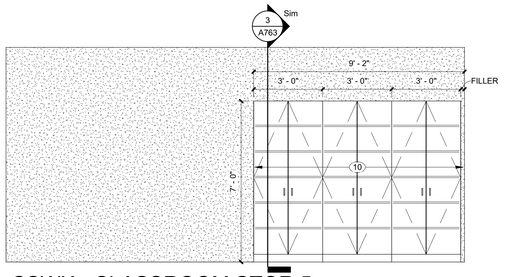
7. ALL PLASTIC LAMINATE SURFACES ON EXTERIOR OF CABINETS SHALL BE A STANDARD COLOR AS LISTED ON THE FINISH SCHEDULE:

8. ALL INTERIORS BEHIND DOORS/ DRAWERS AND NOT VISIBLE SHALL BE WHITE. ALL SOLID SURFACE COUNTERTOPS SHALL BE A STANDARD COLOR AS SELECTED BY THE ARCHITECT

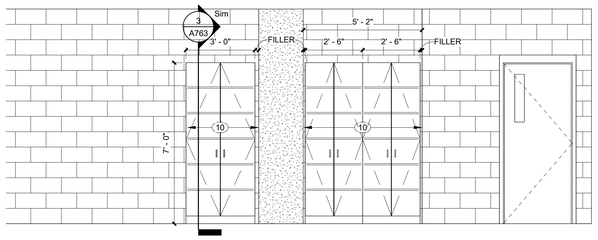
9. SEE ELEC. DWGS FOR ELECTRICAL DEVICES.

ELEVATION NOTES - INTERIOR

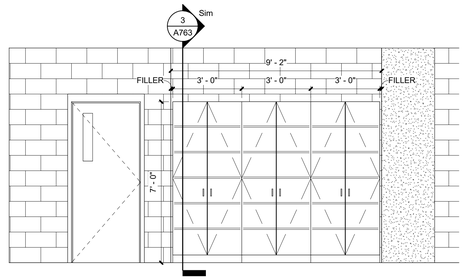
1. WALL TILE WT-1 AT THIS LOCATION. ALL EDGES TO BE FINISHED WITH SCHLUTER JOLLY TRIM INCLUDING CORNER TRANSITIONS AND FLOOR TO WALL TRANSITIONS.
2. DISPLAY CASE - TACKABLE SURFACE/TECTILE ON BACK WALL, 1/2" STAINED WOOD PLYWOOD ON INSIDE WALLS; ADJUSTABLE GLASS SHELVING SYSTEM
3. SOLID SURFACE SS-1 TOP
4. CUSTOM ACOUSTICAL WALL PANEL COLLAGE, AWP-1, AWP-2, & AWP-3.
5. 18"HIGH X 1" DEEP 3D ACRYLIC LETTERING. TITLE AND FONT TO BE DETERMINED BY OWNER.
6. CUSTOM WALL GRAPHIC, WC-1 ON CMU. FINAL DESIGN TO BE COORDINATED WITH OWNER.
7. ACCENT PAINT, PT-2 AT THIS LOCATION. REFER TO FINISH LEGEND.
8. ACCENT PAINT, PT-3 AT THIS LOCATION. REFER TO FINISH LEGEND.
9. WALL TILE WT-2 AT THIS LOCATION. ALL EDGES TO BE FINISHED WITH SCHLUTER JOLLY TRIM INCLUDING CORNER TRANSITIONS AND FLOOR TO WALL TRANSITIONS.
10. PLASTIC LAMINATE, PL-1 AT THIS LOCATION. REFER TO FINISH LEGEND.
11. SOLID SURFACE, SS-1 COUNTERTOP (REF. ELEV. FOR BACKSPLASH) AT THIS LOCATION. REFER TO FINISH LEGEND.
12. PLASTIC LAMINATE, PL-3. FOLLOW SEAM DESIGN AND LAYOUT AS INDICATED. USE MANF. RECOMMENDED TRIM AS NEEDED.
13. ACOUSTICAL WALL PANEL, AWP-1. FOLLOW SEAM DESIGN AND LAYOUT AS INDICATED. USE MANF. RECOMMENDED TRIM AND INSTALL GUIDE. DESIGNER TO BE ON-SITE DURING INSTALL.
14. PLASTIC LAMINATE, PL-2 AT THIS LOCATION. REFER TO FINISH LEGEND.
15. SOLID SURFACE, SS-2 COUNTERTOP (REF. ELEV. FOR BACKSPLASH) AT THIS LOCATION. REFER TO FINISH LEGEND.
16. TALL TOTE TRAY CABINET. REFER TO SECTIONS.



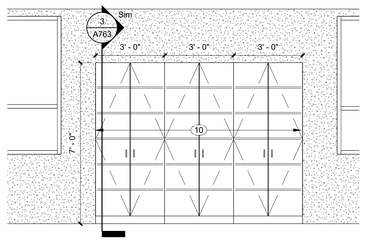
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SCALE: 3/8" = 1'-0" REF. 1 / A722O



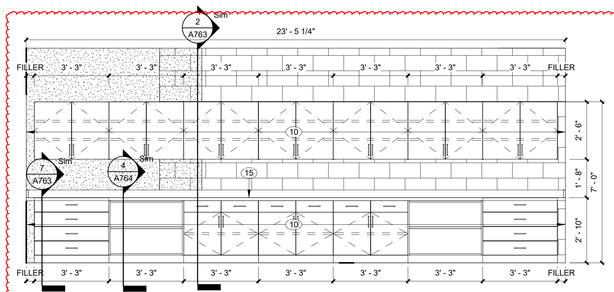
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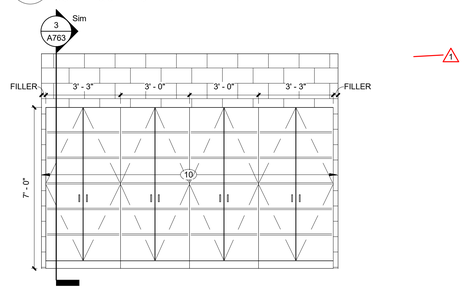
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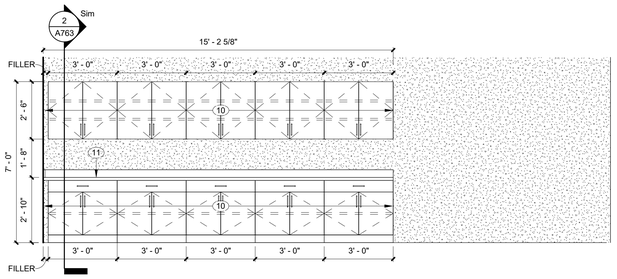
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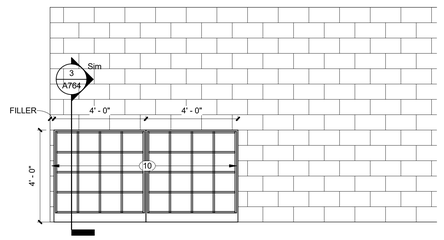
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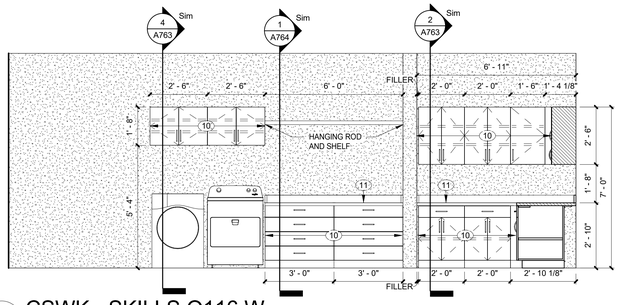
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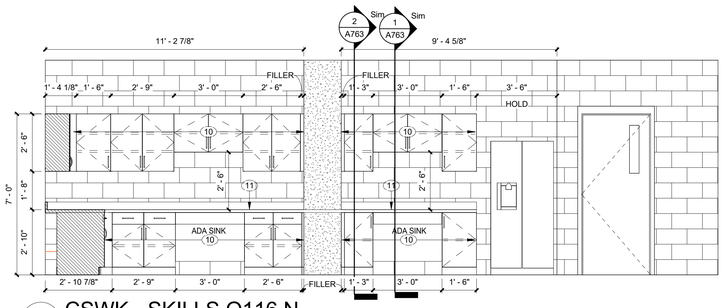
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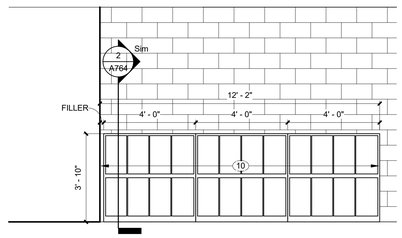
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SCALE: 3/8" = 1'-0" REF. 1 / A721O



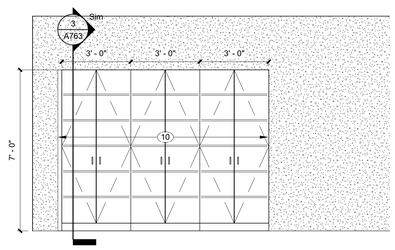
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SCALE: 3/8" = 1'-0" REF. 1 / A721O



3 CSWK - SKILLS O116 N
SCALE: 3/8" = 1'-0" REF. 1 / A721O



2 CSWK - SPED TYP. STOR
SCALE: 3/8" = 1'-0" REF. 1 / A721K



1 CSWK - CLASSROOM STOR 1
SCALE: 3/8" = 1'-0" REF. 3 / A403

LANCER ASSOCIATES ARCHITECTURE
145 NORTH EAST STREET
INDIANAPOLIS, IN 46204

PERRY TOWNSHIP SCHOOLS
ADDITION AND RENOVATIONS
971 EAST BANTA ROAD, INDIANAPOLIS, IN 46227

JERYL L. CRIPE
REGISTERED
NO.
8800139
STATE OF
INDIANA

REVISIONS:

#	Date	Desc.
1	07/31/2026	Addendum #01
2	08/06/2026	Addendum #02

100% CONSTRUCTION DOCUMENTS

PROJECT: #24173S
DATE: 07/10/2026
DRAWN BY: Author

CASEWORK ELEVATIONS

A761

PLOT DATE/TIME:8/6/2026 1:10:42:15 AM

GENERAL CASEWORK NOTES

1. FABRICATE WOODWORK/ MILLWORK ITEMS TO ACTUAL FIELD DIMENSIONS. CONTRACTOR SHALL SUBMIT FOR DESIGNERS APPROVALS SHOP DRAWING SAMPLES OR MANUFACTURER'S LITERATURE FOR ALL ITEMS. SHOP DRAWINGS SHALL SHOW SUFFICIENT DETAIL TO DETERMINE COMPLIANCE WITH STANDARDS AND DESIGN INTENT.

2. PROVIDE ALL NECESSARY FURRING AND GROUNDS FOR WOODWORK AND FINISH ITEMS. COORDINATE LOCATION OF BLOCKING WITHIN FRAMED WALLS AS NECESSARY FOR ITEMS TO BE SECURED TO SURFACE. ALL FASTENERS SHALL BE CONCEALED.

3. FINISH ALL SIDES AND BACK OF MILLWORK/ CASEWORK

4. PROVIDE GROMMETS IN COUNTERTOPS ABOVE ALL ELECTRICAL RECEPTICALS AND TELEPHONE DATA ROUTINGS.

5. ALL PULLS TO BE 4" SATIN NICKEL SOLID WIRE PULL

6. PROVIDE LOCKS FOR ALL STORAGE CASE CABINETS/ TALL STORAGE CABINETS, ALL DRAWERS AND DOORS, ALL UPPER WALL CABINETS AND ALL DISPLAY CASE SLIDING GLASS PANELS.

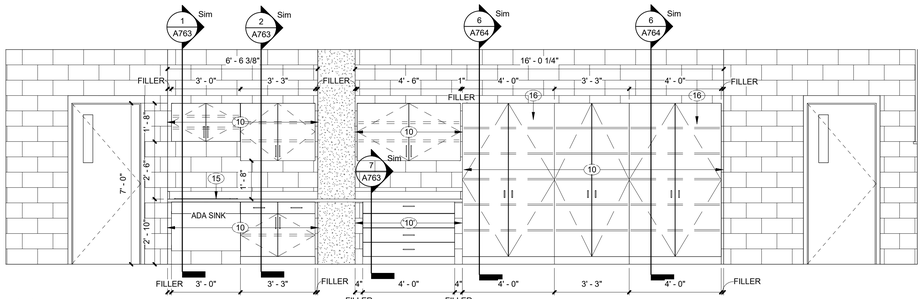
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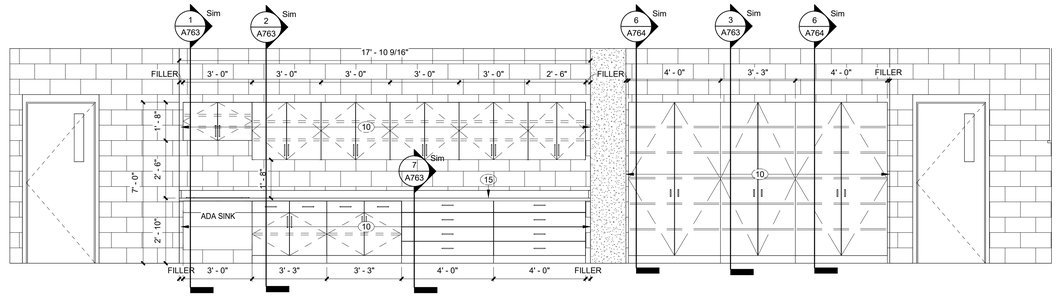
ELEVATION NOTES - INTERIOR

1. WALL TILE WT-1 AT THIS LOCATION. ALL EDGES TO BE FINISHED WITH SCHLUTER JOLLY TRIM INCLUDING CORNER TRANSITIONS AND FLOOR TO WALL TRANSITIONS.
2. DISPLAY CASE - TACKABLE SURFACE/TECTILE ON BACK WALL, 1/2" STAINED WOOD PLYWOOD ON INSIDE WALLS; ADJUSTABLE GLASS SHELVING SYSTEM
3. SOLID SURFACE SS-1 TOP
4. CUSTOM ACOUSTICAL WALL PANEL COLLAGE, AWP-1, AWP-2, & AWP-3.
5. 18"HIGH X 1" DEEP 3D ACRYLIC LETTERING. TITLE AND FONT TO BE DETERMINED BY OWNER.
6. CUSTOM WALL GRAPHIC, WC-1 ON CMU. FINAL DESIGN TO BE COORDINATED WITH OWNER.
7. ACCENT PAINT, PT-2 AT THIS LOCATION. REFER TO FINISH LEGEND.
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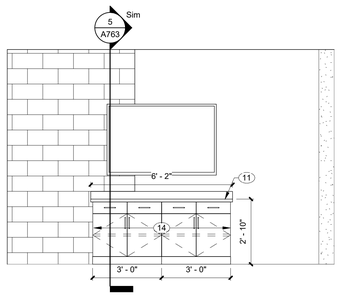
9 CSWK - ART ROOM P204 N

SCALE: 3/8" = 1'-0" REF. 1 / A722P



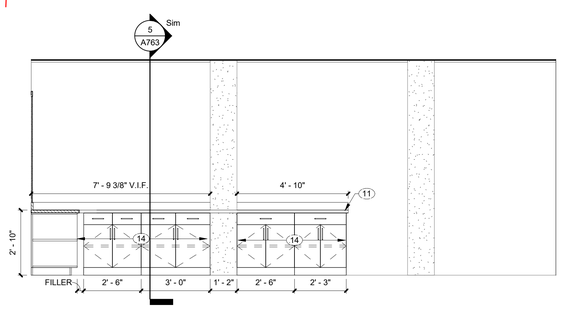
8 CSWK - ART ROOM P200 N

SCALE: 3/8" = 1'-0" REF. 1 / A112



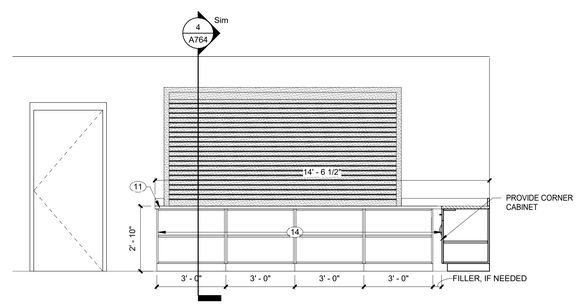
7 CSWK - CONF. ROOM L140 S

SCALE: 3/8" = 1'-0" REF. 1 / A721L



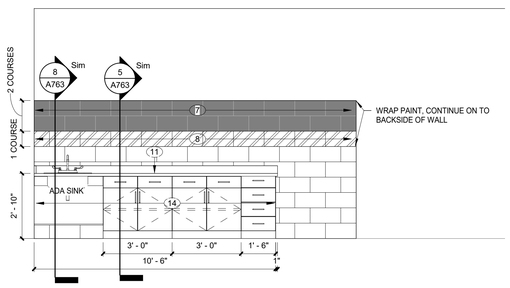
6 CSWK - SPIRIT WEAR K131 E

SCALE: 3/8" = 1'-0" REF. 1 / A721K



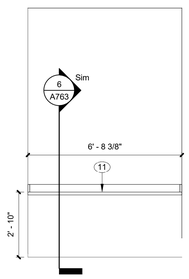
5 CSWK - SPIRIT WEAR K131 N

SCALE: 3/8" = 1'-0" REF. 1 / A721K



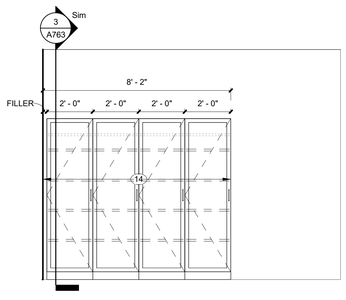
4 CSWK - TRAINING L142 S

SCALE: 3/8" = 1'-0" REF. 1 / A721L



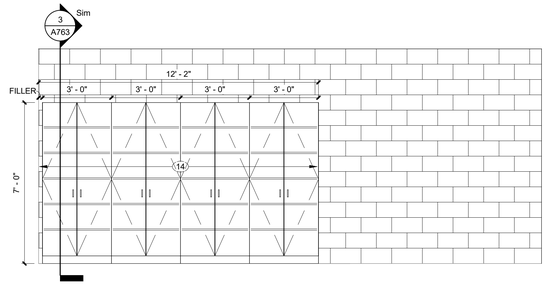
3 CSWK - OFF. LOUNGE L147 E

SCALE: 3/8" = 1'-0" REF. 1 / A721L



2 CSWK - OFFICIAL'S LOUNGE L147 W

SCALE: 3/8" = 1'-0" REF. 1 / A721L



1 CSWK - PE COACH L148 W

SCALE: 3/8" = 1'-0" REF. 1 / A721L

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1	07/31/2026	Addendum #01
2	08/06/2026	Addendum #02

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PROJECT: #24173S
DATE: 07/10/2026
DRAWN BY: Author

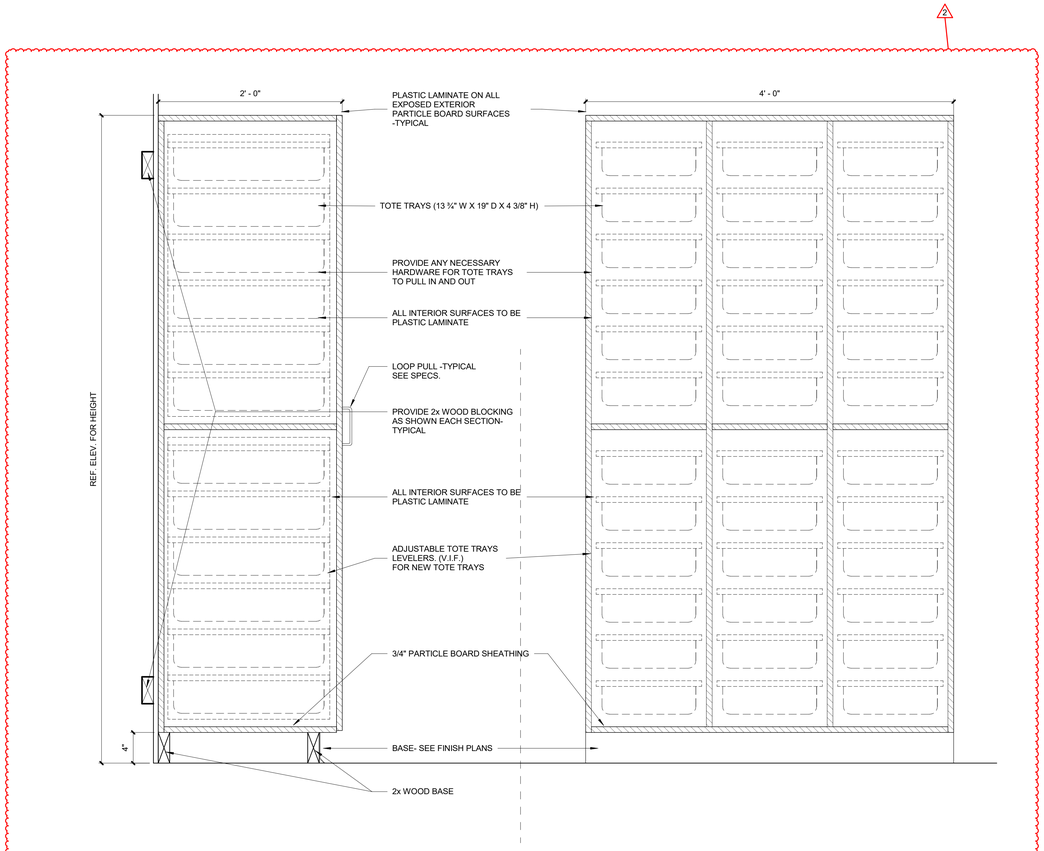
CASEWORK ELEVATIONS

A762

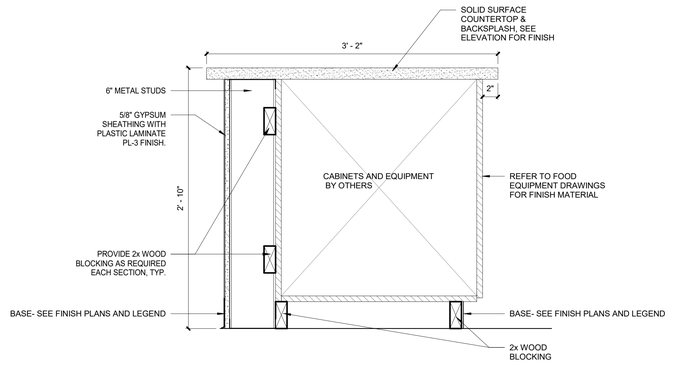
PLOT DATE/TIME:8/6/2026 10:42:19 AM

GENERAL CASEWORK NOTES

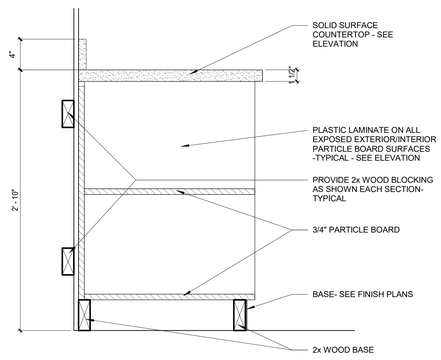
1. FABRICATE WOODWORK/ MILLWORK ITEMS TO ACTUAL FIELD DIMENSIONS. CONTRACTOR SHALL SUBMIT FOR DESIGNERS APPROVALS SHOP DRAWING SAMPLES OR MANUFACTURER'S LITERATURE FOR ALL ITEMS. SHOP DRAWINGS SHALL SHOW SUFFICIENT DETAIL TO DETERMINE COMPLIANCE WITH STANDARDS AND DESIGN INTENT.
2. PROVIDE ALL NECESSARY FURRING AND GROUNDS FOR WOODWORK AND FINISH ITEMS. COORDINATE LOCATION OF BLOCKING WITHIN FRAMED WALLS AS NECESSARY FOR ITEMS TO BE SECURED TO SURFACE. ALL FASTENERS SHALL BE CONCEALED.
3. FINISH ALL SIDES AND BACK OF MILLWORK/ CASEWORK
4. PROVIDE GROMMETS IN COUNTERTOPS ABOVE ALL ELECTRICAL RECEPTICALS AND TELEPHONE DATA ROUTINGS.
5. ALL PULLS TO BE 4" SATIN NICKEL SOLID WIRE PULL
6. PROVIDE LOCKS FOR ALL STORAGE CASE CABINETS/ TALL STORAGE CABINETS, ALL DRAWERS AND DOORS, ALL UPPER WALL CABINETS AND ALL DISPLAY CASE SLIDING GLASS PANELS.
7. ALL PLASTIC LAMINATE SURFACES ON EXTERIOR OF CABINETS SHALL BE A STANDARD COLOR AS LISTED ON THE FINISH SCHEDULE.
8. ALL INTERIORS BEHIND DOORS/ DRAWERS AND NOT VISIBLE SHALL BE WHITE. ALL SOLID SURFACE COUNTERTOPS SHALL BE A STANDARD COLOR AS SELECTED BY THE ARCHITECT
9. SEE ELEC. DWGS FOR ELECTRICAL DEVICES.



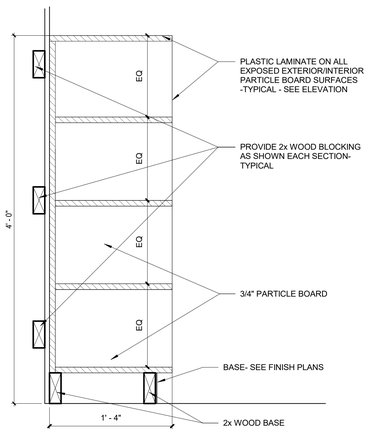
6 CASEWORK TALL TOTE TRAY CABINET SECTION
SCALE: 1 1/2" = 1'-0" REF. 8 / A762



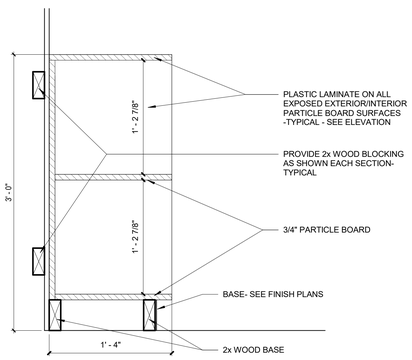
5 CSWK - STUDENT POS COUNTER
SCALE: 1 1/2" = 1'-0" REF. 5 / A752



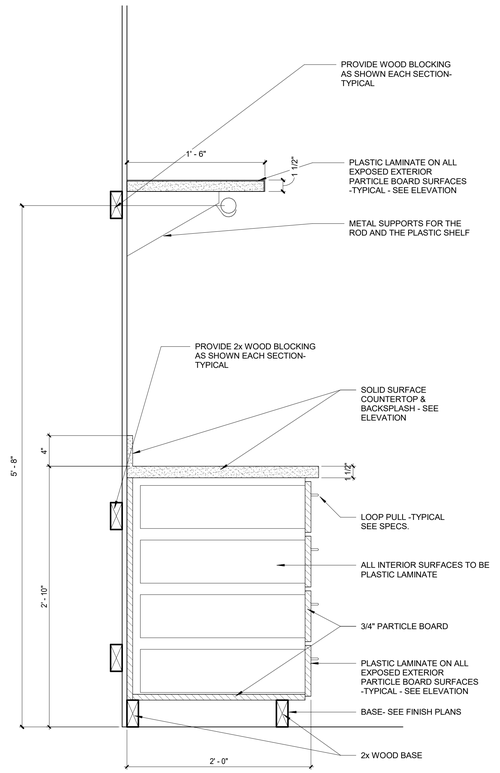
4 CSWK - OPEN SHELVES BASE SECTION 24"D
SCALE: 1 1/2" = 1'-0" REF. 9 / A761



3 CSWK - 4 TIER CUBBY SECTION
SCALE: 1 1/2" = 1'-0" REF. 5 / A761



2 CSWK - 2 TIER CUBBY SECTION
SCALE: 1 1/2" = 1'-0" REF. 2 / A761



1 CSWK - 4 DRAWER BASE W/ HANGING ROD
SCALE: 1 1/2" = 1'-0" REF. 4 / A761

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1	07/31/2026	Addendum #01
2	08/08/2026	Addendum #02

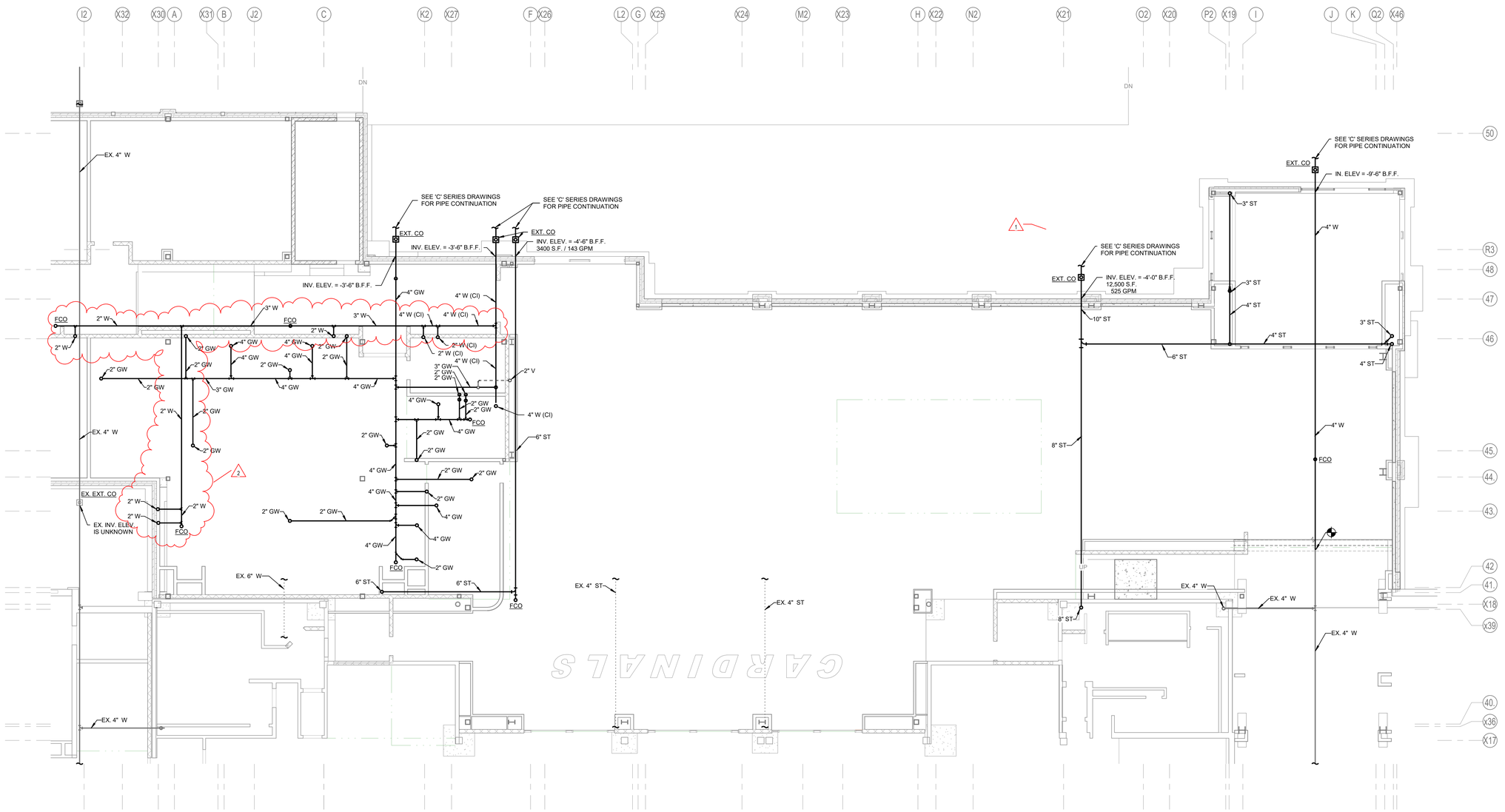
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DRAWN BY:	Author

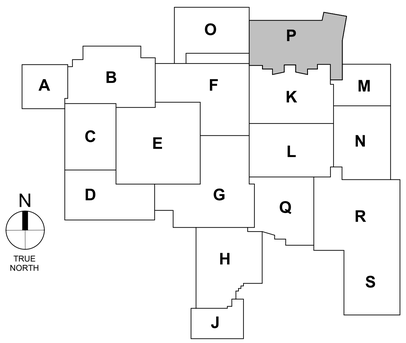
CASEWORK SECTIONS

A764

PLOT DATE/TIME:8/8/2026 10:42:16 AM



1 PLUMBING FOUNDATION PLAN - UNIT P
1/8" = 1'-0"



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REGISTERED
NO. PE10808972
STATE OF
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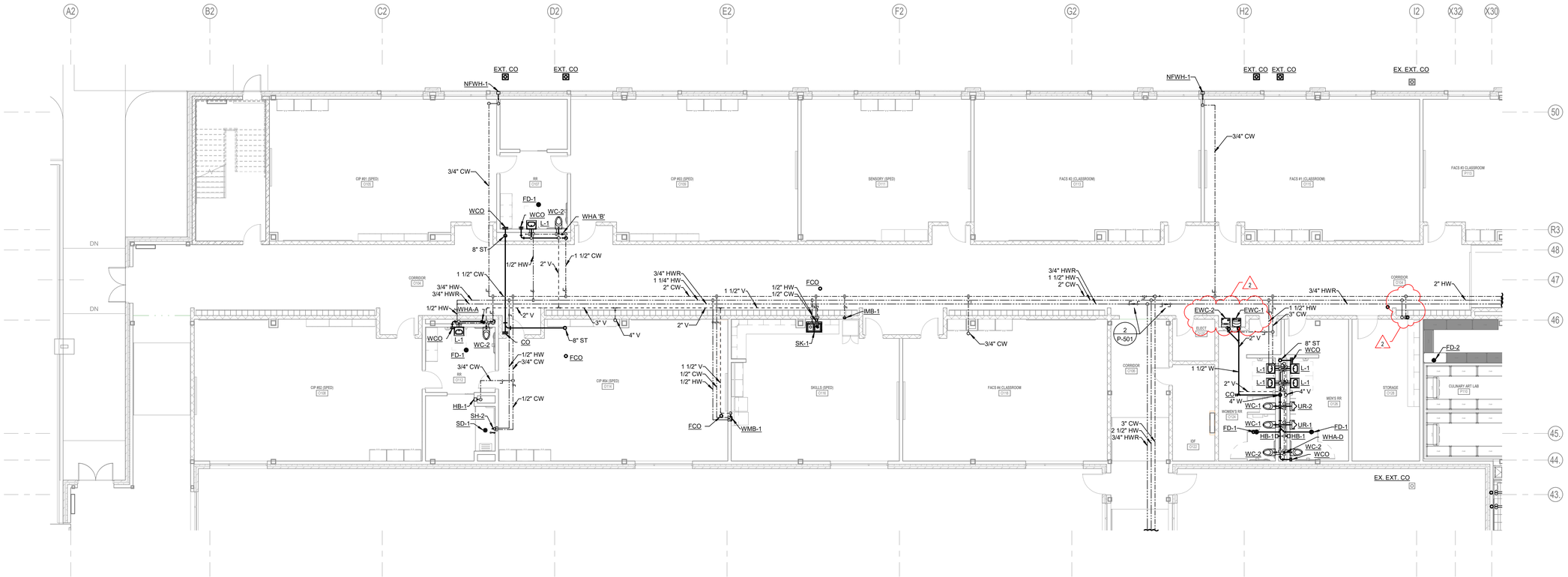
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DATE:	07/10/2026
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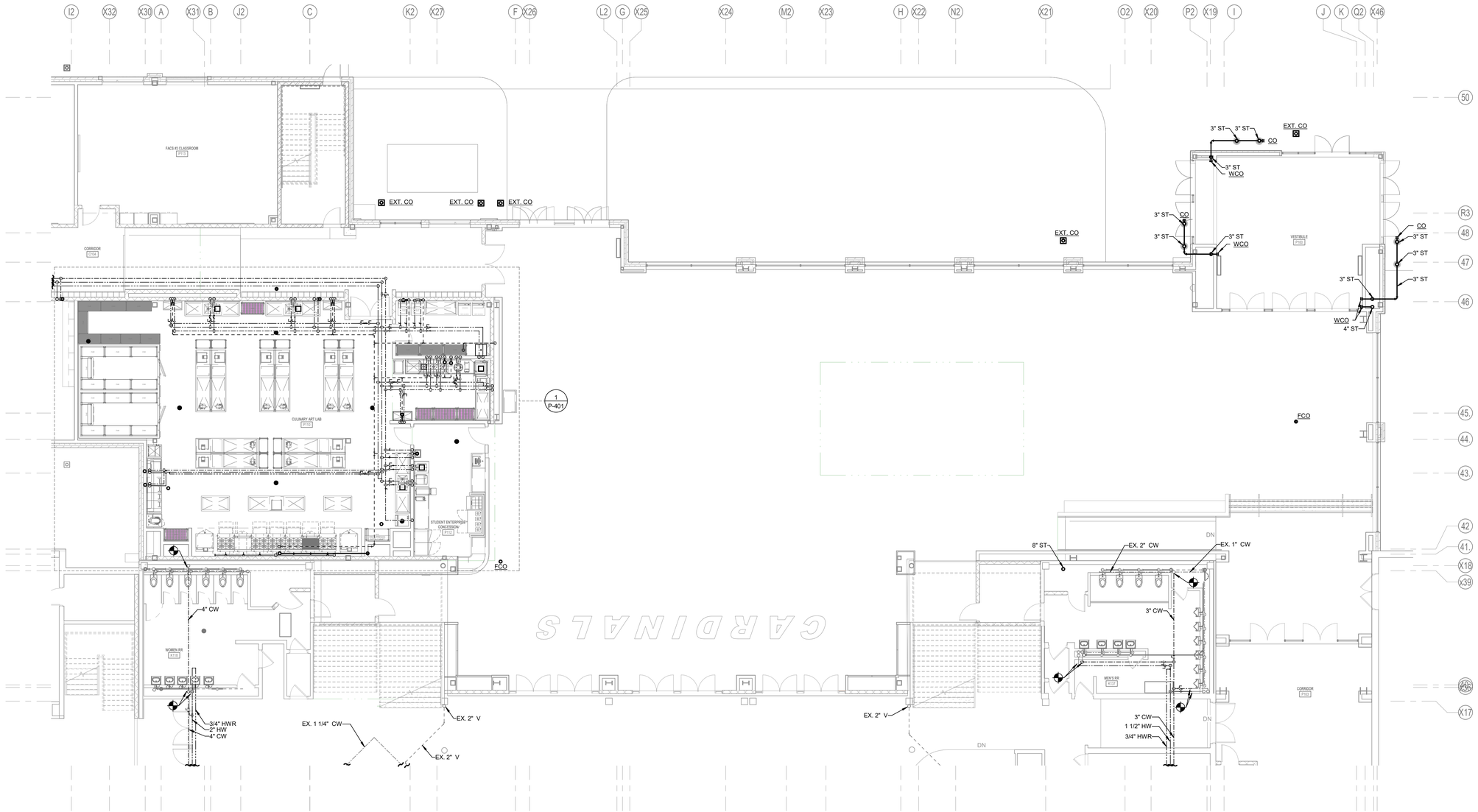
PLUMBING FOUNDATION PLAN - UNIT P

PF105

PLOT DATE/TIME 8/5/2026 11:29:37 AM

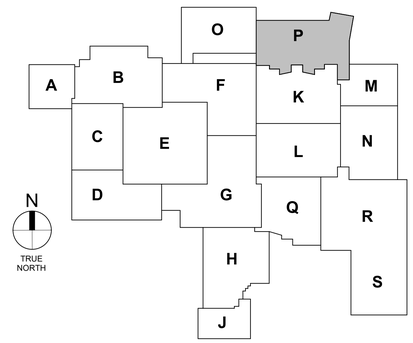
CARDINALS


A2
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D2
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F2
G2
H2
I2
X32
X30
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R3
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46
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44
43
EXT. CO
NFWH-1
3/4" CW
WCO
FD-1
WC-2
L-1
WHA 'B'
8" ST
1/2" HW
2" V
1 1/2" CW
1 1/2" CW-
3/4" HW
3/4" HWR-
WHA-A
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4" V
1/2" HW
3/4" CW
HB-1
SH-2
SD-1
3/4" HWR
1 1/4" HW-
2" CW
1 1/2" V
1/2" CW-
IMB-1
SK-1
WMB-1
3/4" CW
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P-501
EWC-2
EWC-1
1 1/2" HW
3" CW
2" V
8" ST
WCO
L-1
4" V
4" W
WC-1
UR-2
UR-1
FD-1
HB-1
WHA-D
WC-2
WCO
3" CW
2 1/2" HW-
3/4" HWR-
EX. EXT. CO
2" HW
FD-2
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C308
C313
C318



1 PLUMBING FIRST FLOOR PLAN - UNIT P

1/8" = 1'-0"



PLOT DATE/TIME:8/5/2026 11:23:48 AM

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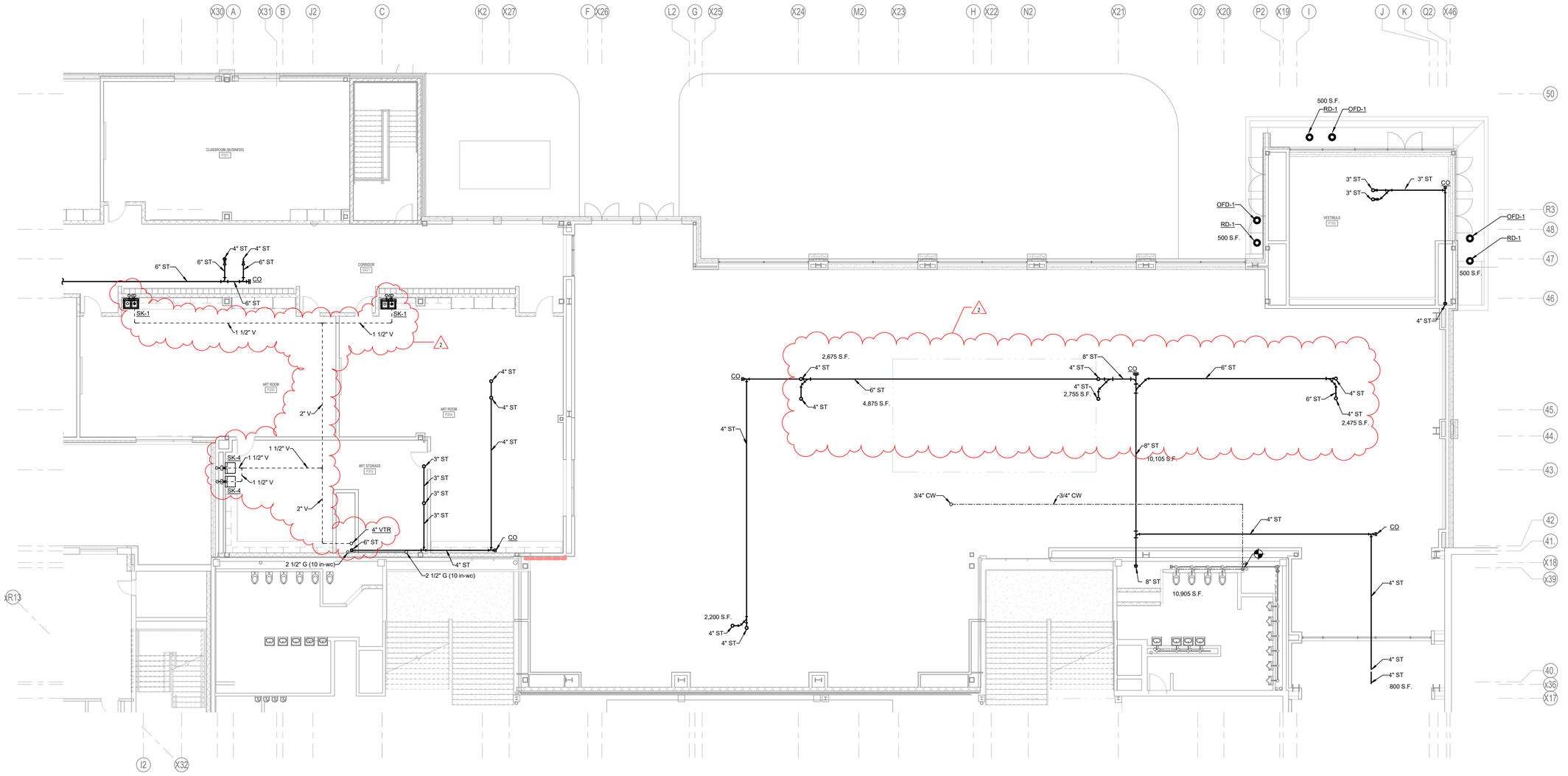
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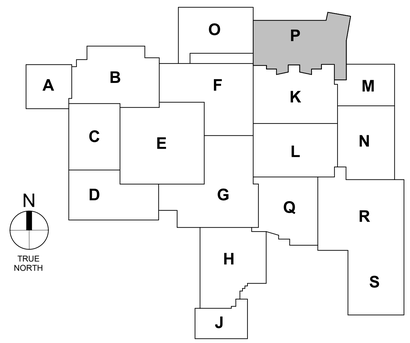
PLUMBING FIRST FLOOR PLAN - UNIT P

PP105



1 PLUMBING SECOND FLOOR PLAN - UNIT P

1/8" = 1'-0"



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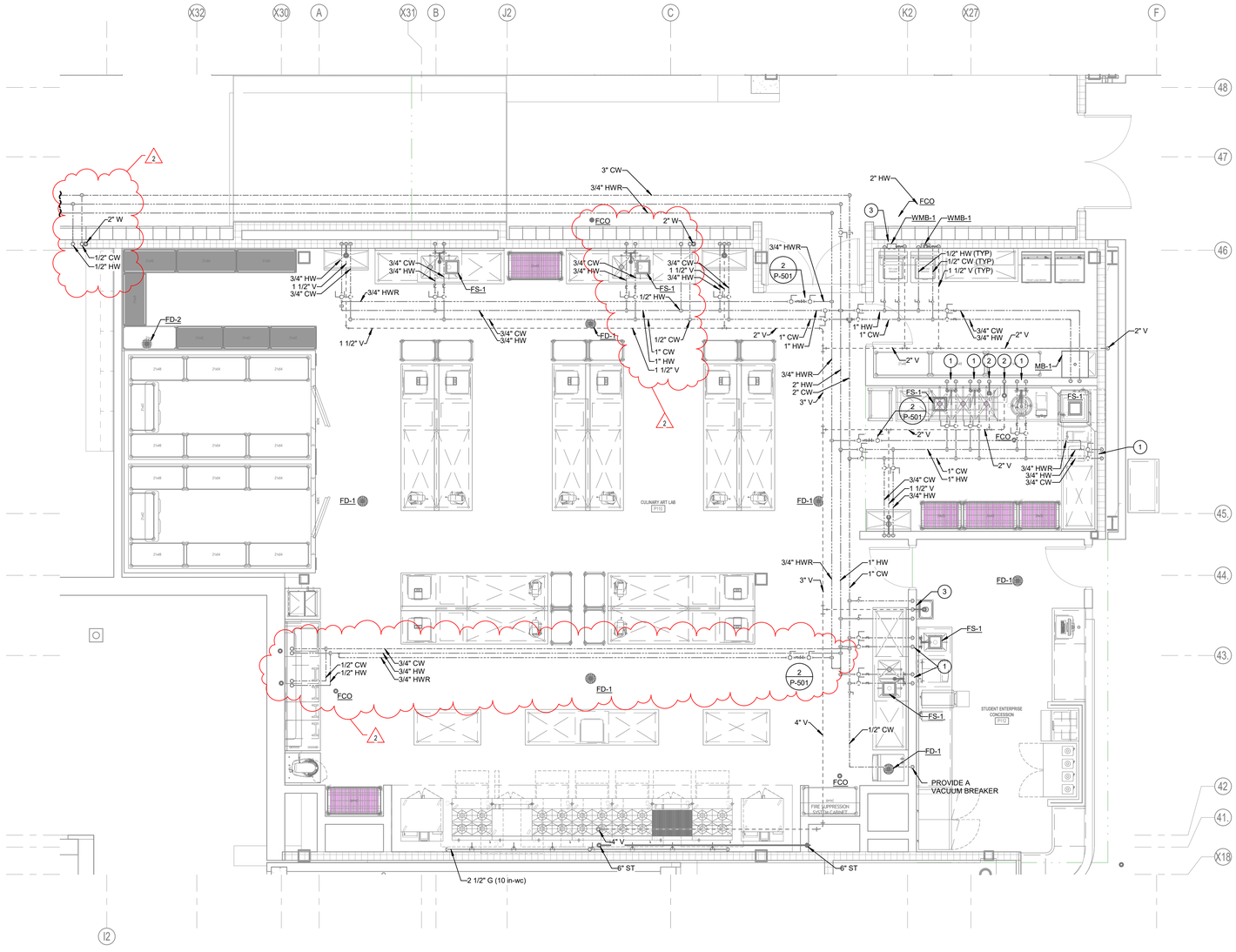
PLUMBING SECOND FLOOR PLAN - UNIT P

PP107

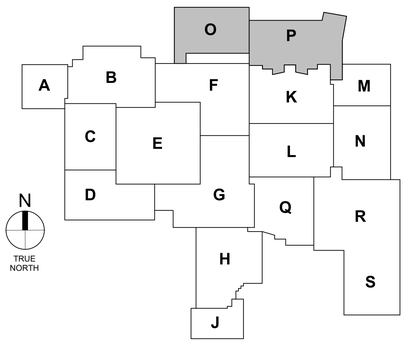
PLOT DATE/TIME:8/5/2026 11:22:48 AM

◯ ENLARGED PLUMBING PLAN NOTES

1 3/4" CW AND 3/4" HW DOWN IN WALL.
2 1-1/2" VENT DOWN IN WALL.
3 1/2" CW, 1/2" HW AND 1-1/2" VENT DOWN IN WALL.



1 PLUMBING ENLARGED PLANS - CULINARY ART LAB
1/4" = 1'-0"



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PLUMBING ENLARGED PLAN CULINARY ART LAB

P-401

PLOT DATE/TIME:8/5/2026 11:23:53 AM

COMMERCIAL WATER CLOSET SCHEDULE (224213.13)

FIXTURE				FLUSHOMETER				FIXTURE CONNECTION					
MARK	MANUFACTURER	MODEL	DESCRIPTION	MANUFACTURER	MODEL	OPERATION	TOILET SEAT	CW	W	V	MOUNTING (FLOOR TO RIM)	ADA COMPLIANT	NOTES
WC-1	AMERICAN STANDARD	#2257.101	WALL-MOUNTED, TOP SPUD WATER CLOSET	SLOAN	REGAL #111-1.6	MANUAL	CLOSED BACK, OPEN FRONT	1"	4"	2"	15"	No	
WC-2	AMERICAN STANDARD	#2257.101	WALL-MOUNTED, TOP SPUD, ACCESSIBLE WATER CLOSET	SLOAN	REGAL #111-1.6	MANUAL	CLOSED BACK, OPEN FRONT	1"	4"	2"	17"	Yes	

COMMERCIAL URINAL SCHEDULE (224213.16)

FIXTURE				FLUSHOMETER			FIXTURE CONNECTION					
MARK	MANUFACTURER	MODEL	DESCRIPTION	MANUFACTURER	MODEL	OPERATION	CW	W	V	MOUNTING (FLOOR TO RIM)	ADA COMPLIANT	NOTES
UR-1	AMERICAN STANDARD	#6590.001	WALL-HUNG, BACK OUTLET, WASHOUT, ACCESSIBLE	SLOAN	REGAL #186-1.0	MANUAL	3/4"	2"	1 1/2"	24"	No	
UR-2	AMERICAN STANDARD	#6590.001	WALL-HUNG, BACK OUTLET, WASHOUT, ACCESSIBLE	SLOAN	REGAL #186-1.0	MANUAL	3/4"	2"	1 1/2"	17"	Yes	

COMMERCIAL LAVATORY SCHEDULE (224216.13)

FIXTURE				FAUCET			FIXTURE CONNECTION				MOUNTING (FLOOR TO RIM)	ADA COMPLIANT	NOTES
MARK	MANUFACTURER	MODEL	DESCRIPTION	MANUFACTURER	MODEL	OPERATION	CW	HW	W	V			
L-1	AMERICAN STANDARD	LUCERNE #0355.012	VITREOUS CHINA, WALL MOUNTED, WITH BACK	CHICAGO FAUCET	#802-VE66ABCP	MANUAL	1/2"	1/2"	1 1/2"	1 1/2"	34"	Yes	

COMMERCIAL SINK SCHEDULE (224216.16)

FIXTURE				FAUCET		FIXTURE CONNECTION				MOUNTING	ADA COMPLIANT	NOTES
MARK	MANUFACTURER	MODEL	DESCRIPTION	MANUFACTURER	MODEL	CW	HW	W	V			
MB-1	ZURN	#Z1996-24	MOLDED STONE, FLOOR MOUNTED (RECESSED) MOP BASIN	CHICAGO FAUCET	#897-ABRCF	3/4"	3/4"	3"	1 1/2"	FLOOR MOUNTED		
SK-1	ELKAY	#LRAD332265	STAINLESS STEEL, TWO BOWLS, COUNTER MOUNTED SINK	<varies>	<varies>	1/2"	1/2"	1 1/2"	1 1/2"	34"	Yes	
SK-2	ELKAY	#LR2219	STAINLESS STEEL, ONE BOWL, COUNTER MOUNTED SINK	CHICAGO FAUCET	#786-3033GAB	1/2"	1/2"	1 1/2"	1 1/2"	31"	No	
SK-3	ELKAY	#PSR1242	STAINLESS STEEL, ONE COMPARTMENT, FLOOR MOUNTED SINK	CHICAGO FAUCET	#305-VBCP	1/2"	1/2"	2"	1 1/2"	FLOOR MOUNTED	No	
SK-4	FIAT	FL1	FLOOR MOUNTED LAUNDRY TUB	FIAT	#A1	1/2"	1/2"	1 1/2"	1 1/2"	FLOOR MOUNTED	No	

2

DOMESTIC WATER PIPING SPECIALTIES SCHEDULE (221119)

IDENTITY DATA				FIXTURE CONNECTION				MOUNTING (FLOOR TO OUTLET)	NOTES
MARK	MANUFACTURER	MODEL	DESCRIPTION	CW	HW	W	V		
HB-1	ZURN	#Z1330-XL	HOSE BIB WITH RECESSED BOX	3/4"				18" A.F.F.	
IMB-1	GUY GRAY	#SSIB20AB	ICEMAKER OUTLET BOX	1/2"				24" A.F.F.	
NFWH-1	ZURN	#Z1320-C	NONFREEZE WALL HYDRANT WITH RECESSED BOX	3/4"	0"			18" A.F.F.	
RH-1	J.R. SMITH	#5903	NON-FREEZE ROOF HYDRANT	3/4"				NA	
WMB-1	ACORN	#8185	CLOTHES WASHER OUTLET BOX	3/4"	3/4"	2"	1 1/2"	42" A.F.F.	

SHOWER SCHEDULE (224223)

IDENTITY DATA				FIXTURE CONNECTION					ADA COMPLIANT	NOTES
MARK	MANUFACTURER	MODEL	DESCRIPTION	CW	HW	W	V	MOUNTING		
SH-1	BRADLEY	#WS-1WCA-EF-ES-ST-RSD-VS	SURFACE MOUNTED SHOWER VALVE AND HEAD	1/2"	1/2"			80" TO FIXED SHOWER HEAD		
SH-2	BRADLEY	#WS-1X-HN-EF-ST-S20-RSD-SL-VS	SURFACE MOUNTED SHOWER VALVE AND HEAD WITH HAND HELP SHOWER AND TRIM	1/2"	1/2"			38" MIN. - 48" MAX. TO THE CONTROLS. 80" TO FIXED SHOWER HEAD	YES	

STORM DRAINAGE PIPING SPECIALTIES SCHEDULE (221423)

IDENTITY DATA				W CONNECTION	NOTES
MARK	MANUFACTURER	MODEL	DESCRIPTION		
OFD-1	ZURN	#ZC100-C-EA-R-89	DUCO CAST IRON BODY, FLASHING CLAMP WITH CAST IRON DOME, CAST IRON WATER DAM	3"	
OFD-2	ZURN	#ZC100-C-EA-R-89	DUCO CAST IRON BODY, FLASHING CLAMP WITH CAST IRON DOME, CAST IRON WATER DAM	4"	
RD-1	ZURN	#ZC100-C-EA-R	DUCO CAST IRON BODY WITH FLASHING CLAMP AND CAST IRON DOME	3"	
RD-2	ZURN	#ZC100-C-EA-R	DUCO CAST IRON BODY WITH FLASHING CLAMP AND CAST IRON DOME	4"	

SANITARY WASTE PIPING SPECIALTIES SCHEDULE (221319)

IDENTITY DATA				W CONNECTION	NOTES
MARK	MANUFACTURER	MODEL	DESCRIPTION		
FD-1	ZURN	#Z415B-ZB	DUCO CAST IRON BODY WITH FLASHING COLLAR, ADJUSTABLE ROUND STRAINER HEAD, POLISHED BRONZE STRAINER	2"	TRAPGUARD BY PROSET, NO SUBSTITUTIONS
FD-2	ZURN	#ZB415-NH WITH #Z1400I-5I STRAINER	DUCO CAST IRON BODY WITH FLASHING COLLAR, ADJUSTABLE ROUND STRAINER HEAD, POLISHED BRONZE STRAINER. FLUSH WITH FLOOR FUNNEL WITH ANTI-SPLASH RIM AND GRATE	2"	TRAPGUARD BY PROSET, NO SUBSTITUTIONS
FD-3	ZURN	#Z662-DG	DUCO CAST IRON BODY WITH FLASHING COLLAR AND CAST IRON GRATE, SQUARE GRATE AND SEDIMENT BUCKET	4"	
FS-1	J.R. SMITH	#3002-12-SBP-C	STAINLESS STEEL, 1/2" STAINLESS STEEL GRATE AND SEDIMENT BUCKET	4"	
SD-1	J.R. SMITH	#2005-A05-PB	DUCO CAST IRON BODY WITH FLASHING COLLAR, ADJUSTABLE ROUND STRAINER HEAD, POLISHED BRONZE STRAINER	2"	
TD-1	ZURN	#ZS880-36	36" STAINLESS STEEL LINEAR SHOWER DRAIN, TYPE 304 S/S, COMPLETE WITH VERTICAL ADJUSTABLE ANCHORING SUPPORT LEGS, NO HUB CENTER OUTLET AND STANDARD SLOTTED GRATE	2"	

WATER HAMMER ARRESTER (221119)

MARK	IPS	F.U. RATING	J.R. SMITH NO.	WADE NO.	ZURN NO.	REMARKS
A	3/4"	1-11	5005	W-5	100	P.D.I. CERTIFIED
B	1"	12-32	5010	W-10	200	P.D.I. CERTIFIED
C	1"	33-60	5020	W-20	300	P.D.I. CERTIFIED
D	1"	61-113	5030	W-50	400	P.D.I. CERTIFIED
E	1"	114-154	5040	W-75	500	P.D.I. CERTIFIED

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GABRIEL S. CURBLER
REGISTERED
NO.
PE10808972
STATE OF
IND.I.ANA
PROFESSIONAL ENGINEER

REVISIONS:

#	Date	Desc.
1	08/06/2026	ADDENDUM #02

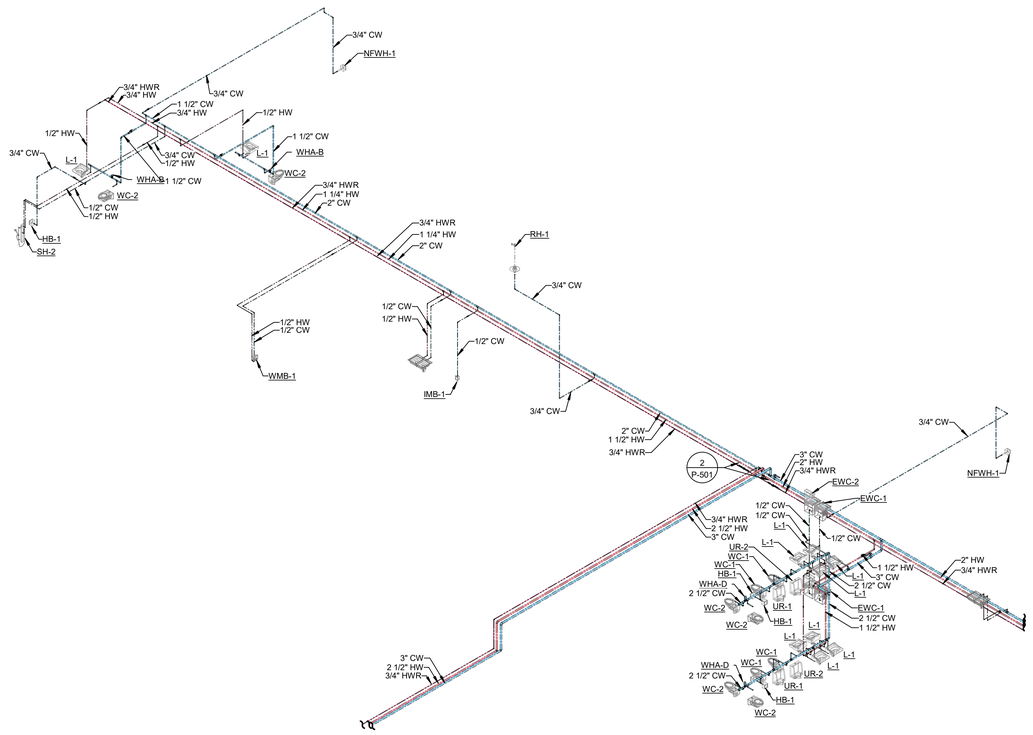
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PROJECT: #24173S
DATE: 07/10/2026
DRAWN BY: LLP

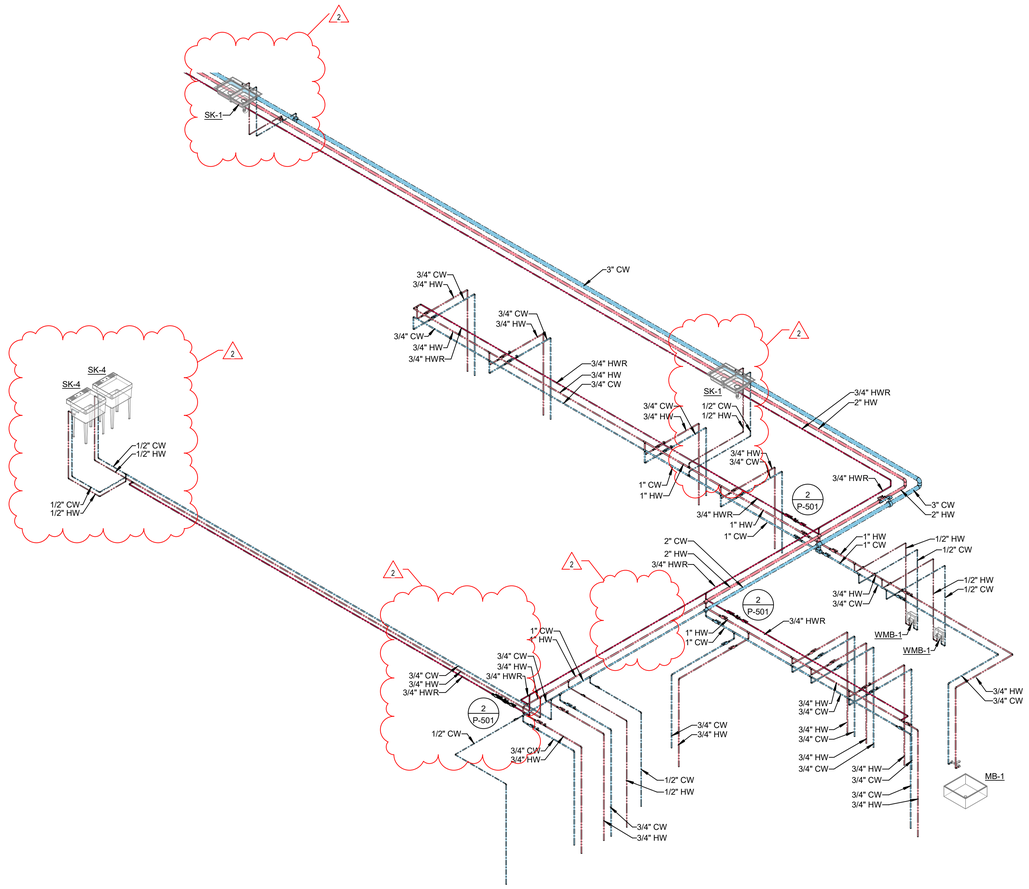
PLUMBING SCHEDULES

P-601

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NOT TO SCALE



2 PLUMBING DOMESTIC WATER ISOMETRICS - CULINARY ART LAB
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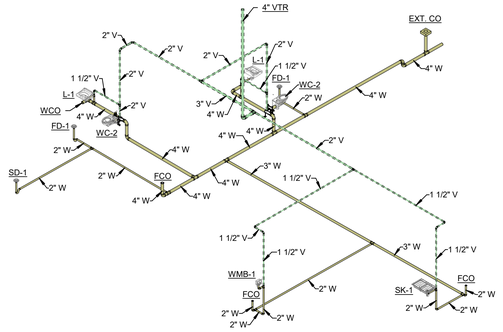
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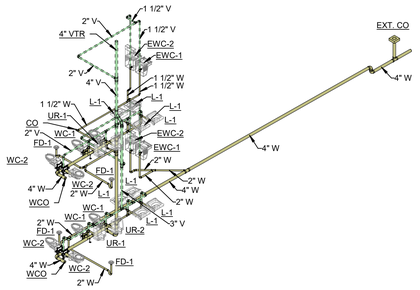
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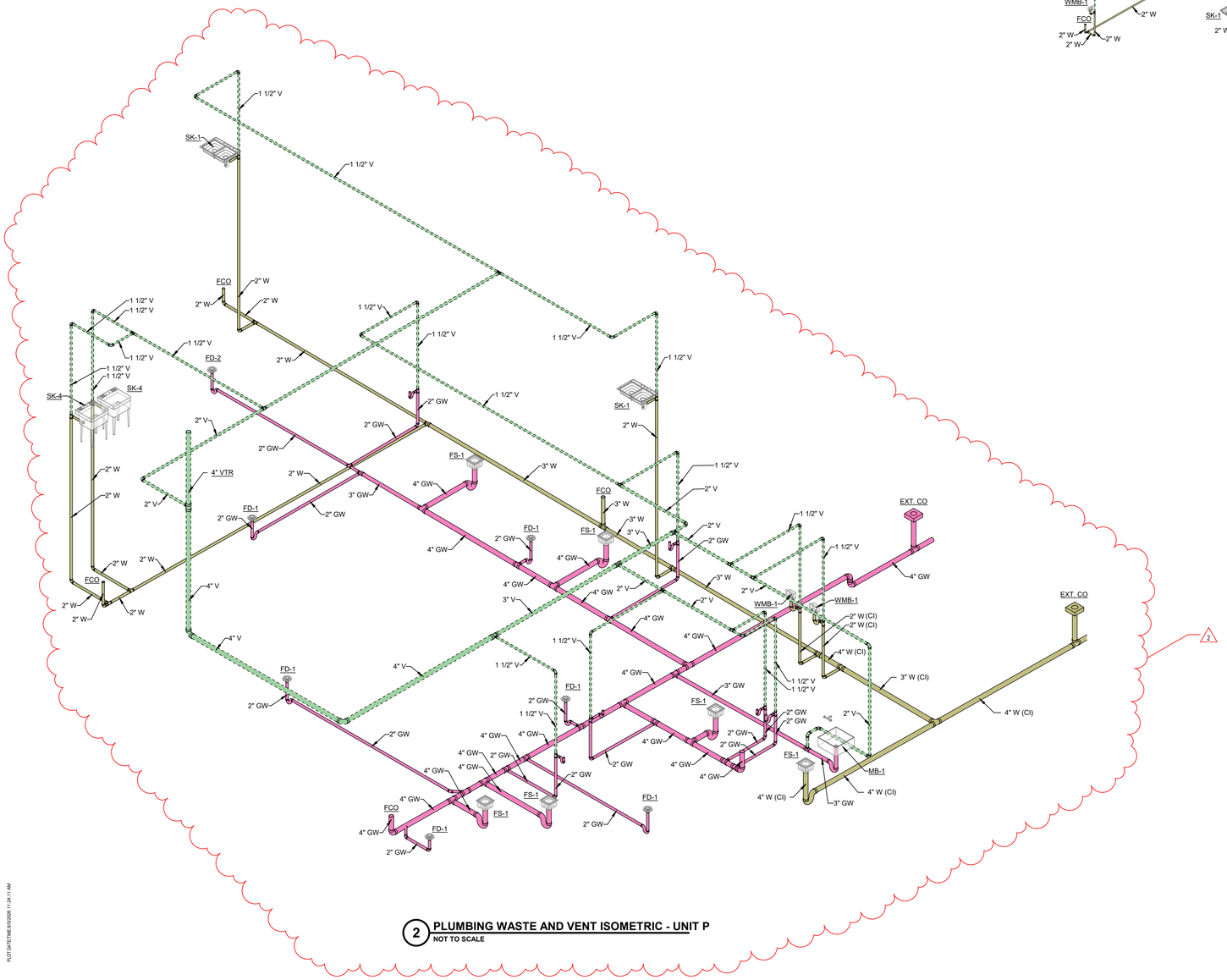
PLUMBING DOMESTIC WATER ISOMETRIC

P-901





1 **PLUMBING WASTE AND VENT ISOMETRIC - UNIT O**
NOT TO SCALE



2 **PLUMBING WASTE AND VENT ISOMETRIC - UNIT P**
NOT TO SCALE

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#	Date	Desc.
1	08/06/2026	ADDENDUM #02

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PROJECT: #24173S
DATE: 07/10/2026
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PLUMBING WASTE AND VENT ISOMETRIC

P-902

LIGHTING CONTACTORS SCHEDULE

LABEL	EQUIPMENT RATINGS					COIL CIRCUIT			CONTROL	CIRCUIT(S) CONTROLLED	REMARKS
	VOLTAGE	AMPERAGE	POLES	NEMA ENCL	ACCESSORIES	VOLTAGE	PANEL	CIRCUIT			
LC-1	600 V	30 A	2	NEMA 1	H-O-A PILOT LIGHT DDC INTEGRATION	120 V	1LN25	2	TEMPERATURE CONTROL SYSTEM	1LN25-51	
LC-2	600 V	30 A	4	NEMA 1	H-O-A PILOT LIGHT DDC INTEGRATION	120 V	2LN14	1	TEMPERATURE CONTROL SYSTEM	2HN7-17 2HN7-19,21	

ENCLOSED SWITCHES & CIRCUIT BREAKERS SCHEDULE

LABEL	EQUIPMENT SERVED	EQUIPMENT RATINGS						ACCESSORIES		REMARKS
		VOLTAGE	POLES	AMPERAGE	FUSED	FUSE SIZE	NEMA ENCL	AUX. CONTACTS	SOLID NEUTRAL	
DISC-CU-O1	CU-O1	240 V	2	30 A	Yes	30A	3R	(1) N.O. / N.C.	Yes	
DISC-CU-O2	CU-O2	240 V	2	30 A	Yes	30A	3R	(1) N.O. / N.C.	Yes	
DISC-E12	DISHWASHER - E12	600 V	3	30 A	No	N/A	4X	(1) N.O. / N.C.	Yes	
DISC-SIGN	EXTERIOR SIGN	120	1	30 A	Yes	20A	3R	(1) N.O. / N.C.	Yes	

ENCLOSED & VARIABLE-FREQUENCY MOTOR CONTROLLERS SCHEDULE

LABEL	EQUIPMENT SERVED	EQUIPMENT RATINGS					STARTER		DISCONNECT SWITCH		REMOTE CAPACITOR	REMARKS
		VOLTAGE	PHASE	HP	FLA	NEMA ENCL	TYPE	NEMA SIZE	TYPE	FUSE SIZE		
MS-AHU-K2-SF1	AHU-K2	480 V	3	1-1/2	3.0 A	1	FVNR	1	FUSIBLE	5.6	-	
MS-AHU-K2-SF2	AHU-K2	480 V	3	1-1/2	3.0 A	1	FVNR	1	FUSIBLE	5.6	-	
MS-AHU-L2	AHU-L2	480 V	3	1-1/2	3.0 A	1	FVNR	1	FUSIBLE	5.6	-	
MS-AHU-L3	AHU-L3	480 V	3	1	2.1 A	1	FVNR	1	FUSIBLE	4	-	
MS-EF-K1	EF-K1	120 V	1	3/4	13.8 A	-	-	-	-	-	-	HORSEPOWER RATED TOGGLE WITH MOTOR OVERLOADS. PROVIDE DRY CONTACTS FOR DIVISION 23 CONTROL.
MS-EF-L1	EF-L1	120 V	1	1/4	5.8 A	-	-	-	-	-	-	HORSEPOWER RATED TOGGLE WITH MOTOR OVERLOADS. PROVIDE DRY CONTACTS FOR DIVISION 23 CONTROL.
MS-EF-L2	EF-L2	120 V	1	1/2	9.8 A	-	-	-	-	-	-	HORSEPOWER RATED TOGGLE WITH MOTOR OVERLOADS. PROVIDE DRY CONTACTS FOR DIVISION 23 CONTROL.
MS-EF-L3	EF-L3	120 V	1	1/2	9.8 A	-	-	-	-	-	-	HORSEPOWER RATED TOGGLE WITH MOTOR OVERLOADS. PROVIDE DRY CONTACTS FOR DIVISION 23 CONTROL.
MS-EF-O1	EF-O1	120 V	1	1/6	4.4 A	-	-	-	-	-	-	HORSEPOWER RATED TOGGLE WITH MOTOR OVERLOADS. PROVIDE DRY CONTACTS FOR DIVISION 23 CONTROL.
MS-EF-O2	EF-O2	120 V	1	1/2	9.8 A	-	-	-	-	-	-	HORSEPOWER RATED TOGGLE WITH MOTOR OVERLOADS. PROVIDE DRY CONTACTS FOR DIVISION 23 CONTROL.
MS-P-K1	P-K1	120 V	1	3/4	13.8 A	-	-	-	-	-	-	HORSEPOWER RATED TOGGLE WITH MOTOR OVERLOADS. PROVIDE DRY CONTACTS FOR DIVISION 23 CONTROL.
MS-P-L1	P-L1	120 V	1	1/2	9.8 A	-	-	-	-	-	-	HORSEPOWER RATED TOGGLE WITH MOTOR OVERLOADS. PROVIDE DRY CONTACTS FOR DIVISION 23 CONTROL.
VFD-AHU-E1-RF	AHU-E1	480 V	3	15	21.0 A	-	VFD	-	-	-	-	PROVIDED BY DIVISION 23, CONNECTED BY DIVISION 26.
VFD-AHU-E1-SF1	AHU-E1	480 V	3	20	27.0 A	-	VFD	-	-	-	-	PROVIDED BY DIVISION 23, CONNECTED BY DIVISION 26.
VFD-AHU-E1-SF2	AHU-E1	480 V	3	20	27.0 A	-	VFD	-	-	-	-	PROVIDED BY DIVISION 23, CONNECTED BY DIVISION 26.
VFD-AHU-F2	AHU-F2	480 V	3	40	52.0 A	-	VFD	-	-	-	-	PROVIDED BY DIVISION 23, CONNECTED BY DIVISION 26.
VFD-AHU-G1-1	AHU-G1	480 V	3	25	34.0 A	-	VFD	-	-	-	-	PROVIDED BY DIVISION 23, CONNECTED BY DIVISION 26.
VFD-AHU-G1-2	AHU-G1	480 V	3	25	34.0 A	-	VFD	-	-	-	-	PROVIDED BY DIVISION 23, CONNECTED BY DIVISION 26.
VFD-AHU-G1-3	AHU-G1	480 V	3	25	34.0 A	-	VFD	-	-	-	-	PROVIDED BY DIVISION 23, CONNECTED BY DIVISION 26.
VFD-AHU-G1-4	AHU-G1	480 V	3	25	34.0 A	-	VFD	-	-	-	-	PROVIDED BY DIVISION 23, CONNECTED BY DIVISION 26.
VFD-AHU-G2-1	AHU-G2	480 V	3	25	34.0 A	-	VFD	-	-	-	-	PROVIDED BY DIVISION 23, CONNECTED BY DIVISION 26.
VFD-AHU-G2-2	AHU-G2	480 V	3	25	34.0 A	-	VFD	-	-	-	-	PROVIDED BY DIVISION 23, CONNECTED BY DIVISION 26.
VFD-AHU-G2-3	AHU-G2	480 V	3	25	34.0 A	-	VFD	-	-	-	-	PROVIDED BY DIVISION 23, CONNECTED BY DIVISION 26.
VFD-AHU-G2-4	AHU-G2	480 V	3	25	34.0 A	-	VFD	-	-	-	-	PROVIDED BY DIVISION 23, CONNECTED BY DIVISION 26.
VFD-AHU-K1	AHU-K1	480 V	3	5	7.6 A	-	VFD	-	-	-	-	PROVIDED BY DIVISION 23, CONNECTED BY DIVISION 26.
VFD-AHU-L1	AHU-L1	480 V	3	3	4.8 A	-	VFD	-	-	-	-	PROVIDED BY DIVISION 23, CONNECTED BY DIVISION 26.

GENERAL LIGHT FIXTURE SCHEDULE NOTES

A REFER TO ELECTRICAL SYMBOLS AND ABBREVIATIONS SHEET E-001 FOR ADDITIONAL INFORMATION.

B PROVIDE VIBRATION DAMPERS FOR ALL ALUMINUM AND STEEL POLES 10'-0" AND ABOVE.

C PROVIDE SELF-DIAGNOSTICS AND SELF-TESTING FOR ALL LIFE SAFETY FIXTURES (EXIT FIXTURES, WALL PACKS, INVERTERS BALLASTS, ETC.)

D PROVIDE 0-10V ELECTRONIC DIMMING DRIVER DOWN TO 10% UNLESS OTHERWISE NOTED.

E PROVIDE A MINIMUM OF ONE CLIP PER SIDE UP TO 4' AND CABLE SUPPORTS FOR EACH LIGHT FIXTURE.

F REFER TO ARCHITECTURAL PLANS FOR CEILING TYPE.

G SUBMIT LIGHTING PER APPROPRIATE SPECIFICATION SECTION.

INTERIOR/EXTERIOR/EMERGENCY & EXIT LIGHT FIXTURES SCHEDULE

LABEL	DESCRIPTION	VOLTAGE	SOURCE				MOUNTING	LENS/REFLECTOR	CERTIFICATIONS	ACCEPTABLE MANUFACTURERS	LABEL
			TYPE	LUMENS	WATTS	CCT					
A	2X4 LED FLAT PANEL. 0-10V DIMMING.	120/277 V	LED	5,000 LM	40 W	4000 K, 80 CRI	RECESSED IN GRID	WHITE FROST ACRYLIC	DLC	METALUX CGTS COLUMBIA CFP24 LITHONIA CPX DAY-BRITE FLUXPANEL 2FPZ	A
A-E	2X4 LED FLAT PANEL. 0-10V DIMMING. PROVIDE WITH EMERGENCY BATTERY INVERTER.	120/277 V	LED	5,000 LM	40 W	4000 K, 80 CRI	RECESSED IN GRID	WHITE FROST ACRYLIC	DLC	METALUX CGTS COLUMBIA CFP24 LITHONIA CPX DAY-BRITE FLUXPANEL 2FPZ	A-E
B	2X2 LED FLAT PANEL. 0-10V DIMMING.	120/277 V	LED	2,500 LM	20 W	4000 K, 80 CRI	RECESSED IN GRID	WHITE FROST ACRYLIC	DLC	METALUX CGTS COLUMBIA CFP22 LITHONIA CPX DAY-BRITE FLUXPANEL 2FPZ	B
B-E	2X2 LED FLAT PANEL. 0-10V DIMMING. PROVIDE WITH EMERGENCY BATTERY INVERTER.	120/277 V	LED	2,500 LM	20 W	4000 K, 80 CRI	RECESSED IN GRID	WHITE FROST ACRYLIC	DLC	METALUX CGTS COLUMBIA CFP22 LITHONIA CPX DAY-BRITE FLUXPANEL 2FPZ	B-E
C	4' VANDAL RESISTANT LED STAIRWELL FIXTURE. INTEGRAL OCCUPANCY SENSOR. INTEGRAL BATTERY INVERTER.	120/277 V	LED	4,000 LM	36 W	4000 K, 80 CRI	SURFACE/WALL	OPAL POLYCARBONATE	DLC	COLUMBIA ESL LITHONIA BLWP METALUX SNX DAY-BRITE FLUXSTREAM FSS	C
D	6" SQUARE LED DOWNLIGHT. SELF-FLANGED TRIM. U.L. LISTED WET LOCATION. 0-10V DIMMING.	120/277 V	LED	2,000 LM	22 W	4000 K, 80 CRI	RECESSED	DIFFUSE IMPACT RESISTANT POLYCARBONATE LENS	N/A	HALO HCSQ6 PRESCOLITE LTR-6SQD LITHONIA LDN6 SQUARE LIGHTOLIER P6S	D
D-E	6" SQUARE LED DOWNLIGHT. SELF-FLANGED TRIM. U.L. LISTED WET LOCATION. 0-10V DIMMING. PROVIDE WITH EMERGENCY BATTERY INVERTER.	120/277 V	LED	2,000 LM	22 W	4000 K, 80 CRI	RECESSED	DIFFUSE IMPACT RESISTANT POLYCARBONATE LENS	N/A	HALO HCSQ6 PRESCOLITE LTR-6SQD LITHONIA LDN6 SQUARE LIGHTOLIER P6S	D-E
E	4' LENSED LED STRIP LIGHT. 0-10V DIMMING, WHITE FINISH.	120/277 V	LED	5,400 LM	45 W	4000 K, 80 CRI	CHAIN MOUNTED TO STRUCTURE	SEMI-FROSTED LENS	N/A	METALUX SNX COLUMBIA MPS LITHONIA ZL1D DAY-BRITE FLUXSTREAM FSS	E
E-X	4' LENSED LED STRIP LIGHT. 0-10V DIMMING, WHITE FINISH. INTEGRAL BATTERY INVERTER.	120/277 V	LED	5,400 LM	45 W	4000 K, 80 CRI	CHAIN MOUNTED TO STRUCTURE	SEMI-FROSTED LENS	N/A	METALUX SNX COLUMBIA MPS LITHONIA ZL1D DAY-BRITE FLUXSTREAM FSS	E-X
EM1	LED EMERGENCY WALL LIGHT. DIE-CAST ALUMINUM HOUSING. NORMALLY OFF WITH INTEGRAL BATTERY. PROVIDE BATTERY HEATER FOR -22 DEGREE F OPERATION. DARK BRONZE FINISH. U.L. LISTED FOR WET LOCATIONS.	120/277 V	LED	635 LM	11 W	4000 K, 80 CRI	WALL MOUNTED	WIDE THROW	DLC	LITHONIA AFF DUALLITE PG EVENLITE WEATHERLITE EXITRONIX NFT	EM1
F	LED WALL LIGHT. DIE-CAST ALUMINUM HOUSING. HINGED DOOR FRAME. DARK BRONZE FINISH. U.L. LISTED FOR WET LOCATIONS.	120/277 V	LED	5,300 LM	59 W	4000 K, 80 CRI	WALL MOUNTED	TYPE III DISTRIBUTION	N/A	RAB WPSLED LUMECON BLS-UTWP RAYON SWPK LITHONIA TWR2 ENVOY EWPT-LKFS STONCO WP60	F
G	4"X4' EXTRUDED ALUMINUM LED. 0-10V DIMMING.	120/277 V	LED	3,000 LM	32 W	4000 K, 80 CRI	RECESSED IN GRID	FLUSH SATIN LENS	N/A	STARTEK RBEAM FINELITE HP-4D MARK ARCHITECTURAL SLOT 4 ALW LIGHTPLANE 4	G
H	4"X6' EXTRUDED ALUMINUM LED. 0-10V DIMMING.	120/277 V	LED	4,500 LM	46 W	4000 K, 80 CRI	RECESSED IN GRID	FLUSH SATIN LENS	N/A 2	STARTEK RBEAM FINELITE HP-4D MARK ARCHITECTURAL SLOT 4 ALW LIGHTPLANE 4	H
I	4"X8' EXTRUDED ALUMINUM LED. 0-10V DIMMING.	120/277 V	LED	6,000 LM	62 W	4000 K, 80 CRI	RECESSED IN GRID	FLUSH SATIN LENS	N/A	STARTEK RBEAM FINELITE HP-4D MARK ARCHITECTURAL SLOT 4 ALW LIGHTPLANE 4	I
I-E	4"X8' EXTRUDED ALUMINUM LED. 0-10V DIMMING. PROVIDE WITH EMERGENCY BATTERY INVERTER.	120/277 V	LED	6,000 LM	62 W	4000 K, 80 CRI	RECESSED IN GRID	FLUSH SATIN LENS	N/A	STARTEK RBEAM FINELITE HP-4D MARK ARCHITECTURAL SLOT 4 ALW LIGHTPLANE 4	I-E
J	6" SQUARE LED DOWNLIGHT. SELF-FLANGED TRIM. 0-10V DIMMING.	120/277 V	LED	3,000 LM	30 W	4000 K, 80 CRI	RECESSED	DIFFUSE IMPACT RESISTANT POLYCARBONATE LENS	N/A	HALO HCSQ6 PRESCOLITE LTR-6SQD LITHONIA LDN6 SQUARE LIGHTOLIER P6S	J
J-E	6" SQUARE LED DOWNLIGHT. SELF-FLANGED TRIM. 0-10V DIMMING. PROVIDE WITH EMERGENCY BATTERY INVERTER.	120/277 V	LED	3,000 LM	30 W	4000 K, 80 CRI	RECESSED	DIFFUSE IMPACT RESISTANT POLYCARBONATE LENS	N/A	HALO HCSQ6 PRESCOLITE LTR-6SQD LITHONIA LDN6 SQUARE LIGHTOLIER P6S	J-E
K	6" SQUARE LED DOWNLIGHT. SELF-FLANGED TRIM. U.L. LISTED WET LOCATION. 0-10V DIMMING.	120/277 V	LED	1,000 LM	11 W	4000 K, 80 CRI	RECESSED	DIFFUSE IMPACT RESISTANT POLYCARBONATE LENS	N/A	HALO HCSQ6 PRESCOLITE LTR-6SQD LITHONIA LDN6 SQUARE LIGHTOLIER P6S	K
SL1	LED SITE FIXTURE. SINGLE-PIECE ALUMINUM HOUSING. ARM MOUNT. U.L. LISTED WET LOCATION. 480V SINGLE PHASE. WHITE FINISH. SQUARE, STRAIGHT, ALUMINUM, POLE DESIGNED TO SUPPORT FIXTURE(S) IN 100 MPH WINDS WITH 1.3 GUST FACTOR. PRIMARY FUSES. FLAT LENS. SURGE PROTECTION. (1) HEAD.	480 V	LED	20,300 LM	167 W	4000 K, 80 CRI	20' POLE, BASE BY DIVISION 26 CONTRACTOR	TYPE II DISTRIBUTION	N/A	McGRAW-EDISON GLEON LED BEACON VPS LITHONIA DSX1 LED GARDCO OPF-M	SL1
SL2	LED SITE FIXTURE. SINGLE-PIECE ALUMINUM HOUSING. ARM MOUNT. U.L. LISTED WET LOCATION. 480V SINGLE PHASE. WHITE FINISH. SQUARE, STRAIGHT, ALUMINUM, POLE DESIGNED TO SUPPORT FIXTURE(S) IN 100 MPH WINDS WITH 1.3 GUST FACTOR. PRIMARY FUSES. FLAT LENS. SURGE PROTECTION. (1) HEAD.	480 V	LED	20,500 LM	167 W	4000 K, 80 CRI	20' POLE, BASE BY DIVISION 26 CONTRACTOR	TYPE III DISTRIBUTION	N/A	McGRAW-EDISON GLEON LED BEACON VPS LITHONIA DSX1 LED GARDCO OPF-M	SL2
SL3	LED SITE FIXTURE. SINGLE-PIECE ALUMINUM HOUSING. POST TOP MOUNT. U.L. LISTED WET LOCATION. 480V SINGLE PHASE. WHITE FINISH. SQUARE, STRAIGHT, ALUMINUM, POLE DESIGNED TO SUPPORT FIXTURE(S) IN 100 MPH WINDS WITH 1.3 GUST FACTOR. PRIMARY FUSES. FLAT LENS. SURGE PROTECTION. (1) HEAD.	480 V	LED	12,600 LM	123 W	4000 K, 80 CRI	15' POLE, BASE BY DIVISION 26 CONTRACTOR	TYPE III DISTRIBUTION	N/A 2	INVUE ARBOR POST TOP KIM CRJPO LUMINAIRE LUSSO LARGE UTOPIA LPT1-2G	SL3
SLFP	FLAG POLE LED LIGHT, WET-LOCATION RATED. LENSED, DIE-CAST ALUMINUM HOUSING. ROTATIONAL YOKE. TENON ADAPTER. 6 INCH TALL TENON POLE BRACKET.	120/277 V	LED	2,700 LM	28 W	4000 K, 80 CRI	VERTICAL SURFACE	NARROW SPOT 10 DEGREE THROW	N/A	LUMIBEAM MEDIUM LBM MODEL 1057 COMMERCIAL GARDCO CSFS INSIGHT LIGHTING PROSPOT 9 KIM KFL1	SLFP
X1	LED EXIT LIGHT, MATTE BLACK DIE-CAST ALUMINUM HOUSING, BRUSHED ALUM. SINGLE FACE. STENCIL FACE, RED LETTERS. SELF-POWERED. NICKEL-CADMIUM BATTERY. SELF-DIAGNOSTIC/SELF-TESTING MODULE.	120/277 V	LED	N/A	5 W	N/A	UNIVERSAL	N/A	N/A	SURE-LITES CX DUAL-LITE SE LITHONIA LE EXITRONIX 400EX	X1
X2	LED EXIT LIGHT, MATTE BLACK DIE-CAST ALUMINUM HOUSING, BRUSHED ALUM. SINGLE FACE. STENCIL FACE, RED LETTERS. SELF-POWERED. NICKEL-CADMIUM BATTERY. SELF-DIAGNOSTIC/SELF-TESTING MODULE.	120/277 V	LED	N/A	5 W	N/A	UNIVERSAL	N/A	N/A	SURE-LITES CX DUAL-LITE SE LITHONIA LE EXITRONIX 400EX	X2

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DAVID L. JONES III
REGISTERED
NO.
PE12100175
STATE OF
INDIANA
PROFESSIONAL ENGINEER

REVISIONS:

#	Date	Desc.
1	07/31/2026	ADDENDUM #01
2	08/08/2026	ADDENDUM #02

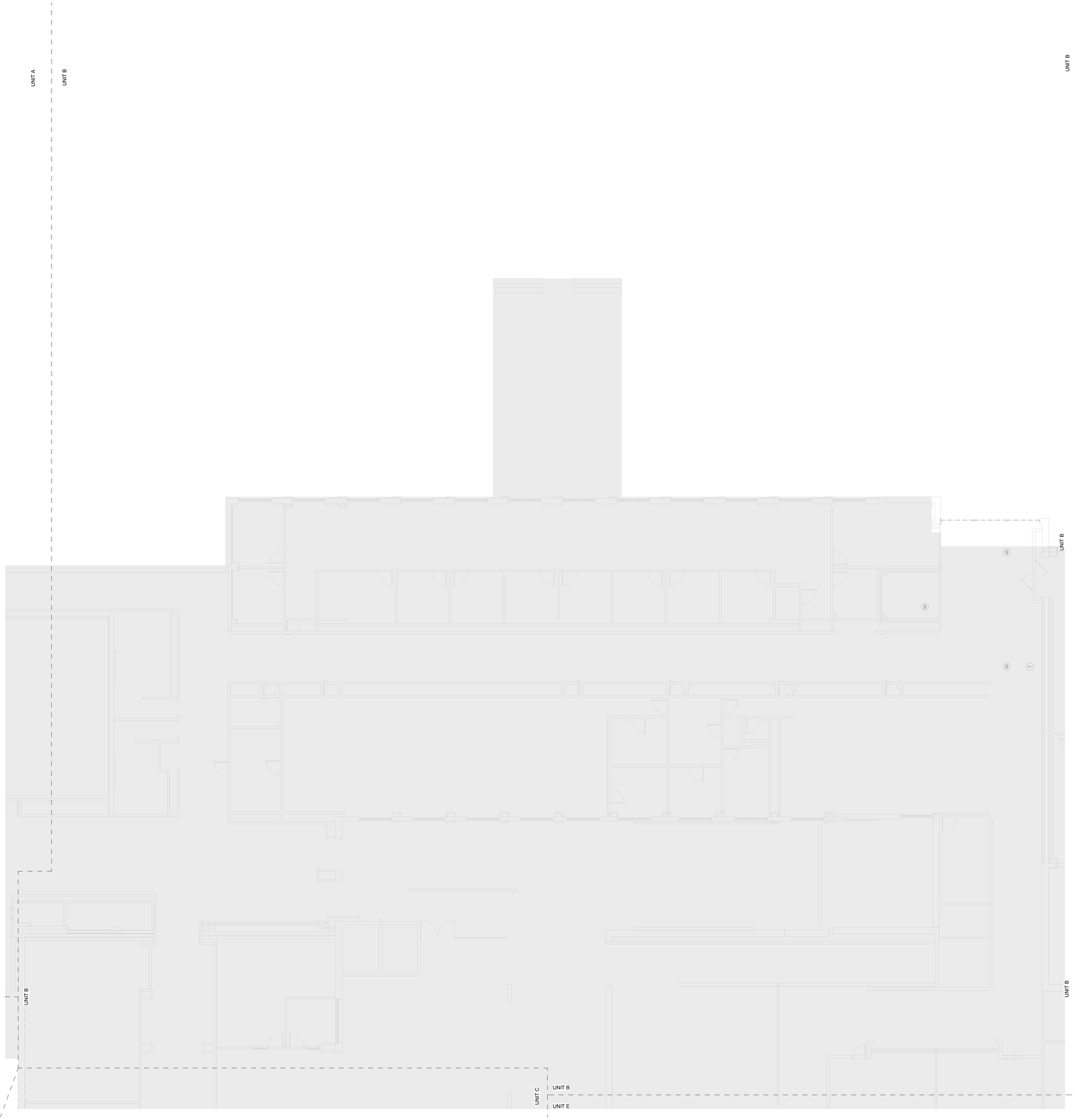
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PROJECT: #24173S
DATE: 07/10/2026
DRAWN BY: AMN

ELECTRICAL EQUIPMENT SCHEDULES

E-601

PLOT DATE/TIME:8/8/2026 8:42:13 AM



1 SECOND FLOOR DEMOLITION - UNIT B
1/8" = 1'-0"

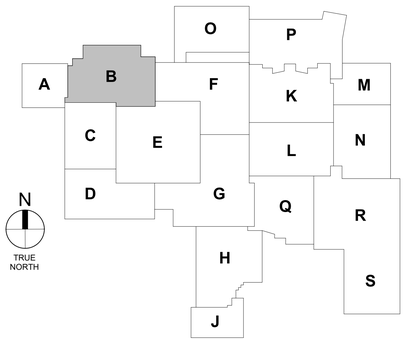
GENERAL DEMOLITION NOTES

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B	DEMOLITION SHALL REQUIRE CABLING BE REMOVED IN ITS ENTIRETY FROM THE WORK AREA OUTLET BACK TO THE POINT OF TERMINATION IN THE ASSOCIATED TELECOM ROOM. PROVIDE AND INSTALL BLANK FACEPLATES FOR ALL FLUSH MOUNT LOCATIONS THAT ARE WITHIN WALLS TO REMAIN THROUGHOUT CONSTRUCTION. FURNISH WEATHER SEALED COVER PLATES AND GASKETS FOR ALL EXTERIOR LOCATIONS.
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Jared Klingler
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EXPIRES 12-31-27
RCDD

REVISIONS:

#	Date	Desc.
1	08/06/2026	ADDENDUM 2

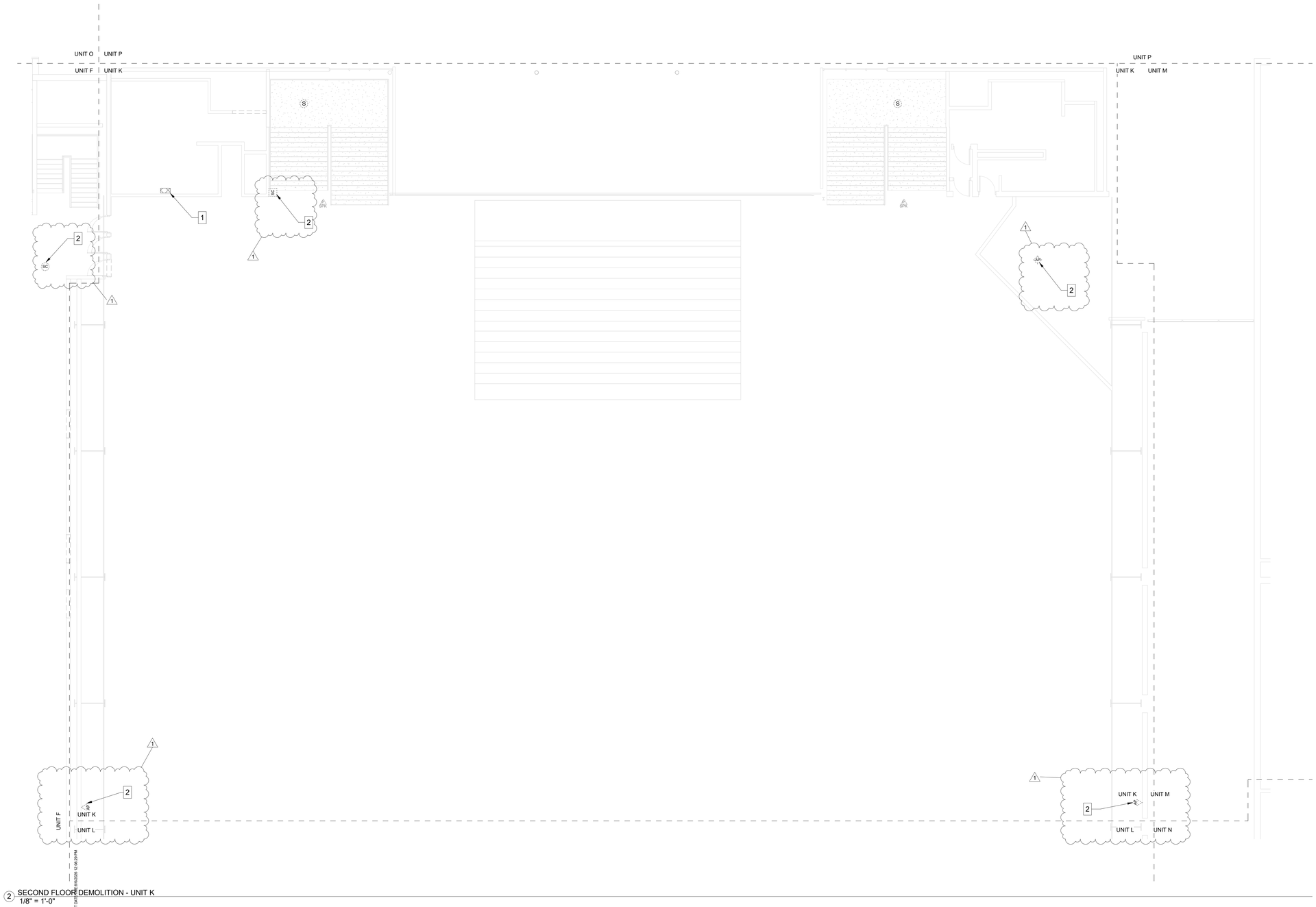
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PROJECT: #24173S
DATE: 07/10/2026
DRAWN BY: HMB/JKK

SECOND FLOOR DEMOLITION PLAN - UNIT B

TD102B

PLOT DATE/TIME: 8/6/2026 12:36:28 PM



2 SECOND FLOOR DEMOLITION - UNIT K
1/8" = 1'-0"

PLOT DATE: 8/6/2026 12:36:29 PM

GENERAL DEMOLITION NOTES

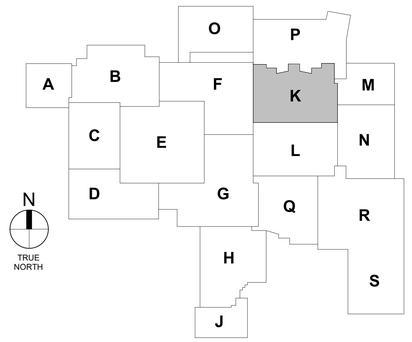
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KP	INTRUSION DETECTION KEYPAD

SHEET NOTES

1 APPROXIMATE LOCATION OF EXISTING CABLE RISER LOCATED IN PLUMBING CHASE.
2 EXISTING DEVICE TO REMAIN. DEMOLISH EXISTING CABLING. PROTECT PATHWAYS AND DEVICE FOR FUTURE RECABLING.



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REVISIONS:

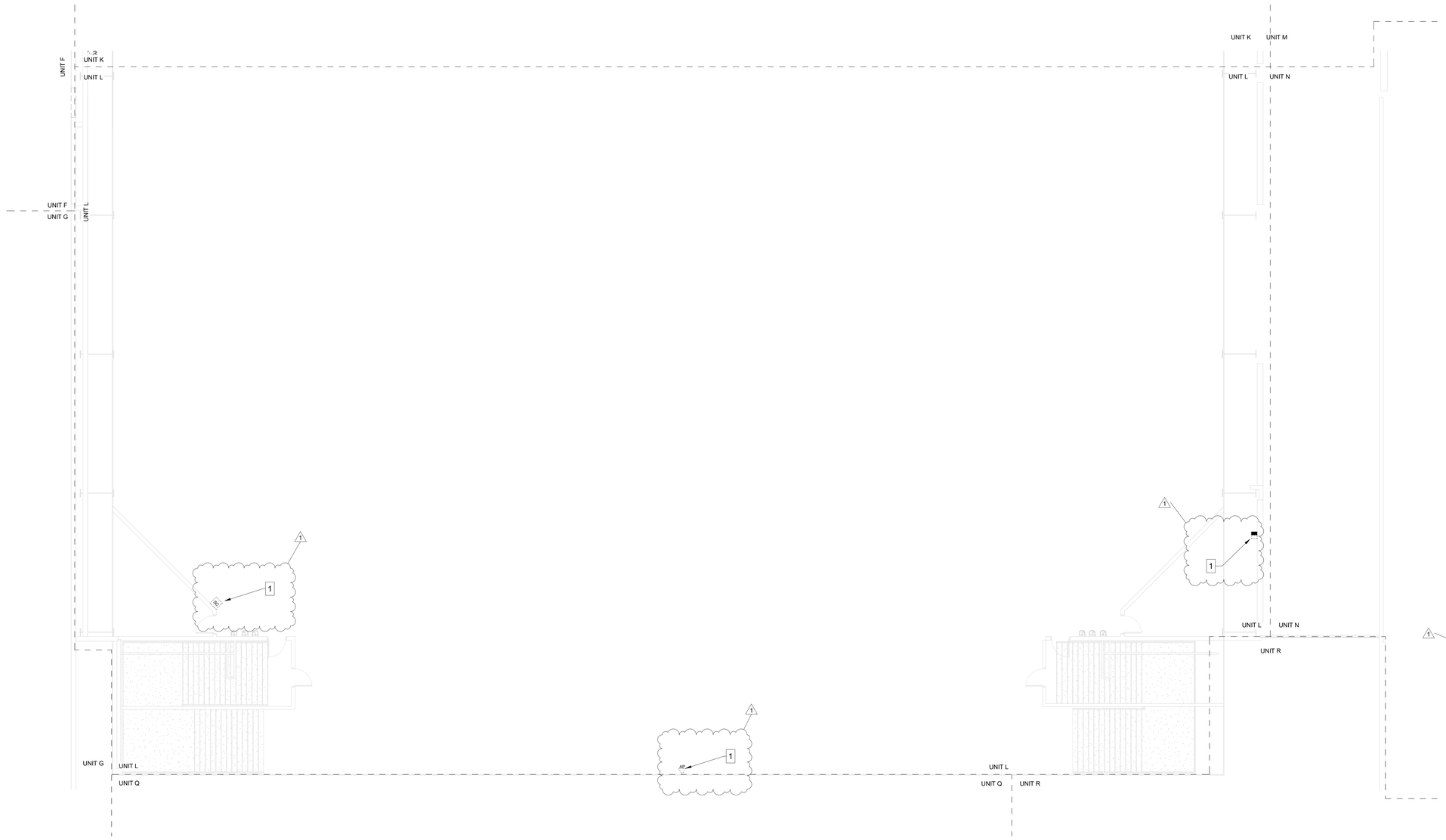
#	Date	Desc.
1	08/06/2026	ADDENDUM 2

100% CONSTRUCTION DOCUMENTS

PROJECT: #24173S
DATE: 07/10/2026
DRAWN BY: HMB/JKK

SECOND FLOOR DEMOLITION PLAN - UNIT K

TD102K



1 SECOND FLOOR DEMOLITION - UNIT L
1/8" = 1'-0"

GENERAL DEMOLITION NOTES

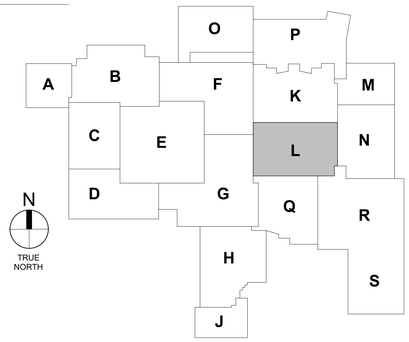
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SHEET NOTES

1 EXISTING DEVICE TO REMAIN. DEMOLISH EXISTING CABLING. PROTECT PATHWAYS AND DEVICE FOR FUTURE RECABLING.



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EXPIRES 12-31-27
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REVISIONS:

#	Date	Desc.
1	08/06/2026	ADDENDUM 2

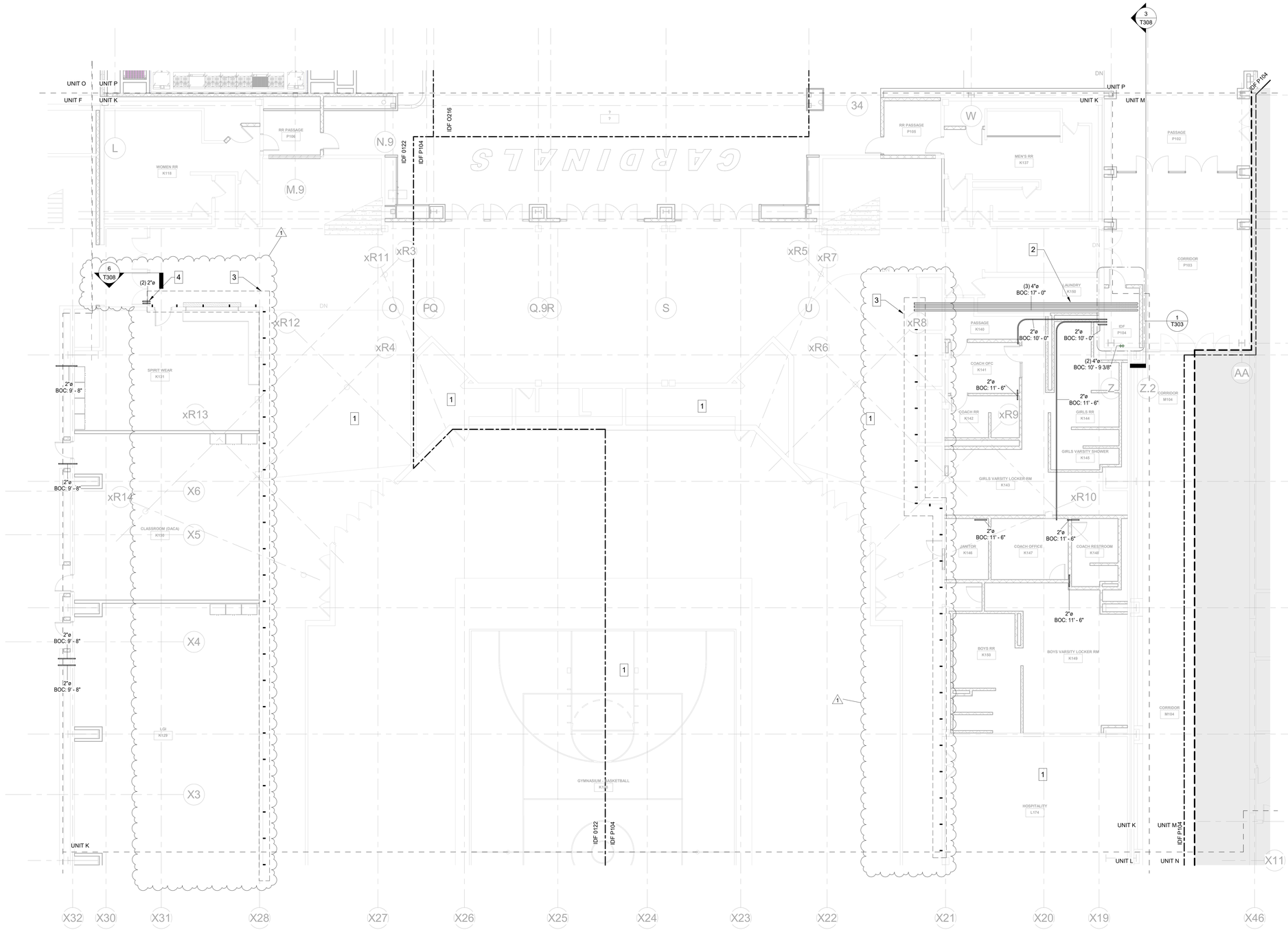
100% CONSTRUCTION DOCUMENTS

PROJECT: #24173S
DATE: 07/10/2026
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SECOND FLOOR DEMOLITION PLAN - UNIT L

TD102L

PLOT DATE/TIME: 8/6/2026 12:36:30 PM



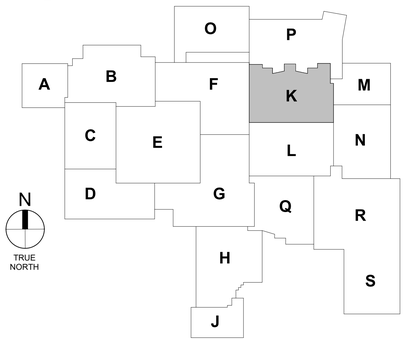
1 FIRST FLOOR DISTRIBUTION - UNIT K
1/8" = 1'-0"

GENERAL PATHWAYS NOTES - CAT 6

A	ALL CABLING SHALL BE TERMINATED IN THE ER/TR NOTED IN THE TELECOM SCHEDULES.
B	CONTRACTOR SHALL SUPPLY ALL CONDUIT, BOXES, AND CABLE TRAY AS REQUIRED TO ENSURE ALL TRANSMISSION MEDIA IS FULLY SUPPORTED FROM ALL DEVICE LOCATIONS TO THE POINT OF TERMINATION.
C	ALL TELECOM PATHWAY SYSTEMS SHALL BE INDEPENDENTLY SUPPORTED FROM AND ATTACHED TO THE BUILDING STRUCTURE.
D	ALL TELECOM PATHWAY SYSTEMS SHALL BE COMPLETELY AND PROPERLY LABELED AS REQUIRED IN REFERENCED STANDARDS.
E	CONDUIT SYSTEMS SHALL BE PROVIDED FOR ALL PATHWAYS IN INACCESIBLE CEILING SPACES AND WHERE EXPOSED TO PUBLIC VIEW. ALL CONDUIT SYSTEMS THROUGHOUT THE BUILDING SHALL INCLUDE PROPERLY SIZED SLEEVED PENETRATIONS WITH BUSHINGS THROUGH ALL BARRIERS.
F	ALL TELECOM OUTLET BOXES SHALL BE A MINIMUM 4-11/16" SQUARE BOX NO LESS THAN 2-1/8" DEEP WITH A MINIMUM 1-1/4" CONDUIT STUBBED ABOVE ACCESSIBLE CEILING UNLESS NOTED OTHERWISE WITHIN THE T-SERIES DRAWINGS.
G	CORRIDOR CABLE TRAY SHALL BE PROVIDED AS REQUIRED BY THE CONTRACT DRAWINGS. REFER TO DIVISION 27 SPECIFICATIONS FOR ADDITIONAL PRODUCT DETAILS AND REQUIREMENTS.
H	CONTRACTOR SHALL NOT EXCEED 40% FILL RATIO WITHIN ANY CONDUIT MEANT FOR TELECOMMUNICATIONS CABLING.
I	CONTRACTOR SHALL CALCULATE FILL RATIOS BASED ON ACTUAL CATEGORY 6 CABLING USED. TYPICAL FILL RATIOS FOR CATEGORY 6 CABLE ARE SHOWN HERE FOR REFERENCE PURPOSES ONLY: 1" EMT = 6 CABLES; 1-1/4" EMT = 15 CABLES; 2" EMT = 35 CABLES; 3" EMT = 90 CABLES; 4" EMT = 150 CABLES
J	CONDUIT RUNS SHALL NOT EXCEED 100 FEET WITHOUT A PULLING POINT AND SHALL NOT INCLUDE MORE THAN TWO 90° BENDS BETWEEN PULLING POINTS. IF THE PATH OF THE CONDUIT RUN REQUIRES BENDS EXCEEDING A TOTAL OF 180°, INSTALLATION OF AN APPROPRIATELY SIZED JUNCTION BOX IS REQUIRED.
K	CONTRACTOR SHALL PROVIDE PROPERLY RATED FIRE STOP SYSTEMS FOR ALL CONDUIT AND/OR CABLE TRAY ENTERING THE TELECOMMUNICATIONS ROOMS. EACH CONTRACTOR IS RESPONSIBLE FOR SEALING PENETRATIONS AFTER EACH SCOPE OF WORK IS COMPLETED.
L	CONTRACTOR SHALL PROVIDE FIRE STOPS TO SEAL ALL PENETRATIONS THROUGH FLOORS, WALLS, STAIRS, AND ELEVATORS AS NECESSARY TO MEET CODE REQUIREMENTS. FIRE STOPS SHALL BE PROVIDED IN ACCORDANCE WITH ALL APPLICABLE CODES AND STANDARDS.

SHEET NOTES

1. NEW CABLING FOR EXISTING RECABLED DEVICES WITHIN ROOM SHALL UTILIZE EXISTING PATHWAYS TO MAIN CORRIDORS. NEW PATHWAYS FROM MAIN CORRIDORS TO NEW IDF LOCATIONS ARE SHOWN.
2. INSTALL NEW CONDUITS AT HEIGHT AS CLOSE TO POSSIBLE AS EXISTING CABLE PATHWAY IN MAIN CORRIDOR. COORDINATE EXACT LOCATION AROUND MEP ELEMENTS.
3. PROVIDE NEW 2" J-HOOKS WALL MOUNTED OR SUSPENDED FROM DECK ABOVE WHERE PATH CROSSES CORRIDOR OPENINGS. MOUNT J-HOOKS APPROX. 12"-24" BELOW DECK. STEP PATHWAY DOWN AS DECK LOWERS ALONG CORRIDOR.
4. PROVIDE TWO (2) NEW HORIZONTAL SLEEVES THROUGH EXISTING WALL TO STUB ABOVE EXISTING FIRST FLOOR CEILING. PROPERLY SUPPORT VERTICAL TRANSITION OF CABLES ON EAST SIDE OF WALL FROM J-HOOK HEIGHT TO SLEEVE HEIGHT.



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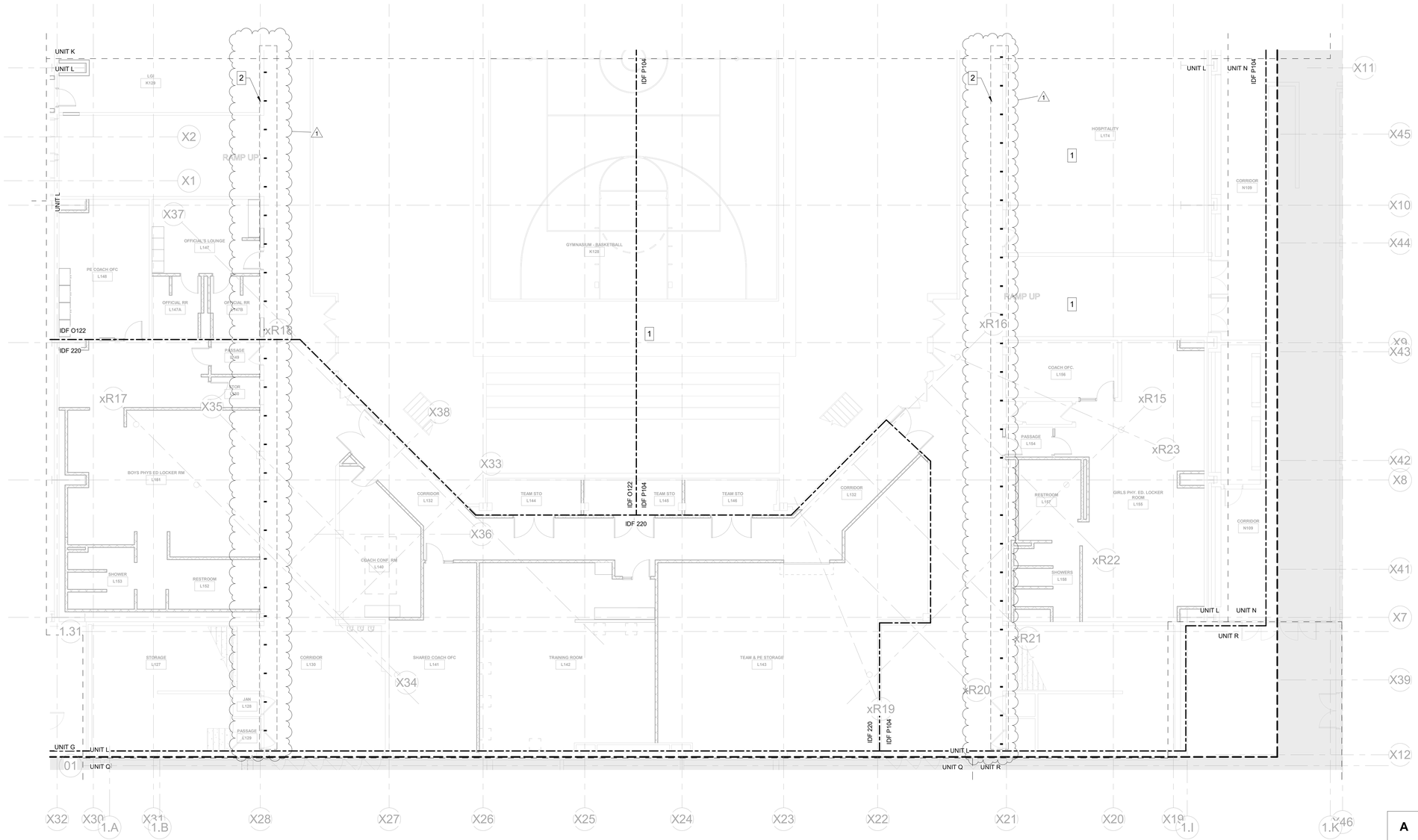
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FIRST FLOOR DISTRIBUTION PLAN - UNIT K

T101K

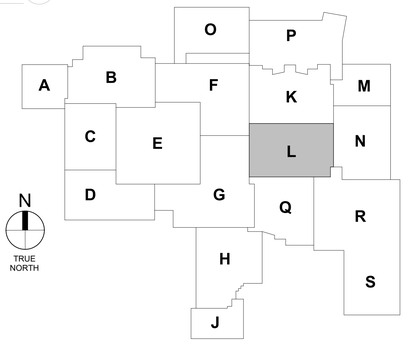
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1 FIRST FLOOR DISTRIBUTION - UNIT L
1/8" = 1'-0"

GENERAL PATHWAYS NOTES - CAT 6	
A	ALL CABLING SHALL BE TERMINATED IN THE ER/TR NOTED IN THE TELECOM SCHEDULES.
B	CONTRACTOR SHALL SUPPLY ALL CONDUIT, BOXES, AND CABLE TRAY AS REQUIRED TO ENSURE ALL TRANSMISSION MEDIA IS FULLY SUPPORTED FROM ALL DEVICE LOCATIONS TO THE POINT OF TERMINATION.
C	ALL TELECOM PATHWAY SYSTEMS SHALL BE INDEPENDENTLY SUPPORTED FROM AND ATTACHED TO THE BUILDING STRUCTURE.
D	ALL TELECOM PATHWAY SYSTEMS SHALL BE COMPLETELY AND PROPERLY LABELED AS REQUIRED IN REFERENCED STANDARDS.
E	CONDUIT SYSTEMS SHALL BE PROVIDED FOR ALL PATHWAYS IN INACCESIBLE CEILING SPACES AND WHERE EXPOSED TO PUBLIC VIEW. ALL CONDUIT SYSTEMS THROUGHOUT THE BUILDING SHALL INCLUDE PROPERLY SIZED SLEEVED PENETRATIONS WITH BUSHINGS THROUGH ALL BARRIERS.
F	ALL TELECOM OUTLET BOXES SHALL BE A MINIMUM 4-11/16" SQUARE BOX NO LESS THAN 2-1/8" DEEP WITH A MINIMUM 1-1/4" CONDUIT STUBBED ABOVE ACCESSIBLE CEILING UNLESS NOTED OTHERWISE WITHIN THE T-SERIES DRAWINGS.
G	CORRIDOR CABLE TRAY SHALL BE PROVIDED AS REQUIRED BY THE CONTRACT DRAWINGS. REFER TO DIVISION 27 SPECIFICATIONS FOR ADDITIONAL PRODUCT DETAILS AND REQUIREMENTS.
H	CONTRACTOR SHALL NOT EXCEED 40% FILL RATIO WITHIN ANY CONDUIT MEANT FOR TELECOMMUNICATIONS CABLING.
I	CONTRACTOR SHALL CALCULATE FILL RATIOS BASED ON ACTUAL CATEGORY 6 CABLING USED. TYPICAL FILL RATIOS FOR CATEGORY 6 CABLE ARE SHOWN HERE FOR REFERENCE PURPOSES ONLY: 1" EMT = 6 CABLES; 1-1/4" EMT = 15 CABLES; 2" EMT = 35 CABLES; 3" EMT = 90 CABLES; 4" EMT = 150 CABLES
J	CONDUIT RUNS SHALL NOT EXCEED 100 FEET WITHOUT A PULLING POINT AND SHALL NOT INCLUDE MORE THAN TWO 90° BENDS BETWEEN PULLING POINTS. IF THE PATH OF THE CONDUIT RUN REQUIRES BENDS EXCEEDING A TOTAL OF 180°, INSTALLATION OF AN APPROPRIATELY SIZED JUNCTION BOX IS REQUIRED.
K	CONTRACTOR SHALL PROVIDE PROPERLY RATED FIRE STOP SYSTEMS FOR ALL CONDUIT AND/OR CABLE TRAY ENTERING THE TELECOMMUNICATIONS ROOMS. EACH CONTRACTOR IS RESPONSIBLE FOR SEALING PENETRATIONS AFTER EACH SCOPE OF WORK IS COMPLETED.
L	CONTRACTOR SHALL PROVIDE FIRE STOPS TO SEAL ALL PENETRATIONS THROUGH FLOORS, WALLS, STAIRS, AND ELEVATORS AS NECESSARY TO MEET CODE REQUIREMENTS. FIRE STOPS SHALL BE PROVIDED IN ACCORDANCE WITH ALL APPLICABLE CODES AND STANDARDS.

SHEET NOTES	
1	NEW CABLING FOR EXISTING RECABLED DEVICES WITHIN ROOM SHALL UTILIZE EXISTING PATHWAYS TO MAIN CORRIDORS. NEW PATHWAYS FROM MAIN CORRIDORS TO NEW IDF LOCATIONS ARE SHOWN.
2	PROVIDE NEW 2" J-HOOKS WALL MOUNTED OR SUSPENDED FROM DECK ABOVE WHERE PATH CROSSES CORRIDOR OPENINGS. MOUNT J-HOOKS APPROX. 12"-24" BELOW DECK. STEP PATHWAY DOWN AS DECK LOWERS ALONG CORRIDOR.



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971 EAST BANTA ROAD

REGISTERED COMMUNICATIONS DISTRIBUTION DESIGNER
BICSI
Jared Klingler
BICSI ID # 407182
EXPIRES 12-31-27
RCDD

REVISIONS:		
#	Date	Desc.
1	08/06/2026	ADDENDUM 2

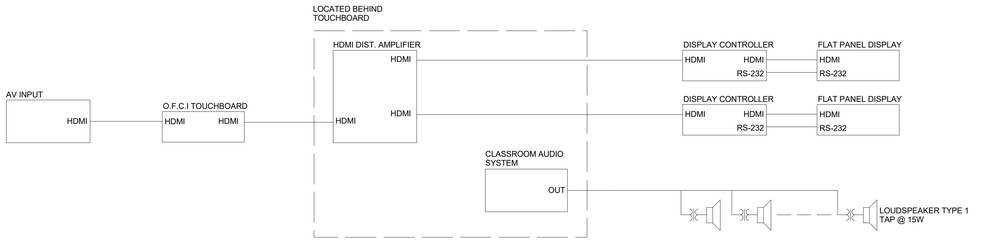
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FIRST FLOOR DISTRIBUTION PLAN - UNIT L

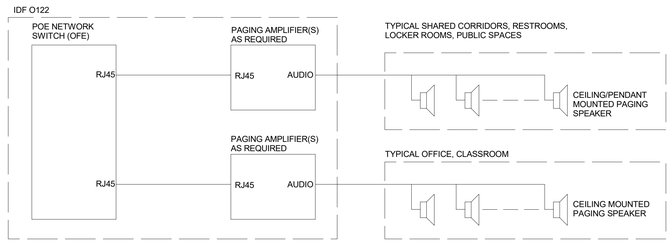
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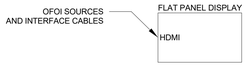
1 TYPICAL LGI AV DIAGRAM
N.T.S.

TYPICAL OF (1) LOCATION



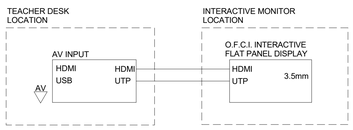
NOTES:
- PROVIDE SINGLE OR MULTI-CHANNEL NETWORK PAGING AMPLIFIERS AS REQUIRED TO SUPPORT WATTAGE OUTPUT OF SPEAKERS.
- ALL SPEAKERS ARE PART OF A SINGLE ZONE.

2 PAGING DIAGRAM
N.T.S.



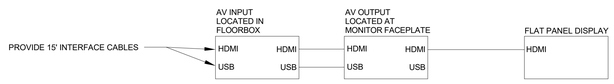
5 TYPICAL COACH OFFICE AV DIAGRAM
N.T.S.

TYPICAL OF (3) LOCATIONS



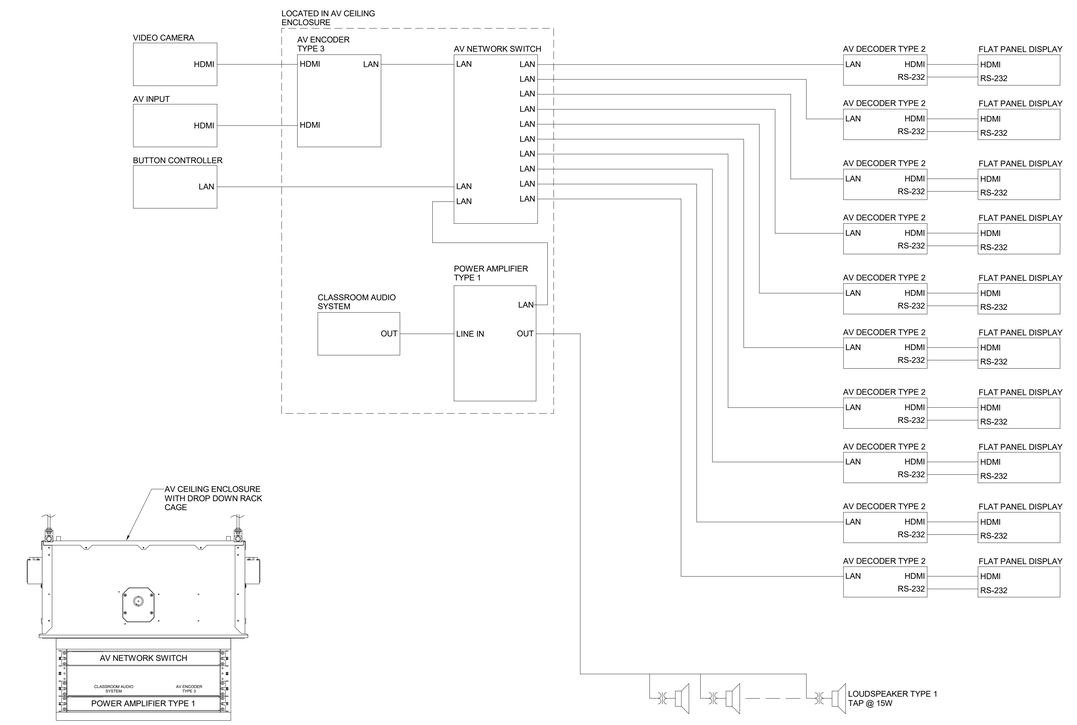
6 TYPICAL CLASSROOM AV DIAGRAM
N.T.S.

TYPICAL OF (22) LOCATIONS



7 TYPICAL CONFERENCE ROOM AV DIAGRAM
N.T.S.

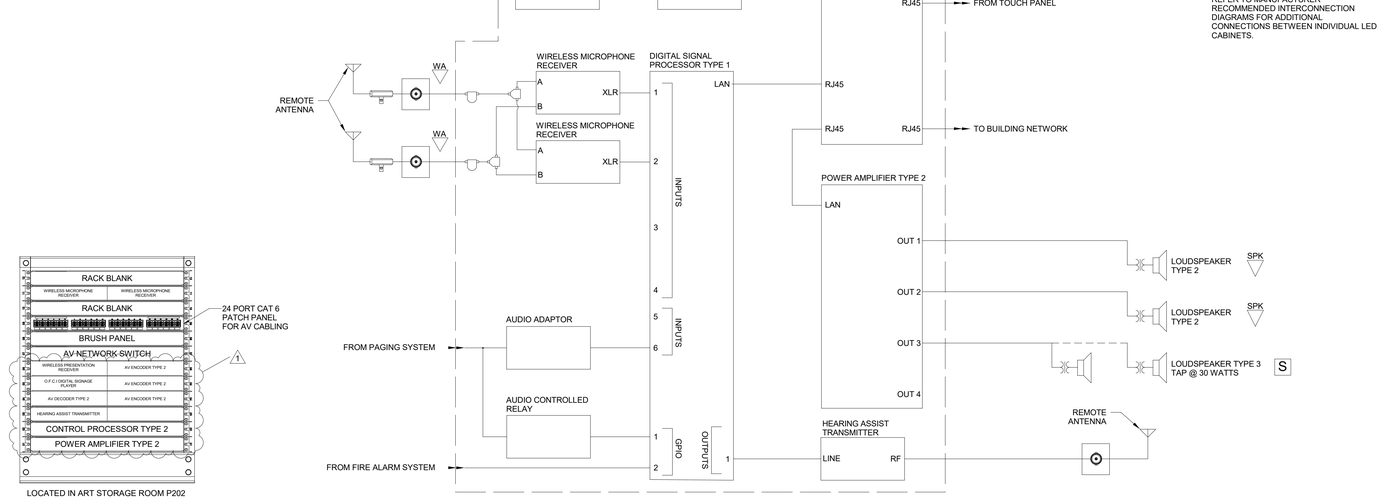
TYPICAL OF (1) LOCATION



3 CULINARY ART LAB P110 - CEILING ENCLOSURE ELEVATION
N.T.S.

4 CULINARY ART LAB P110 AV DIAGRAM
N.T.S.

TYPICAL OF (1) LOCATION



LOCATED IN ART STORAGE ROOM P202

8 LOBBY B294 AV EQUIPMENT RACK ELEVATION
N.T.S.

9 LOBBY B294 AV DIAGRAM
N.T.S.

TYPICAL OF (1) LOCATION

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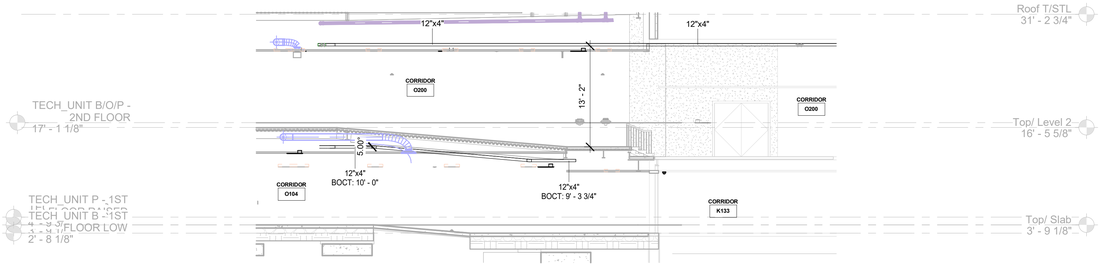
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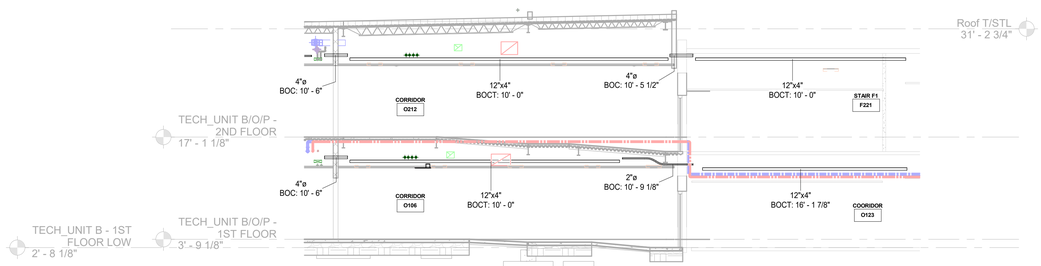
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AV DIAGRAMS

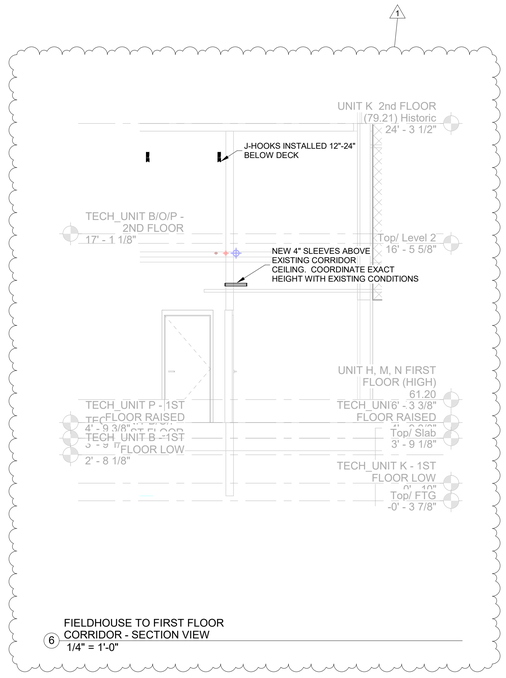
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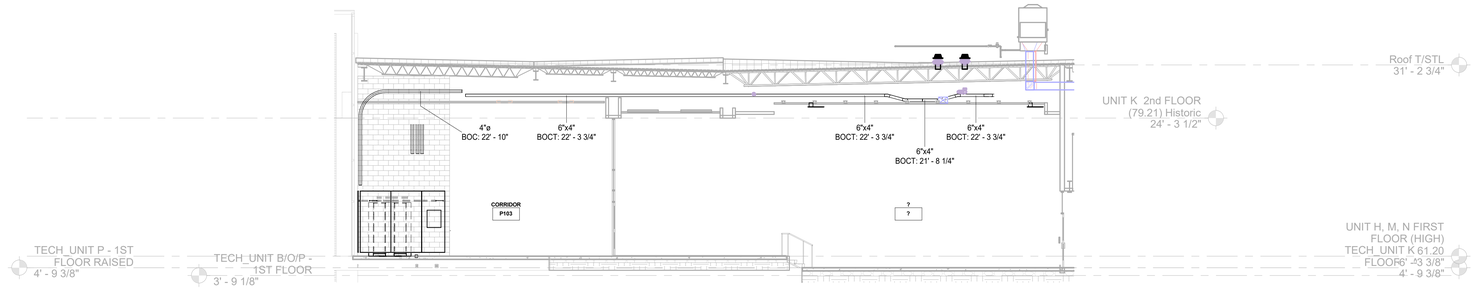
1 UNIT B/O CONNECTOR - SECTION VIEW
1/8" = 1'-0"



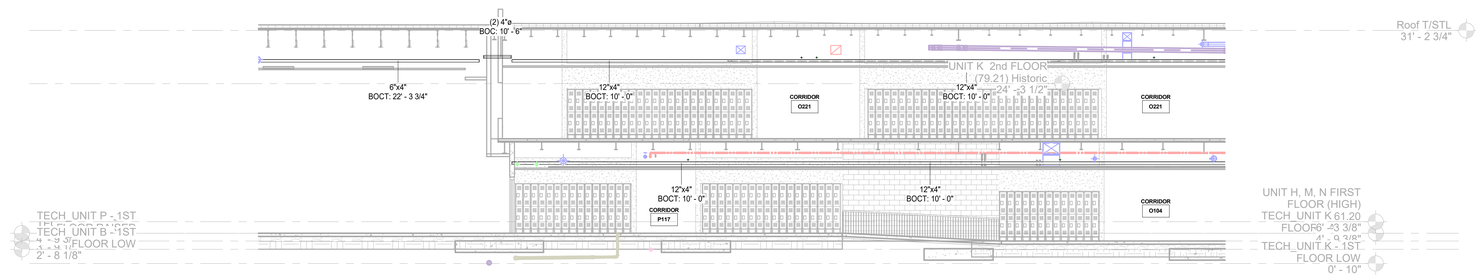
2 UNIT F/O CONNECTOR - SECTION VIEW
1/8" = 1'-0"



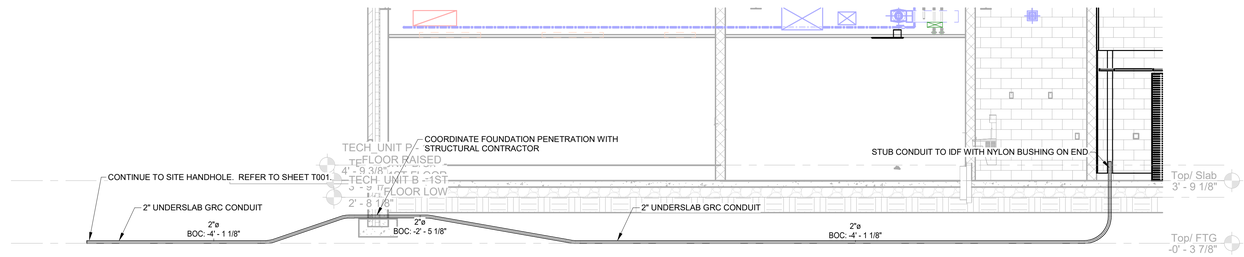
6 FIELDHOUSE TO FIRST FLOOR
CORRIDOR - SECTION VIEW
1/4" = 1'-0"



3 UNIT K/P CONNECTOR - SECTION VIEW
1/8" = 1'-0"



4 UNIT P ATRIUM TO CLASSROOM
CONNECTOR - SECTION VIEW
1/8" = 1'-0"



5 UNIT O - SITE CONDUIT
1/4" = 1'-0"

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1	08/06/2026	ADDENDUM 2

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DISTRIBUTION SECTIONS

T308