ADDENDUM NO. 02

October 28, 2026

Franklin Central High School Health Sciences Pavilion
6215 S. Franklin Rd
Indianapolis, IN 46259

TO: ALL BIDDERS OF RECORD

This Addendum forms a part of and modifies the Bidding Requirements, Contract Forms, Contract Conditions, the Specifications, and the Drawings dated September 18, 2026, by Wold VPS Architecture (Architect). 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 2-1, Specification Section 07 13 00 – Sheet Waterproofing and attached Wold VPS Addendum No. 02 dated October 27, 2026, consisting of 5 pages, Specification Sections 09 05 61 Common Work Results for Flooring Preparation, 14 24 00 Hydraulic Elevator and a combined total of 23 drawings.

Work activities that may disturb the operation of the school will have to be performed off hours as needed. These will need to be coordinated with the Owner and Skillman's Site Manager.

A. SPECIFICATION SECTION 01 12 00 MULTIPLE CONTRACT SUMMARY

E. BID CATEGORY NO. 6 – METAL STUDS, DRYWALL & ACOUSTICAL

Add the following Specification Section

Section 05 40 00 – Cold-Formed Metal Framing

B. SPECIFICATION SECTION 01 51 50 TEMPORARY WATER

Article 1.03 – Delete in its entirety.

SECTION 07 13 00
SHEET WATERPROOFING

PART 1 GENERAL

1.01 SECTION INCLUDES

A. Self-adhered modified bituminous sheet membrane.

B. Sheet Waterproofing:

1. Self-adhered modified bituminous sheet membrane.
    a. For use at elevator pit.
2. Self-adhered HDPE sheet membrane.
    a. For use as blindside waterproofing at concealed wall areas and under footings.
3. Installation of drainage mat and perimeter insulation over vertical waterproofing.
4. Installation of horizontal protection board over waterproofing.

1.02 SUBMITTALS

A. See Section 01 30 00 - Administrative Requirements for submittal procedures.

B. Product Data: Provide data for membrane.

C. Shop Drawings:

1. Indicate special joint or termination conditions and conditions of interface with other materials.
2. Drawings that show the extent of the waterproofing proposed to be installed. It is acceptable to provide mark ups of the architects drawings to indicate the extent.

D. Specimen Warranty.

1.03 QUALITY ASSURANCE

A. Membrane Manufacturer Qualifications: Company specializing in manufacturing products specified in this section, with not less than 10 years of documented experience.

B. Installer Qualifications: Company specializing in performing work of the type specified and with at least three years of documented experience.

1.04 FIELD CONDITIONS

A. Maintain ambient temperatures above 40 degrees F (5 degrees C) for 24 hours before and during application and until liquid or mastic accessories have cured.

1.05 WARRANTY

A. See Section 01 77 00 - Contract Closeout for additional warranty requirements.

B. Provide five year manufacturer warranty for waterproofing failing to resist penetration of water.

PART 2 PRODUCTS

2.01 SHEET WATERPROOFING APPLICATIONS

A. Self-Adhered Modified Bituminous Sheet Membrane:

1. Location: Exterior surfaces of elevator pit and other vertical below-grade concrete surfaces indicated to receive waterproofing.
2. Cover with drainage mat and perimeter insulation.

B. Blindside HDPE Reinforced Sheet Membrane:

1. Location: Under footings and other locations as detailed.
2. Cover with drainage mat.

2.02 SHEET WATERPROOFING MATERIALS

A. Self-Adhered Modified Bituminous Sheet Membrane:

1. Thickness: 60 mil, 0.060 inch (1.5 mm), minimum.
2. Sheet Width: 36 inches (0.914 m), minimum.
3. Tensile Strength:
    a. Film: 5,000 psi (34.57 MPa), minimum, measured in accordance with ASTM D882 and at grip-separation rate of 2 inches (50 mm) per minute.
    b. Membrane: 325 psi (2.24 MPa), minimum, measured in accordance with ASTM D412 Method A, using die C and at spindle-separation rate of 2 inches (50 mm) per minute.
4. Elongation at Break: 300 percent, minimum, measured in accordance with ASTM D412.

5. Water Vapor Permeance: 0.05 perm (2.9 ng/(Pa s sq m)), maximum, measured in accordance with ASTM E96/E96M.
6. Low Temperature Flexibility: Unaffected when tested in accordance with ASTM D1970/D1970M at minus 20 degrees F (minus 29 degrees C), 180 degree bend on 1 inch (25 mm) mandrel.
7. Hydrostatic Pressure Resistance: Membrane resists leakage for at least one hour from pressure equivalent to 200 feet (61 m) head of water applied in accordance with test method ASTM D5385/D5385M.
8. Adhesives, Sealants, Tapes, and Accessories: As recommended by membrane manufacturer.
9. Products:
    a. Carlisle Coatings & Waterproofing Inc; MiraDRI 860/861: www.carlisleccw.com.
    b. GCP Applied Technologies; Bituthane System 3000 or Bituthane Low Temperature. www.gcpat.com.
    c. Henry Company; Blueskin WP 200: www.henry.com.
    d. W.R. Meadows, Inc; MEL-ROL and MEL-ROL LOW TEMP or XLT: www.wrmeadows.com.

B. Self-Adhered HDPE Sheet Membrane (Blindside Waterproofing): Recommended by manufacturer for placement below concrete slabs and on outside face of below grade walls before placement of concrete.
1. Sheet Thickness: 32 mil, 0.032 inch (0.8 mm), minimum.
2. Low Temperature Flexibility: Unaffected when tested in accordance with ASTM D1970/D1970M at minus 20 degrees F (minus 29 degrees C), 180 degree bend on 1 inch (25 mm) mandrel.
3. Hydrostatic Pressure Resistance: Membrane resists leakage for at least one hour from pressure equivalent to 231 feet (70.4 m) head of water applied in accordance with test method ASTM D5385/D5385M.
4. Elongation at Break: 500 percent, minimum, measured in accordance with ASTM D412.
5. Tensile Strength, Film: 3,500 psi (24 MPa), minimum, measured in accordance with ASTM D412.
6. Water Vapor Permeance: 0.01 perm (0.6 ng/(Pa s sq m)), maximum, measured in accordance with ASTM E96/E96M.
7. Lateral Water Migration Resistance: Resists pressure of 231 ft (70 m) head of water, when tested in accordance with ASTM D5385/D5385M.
8. Adhesives, Sealants, Tapes, and Accessories: As recommended by membrane manufacturer.
9. Accessories:
    a. Waterstop: manufacturers recommended hydrophilic non-bentonite waterstop for non-moving concrete construction joints.
    b. Preformed Soil Retention Wall Tieback Cover: manufacturer's recommended prefabricated cover for soil retention wall tiebacks.
    c. Preformed Inside and Outside Corners: manufacturer's recommended prefabricated inside and outside corners.
    d. Tape for covering cut edges, roll ends, penetrations and detailing: manufacturer's recommended tape for appropriate temperature at time of installation.
10. Products:
    a. GCP Applied Technologies; Preprufe 300R and 300LT: www.gcpat.com.
    b. Carlisle Coatings & Waterproofing; MiraPLY-H horizontal / MiraPLY-V vertical: www.carlisleccw.com.
    c. Henry Company; Blueskin PreSeal 320: www.henry.com.
    d. W.R. Meadows, Inc; PRECON: www.wrmeadows.com.

2.03 ACCESSORIES

A. Seaming Materials: As recommended by membrane manufacturer.
B. Membrane Sealant: As recommended by membrane manufacturer.
C. Sealant for Cracks and Joints In Substrates: Resilient elastomeric joint sealant compatible with substrates and waterproofing materials.
D. Perimeter Insulation: Rigid insulation as specified in Section 07 21 00.

E. Protection Board: Provide type capable of preventing damage to waterproofing due to backfilling and construction traffic.
   1. Waterproofing manufacturer's standard protection board suitable for the application and capable of preventing damage to membrane from subsequent construction and backfilling.
F. Drainage Matt: Drainage layer with geotextile filter fabric on earth side.
   1. Composition: Dimpled polystyrene, polyethylene, or polypropylene core; polypropylene filter fabric.
   2. Products:
      a. W.R. Meadows, Inc; Mel-Drain 5012: www.wrmeadows.com.
      b. GCP Applied Systems; Hydroduct 220; www.gcpat.com.
      c. Henry Company; DB200: www.henry.com.
      d. Henry Company; MiraDRAIN 6000
G. Termination Bars: Aluminum; compatible with membrane and adhesives.
H. UV Protection Flashing:
   1. 24-gage G90 galvanized steel, prefinished with Kynar 500 or Hylar 5000 fluorocarbon coating.
      a. Color as selected by Architect from manufacturer's standard colors.
   2. Extend minimum 8 inches below finished grade.
   3. Through-wall flashing shall be compatible with and approved in writing by the specified weather-barrier manufacturer.
I. Adhesives: As recommended by membrane manufacturer.
J. Thinner and Cleaner: As recommended by adhesive manufacturer, compatible with sheet membrane.

PART 3 EXECUTION

3.01 EXAMINATION

A. Verify existing conditions are acceptable prior to starting work.
B. Verify substrate surfaces are durable; free of matter detrimental to adhesion or application of waterproofing system.
C. Verify that items penetrating surfaces to receive waterproofing are securely installed.

3.02 PREPARATION

A. Protect adjacent surfaces from damage not designated to receive waterproofing.
B. Clean and prepare surfaces to receive waterproofing in accordance with manufacturer's instructions; vacuum substrate clean.
C. Do not apply waterproofing to surfaces unacceptable to membrane manufacturer.
D. Fill nonmoving joints and cracks with a filler compatible with waterproofing materials.
E. Seal moving cracks with sealant and nonrigid filler, using procedures recommended by sealant and waterproofing manufacturers.
F. Prepare building expansion joints at locations as indicated on drawings.
G. Surfaces for Adhesive Bonding: Apply surface conditioner at a rate recommended by manufacturer, and protect conditioner from rain or frost until dry.
H. Concrete Surfaces for Adhesive Bonding: Prepare concrete substrate in accordance with ASTM D5295/D5295M.
   1. Remove substances that inhibit adhesion including form release agents, curing compounds admixtures, laitance, moisture, dust, dirt, grease and oil.
   2. Repair surface defects including honeycombs, fins, tie holes, bug holes, sharp offsets, rutted cracks, ragged corners, deviations in surface plane, spalling and delaminations, as described in reference standard.
   3. Remove and replace areas of defective concrete; see Section 03 30 13.
   4. Prepare concrete for adhesive bonded waterproofing using mechanical or chemical methods described in referenced standard.
   5. Test concrete surfaces as described in referenced standards, and verify surfaces are ready to receive adhesive bonded waterproofing membrane system.

3.03 INSTALLATION - MEMBRANE

A. Install membrane waterproofing in accordance with manufacturer's instructions.

3.04 INSTALLATION DRAINAGE MAT AND PERIMETER INSULATION

A. Place drainage panel directly against membrane, butt joints, place to encourage drainage downward; scribe and cut boards around projections, penetrations, and interruptions.

B. Install drainage panel over full depth of waterproofed wall, from top of waterproofing to bottom termination at footing or foundation drainage system, but not less than 4 feet below finished grade.

C. Install aluminum flashing as a UV covering to at least 8" below finished grade.

3.05 PROTECTION

A. Do not permit traffic over unprotected or uncovered membrane.

END OF SECTION 07 13 00

To: Prospective Bidders

From: Wold VPS

Date: October 27, 2026

Comm. No: 260804016 / 2025019

Subject: Addendum No. 2 for Bidding Documents for the
Franklin Township Community School Corporation
Franklin Central High School Health Sciences Pavilion
Indianapolis, Indiana

BIDS DUE NOVEMBER 4, 2026 AT 2:00 P.M. EST.

This addendum forms a part of the Contract Documents dated September 18, 2026. Acknowledge receipt of this Addendum on the space provided on the Bid Form. Failure to do so may result in disqualification of Bid.

This Addendum consists of 5 typed sheets and 25 attachments:
Specification Sections:
09 05 61 COMMON WORK RESULTS FOR FLOORING PREPARATION
14 24 00 HYDRAULIC ELEVATOR
Sheets:
C250 SITE IMPROVEMENT PLAN
A105 FIRST FLOOR FINISH PLAN – AREA HSP, Q, R
A106 SECOND FLOOR FINISH PLAN – AREA HSP
A107 FIRST FLOOR SIGNAGE PLAN – AREA HSP, Q, R
A108 SECOND FLOOR SIGNAGE PLAN – AREA HSP
A402 WALL SECTIONS & DETAILS
A403 WALL SECTIONS
A404 WALL SECTIONS
A405 WALL SECTIONS
A507 SECOND FLOOR INTERIOR ELEVATIONS
A508 MATERIAL FINISH SCHEDULE & INTERIOR RENDERINGS
A606 FIRST FLOOR – HSP FLOOR PATTERN PLAN
A607 SECOND FLOOR – HSP FLOOR PATTERN PLAN
A701 DOOR SCHEDULES AND DETAILS
A702 WINDOW FRAME ELEVATIONS
M-801 LOAD CALCULATIONS

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Wold VPS

E-001 ELECTRICAL SYMBLS AND ABBREVIATIONS
EL103 ELECTRICAL LIGHTING FIRST FLOOR PLAN – UNIT HSP
EL104 ELECTRICAL LIGHTING SECOND FLOOR PLAN – UNIT HSP
E-401 ELECTRICAL ENLARGED PLANS
E-601 ELECTRICAL LIGHTING AND SCHEDULES
E-603 ELECTRICAL PANELBOARD SCHEDULES
E-706 ELECTRIKCAL ONE-LINE DIAGRAM 1NSBHSP41

GENERAL NOTES

1. **Q:** There is a note about 2" painted stripes, and in the spec book it's a Tarket product that's 1", which is it and what trade, cause its on the sealed concrete.
   A. 2" painted stripes in room 1014 will be painted per Section 09 90 00/ 2.04/ G. Concrete: Floors, non-vehicular. The remainder of the exposed concrete flooring is sealed concrete.
2. **Q:** 084413 2.08 shows 2 finishes. It appears the curtain walls are supposed to be painted Blue. It also refers to exterior storefronts where indicated on the drawings.
   A. Two finishes will be used on the project to match existing conditions on the building. At storefront and curtainwall construction at doors 1000-1, 1000-2, 1002-1, 1000-3 use Superior Performing Organic Coatings System, Finish #1, match SW 6804 Dignity Blue. At storefront construction used as punched window openings Class 1 Color Anodized finish, Finish #2 Dark Bronze.
3. **Q:** Is MC cable permitted on this project? If so, in which applications may it be used?
   A. No, MC is not acceptable for use.
4. **Q:** A301 (no north elevation); A402 sections 1 and 2; A601 details 1 and 2 (Add #1); A101HSP/A102HSP keynote 1. No north elevation is provided. Please confirm the finishes and extent of masonry on the 2nd-floor north wall above the existing roof and at tie-ins to the existing building.
   A. Sections 2/A402 and 1/A406 show the extent of masonry and metal wall cladding on the North elevation above the roof, including tile into the existing roofing.
5. **Q:** Please also provide the quantity and sizes of existing window openings receiving toothed-in CMU infill (keynote 1) on both floors.
   A. Existing window openings sizes will require field verification and measurements of existing conditions. There are multiple locations noted on the first floor in existing Science Labs and existing classrooms shown on sheet A101HSP. There are no second floor existing windows to infill.
6. **Q:** 04 20 00 1.01.C and E, 2.06.I and K, 3.05.M and N; Section 07 21 00. 04 20 00 refers masonry core insulation and the acoustic spray system to 07 21 00, but 07 21 00 specifies neither product. No core-insulated walls are identified on the drawings. Please provide products, required thickness or STC, and wall locations, or confirm they are not required.
   A. No masonry core insulation used on the project.

7. **Q:** S201 (CMU12 tags and Note 7); A001 Type C2; A101HSP/A102HSP; Section 14 24 00 (Add #1). S201 shows 12" CMU (CMU12) at the elevator, but the architectural plans do not tag Type C2 there. Please confirm the hoistway wall thickness and height.
   A. Reference detail 6/A502 for C2 wall indicator. Reference detail 7/A502 for elevator section.
8. **Q:** Page A506 has dimensional letters mounting to "resin panels" I cannot provide the resin panels because I do not know what they are made of. May I bid the letters only and plan on mounting them to the panels?
   A. Provide resin panels indicated on Sheet A506 as minimum 1/4" thick solid cast acrylic panels, clear or translucent light color as selected by Architect. Panels shall be sufficiently rigid to support applied vinyl lettering without bowing, sagging, or distortion. Provide polished edges and concealed stand-off mounting hardware sized and spaced to adequately support panels. Submit material samples and shop drawings for Architect's review.
9. **Clarification:** Use Specification section 09 67 00 Fluid Applied Flooring for flooring in Room 2004 (PTD CON). Use Specification section 09 67 23 Resinous Epoxy Flooring for restrooms and other areas receiving RES-1.
10. **Clarification:** All Ballistic resistant glazing was removed from the project with Addendum #1 reissued 08 80 00 Glazing Specification. Replace ballistic glazing with Security glazing laminate, basis of design product “Safe Haven.” Noted as “Riot Film” on Sheet A702.
11. **Clarification to ADD 1:** Section 07 13 00 Sheet Waterproofing was not issued with Addendum 1. Only the spec section was added to the TOC. It has been added in this Addendum.
12. **Clarification to ADD 1:** Section 05 31 00 Steel Decking was not issued with Addendum 1, it was issued with the original specifications. Only the spec section was added to the TOC.
13. **Clarification Sheet A702:** All double exterior doors to have keyed removable mullions. Reference Door Hardware Specification 08 71 00.
14. **Edit to ADD 1:** ***Change*** section noted as 10 21 32 to 10 21 23 on Wold VPS cover page.
15. **Edit to ADD 1:** ***Change*** all references to Specification section 05 40 11 Cold Formed Metal Framing to 05 40 00 Cold Formed Metal Framing.

PROJECT MANUAL

1. **09 05 61 COMMON WORK RESULTS FOR FLOORING PREPARATION**
   A. Reissued this addendum.
2. **SPECIFICATION SECTION 14 24 00 HYDRAULIC ELEVATOR**
   B. Reissued this addendum.

PRIOR APPROVALS

Wold VPS

The following schedule amends designated specification sections to list additional acceptable manufacturers. Use of any product by any of these manufacturers will be permitted only if after review of shop drawings or detailed product data per Section 01 30 00, Architect determines that proposed materials or equipment are equivalent in performance, construction and appearance to product(s) specified.

Where anticipated product substitutions would alter the design or space requirements indicated on the Drawings, pay for cost of design and construction revisions including the cost of associated work by other contractors.

For complete requirements, see Specification Section 01 25 00 – Substitution Procedures.

Section No.	Item	Type	Acceptable Manufacturer
08 11 13	2.01.A	Hollow Metal Doors and Frames	Mesker

DRAWINGS

1. **C250 SITE IMPROVEMENT PLAN**
   A. Delete and replace in its entirety.
2. **A105 FIRST FLOOR FINISH PLAN – AREA HSP, Q, R**
   A. Delete and replace in its entirety.
3. **A106 SECOND FLOOR FINISH PLAN – AREA HSP**
   A. Delete and replace in its entirety.
4. **A107 FIRST FLOOR SIGNAGE PLAN – AREA HSP, Q, R**
   A. Add sheet.
5. **A108 SECOND FLOOR SIGNAGE PLAN – AREA HSP**
   A. Add sheet.
6. **A402 WALL SECTIONS & DETAILS**
   A. Delete and replace in its entirety.
7. **A403 WALL SECTIONS**
   A. Delete and replace in its entirety.
8. **A404 WALL SECTIONS**
   A. Delete and replace in its entirety.
9. **A405 WALL SECTIONS**
   A. Delete and replace in its entirety.
10. **A507 SECOND FLOOR INTERIOR ELEVATIONS**
    A. Delete and replace in its entirety.
11. **A508 MATERIAL FINISH SCHEDULE & INTERIOR RENDERINGS**
    A. Delete and replace in its entirety.

12. **A606 FIRST FLOOR – HSP FLOOR PATTERN PLAN**

A. Delete and replace in its entirety.

13. **A607 SECOND FLOOR – HSP FLOOR PATTERN PLAN**
    A. Delete and replace in its entirety.
14. **A701 DOOR SCHEDULES AND DETAILS**
    A. Delete and replace in its entirety.
15. **A702 WINDOW FRAME ELEVATIONS**
    A. Delete and replace in its entirety.
16. **M-801 LOAD CALCULATIONS**
    A. Add sheet.
17. **E-001 ELECTRICAL SYMBLS AND ABBREVIATIONS**
    A. Delete and replace in its entirety
18. **EL103 ELECTRICAL LIGHTING FIRST FLOOR PLAN – UNIT HSP**
    A. Delete and replace in its entirety
19. **EL104 ELECTRICAL LIGHTING SECOND FLOOR PLAN – UNIT HSP**
    A. Delete and replace in its entirety
20. **E-401 ELECTRICAL ENLARGED PLANS**
    A. Delete and replace in its entirety
21. **E-601 ELECTRICAL LIGHTING AND SCHEDULES**
    A. Delete and replace in its entirety
22. **E-603 ELECTRICAL PANELBOARD SCHEDULES**
    A. Delete and replace in its entirety
23. **E-706 ELECTRIKCAL ONE-LINE DIAGRAM 1NSBHSP41**
    A. Delete and replace in its entirety

END OF ADDENDUM #2

SECTION 09 05 61
COMMON WORK RESULTS FOR FLOORING PREPARATION (ADD 2)

PART 1 GENERAL

1.01 SECTION INCLUDES

A. This section applies to floors identified in Contract Documents that are receiving the following types of floor coverings:
   1. Resilient tile.
   2. Carpet tile.
   3. Epoxy Painted Concrete.
   4. Grinding or leveling of floors if required to meet floor flatness requirements.
   5. Resinous epoxy.
   6. Including the following Specification Sections:
      a. 09 30 00 Tile.
      b. 09 65 00 Resilient Flooring.
      c. ~~**09 65 66 Resilient Athletic Flooring.**~~
      d. ~~**09 66 23 Epoxy Resinous Matrix Terrazzo Flooring.**~~ ***09 67 23 Resinous Flooring.***
      e. 09 67 00 Fluid-Applied Flooring.
      f. 09 68 13 Carpet Flooring.

B. Removal of existing floor coverings.

C. Preparation of new and existing concrete floor slabs for installation of floor coverings.

D. Testing of concrete floor slabs for moisture and alkalinity (pH).

E. Patching compound.

F. Epoxy Moisture Mitigation System over existing slab on grade, if required, or unless a breathable flooring is being installed.

G. ASTM C109/C109M - Standard Test Method for Compressive Strength of Hydraulic Cement Mortars (Using 2-in. or [50 mm] Cube Specimens); 2021.

H. ASTM C472 - Standard Test Methods for Physical Testing of Gypsum, Gypsum Plasters, and Gypsum Concrete; 2020.

I. RFCI (RWP) - Recommended Work Practices for Removal of Resilient Floor Coverings; 2018.

1.02 SUBMITTALS

A. Submittals are referenced in the Flooring Specifications.

B. Visual Observation Report: For existing floor coverings to be removed.

C. Product Data: Substrate preparation materials.

D. Epoxy Moisture Mitigation System Product Data: Manufacturer's published data on each product to be used for remediation.
   1. Manufacturer's qualification statement for training of Installer.
   2. Specimen Warranty: Copy of warranty to be issued by coating manufacturer and certificate of underwriter's coverage of warranty.

E. Flooring Installer's Concrete Moisture and pH Test Report:
   1. Description of areas tested; include floor plans and photographs if helpful.
   2. Summary of conditions encountered.
   3. Copies of specified test methods.
   4. Recommendations for remediation of unsatisfactory surfaces.
   5. Submit report not more than two business days after conclusion of testing.

1.03 QUALITY ASSURANCE

A. Epoxy Moisture Mitigation Coating Installer Qualifications: Company specializing in performing work of the type specified in this section, trained by or employed by coating manufacturer, and able to provide at least 3 project references showing at least 3 years' experience installing moisture emission coatings.

1.04 CONCRETE MOISTURE AND PH TESTING

A. For concrete slabs receiving adhered flooring, flooring installer shall perform moisture and pH testing of concrete substrates prior to flooring installation.
   1. Perform concrete moisture testing using in situ relative humidity probes in accordance with ASTM F2170 and the flooring manufacturer's written requirements.
   2. Perform pH testing in accordance with ASTM F710 and the flooring manufacturer's written requirements.
   3. Number and location of tests shall comply with applicable ASTM standards and flooring manufacturer's requirements.
   4. Submit written test results to Architect prior to installation of flooring. Do not install flooring until concrete moisture and pH conditions comply with the flooring and adhesive manufacturers' published limitations.
   5. Where required by the flooring or adhesive manufacturer, perform field adhesion testing using the specified flooring products and adhesives. Perform testing in accordance with manufacturer's written instructions and ASTM F710.
   6. Flooring Installer shall be responsible for concrete moisture, pH, and adhesion testing required to verify substrate suitability for installation.
   7. Flooring installer’s commencement of flooring installation constitutes acceptance of concrete substrate conditions.

1.05 FLOOR FLATNESS

A. For new concrete slabs on grade and elevated structural slabs/topping as specified in Section 03 30 13 floor flatness is specified per ACI 117 as follows:
   1. For floors requiring a "moderately flat tolerance" (typically carpet):
      a. F (F) Flat tolerance with an overall value of 25 and a minimum localized value of 15.
      b. F (L) Flat tolerance with an overall value of 20 and a minimum localized value of 12.
      c. Measured by a manual straightedge method a “flat” floor surface classification, maximum gap for 90% compliance, samples not to exceed 3/8 inch (9.53 mm) and for 100% compliance, samples not to exceed 5/8 inch (15.88 mm).
   2. For floors requiring a "flat or greater tolerance": typically resilient, vinyl tile, and thin-set ceramic/porcelain tile up to 16 inches (406 mm) in size without mortar beds and finishes with greater tolerances of resilient athletic flooring and thin-set ceramic/porcelain tile over 16 inches (406 mm) in size without mortar beds:
      a. F (F) Flat tolerance with an overall value of 35 and a minimum localized value of 21.
      b. F (L) Flat tolerance with an overall value of 25 and a minimum localized value of 15.
      c. Measured by a manual straightedge method a “flat” floor surface classification, maximum gap for 90% compliance, samples not to exceed ¼ inch (6.35 mm) and for 100% compliance, samples not to exceed 3/8 inch (9.53 mm).

B. New Concrete Slabs: Concrete Contractor shall provide slabs complying with the floor flatness requirements specified in Section 03 30 13. Flooring Contractor shall provide localized grinding, patching, and leveling required by flooring manufacturer after acceptance of a compliant concrete substrate.

~~C. Existing Concrete Slabs: The flooring contractor will be responsible to provide the necessary means (i.e., grinding/leveling) for leveling as required by the flooring manufacturer for existing concrete floor substrates as follows:~~
   ~~1. On remodeling projects, assume 20% of area will require filling, or leveling up to 1/4 inch (6.35 mm) in height.~~

1.06 DELIVERY, STORAGE, AND HANDLING

A. Deliver, store, handle, and protect products in accordance with manufacturer’s instructions and recommendations.

B. Deliver materials in manufacturer’s packaging; include installation instructions.

C. Keep materials from freezing.

PART 2 PRODUCTS

2.01 MATERIALS

A. Substrate Prep and Patching:

1. Patching Compound/Subfloor : Floor covering manufacturer's recommended product, suitable for conditions, and compatible with adhesive and floor covering. In the absence of any recommendation from flooring manufacturer, provide a product with the following characteristics:
2. Patching Compound/Subfloor Filler:
   a. Self-drying cementitious moisture-, mildew-, and alkali-resistant compound, capable of being feathered to nothing at edges.
   b. Compressive Strength: 3000 psi, (210.92 kg/cm2), after 28 days, when tested in accordance with ASTM C109/C109M or ASTM C472, whichever is appropriate.
   c. Thickness: Up to 1/2 inch (12.7 mm).
   d. VOC: 0 g/L.
   e. Products:
      1) ARDEX Engineered Cements; ARDEX Feather Finish: www.ardexamericas.com.
      2) Equivalent products by other manufacturers are acceptable.
3. Crack and Joint Treatment:
   a. Dormant Cracks and Sawcuts: Two part, low viscosity, rigid polyurethane.
      1) Tensile Strength: 4,150 psi (28.6 N/sq.mm), minimum, after 28 days, when tested in accordance with ASTM 638.
      2) Elongation: 6% when tested in accordance with ASTM 638.
      3) Die C Tear: 243 pli (425.5 N/cm) when tested in accordance with ASTM 624.
      4) VOC: 0 g/L.
      5) Thickness: No limits.
      6) Products:
         (a) ARDEX Engineered Cements; ARDEX Ardifix: www.ardexamericas.com.
         (b) Equivalent products by other manufacturers are acceptable.
   b. Moving Joints and Cracks: Two part, self leveling, semi-rigid polyurea fast setting joint sealant.
      1) Tensile Strength: Approx. 1,200 psi (0.08 N/sq. m), when tested in accordance with ASTM D412.
      2) Elongation: 82% when tested in accordance with ASTM D412.
      3) Bond Strength: 400 psi (2.76 N/sq. m), when tested in accordance with ASTM C882.
      4) VOC: 8 g/L.
      5) Thickness: 1/4 to 2 inches (6.35 to 50.8 mm).
      6) Products:
         (a) ARDEX Engineered Cements; ARDEX Ardiseal Rapid Plus: www.ardexamericas.com.
         (b) Equivalent products by other manufacturers are acceptable.
4. Substrate Prep: Rapid drying moisture resistant patch of portland and other hydraulic cements, trowel grade underlayment.
   a. Moisture Tolerance: 100% RH.
   b. VOC: 0 g/L.
   c. Products:
      1) ARDEX Engineered Cements; ARDEX MRF: www.ardexamericas.com.
      2) Equivalent products by other manufacturers are acceptable.
5. Self Leveling Topping/Underlayment: Polymer blended portland cement based, self leveling topping.
   a. Primer as recommended by manufacturer.

b. Compressive Strength: 5000 psi (351.53kg/cm2) after 28 days, when tested in accordance with ASTM C109/C109M.
c. Flexural Strength: 1,200 psi (84 kg/cm2) at 28 days, when tested in accordance with ASTM C348.
d. VOC: 0 g/L.
e. Thickness: 1/8 to 1-1/2 inch (3.175-38.1 mm).
f. Products:
1) ARDEX Engineered Cements; ARDEX K15: www.ardexamericas.com.
2) Equivalent products by other manufacturers are acceptable.

B. Epoxy Moisture Mitigation System: 100% solids, single coating/overlay combination intended by its manufacturer to resist water vapor transmission to degree sufficient to meet flooring manufacturer's emission limits, resistant to the level of alkalinity (pH) found, and suitable for adhesion of flooring without further treatment.
1. Epoxy Moisture Control System:
a. Permeability: <0.10 perms, when tested in accordance with ASTM E96.
b. RH Readings: Up to 100%.
c. 14 pH solution: No effect, when tested in accordance with ASTM D1308.
d. VOC: 19.9 g/L, A+B, when tested in accordance with ASTM D2369.
e. Thickness: As required for application and in accordance with manufacturer's installation instructions.
f. Crack Repair: Products as recommended by manufacturer.
g. Products:
1) ARDEX Engineered Cements; ARDEX MC RAPID: www.ardexamericas.com.
2) HPS North America/Schonox; EPA Rapid: www.hpsubfloors.com
2. Hydraulic Cement-based self leveling topping:
a. Primer as recommended by manufacturer.
b. Compressive Strength: 5000 psi, minimum, after 28 days, when tested in accordance with ASTM C109/C109M.
c. Flexural Strength: 1,200 psi (84 kg/cm2) at 28 days, when tested in accordance with ASTM C348.
d. VOC: 0 g/L.
e. Thickness: As required for application and in accordance with manufacturer's installation instructions.
f. Products:
1) ARDEX Engineered Cements; ARDEX K15: www.ardexamericas.com.
2) HPS North America/Schonox; SCHONOX ZM: www.hpsubfloors.com

PART 3 EXECUTION

3.01 CONCRETE SLAB PREPARATION

A. Perform following operations in the order indicated:
1. Existing concrete slabs (on-grade and elevated) with existing floor coverings:
a. Visual observation of existing floor covering, for adhesion, water damage, alkaline deposits, and other defects.
b. Removal of existing floor covering, unless noted for removal by Owner's Abatement Contractor.
2. Preliminary cleaning.
3. Moisture vapor emission tests; 3 tests in the first 1000 square feet (100 square meters) and one test in each additional 1000 square feet (100 square meters), unless otherwise indicated or required by flooring manufacturer.
4. Internal relative humidity tests; where required by flooring or adhesive manufacturer, in same locations as moisture vapor emission tests, unless otherwise indicated.
5. Alkalinity (pH) tests; in same locations as moisture vapor emission tests, unless otherwise indicated or required by flooring or adhesive manufacturer.

6. Patching, smoothing, and leveling, as required.
    a. On remodeling projects, assume 20% of area will require filling, patching or leveling.

3.02 REMOVAL OF EXISTING FLOOR COVERINGS

A. Comply with local, State, and federal regulations and recommendations of RFCI (RWP), as applicable to floor covering being removed.

B. Dispose of removed materials in accordance with local, State, and federal regulations and as specified.

3.03 PRELIMINARY CLEANING

A. Clean floors of dust, solvents, paint, wax, oil, grease, asphalt, residual adhesive, adhesive removers, film-forming curing compounds, sealing compounds, alkaline salts, excessive laitance, mold, mildew, and other materials that might prevent adhesive bond.

B. Do not use solvents or other chemicals for cleaning.

3.04 ALKALINITY TESTING

A. Perform pH testing in accordance with ASTM F710 and Section 1.04.

B. Where the floor covering manufacturer's requirements conflict with either the referenced test method or this specification, comply with the manufacturer's requirements.

C. Do not install flooring when test results exceed flooring or adhesive manufacturer's published limitations. Where limits are not published, obtain written acceptance of substrate conditions from flooring and adhesive manufacturers prior to installation.

3.05 PREPARATION

A. See individual floor covering section(s) for additional requirements.

B. Comply with requirements and recommendations of floor covering manufacturer.

C. Fill and smooth surface cracks, grooves, depressions, control joints and other non-moving joints, and other irregularities with patching compound.
    1. Prepare substrates to comply with floor flatness requirements of Section above and the applicable flooring manufacturer's written requirements.

D. Do not fill or bridge building expansion joints, isolation joints, or other designed movement joints. Maintain joints through flooring installation and provide treatment indicated on Drawings or recommended by flooring manufacturer.

3.06 ADHESIVE BOND AND COMPATIBILITY TESTING

A. Comply with requirements of Section 1.04, Concrete Moisture and pH Testing.

3.07 APPLICATION OF EPOXY MOISTURE MITIGATION SYSTEM.

A. Comply with requirements and recommendations of coating manufacturer.

END OF SECTION 09 05 61

SECTION 14 24 00
HYDRAULIC ELEVATORS

PART 1 GENERAL

1.01 SECTION INCLUDES

A. Complete machineless room hydraulic elevator systems.

B. Service elevator with 5,000-pound rated capacity, AIA car configuration, non-seismic construction and a single front entrance.

C. Include hoistway equipment, hydraulic power unit, controller, car enclosure, entrances, operating controls, signal fixtures and equipment-access provisions.

1.02 ADMINISTRATIVE REQUIREMENTS

A. Coordination:

1. Coordinate work with other installers to provide conduits necessary for installation of wiring including but not limited to:
   a. ~~**Elevator equipment devices remote from elevator machine room or hoistway.**~~ ***Elevator controller and equipment locations.***
   b. Elevator pit for sump pump.
   c. Automatic transfer switch from controller cabinet.
   d. Fire alarm panel from controller cabinet.
2. Coordinate work with other installers for equipment provisions necessary for proper elevator operation, including but not limited to, the following:
   a. Shunt trip devices for automatic disconnection of elevator power prior to fire suppression system activation.

B. Preinstallation Meeting: Convene meeting at least one week prior to start of construction of the pit and shaft.

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

C. Construction Use of Elevator: Not permitted.

D. Coordinate with card reader, wiring, controller interface and programming in Division 28.

E. Coordinate the equipment-access door, clear working space, pit lighting and receptacles, ventilation, hoisting beam and structural rail supports with ~~**Otis's**~~ ***manufacturer's*** approved layout.

1.03 SUBMITTALS

A. See Section 01 30 00 - Administrative Requirements for submittal procedures.

B. Product Data: Submit data on following items:

1. Signal and operating fixtures, operating panels, and indicators.
2. Car design, dimensions, layout, and components.
3. Car and hoistway door and frame details.
4. Electrical characteristics and connection requirements.
5. Include the actual car-operating panel showing the card-reader location and all available architectural finishes.

C. Shop Drawings: Include appropriate plans, elevations, sections, diagrams, and details on following items:

1. Elevator Equipment and Machines: Size and location of driving machines, power units, controllers, governors, and other components.
2. Hoistway Components: Size and location of car guide rails, buffers, jack unit and other components.
3. Rail bracket spacing; maximum loads imposed on guide rails requiring load transfer to building structural framing.
4. Loads on hoisting beams.
5. Clearances and over-travel of car.
6. Locations in hoistway of traveling cables and connections for car lighting and telephone.
7. Location and sizes of hoistway and car doors and frames.
8. Calculated heat dissipation of elevator equipment located in the hoistway.
9. Electrical characteristics and connection requirements.

10. Indicate arrangement of elevator equipment and allow for clear passage of equipment through access openings.
11. Final layout to identify the hydraulic equipment, controller, access door, all structural reactions, power requirements, pit and overhead clearances, and the electrical and access-control interfaces.

D. Samples: Submit samples illustrating car interior finishes, car and hoistway door and frame finishes, and handrail material and finish in the form of cut sheets or finish color selection brochures.

E. Installer's Qualification Statement.

F. Testing Agency's Qualification Statement.

G. Operation and Maintenance Data:
1. Parts catalog with complete list of equipment replacement parts; identify each entry with equipment description and identifying code.
2. Operation and maintenance manual.
3. Schematic drawings of equipment and hydraulic piping, and wiring diagrams of installed electrical equipment with list of corresponding symbols to identify markings on hoistway apparatus.
4. Diagnostic Tools
   a. Prior to seeking final acceptance for the completed project as specified by the Contract Documents, the Elevator Contractor shall deliver to the Owner any specialized tool(s) that may be required to perform diagnostic evaluations, adjustments, and/or parametric software changes and/or test and inspections on any piece of control or monitoring equipment installed.
   b. This shall include any specialized tool(s) required for monitoring, inspection and/or maintenance where the means of suspension other than conventional wire ropes are furnished and installed by the Elevator Contractor.
   c. Any and all such tool(s) shall become property of the Owner. Any diagnostic tool provided to the Owner by the Elevator Contractor shall be configured to perform all levels of diagnostics, systems adjustment and parametric software changes which are available to the Elevator Contractor.
   d. In those cases where diagnostic tools provided to the Owner require periodic recalibration/or re-initiation, the Elevator Contractor shall perform such tasks at no additional cost to the Owner for a period equal to the term of the maintenance agreement from the date of final acceptance of the competed project During those intervals in which the Owner might find it necessary to surrender a diagnostic tool for re-calibration, re-initiation, or repair, the Elevator Contractor shall provide a temporary replacement for the tool at no additional cost to the Owner.
   e. The Elevator Contractor shall deliver to the Owner, printed instructions for the proper use of any tool that may be necessary to perform diagnostic evaluations, system adjustment, and/or parametric software changes on any unit of microprocessor-based elevator control equipment and means of suspension other than standard elevator steel cables furnished and install by the Elevator Contractor. Accompanying the printed instructions shall be any and all access codes, password, or other proprietary information that is necessary to interface with the microprocessor-control equipment.
   f. Accompanying the printed instructions shall be any and all access codes, password, or other proprietary information that is necessary to interface with the microprocessor-control equipment.

1.04 QUALITY ASSURANCE

A. Maintain one copy of each quality standard document on site.

B. Manufacturer Qualifications: Company specializing in manufacturing the products specified in this section with minimum ten years documented experience.

C. Installer Qualifications: Company specializing in performing the work of this section and approved by elevator equipment manufacturer.

D. Testing Agency Qualifications: Independent firm specializing in performing testing and inspections of type specified in this section.

E. Comply with Indiana Elevator Safety code, 675 IAC 21, and applicable amendments.

PART 2 PRODUCTS

2.01 MANUFACTURERS

A. ~~**Machine-less and Holeless Elevators**~~ ***Machine-Room-Less, Holeless Hydraulic Elevators***

1. Otis Elevator Company; Hydrofit: www.otis.com.
2. TK Elevator; Endura MRL: www.tkelevator.com.

2.02 HYDRAULIC MACHINE-LESS ROOM ELEVATORS

A. Hydraulic Machineroom-less Service Elevator, Front Access 5000 LB AIA:

1. Hydraulic Elevator Equipment:
   a. Holeless hydraulic with cylinder mounted within hoistway.
2. Drive System: ~~**Standard HydroFit hydraulic drive and control system.**~~ ***Hydraulic drive and control system furnished by the approved elevator manufacturer.***
3. Operation Control Type:
   a. Single Automatic (Push Button) Operation Control.
4. Service Control Type:
   a. Standard service control.
5. Minimum Interior Car Height: 88 inch (2235.2 mm).
6. Power characteristics: As indicated on electrical drawings and confirmed by ~~**Otis**~~ ***approved elevator manufacturer, 480V,*** three-phase, 60 Hz.
7. Rated Net Capacity: 5000 pounds (~~**2041.2 kgs**~~ ***2268kg***).
8. Rated Speed: ~~**125**~~ ***100*** feet per minute (~~**38.1 m per second**~~ ***0.508 m/s***).
9. Hoistway size: As indicated on drawings; Otis published non-seismic minimum for the 5,000-pound AIA front-opening car is 7'-11" W × 10'-8" D."
10. Interior Car Platform Size: Nominal Clear Interior Car Dimensions: 5'-6 13/16" W × 8'-11 3/8" D; coordinate final dimensions with approved Otis drawings and selected finishes.
11. Door size: 4'-0" x 7'-0" (1066.8 mm x 1371.6 mm) two-speed side-opening doors, or as indicated on approved drawings.
12. Pit depth: As indicated on drawings and approved Otis layout. Published minimum is 4'-0"; 5'-0" where required by travel or jurisdiction.
13. Minimum Clear Overhead to Hoisting Beam: As indicated on drawings and in the approved Otis layout. For preliminary coordination, a 125 fpm, two-stage system with a 7'-9" cab requires 12'-10" of clear overhead to the hoisting beam. If a 9'-9" cab is selected, the corresponding published dimension is 14'-10". Final requirements shall be based on the selected hydraulic stage arrangement, cab height and travel.
14. Travel Distance: As indicated on drawings.
15. Number of Stops: As indicated on drawings.

2.03 COMPONENTS

A. Elevator Equipment:

1. Motors, Hydraulic Equipment, Controllers, Controls, Buttons, Wiring, Devices, and Indicators: Comply with NFPA 70; see Section 26 05 83.
2. Guide Rails, Cables, Buffers, Attachment Brackets and Anchors: Design criteria for components includes safety factors in accordance with applicable requirements of Elevator Code, ASME A17.1.
3. Buffers:
   a. Spring type for elevators with speed less than or equal to 200 fpm (1 m/sec).
4. Lubrication Equipment:
   a. Provide grease fittings for periodic lubrication of bearings.
   b. Grease Cups: Automatic feed type.
   c. Lubrication Points: Visible and easily accessible.

B. Electrical Equipment:

1. Motors: NEMA MG 1.

2. Boxes, Conduit, Wiring, and Devices: As required by NFPA 70; see Sections 26 05 33.13 and 26 05 83.
3. Spare Conductors: Provide ten percent in extra conductors and two pairs of shielded audio cables in traveling cables.
4. Include wiring and connections to elevator devices remote from hoistway ~~**and between elevator machine room. Provide additional components and wiring to suit machine room layout**~~. See Section 26 05 83.

C. Miscellaneous Equipment:
1. Provide pit ladder.

2.04 PERFORMANCE REQUIREMENTS

A. Regulatory Requirements: Comply with ASME A17.1, applicable local codes, and authorities having jurisdiction (AHJ).
B. Accessibility Requirements: Comply with ADA Standards and applicable local codes.
C. Perform structural steel design, fabrication, and installation in accordance with AISC 360.
D. Comply with seismic design requirements in accordance with ASME A17.1, applicable local codes, and authorities having jurisdiction (AHJ).
1. ~~**Complying with Elevator Safety Requirements for Seismic Risk Zone in accordance with ASME A17.1, ASCE 7 and other related requirements.**~~
2. ~~**Provide earthquake emergency operations in accordance with ASME A17.1 requirements.**~~
E. Perform welding of steel in accordance with AWS D1.1/D1.1M.
F. Fabricate and install door and frame assemblies in accordance with NFPA 80 and in compliance with requirements of authorities having jurisdiction.
G. Perform electrical work in accordance with NFPA 70.

2.05 OPERATION CONTROLS

A. Elevator Controls: Provide landing operating panels and landing indicator panels.
1. Landing Operating Panels: Metallic type, one for originating "Up" and one for originating "Down" calls, one button only at terminating landings; with illuminating indicators.
2. Landing Indicator Panels: Illuminating.
3. Comply with ADA Standards and applicable local codes for elevator controls.
B. Interconnect elevator control system with building security, fire alarm, card access, smoke alarm, and building management control systems.
C. Door Operation Controls:
1. Program door control to open doors automatically when car arrives at floor landing.
2. ~~**Render "Door Close" button inoperative when car is standing at dispatch landing with doors open.**~~
3. Door Safety Devices: Moveable, retractable safety edges, quiet in operation; equipped with photo-electric light rays.
D. Provide "Firefighter's Emergency Operation" in accordance with ASME A17.1, applicable building codes, authorities having jurisdiction (AHJ), and applicable local codes.
1. Designated Landing: ~~**Main Lobby**~~ ***Passage 1001***.

2.06 OPERATION CONTROL TYPE

A. Single Automatic (Push Button) Operation Control: Applies to car in single elevator shaft.
1. Refer to description provided in ASME A17.1.
2. Set system operation so that momentary pressure of landing button dispatches car from other landing to that landing.
3. Allow call registered by momentary pressure of landing button at any time to remain registered until car stops in response to that landing call.
4. If elevator car door is not opened within predetermined period of time after car has stopped at terminal landing allow car to respond to call registered from other landing.

2.07 SERVICE CONTROL TYPE

A. ***Provide standard single-elevator automatic operation with independent service, inspection operation, and firefighter's emergency operation in accordance with ASME A17.1 and applicable code requirements.***

B. ***Where card-reader access control is indicated on the Drawings, provide elevator controller interfaces and necessary provisions for integration with the building access-control system specified in Division 28.***

C. ***Coordinate access-control functions, authorized-floor access, wiring, programming, and system interfaces with the Owner and Division 28.***

D. ***Firefighter's emergency operation shall override normal operation and security access restrictions as required by applicable codes.***

E. ~~**Restricted Access Service Control:**~~

1. ~~**Program down traveling cars to stop at main floor landing prior to proceeding to a designated lower dispatch landing.**~~
2. ~~**Program up traveling cars to stop at main floor landing prior to proceeding to a designated higher dispatch landing.**~~
3. ~~**Do not stop a down traveling car with a registered car button call for landing below the lower dispatch landing, unless the call in that car or a down button call at lower dispatch landing is in registration.**~~
4. ~~**Answer a landing button call registered at a landing below the primary dispatch landing by either an approaching down traveling car or an unselected car at the primary dispatch landing.**~~
5. ~~**If, within a predetermined period of time after a car responds to a down landing call at the primary dispatch landing, no call is registered in that car for down travel, or at a landing below, close the doors, turn off the landing lantern, and dispatch an available car.**~~
6. ~~**Do not stop a car at the primary dispatch landing when traveling up from a landing below the primary dispatch landing, with one or more car button calls in registration for service above a lower dispatch landing, unless a call for that landing is registered in that car or no other car is available at a lower dispatch landing.**~~
7. ~~**Reverse cars automatically to the lowest registered car call or to an up landing call when responding to calls below the lowest dispatch landing.**~~
8. ~~**Keyed Lobby Lock-out: Provide a magnetic card in the lobby call button panel that performs the following when activated:**~~
9. ~~**Cancels registered car calls.**~~
10. ~~**When activated, no new car calls will be registered, except at landing where lock-out feature is located.**~~
11. ~~**Restricts car calls registered to specific floors only, except the main access floor and those floors enabled by lock-out switches.**~~
12. ~~**Landing calls are answered in normal manner.**~~
13. ~~**Keyed Lobby Lock-out: Provide a key-operated switch in the lobby call button panel that performs the following when activated:**~~
    a. ~~**Cancels registered car calls.**~~
    b. ~~**When activated, no new car calls will be registered, except at landing where lock-out feature is located.**~~
    c. ~~**Restricts car calls registered to specific floors only, except the main access floor and those floors enabled by lock-out switches.**~~
    d. ~~**Landing calls are answered in normal manner.**~~
14. ~~**Car Call Security Lock-out: Provide a security card-activated switch in car operating panel that performs the following when activated:**~~
    a. ~~**Restricts or permits registration of each landing button.**~~
    b. ~~**Landing calls are answered in normal manner.**~~

15. ~~**Landing Call Lock-out: Provide a key-operated switch with key removable from "On" or "Off" position in landing control station that performs the following when activated:**~~
    a. ~~**Restricts or permits landing call registration for that landing.**~~
    b. ~~**Causes the elevator to not respond to that landing.**~~
16. ~~**Allow "Firefighter's Emergency Operation" to take control priority over "Restricted Access Service Control".**~~

2.08 MATERIALS

A. Rolled Steel Sections, Shapes, Rods: ASTM A36/A36M.
B. Steel Sheet: ASTM A1008/A1008M, Designation CS (commercial steel), with matte finish.
C. Sheet Steel: Hot-dipped galvanized steel sheet, ASTM A653/A653M, with G90/Z275 coating.
D. Stainless Steel Sheet: ASTM A666/A666M, Type 304; No. 4 Brushed finish unless otherwise indicated.
E. Stainless Steel Bars, Shapes and Moldings: ASTM A276/A276M, Type 304.
F. ~~**Extruded Brass Shapes: ASTM B455/B455M, Copper Alloy UNS C38500, Architectural Bronze, 57 percent copper, polished finish.**~~
G. ~~**Seamless Brass Tubes: ASTM B135/B135M, Copper Alloy UNS C22000, Commercial Bronze, 90 percent copper, polished finish.**~~
H. ~~**Brass Sheet: ASTM B36/B36M, Copper Alloy UNS C38500, Architectural Bronze, 57 percent copper.**~~
I. Extruded Aluminum: ASTM B221 (ASTM B221M), natural anodized finish unless otherwise indicated.
J. ~~**Plywood: PS 1, Structural I, Grade C-D or better, sanded.**~~
K. ~~**Solid Wood:**~~
    1. ~~**Species: See Interior Material Finish/Color Schedule on the Drawings.**~~
L. ~~**Tempered Glass: 3/8 inch (9.5 mm) minimum thickness, fully tempered in compliance with ASME A17.1, 16 CFR 1201, ANSI Z97.1, and ASTM C1048 tempered glass requirements.**~~
M. ~~**Plastic Laminate: NEMA LD 3, Type HGS, color as selected by Architect from manufacturer's standard line of colors.**~~
N. ~~**Plastic Laminate: NEMA LD 3, Type HGS, Color:**~~
    1. ~~**See Interior Material Finish/Color Schedule on the Drawings.**~~

2.09 CAR AND HOISTWAY ENTRANCES

A. Elevator:
    1. Car and Hoistway Entrances, Main Elevator Lobby:
        a. ~~**Framed Opening Finish and Material: Alkyd enamel on steel.**~~
        b. Framed Opening Finish and Material: Brushed stainless steel.
        c. ~~**Car Door Material: Powder coat on steel, with rigid sandwich panel construction.**~~
        d. Car Door Material: Stainless steel, with rigid sandwich panel construction.
        e. ~~**Hoistway Door Material: Powder coat on steel, with rigid sandwich panel construction.**~~
        f. Hoistway Door Material: Stainless steel, with rigid sandwich panel construction.
        g. Door Operation: Side opening, two speed.
        h. Sills: Extruded aluminum.
B. Sills/Thresholds: Configure to align with frame return and coordinate with floor finish.
C. Gasketing: Provide acoustic type gasketing at hoistway doors and frames to eliminate audible noise due to car activities in the hoistway, and air pressure differential between hoistway and landing floors.

2.10 CAR EQUIPMENT AND MATERIALS

A. Elevator Car, Passenger:
    1. Car Operating Panel: Provide main and auxiliary; flush-mounted applied face plate, with illuminated call buttons corresponding to floors served with "Door Open/Door Close" buttons, "Door Open" button, "Door Close" button, and alarm button.
        a. Panel Material: Integral with front return; one per car.
        b. Car Floor Position Indicator: Above door with illuminating position indicators.

c. Locate alarm button where it is unlikely to be accidentally actuated; not more than 54 inch (1.372 m) above car finished floor.
d. Provide matching service cabinet integral with front return panel, with hinged door and keyed lock in each car.
e. Provide convenience outlet receptacle; 110VAC, 15 amps, locate below service cabinet.

2. Ventilation: ~~**Single speed fan with grille in ceiling.**~~ ***Manufacturer's standard mechanical ventilation fan with grille integrated into ceiling assembly.***
3. Wall Base: Recessed stainless steel, 4 inch (102 mm) high.
4. Front Return Panel: Match material of car door.
5. Wall Panels:
   a. Door Wall: Plastic laminate on plywood.
      1) Brushed Stainless steel.
      2) ~~**Baked enamel on steel.**~~
      3) ~~**Power coated steel.**~~
      4) ~~**Plastic laminate on plywood.**~~
   b. Side Walls:
      1) Brushed Stainless steel.
      2) ~~**Baked enamel on steel.**~~
      3) ~~**Power coated steel.**~~
      4) ~~**Plastic laminate on plywood.**~~
      5) ~~**Tempered Glass at Side Wall: Provide glazing full height with hand rail.**~~
   c. Rear Wall:
      1) Brushed Stainless steel.
      2) ~~**Baked enamel on steel.**~~
      3) ~~**Power coated steel.**~~
      4) ~~**Plastic laminate on plywood.**~~
      5) ~~**Tempered Glass at Rear Wall: Provide glazing full height with hand rail.**~~
6. Hand or Bumper Rail: Stainless steel, at three side walls at single door cab and two sides at two door cab. Provide open clearance space 1-1/2 inch (38 mm) wide to face of wall.
   a. Flat Bar Stock, Solid: 3/8 inch thick by 4 inch high (9.525 mm thick by 101.6 mm high).
      1) Stainless Steel Finish: No. 4 Brushed.
   b. ~~**Round, Metal Tube: 1-1/2 inch (38 mm) diameter.**~~
   c. ~~**Stainless Steel Finish: No. 4 Brushed.**~~
7. ~~**Hand or Bumper Rail: Brass (Architectural bronze), at three side walls at single door cab and two sides at two door cab. Provide open clearance space 1-1/2 inch (38 mm) wide to face of wall.**~~
   a. ~~**Flat Bar Stock, Solid: 3/8 inch thick by 4 inch high (9.525 mm thick by 101.6 mm high).**~~
      1) ~~**Brass Finish: Natural lacquered.**~~
   b. ~~**Round, Metal Tube: 1-1/2 inch (38 mm) diameter.**~~
      1) ~~**Brass Finish: Natural lacquered.**~~
8. ~~**Hand or Bumper Rail: Wood, at three side walls at single door cab and two sides at two door cab. Provide open clearance space 1-1/2 inch (38 mm) wide to face of wall.**~~
   a. ~~**Round, Wood: 1-1/2 inch (38 mm) diameter.**~~
9. Ceiling:
   a. ***Stainless steel ceiling assembly with integrated LED downlights. Provide manufacturer's standard removable or accessible ceiling panels as required for maintenance.***
   b. ~~**Canopy Ceiling: Plastic eggerate diffuser.**~~
   c. ~~**Canopy Ceiling: Plastic laminate on plywood.**~~
   d. ~~**Canopy Ceiling: Stainless steel.**~~
   e. ~~**Canopy Ceiling: Translucent plastic panel.**~~

f. ~~**Exposed Frame Suspended Ceiling: Plastic eggcrate diffuser, mount 7 inch (178 mm) below car canopy with 1-1/2 inch (38 mm) nominal space between edge of ceiling and wall.**~~

g. Lighting: LED downlights.

10. Provide emergency access panel for egress from car at ceiling.

11. ***Flooring: LVT as indicated on Architectural Finish Schedule. Coordinate floor recess, thickness and transitions with specified finish material.***

B. ~~**Wall Panels:**~~

1. ~~**Door Wall:**~~
   a. ~~**Brushed Stainless steel.**~~
   b. ~~**Baked enamel on steel.**~~
   c. ~~**Power coated steel.**~~
   d. ~~**Plastic laminate on plywood.**~~
2. ~~**Side Walls:**~~
   a. ~~**Brushed Stainless steel.**~~
   b. ~~**Baked enamel on steel.**~~
   c. ~~**Power coated steel.**~~
   d. ~~**Plastic laminate on plywood.**~~
   e. ~~**Tempered Glass at Side Wall: Provide glazing full height with hand rail.**~~
3. ~~**Rear Wall:**~~
   a. ~~**Brushed Stainless steel.**~~
   b. ~~**Baked enamel on steel.**~~
   c. ~~**Power coated steel.**~~
4. ~~**Plastic laminate on plywood.**~~
   a. ~~**Tempered Glass at Rear Wall: Provide glazing full height with hand rail.**~~

C. ~~**Hand or Bumper Rail: Stainless steel, at three side walls at single door cab and two sides at two door cab. Provide open clearance space 1-1/2 inch (38 mm) wide to face of wall.**~~

1. ~~**Flat Bar Stock, Solid: 3/8 inch thick by 4 inch high (9.525 mm thick by 101.6 mm high).**~~
   a. ~~**Stainless Steel Finish: No. 4 Brushed.**~~
2. ~~**Round, Metal Tube: 1-1/2 inch (38 mm) diameter.**~~
   a. ~~**Stainless Steel Finish: No. 4 Brushed.**~~

D. ~~**Hand or Bumper Rail: Brass (Architectural bronze), at three side walls at single door cab and two sides at two door cab. Provide open clearance space 1-1/2 inch (38 mm) wide to face of wall.**~~

1. ~~**Flat Bar Stock, Solid: 3/8 inch thick by 4 inch high (9.525 mm thick by 101.6 mm high).**~~
   a. ~~**Brass Finish: Natural lacquered.**~~
2. ~~**Round, Metal Tube: 1-1/2 inch (38 mm) diameter.**~~
   a. ~~**Brass Finish: Natural lacquered.**~~

E. ~~**Hand or Bumper Rail: Wood, at three side walls at single door cab and two sides at two door cab. Provide open clearance space 1-1/2 inch (38 mm) wide to face of wall.**~~

1. ~~**Round, Wood: 1-1/2 inch (38 mm) diameter.**~~

F. ~~**Ceiling:**~~

1. ~~**Canopy Ceiling: Plastic eggcrate diffuser.**~~
2. ~~**Canopy Ceiling: Plastic laminate on plywood.**~~
3. ~~**Canopy Ceiling: Stainless steel.**~~
4. ~~**Canopy Ceiling: Translucent plastic panel.**~~
5. ~~**Exposed Frame Suspended Ceiling: Plastic eggcrate diffuser, mount 7 inch (178 mm) below car canopy with 1-1/2 inch (38 mm) nominal space between edge of ceiling and wall.**~~
6. ~~**Lighting: LED downlights.**~~

G. ~~**Provide emergency access panel for egress from car at ceiling when required by code.**~~

2.11 CAR ACCESSORIES

A. Certificate Frame: Stainless steel frame glazed with tempered glass, and attached with tamper-proof screws.

B. Protective Pads: Canvas cover, padded with impact-resistant fill material, sewn with piping edges; fire resistant in compliance with ASME A17.1; brass grommets for supports, covering side and rear walls and front return, with cut-out for control panel; provide one set for each elevator.

1. Color: ~~Tan.~~ ***Gray***
2. Provide at least 4 inch (102 mm) clearance from bottom of pad to finished floor.
3. Pad Supports: Stainless steel studs, and mounted from ceiling frame.

2.12 ~~MACHINE ROOM FITTINGS~~

A. ~~**Wall-Mounted Frames: Glazed with clear plastic; sized as required. Provide one chart each for master electric and hydraulic schematic and for lubrication chart. Install charts.**~~

B. ~~**Key Cabinet: Wall-mounted, lockable, keyed to building keying system, for control and operating panel keys.**~~

1. ~~**Provide two key cabinet keys.**~~
2. ~~**Provide two control/operating panel keys.**~~
3. ~~**Provide two card access keys.**~~

C. ~~**Monitoring Device Interface:**~~

1. ~~**Fabricate one multiple terminal block in controller relay panel or selector, in location indicated, for connection of monitoring devices for:**~~
   a. ~~**Landing and car registration circuits.**~~
   b. ~~**Motor generator running circuits.**~~
   c. ~~**Load weighing circuits.**~~
   d. ~~**Up and down peak programming circuits.**~~
   e. ~~**Independent service switches.**~~

2.13 ~~FINISHES~~

A. ~~**Finish for Wood Surfaces: Stain color as selected by Architect and water based polyurethane varnish.**~~

B. ~~**Finish for Wood Surfaces: Stain and water based polyurethane varnish.**~~

1. ~~**Stain Color: See Interior Material Finish/Color Schedule on the Drawings.**~~

C. ~~**Powder Coat on Steel: Clean and degrease metal surface; apply one coat of primer; two coats of powder coat.**~~

D. ~~**Baked Enamel on Steel: Clean and degrease metal surface; apply one coat of primer sprayed and baked; two coats of enamel sprayed and baked.**~~

E. ~~**Finish Paint for Metal Surfaces: Alkyd enamel, semi-gloss, color as selected, complying with VOC limitations of authorities having jurisdiction (AHJ).**~~

PART 3 EXECUTION

3.01 EXAMINATION

A. Verify existing conditions before starting this work.

B. Verify that hoistway and pit are ready for work of this section.

C. Verify hoistway shaft and openings are of correct size and within tolerance.

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

E. Verify that electrical power is available and of correct characteristics.

3.02 INSTALLATION

A. Coordinate this work with installation of hoistway wall construction.

B. Install system components, and connect equipment to building utilities.

C. Provide conduit, electrical boxes, wiring, and accessories; see Sections 26 05 33.13 and 26 05 83.

D. Install hydraulic piping between cylinder and pump unit.

E. Mount machines, motors, and pumps on vibration and acoustic isolators.

1. Place on structural supports and bearing plates.

2. Securely fasten to building supports.
3. Prevent lateral displacement.

F. Install hoistway, elevator equipment, and components in accordance with approved shop drawings.
G. Install guide rails to allow for thermal expansion and contraction movement of guide rails.
H. Accurately machine and align guide rails, forming smooth joints with machined splice plates.
I. Bolt or weld brackets directly to structural steel hoistway framing.
J. Bolt brackets to self drilling expansion shell anchors.
K. Field Welds: Chip and clean away oxidation and residue with wire brush; spot prime surface with two coats.
L. Install hoistway door sills, frames, and headers in hoistway walls; grout sills in place, set hoistway floor entrances in alignment with car openings, and align plumb with hoistway.
M. Fill hoistway door frames solid with grout; see Section 04 20 00.
N. Structural Metal Surfaces: Clean surfaces of rust, oil or grease; wipe clean with solvent; prime two coats.
O. Wood Surfaces not Exposed to Public View: Finish with one coat primer; one coat enamel.
P. Adjust equipment for smooth and quiet operation.

3.03 TOLERANCES

A. Guide Rail Alignment: Plumb and parallel to each other in accordance with ASME A17.1 and ASME A17.2.
B. Car Movement on Aligned Guide Rails: Smooth movement, without any objectionable lateral or oscillating movement or vibration.

3.04 FIELD QUALITY CONTROL

A. ~~**Testing and inspection by regulatory agencies certified in accordance with ASME QEI 1 will be performed at their discretion.**~~ ***Testing and Inspection: Elevator Contractor shall coordinate, schedule, and perform all required acceptance tests and inspections in accordance with ASME A17.1, applicable Indiana elevator safety regulations, and requirements of authorities having jurisdiction.***
1. Schedule tests with agencies and notify Owner and Architect.
2. Obtain permits as required to perform tests.
3. Document regulatory agency tests and inspections in accordance with requirements.
4. Perform tests required by regulatory agencies.
5. Furnish test and approval certificates issued by authorities having jurisdiction.

3.05 ADJUSTING

A. Adjust for smooth acceleration and deceleration of car to minimize passenger discomfort.
B. Adjust with automatic floor leveling feature at each floor landing to reach 1/4 inch (6.4 mm) maximum from flush with sill.

3.06 CLEANING

A. Remove protective coverings from finished surfaces.
B. Clean surfaces and components in accordance with manufacturers written instructions.

3.07 CLOSEOUT ACTIVITIES

A. See Section 01 77 00 Contract Closeout.
B. See Section 01 79 00 - Demonstration and Training for additional requirements.
C. Demonstrate proper operation of equipment to Owner's designated representative.
D. Training: Train Owner's personnel on cleaning and operation and maintenance of system.
1. Use operation and maintenance manual as training reference, supplemented with additional training materials as required.
2. Provide minimum of two hours of training.
3. Instructor: Manufacturer's training personnel.

3.08 PROTECTION

A. Do not permit construction traffic within car after cleaning.
B. Protect installed products until Date of Substantial Completion.
C. Touch-up, repair, or replace damaged products and materials prior to Date of Substantial Completion.

3.09 MAINTENANCE

A. Provide Initial Maintenance Contract of elevator system and components in accordance with ASME A17.1 and requirements as indicated for 12 months from Date of Substantial Completion.

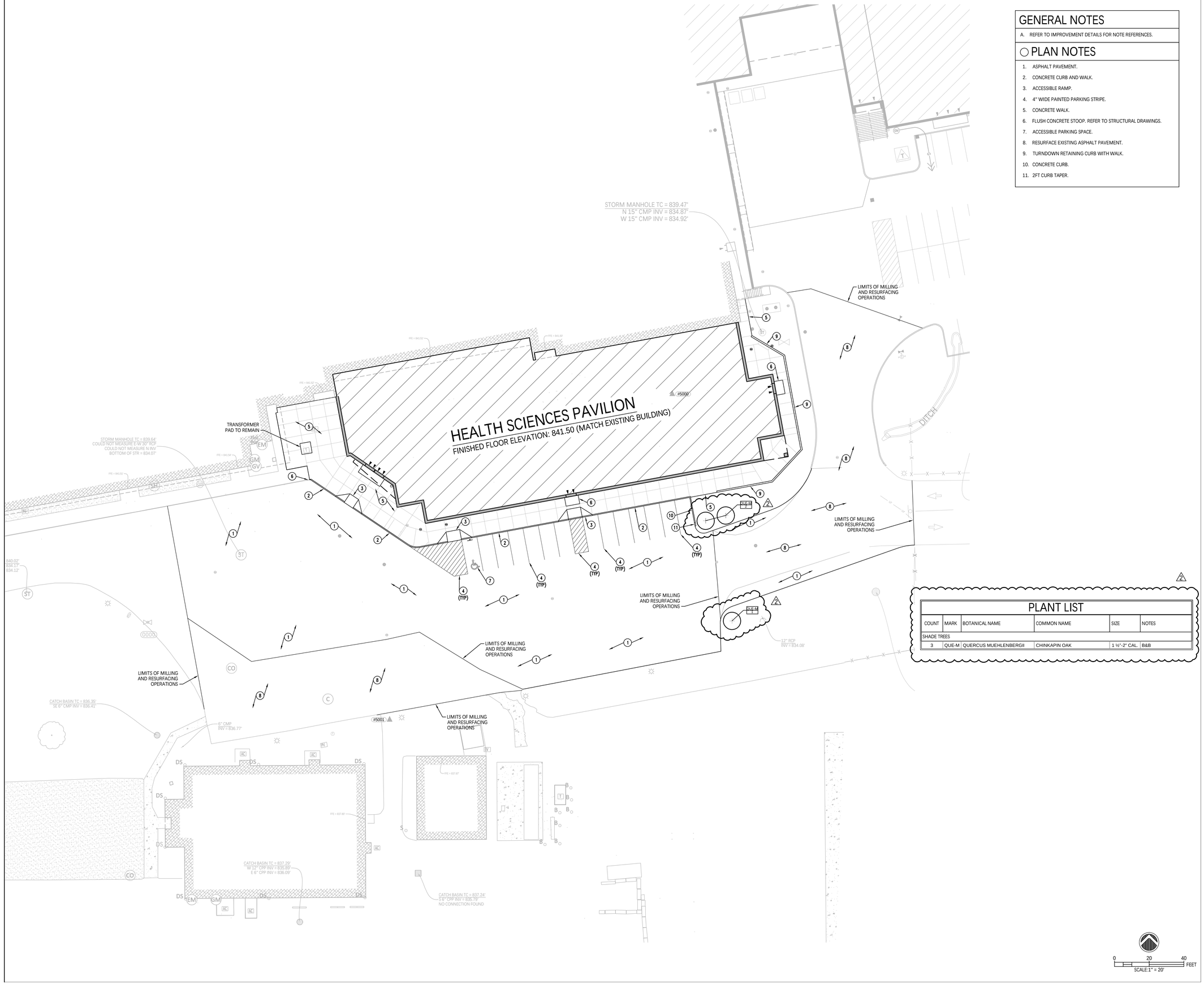
B. Perform maintenance contract services using competent and qualified personnel under the supervision and direct employ of the elevator manufacturer or original installer.

C. Include systematic examination, adjustment, and lubrication of elevator equipment.

D. Perform work without removing cars from use during peak traffic periods.

E. Provide emergency call back service for 24 hours a day/7 days a week throughout period of this maintenance contract.

END OF SECTION 14 24 00



GENERAL NOTES

A. REFER TO IMPROVEMENT DETAILS FOR NOTE REFERENCES.

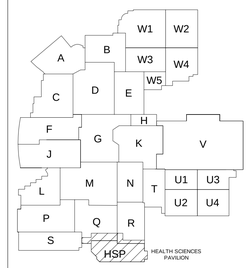
○ PLAN NOTES

1. ASPHALT PAVEMENT.
2. CONCRETE CURB AND WALK.
3. ACCESSIBLE RAMP.
4. 4" WIDE PAINTED PARKING STRIPE.
5. CONCRETE WALK.
6. FLUSH CONCRETE STOOP. REFER TO STRUCTURAL DRAWINGS.
7. ACCESSIBLE PARKING SPACE.
8. RESURFACE EXISTING ASPHALT PAVEMENT.
9. TURNDOWN RETAINING CURB WITH WALK.
10. CONCRETE CURB.
11. 2FT CURB TAPER.

PLANT LIST

COUNT	MARK	BOTANICAL NAME	COMMON NAME	SIZE	NOTES
SHADE TREES					
3	QUE-M	QUERCUS MUEHLENBERGII	CHINKAPIN OAK	1 ½"-2" CAL.	B&B

#	Date	Description
1	16 OCT 2026	ADDENDUM #1
2	27 OCT 2026	ADDENDUM #2



PROJECT NORTH

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Project Name:

FRANKLIN CENTRAL HIGH SCHOOL
HEALTH SCIENCES PAVILION

Drawing Title:

SITE IMPROVEMENT PLAN

NICHOLAS BIJAN VEGHTE
REGISTERED
No.
PE11500269
STATE OF INDIANA
PROFESSIONAL ENGINEER

Client Project No: #########
VPS Project No: Project Number
Project Issue Date: MAR, 2026
Drawing No: C250

Nicholas Bijan Vegtte

JPS Consulting Engineers - K:\Civil Projects\2026\26JPSC03 Franklin Central HS - Lilly Pavilion\Drawings\C250.dwg October 15, 2026 - 3:26 PM Nvegatos

FINISH PLAN GENERAL NOTES

1. REFER TO INTERIOR MATERIAL FINISH / COLOR SCHEDULE FOR SPECIFIC FINISH TYPES, COLORS, AND INSTALL INFORMATION.
2. FINISH APPLIES TO ENTIRE ROOM OR AREA; WHERE **MULTIPLE** FINISHES ARE NOTED, SEE INTERIOR ELEVATIONS AND/OR FINISH PLAN NOTES AND KEYNOTES FOR APPLICATION.
3. DISCREPANCIES BETWEEN THE ROOM FINISH PLANS AND OTHER DRAWINGS SHALL BE REPORTED TO THE ARCHITECT FOR FINISH DETERMINATION.
4. ON WALLS COVERED WITH MILLWORK, A FINISH SHALL NOT BE APPLIED TO THE WALL BEHIND. CONCRETE BLOCK BEHIND MILLWORK AND MARKERBOARDS TO BE TOOLED.
5. NOT USED
6. ALL DOOR FRAMES PT-2, UNO.
7. ALL GYPSUM BOARD CEILINGS PT-6, UNO ON RCP.
8. PROVIDE RESILIENT REDUCER AT INTERIOR FLOORING CHANGES DISSIMILAR IN HEIGHT, UNO.
9. AT FLOORING TRANSITIONS FOR RESINOUS EPOXY, KEY IN FINISHED EDGE.
10. PROVIDE CORNER GUARDS AT ALL OUTSIDE GYPSUM BOARD CORNERS, SEE FINISH PLAN.

WALL FINISH(ES); SEE INTERIOR ELEVATIONS & TYPS FOR MORE INFO

WALL BASE

FLOOR FINISH(ES); SEE FLOOR PATTERN PLANS AND MATERIAL FINISH SCHEDULE

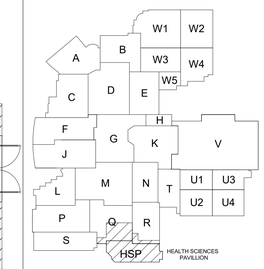
CORNER GUARD, CG. REFER TO MATERIAL FINISH SCHEDULE.

CHAIR RAIL, CR. REFER TO MATERIAL FINISH SCHEDULE.

FINISH FLOOR PLAN NOTES

#	INFORMATION
1	SEE TILE PATTERN 4/A508 FOR TILE PLACEMENT. TILE TO 86" A.F.F. OR LEVEL WITH TOP OF DOOR FRAME WITH PT-6 ABOVE. PROVIDE SCHLUTER QUADEC IN ANODIZED ALUMINUM AT TOP AND OUTSIDE CORNERS OF TILE.
2	PROVIDE CR-1 TO EXTENTS SHOWN AT 4'-0" A.F.F.
3	REFER TO DETAIL 10/A502 FOR DOOR POCKET DESIGN.
4	NOT USED
5	PROVIDE A LEVEL 5 FINISH ON ALL WALLS FOR SPECIFIED FINISH.
6	PROVIDE FULL HEIGHT PORCELAIN TILE WITH SCHLUTER QUADEC IN ANODIZED ALUMINUM AT TOP AND OUTSIDE CORNERS OF TILE AS SPECIFIED. SEE SHEET A506 FOR PATTERN ELEVATION.
7	PAINT FULL EXTENT OF EXISTING SCIENCE ROOM WALL PT-1 WHERE EXTERIOR WINDOWS WERE REMOVED.

#	Date	Description
2	10-28-2026	ADDENDUM 2



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(317) 536-8000

Project Name:

Franklin Central High School Health Sciences Pavilion

Drawing Title:

FIRST FLOOR FINISH PLAN - AREA HSP, Q, R

MARK HEATHER HARBERT
No. 11800215
STATE OF INDIANA
REGISTERED ARCHITECT

Client Project No:	
VPS Project No:	2025019.00
Project Issue Date:	
Drawing No:	A105

1 A105 **FIRST FLOOR FINISH FLOOR PLAN - AREA 'HSP', 'Q', 'R'**
1/8" = 1'-0"

FINISH PLAN GENERAL NOTES

1. REFER TO INTERIOR MATERIAL FINISH / COLOR SCHEDULE FOR SPECIFIC FINISH TYPES, COLORS, AND INSTALL INFORMATION.
2. FINISH APPLIES TO ENTIRE ROOM OR AREA; WHERE **MULTIPLE** FINISHES ARE NOTED, SEE INTERIOR ELEVATIONS AND/OR FINISH PLAN NOTES AND KEYNOTES FOR APPLICATION.
3. DISCREPANCIES BETWEEN THE ROOM FINISH PLANS AND OTHER DRAWINGS SHALL BE REPORTED TO THE ARCHITECT FOR FINISH DETERMINATION.
4. ON WALLS COVERED WITH MILLWORK, A FINISH SHALL NOT BE APPLIED TO THE WALL BEHIND. CONCRETE BLOCK BEHIND MILLWORK AND MARKERBOARDS TO BE TOOLED.
5. NOT USED
6. ALL DOOR FRAMES PT-2, UNO.
7. ALL GYPSUM BOARD CEILINGS PT-6, UNO ON RCP.
8. PROVIDE RESILIENT REDUCER AT INTERIOR FLOORING CHANGES DISSIMILAR IN HEIGHT, UNO.
9. AT FLOORING TRANSITIONS FOR RESINOUS EPOXY, KEY IN FINISHED EDGE.
10. PROVIDE CORNER GUARDS AT ALL OUTSIDE GYPSUM BOARD CORNERS, SEE FINISH PLAN.

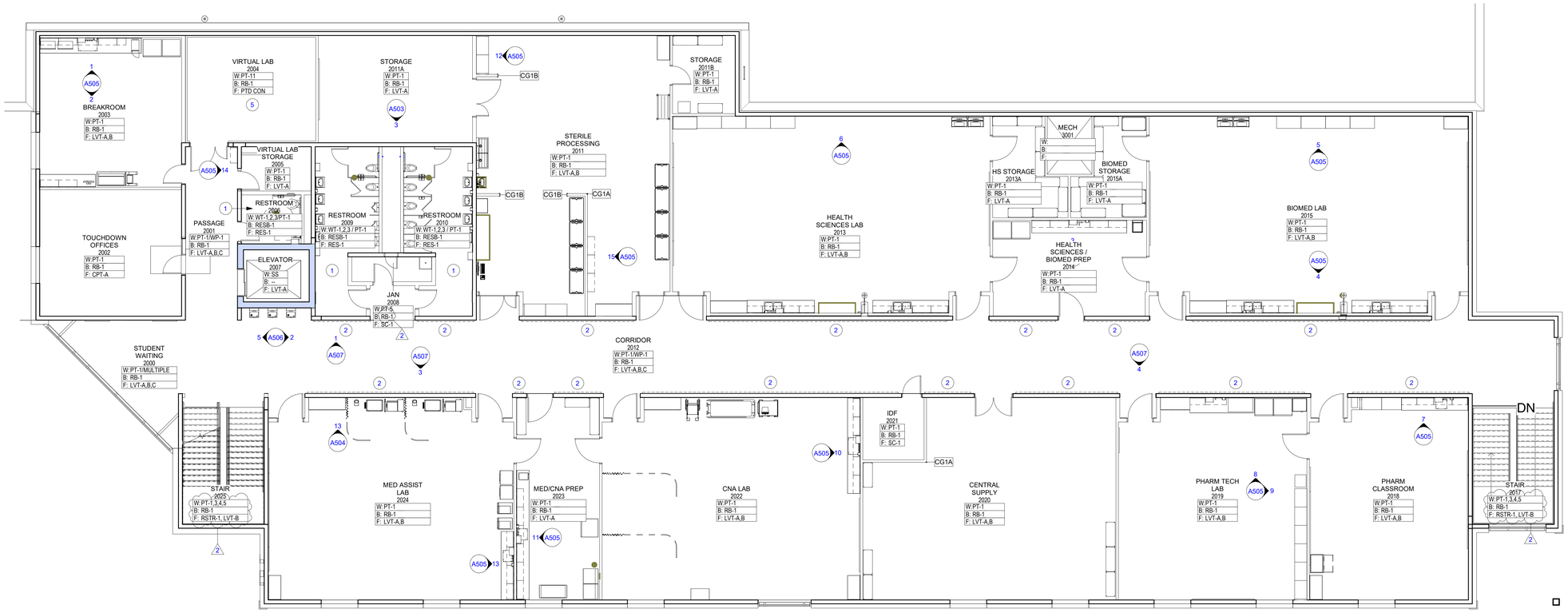
WALL FINISH(ES); SEE INTERIOR ELEVATIONS & TYPS FOR MORE INFO

WALL BASE

FLOOR FINISH(ES); SEE FLOOR PATTERN PLANS AND MATERIAL FINISH SCHEDULE

CORNER GUARD, CG. REFER TO MATERIAL FINISH SCHEDULE.

CHAIR RAIL, CR. REFER TO MATERIAL FINISH SCHEDULE.

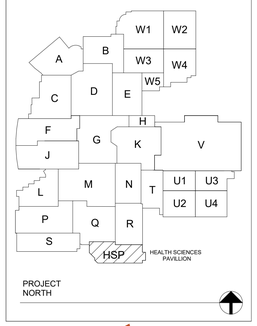


1 A106 **SECOND FLOOR FINISH FLOOR PLAN**
1/8" = 1'-0"

FINISH FLOOR PLAN NOTES

#	INFORMATION
1	SEE TILE PATTERN 4/A508 FOR TILE PLACEMENT. TILE TO 86" A.F.F. OR LEVEL WITH TOP OF DOOR FRAME WITH PT-6 ABOVE. PROVIDE SCHLUTER QUADEC IN ANODIZED ALUMINUM AT TOP AND OUTSIDE CORNERS OF TILE.
2	PROVIDE CR-1 TO EXTENTS SHOWN AT 4'-0" A.F.F.
3	REFER TO DETAIL 10/A502 FOR DOOR POCKET DESIGN.
4	NOT USED
5	PROVIDE A LEVEL 5 FINISH ON ALL WALLS FOR SPECIFIED FINISH.
6	PROVIDE FULL HEIGHT PORCELAIN TILE WITH SCHLUTER QUADEC IN ANODIZED ALUMINUM AT TOP AND OUTSIDE CORNERS OF TILE AS SPECIFIED. SEE SHEET A506 FOR PATTERN ELEVATION.
7	PAINT FULL EXTENT OF EXISTING SCIENCE ROOM WALL PT-1 WHERE EXTERIOR WINDOWS WERE REMOVED.

#	Date	Description
2	10-28-2026	ADDENDUM 2



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Project Name:

Franklin Central High School Health Sciences Pavilion

Drawing Title:

SECOND FLOOR FINISH PLAN - AREA HSP

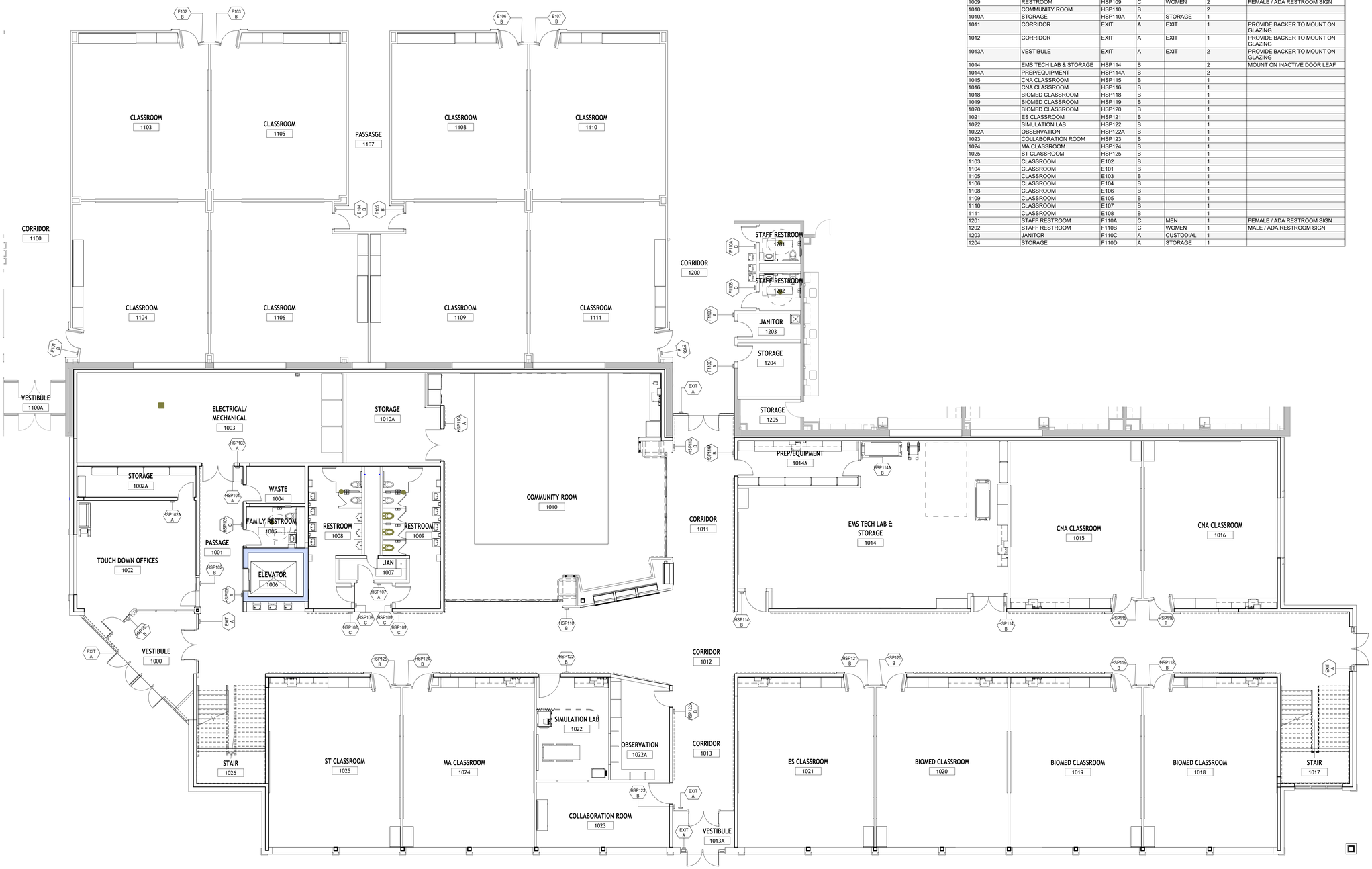
MARY HEATHER HARBERT No. 11800215 STATE OF INDIANA REGISTERED ARCHITECT

Client Project No:

VPS Project No: **2025019.00**

Project Issue Date:

Drawing No: **A106**



1 A107 **FIRST FLOOR SIGNAGE PLAN**
1/8" = 1'-0"

SIGNAGE SCHEDULE

PLAN ROOM NUMBER	PLAN ROOM NAME	SIGN NUMBER	SIGN TYPE	SIGN MESSAGE	QUANTITY	NOTES
1000	VESTIBULE	EXIT	A	EXIT	2	PROVIDE BACKER TO MOUNT ON GLAZING
1002	TOUCH DOWN OFFICES	HSP102	B		2	PROVIDE BACKER TO MOUNT ON GLAZING
1002A	STORAGE	HSP102A	A	STORAGE	1	
1003	ELECTRICAL/MECHANICAL	HSP103	A	ELEC/MECH	1	
1004	WASTE	HSP104	A	WASTE	1	
1005	FAMILY RESTROOM	HSP105	C	FAMILY	1	ADA RESTROOM SIGN
1006	ELEVATOR	HSP106	A	ELEVATOR	1	
1007	JANITOR	HSP107	A	CUSTODIAL	1	
1008	RESTROOM	HSP108	C	MEN	2	MALE / ADA RESTROOM SIGN
1009	RESTROOM	HSP109	C	WOMEN	2	FEMALE / ADA RESTROOM SIGN
1010	COMMUNITY ROOM	HSP110	B		2	
1010A	STORAGE	HSP110A	A	STORAGE	1	
1011	CORRIDOR	EXIT	A	EXIT	1	PROVIDE BACKER TO MOUNT ON GLAZING
1012	CORRIDOR	EXIT	A	EXIT	1	PROVIDE BACKER TO MOUNT ON GLAZING
1013A	VESTIBULE	EXIT	A	EXIT	2	PROVIDE BACKER TO MOUNT ON GLAZING
1014	EMS TECH LAB & STORAGE	HSP114	B		2	MOUNT ON INACTIVE DOOR LEAF
1014A	PREP/EQUIPMENT	HSP114A	B		2	
1015	CNA CLASSROOM	HSP115	B		1	
1016	CNA CLASSROOM	HSP116	B		1	
1018	BIOMED CLASSROOM	HSP118	B		1	
1019	BIOMED CLASSROOM	HSP119	B		1	
1020	BIOMED CLASSROOM	HSP120	B		1	
1021	ES CLASSROOM	HSP121	B		1	
1022	SIMULATION LAB	HSP122	B		1	
1022A	OBSERVATION	HSP122A	B		1	
1023	COLLABORATION ROOM	HSP123	B		1	
1025	ST CLASSROOM	HSP125	B		1	
1103	CLASSROOM	E102	B		1	
1104	CLASSROOM	E101	B		1	
1105	CLASSROOM	E103	B		1	
1106	CLASSROOM	E104	B		1	
1108	CLASSROOM	E106	B		1	
1109	CLASSROOM	E105	B		1	
1110	CLASSROOM	E107	B		1	
1111	CLASSROOM	E108	B		1	
1201	STAFF RESTROOM	F110A	C	MEN	1	FEMALE / ADA RESTROOM SIGN
1202	STAFF RESTROOM	F110B	C	WOMEN	1	MALE / ADA RESTROOM SIGN
1203	JANITOR	F110C	A	CUSTODIAL	1	
1204	STORAGE	F110D	A	STORAGE	1	

GENERAL SIGNAGE NOTES

A. PROVIDE SIGNAGE AS INDICATED ON DRAWINGS AND IN ACCORDANCE WITH PROJECT SPECIFICATIONS.

B. REFER TO SHEET A108 FOR SIGN TYPES AND DETAILS.

C. REFER TO INTERIOR DRAWINGS FOR ADDITIONAL PANEL SIGNAGE MOUNTED ON STANDOFFS.

D. ALL SIGNAGE SHALL COMPLY WITH APPLICABLE ADA ACCESSIBILITY REQUIREMENTS, ICC A117.1, AND LOCAL BUILDING CODES. PROVIDE TACTILE CHARACTERS, GRADE 2 BRAILLE. CONTRASTING COLORS, AND NON-GLARE FINISHES WHERE REQUIRED.

E. MOUNT TACTILE ROOM IDENTIFICATION SIGNS ON THE LATCH SIDE OF DOORS WITH TACTILE CHARACTERS BETWEEN 48 INCHES MINIMUM AND 60 INCHES MAXIMUM ABOVE FINISHED FLOOR. WHERE LATCH-SIDE MOUNTING IS NOT POSSIBLE, LOCATE SIGNAGE IN ACCORDANCE WITH APPLICABLE ACCESSIBILITY REQUIREMENTS AND COORDINATE WITH ARCHITECT PRIOR TO INSTALLATION.

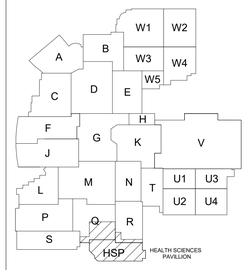
F. VERIFY SIGNAGE LOCATIONS AND COORDINATE WITH DOOR SWINGS, WALL DEVICES, ADJACENT FINISHES, AND REQUIRED CLEARANCES.

G. ROOM NAMES AND NUMBERS SHOWN ARE PRELIMINARY. SUBMIT COMPLETE SIGNAGE SHOP DRAWINGS, INCLUDING ALL ROOM NAMES, NUMBERS, AND SIGN TYPES, FOR ARCHITECT REVIEW AND FINAL OWNER APPROVAL PRIOR TO FABRICATION. DO NOT FABRICATE SIGNAGE UNTIL FINAL APPROVAL IS RECEIVED.

H. MATCH OWNER'S EXISTING SIGNAGE STANDARDS, INCLUDING MATERIALS, COLORS, FONTS, AND FINISHES, UNLESS NOTED OTHERWISE.

I. WHERE SIGNAGE IS MOUNTED ON GLASS, PROVIDE MATCHING BACKER PANELS ON OPPOSITE SIDE OF GLASS, WHETHER OR NOT INDICATED IN SIGNAGE SCHEDULE. FIELD VERIFY ALL GLASS-MOUNTED SIGNAGE LOCATIONS PRIOR TO FABRICATION.

#	Date	Description
2	10-28-2026	ADDENDUM 2



PROJECT NORTH

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Project Name:

Franklin Central High School Health Sciences Pavilion

Drawing Title:

FIRST FLOOR SIGNAGE PLAN - AREA HSP, Q, R

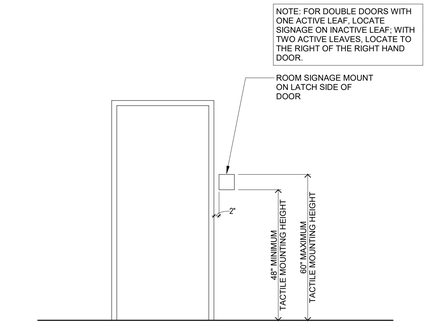
MATT HEATHER HARBERT
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No. 11800215
STATE OF INDIANA
SURVEYOR

Client Project No:

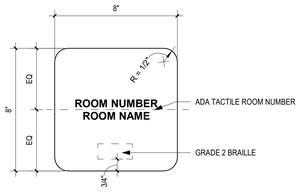
VPS Project No: **2025019.00**

Project Issue Date:

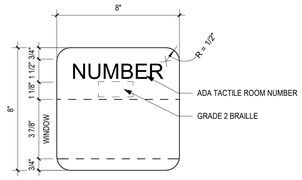
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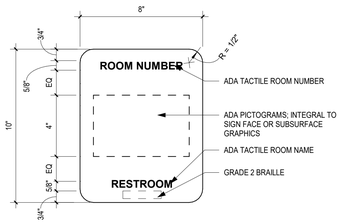
5 A108 **MOUNTING HEIGHT**
1/2" = 1'-0"



2 A108 **SIGN TYPE A**
3" = 1'-0"



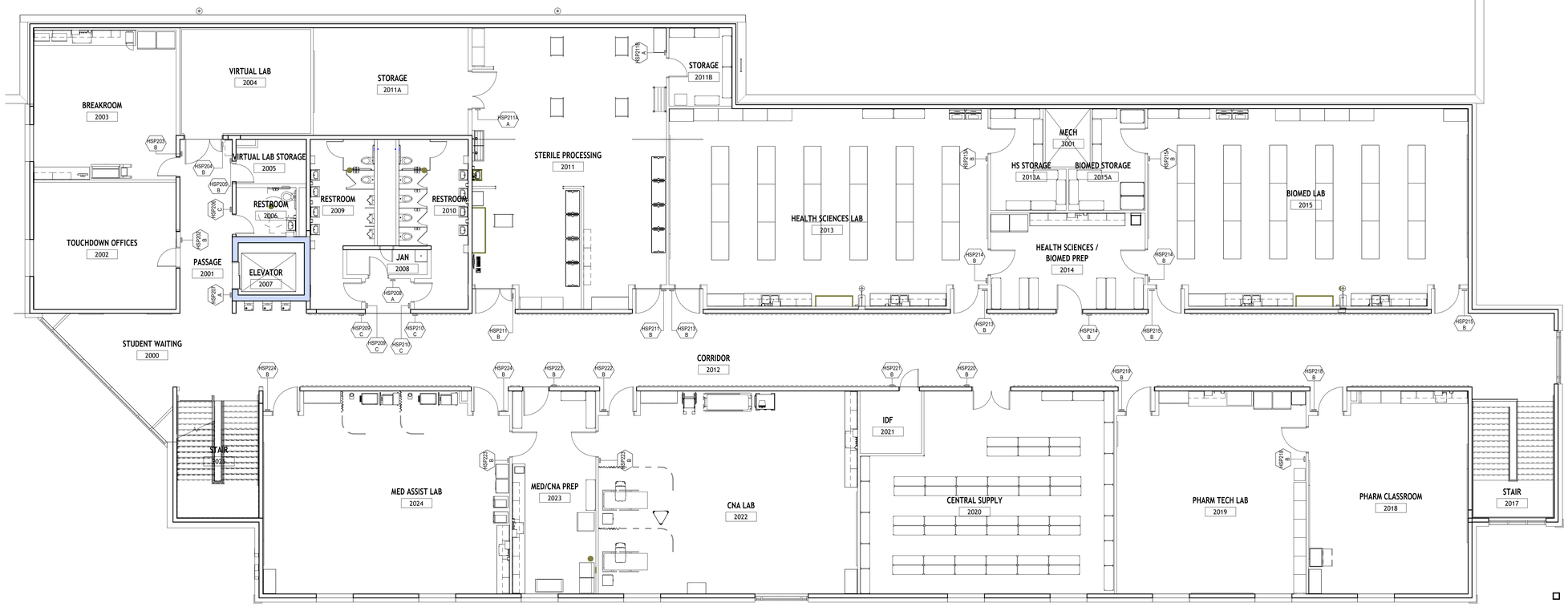
3 A108 **SIGN TYPE B**
3" = 1'-0"



4 A108 **SIGN TYPE C**
3" = 1'-0"

SIGNAGE SCHEDULE

PLAN ROOM NUMBER	PLAN ROOM NAME	SIGN NUMBER	SIGN TYPE	SIGN MESSAGE	QUANTITY	NOTES
2002	TOUCHDOWN OFFICES	HSP202	B		1	PROVIDE BACKER TO MOUNT ON GLAZING
2003	BREAKROOM	HSP203	B		1	
2004	VIRTUAL LAB	HSP204	B		1	MOUNT ON INACTIVE LEAF
2005	VIRTUAL LAB STORAGE	HSP205	B		1	
2006	RESTROOM	HSP206	C	FAMILY	1	ADA RESTROOM SIGN
2007	ELEVATOR	HSP207	A	ELEVATOR	1	
2008	JANITOR	HSP208	A	CUSTODIAL	1	
2009	RESTROOM	HSP209	C	MEN	2	MALE / ADA RESTROOM SIGN
2010	RESTROOM	HSP210	C	WOMEN	2	FEMALE / ADA RESTROOM SIGN
2011	STERILE PROCESSING	HSP211	B		2	MOUNT ON INACTIVE DOOR LEAF
2011A	STORAGE	HSP211A	A	STORAGE	1	MOUNT ON INACTIVE DOOR LEAF
2011B	STORAGE	HSP211B	A	STORAGE	1	
2013	HEALTH SCIENCES LAB	HSP213	B		2	
2013A	HS STORAGE	HSP213A	B		1	
2014	HEALTH SCIENCES/BIOMED PREP	HSP214	B		3	
2015	BIOMED LAB	HSP215	B		2	
2015A	BIOMED STORAGE	HSP215A	B		1	
2018	PHARM CLASSROOM	HSP218	B		2	
2019	PHARM TECH LAB	HSP219	B		1	
2020	CENTRAL SUPPLY	HSP220	B		1	
2021	IDF	HSP221	B		1	
2022	CNA LAB	HSP222	B		1	
2023	MED/CNA PREP	HSP223	B		3	
2024	MED ASSIST LAB	HSP224	B		2	



1 A108 **SECOND FLOOR SIGNAGE PLAN**
1/8" = 1'-0"

GENERAL SIGNAGE NOTES

A. PROVIDE SIGNAGE AS INDICATED ON DRAWINGS AND IN ACCORDANCE WITH PROJECT SPECIFICATIONS.

B. REFER TO SHEET A108 FOR SIGN TYPES AND DETAILS.

C. REFER TO INTERIOR DRAWINGS FOR ADDITIONAL PANEL SIGNAGE MOUNTED ON STANDOFFS.

D. ALL SIGNAGE SHALL COMPLY WITH APPLICABLE ADA ACCESSIBILITY REQUIREMENTS, ICC A117.1, AND LOCAL BUILDING CODES. PROVIDE TACTILE CHARACTERS, GRADE 2 BRAILLE, CONTRASTING COLORS, AND NON-GLARE FINISHES WHERE REQUIRED.

E. MOUNT TACTILE ROOM IDENTIFICATION SIGNS ON THE LATCH SIDE OF DOORS WITH TACTILE CHARACTERS BETWEEN 48 INCHES MINIMUM AND 60 INCHES MAXIMUM ABOVE FINISHED FLOOR. WHERE LATCH-SIDE MOUNTING IS NOT POSSIBLE, LOCATE SIGNAGE IN ACCORDANCE WITH APPLICABLE ACCESSIBILITY REQUIREMENTS AND COORDINATE WITH ARCHITECT PRIOR TO INSTALLATION.

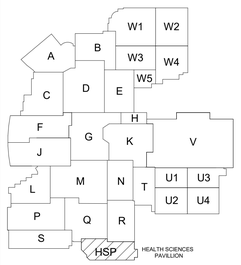
F. VERIFY SIGNAGE LOCATIONS AND COORDINATE WITH DOOR SWINGS, WALL DEVICES, ADJACENT FINISHES, AND REQUIRED CLEARANCES.

G. ROOM NAMES AND NUMBERS SHOWN ARE PRELIMINARY. SUBMIT COMPLETE SIGNAGE SHOP DRAWINGS, INCLUDING ALL ROOM NAMES, NUMBERS, AND SIGN TYPES, FOR ARCHITECT REVIEW AND FINAL OWNER APPROVAL PRIOR TO FABRICATION. DO NOT FABRICATE SIGNAGE UNTIL FINAL APPROVAL IS RECEIVED.

H. MATCH OWNER'S EXISTING SIGNAGE STANDARDS, INCLUDING MATERIALS, COLORS, FONTS, AND FINISHES, UNLESS NOTED OTHERWISE.

I. WHERE SIGNAGE IS MOUNTED ON GLASS, PROVIDE MATCHING BACKER PANELS ON OPPOSITE SIDE OF GLASS, WHETHER OR NOT INDICATED IN SIGNAGE SCHEDULE. FIELD VERIFY ALL GLASS-MOUNTED SIGNAGE LOCATIONS PRIOR TO FABRICATION.

#	Date	Description
2	10-28-2026	ADDENDUM 2



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TECHNOLOGY:
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(317) 536-8000

Project Name:

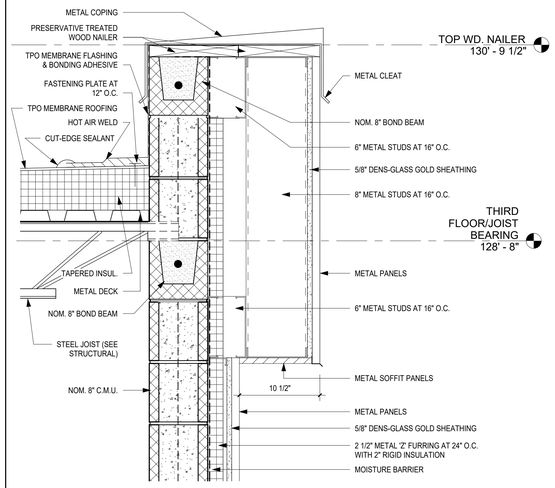
Franklin Central High School Health Sciences Pavilion

Drawing Title:

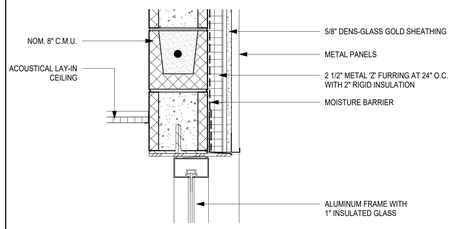
SECOND FLOOR SIGNAGE PLAN - AREA HSP

MARY HEATHER HARBERT
No. 11800215
STATE OF INDIANA

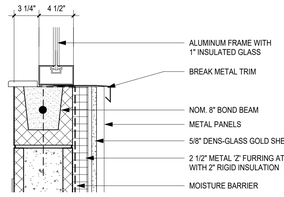
Client Project No:	
VPS Project No:	2025019.00
Project Issue Date:	
Drawing No:	A108



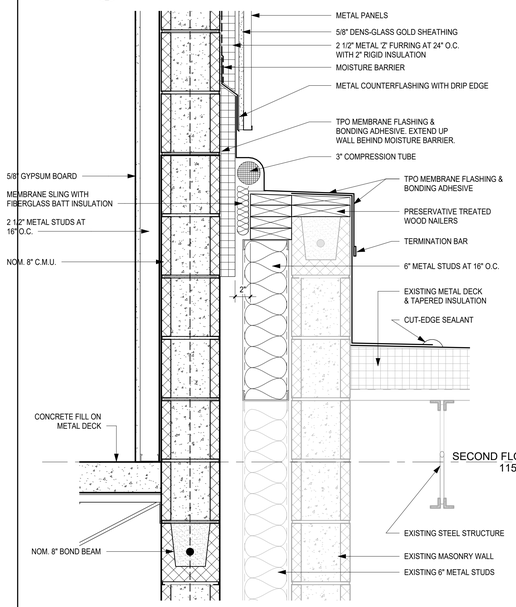
7 A402 **DETAIL** 1 1/2" = 1'-0"



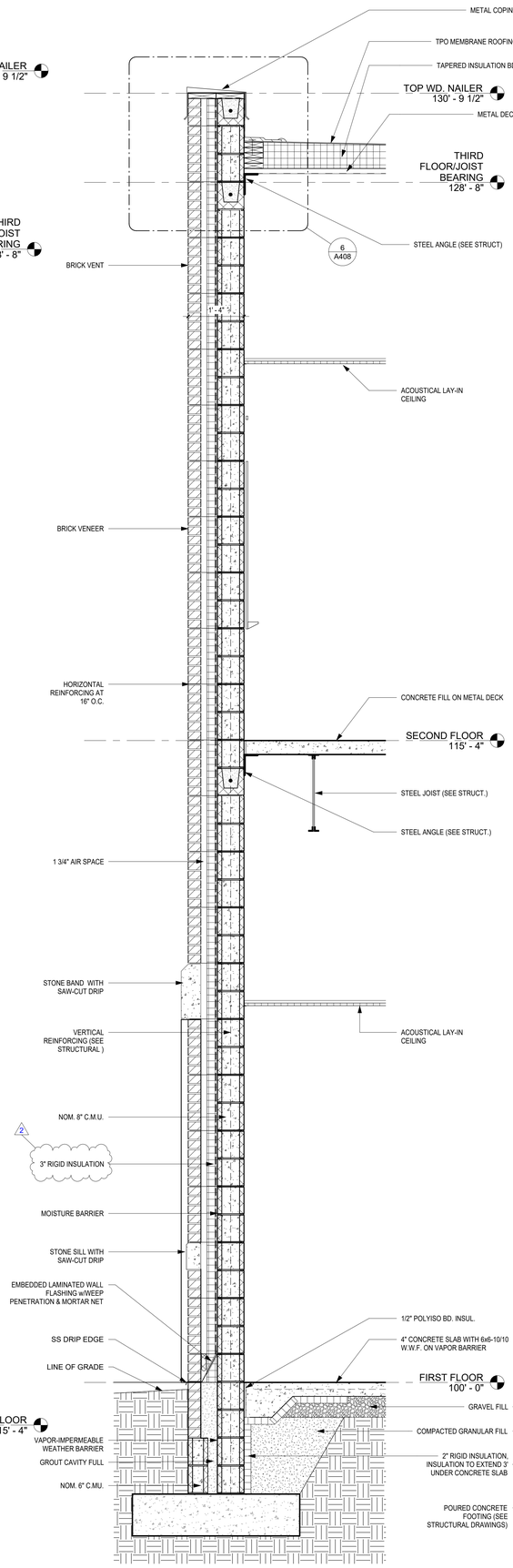
6 A402 **DETAIL** 1 1/2" = 1'-0"



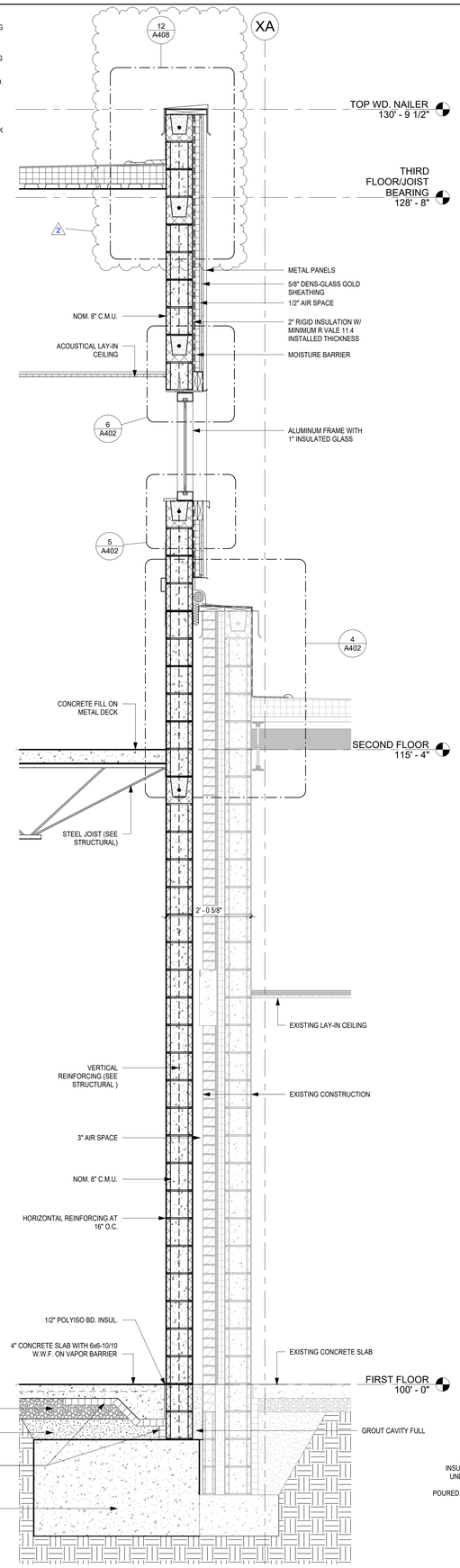
5 A402 **DETAIL** 1 1/2" = 1'-0"



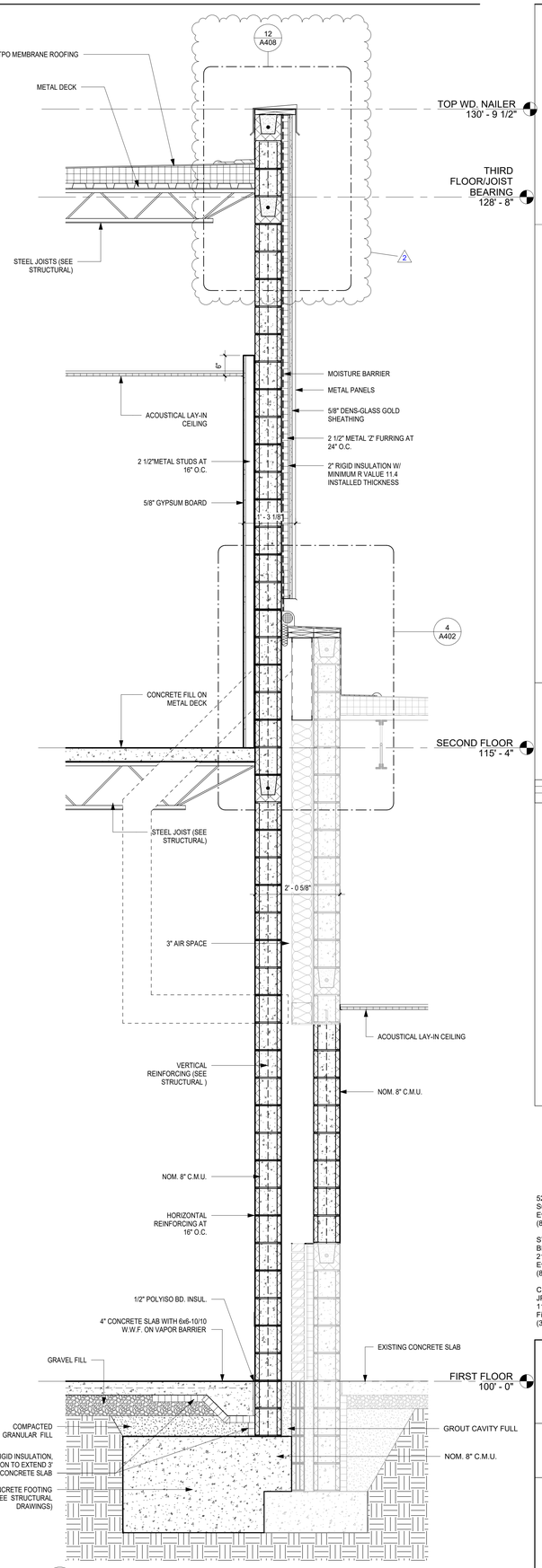
4 A402 **DETAIL** 1 1/2" = 1'-0"



3 A402 **WALL SECTION** 3/4" = 1'-0"



2 A402 **WALL SECTION** 3/4" = 1'-0"

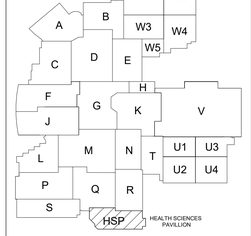


1 A402 **WALL SECTION** 3/4" = 1'-0"

GENERAL PARTITION TYPE NOTES

1. REFER TO LIFE SAFETY PLAN FOR LOCATIONS OF FIRE RATED AND SMOKE PARTITIONS.

#	Date	Description
2	10-26-2026	ADDENDUM 2



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(317) 536-8000

Project Name:

Franklin Central High School Health Sciences Pavilion

Drawing Title:

WALL SECTIONS & DETAILS

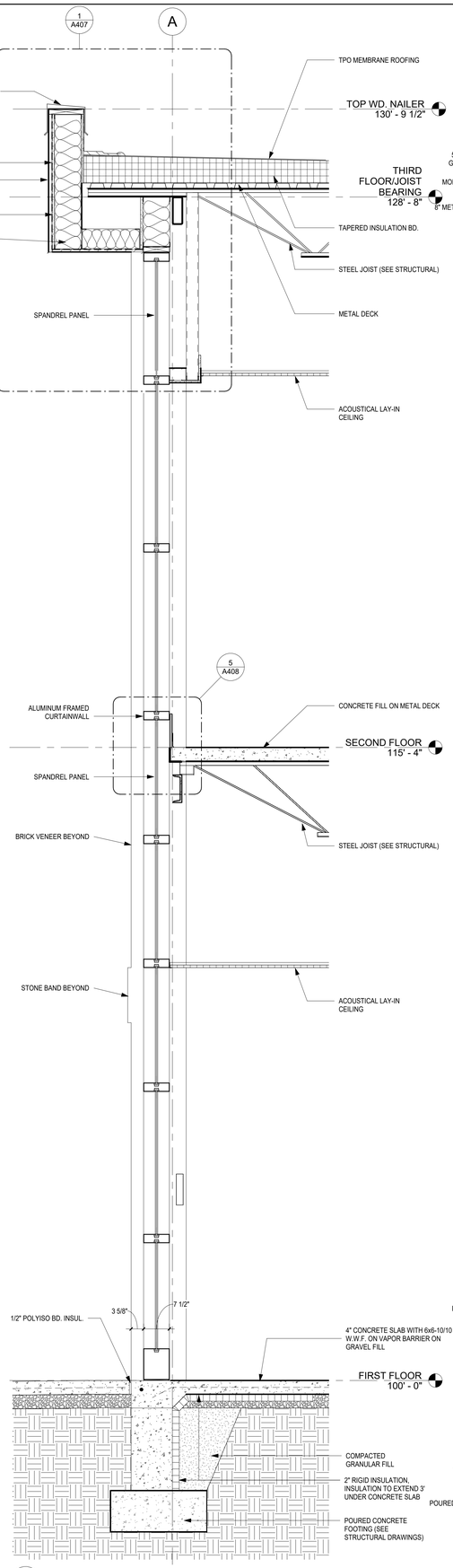
MARK HEATHER HARBERT No. 11800215 STATE OF INDIANA

Client Project No:

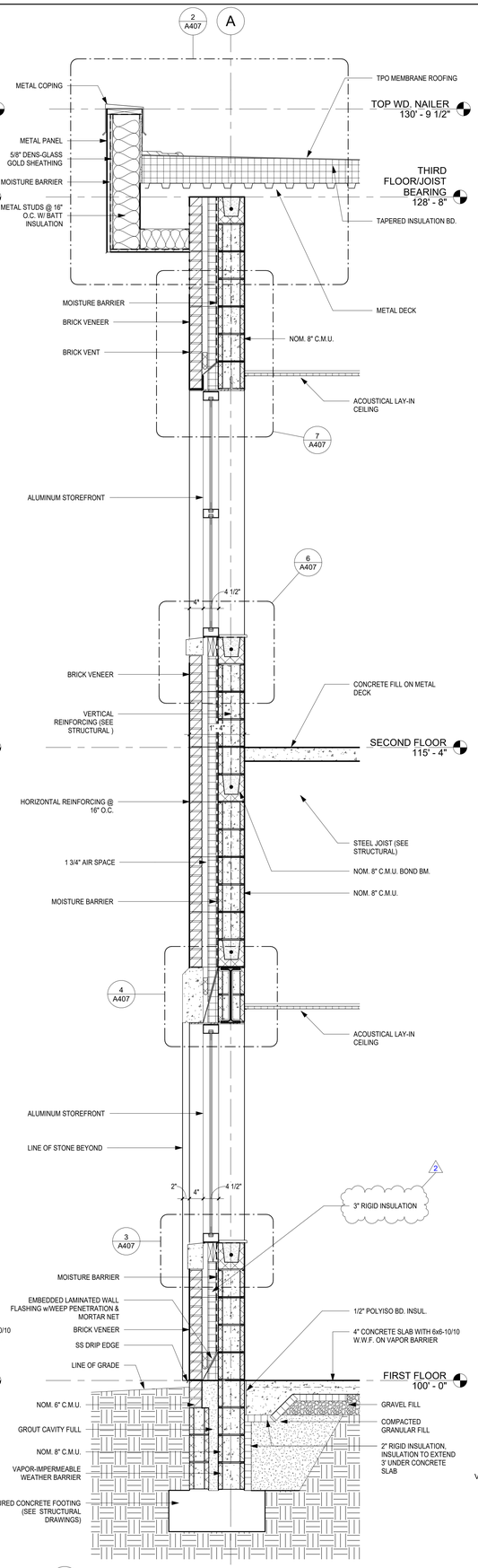
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Project Issue Date:

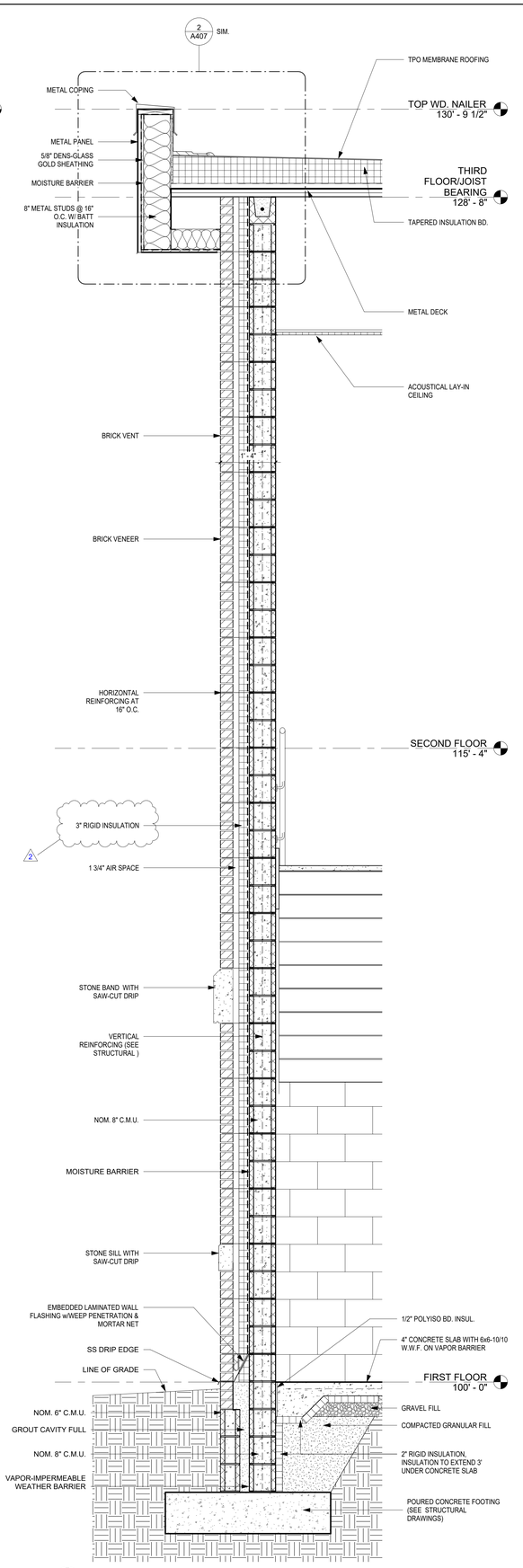
Drawing No: **A402**



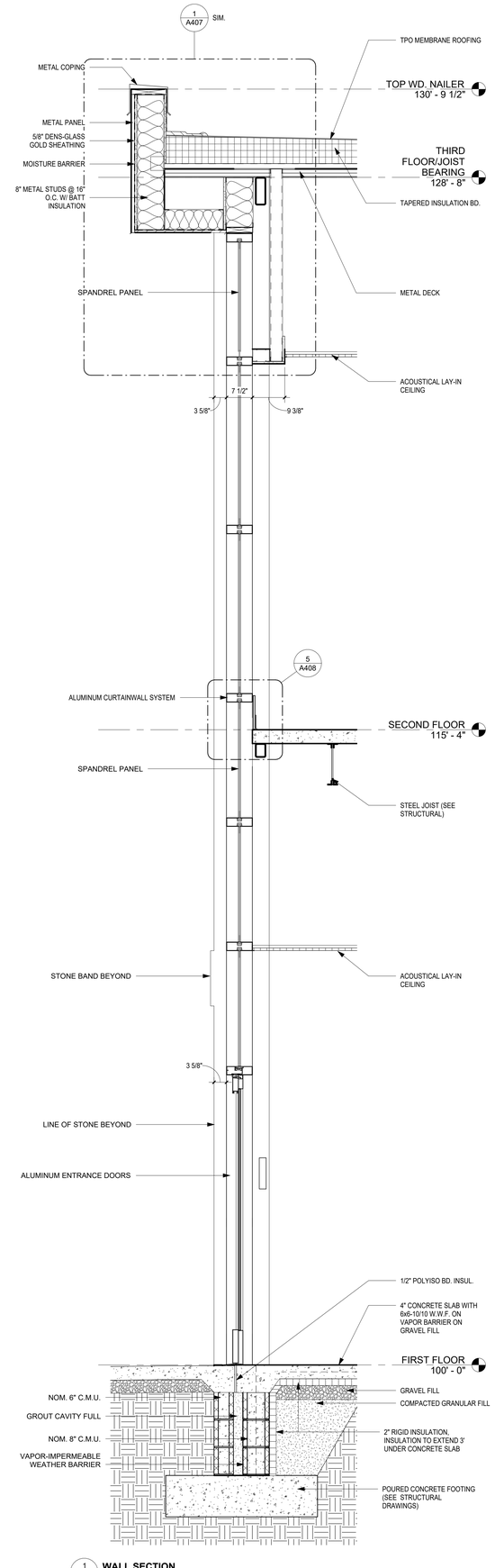
4 WALL SECTION A403 — 3/4" = 1'-0"



3 WALL SECTION A403 — 3/4" = 1'-0"



2 WALL SECTION A403 — 3/4" = 1'-0"

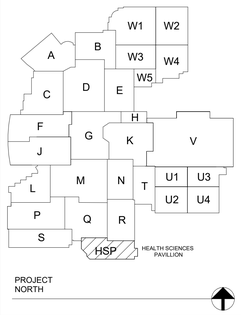


1 WALL SECTION A403 — 3/4" = 1'-0"

GENERAL PARTITION TYPE NOTES

1. REFER TO LIFE SAFETY PLAN FOR LOCATIONS OF FIRE RATED AND SMOKE PARTITIONS.

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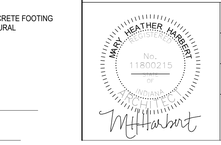
TECHNOLOGY:
Design 27
1650 E. 49th Street
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(317) 536-8000

Project Name:

Franklin Central High School Health Sciences Pavilion

Drawing Title:

WALL SECTIONS

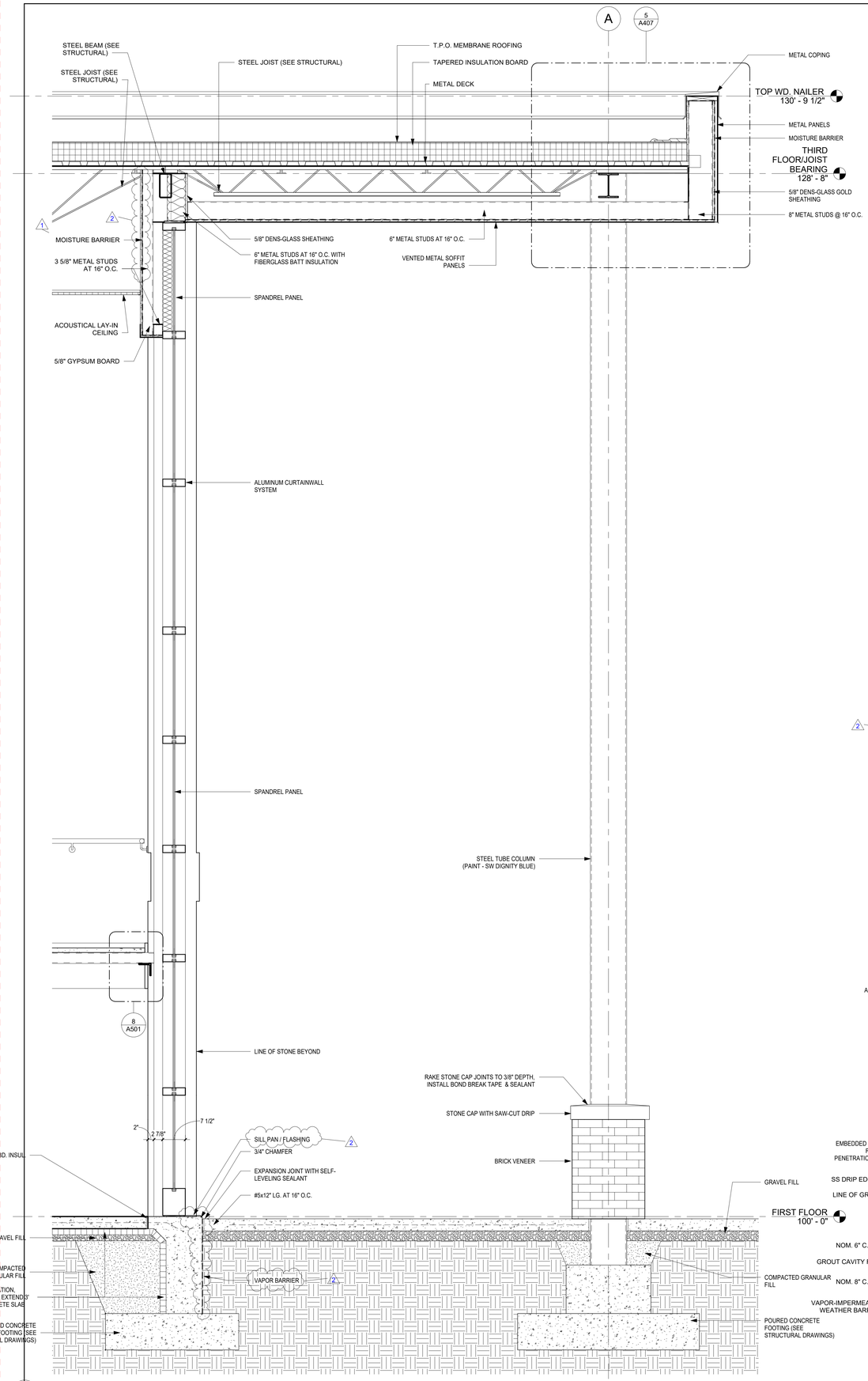


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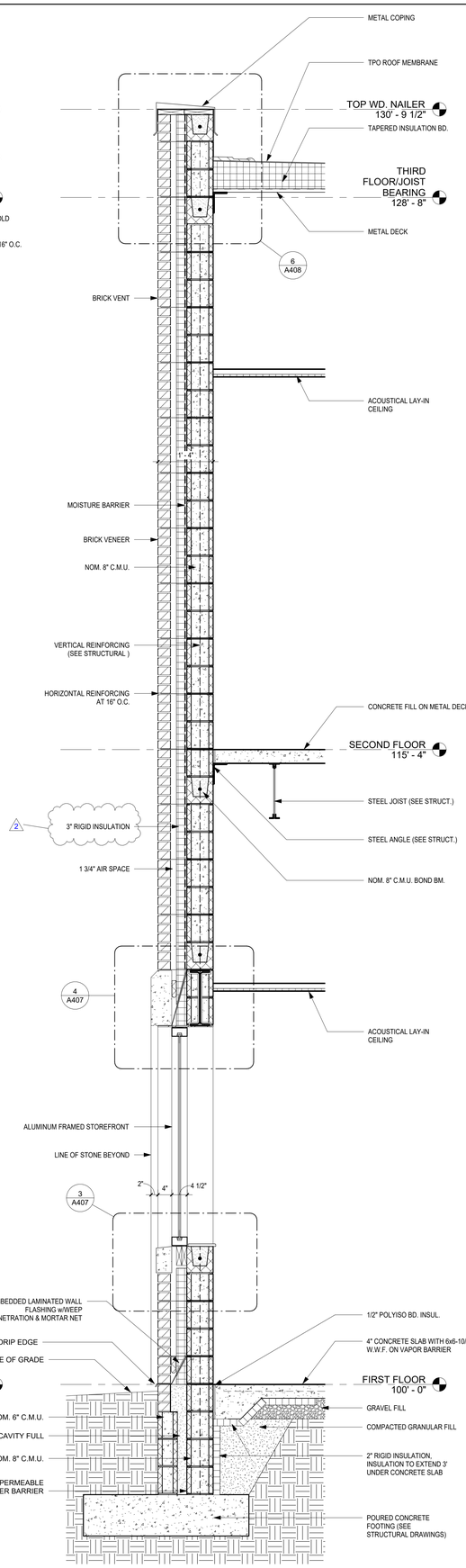
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Project Issue Date:

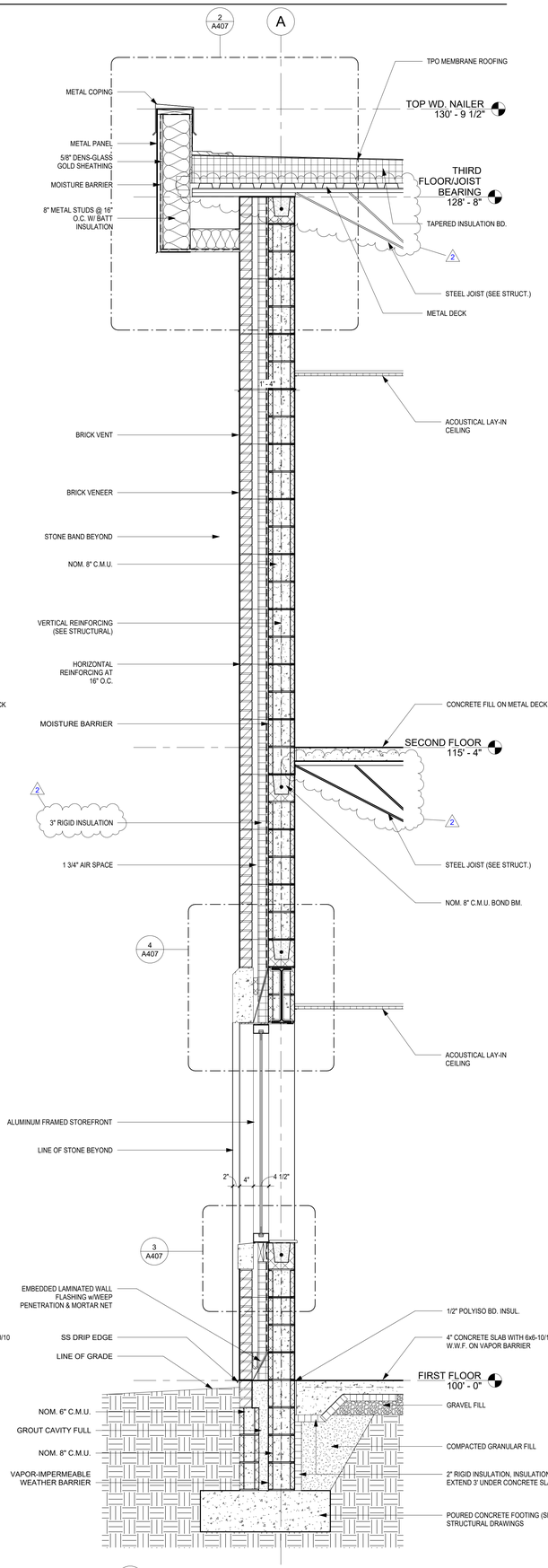
Drawing No: **A403**



3 A404 **WALL SECTION**
3/4" = 1'-0"



2 A404 **WALL SECTION**
3/4" = 1'-0"

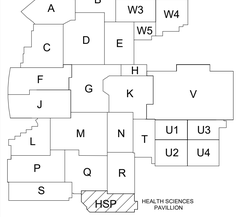


1 A404 **WALL SECTION**
3/4" = 1'-0"

GENERAL PARTITION TYPE NOTES

1. REFER TO LIFE SAFETY PLAN FOR LOCATIONS OF FIRE RATED AND SMOKE PARTITIONS.

#	Date	Description
2	10-26-2026	ADDENDUM 2
1	10-16-2026	ADDENDUM 1



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Project Name:

Franklin Central High School Health Sciences Pavilion

Drawing Title:

WALL SECTIONS

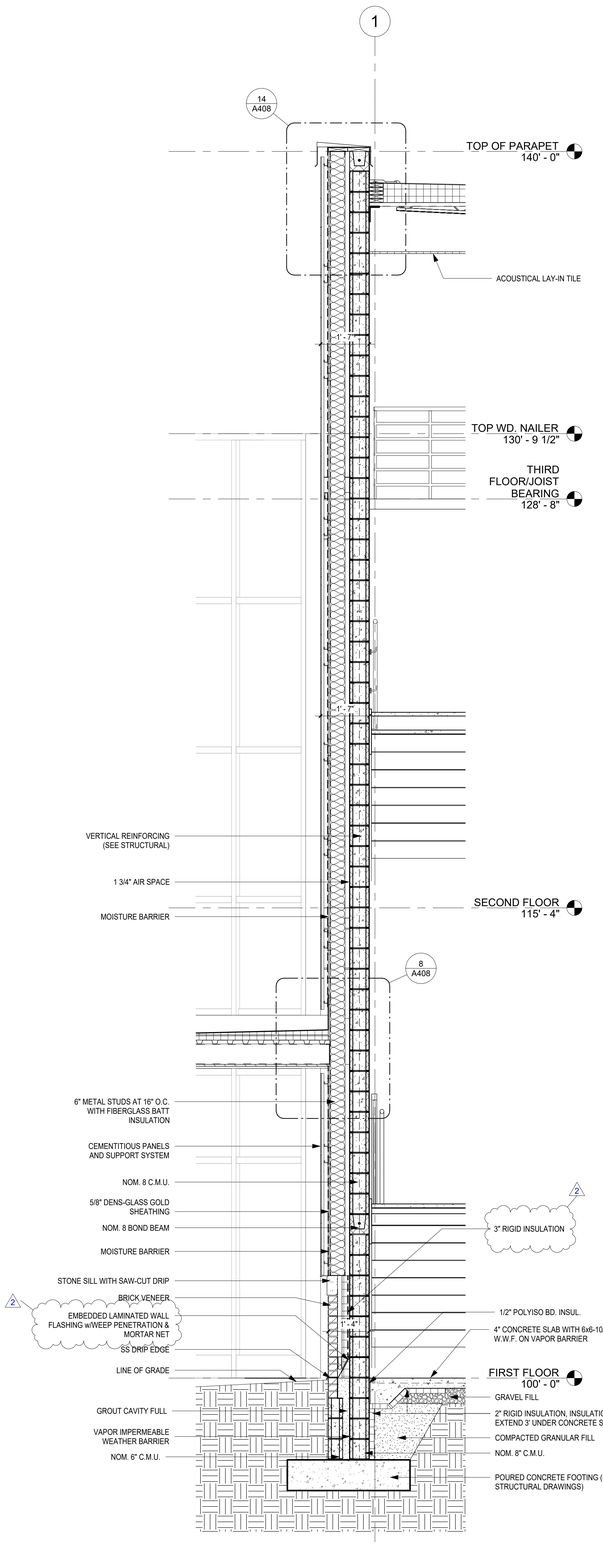
MARY HEATHER MERRIFIELD
No. 11800215
STATE OF INDIANA
REGISTERED ARCHITECT

Client Project No:

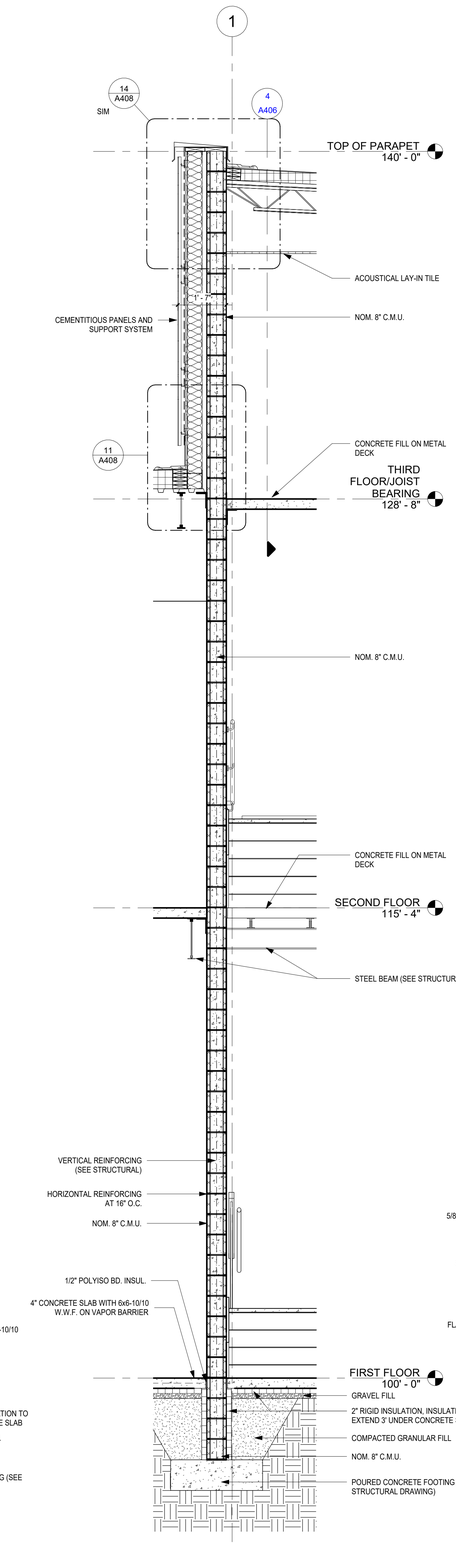
VPS Project No: **2025019.00**

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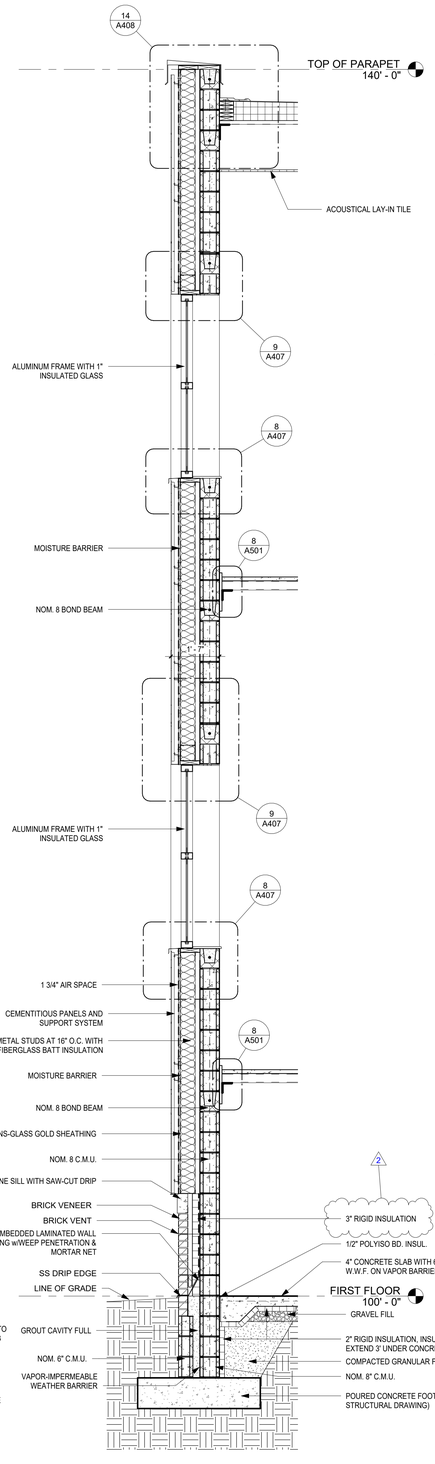
Drawing No: **A404**



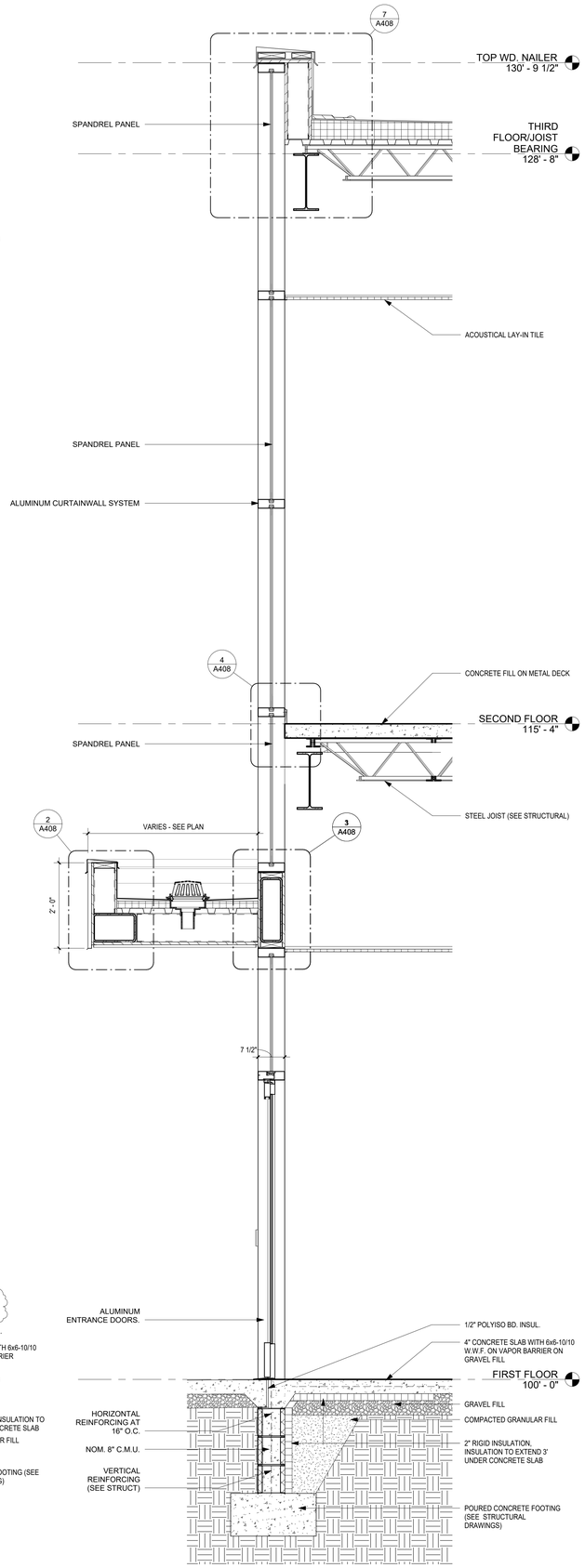
4 A405 **WALL SECTION** 1/2" = 1'-0"



3 A405 **WALL SECTION** 1/2" = 1'-0"

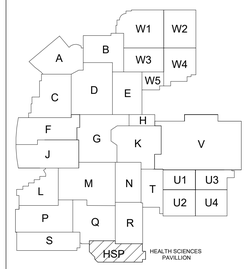


2 A405 **WALL SECTION** 1/2" = 1'-0"



1 A405 **WALL SECTION** 3/4" = 1'-0"

#	Date	Description
2	10-26-2026	ADDENDUM 2



PROJECT NORTH

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Project Name:

Franklin Central High School Health Sciences Pavilion

Drawing Title:

WALL SECTIONS

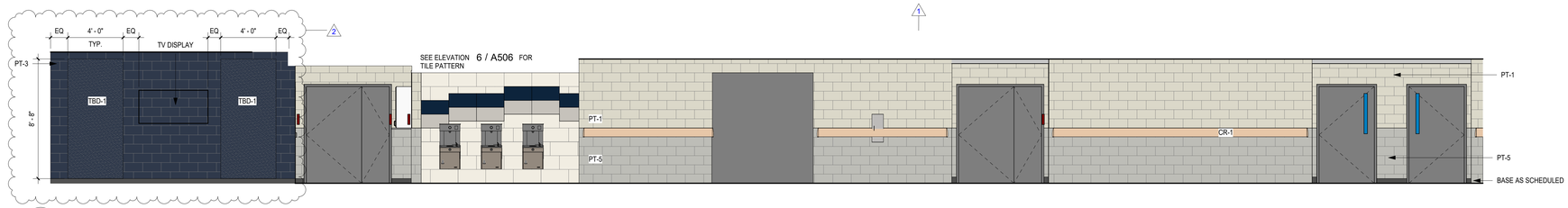
MATT HEATHER HUBBERT
No. 11800215
STATE OF INDIANA

Client Project No:

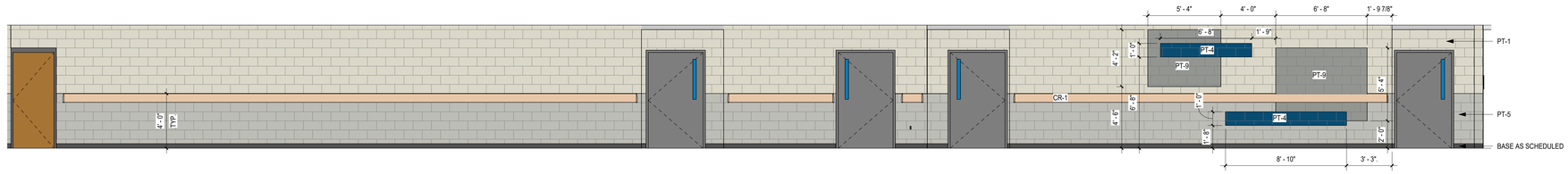
VPS Project No: **2025019.00**

Project Issue Date:

Drawing No: **A405**



1 A507 **2012 CORRIDOR - NORTH ELEVATION 1**
1/4" = 1'-0"



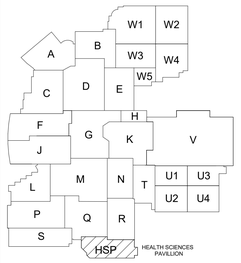
3 A507 **2012 CORRDIOR - SOUTH ELEVATION 1**
1/4" = 1'-0"

4 A507 **2012 CORRIDOR - SOUTH ELEVATION 2**
1/4" = 1'-0"

INTERIOR ELEVATION NOTES

#	KEYNOTE INFORMATION
1	FINISHED BASE. REFER TO FINISH PLAN
2	25" DEEP (UNO) SOLID SURFACE COUNTERTOP WITH SIDE AND BACK SPLASH, AS INDICATED
3	25" DEEP (UNO) EPOXY COUNTERTOP WITH SIDE AND BACK SPLASH WITH INTEGRAL SINK, AS INDICATED
4	24" DEEP (UNO) BASE CABINET; CONFIGURE DOOR(S), DRAWERS(S), AND SHELVE(S) AS INDICATED
5	14" DEEP (UNO) WALL CABINET; CONFIGURE DOOR(S) AND SHELVE(S) AS INDICATED
6	ACCESSIBLE (BARRIER FREE) SINK SKIRT ASSEMBLY
7	FINISHED END
8	COUNTER SUPPORT BRACKET
9	GYPSUM BULKHEAD CONSTRUCTION, REFER TO REFLECTED CEILING PLAN
10	PROVIDE LOCKS WHERE SHOWN
11	FUME HOOD.
12	METAL SUPPORT BRACKET AT 3'-0" O.C. MAXIMUM.
13	24" D. x 72" H. STORAGE CABINET WITH ADJUSTABLE SHELVES AS INDICATED
14	24" D. PLASTIC LAMINATE CUBBIES (30)
15	SURFACE MOUNTED PAPER TOWEL DISPENSER
16	SURFACE MOUNTED SOAP DISPENSER
17	14" D. x 18" H. WALL CABINET; DOUBLE DOORS AS INDICATED
18	30" DEEP COUNTERTOP (6" SPACE BEHIND CABINETS)
19	PLASTIC LAMINATE FINISHED END SUPPORT PANEL.
20	24" D. X 72" H. STORAGE GLASS FRONT CABINET WITH ADJUSTABLE SHELVES AS INDICATED
21	REFER TO ELEVATION 12/A504 FOR TYPICAL DESK ELEVATION NOTES.
22	FIRE EXTINGUISHER WITH FIRE BLANKET.
23	DISPLAY CASE. REFER TO ELEVATION 15/A504.

#	Date	Description
2	10-26-2026	ADDENDUM 2
1	10-16-2026	ADDENDUM 1



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(317) 536-8000

Project Name:

Franklin Central High School Health Sciences Pavilion

Drawing Title:

SECOND FLOOR INTERIOR ELEVATIONS

MICHAEL HEATHER HARBERT
REGISTERED ARCHITECT
No. 11800215
STATE OF INDIANA

Client Project No:

VPS Project No: **2025019.00**

Project Issue Date:

Drawing No: **A507**

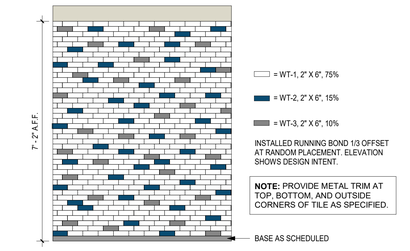
MATERIAL FINISH SCHEDULE

Symbol	Manufacturer	Color/Style	Comments
Base			
RB-1	Tarkett (Johnsonite)	Color: 4"; Burnt Umber 63	
RESB-1	Dur-a-flex	Color: Match height to existing tile base; Hybrid Flex-EQ; Q-28-24	
Carpet Tile			
CPT-A	Interface	Pattern/ Color: Night Lights, Soft Glow; 107262 Iron Azure; Brick Ashlar installation	
CPT-B	Interface	Pattern/ Color: Night Lights, Glisten; 107231 Iron; Brick Ashlar installation	
CPT-C	Interface	Pattern/ Color: Step Repeat; SR799 104918 Midnight; Monolithic installation	
Ceiling Tiles			
ACT-A	CertainTeed Architectural	Pattern/ Color: Sereno Fine Fissured SFF-454 HNRC/HCACX; White; 24 x 24	
ACT-B	CertainTeed Architectural	Pattern/ Color: VinylShield A 1102-CRF-1; White; 24 x 24	
ACT-C	CertainTeed Architectural	Pattern/ Color: Symphony f 1344B-IOF-1; White; 48 x 48	
-	Armstrong	Color: Prelude Plus XL; White; 15/16"	
-	USG	Color: Compasso standard; White; height varies	
Cubical Curtain			
	Arc-Com	Pattern/ Color:Avenue Montaigne AC-33345	
Doors			
	Masonite	Finish: Aspiro Series; Red Oak; Plain Sliced; Honey Stain	
	Tubelite	Color: Dark Bronze - DB	
Paint			
PT-1	Benjamin Moore	Color: Ashwood OC-47	NOTE: NOT ALL PAINT COLORS ARE USED ON THIS PROJECT.
PT-2	Sherwin Williams	Color: Tricorn Black SW 6258	
PT-3	Benjamin Moore	Color: Deep Royal 2061-10	
PT-4	Sherwin Williams	Color: Dignity Blue SW6804	
PT-5	Sherwin Williams	Color: Argos SW 7065	
PT-6	Sherwin Williams	Color: High Reflective White SW 7757	
PT-7	Sherwin Williams	Color: Dry Erase Clear Gloss Coating; ensure substrate is a true level 5 finish	
PT-8	Sherwin Williams	Color: Clear Gloss Finish	
PT-9	Sherwin Williams	Color: Tin Lizzie SW 9163	
PT-10	Paint on Screen	Color: 3D4K	
Plastic Laminate			
PL-1	Formica	Color: Burnt Strand 6307-58; matching edgebanding	
PL-2	Formica	Color: Sea Salt 9529-44; matching edgebanding	
PL-3	Formica	Color: Blue	
PL-4	Formica	Color: Crystal White Magnetic Markerboard; M3091	
PL-5	Formica	Color: Kessington Maple; 10776-60	
Resilient Flooring			
LVT-A	Interface	Pattern/ Color: Studio Set; A00702 Pewter; Brick Ashlar installation; layout per architect	
LVT-B	Interface	Pattern/ Color: Studio Set; A00703 Pepper; Brick Ashlar installation; layout per architect	
LVT-C	Interface	Pattern/ Color: Studio Set; A00720 Royal Blue; Brick Ashlar installation; layout per architect	
RSTR-1	Tarkett (Johnsonite)	Color: Treads with integrated Riser and Visually Impaired Accent; Raised Round; Burnt Umber 63	
Resinous & Epoxy Flooring			
SC-1	Laticrete	Color: L & M Seal Hard	
RES-1	Dur-a-flex	Color: Hybrid Flex- EQ; Q-28-24	
PTD CONC	Sherwin Williams	Color: Light Gray (52)	
Solid Surface			
SS-1	Formica	Color: Everform; Bianco Mineral 758	
Tack Surface			
TBD-1	Autex	Pattern/ Color: Pinnacle	
Tile			
WT-1	American Olean	Color: Calm #0035; 1/3 Running Bond installation, 2" x 8"	
WT-2	American Olean	Color: Sapphire Sky #0035; 1/3 Running Bond installation, 2" x 8"	
WT-3	American Olean	Color: Storm Gray #0040; 1/3 Running Bond installation, 2" x 8"	
-	Mapei	Color: 5019 Pearl Grey	
P TILE-1	Crossville	Color: Shades 2.0 12"x24" / Frost	
P TILE-2	Crossville	Color: Shades 2.0 12"x24" / Mist	
P TILE-3	Crossville	Color: Shades 2.0 12"x24" / Midnight	
	Mapei	Color: As Specified	
Toilet Partitions			
	ASI	Color: Blue 9509	
Wall Protection			
CG-1A	CS Specialties	Finish: SSM20A High Impact Corner Guard; 4'-0" high; 934 Pearl	
CG-1B	CS Specialties	Finish: SSM20A High Impact End Wall Protector; 4'-0" high; 934 Pearl	
CG-2	CS Specialties	Finish: SSM-20A; Snap on cover with 1/4" radius; 4'-0" high; Naval Blue #1586	
CG-3	CS Specialties	Finish; SSM-20A High Impact Corner Guard; 4'-0" high; 1577 Blueberry	
CR-1	Inpro Corporation	Finish: 1800 Wall Gaurds / Natural Maple	

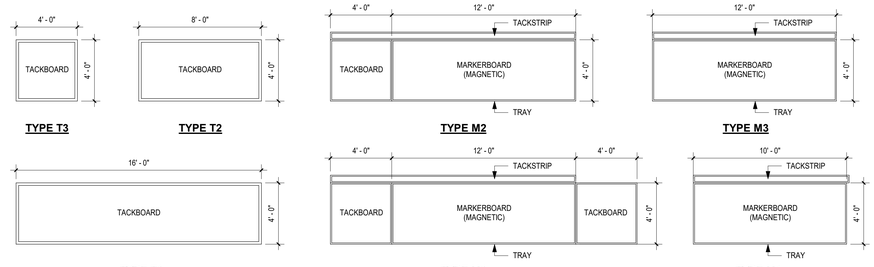




NOTE: INTERIOR RENDERINGS FOR REFERENCE ONLY - REFER TO INTERIOR ELEVATIONS FOR DESIGN INTENT, MATERIALS, AND COLOR.



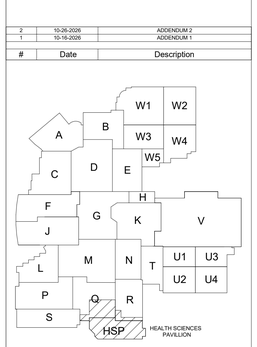
4 A508 **BATHROOM TILE PATTERN INSTALL**
1/2" = 1'-0"



3 A508 **MARKERBOARD/TACKBOARD TYPES**
1/4" = 1'-0"

NOTE: VERIFY MOUNTING HEIGHTS IN FIELD. TACKBOARD MATERIALS TO MEET CLASS 'C' FLAME SPREAD.

#	Date	Description
2	10-26-2026	ADDENDUM 2
1	10-16-2026	ADDENDUM 1



528 Main Street
Suite 400
Evansville, Indiana 47708
(812) 423-7729

1060 North Capitol Avenue
Suite 3-101
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www.VPSARCH.com

STRUCTURAL:
BFW Engineering
21 SE Third Street, Suite 320
Evansville, Indiana 47708
(812) 470-2073

ENGINEERS:
Creative Engineering Solutions
602 N. Capitol Ave., Suite 200
Indianapolis, Indiana 46204
(463) 223-9799

CIVIL:
JPS Consulting Engineering
11 Municipal Dr., Suite 300
Fishers, Indiana 46038
(317) 617-4270

TECHNOLOGY:
Design 27
1650 E. 49th Street
Indianapolis, Indiana 46205
(317) 536-8000

Project Name:

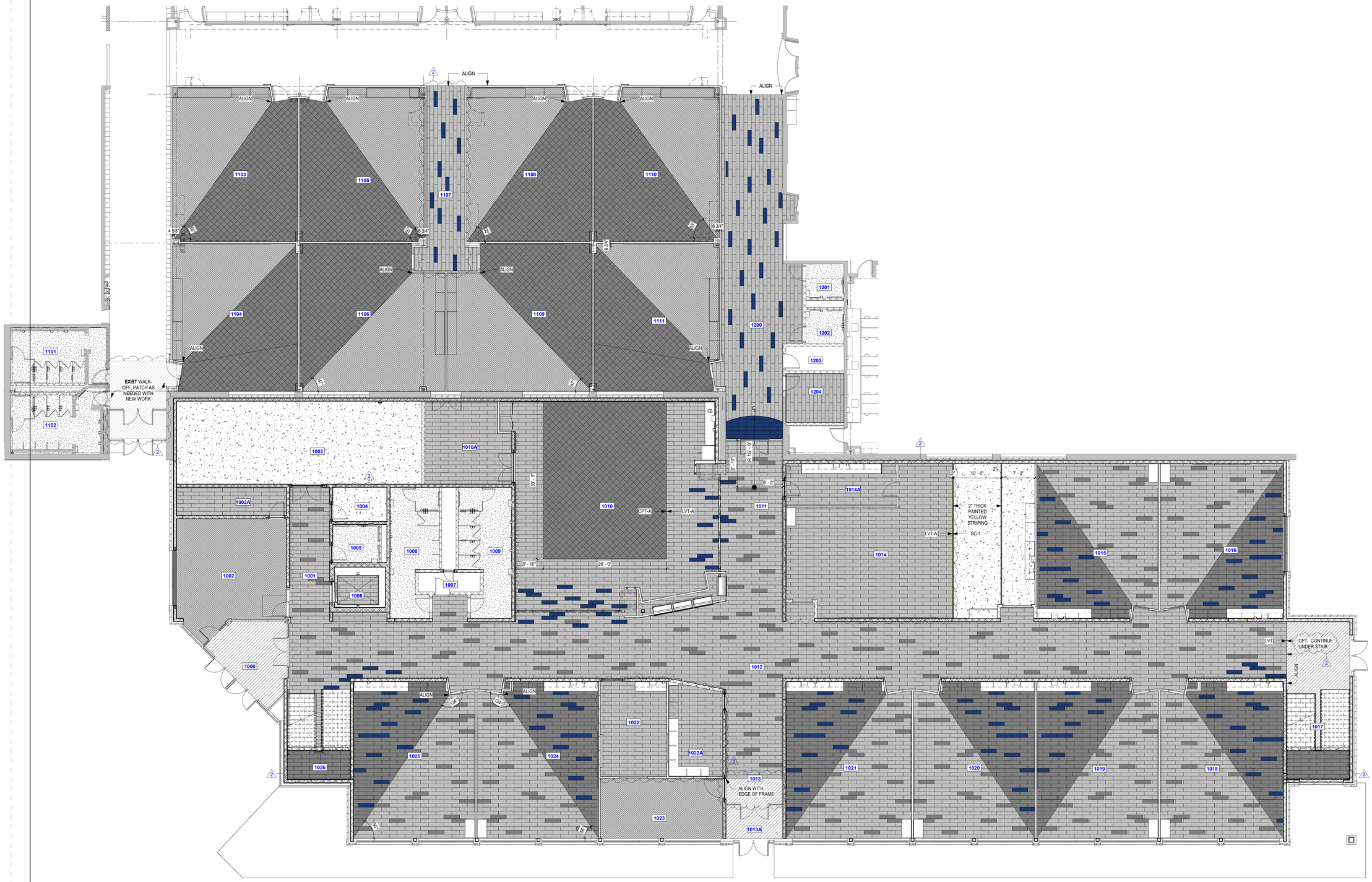
Franklin Central High School Health Sciences Pavilion

Drawing Title:

MATERIAL FINISH SCHEDULE & INTERIOR RENDERINGS

MARK HEATHER HARBERT
No. 11800215
STATE OF INDIANA
REGISTERED ARCHITECT

Client Project No:	
VPS Project No:	2025019.00
Project Issue Date:	
Drawing No:	A508

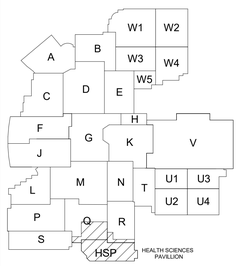


1 A606 **FIRST FLOOR - HSP FLOOR PATTERN PLAN**
1/8" = 1'-0"

FLOORING KEY

- CPT-A
- CPT-B
- CPT-C
- LVT-A
- LVT-B
- LVT- C
- SC-1
- RUBBER STAIR TREADS
- RES-1

#	Date	Description
2	10-28-2026	ADDENDUM 2



Wold VPS

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Project Name:

Franklin Central High School Health Sciences Pavilion

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FIRST FLOOR - HSP FLOOR PATTERN PLAN

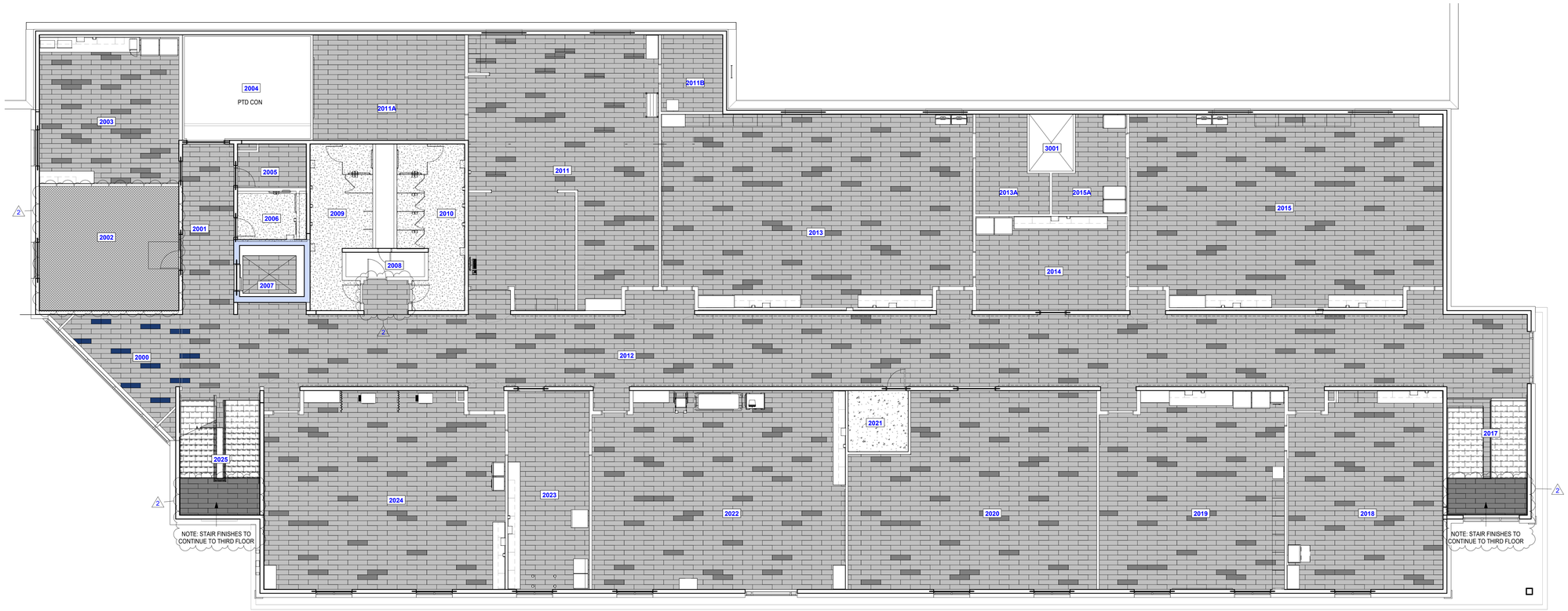
MARY HEATHER HASBERT
No. 11800215
STATE OF INDIANA

Client Project No:

VPS Project No: **2025019.00**

Project Issue Date:

Drawing No: **A606**

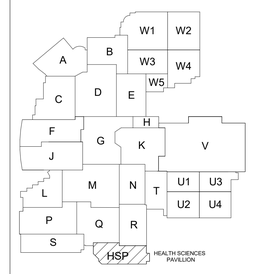


1 / A607 **SECOND FLOOR - FLOOR PATTERN PLAN**
1/8" = 1'-0"

FLOORING KEY

- CPT-A
- CPT-B
- CPT-C
- LVT-A
- LVT-B
- LVT- C
- SC-1
- RUBBER STAIR TREADS
- RES-1

#	Date	Description
2	10-28-2026	ADDENDUM 2



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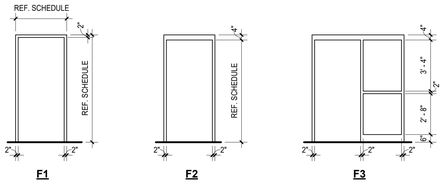
SECOND FLOOR - HSP FLOOR PATTERN PLAN



Client Project No:	
VPS Project No:	2025019.00
Project Issue Date:	
Drawing No:	A607

DOOR & HARDWARE SCHEDULE

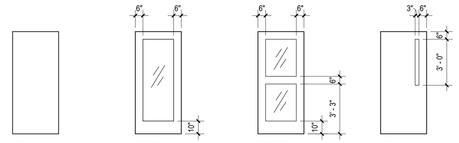
DOOR NUMBER	ROOM NAME	DOOR INFORMATION WIDTH	HEIGHT	# OF LEAFS	RATING	DOOR PANEL INFORMATION ELEVATION	DOOR PANEL MATERIAL	DOOR FRAME INFORMATION ELEVATION	DOOR FRAME MATERIAL	HARDWARE SET	FRAME DETAIL HEAD	JAMB	REMARKS	DOOR NUMBER
1000-1	VESTIBULE	3' - 0"	7' - 0"	2		FG2	AL/GL	W6	AL	ACR714AM	--	--		1000-1
1000-2	VESTIBULE	3' - 0"	7' - 0"	2		FG2	AL/GL	W6	AL	A724AM-CD	--	--		1000-2
1000-3	VESTIBULE	6' - 0"	7' - 0"	2		FG2	AL/GL	W12	AL	AC710A	--	--		1000-3
1002-1	TOUCH DOWN OFFICES	3' - 0"	7' - 0"	1		FG	AL/GL	W11	AL	CR201A	--	--		1002-1
1002-2	TOUCH DOWN OFFICES	3' - 0"	7' - 0"	1		F	WD	F3	HM	CZ207	H1	J1		1000-2
1002A	STORAGE	3' - 0"	7' - 0"	1		F	WD	F2	HM	203	H1	J1		1002A
1003	ELECTRICAL/ MECHANICAL	6' - 0"	7' - 0"	2		F	WD	F2	HM	710	H1	J1		1003
1004	WASTE	3' - 0"	7' - 0"	1		F	WD	F2	HM	201H	H1	J1		1004
1005	FAMILY RESTROOM	3' - 0"	7' - 0"	1		F	WD	F2	HM	241HL	H1	J1		1005
1007-1	JAN	3' - 0"	7' - 0"	1		F	WD	F2	HM	203S	H1	J1		1007-1
1007-2	JAN	2' - 0"	7' - 0"	1		F	WD	F2	HM	203S	H1	J1		1007-2
1008	RESTROOM	3' - 0"	7' - 0"	1		F	WD	F2	HM	801	H1	J1		1008
1009	RESTROOM	3' - 0"	7' - 0"	1		F	WD	F2	HM	801	H1	J1		1009
1010A	STORAGE	6' - 0"	7' - 0"	2		F	WD	F2	HM	202S	H1A	J1A	HEAD/JAMB SIMILAR	1010A
1011	CORRIDOR	6' - 0"	7' - 0"	2		FG2	AL/GL	W14	AL	700A	--	--		1011
1013A-1	VESTIBULE	3' - 0"	7' - 0"	2		FG2	AL/GL	W4	AL	724AM	--	--		1013A-1
1013A-2	VESTIBULE	6' - 0"	7' - 0"	2		FG2	AL/GL	W14	AL	800AVH	--	--		1013A-2
1014-1	EMS TECH LAB & STORAGE	4' - 0"	7' - 0"	1		N	WD/GL	F2	HM	103KW	H1	J1		1014-1
1014-2	EMS TECH LAB & STORAGE	6' - 0"	7' - 0"	2		N	WD/GL	F2	HM	202K	H1	J1		1014-2
1014A-1	PREP/EQUIPMENT	3' - 0"	7' - 0"	1		N	WD/GL	F2	HM	207HK	H1	J1		1014A-1
1014A-2	PREP/EQUIPMENT	3' - 0"	7' - 0"	1		N	WD/GL	F1	HM	207HK	H2	J2		1014A-2
1015	CNA CLASSROOM	3' - 0"	7' - 0"	1		N	WD/GL	F1	HM	103	H2	J2		1015
1016	CNA CLASSROOM	3' - 0"	7' - 0"	1		N	WD/GL	F1	HM	103	H2	J2		1016
1017	STAIR	3' - 0"	7' - 0"	2		FG2	AL/GL	W4	AL	724AM	--	--		1017
1018	BIOMED CLASSROOM	3' - 0"	7' - 0"	1		N	WD/GL	F1	HM	103	H2	J2		1018
1019	BIOMED CLASSROOM	3' - 0"	7' - 0"	1		N	WD/GL	F1	HM	103	H2	J2		1019
1020	BIOMED CLASSROOM	3' - 0"	7' - 0"	1		N	WD/GL	F1	HM	103	H2	J2		1020
1021	ES CLASSROOM	3' - 0"	7' - 0"	1		N	WD/GL	F1	HM	103	H2	J2		1021
1022	SIMULATION LAB	4' - 0"	7' - 0"	1		N	WD/GL	F2	HM	103KW	H1	J1		1022
1022A	OBSERVATION	3' - 0"	7' - 0"	1		N	WD/GL	F2	HM	103	H1	J1		1022A
1023	COLLABORATION ROOM	4' - 0"	7' - 0"	1		N	WD/GL	F2	HM	103W	H1	J1		1023
1024	MA CLASSROOM	3' - 0"	7' - 0"	1		N	WD/GL	F1	HM	103	H2	J2		1024
1025	CORRIDOR	3' - 0"	7' - 0"	1		N	WD/GL	F1	HM	103	H2	J2		1025
1101	RESTROOM	3' - 0"	7' - 0"	1		F	WD	F2	HM	801H	H2	J2		1101
1102	RESTROOM	3' - 0"	7' - 0"	1		F	WD	F2	HM	801H	H2	J2		1102
1103	CLASSROOM	3' - 0"	7' - 0"	1		N	WD/GL	F1	HM	103	H2	J2		1103
1104	CLASSROOM	3' - 0"	7' - 0"	1		N	WD/GL	F1	HM	103	H2	J2		1104
1105	CLASSROOM	3' - 0"	7' - 0"	1		N	WD/GL	F1	HM	103	H2	J2		1105
1106	CLASSROOM	3' - 0"	7' - 0"	1		N	WD/GL	F1	HM	103	H2	J2		1106
1108	CLASSROOM	3' - 0"	7' - 0"	1		N	WD/GL	F1	HM	103	H2	J2		1108
1109	CLASSROOM	3' - 0"	7' - 0"	1		N	WD/GL	F1	HM	103	H2	J2		1109
1110	CLASSROOM	3' - 0"	7' - 0"	1		N	WD/GL	F1	HM	103	H2	J2		1110
1111	CLASSROOM	3' - 0"	7' - 0"	1		N	WD/GL	F1	HM	103	H2	J2		1111
1201	STAFF RESTROOM	3' - 0"	7' - 0"	1		F	WD	F2	HM	241HL.1	H1	J1		1201
1202	STAFF RESTROOM	3' - 0"	7' - 0"	1		F	WD	F2	HM	241HL.1	H1	J1		1202
1203	JANITOR	3' - 0"	7' - 0"	1		F	WD	F2	HM	203	H1	J1		1203
1204	STORAGE	3' - 0"	7' - 0"	1		F	WD	F2	HM	203	H1	J1		1204
2002	TOUCHDOWN OFFICES	3' - 0"	7' - 0"	1		F	WD	F3	HM	103S	H1	J1		2002
2003	BREAKROOM	3' - 0"	7' - 0"	1		N	WD/GL	F2	HM	503	H1	J1		2003
2004	VIRTUAL LAB	6' - 0"	7' - 0"	2		N	WD/GL	F2	HM	102KS	H1A	J1A		2004
2005	VIRTUAL LAB STORAGE	3' - 0"	7' - 0"	1		F	WD	F2	HM	203K	H1	J1		2005
2006	RESTROOM	3' - 0"	7' - 0"	1		F	WD	F2	HM	241HL	H1	J1		2006
2008-1	JAN	3' - 0"	7' - 0"	1		F	WD	F2	HM	203S	H1	J1		2008-1
2008-2	JAN	2' - 0"	7' - 0"	1		F	WD	F2	HM	203S	H1	J1		2008-2
2009	RESTROOM	3' - 0"	7' - 0"	1		F	WD	F2	HM	801	H1	J1		2009
2010	RESTROOM	3' - 0"	7' - 0"	1		F	WD	F2	HM	801	H1	J1		2010
2011-1	STERILE PROCESSING	6' - 0"	7' - 0"	2		N	WD/GL	F2	HM	200CHK	H1	J1		2011-1
2011-2	STERILE PROCESSING	4' - 0"	7' - 0"	1		N	WD/GL	F2	HM	201HKW	H1	J1		2011-2
2011A	STORAGE	6' - 0"	7' - 0"	2		F	WD	F2	HM	202	H1	J1		2011A
2011B	STERILE PROCESSING	3' - 0"	7' - 0"	1		N	WD/GL	F1	HM	203S	H2	J2		2011B
2013-1	HEALTH SCIENCES LAB	4' - 0"	7' - 0"	1		N	WD/GL	F2	HM	711KW-CD	H1	J1		2013-1
2013-2	HEALTH SCIENCES LAB	4' - 0"	7' - 0"	1		N	WD/GL	F2	HM	711KW-CD	H1	J1		2013-2
2013A	HS STORAGE	4' - 0"	7' - 0"	1		N	WD/GL	F1	HM	207HKW	H2	J2		2013A
2014-1	HEALTH SCIENCES / BIOMED PREP	4' - 0"	7' - 0"	1		N	WD/GL	F2	HM	207HKW	H1	J1		2014-1
2014-2	HEALTH SCIENCES / BIOMED PREP	4' - 0"	7' - 0"	1		N	WD/GL	F1	HM	207HKW	H2	J2		2014-2
2014-3	HEALTH SCIENCES / BIOMED PREP	4' - 0"	7' - 0"	1		N	WD/GL	F1	HM	207HKW	H2	J2		2014-3
2015-1	BIOMED LAB	4' - 0"	7' - 0"	1		N	WD/GL	F2	HM	711KW-CD	H1	J1		2015-1
2015-2	BIOMED LAB	4' - 0"	7' - 0"	1		N	WD/GL	F2	HM	711KW-CD	H1	J1		2015-2
2015A	BIOMED STORAGE	4' - 0"	7' - 0"	1		N	WD/GL	F1	HM	207HKW	H2	J2		2015A
2018	PHARM CLASSROOM	4' - 0"	7' - 0"	1		N	WD/GL	F2	HM	103W	H1	J1		2017
2019-1	PHARM TECH LAB	4' - 0"	7' - 0"	1		N	WD/GL	F2	HM	103KW	H1	J1		2018-1
2019-2	PHARM TECH LAB	4' - 0"	7' - 0"	1		N	WD/GL	F1	HM	503KWS	H2	J2		2018-2
2020	CENTRAL SUPPLY	6' - 0"	7' - 0"	2		N	WD/GL	F2	HM	200HK	H1	J1		2019
2021	IDF	3' - 0"	7' - 0"	1		F	WD	F2	HM	201C	H1	J1		2020
2022	CNA LAB	4' - 0"	7' - 0"	1		N	WD/GL	F2	HM	103KW	H1	J1		2021
2023-1	MED/CNA PREP	4' - 0"	7' - 0"	1		N	WD/GL	F2	HM	207HKW	H1	J1		2022-1
2023-2	MED ASSIST LAB	4' - 0"	7' - 0"	1		N	WD/GL	F1	HM	207HKW	H2	J2		2022-2
2023-3	MED/CNA PREP	4' - 0"	7' - 0"	1		N	WD/GL	F1	HM	207HKW	H2	J2		2022-3
2024-1	MED ASSIST LAB	4' - 0"	7' - 0"	1		N	WD/GL	F2	HM	711KW-CD	H1	J1		2023-1
2024-2	MED ASSIST LAB	4' - 0"	7' - 0"	1		N	WD/GL	F2	HM	711KW-CD	H1	J1		2023-2
3000	STAIR	3' - 0"	7' - 0"	1		F	HM	F2	HM	D205	H1	J1		3000



F1 F2 F3

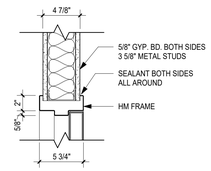
TYPICAL DOOR FRAME ELEVATION

1/4" = 1'-0"



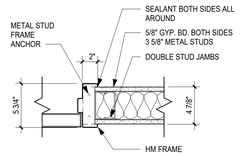
TYPICAL DOOR PANEL ELEVATION

1/4" = 1'-0"



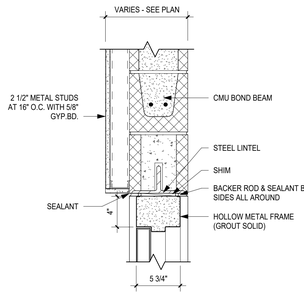
HEAD DETAIL - H2

1 1/2" = 1'-0"



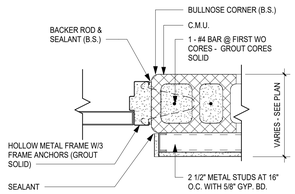
JAMB DETAIL - J2

1 1/2" = 1'-0"



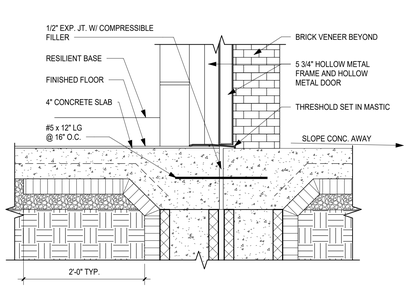
HEAD DETAIL - H1A

1 1/2" = 1'-0"



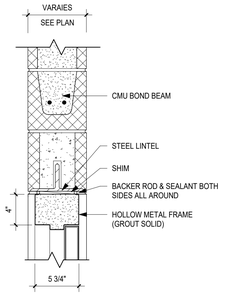
JAMB DETAIL - J1A

1 1/2" = 1'-0"



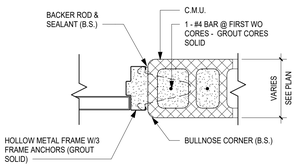
10 A701 **TYPICAL THRESHOLD DETAIL**

1 1/2" = 1'-0"



HEAD DETAIL - H1

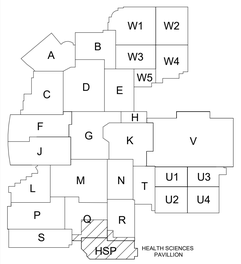
1 1/2" = 1'-0"



JAMB DETAIL - J1

1 1/2" = 1'-0"

#	Date	Description
2	10-26-2026	ADDENDUM 2



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Suite 400
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1060 North Capitol Avenue
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602 N. Capitol Ave., Suite 200
Indianapolis, Indiana 46204
(463) 223-9799

CIVIL:
JPS Consulting Engineering
11 Municipal Dr., Suite 300
Fishers, Indiana 46038
(317) 617-4270

TECHNOLOGY:
Design 27
1650 E. 49th Street
Indianapolis, Indiana 46205
(317) 536-8000

Project Name:

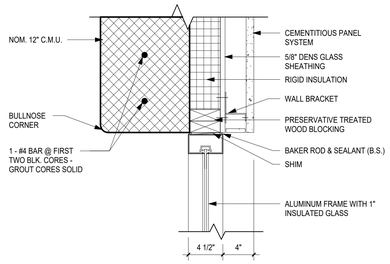
Franklin Central High School Health Sciences Pavilion

Drawing Title:

DOOR SCHEDULES AND DETAILS

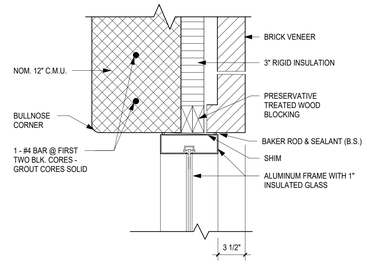
MARY HEATHER MURRELL No. 11800215 STATE OF INDIANA

Client Project No:	
VPS Project No:	2025019.00
Project Issue Date:	
Drawing No:	A701



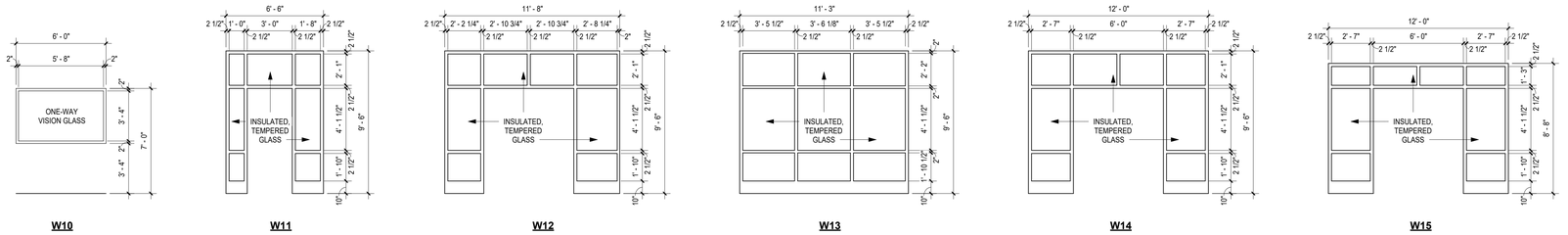
JAMB AT CEMENTITIOUS WALL - J4

1 1/2" = 1'-0"



ALUMINUM JAMB DETAIL - J3

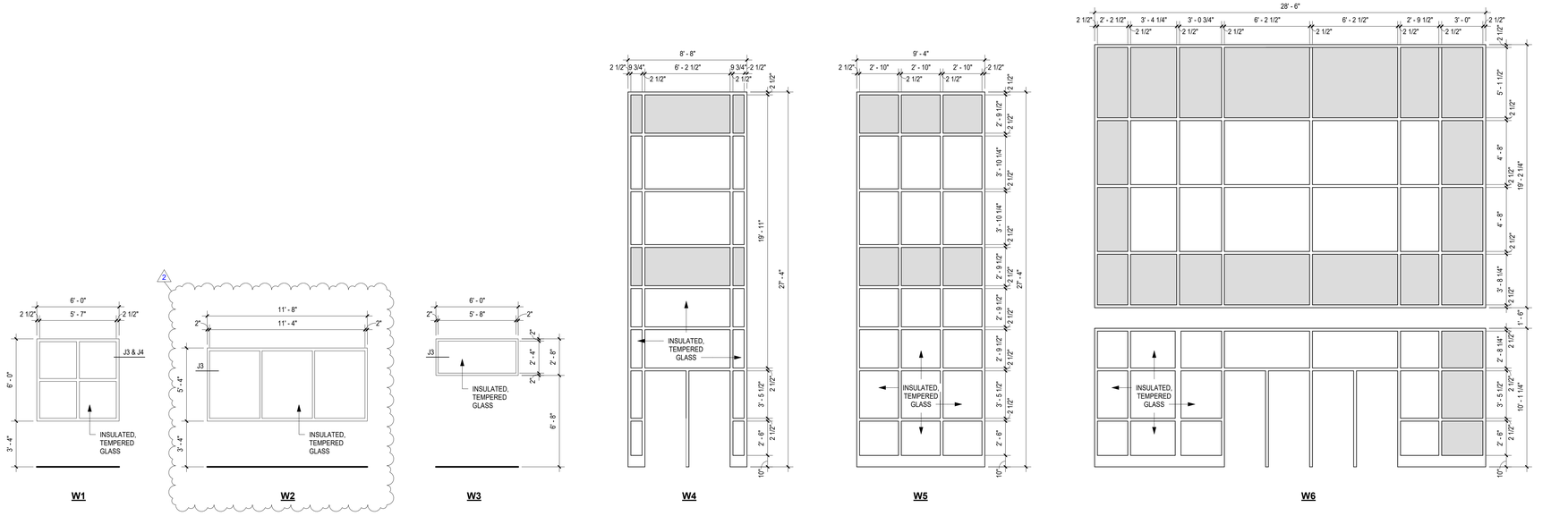
1 1/2" = 1'-0"



TYPICAL INTERIOR WINDOW FRAME ELEVATIONS

1/4" = 1'-0"

NOTE: PROVIDE RIOT FILM ON VESTIBULE SIDE OF GLAZING - TYPICAL W11, W12, AND W13

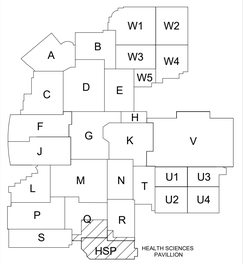


TYPICAL EXTERIOR WINDOW FRAME ELEVATIONS

1/4" = 1'-0"

NOTE: REFER TO SHEET A407 FOR GLAZING HEAD AND SILL DETAILS

#	Date	Description
2	10-26-2026	ADDENDUM 2



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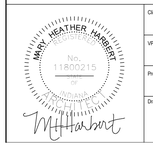
TECHNOLOGY:
Design 27
1650 E. 49th Street
Indianapolis, Indiana 46205
(317) 536-8000

Project Name:

Franklin Central High School Health Sciences Pavilion

Drawing Title:

WINDOW FRAME ELEVATIONS



Client Project No:

VPS Project No: **2025019.00**

Project Issue Date:

Drawing No: **A702**

Air System Sizing Summary for RTU-58
(In Alternative: FCHS Health Sciences Pavilion)

Project: FCHS HEalth Sciences Pavilion_6.4 — 09/17/2026
Prepared by: Creative Engineering — 8:53 AM

Air System Information

Air System Name	RTU-58	Number of zones	31
Equipment Class	PKG ROOF	Floor Area	19608.5 sqft
Air System Type	VAV	Location	Indianapolis Intl, IN, USA

Sizing Calculation Information

Calculation Months	Jan to Dec	Zone CFM Sizing	Peak zone sensible load
Sizing Data	Calculated	Space CFM Sizing	Individual peak space loads

Central Cooling Coil Sizing Data

Total coil load	52.6	Tons	Peak coil load occurs at	August 16:00	
Total coil load	631.2	MBH	OA DB / WB	91.3 / 75.0	F
Sensible coil load	377.4	MBH	Entering DB / WB	84.9 / 71.0	F
Coil CFM at peak load	11170	CFM	Leaving DB / WB	53.6 / 53.2	F
Sum of peak zone CFM	13771	CFM	Resulting RH	53	%
Sensible heat ratio	0.598		Design supply temp.	55.0	F
CFM/Ton	212.4		Zone T-stat Check	31 of 31	OK
sqft/Ton	372.8		Max zone temperature deviation	0.0	F
BTU/(hr sqft)	32.2				
Water flow @ 10.0 F rise	N/A				

Preheat Coil Sizing Data

Max coil load	345.4	MBH	Load occurs at	Design Heating	
Coil CFM at Design Heating	7567	CFM	Ent. DB / Lvg DB	6.5 / 50.0	F
Max coil CFM	12910	CFM			
Water flow @ 20.0 F drop	N/A				

Supply Fan Sizing Data

Design CFM	12910	CFM	Fan motor BHP	7.07	BHP
Design CFM occurs at	August 16:00		Fan motor kW	5.61	kW
Design CFM/sqft	0.66	CFM/sqft	Fan total static	2.00	in wg
Sum of peak zone CFM	13771	CFM			
VAV Fan Diversity	6.2	%			

Outdoor Ventilation Air Data

Design airflow CFM	7113	CFM	CFM/person	21.30	CFM/person
CFM/sqft	0.36	CFM/sqft			

4 RTU-58 AIRFLOW SUMMARY
NOT TO SCALE

Ventilation Sizing Summary for RTU-58
(In Alternative: FCHS Health Sciences Pavilion)

Project: FCHS HEalth Sciences Pavilion_6.4
Prepared by: Creative Engineering

1. Summary

Ventilation Sizing Method	ASHRAE Standard 62.1-2019	
Design Condition	Minimum flow (heating)	
Occupant Diversity (D)	1.000	
Uncorrected Outdoor Air Intake (Vou)	5094	CFM
System Ventilation Efficiency (Ev)	0.716	
Outdoor Air Intake (Vot)	7113	CFM

2. Space Ventilation Analysis

Zone Name / Space Name	Minimum Supply Air (CFM) (Vpz)	Space Floor Area (sqft) (Az)	Area Outdoor Air Rate (CFM/sqft) (Ra)	Time Averaged Occupancy (Occupants) (Pz)	People Outdoor Air Rate (CFM/person) (Rp)	Air Distribution Effectiveness (Ez)	Space Outdoor Air (CFM) (Voz)	Breathing Zone Outdoor Air (CFM) (Vbz)	Space Ventilation Efficiency (Evz)
2000 STUDENT WAITING									
2000 STUDENT WAITING	237	280.3	0.06	0.0	0.00	0.80	**21**	*17*	1.627
2001 PASSAGE									
2001 PASSAGE	22	293.8	0.06	0.0	0.00	0.80	**22**	*18*	0.716
2002 Stair									
2002 Stair	102	290.9	0.00	0.0	0.00	0.80	**0**	*0*	1.716
2002 Touchdown Offices									
2002 Touchdown Offices	66	480.2	0.06	4.0	5.00	0.80	**61**	*49*	0.791
2003 BREAKROOM									
2003 BREAKROOM	105	565.0	0.06	4.0	5.00	0.80	**67**	*54*	1.077
2005 VIRT STORAGE									
2005 VIRT STORAGE	6	80.4	0.06	0.0	5.00	0.80	**6**	*5*	0.716
2006 Restroom									
2006 Restroom	25	96.6	0.00	0.0	0.00	0.80	**0**	*0*	1.716
2008 JAN									
2008 JAN	25	65.1	0.00	0.0	0.00	0.80	**0**	*0*	1.716
2009 Gen Storage									
2009 Gen Storage	31	416.4	0.06	0.0	5.00	0.80	**31**	*25*	0.716
2009 RR									
2009 RR	25	301.2	0.00	0.0	0.00	0.80	**0**	*0*	1.716
2010 RR									
2010 RR	25	298.6	0.00	0.0	0.00	0.80	**0**	*0*	1.716
2011 SURG TECH LAB									
2011 SURG TECH LAB	451	767.7	0.12	26.8	10.00	0.80	**451**	*361*	0.716
2012 STERIL									
2012 STERIL	311	529.3	0.12	18.5	10.00	0.80	**311**	*249*	0.716
2012A PASSAGE									
2012A PASSAGE	13	171.8	0.06	0.0	0.00	0.80	**13**	*10*	0.716
2012B STOR									
2012B STOR	13	137.2	0.06	0.0	5.00	0.80	**10**	*8*	0.924
2013 Health Sciences Lab									

Ventilation Sizing Summary for RTU-58
(In Alternative: FCHS Health Sciences Pavilion)

Project: FCHS HEalth Sciences Pavilion_6.4
Prepared by: Creative Engineering

2013 Health Sciences Lab	633	1719.9	0.12	30.0	10.00	0.80	**633**	*506*	0.716
2014 Prep									
2014 Prep	443	455.1	0.12	30.0	10.00	0.80	**443**	*355*	0.716
2015 Biomed Lab									
2015 Biomed Lab	638	1754.8	0.12	30.0	10.00	0.80	**638**	*511*	0.716
2016 CORRIDOR									
2016 CORRIDOR	207	2762.0	0.06	0.0	0.00	0.80	**207**	*166*	0.716
2016A HS Storage (2)									
2016A HS Storage (2)	13	168.0	0.06	0.0	5.00	0.80	**13**	*10*	0.716
2018 PHARM CLASS									
2018 PHARM CLASS	512	913.6	0.12	30.0	10.00	0.80	**512**	*410*	0.716
2019 PHARM TECH LAB									
2019 PHARM TECH LAB	624	1062.3	0.12	37.1	10.00	0.80	**624**	*499*	0.716
2020 CENTRAL SUPPLY									
2020 CENTRAL SUPPLY	787	1341.0	0.12	46.9	10.00	0.80	**787**	*630*	0.716
2020A Biomed Storage (1)									
2020A Biomed Storage (1)	13	168.5	0.06	0.0	5.00	0.80	**13**	*10*	0.716
2021 IDF									
2021 IDF	99	107.3	0.06	0.4	5.00	0.80	**11**	*9*	1.608
2022 CNA Lab									
2022 CNA Lab	534	1061.1	0.12	30.0	10.00	0.80	**534**	*427*	0.716
2023 MED/CNA Storage									
2023 MED/CNA Storage	49	469.2	0.06	0.0	5.00	0.80	**35**	*28*	1.001
2024 Med Assist Lab									
2024 Med Assist Lab	645	1802.5	0.12	30.0	10.00	0.80	**645**	*516*	0.716
2024 Stair									
2024 Stair	131	483.7	0.00	0.0	0.00	0.80	**0**	*0*	1.716
NEXT TO STERIL									
NEXT TO STERIL	272	463.1	0.12	16.2	10.00	0.80	**272**	*218*	0.716
Vestibule									
Vestibule	56	101.9	0.06	0.0	0.00	0.80	**8**	*6*	1.579
Totals	**7113**	**19608.5**		**333.9**			**5094**		**0.716**

3 RTU-58 VENTILATION SCHEDULE
NOT TO SCALE

Air System Sizing Summary for RTU-57
(In Alternative: FCHS Health Sciences Pavilion)

Project: FCHS HEalth Sciences Pavilion_6.4 — 09/17/2026
Prepared by: Creative Engineering — 8:53 AM

Air System Information

Air System Name	RTU-57	Number of zones	30
Equipment Class	PKG ROOF	Floor Area	19637.7 sqft
Air System Type	VAV	Location	Indianapolis Intl, IN, USA

Sizing Calculation Information

Calculation Months	Jan to Dec	Zone CFM Sizing	Peak zone sensible load
Sizing Data	Calculated	Space CFM Sizing	Individual peak space loads

Central Cooling Coil Sizing Data

Total coil load	51.6	Tons	Peak coil load occurs at	August 16:00	
Total coil load	618.8	MBH	OA DB / WB	91.3 / 75.0	F
Sensible coil load	364.0	MBH	Entering DB / WB	85.8 / 71.7	F
Coil CFM at peak load	10477	CFM	Leaving DB / WB	53.6 / 53.3	F
Sum of peak zone CFM	13810	CFM	Resulting RH	56	%
Sensible heat ratio	0.588		Design supply temp.	55.0	F
CFM/Ton	203.2		Zone T-stat Check	30 of 30	OK
sqft/Ton	380.8		Max zone temperature deviation	0.0	F
BTU/(hr sqft)	31.5				
Water flow @ 10.0 F rise	N/A				

Preheat Coil Sizing Data

Max coil load	350.9	MBH	Load occurs at	Design Heating	
Coil CFM at Design Heating	7649	CFM	Ent. DB / Lvg DB	6.3 / 50.0	F
Max coil CFM	12287	CFM			
Water flow @ 20.0 F drop	N/A				

Supply Fan Sizing Data

Design CFM	12287	CFM	Fan motor BHP	6.73	BHP
Design CFM occurs at	September 16:00		Fan motor kW	5.34	kW
Design CFM/sqft	0.63	CFM/sqft	Fan total static	2.00	in wg
Sum of peak zone CFM	13810	CFM			
VAV Fan Diversity	11.0	%			

Outdoor Ventilation Air Data

Design airflow CFM	7214	CFM	CFM/person	18.19	CFM/person
CFM/sqft	0.37	CFM/sqft			

2 RTU-57 AIRFLOW SUMMARY
NOT TO SCALE

Ventilation Sizing Summary for RTU-57
(In Alternative: FCHS Health Sciences Pavilion)

Project: FCHS HEalth Sciences Pavilion_6.4
Prepared by: Creative Engineering

1. Summary

Ventilation Sizing Method	ASHRAE Standard 62.1-2019	
Design Condition	Minimum flow (heating)	
Occupant Diversity (D)	1.000	
Uncorrected Outdoor Air Intake (Vou)	5092	CFM
System Ventilation Efficiency (Ev)	0.706	
Outdoor Air Intake (Vot)	7214	CFM

2. Space Ventilation Analysis

Zone Name / Space Name	Minimum Supply Air (CFM) (Vpz)	Space Floor Area (sqft) (Az)	Area Outdoor Air Rate (CFM/sqft) (Ra)	Time Averaged Occupancy (Occupants) (Pz)	People Outdoor Air Rate (CFM/person) (Rp)	Air Distribution Effectiveness (Ez)	Space Outdoor Air (CFM) (Voz)	Breathing Zone Outdoor Air (CFM) (Vbz)	Space Ventilation Efficiency (Evz)
1000 VESTIBULE									
1000 VESTIBULE	186	251.7	0.06	0.0	0.00	0.80	**19**	*15*	1.604
1001 Passage									
1001 Passage	22	298.0	0.06	0.0	0.00	0.80	**22**	*18*	0.706
1002 - TOUCHDOWN OFFICES									
1002 - TOUCHDOWN OFFICES	98	539.6	0.06	2.7	5.00	0.80	**57**	*46*	1.119
1002A - STORAGE									
1002A - STORAGE	7	88.5	0.06	0.0	5.00	0.80	**7**	*5*	0.706
1003 Electrical/Mechanical									
1003 Electrical/Mechanical	267	1050.9	0.00	0.0	0.00	0.80	**0**	*0*	1.706
1004 Waste									
1004 Waste	8	106.6	0.06	0.0	5.00	0.80	**8**	*6*	0.706
1005 - STAFF RESTROOM									
1005 - STAFF RESTROOM	25	94.1	0.00	0.0	0.00	0.80	**0**	*0*	1.706
1007 Janitor									
1007 Janitor	25	103.5	0.00	0.0	0.00	0.80	**0**	*0*	1.706
1008 Restroom									
1008 Restroom	25	270.4	0.00	0.0	0.00	0.80	**0**	*0*	1.706
1009 Restroom									
1009 Restroom	25	295.9	0.00	0.0	0.00	0.80	**0**	*0*	1.706
1010 Community Room									
1010 Community Room	802	2069.7	0.06	103.5	5.00	0.80	**802**	*642*	0.706
1010A Storage									
1010A Storage	17	228.7	0.06	0.0	5.00	0.80	**17**	*14*	0.706
1011 - CORRIDOR									
1011 - CORRIDOR	41	545.5	0.06	0.0	0.00	0.80	**41**	*33*	0.706
1012 - CORRIDOR									
1012 - CORRIDOR	207	2755.5	0.06	0.0	0.00	0.80	**207**	*165*	0.706
1013 - CORRIDOR									
1013 - CORRIDOR	25	330.9	0.06	0.0	0.00	0.80	**25**	*20*	0.706
1014 EMT Tech Lab & Storage (1)									

Ventilation Sizing Summary for RTU-57
(In Alternative: FCHS Health Sciences Pavilion)

Project: FCHS HEalth Sciences Pavilion_6.4
Prepared by: Creative Engineering

1014 EMT Tech Lab & Storage (1)	832	1547.6	0.18	38.7	10.00	0.80	**832**	*665*	0.706
1014A - PREP / EQUIPMENT									
1014A - PREP / EQUIPMENT	22	205.9	0.06	1.0	5.00	0.80	**22**	*18*	0.706
1015 Classroom									
1015 Classroom	504	859.2	0.12	30.0	10.00	0.80	**504**	*403*	0.706
1016A Classroom									
1016A Classroom	509	895.6	0.12	30.0	10.00	0.80	**509**	*407*	0.706
1017 Stair									
1017 Stair	142	483.7	0.00	0.0	0.00	0.80	**0**	*0*	1.706
1018 Classroom									
1018 Classroom	514	924.7	0.12	30.0	10.00	0.80	**514**	*411*	0.706
1019 Classroom									
1019 Classroom	509	890.2	0.12	30.0	10.00	0.80	**509**	*407*	0.706
1020 Classroom									
1020 Classroom	509	890.8	0.12	30.0	10.00	0.80	**509**	*407*	0.706
1021 Classroom									
1021 Classroom	514	923.9	0.12	30.0	10.00	0.80	**514**	*411*	0.706
1022 - SIMULATION LAB									
1022 - SIMULATION LAB	166	309.2	0.18	7.7	10.00	0.80	**166**	*133*	0.706
1022A - OBSERVATION									
1022A - OBSERVATION	23	218.0	0.06	1.1	5.00	0.80	**23**	*19*	0.706
1023 COLAB RM									
1023 COLAB RM	64	376.0	0.06	1.9	5.00	0.80	**40**	*32*	1.085
1024 Classroom									
1024 Classroom	509	890.9	0.12	30.0	10.00	0.80	**509**	*407*	0.706
1025 Classroom									
1025 Classroom	511	906.3	0.12	30.0	10.00	0.80	**511**	*409*	0.706
1026 Stair									
1026 Stair	110	286.2	0.00	0.0	0.00	0.80	**0**	*0*	1.706
Totals	**7214**	**19637.7**		**396.6**			**5092**		**0.706**

1 RTU-57 VENTILATION SCHEDULE
NOT TO SCALE

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#	Date	Description
1	10/27/2026	Addendum 2



VPS ARCHITECTURE

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Project Name:
Franklin Central High School Health Sciences Pavilion

Drawing Title:
LOAD CALCULATIONS

GABRIEL S. CURRIER — REGISTERED — NO. PE10808972 — STATE OF INDIANA — PROFESSIONAL ENGINEER

Client Project No:

VPS Project No: **2025019.00**

Project Issue Date: **09.16.2026**

Drawing No: **M-801**

LIGHTING CONTROLS

SYMBOL	MOUNTING	DIMMING TYPE	OCCUPANCY SENSOR TYPE	SWITCH/ BUTTONS	CONTROL DESCRIPTION
$D1	WALL	0-10V	N/A	(1)	- (1) MANUAL SWITCH ON (TO SELECTED LIGHT LEVEL)/OFF - (1) MANUAL LIGHT LEVEL WITH SLIDER
$D2	WALL	0-10V	DUAL TECH.	(1)	- (1) MANUAL SWITCH ON (TO SELECTED LIGHT LEVEL)/OFF - (1) MANUAL LIGHT LEVEL WITH SLIDER - MANUAL ON / AUTO OFF
$D3	WALL	LINE VOLT.	N/A	(1)	- (1) MANUAL SWITCH ON (TO SELECTED LIGHT LEVEL)/OFF - (1) MANUAL LIGHT LEVEL WITH SLIDER
$DMX	WALL	DMX	N/A	MULTI.	- DMX COLOR CHANGING CONTROLLER - NICOLAUDIE STICK-CU4
$OS1	WALL	N/A	DUAL TECH.	(1)	- (1) MANUAL SWITCH ON/OFF - MANUAL ON / AUTO OFF
$OS2	WALL	N/A	DUAL TECH.	(2)	- (2) MANUAL SWITCH ON/OFF - MANUAL ON / AUTO OFF
$OS3	WALL	N/A	DUAL TECH.	(1)	- (1) AUTO ON / AUTO OFF
OS	CEILING	N/A	DUAL TECH.	N/A	- AUTO-ON / AUTO-OFF - TWO RELAYS IN POWER PACK - DISTRIBUTION COVERAGE AS REQUIRED FOR SPACE SIZE
HB	CEILING	N/A	PIR	N/A	- MANUAL OR AUTO-ON / AUTO-OFF - HIGHBAY COVERAGE - TWO RELAYS IN POWER PACK - DISTRIBUTION COVERAGE AS REQUIRED FOR SPACE SIZE
$	WALL	N/A	N/A	(1)	SINGLE POLE SWITCH
$3	WALL	N/A	N/A	(1)	THREE-WAY SWITCH
$4	WALL	N/A	N/A	(1)	FOUR-WAY SWITCH
$P	WALL	N/A	N/A	(1)	SINGLE POLE SWITCH W/ PILOT LIGHT
$3P	WALL	N/A	N/A	(1)	THREE-WAY SWITCH WITH PILOT LIGHT
$K	WALL	N/A	N/A	N/A	KEY OPERATED SINGLE POLE SWITCH
$3K	WALL	N/A	N/A	N/A	KEY OPERATED THREE-WAY SWITCH
$T	WALL	N/A	N/A	N/A	SINGLE POLE 12 HOUR MECHANICAL TIMER SWITCH
OS					DARK LINE ADJACENT TO OCCUPANCY SENSOR INDICATES SHIELDING
3					TWO OR MORE SWITCHES IN CLOSE PROXIMITY INDICATE A MULTIGANG BOX

FIRE ALARM

SUBSCRIPTS FOR FIRE ALARM SYSTEM DEVICES INDICATE THE FOLLOWING, U.O.N:
S - SURFACE MOUNTED
WP - WEATHERPROOF

PERFORM A COMPLETE SYSTEM TEST OF FIRE ALARM SYSTEM PRIOR TO STARTING DEMOLITION. PERFORM A COMPLETE SYSTEM TEST OF FIRE ALARM SYSTEM AFTER COMPLETION OF CONSTRUCTION.

WALL	CEILING	DESCRIPTION
MP		MANUAL PULL STATION: DOUBLE ACTION
H	H	HORN
H	H	HORN/STROBE
V	V	VISUAL STROBE
S	S	SPEAKER
S	S	SPEAKER/STROBE
B		BELL
B		BELL WITH INDICATOR
P	P S	SMOKE DETECTOR: PHOTOELECTRIC
	P H	HEAT DETECTOR
P S		DUCT DETECTOR - SUPPLY DUCT
P R		DUCT DETECTOR - RETURN DUCT
DH		DOOR HOLD
DR		DOOR HOLD RELEASE
FACP		CONTROL PANEL
FAAP		ANNUNCIATOR PANEL
FARCP		REMOTE CONTROL PANEL
FAPH		PHONE
NAC		NOTIFICATION APPLIANCE CONTROL PANEL
AM		ADDRESSABLE MODULE
CD		CELLULAR DIALER
FS		FLOW SWITCH
K		KNOX BOX
J		PHONE JACK
PS		PRESSURE SWITCH
PV		POST VALVE INDICATOR
RD		REMOTE DIALER
RI		REMOTE INDICATOR
RT		REMOTE TEST
TS		TAMPER SWITCH

LIGHTING

SUBSCRIPTS FOR LIGHTING FIXTURES INDICATE THE FOLLOWING, U.O.N.
NL - NIGHT LIGHT, PANEL SWITCHED, U.O.N.

	LIGHTING FIXTURE - TYPE AS INDICATED
	WALL MOUNTED FIXTURE - TYPE AS INDICATED
	LIGHTING FIXTURE - TYPE AS INDICATED
	POLE MOUNTED LIGHTING FIXTURE - TYPE AS INDICATED
	TRACK LIGHTING FIXTURE
	EMERGENCY BATTERY WALL PACK LIGHTING FIXTURE - TYPE AS INDICATED
	SHADING INDICATES EMERGENCY FIXTURE CONNECTED TO BATTERY INVERTER OR GENERATOR. CONNECT TO UNSWITCHED SOURCE IN ADDITION TO SWITCHING INDICATED
924	EXIT LIGHT - WALL/CEILING MOUNTED - DIRECTIONAL ARROWS AS INDICATED, SHADING INDICATES ILLUMINATED FACE. CONNECT TO UNSWITCHED BRANCH CIRCUIT INDICATED UL 924 GENERATOR TRANSFER DEVICE - CONNECT TO SWITCHED NORMAL BRANCH CIRCUIT AND UNSWITCHED EMERGENCY BRANCH CIRCUIT LOCATED IN SAME ROOM/AREA.

LIGHT FIXTURE TYPE
A : NORMAL
AX : SAME AS A WITH EMERGENCY AND SHADED

A — NL — ##-# — NIGHT LIGHT / SWITCH LEG / CIRCUIT NUMBER

ABBREVIATIONS

A	AMPERES
AC	ALTERNATING CURRENT
ADJ	ADJUSTABLE
AF	AMPERES FRAME (BREAKER RATING)
AFF	ABOVE FINISH FLOOR
AHU	AIR HANDLING UNIT
ASD	ADJUSTABLE SPEED DRIVE
AT	AMPERES TRIP (BREAKER SETTING)
ATS	AUTOMATIC TRANSFER SETTING
AUX	AUXILIARY
C	CONDUIT
CB	CIRCUIT BREAKER
CKT	CIRCUIT
CP	CONTROL PANEL
CPT	CONTROL POWER TRANSFORMER
CT	CURRENT TRANSFORMER
DISC	DISCONNECT
DL	DOUBLE LUGS
DP	POWER DISTRIBUTION PANEL
DWG	DRAWING
EF	EXHAUST FAN
EG	EQUIPMENT GROUND
ELEC	ELECTRIC/ELECTRICAL
EM/EMERG	EMERGENCY
EMT	ELECTRICAL METALLIC TUBING
EO	ELECTRICALLY OPERATED
F	FUSE
FA	FIRE ALARM
FB	FLOOR BOX
FDR	FEEDER
FL	FLOOR
FLEX	FLEXIBLE
FTL	FEED THRU LUGS
G	GROUND
GFCI	GROUND FAULT CIRCUIT INTERRUPTER
GFPE	GROUND FAULT PROTECTION OF EQUIPMENT
GRND	GROUND
HP	HORSEPOWER
HOA	HAND-OFF-AUTOMATIC
JB	JUNCTION BOX
KV	KILOVOLTS
KVA	KILOVOLTS-AMPERES
KVAR	KILOVOLTS-AMPERES-REACTIVE
KW	KILOWATTS
KWH	KILOWATT-HOURS
LA	LIGHTNING ARRESTOR
LSIG	LONG, SHORT, INSTANTANEOUS, GROUND FAULT TRIP SETTINGS
LP	LIGHTING PANELBOARD
MAX	MAXIMUM
MCB	MAIN CIRCUIT BREAKER
MFG	MANUFACTURER
MCC	MOTOR CONTROL CENTER
MECH	MECHANICAL
MFS	MAIN FUSED SWITCH
MH	MANHOLE
MIN	MINIMUM
MISC	MISCELLANEOUS
MLO	MAIN LUGS ONLY
MTD	MOUNTED
MTG	MOUNTING
NC	NORMALLY CLOSED
NEC	NATIONAL ELECTRICAL CODE
NF	NON-FUSED
NIC	NOT IN CONTRACT
NL	NIGHT LIGHT
NO	NORMALLY OPEN
NO.	NUMBER
N.T.S.	NOT TO SCALE
OC	ON CENTER
OL'S	OVERLOADS
OS	OCCUPANCY SENSOR
P	POLE
PB	PUSH BUTTON
PH/Ø	PHASE
PT	POTENTIAL TRANSFORMER
RCLP	REMOTE CONTROL LIGHTING PANEL
RECEPT.	RECEPTACLE
RF	RETURN FAN
RP	RECEPTACLE PANELBOARD
RSC	RIGID STEEL CONDUIT
SCHED	SCHEDULE
SF	SUPPLY FAN
ST	SHUNT TRIP
STB	SHUNT TRIP BREAKER
SW	SWITCH
SWBD	SWITCHBOARD
TB	TERMINAL BLOCK
TYP	TYPICAL
UON	UNLESS OTHERWISE NOTED
V	VOLTS
VFD	VARIABLE FREQUENCY DRIVE
W	WIRE
+2" AC	RECEPTACLE AT 2" ABOVE BACKSPLASH/COUNTERTOP TO BOTTOM OF DEVICE COORDINATE WITH CASEWORK

ELECTRICAL RECEPTACLES

FLOOR	WALL	+2" AC	CEILING	POWER	DESCRIPTION
				NORMAL	SIMPLEX RECEPTACLE
				NORMAL	DUPLEX RECEPTACLE
				NORMAL	DUPLEX RECEPTACLE TYPE GFCI
				NORMAL	QUADRAPLEX RECEPTACLE
				NORMAL	QUADRAPLEX RECEPTACLE TYPE GFCI
				NORMAL	SPECIAL RECEPTACLE
				EMERGENCY	SIMPLEX RECEPTACLE
				EMERGENCY	DUPLEX RECEPTACLE
				EMERGENCY	DUPLEX RECEPTACLE TYPE GFCI
				EMERGENCY	QUADRAPLEX RECEPTACLE
				EMERGENCY	QUADRAPLEX RECEPTACLE TYPE GFCI
				EMERGENCY	SPECIAL RECEPTACLE
FB					FLOOR BOX
PT					POKE THRU
	RG				REMOTE GFCI MODULE
	TV				OUTLET FOR TELEVISION
					CORD REEL
					JUNCTION BOX
					BLANK BOX
					SURFACE-MOUNTED RACEWAY WITH RECEPTACLES IN LOCATIONS INDICATED

RECEPTACLE DESIGNATIONS
"X" INDICATED THE FOLLOWING:
BLANK - 20A, 125VAC
F - FLUSH IN FLOOR, 20A, 125VAC
H - HORIZONTALLY MOUNTED, 20A, 125VAC
IG - ISOLATED GROUND, 20A, 125VAC
OS - CONTROLLED BY OCCUPANCY SENSOR
T - TAMPER RESISTANT, 20A, 125VAC
S - SURFACE MOUNTED, 20A, 125VAC
WP - WEATHERPROOF IN-USE, 20A, 125VAC
X - MOUNTED IN EXISTING OUTLET BOX, 20A, 125VAC

EQUIPMENT NAMING CONVENTION

POWER DISTRIBUTION NAMING

X X X XX X X

- FLOOR NUMBER: B - BASEMENT; 1 - 1ST FLOOR; 2 - 2ND FLOOR
- CLASS: BLANK OR N - NORMAL; C - CRITICAL; E - EQUIPMENT; G - GENERATOR; L - LIFE SAFETY; U - UPS
- SEQUENTIAL PANEL NUMBER
- VOLTAGE: 2 - 208/120; 4 - 480/277
- FLOOR PLAN UNIT: A - UNIT A; B - UNIT B
- EQUIPMENT TYPE: BLANK OR PB - PANELBOARD; DP - DISTRIBUTION PANELBOARD; SW - SWITCHBOARD; XR - TRANSFORMER

PHASING NOTE:

THIS PROJECT INTERFACES EXTENSIVELY WITH EXISTING BUILDING SERVICES. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE AND PHASE ALL TIE-INS AND INTERRUPTIONS OF EXISTING SERVICES TO MINIMIZE OR ELIMINATE DOWNTIME AS AN EXAMPLE, MAIN GAS SERVICE, WATER SERVICE, ELECTRICAL SERVICE, HVAC SERVICES, STEAM GENERATION, ETC., WILL BE AFFECTED AND REPLACED OR MOVED DURING THIS PROJECT. THE CONTRACTOR SHALL INSTALL ALL NEW SERVICES AND EQUIPMENT AND HAVE THEM TESTED AND FULLY AND RELIABLY FUNCTIONAL PRIOR TO INTERRUPTING, RELOCATING OR REMOVING ANY EXISTING SERVICES. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO BARE ANY AND ALL COSTS ASSOCIATED WITH THIS PHASING, INCLUDING TEMPORARY SERVICES, TEMPORARY RELOCATION, PREMIUM TIME WORK, ETC. CONTRACTOR SHALL COORDINATE ALL SAID WORK WITH THE OWNER AND APPLICABLE UTILITIES PER THE CONTRACT DOCUMENTS.

NOTE:
NOT ALL INFORMATION ON THIS SHEET WILL BE USED IN THIS PROJECT

FEEDER & BRANCH CIRCUIT SCHEDULE (COPPER)

FEEDER/BRANCH CIRCUIT LABEL	CONDUCTOR SIZE PER CONDUIT: PHASE & NEUTRAL	CONDUCTOR SIZE PER CONDUIT: EQUIP/SERV GROUND	CONDUIT SIZE & QUANTITY: 1P,1N,1G 2P,1G	2P,1N,1G 3P,1G	3P,1N,1G 3P,1N	3P,2N,1G	3P,3N,1G	3P,1N,2G
F20	12	12	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"
F30	10	10	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"
F40	8	10	3/4"	3/4"	1"	1"	1"	1"
F50	6	10	1"	1"	1"	1-1/4"	1-1/4"	1"
F60	4	10	1"	1"	1-1/4"	1-1/4"	1-1/4"	1-1/4"
F70	4	8	1"	1-1/4"	1-1/4"	1-1/4"	1-1/2"	1-1/4"
F80	3	8	1"	1-1/4"	1-1/4"	1-1/2"	1-1/2"	1-1/4"
F90	2	8	1"	1-1/4"	1-1/2"	1-1/2"	2"	1-1/2"
F100	1	8	1-1/4"	1-1/2"	1-1/2"	2"	2"	2"
F110	1	6	1-1/4"	1-1/2"	2"	2"	2-1/2"	2"
F125	1/0	6	1-1/4"	1-1/2"	2"	2"	2-1/2"	2"
F150	1/0	6	1-1/4"	1-1/2"	2"	2"	2-1/2"	2"
F175	2/0	6	1-1/2"	2"	2"	2-1/2"	2-1/2"	2"
F200	3/0	6	1-1/2"	2"	2"	2-1/2"	3"	2-1/2"
F225	4/0	4	2"	2"	2-1/2"	3"		2-1/2"
F250	250	4	2"	2-1/2"	3"	3"		3"
F300	350	4	2"	2-1/2"	3"	3-1/2"		3"
F350	500	3	2-1/2"	3"	3-1/2"	4"		3-1/2"
F400	3/0	3	(2) 1-1/2"	(2) 2"	(2) 2-1/2"	(2) 2-1/2"		(2) 2-1/2"
F400	500	2	(1) 4"	(1) 4"	(1) 4"	(1) 4"		(1) 4"
F400U	750	750			(1) 4"			
F450	4/0	2	(2) 2"	(2) 2"	(2) 2-1/2"	(2) 3"		(2) 2-1/2"
F500	250	2	(2) 2"	(2) 2-1/2"	(2) 3"	(2) 3"		(2) 3"
F600	350	1	(2) 2-1/2"	(2) 3"	(2) 3"	(2) 3-1/2"		(2) 3"
F700	500	1/0	(2) 2-1/2"	(2) 3"	(2) 3-1/2"	(2) 4"		(2) 3-1/2"
F800	350	2/0	(3) 2-1/2"	(3) 3"	(3) 3"	(3) 3-1/2"		(3) 3"
F800	500	2	(2) 4"	(2) 4"	(2) 4"	(2) 4"		(2) 4"
F800U	750	750			(2) 4"			
F900	350	2/0	(3) 2-1/2"	(3) 3"	(3) 3"	(3) 3-1/2"		
F1000	500	2/0	(3) 2-1/2"	(3) 3"	(3) 3-1/2"	(3) 4"		
F1200	350	3/0	(4) 2-1/2"	(4) 3"	(4) 3"	(4) 3-1/2"		
F1200U	750	750			(3) 4"			
F1600	500	4/0	(5) 3"	(5) 3"	(5) 3-1/2"	(5) 4"		
F1600U	750	750			(4) 4"			
F2000	500	250	(6) 3"	(6) 3"	(6) 3-1/2"	(6) 4"		
F2000U	750	750			(5) 4"			
F2500	500	350	(7) 4"	(7) 3-1/2"	(7) 3-1/2"	(7) 4"		
F2500U	750	750			(6) 4"			
F3000	500	500	(8) 4"		(8) 4"	(8) 4"		
F3000U	750	750			(7) 4"			
FUTILITY	BY UTILITY	BY UTILITY		BY UTILITY				

ALL FEEDERS FROM UTILITY TRANSFORMER SHALL BE SCHEDULE 80 PVC.

VFD FEEDER & BRANCH CIRCUIT SCHEDULE (COPPER)

FEEDER/BRANCH CIRCUIT LABEL	CONDUCTOR SIZE PER CONDUIT: PHASE	EQUIPMENT GROUND	SIGNAL	OUTER SHIELD	CONDUIT SIZE & QUANTITY: EMT	IMC	RMC	LFMC
F20V	(3)#12	(1)#12	N/A	BRAIDED	(1)1"	(1)1"	(1)1"	(1)1"
F20VS	(3)#12	(1)#12	(2)#12	BRAIDED	(1)1-1/2"	(1)1-1/4"	(1)1-1/2"	(1)1-1/2"
F30V	(3)#10	(1)#10	N/A	BRAIDED	(1)1-1/4"	(1)1"	(1)1-1/4"	(1)1-1/4"
F30VS	(3)#10	(1)#10	(2)#12	BRAIDED	(1)1-1/2"	(1)1-1/2"	(1)1-1/2"	(1)1-1/2"
F40V	(3)#8	(1)#10	N/A	BRAIDED	(1)1-1/2"	(1)1-1/4"	(1)1-1/2"	(1)1-1/2"
F40VS	(3)#8	(1)#10	(2)#12	BRAIDED	(1)1-1/2"	(1)1-1/2"	(1)1-1/2"	(1)1-1/2"
F50V	(3)#6	(1)#10	N/A	BRAIDED	(1)1-1/2"	(1)1-1/4"	(1)1-1/2"	(1)1-1/2"
F50VS	(3)#6	(1)#10	(2)#12	BRAIDED	(1)2"	(1)1-1/2"	(1)1-1/2"	(1)2"
F60V	(3)#4	(1)#10	N/A	BRAIDED	(1)2"	(1)2"	(1)2"	(1)2"
F60VS	(3)#4	(1)#10	(2)#12	BRAIDED	(1)2"	(1)2"	(1)2"	(1)2"
F70V	(3)#4	(1)#8	N/A	BRAIDED	(1)2"	(1)2"	(1)2"	(1)2"
F70VS	(3)#4	(1)#8	(2)#12	BRAIDED	(1)2"	(1)2"	(1)2"	(1)2"
F80V	(3)#3	(1)#8	N/A	BRAIDED	(1)2"	(1)2"	(1)2"	(1)2"
F80VS	(3)#3	(1)#8	(2)#12	BRAIDED	(1)2"	(1)2"	(1)2"	(1)2"
F90V	(3)#2	(1)#8	N/A	BRAIDED	(1)2"	(1)2"	(1)2"	(1)2"
F90VS	(3)#2	(1)#8	(2)#12	BRAIDED	(1)2"	(1)2"	(1)2"	(1)2"
F100V	(3)#1	(1)#8	N/A	BRAIDED	(1)2"	(1)2"	(1)2"	(1)2"
F100VS	(3)#1	(1)#8	(2)#12	BRAIDED	(1)2"	(1)2"	(1)2"	(1)2"
F110V	(3)#1	(1)#6	N/A	HELICAL	(1)2"	(1)2"	(1)2"	(1)2"
F110VS	(3)#1	(1)#6	(2)#12	HELICAL	(1)2"	(1)2"	(1)2"	(1)2"
F125V	(3)#1/0	(1)#6	N/A	HELICAL	(1)2-1/2"	(1)2"	(1)2"	(1)2-1/2"
F125VS	(3)#1/0	(1)#6	(2)#12	HELICAL	(1)2-1/2"	(1)2"	(1)2"	(1)2-1/2"
F200V	(3)#3/0	(1)#6	N/A	HELICAL	(1)2-1/2"	(1)2-1/2"	(1)2-1/2"	(1)2-1/2"
FVS200	(3)#3/0	(1)#6	(2)#12	HELICAL	(1)2-1/2"	(1)2-1/2"	(1)2-1/2"	(1)2-1/2"

SIZING IS BASED ON BELDON #295XX SERIES VFD MULTICONDUCTOR CABLE WITH 300% GROUND.

POWER DISTRIBUTION

OR	DISTRIBUTION PANELBOARD
	BRANCH PANELBOARD - SURFACE MOUNT
	BRANCH PANELBOARD - RECESSED MOUNT
	PAD MOUNTED TRANSFORMER
MSB	MAIN SWITCHBOARD
ATS	AUTOMATIC TRANSFER SWITCH
	WORKING CLEARANCE ABOUT ELECTRICAL EQUIPMENT
GROUND NEUTRAL PHASE	ARROW(S) INDICATE(S) HOME RUN AND NUMBER OF CIRCUITS. HASHMARKS INDICATE-NUMBER OF CONDUCTORS.
	GROUND WIRE
	PHASE WIRE
	NEUTRAL WIRE
	DIRECT CONNECTION TO EQUIPMENT
	GROUND ROD
	NON FUSED DISCONNECT
	FUSED DISCONNECT
	COMBINATION MOTOR STARTER
	VARIABLE FREQUENCY DRIVE
$MS	MOTOR RATED SWITCH
	PUSHBUTTON
	PUSH BUTTON CONTROL STATION

LINE SYMBOLS

	LIGHT/SCREENED SOLID LINES INDICATE EXISTING TO REMAIN
	HEAVY DASHED LINES INDICATE EXISTING TO BE REMOVED
	HEAVY CONTINUOUS LINES INDICATE NEW WORK
	HEAVY VARIOUS DASHED LINES INDICATE PANELBOARD ZONES

NOTE SYMBOLS

1	DEMOLITION PLAN NOTE
1	NEW WORK PLAN NOTE
3 / E501	DETAIL NUMBER / SHEET NUMBER — DETAIL REFERENCE
2 / E301	SECTION REFERENCE
	NEW TO EXISTING
	DEMO TO THIS POINT

GENERAL SYMBOLS & ABBREVIATIONS

A. WHERE DIFFERENT RECESSED ELECTRICAL DEVICES WITH THE SAME MOUNTING HEIGHTS ARE INDICATED SIDE-BY-SIDE, MOUNT THE DEVICES SO THAT THERE IS FOUR INCHES BETWEEN ADJACENT VERTICAL EDGES.

B. WHERE ELECTRICAL DEVICES WITH DIFFERENT MOUNTING HEIGHTS ARE LOCATED IN THE SAME AREA ALIGN DEVICES VERTICALLY THROUGH THEIR CENTERLINES.

C. INSTALL SEPARATE INDEPENDENT NEUTRAL CONDUCTORS FOR ALL 120V AND 277V CIRCUITS. DO NOT SHARE NEUTRALS.

D. ALL EXIT FIXTURES AND FIXTURES INDICATED WITH "NL" SHALL BE UNSWITCHED.

E. UNLESS OTHERWISE NOTED, PROVIDE FEEDERS AND BRANCH CIRCUITS WHICH HAVE AN AMPACITY EQUAL TO OR GREATER THAN THE CIRCUIT OVERCURRENT PROTECTIVE DEVICE RATING SERVING THE CIRCUIT. REFER TO CIRCUIT SIZING SCHEDULE FOR SIZES OF FEEDERS AND BRANCH CIRCUITS.

F. REFER TO LIFE SAFETY PLAN FOR FIRE-RATING REQUIREMENTS. DIVISION 26 CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING FIRE-RATED DEVICES/SEALS AS SHOWN ON ELECTRICAL DRAWINGS AND AS REQUIRED BASED ON LIFE SAFETY PLAN INFORMATION.

G. PER NEC ARTICLE 110.26(A) AND 110.26(F) THE DEDICATED ELECTRICAL SPACE INCLUDES THE SPACE DEFINED BY EXTENDING THE FOOTPRINT OF THE ELECTRICAL EQUIPMENT (INCLUDING BUT NOT LIMITED TO SWITCHBOARDS, PANELBOARDS, TRANSFORMERS, MOTOR CONTROLLERS) FROM THE FLOOR TO A HEIGHT OF 6'-0" ABOVE THE HEIGHT OF THE EQUIPMENT OR TO THE STRUCTURAL CEILING, WHICH EVER IS LOWER. THE DEDICATED ELECTRICAL SPACE MUST BE CLEAR OF ANY PIPING, DUCTS, LEAK PROTECTION APPARATUS, OR EQUIPMENT FOREIGN TO THE ELECTRICAL INSTALLATION. PLUMBING, HEATING, VENTILATION, AND AIR-CONDITIONING PIPING, DUCTS, AND EQUIPMENT MUST BE INSTALLED OUTSIDE THE WIDTH AND DEPTH ZONE. CONTRACTOR SHALL MAKE SURE NO PIPING OR DUCT WORK IS INSTALLED ABOVE THE ELECTRICAL EQUIPMENT. COORDINATE THESE REQUIREMENTS WITH ALL OTHER TRADES PRIOR TO INSTALLATION.

H. ALL WORK SHALL CONFORM TO OR EXCEED THE MINIMUM REQUIREMENTS OF THE CURRENT ADOPTED AND APPLICABLE ANSI/NFPA 70 WITH STATE AMENDMENTS, ENERGY CODE, ANSI/IEEE C2, AND ALL FEDERAL, STATE, LOCAL, AND MUNICIPAL CODES AND ORDINANCES. THE ELECTRICAL CONTRACTOR SHALL COMPLY WITH THE DIRECTIONS OF ALL AUTHORITIES HAVING JURISDICTION.

I. REFER TO THE ARCHITECTURAL DRAWINGS FOR CEILING WORK BY THE GENERAL CONTRACTOR. COORDINATE ALL ELECTRICAL WORK WITH THE GENERAL CONTRACTOR.

J. PROVIDE PENETRATIONS THROUGH ALL FLOORS, WALLS, CEILINGS, AND OTHER CONSTRUCTION ELEMENTS REQUIRED TO COMPLETE HIS WORK. PROVIDE PROPER FIRE SAFEING FOR ALL PENETRATIONS MADE. PROVIDE APPROPRIATE SEALANT (I.E. FIRESAFEING) TO MAINTAIN CONSTRUCTION INTEGRITY FOR ANY PENETRATIONS THROUGH FLOORS, STRUCTURAL CEILING, AND FIRE WALLS.

K. ALL FEEDER NEUTRAL / GROUNDED CONDUCTORS SHALL BE CONSIDERED CURRENT CARRYING. DERATE / ADJUST MULTIPLE CONDUCTORS IN A RACEWAY IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE.

L. INSTALL ALL CONDUITS, RACEWAYS, AND CABLE TRAY FOR MAXIMUM HEAD CLEARANCE IN MECHANICAL AREAS.

M. NEW DEVICES SHALL MATCH EXISTING DEVICES AND COVERPLATES.

N. CEILING MOUNTED DEVICES TO REMAIN SHALL BE SUPPORTED FROM STRUCTURE DURING CONSTRUCTION AND REINSTALLED IN NEW CEILING.

O. COORDINATE ALL ELECTRICAL WORK WITH ALL OTHER TRADES TO ENSURE EFFECTIVE AND EFFICIENT OVERALL INSTALLATION.

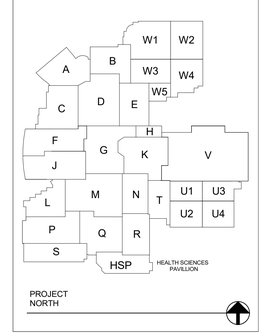
P. ALL CEILING DEVICES SHALL BE INDEPENDENTLY SUPPORTED FROM CEILING/CEILING TILES AND ATTACHED TO CEILING/CEILING TILE.

Q. LABEL ALL DEVICES, CONDUITS, JUNCTION BOXES, ETC.

(NOTES APPLY TO ALL ELECTRICAL DRAWINGS)

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1	10/27/2026	ADDENDUM 2



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(317) 617-4270

TECHNOLOGY:
Design 27
1650 E. 49th Street
Indianapolis, Indiana 46205
(317) 536-8000

Project Name:
Franklin Central High School Health Sciences Pavilion

Drawing Title:
ELECTRICAL SYMBOLS AND ABBREVIATIONS

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

Client Project No:	
VPS Project No:	2025019.00
Project Issue Date:	09.16.2026
Drawing No:	E-001

GENERAL LIGHTING NOTES

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

B COORDINATE ALL DEVICE LOCATIONS WITH ARCHITECT AND INTERIOR DESIGNER.

C PROVIDE LABELS ON ALL EQUIPMENT MODIFIED BY THIS PROJECT. PROVIDE LABELS ON ALL JUNCTION BOXES AND CONDUITS MODIFIED OR PROVIDED BY THIS PROJECT. PROVIDE UPDATED PANELBOARD DIRECTORIES ON ALL PANELBOARDS MODIFIED BY THIS PROJECT.

D NOT ALL PLAN NOTES ARE USED ON THIS SHEET.

◯ LIGHTING PLAN NOTES

3 INSTALL BOTTOM OF LIGHT FIXTURE WITH ADJACENT CLOUD AT +8'-6". REFER TO ARCHITECTURAL PLANS FOR MORE INFORMATION.

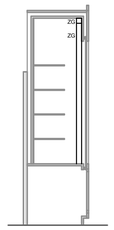
4 INSTALL BOTTOM OF LIGHT FIXTURE WITH ADJACENT CLOUD AT +9'-0". REFER TO ARCHITECTURAL PLANS FOR MORE INFORMATION.

5 INSTALL BOTTOM OF LIGHT FIXTURE WITH ADJACENT CLOUD AT +9'-6". REFER TO ARCHITECTURAL PLANS FOR MORE INFORMATION.

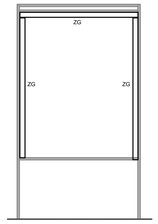
6 INSTALL BOTTOM OF LIGHT FIXTURE WITH ADJACENT CLOUD AT +10'-0". REFER TO ARCHITECTURAL PLANS FOR MORE INFORMATION.

7 PROVIDE DISPLAY CASE LIGHTING. REFER TO ELEVATION DISPLAY CASE LIGHTING AND SECTION DISPLAY CASE LIGHTING FOR INSTALLATION IN THE HORIZONTAL AND VERTICAL ON EACH SIDE. INSTALL LIGHTING TO ILLUMINATE THE SIDES AND BACK OF DISPLAY CASE.

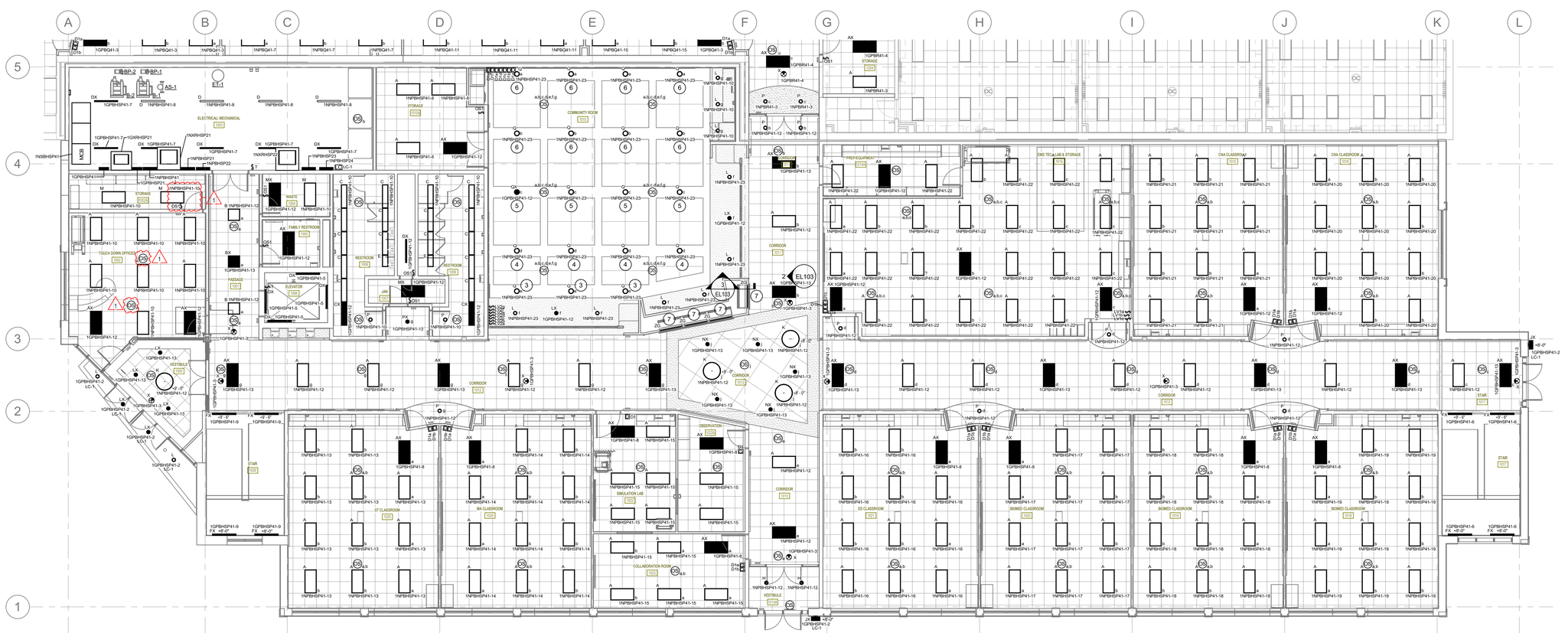
8 SWITCHING FOR WHITE AND RED LEDS IN OPERATING ROOM LIGHTS.



3 **SECTION DISPLAY CASE LIGHTING**
1/2" = 1'-0"



2 **ELEVATION DISPLAY CASE LIGHTING**
1/2" = 1'-0"



1 **ELECTRICAL LIGHTING FIRST FLOOR PLAN - UNIT HSP**
1/8" = 1'-0"

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TECHNOLOGY:
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Project Name:

Franklin Central High School Health Sciences Pavilion

Drawing Title:

ELECTRICAL LIGHTING FIRST FLOOR PLAN - UNIT HSP

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

Client Project No:

VPS Project No: **2025019.00**

Project Issue Date: **09.16.2026**

Drawing No: **EL103**

GENERAL LIGHTING NOTES

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

B COORDINATE ALL DEVICE LOCATIONS WITH ARCHITECT AND INTERIOR DESIGNER.

C PROVIDE LABELS ON ALL EQUIPMENT MODIFIED BY THIS PROJECT. PROVIDE LABELS ON ALL JUNCTION BOXES AND CONDUITS MODIFIED OR PROVIDED BY THIS PROJECT. PROVIDE UPDATED PANELBOARD DIRECTORIES ON ALL PANELBOARDS MODIFIED BY THIS PROJECT.

D NOT ALL PLAN NOTES ARE USED ON THIS SHEET.

◯ LIGHTING PLAN NOTES

3 INSTALL BOTTOM OF LIGHT FIXTURE WITH ADJACENT CLOUD AT +8'-6". REFER TO ARCHITECTURAL PLANS FOR MORE INFORMATION.

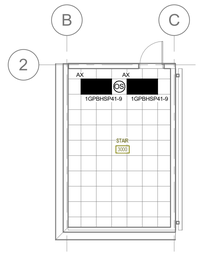
4 INSTALL BOTTOM OF LIGHT FIXTURE WITH ADJACENT CLOUD AT +9'-0". REFER TO ARCHITECTURAL PLANS FOR MORE INFORMATION.

5 INSTALL BOTTOM OF LIGHT FIXTURE WITH ADJACENT CLOUD AT +9'-6". REFER TO ARCHITECTURAL PLANS FOR MORE INFORMATION.

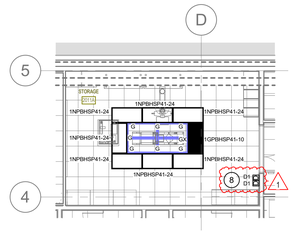
6 INSTALL BOTTOM OF LIGHT FIXTURE WITH ADJACENT CLOUD AT +10'-0". REFER TO ARCHITECTURAL PLANS FOR MORE INFORMATION.

7 PROVIDE DISPLAY CASE LIGHTING. REFER TO ELEVATION DISPLAY CASE LIGHTING AND SECTION DISPLAY CASE LIGHTING FOR INSTALLATION IN THE HORIZONTAL AND VERTICAL ON EACH SIDE. INSTALL LIGHTING TO ILLUMINATE THE SIDES AND BACK OF DISPLAY CASE.

8 SWITCHING FOR WHITE AND RED LEDS IN OPERATING ROOM LIGHTS.



2 ELECTRICAL LIGHTING THIRD FLOOR PLAN - UNIT HSP
1/8" = 1'-0"



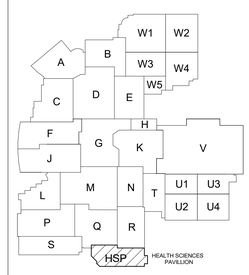
3 ELECTRICAL LIGHTING SECOND FLOOR PLAN OR ALTERNATE - UNIT HSP
1/8" = 1'-0"



1 ELECTRICAL LIGHTING SECOND FLOOR PLAN - UNIT HSP
1/8" = 1'-0"

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Project Name:

Franklin Central High School Health Sciences Pavilion

Drawing Title:

ELECTRICAL LIGHTING SECOND FLOOR PLAN - UNIT HSP

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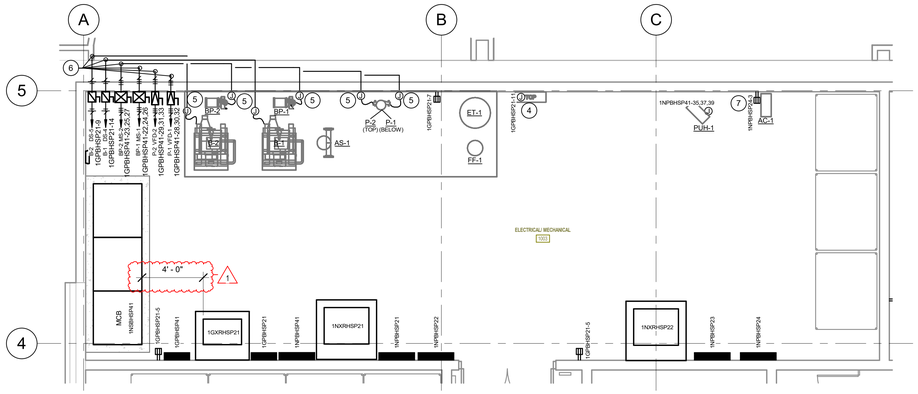
Client Project No:	
VPS Project No:	2025019.00
Project Issue Date:	09.16.2026
Drawing No:	EL104

GENERAL ENLARGED POWER NOTES

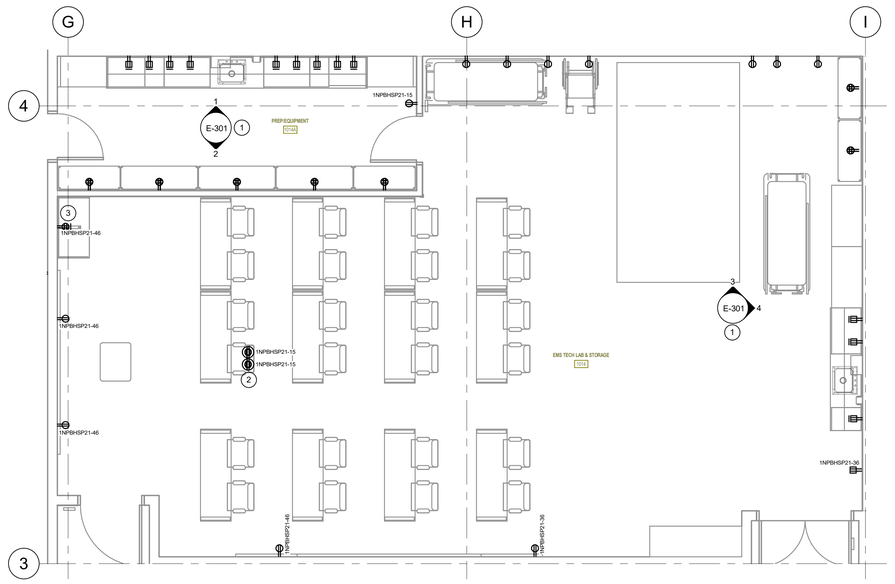
A REFER TO ELECTRICAL SYMBOLS AND ABBREVIATIONS SHEET E-001 FOR ADDITIONAL INFORMATION.

ENLARGED POWER PLAN NOTES

1. REFER TO ELEVATION FOR CIRCUITING, MOUNTING HEIGHT, AND QUANTITY OF DEVICES.
2. REFER TO TECHNOLOGY DRAWINGS FOR MOUNTING INFORMATION.
3. LOCATION OF TEACHERS STATION.
4. PROVIDE POWER CONNECTION FOR TCC PANEL. COORDINATE LOCATION WITH DIVISION 23.
5. PROVIDE JUNCTION BOX MOUNTED FROM ABOVE TO SERVE MECHANICAL EQUIPMENT. COORDINATE ELEVATION OF JUNCTION BOX WITH MECHANICAL EQUIPMENT. PROVIDE LFMC FROM JUNCTION BOX TO MECHANICAL EQUIPMENT.
6. ROUTE CONDUIT HIGH ON WALL AND COORDINATE TO MISS MECHANICAL EQUIPMENT AND PIPES.
7. PROVIDE POWER CONNECTION FOR TCC PANEL. COORDINATE LOCATION WITH DIVISION 23.



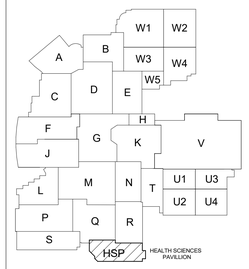
2 ENLARGED ELECTRICAL POWER FIRST FLOOR PLAN ROOM 1003
1/4" = 1'-0"



1 ENLARGED ELECTRICAL POWER FIRST FLOOR PLAN ROOM 1014 AND 1014A
1/4" = 1'-0"

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Project Name:

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Drawing Title:

ELECTRICAL ENLARGED PLANS

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

Client Project No:	
VPS Project No:	2025019.00
Project Issue Date:	09.16.2026
Drawing No:	E-401

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 SUBMITT LIGHTING PER APPROPRIATE SPECIFICATION SECTION.

INTERIOR/EXTERIOR/EMERGENCY & EXIT LIGHT FIXTURES SCHEDULE

LABEL	DESCRIPTION	VOLTAGE	SOURCE TYPE	LUMENS	WATTS	CCT	MOUNTING	LENS/REFLECTOR	CERTIFICATIONS	ACCEPTABLE MANUFACTURERS	LABEL
A	2X4 LED FLAT PANEL. 0-10V DIMMING.	120/277 V	LED	5,000 LM	40 W	4000 K / 80 CRI	RECESSED	WHITE FROST ACRYLIC	DLC	METALUX CGTS COLUMBIA CFP24 LITHONIA CPX DAY-BRITE LIGHTING SBP SERIES ENERGY HARNESS	A
AX	2X4 LED FLAT PANEL. 0-10V DIMMING. INTEGRAL BATTERY INVERTER.	120/277 V	LED	5,000 LM	40 W	4000 K / 80 CRI	RECESSED	WHITE FROST ACRYLIC	DLC	METALUX CGTS COLUMBIA CFP24 LITHONIA CPX DAY-BRITE LIGHTING SBP SERIES ENERGY HARNESS	AX
B	2X2 LED FLAT PANEL. 0-10V DIMMING.	120/277 V	LED	4,000 LM	36 W	4000 K / 80 CRI	RECESSED	WHITE FROST ACRYLIC	DLC	METALUX CGTS COLUMBIA CFP24 LITHONIA CPX DAY-BRITE LIGHTING SBP SERIES ENERGY HARNESS	B 1
BX	2X2 LED FLAT PANEL. 0-10V DIMMING. INTEGRAL BATTERY INVERTER.	120/277 V	LED	4,000 LM	36 W	4000 K / 80 CRI	RECESSED	WHITE FROST ACRYLIC	DLC	METALUX CGTS COLUMBIA CFP24 LITHONIA CPX DAY-BRITE LIGHTING SBP SERIES ENERGY HARNESS	BX
C	1X4 LED FLAT PANEL. 0-10V DIMMING.	120/277 V	LED	2,000 LM	17 W	4000 K / 80 CRI	RECESSED	WHITE FROST ACRYLIC	DLC	METALUX CGTS COLUMBIA CFP14 LITHONIA CPX DAY-BRIGHT LIGHTING SBP SERIES ENERGY HARNESS	C
CX	1X4 LED FLAT PANEL. 0-10V DIMMING. INTEGRAL BATTERY INVERTER.	120/277 V	LED	2,000 LM	17 W	4000 K / 80 CRI	RECESSED	WHITE FROST ACRYLIC	DLC	METALUX CGTS COLUMBIA CFP14 LITHONIA CPX DAY-BRIGHT LIGHTING SBP SERIES ENERGY HARNESS	CX
D	4' LENSED LED STRIP LIGHT. 0-10V DIMMING, WHITE FINISH.	120/277 V	LED	5,400 LM	41 W	4000 K / 80 CRI	CABLE MOUNTED TO STRUCTURE	SEMI-FROSTED LENS	DLC	LITHONIA ZL1D METALUX SNLED COLUMBIA MPS DAY-BRIGHT FSS	D
DX	4' LENSED LED STRIP LIGHT. 0-10V DIMMING, WHITE FINISH. INTEGRAL BATTERY INVERTER.	120/277 V	LED	5,400 LM	41 W	3500 K	CHAIN MOUNTED TO STRUCTURE	SEMI-FROSTED LENS	DLC	METALUX SNLED COLUMBIA MPS LITHONIA ZL1D METALUX SNLED COLUMBIA MPS DAY-BRIGHT FSS	DX
E	1X2 LED FLAT PANEL. 0-10V DIMMING.	120/277 V	LED	2,000 LM	10 W	4000 K / 80 CRI	RECESSED	WHITE FROST ACRYLIC	DLC	METALUX CGTS COLUMBIA CFP14 LITHONIA CPX DAY-BRIGHT LIGHTING 1FGX SERIES ENERGY HARNESS	E 1
FX	4' LENSED LED LIGHT, STEP DIMMING, INTEGRAL OCCUPANCY SENSOR, FROSTED POLYCARBONATE LENS, WIDE DISTRIBUTION, WHITE FINISH, INTEGRAL BATTERY INVERTER	120/277 V	LED	4,500 LM	40 W	4000 K / 80 CRI	SURFACE MOUNTED	SEMI-FROSTED LENS	N/A	METALUX SWLED COLUMBIA LIGHTING ESL SERIES LITHONIA LGHTING BLWP SERIES DAY-BRITE LIGHTING FLP SERIES	FX
G 2	2X4 OR TROFFER. 0-10V DIMMING. GASKETED LENS AND HOUSING. ALUMINUM HOUSING. STEEL DOOR. RED LEDS. IP65 RATED.	120/277 V	LED	11,400 LM	109 W	4000 K / 80 CRI	RECESSED	WHITE FROST ACRYLIC	DLC	FAIL SAFE OR KURTZON LIGHTING ML-OR SERIES NIGHTINGALE LIGHTING HSTLE SERIES KENALL LIGHTING M4SEDI SERIES	G
GX	2X4 OR TROFFER. 0-10V DIMMING. GASKETED LENS AND HOUSING. ALUMINUM HOUSING. STEEL DOOR. RED LEDS. IP65 RATED. INTEGRAL BATTERY INVERTER.	120/277 V	LED	11,400 LM	109 W	4000 K / 90 CRI	RECESSED	WHITE FROST ACRYLIC	DLC	FAIL SAFE OR KURTZON LIGHTING ML-OR SERIES NIGHTINGALE LIGHTING HSTLE SERIES KENALL LIGHTING M4SEDI SERIES	GX
H	~~6" ROUND LED DOWNLIGHT. SELF-FLANGED TRIM. 0-10V DIMMING.~~	120/277 V	LED	3,000 LM	34 W	4000 K / 90 CRI	RECESSED	DIFFUSE IMPACT RESISTANT POLYCARBONATE LENS	N/A	HALO HC6 PRESCOLITE LTR-6RD LITHONIA LDN6 LIGHTOILER LIGHTING M6R SERIES	H
JX	LED WALL LIGHT. DIE-CAST ALUMINUM HOUSING. HINGED DOOR FRAME. DARK BRONZE FINISH. U.L. LISTED FOR WET LOCATIONS. 2X4 LED FLAT PANEL. 0-10V DIMMING. INTEGRAL BATTERY INVERTER.	120/277 V	LED	5,500 LM	50 W	4000 K	WALL MOUNTED	TYPE III DISTRIBUTION	N/A	MCGRAW-EDISON ISS SPAULDING QSP LITHONIA WSQ UTOPIA LIGHTING UDL7-2G SERIES	JX
K	36" DIA. EXTRUDED ALUMINUM CIRCULAR LED PENDANT, AIR CRAFT CABLE MOUNTING, DIRECT LED PENDANT, COLOR BY ARCHITECT, 0-10V DIMMING TO 1%	120/277 V	LED	5,100 LM	80 W	4000 K 80 CRI	AIRCRAFT CABLE	FLAT WHITE ACRYLIC LENS	N/A	CAMMAN P1022 EUREKA 4800 ALW LIGHTING 1.5 SERIES LIGHTOILER LIGHTING M6R SERIES	K
L	6" ROUND LED DOWNLIGHT. SELF-FLANGED TRIM. 0-10V DIMMING.	120/277 V	LED	2,000 LM	23 W	4000 K / 80 CRI	RECESSED	DIFFUSE IMPACT RESISTANT POLYCARBONATE LENS	N/A	HALO HC6 PRESCOLITE LTR-6RD LITHONIA LDN6 LIGHTOINER LIGHTING M6R SERIES	L
LX	6" ROUND LED DOWNLIGHT. SELF-FLANGED TRIM. 0-10V DIMMING. 0-10V DIMMING. INTEGRAL BATTERY INVERTER.	120/277 V	LED	2,000 LM	23 W	4000 K / 80 CRI	RECESSED	DIFFUSE IMPACT RESISTANT POLYCARBONATE LENS	N/A	HALO HC6 PRESCOLITE LTR-6RD LITHONIA LDN6 LIGHTOILER LIGHTING M6R SERIES	LX
M	2X4 LED FLAT PANEL. 0-10V DIMMING.	120/277 V	LED	3,000 LM	25 W	4000 K / 80 CRI	RECESSED	WHITE FROST ACRYLIC	DLC	METALUX CGTS COLUMBIA CFP24 LITHONIA CPX DAY-BRITE LIGHTING SBP SERIES ENERGY HARNESS	M 1
MX	2X4 LED FLAT PANEL. 0-10V DIMMING.2X4 LED FLAT PANEL. 0-10V DIMMING. INTEGRAL BATTERY INVERTER.	120/277 V	LED	3,000 LM	25 W	4000 K / 80 CRI	RECESSED	WHITE FROST ACRYLIC	DLC	METALUX CGTS COLUMBIA CFP24 LITHONIA CPX DAY-BRITE LIGHTING SBP SERIES ENERGY HARNESS	MX
NX	6" ROUND LED DOWNLIGHT. SELF-FLANGED TRIM. 0-10V DIMMING. INTEGRAL BATTERY INVERTER.	120/277 V	LED	1,000 LM	23 W	4000 K / 80 CRI	RECESSED IN CEILING	DIFFUSE IMPACT RESISTANT POLYCARBONATE LENS	N/A	HALO HC6 PRESCOLITE LTR-6RD LITHONIA LDN6 LIGHTOILER LIGHTING M6R SERIES	NX
P	6" ROUND LED DOWNLIGHT. SELF-FLANGED TRIM. 0-10V DIMMING.	120/277 V	LED	1,000 LM	10 W	4000 K / 80 CRI	RECESSED	DIFFUSE IMPACT RESISTANT POLYCARBONATE LENS	N/A	HALO COMMERCIAL PRESCOLITE LTR-6RD LITHONIA LDN6 LIGHTOILER LIGHTING M6R SERIES	P
PX	6" ROUND LED DOWNLIGHT. SELF-FLANGED TRIM. 0-10V DIMMING, INTEGRAL BATTERY INVERTER	120/277 V	LED	1,000 LM	10 W	4000 K / 80 CRI	RECESSED	DIFFUSE IMPACT RESISTANT POLYCARBONATE LENS	N/A	HALO COMMERCIAL PRESCOLITE LTR-6RD LITHONIA LDN6 LIGHTOILER LIGHTING M6R SERIES	PX
Q	8" LED CYLINDER, BLACK FINISH, MEDIUM DISTRIBUTION	120/277 V	LED	12,000 LM	120 W	4000 K / 80 CRI	AIRCRAFT CABLE	SEMI-SPECULAR CLEAR	N/A	HALO HCC8 PRESCOLITE MC10LED LITHONIA LIGHTING LDN8 SERIES SPECTRUM LIGHTING	Q
QX	8" LED CYLINDER, BLACK FINISH, MEDIUM DISTRIBUTION, INTEGRAL BATTERY INVERTER	120/277 V	LED	12,000 LM	120 W	4000 K / 80 CRI	AIRCRAFT CABLE	SEMI-SPECULAR CLEAR	N/A	HALO HCC8 PRESCOLITE MC10LED LITHONIA LIGHTING LDN8 SERIES SPECTRUM LIGHTING	QX
X	LED EXIT LIGHT, WHITE POLYCARBONATE HOUSING, FACES AND ARROWS PER PLANS, 90 MINUTE EMERGENCY BATTERY	120/277 V	LED	N/A	5 W	N/A	UNIVERSAL	N/A	N/A	SURE-LITES LPX DUAL-LITE EVE LITHONIA LQM EXITRONIX LIGHTING VEX SERIES	X
ZG	WALL WASH UPLIGHT, ALUMINUM CHANNEL, COLOR BY ARCHITECT	120/277 V	LED	500LM / FT	100 W	4000 K / 80 CRI	SURFACE	FLAT WHITE ACRYLIC LENS	DLC	BEAMEVER ALTA TAPE WITH SURFACE CHANNEL KLUS DESIGN LED STRIP LUMINII BARA SURFACE OMNI NEO 3 ACOLYTE LIGHTING CHAS3 SERIES	ZG

2

LIGHTING CONTACTORS SCHEDULE

LABEL	EQUIPMENT RATINGS VOLTAGE	AMPERAGE	POLES	NEMA ENCL	ACCESSORIES	COIL CIRCUIT VOLTAGE	PANEL	CIRCUIT	CONTROL	CIRCUIT(S) CONTROLLED	REMARKS
LC-1	600 V	30 A	4	NEMA 1	H-O-A PILOT LIGHT	120 V	1GPBHSP21	1	PHOTOCELL LOCATED ON ROOF	1GPBHSP41-31	

LOW-VOLTAGE DISTRIBUTION TRANSFORMERS SCHEDULE

LABEL	EQUIPMENT SERVED	EQUIPMENT RATINGS KVA	PHASE	TYPE	MOUNT	NEMA ENCL	VOLTAGE PRIMARY	SECONDARY	CONNECTION PRIMARY	SECONDARY	FEEDER SIZES PRIMARY	SECONDARY	GROUNDING / BONDING GEC	SBJ / SSBJ	REMARKS
1GXRHSP21	1GPBHSP21	45	3	DRY	FLOOR	2	480 V	208Y/120	DELTA	WYE	F70	F125	1#4GND, 1"C	1#4GND, 1"C	
1GXRQ41	1GPBQ21	30	3	DRY	FLOOR	2	480 V	208Y/120	DELTA	WYE	F60	F125	1#6GND, 1"C	1#6GND, 1"C	
1NXRHSP21	1NPBHSP21, 1NPBHSP22	150	3	DRY	FLOOR	2	480 V	208Y/120	DELTA	WYE	F150	F200	1#2/0GND, 1"C	1#2/0GND, 1"C	
1NXRHSP22	1NPBHSP23, 1NPBHSP24	150	3	DRY	FLOOR	2	480 V	208Y/120	DELTA	WYE	F150	F200	1#2/0GND, 1"C	1#2/0GND, 1"C	
T2		45	3	DRY	FLOOR	2	480 V	208Y/120	DELTA	WYE	F400	F800	1#4GND, 1"C	1#4GND, 1"C	

ENCLOSED SWITCHES & CIRCUIT BREAKERS SCHEDULE

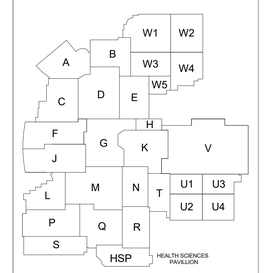
LABEL	EQUIPMENT SERVED	EQUIPMENT RATINGS VOLTAGE	POLES	AMPERAGE	FUSED	FUSE SIZE	NEMA ENCL	ACCESSORIES AUX. CONTACTS	SOLID NEUTRAL	REMARKS
DS-1	ELEVATOR MOTOR	600 V	3	200 A	Yes	200A	1	(1) N.O. / N.C.	No	
DS-2	ELEVATOR LIGHTS	240 V	2	30 A	Yes	20A	1	(1) N.O. / N.C.	Yes	
DS-3	ELEVATOR HVAC	240 V	2	30 A	Yes	20A	1	(1) N.O. / N.C.	Yes	
DS-4	B-1	240 V	2	30 A	Yes	20A	1	(1) N.O. / N.C.	Yes	
DS-5	B-2	240 V	2	30 A	Yes	20A	1	(1) N.O. / N.C.	Yes	
DS-6	CU-1	240 V	2	30 A	Yes	30A	3R	(1) N.O. / N.C.	No	
DS-7	SS-1	240 V	2	30 A	Yes	20A	1	(1) N.O. / N.C.	No	

ENCLOSED & VARIABLE-FREQUENCY MOTOR CONTROLLERS SCHEDULE

LABEL	EQUIPMENT SERVED	EQUIPMENT RATINGS VOLTAGE	PHASE	HP	FLA	NEMA ENCL	STARTER TYPE	NEMA SIZE	DISCONNECT SWITCH TYPE	FUSE SIZE	REMOTE CAPACITOR	REMARKS
		480 V	3	7.5	11.0 A	1	VFD	-	FUSIBLE	PER MFG	-	PROVIDED BY DIVISION 23. INSTALLED BY DIVISION 26.
MS-1	BP-1	480 V	3	1-1/2	3.0 A	1	FVNR	1	FUSIBLE	5.6	-	
MS-2	BP-2	480 V	3	1-1/2	3.0 A	1	FVNR	1	FUSIBLE	5.6	-	
MS-3	EF-2	120 V	1	1/2	9.8 A	1	FVNR	1	FUSIBLE	15	-	
MS-4	EF-3	120 V	1	1/4	5.8 A	1	FVNR	1	FUSIBLE	9	-	
MS-5	EF-1	120 V	1	1/2	9.8 A	1	FVNR	1	FUSIBLE	15	-	
VFD-1	P-1	480 V	3	5	7.6 A	1	VFD	-	FUSIBLE	PER MFG	-	PROVIDED BY DIVISION 23. INSTALLED BY DIVISION 26.
VFD-2	P-2	480 V	3	5	7.6 A	1	VFD	-	FUSIBLE	PER MFG	-	PROVIDED BY DIVISION 23. INSTALLED BY DIVISION 26.

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#	Date	Description
2	10/27/2026	ADDENDUM 2
1	10/16/2026	ADDENDUM 1



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Project Name:

Franklin Central High School Health Sciences Pavilion

Drawing Title:

ELECTRICAL LIGHTING AND EQUIPMENT SCHEDULES

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

Client Project No:	
VPS Project No:	2025019.00
Project Issue Date:	09.16.2026
Drawing No:	E-601

BRANCH PANELBOARD SCHEDULE

DESIGNATION: 1GPBHSP21 | **VOLTS:** 208Y/120 V | **MAINS RATING:** 225 A
LOCATION: RM 1003 | **PHASES:** 3 | **MAINS TYPE:** MCB
MOUNTING: SURFACE | **WIRES:** 4 | **MCB RATING:** 125 A
SUPPLY FROM: 1GXRHSP21 | **AIC RATING:** 22K | **MCB OPTIONS:** X

O	CKT NO.	DESCRIPTION	TRIP	P	A		B		C		P	TRIP	DESCRIPTION	CKT NO.	O
	1	1003 - LIGHTING CONTACTOR	20 A	1	0.00	0.00					1	20 A	2013A - TEMPERATURE CONTROL PANEL	2	
	3	1006 - RECEPTACLE ELEVATOR PIT	20 A	1			0.18	0.50			1	20 A	2021 - RECEPTACLE	4	
	5	1003 - RECEPTACLE	20 A	1					0.36	0.54	1	20 A	2011A - RECEPTACLE CEILING	6	
	7	1003 - RECEPTACLE	20 A	1	0.18	0.50					1	20 A	2021 - RECEPTACLE	8	
	9	1003 - BOILER B-2	20 A	1			1.92	1.77			2	20 A	ROOF - CU-1	10	
	11	1003 - TCC PANEL	20 A	1					0.60	1.77				12	
	13	2021 - RECEPTACLE	20 A	1	0.72	1.92					1	20 A	1003 - BOILER B-1	14	
--	15	SPARE	20 A	1			0.00	0.00			1	20 A	SPARE	16	--
	17								0.50	0.50				18	
	19	2021 - RECEPTACLE SERVER	30 A	2	0.50	0.50					2	30 A	2021 - RECEPTACLE SERVER	20	
	21	1006 - ELEVATOR LIGHTING	20 A	1			0.24	0.00			1	20 A	SPARE	22	--
--	23	ELEVATOR LIGHTING SHUNT TRIP	20 A	1					0.00	0.00	1	20 A	SPARE	24	--
--	25	SPARE	20 A	1	0.00	0.00					1	20 A	SPARE	26	--
--	27	SPARE	20 A	1			0.00	--			1	--	SPACE	28	--
--	29	SPACE	--	1					--	--	1	--	SPACE	30	--
--	31	SPACE	--	1	--	--					1	--	SPACE	32	--
--	33	SPACE	--	1			--	--			1	--	SPACE	34	--
--	35	SPACE	--	1					--	--	1	--	SPACE	36	--
--	37	SPACE	--	1	--	--					1	--	SPACE	38	--
--	39	SPACE	--	1			--	--			1	--	SPACE	40	--
--	41	SPACE	--	1					--	--	1	--	SPACE	42	--
			TOTAL LOAD:		4.32 kVA		4.61 kVA		4.27 kVA						
			TOTAL AMPS:		36 A		38 A		36 A						

TOTAL CONNECTED LOAD: 13 kVA | 13.44 kVA | **TOTAL DEMAND LOAD:**
TOTAL CONNECTED AMPS: 37 A | 37 A | **TOTAL DEMAND AMPS:**

PANELBOARD & CIRCUIT BREAKER OPTIONS ("O" COLUMN / MCB OPTIONS ABBREVIATIONS)		LOAD CLASSIFICATION	CONNECTED LOAD (VA)	DEMAND FACTOR	ESTIMATE DEMAND (VA)
		Mechanical - Motor	7376 VA	103.36%	7624 VA
C	CONTACTOR CONTROLLED	Power - Continuous	0 VA	0.00%	0 VA
G	GFCI PROTECTED	RECEPTACLE	5580 VA	100.00%	5580 VA
P	HANDLE LOCKING DEVICE	LE	0 VA	0.00%	0 VA
S	SHUNT TRIP	LIGHTING	240 VA	100.00%	240 VA
X	80% RATED CIRCUIT BREAKER WITH LSI				
Y	100% RATED CIRCUIT BREAKER WITH LSI				
Z	100% RATED CIRCUIT BREAKER WITH LSIG				
	FEED THROUGH LUGS (FTL)				
	SUB FEED LUGS (SFL)				

NOTES:

BRANCH PANELBOARD SCHEDULE

DESIGNATION: 1GPBQ41 | **VOLTS:** 480Y/277 V | **MAINS RATING:** 100 A
LOCATION: | **PHASES:** 3 | **MAINS TYPE:** MLO
MOUNTING: SURFACE | **WIRES:** 4
SUPPLY FROM: 1NPBQ41 | **AIC RATING:** 65 KAIC

O	CKT NO.	DESCRIPTION	TRIP	P	A		B		C		P	TRIP	DESCRIPTION	CKT NO.	O
	1	1100, 1107 - LIGHTS	20 A	1	0.23	0.00								2	
	3	1103-1106,1108-1111 - LIGHTS	20 A	1			0.32	0.00			3	60 A	1GXRQ41	4	
	5	1101, 1102 - LIGHTING	20 A	1					0.07	0.00				6	
	7					0.00					1	20 A	SPARE	8	--
	9						0.00				1	20 A	SPARE	10	--
	11									0.00	1	20 A	SPARE	12	--
	13					0.00					1	20 A	SPARE	14	--
	15							0.00			1	20 A	SPARE	16	--
	17									0.00	1	20 A	SPARE	18	--
	19					0.00					1	20 A	SPARE	20	--
	21							0.00			1	20 A	SPARE	22	--
	23									0.00	1	20 A	SPARE	24	--
	25					0.00					1	20 A	SPARE	26	--
	27							0.00			1	20 A	SPARE	28	--
	29									0.00	1	20 A	SPARE	30	--
	31					0.00					1	20 A	SPARE	32	--
	33							0.00			1	20 A	SPARE	34	--
	35									0.00	1	20 A	SPARE	36	--
	37					0.00					1	20 A	SPARE	38	--
	39							0.00			1	20 A	SPARE	40	--
	41									0.00	1	20 A	SPARE	42	--
			TOTAL...		0.23 kVA		0.32 kVA		0.07 kVA						
			TOTAL...		1 A		1 A		0 A						

TOTAL CONNECTED LOAD: 620 VA | 0.77 kVA | **TOTAL DEMAND LOAD:**
TOTAL CONNECTED AMPS: 1 A | 1 A | **TOTAL DEMAND AMPS:**

PANELBOARD & CIRCUIT BREAKER OPTIONS ("O" COLUMN / MCB OPTIONS ABBREVIATIONS)		LOAD CLASSIFICATION	CONNECTED LOAD (VA)	DEMAND FACTOR	ESTIMATE DEMAND (VA)
		Lighting - Interior	620 VA	125.00%	775 VA
C	CONTACTOR CONTROLLED				
G	GFCI PROTECTED				
P	HANDLE LOCKING DEVICE				
S	SHUNT TRIP				
X	80% RATED CIRCUIT BREAKER WITH LSI				
Y	100% RATED CIRCUIT BREAKER WITH LSI				
Z	100% RATED MAIN CIRCUIT BREAKER WITH LSIG				
	FEED THROUGH LUGS (FTL)				
	SUB FEED LUGS (SFL)				

NOTES:

BRANCH PANELBOARD SCHEDULE

DESIGNATION: 1GPBQ21 | **VOLTS:** 208Y/120 V | **MAINS RATING:** 125 A
LOCATION: | **PHASES:** 3 | **MAINS TYPE:** MCB
MOUNTING: SURFACE | **WIRES:** 4 | **MCB RATING:** 100 A
SUPPLY FROM: 1GXRQ41 | **AIC RATING:** 65KAIC | **MCB OPTIONS:** X

O	CKT NO.	DESCRIPTION	TRIP	P	A		B		C		P	TRIP	DESCRIPTION	CKT NO.	O
--	1	SPARE	20 A	1	0.00	0.00					1	20 A	SPARE	2	--
--	3	SPARE	20 A	1			0.00	0.00			1	20 A	SPARE	4	--
--	5	SPARE	20 A	1					0.00	0.00	1	20 A	SPARE	6	--
--	7	SPARE	20 A	1	0.00	0.00					1	20 A	SPARE	8	--
--	9	SPARE	20 A	1			0.00	0.00			1	20 A	SPARE	10	--
--	11	SPARE	20 A	1					0.00	0.00	1	20 A	SPARE	12	--
--	13	SPARE	20 A	1	0.00	0.00					1	20 A	SPARE	14	--
--	15	SPARE	20 A	1			0.00	0.00			1	20 A	SPARE	16	--
--	17	SPARE	20 A	1					0.00	0.00	1	20 A	SPARE	18	--
--	19	SPARE	20 A	1	0.00	0.00					1	20 A	SPARE	20	--
--	21	SPARE	20 A	1			0.00	0.00			1	20 A	SPARE	22	--
--	23	SPARE	20 A	1					0.00	0.00	1	20 A	SPARE	24	--
--	25	SPARE	20 A	1	0.00	0.00					1	20 A	SPARE	26	--
--	27	SPARE	20 A	1			0.00	0.00			1	20 A	SPARE	28	--
--	29	SPARE	20 A	1					0.00	0.00	1	20 A	SPARE	30	--
--	31	SPARE	20 A	1	0.00	0.00					1	20 A	SPARE	32	--
--	33	SPARE	20 A	1			0.00	0.00			1	20 A	SPARE	34	--
--	35	SPARE	20 A	1					0.00	0.00	1	20 A	SPARE	36	--
--	37	SPARE	20 A	1	0.00	0.00					1	20 A	SPARE	38	--
--	39	SPARE	20 A	1			0.00	0.00			1	20 A	SPARE	40	--
--	41	SPARE	20 A	1					0.00	0.00	1	20 A	SPARE	42	--
			TOTAL LOAD:		0.00 kVA		0.00 kVA		0.00 kVA						
			TOTAL AMPS:		0 A		0 A		0 A						

TOTAL CONNECTED LOAD: 0 kVA | 0.00 kVA | **TOTAL DEMAND LOAD:**
TOTAL CONNECTED AMPS: 0 A | 0 A | **TOTAL DEMAND AMPS:**

PANELBOARD & CIRCUIT BREAKER OPTIONS ("O" COLUMN / MCB OPTIONS ABBREVIATIONS)		LOAD CLASSIFICATION	CONNECTED LOAD (VA)	DEMAND FACTOR	ESTIMATE DEMAND (VA)
C	CONTACTOR CONTROLLED				
G	GFCI PROTECTED				
P	HANDLE LOCKING DEVICE				
S	SHUNT TRIP				
X	80% RATED CIRCUIT BREAKER WITH LSI				
Y	100% RATED CIRCUIT BREAKER WITH LSI				
Z	100% RATED CIRCUIT BREAKER WITH LSIG				
	FEED THROUGH LUGS (FTL)				
	SUB FEED LUGS (SFL)				

NOTES:

PANELBOARD ABBREVIATIONS

FTL	FEED THROUGH LUGS
MCB	MAIN CIRCUIT BREAKER
MFS	MAIN FUSED SWITCH
MLO	MAIN LUGS ONLY
SFL	SUB-FEED LUGS
SPD	SURGE PROTECTION DEVICE

SWITCHBOARD/PANELBOARD NOTES

A. REFER TO ELECTRICAL SYMBOLS AND ABBREVIATIONS SHEET E-001 FOR ADDITIONAL INFORMATION.
B. VERIFY PANEL / LUG SIZE REQUIRED FOR FEEDERS INDICATED ON ONE-LINE DIAGRAM. MODIFY AS REQUIRED FOR LARGER FEEDERS.
C. VERIFY CONDUIT ENTRY LOCATION ON EACH PANEL.
D. CONFIRM FINAL ROOM NAMES AND NUMBERS WITH OWNER PRIOR TO CREATING FINAL PANELBOARD DIRECTORIES.
E. MODIFY AIC RATINGS INDICATED ON SCHEDULES, AS REQUIRED, PER SPECIFICATION SECTION 260574.99.

POWER DISTRIBUTION PANELBOARD SCHEDULE

DESIGNATION: 1NPBHSP41 | **VOLTS:** 480Y/277 V | **MAINS RATING:** 600 A
LOCATION: RM 1003 | **PHASES:** 3 | **MAINS TYPE:** MLO
MOUNTING: SURFACE | **WIRES:** 4
SUPPLY FROM: 1NSBHSP41 | **AIC RATING:** 65K

O	CKT NO.	DESCRIPTION	ROOM #	TRIP	P	A		B		C		P	TRIP	ROOM #	DESCRIPTION	CKT NO.	O
	1					26.28	33.90									2	
	3	1NXRHSP21		250 A	3			25.97	34.06			3	250 A		1NXRHSP22	4	
	5									26.53	33.87					6	
	7					1.67	0.28					1	20 A		1003, 1010A - LIGHTS	8	
	9	1000 - CUH-1		15 A	3			1.67	0.74			1	20 A		1002,1002A,1004,1008,1009,1010L-..	10	
	11									1.67	1.06	1	20 A		CORR - LIGHTS	12	
	13	1025 - LIGHTS		20 A	1	0.44	0.44					1	20 A		1024 - LIGHT6S	14	
	15	1022,1022A,1023 - LIGHTS		20 A	1			0.48	0.44			1	20 A		1021 - LIGHTS	16	
	17	1020 - LIGHTS		20 A	1					0.44	0.44	1	20 A		1019 - LIGHTS	18	
	19	1018 - LIGHTS		20 A	1	0.44	0.44					1	20 A		1016 - LIGHTS	20	
	21	1015 - LIGHTS		20 A	1			0.44	0.96			1	20 A		1014, 1014A - LIGHTS	22	
	23	1010 - LIGHTS		20 A	1					2.30	1.91	1	20 A		2002-2005, 2009-2001A - LIGHTS	24	
	25	2011, 2011B - LIGHTS		20 A	1	0.68	1.16					1	20 A		2013, 2013A,2015A - LIGHTS	26	
	27	2014, 2015 - LIGHTS		20 A	1			1.16	0.81			1	20 A		2012 - LIGHTS	28	
	29	2018 - LIGHTS		20 A	1					0.56	0.00	1	20 A		SPARE	30	--
	31	2022 - LIGHTS		20 A	1	0.84	0.24					1	20 A		2023 - LIGHTS	32	
	33	2024 - LIGHTS		20 A	1			0.68	0.64			1	20 A		2020 - LIGHTS	34	
	35									1.67	0.00	1	20 A		SPARE	36	--
	37	1003 - PUH-1		20 A	3	1.67	0.56					1	20 A		2019 - LIGHTS	38	
	39							1.67	0.00			1	20 A		SPARE	40	--
--	41	SPARE		20 A	1					0.00	0.00	1	20 A		SPARE	42	--
--	43	SPARE		20 A	1	0.00	0.00					1	20 A		SPARE	44	--
--	45	SPARE		20 A	1			0.00	0.00			1	20 A		SPARE	46	--
--	47	SPARE		20 A	1					0.00	0.00	1	20 A		SPARE	48	--
--	49	SPARE		20 A	1	0.00	0.00					1	20 A		SPARE	50	--
--	51	SPARE		20 A	1			0.00	0.00			1	20 A		SPARE	52	--
--	53	SPARE		20 A	1					0.00	0.00	1	20 A		SPARE	54	--
--	55	SPARE		20 A	1	0.00	0.00					1	20 A		SPARE	56	--
--	57	SPARE		20 A	1			0.00	0.00			1	20 A		SPARE	58	--
--	59	SPARE		20 A	1					0.00	0.00	1	20 A		SPARE	60	--
				TOTAL LOAD:		69.04 kVA		69.71 kVA		70.44 kVA							
				TOTAL AMPS:		249 A		252 A		255 A							

TOTAL CONNECTED LOAD: 209.19 kVA | 130.36 kVA | **TOTAL DEMAND LOAD:**
TOTAL CONNECTED AMPS: 255 A | 157 A | **TOTAL DEMAND AMPS:**

PANELBOARD & CIRCUIT BREAKER OPTIONS ("O" COLUMN / MCB OPTIONS ABBREVIATIONS)		LOAD CLASSIFICATION	CONNECTED LOAD (VA)	DEMAND FACTOR	ESTIMATE DEMAND (VA)
		Receptacle - General	360 VA	100.00%	360 VA
C	CONTACTOR CONTROLLED	Lighting - Interior	19918 VA	125.00%	24898 VA
G	GFCI PROTECTED	Mechanical - Motor	4020 VA	92.66%	3725 VA
P	HANDLE LOCKING DEVICE	Mechanical - Cooling	0 VA	0.00%	0 VA
S	SHUNT TRIP	Power - Continuous	5702 VA	100.00%	5702 VA
X	80% RATED CIRCUIT BREAKER WITH LSI	Other	2160 VA	100.00%	2160 VA
Y	100% RATED CIRCUIT BREAKER WITH LSI	RECEPTACLE	177030 VA	52.82%	93515 VA
Z	100% RATED CIRCUIT BREAKER WITH LSIG				
	FEED THROUGH LUGS (FTL)				
	SUB FEED LUGS (SFL)				

NOTES:

BRANCH PANELBOARD SCHEDULE

DESIGNATION: 1GPBHSP41 | **VOLTS:** 480Y/277 V | **MAINS RATING:** 600 A
LOCATION: RM 1003 | **PHASES:** 3 | **MAINS TYPE:** MLO
MOUNTING: SURFACE | **WIRES:** 4
SUPPLY FROM: 1NSBHSP41 | **AIC RATING:** 65K

O	CKT NO.	DESCRIPTION	TRIP	P	A		B		C		P	TRIP	DESCRIPTION	CKT NO.	O
	1	EXITS - SECOND FLOOR	20 A	1	0.04	0.19					1	20 A	EXTERIOR LIGHTING	2	
	3	EXITS - FIRST FLOOR	20 A	1			0.05	0.33			1	20 A	2012 - LIGHTS	4	
	5	1006 - LIGHTS	20 A	1					0.16	0.24	1	20 A	1017 - LIGHTS EAST STAIR	6	
	7	1003, 1010A - LIGHTS	20 A	1	0.24	0.36					1	20 A	1018-1025 - LIGHTSS	8	
	9	1026 - LIGHTS WEST STAIR	20 A	1			0.40	1.05			1	20 A	2002-2006,2009-2011,2013-2015 - LIGHTS	10	
	11	2018-2024 - LIGHTS	20 A	1					0.68	0.69	1	20 A	1002,1004,1005,1007,1008,1009,1010	12	
	13	1012 - LIGHTS	20 A	1	0.63	41.57								14	
--	15	SPARE	20 A	1			0.00	41.57			3	200 A	ELEVATOR	16	
	17								4.32	41.57				18	
	19	1GXRHSP21	80 A	3	4.61	0.00					1	20 A	ELEVATOR SHUNT TRIP	20	--
	21						4.27	0.83						22	
	23								0.83	0.83	3	15 A	1003 - BP-1	24	
	25	1003 - BP-2	15 A	3	0.83	0.83								26	
	27						0.83	2.11						28	
	29								2.11	2.11	3	15 A	1003 - P-1	30	
	31	1003 - P-2	15 A	3	2.11	2.11								32	
	33						2.11	0.00			1	20 A	SPARE	34	--
--	35	SPARE	20 A	1					0.00	0.00	1	20 A	SPARE	36	--
--	37	SPARE	20 A	1	0.00	0.00					1	20 A	SPARE	38	--
--	39	SPARE	20 A	1			0.00	0.00			1	20 A	SPARE	40	--
--	41	SPARE	20 A	1					0.00	0.00	1	20 A	SPARE	42	--
			TOTAL...		53.51 kVA		53.53 kVA		53.54 kVA						
			TOTAL...		193 A		193 A		193 A						

TOTAL CONNECTED LOAD: 160578 VA | 185.21 kVA | **TOTAL DEMAND LOAD:**
TOTAL CONNECTED AMPS: 193 A | 223 A | **TOTAL DEMAND AMPS:**

PANELBOARD & CIRCUIT BREAKER OPTIONS ("O" COLUMN / MCB OPTIONS ABBREVIATIONS)		LOAD CLASSIFICATION	CONNECTED LOAD (VA)	DEMAND FACTOR	ESTIMATE DEMAND (VA)
		Lighting - Interior	4834 VA	125.00%	6043 VA
C	CONTACTOR CONTROLLED	Lighting - Exterior	100 VA	100.00%	100 VA
G	GFCI PROTECTED	Mechanical - Motor	149704 VA	115.64%	173123 VA
P	HANDLE LOCKING DEVICE	Power - Continuous	0 VA	0.00%	0 VA
S	SHUNT TRIP	Other	120 VA	100.00%	120 VA
X	80% RATED MAIN CIRCUIT BREAKER WITH LSI	RECEPTACLE	5580 VA	100.00%	5580 VA
Y	100% RATED MAIN CIRCUIT BREAKER WITH LSI	LE	0 VA	0.00%	0 VA
Z	100% RATED MAIN CIRCUIT BREAKER WITH LSIG	LIGHTING	240 VA	100.00%	240 VA
	FEED THROUGH LUGS (FTL)				
	SUB FEED LUGS (SFL)				

NOTES:

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#	Date	Description
1	10/27/2026	ADDENDUM 2



PROJECT NORTH

VPS ARCHITECTURE

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1650 E. 49th Street
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Project Name:

Franklin Central High School Health Sciences Pavilion

Drawing Title:

ELECTRICAL PANELBOARD SCHEDULES

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

Client Project No:	
VPS Project No:	2025019.00
Project Issue Date:	09.16.2026
Drawing No:	E-603

GENERAL ONE-LINE DIAGRAM NOTES

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

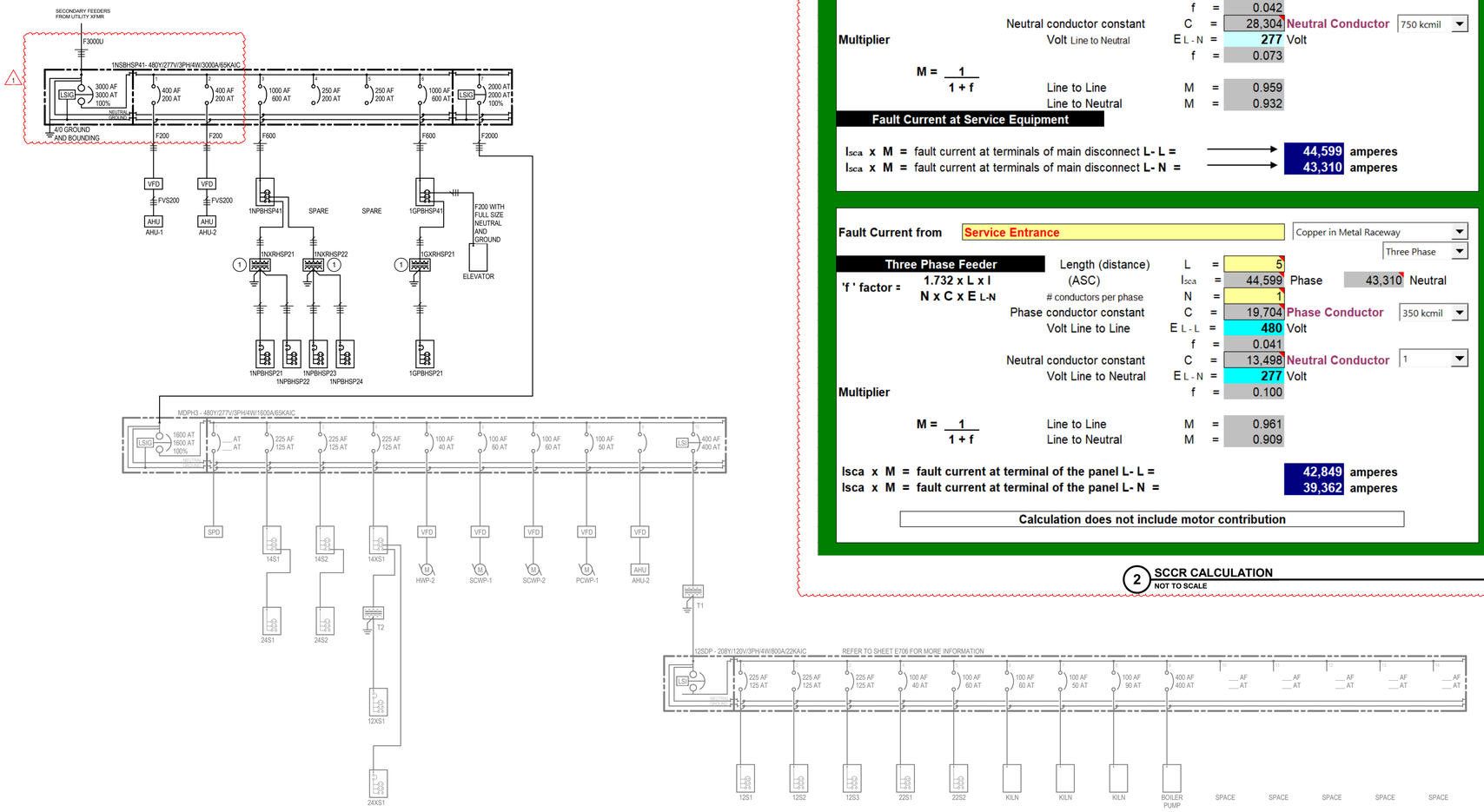
B PROVIDE LABELS ON ALL EQUIPMENT MODIFIED BY THIS PROJECT. PROVIDE LABELS ON ALL JUNCTION BOXES AND CONDUITS MODIFIED OR PROVIDED BY THIS PROJECT. PROVIDE UPDATED PANELBOARD DIRECTORIES ON ALL PANELBOARDS MODIFIED BY THIS PROJECT

ONE-LINE DIAGRAM NOTES-

1 SEE TRANSFORMER SCHEDULE ON SHEET E-602 FOR ADDITIONAL INFORMATION.

CONNECTED LOAD CALCULATION	KW
MDPH3 LOAD	500.63
MDPH3 LOAD AT 125%	625.788
HEALTH SCIENCE PAVALION LOAD	569.06
HEALTH SCIENCE PAVALION LOAD AT 125%	711.325
TOTAL MDPH3 LOAD @ 125% + HEALTH SCIENCE PAVALION LOAD @ 125%	1337.11
NEW SERVICE 3000A@80% IN KW	1992.96
NEW SERVICE 3000A@80% IN KW - TOTAL (1992.96 - 1337.11)	655.848

3 LOAD CALC
NOT TO SCALE



1 ELECTRICAL ONE-LINE DIAGRAM 1NSBHSP41
NOT TO SCALE

Franklin Central Health Science Addition

Creative Engineering Solutions

Available Fault Current Calculation

by: John Sokolik Ver. 6.6
jmp1jds@comcast.net

Utility Symmetrical Fault Current 0 amperes kVA = 2000
E = 480

I = kVA x 1000 = trans. FLA / E x 1.732 trans. FLA = 2406

I_{sca} = trans. FLA x 100 x PF / transformer Z = PF = 90%
Z = 5.75%

I_{sca} = ampere short-circuit current RMS symmetrical. I_{sca} = 46,487 amperes

Point to Point Method — Three Phase 480/277

'f ' factor = 1.732 x L x I / N x C x E_{L-N}

Length (distance) (ASC) FEET — L = 50 — Copper in Nonmetallic Raceway
I_{sca} = 46,487
conductors per phase N = 7
Phase conductor constant C = 28,304 **Phase Conductor** 750 kcmil
Volt Line to Line E_{L-L} = 480 Volt
f = 0.042
Neutral conductor constant C = 28,304 **Neutral Conductor** 750 kcmil
Volt Line to Neutral E_{L-N} = 277 Volt
f = 0.073

Multiplier M = 1 / (1 + f)
Line to Line M = 0.959
Line to Neutral M = 0.932

Fault Current at Service Equipment

I_{sca} x M = fault current at terminals of main disconnect L- L = → **44,599 amperes**
I_{sca} x M = fault current at terminals of main disconnect L- N = → **43,310 amperes**

Fault Current from Service Entrance — Copper in Metal Raceway — Three Phase

Three Phase Feeder

'f ' factor = 1.732 x L x I / N x C x E_{L-N}

Length (distance) (ASC) — L = 5
I_{sca} = 44,599 Phase 43,310 Neutral
conductors per phase N = 1
Phase conductor constant C = 19,704 **Phase Conductor** 350 kcmil
Volt Line to Line E_{L-L} = 480 Volt
f = 0.041
Neutral conductor constant C = 13,498 **Neutral Conductor** 1
Volt Line to Neutral E_{L-N} = 277 Volt
f = 0.100

Multiplier M = 1 / (1 + f)
Line to Line M = 0.961
Line to Neutral M = 0.909

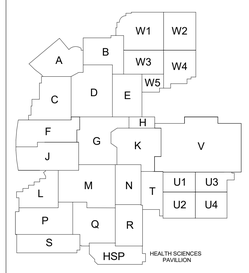
I_{sca} x M = fault current at terminal of the panel L- L = **42,849 amperes**
I_{sca} x M = fault current at terminal of the panel L- N = **39,362 amperes**

Calculation does not include motor contribution

2 SCCR CALCULATION
NOT TO SCALE

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ELECTRICAL ONE-LINE DIAGRAM 1NSBHSP41

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

Client Project No:
VPS Project No: 2025019.00
Project Issue Date: 09.16.2026
Drawing No: E-706