ADDENDUM NO. 3

January 18, 2024

Jeffersonville High School Aquatic Center – New Facility
2315 Allison Ln
Jeffersonville, IN 47130

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 November 20, 2023, by Fanning Howey Associates, Inc. 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 3-1 through ADD 3-3 and attached Fanning Howey Associates Addendum No. 3, dated January 18, 2024, consisting of 5 pages, New Project Manual Section 08 11 13 – Hollow Metal Doors and Frames, Revised Project Manual Sections 08 71 00 – Door Hardware and 28 31 11 – Digital, Addressable Fire-Alarm System, and Addendum No. 3 Drawings: C-105, S1.01, S1.03, S1.04, S5.03, S5.05, A1.01, A1.31, A2.02, A3.01, A5.03, A6.01, A6S.01, A7.01, A7.02, A7.21, A7.22, A7.41, A7S.01, A8.01, A8.02, A8.21, A8.22, A8.30, A8.31, A8.32, A8.33, A8.34, A8.30, A8.41, A8S.01, PL0.0, PL1.0, PL1.1, PL2.0, PL4.0, PL5.0, PL10.0, PL11.0, M1.01, M1.11, M1.17, M2.01, E1.02, E4.01, E5.01, E5.02, E5.03, E5.04, E5.05, E5.06, E6.01, E6.04, TA6.00, T1.01, T1.11, and T1.21.

BID OPENING DATE AND TIME - REMINDER

The Bid Opening on Thursday, January 25, 2024, **at 2:00 PM Eastern Time,** will **ONLY** be available to watch via Microsoft Teams Meeting; see meeting link below:

Microsoft Teams meeting
Join on your computer, mobile app or room device
Click here to join the meeting
Meeting ID: 225 627 558 26
Passcode: p2cgDz
Download Teams | Join on the web
Or call in (audio only)
+1 317-762-3960,,373294366#

A. **GENERAL INFORMATION**

Pre-Award Meeting schedule is attached herein. Pre-Award Meetings will be conducted virtually on dates and times noted.

Each Bid Category is responsible for providing temporary shoring as needed to complete their own work.

B. **SPECIFICATION SECTION 00 10 00 INSTRUCTIONS TO BIDDERS**

See attached eBID Electronic Bid Submission Instructions. All bids are to be submitted online through the Skillman Planroom (skillmanplanroom.com) via the eBID Electronic Bid Submission System.

C. **SPECIFICATION SECTION 00 43 50 SUBCONTRACTORS AND PRODUCTS LISTS**

1. Reissued Specification Section is attached herein.

D. **SPECIFICATION SECTION 01 12 00 – MULTIPLE CONTRACT SUMMARY**

1. Paragraph 3.03 Bid Categories

A. BID CATEGORY NO. 01 – EARTHWORK & SITE UTILITIES

Add the following Clarifications:

11. Bid Category 10 to provide pumping equipment for permanent dewatering manhole and underdrain piping 5 feet outside the building exterior foundation walls. From this point, piping and permanent dewatering manhole structure complete without pumping equipment is included in this bid categories scope of work. Reference Specification Section 13 15 00 for additional requirements to complete this work.

B. BID CATEGORY NO. 02 – GENERAL TRADES

Delete the following specification section:
07 24 19 - Water-Drainage Exterior Insulation and Finish System
07 27 26.02 – Vapor-Permeable, Fluid-Applied Membrane Air Barrier
08 12 13 – Hollow Metal Frames

Add the following specification section:
05 50 00 – Metal Fabrications
08 11 13 – Hollow Metal Doors and Frames

Revise the following Clarifications:

17. Provide all work required to complete Pump Pits, Surge Tanks & Balance Tanks. Include excavation, ladder rungs, access door, and waterproofing. Reference Specification Section 13 15 00 for additional requirements to complete this work.

Add the following Clarifications:

19. Provide Aluminum bleacher seating.
20. Provide all 3" & 4" underdrainage outside of the Competition Pool area including the 4" to 6" Tee connection as referenced on Sheet PL1.0. Bid Category 10 to provide all remaining underdrainage from this point up to 5 feet outside the building exterior foundation walls.
21. Provide all work required to complete Pump Pits, Surge Tanks & Balance Tanks. Include excavation, ladder rungs, access door, and waterproofing. Reference Specification Section 13 15 00 for additional requirements to complete this work.

E. BID CATEGORY NO. 05 – STRUCTURAL STEEL

Add the following Clarifications:

4. Aluminum bleacher seating provided by Bid Category No. 2.
5. Provide pump pit stairs and handrails per Specification Section 13 15 00.

J. BID CATEGORY NO. 10 – SWIMMING POOL

Add the following Clarifications:

6. Provide pumping equipment for permanent dewatering manhole and provide the underdrain piping 5 feet outside the building exterior foundation walls. From this point, Bid Category 01 will provide piping and manhole structure complete without pumping equipment.
7. All 3" & 4" underdrainage outside of the Competition Pool area including the 4" to 6" Tee connection as referenced on Sheet PL1.0 to be provided by Category 02. All remaining underdrainage from this point up to 5 feet outside the building exterior foundation walls to be provided by this Bid Category.
8. Provide housekeeping pads for your own work/equipment.
9. Pump pit stairs and handrails provided by Bid Category 05.
10. Cost of water to fill the pools for Shell test & Final Fill provided by this Bid Category.

EASTERN Engineering 50 YEARS 1972★2022 | eBid ELECTRONIC BID SUBMISSION

Electronic Bid Submission

Submit and review bids electronically through the plan room and not in person.
We are here to help businesses go from paper to uploading bids electronically.
Step by step we will help transition your teams today.

Easy, Confidential and Complete

Suppliers can submit bids with **no paper, no delivery and no mailing.**

Easily upload all documents from your office for both job owners and suppliers.

Complete communiation through the plan room.

The bids can't be viewed by anyone, even authorized people, until the bid day/time is past. **Secure and fair for all bidders.**

Contractors may return at any time prior to the posted bid date and time, to make changes or updates

Only after close time and only those with authorization can download, open and review the submitted bids.

When bid time ends, simply arrange a meeting to review all the bids.

Every one is working together within the online plan room.

How to submit a bid electronically through the online plan room

1) Bidders need to register and sign-in to the plan room, in order to submit a bid.

2) Click on the project listing then click 'Submit Bid' button.

3) Save your completed bid form and required forms as PDFs.

   All bid documents can be in one pdf or separate pdf documents can be uploaded.

4) Click 'Submit Bid' next to the job name on the information tab.

5) Attach bid form and required bid documents per the project specifications.

   Click 'Submit Bid' at bottom of screen.

6) You will receive a confirmation screen, stating that, "Your Bid Submission has been saved successfully."

   You will receive a confirmation email confirmation, indicating your submission was received.

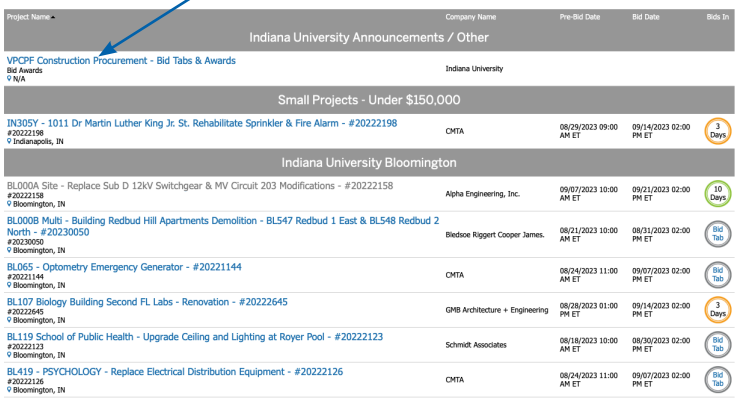
Completely Secure

- The bids can't be viewed by anyone, even authorized people, until the bid day/time is past. Keeping the process secure and fair for all bidders.
- Only after close time and only those with authorization can download, open and review the submitted bids
- Every one is working together within the online plan room and completely secure.

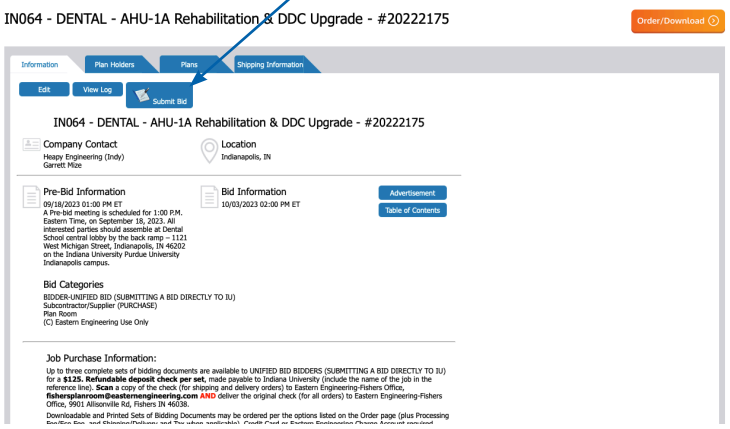
Support is Available

If you have any questions contact Tamara at Tamara.Tincher@easternengineering.com or (317) 827-6083.

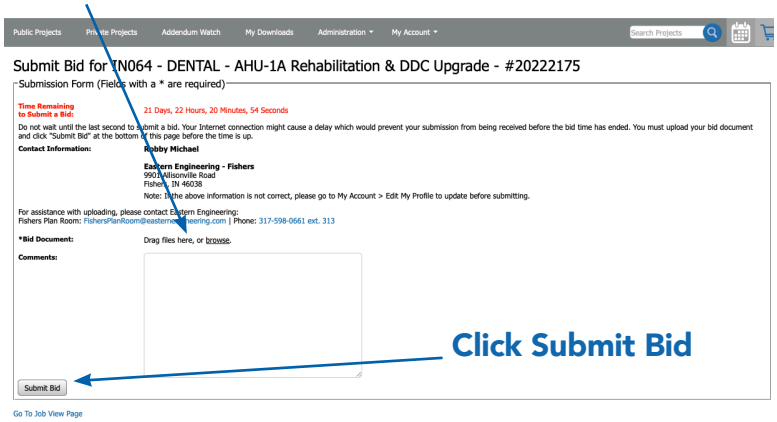
Project listing



Click on Submit Bid 



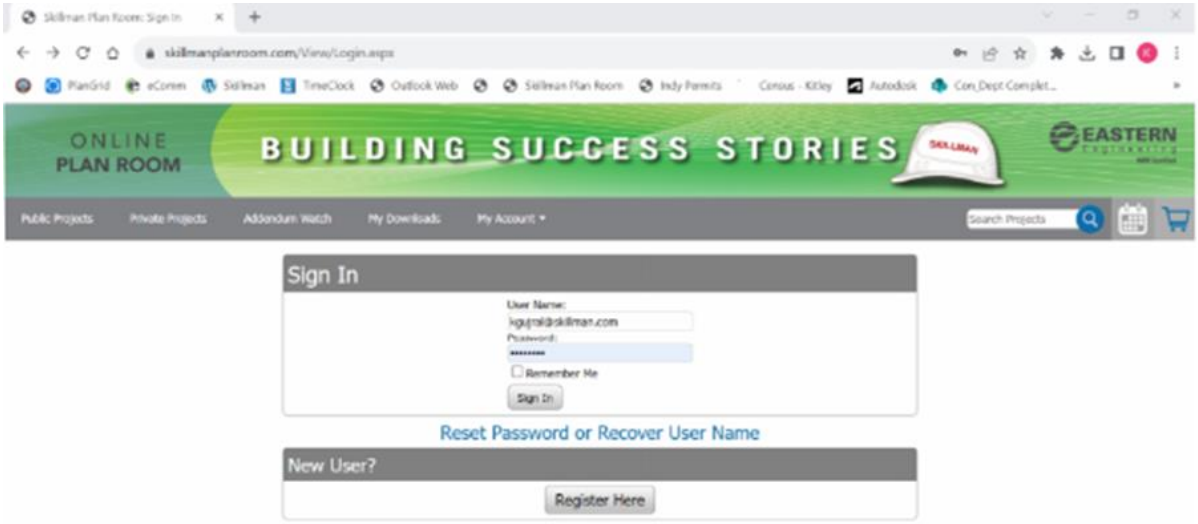
Drag file here or click browse to select your pdfs



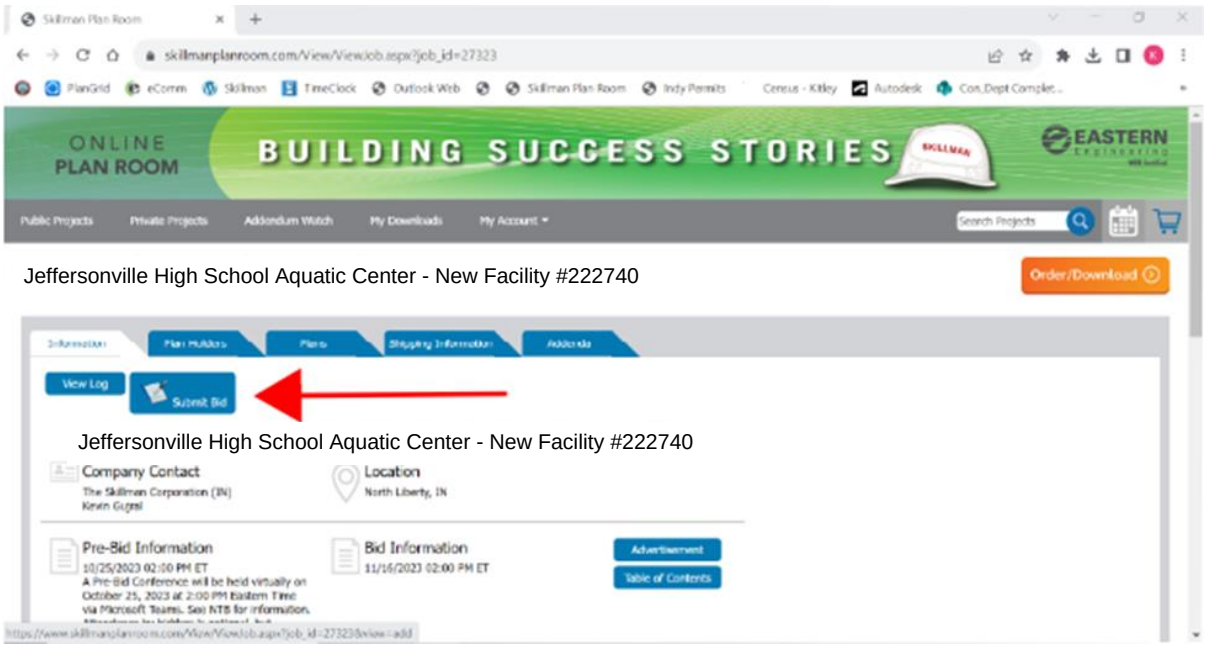
Click Submit Bid

SECTION 00 10 00 - eBID INSTRUCTIONS

GO TO SKILLMANPLANROOM.COM - DO NOT WAIT UNTIL 2:00 PM EASTERN TIME TO SUBMIT YOUR BID; WHEN THE COUNTDOWN CLOCK EXPIRES, EVEN IF YOU ARE IN THE MIDDLE OF THE BID SUBMISSION PROCESS, YOUR BID WILL NOT BE ACCEPTED BY THE eBID SYSTEM.



1. SIGN IN
2. Click JEFFERSONVILLE HIGH SCHOOL AQUATIC CENTER - NEW FACILITY
3. Click SUBMIT BID and FOLLOW INSTRUCTIONS



- SAVE YOUR BID FORM AND **ALL REQUIRED ATTACHMENTS** IN PDF FORMAT (**ONE FILE PER BC)**
- NAME YOUR PDF BID FILE AS: JHS Aquatic Center_Bidders Name_BC No. (02 or 11)
- UPLOAD PDF BID FILE TO THE *BID DOCUMENT AREA (Drag & Drop or Click Browse To Select File)
- CLICK SUBMIT BID

FOR COMBINATION BID CATEGORY SUBMISSIONS (eg. BC NOS. 12 AND 13):

- UPLOAD PDF BID FILE NAMED JHS Aquatic Center_Bidder's Name_Bid Category No. 12
- UPLOAD PDF BID FILE NAMED JHS Aquatic Center_Bidder's Name_Bid Category No. 13
- UPLOAD PDF BID FILE NAMED JHS Aquatic Center_Bidder's Name_Bid Category No. 12_13
- CLICK SUBMIT BID

SECTION 00 43 50 - SUBCONTRACTORS AND PRODUCTS LIST

PART 1 - GENERAL

1.01 DESCRIPTION

A. The two (2) low responsive Bidders in each Bid Category shall furnish electronically, the following Subcontractors and Products List to the Construction Manager within **two (2) working days (48 hrs.)** of bid opening, unless submitted with Bid. . The blanks appropriate to the Bid Category(ies) on which they bid shall be completed.

1. The Owner and Architect shall have the right to select any material or equipment named in the Specifications for any particular item where the Bidder either fails to list same or lists more than one name for the item in question.
2. It is intended that this list will show the manufacturer and supplier of major items of work that will be subcontracted and to whom.

1.02 INSTRUCTIONS FOR SUBCONTRACTORS AND PRODUCTS LISTS

A. Each Bidder shall submit a copy of his list of subcontractors and manufacturers of products and equipment proposed for work indicated as required above.

B. The list shall be submitted on forms provided and shall be completely executed. "As Specified" or "With Equipment" type of terminology will not be accepted.

C. Under "Subcontractor", insert the name of the firm which the Bidder proposes to have perform the respective work. If work will be done by the Prime Bidder and no subcontract will be awarded, state "By Own Forces".

D. Submission does not constitute acceptance for use of listed manufacturers' products. Materials and subcontractors are subject to the provisions of the General Conditions and "Standard of Product Acceptability" and must be formally reviewed and adjudged acceptable by the Architect/Engineer.

E. Engineer, Architect and Owner reserve the right to reject submissions of materials, work, or subcontractors that do not, in their opinion, meet the requirements of Drawings, Specifications or job conditions.

F. Materials and subcontractors used for work on the Project shall be in accordance with accepted material list.

1. The list is intended to assure use of materials and vendors acceptably equivalent to those specified and is not a substitution sheet or complete listing of required materials or services.

2. Substitutions for listed items will not be allowed, except when termed acceptable, in writing by the Architect/Engineer, provided that substitution will result in a cost savings to the Owner , determined by the Owner to be a better product,or is made necessary due to unavailability of listed item. Unavailability shall be confirmed in writing by manufacturer named on accepted list.

1.03 CIVIL AND ARCHITECTURAL WORK SUBCONTRACTORS AND PRODUCTS LIST

BID CATEGORY NO._____

(Insert Category No. and Name)

NAME OF BIDDER_____

The undersigned hereby submits the following Subcontractors and Products List which becomes a part of the undersigned Contract proposal. Subcontractor purchased material, equipment, and labor shall be under the direct management and control of the Prime Contractor. If a dual listing of manufacturers and subcontractors is herein made, it is understood the Architect/Engineer (not the Contractor) will select the manufacturer or subcontractor of his choice. State the XBE Designation.

CIVIL AND ARCHITECTURAL WORK

Section	Description	XBE	Subcontractor	Manufacturer
02 41 16	Structure Demolition			
03 06 30.01	Concrete Schedule			
03 30 00	Cast-in-Place Concrete			
03 41 00	Precast Structural Concrete			
03 45 00	Precast Architectural Concrete			
04 22 00	Concrete Unit Masonry			
05 12 00	Structural Steel Framing			
05 21 00	Steel Joist Framing			
05 31 00	Steel Decking			
05 40 00	Cold-Formed Metal Framing			
05 50 00	Metal Fabrications			
05 51 00	Metal Stairs			
05 52 13	Pipe and Tube Railings			

Section	Description	XBE	Subcontractor	Manufacturer
05 73 00	Decorative Metal Railings			
05 73 13	Glazed Decorative Metal Railings			
06 10 00	Rough Carpentry			
06 16 00	Sheathing			
06 20 23	Interior Finish Carpentry			
06 61 16	Solid Surface Fabrications			
07 11 13	Bituminous Dampproofing			
07 13 00	Sheet Waterproofing			
07 21 00	Thermal Insulation			
07 25 00	Weather Barriers			
07 42 13.16	Metal Plate Wall Panels			
07 52 16	Styrene-Butadiene-Styrene (SBS) Modified Bituminous Membrane Roofing			
07 52 16.01	Roof Insulation			
07 62 00	Roof Edge Metal Systems			
07 71 23	Manufactured Gutters			
07 72 00	Roof Accessories			
07 84 43	Joint Firestopping			
07 92 00	Joint Sealants			
07 92 19	Acoustical Joint Sealants			
08 11 13	Hollow Metal Doors and Frames			
08 14 16	Flush Wood Doors			
08 16 13	Fiberglass Doors			
08 31 13	Access Doors and Frames			
08 33 13	Coiling Counter Doors			
08 41 13	Aluminum-Framed Entrances and Storefronts			
08 44 13	Glazed Aluminum Curtain Walls			
08 46 00	Window Wall Assemblies			
08 71 00	Door Hardware			
08 80 00	Glazing			

Section	Description	XBE	Subcontractor	Manufacturer
08 91 19	Fixed Louvers			
09 01 91	Moisture Resistant/Water-Proof Flooring Adhesive for Concrete Slabs			
09 21 16	Gypsum Board Assemblies			
09 30 00	Tiling			
09 51 13	Acoustical Panel Ceilings			
09 54 23	Linear Metal Ceilings			
09 65 13	Resilient Base and Accessories			
09 65 19	Resilient Tile Flooring			
09 67 10	Fluid Applied Epoxy/Urethane System			
09 67 12	Fluid-Applied Epoxy Flooring (Mechanical Rooms – Containment)			
09 67 23	Decorative Resinous Flooring			
09 68 13	Tile Carpeting			
09 84 33	Sound-Absorbing Wall Units			
09 91 23	Interior Painting			
09 96 00	High-Performance Coatings			
09 96 63	Interior Finish System			
10 11 00	Visual Display Units			
10 12 00.16	Custom Display Cases			
10 14 19	Dimensional Letter Signage			
10 14 23.13	Exterior Panel Signage			
10 14 23.16	Interior Panel Signage			
10 21 13.19	Solid Polymer Toilet Compartments			
10 28 00	Toilet, Bath, and Laundry Accessories			
10 41 16	Lock Box			
10 43 13	Defibrillator Cabinets			
10 44 13	Fire Extinguisher Cabinets			

Section	Description	XBE	Subcontractor	Manufacturer
10 44 16	Fire Extinguishers			
10 51 13	Metal Lockers			
10 51 26	Solid Plastic Lockers			
10 56 13	Metal Storage Shelving			
10 82 13	Rooftop Equipment Screens			
11 11 00	Laundry Equipment			
11 31 00	Appliances			
11 52 13	Front Projection Screens			
12 21 13	Horizontal Louver Blinds			
12 32 16	Manufactured Plastic Laminate-Faced (Educational) Casework			
12 48 26.01	Entrance Carpet Tile			
13 15 00	Competition Swimming Pool, Therapy Pool and Equipment			
13 15 60	Aquatic Timing System and Display Systems			
14 24 00	Hydraulic Elevators			
31 10 00	Site Clearing			
31 20 00	Earth Moving			
32 31 21	Decorative Metal Fences and Gates			

Name of Bidder:	Date:
Address:	
City/State/Zip:	

Telephone:
By:

1.04 MECHANICAL WORK SUBCONTRACTORS AND PRODUCTS LIST

BID CATEGORY NO._____
(Insert Category No. and Name)

NAME OF BIDDER_____

The undersigned hereby submits the following Subcontractors and Products List which becomes a part of the undersigned Contract proposal. Subcontractor purchased material, equipment, and labor shall be under the direct management and control of the Prime Contractor. If dual listing of manufacturers or subcontractors is herein made, it is understood the Architect/Engineer (not the Contractor) will select the manufacturer or subcontractor of his choice.

MECHANICAL WORK

Section	Description	XBE	Subcontractor	Manufacturer
21 05 00	Common Work Results for Fire Suppression			
21 10 00	Water-Based Fire Suppression Systems			
22 05 00	Common Work Results for Plumbing			
22 05 01	Basic Plumbing Materials and Methods			
22 05 13	Common Motor Requirements for Plumbing Equipment			
22 05 16	Expansion Fittings and Loops for Domestic Hot Water and Hot Water Return Piping			
22 05 19	Meters and Gages for Plumbing Piping			
22 05 23	General-Duty Valves for Plumbing Piping			
22 05 29	Hangers and Supports for Plumbing Piping and Equipment			
22 05 53	Identification for Plumbing Piping and Equipment			
22 07 00	Plumbing Insulation			

Section	Description	XBE	Subcontractor	Manufacturer
22 11 13	Facility Water Distribution Piping			
22 11 16	Domestic Water Piping			
22 11 19	Domestic Water Piping Specialties			
22 11 23	Domestic Water Pumps			
22 13 16	Sanitary, Waste, and Vent Piping System			
22 14 13	Facility Storm Drainage Piping			
22 14 29	Sump Pumps			
22 31 00	Domestic Water Softeners			
22 34 00	Fuel-Fired Domestic Water Heaters			
22 40 00	Plumbing Fixtures			
22 45 00	Emergency Plumbing Fixtures			
22 47 00	Drinking Fountains and Water Coolers			
22 66 13	Facility Natural Gas Piping			

Plumbing Fixtures: Manufacturer:

a)_____ _____

b)_____ _____

c)_____ _____

d)_____ _____

e)_____ _____

f)_____ _____

g)_____ _____

h)_____ _____

i) _____ _____

j)_____ _____

k)_____ _____

l)_____ _____

Name of Bidder:	Date:
Address:	
City/State/Zip:	
Telephone:	
By:	

1.05 ELECTRICAL WORK SUBCONTRACTORS AND PRODUCTS LIST

BID CATEGORY NO._____
(Insert Category No. and Name)

NAME OF BIDDER_____

The undersigned hereby submits the following Subcontractors and Products List which becomes a part of the undersigned Contract proposal. Subcontractor purchased material, equipment, and labor shall be under the direct management and control of the Prime Contractor. If dual listing of manufacturers or subcontractors is herein made, it is understood the Architect/Engineer (not the Contractor) will select the manufacturer or subcontractor of his choice.

ELECTRICAL WORK

Section	Description	XBE	Subcontractor	Manufacturer
01 51 10	Temporary Electricity, Lighting and Warning Systems			
01 72 00	Field Engineering			
02 41 19	Selective Demolition			
07 84 13	Penetration Firestopping			
26 05 00	Common Work Results for Electrical			
26 05 10	Electrical Demolition			
26 05 19	Low Voltage Power Conductors & Cables			
26 05 26	Grounding & Bonding for Electrical Systems			
26 05 29	Hangers & Supports for Electrical Systems			
26 05 33	Raceways & Boxes for Electrical Systems			
26 05 43	Underground Ducts & Raceways for Electrical			
26 05 44	Sleeves & Sleeve Seals for Electrical Raceways & Cabling			
Section	**Description**	**XBE**	**Subcontractor**	**Manufacturer**

26 05 53	Identification for Electrical Systems			
26 05 73	Arc Flash Study			
26 09 23	Lighting Control Devices			
26 09 61	Theatre Stage Lighting System			
26 22 13	Low Voltage Distribution Transformers			
26 24 13	Switchboards			
26 24 16	Panelboards			
26 27 26	Wiring Devices			
26 28 13	Fuses			
26 28 16	Enclosed Switches & Circuit Breakers			
26 29 13	Enclosed Controllers			
26 29 23	Variable Frequency Motor Controllers			
26 36 00	Transfer Switches			
26 51 19	LED Interior Lighting			
26 52 13	Emergency & Exit Lighting			
26 56 13	Lighting Poles & Standards			
26 56 19	LED Exterior Lighting			
27 05 00	Common Work Results for Communications			
27 05 26	Grounding & Bonding for Communication Systems			
27 05 28	Pathways for Communication Systems			
27 05 53	Identification for Communication Systems			
27 11 00	Communications Equipment Room Fittings			
27 13 23	Communications Optical Fiber Backbone Cabling			
Section	**Description**	**XBE**	**Subcontractor**	**Manufacturer**

27 15 13	Communications Copper Horizontal Cabling			
27 15 33	Communications Coaxial Horizontal Cabling			
27 41 00	Professional Audio/Video Systems			
27 51 23	Intercommunications And Program Systems			
28 31 11	Digital, Addressable Fire Alarm System			

Name of Bidder:	Date:
Address:	
City/State/Zip:	
Telephone:	
By:	

END OF SECTION 00 43 50

A D D E N D U M N O. 3

Jeffersonville High School Natatorium

Greater Clark County Schools
Jeffersonville, Indiana

Project No. 222038.00

Index of Contents

Addendum No. 3, 17 items, 5 pages
New Project Manual Section: 08 11 13 – Hollow Metal Doors and Frames
Revised Project Manual Sections: 08 71 00 – Door Hardware and 28 31 11 – Digital, Addressable Fire-Alarm System
Revised Drawing Sheets: C-105, S1.01, S1.03, S1.04, S5.03, S5.05, A1.01, A1.21, A1.31, A2.02, A3.01, A5.03, A6.01, A6S.01, A7.01, A7.02, A7.21, A7.22, A7.30, A7.41, A7S.01, A8.01, A8.02, A8.21, A8.22, A8.30, A8.31, A8.32, A8.33, A8.34, A8.40, A8.41, A8S.01, PL0.0, PL1.0, PL1.1, PL2.0, PL4.0, PL5.0, PL10.0, PL11.0, M1.01, M1.11, M1.17, M2.01, E1.02, E4.01, E5.01, E5.02, E5.03, E5.04, E5.05, E5.06, E6.01, E6.04, TA6.00, T1.01, T1.11, and T1.21

Date: January 18, 2024

I hereby certify that this Addendum was prepared by me or under my direct supervision and that I am a duly registered Architect/Engineer under the Laws of the State of Indiana.

FANNING/HOWEY ASSOCIATES, INC.
ARCHITECTS/ENGINEERS/CONSULTANTS

Paul A. Miller, License No. AR10800161
Expiration Date: 12/31/2025

TO: ALL BIDDERS OF RECORD

ADDENDUM NO. 3 to Drawings and Project Manual, dated November 20, 203, for Jeffersonville High School Natatorium for Greater Clark County Schools, 2112 Utica-Sellersburg Road, Jeffersonville, Indiana 47130; as prepared by Fanning/Howey Associates, Inc., Indianapolis, Indiana.
This Addendum shall hereby be and become a part of the Contract Documents the same as if originally bound thereto.

The following clarifications, amendments, additions, revisions, changes, and modifications change the original Contract Documents only in the amount and to the extent hereinafter specified in this Addendum.

Each bidder shall acknowledge receipt of this Addendum in his proposal or bid.

NOTE: Bidders are responsible for becoming familiar with every item of this Addendum. (This includes miscellaneous items at the very end of this Addendum.)

RE: ALL BIDDERS

ITEM NO. 1. NEW PROJECT MANUAL SECTION(S)

A. New Project Manual Section 08 11 13 – Hollow Metal Doors and Frames is included with and hereby made a part of this Addendum.

ITEM NO. 2. REVISED PROJECT MANUAL SECTIONS

A. Sections 08 71 00 – Door Hardware and 28 31 11 – Digital, Addressable Fire-Alarm System has been revised, dated 01/18/24, and is included with and hereby made a part of this Addendum.

ITEM NO. 3. PROJECT MANUAL, SECTION 03 30 00 – CAST-IN-PLACE CONCRETE

A. Article 2.7, C: Delete “(Pool Decks)” from beginning of paragraph.

B. Replace 2.15, F., 3., as follows:

“3. Maximum water-cement ratio: 0.40.”

C. Article 2.16, G., 1: Replace “3500 psi” with “4000 psi” at end of paragraph.

ITEM NO. 4. PROJECT MANUAL, SECTION 04 22 00 – CONCRETE UNIT MASONRY

A. Delete 1.1, A., 2., in its entirety.

B. Delete 1.4, C., in its entirety.

C. Delete 2.4, B., in its entirety.

D. Delete 2.4 C., 4., in its entirety.

E. Delete 2.6, K., in its entirety.

F. Delete Article 2.11 in its entirety.

G. Delete 2.13, A., 3., in its entirety.

H. Delete 2.13, D., in its entirety.

I. Delete 2.15, C., 2., a., and b., in their entirety.

ITEM NO. 5. PROJECT MANUAL, SECTION 07 42 13.16 – METAL PLATE WALL PANELS

A. Add 2.6, D., 1., a., 8., a)., as follows:

"a) Contractor's Option: Provide "Roof Edge Bracket" by Panel Plate within coping detail as required to ensure compatibility with roof membrane details and performance requirements."

ITEM NO. 6. PROJECT MANUAL, SECTION 07 24 19 – WATER-DRAINAGE EXTERIOR INSULATION AND FINISH SYSTEM

A. Delete this Section in its entirety.

ITEM NO. 7. PROJECT MANUAL, SECTION 07 27 26.02 – VAPOR-PERMEABLE, FLUID APPLIED MEMBRANE AIR BARRIER

A. Delete this Section in its entirety.

ITEM NO. 8. PROJECT MANUAL, SECTION 08 12 13 – HOLLOW METAL FRAMES

A. Delete this Section in its entirety. Replace with new Project Manual Section 08 11 13 – Hollow Metal Doors and Frames.

ITEM NO. 9. PROJECT MANUAL, SECTION 09 67 12 – FLUID-APPLIED EPOXY FLOORING (MECHANICAL ROOMS – CONTAINMENT)

A. Add 2.2, A., 1., as follows:

"1. Basis of Design: "Resuflor Topfloor MER II" by Sherwin Williams.

ITEM NO. 10. PROJECT MANUAL, SECTION 09 96 00 – HIGH-PERFORMANCE COATINGS

A. Delete 3.6, B., 1., 4., 1), in its entirety.

B. Add 3.6, B., 2., as follows:

"2. Pigmented Polyurethane and Epoxy Primer System: (Code #5.321).
   a. Prime Coat: Primer.
      1) Sherwin Williams; Macropoxy 641.
      2) PPG; Amerlock 2 VOC
      3) Benjamin Moore: Corotech 100% Solids Epoxy Pre-Primer V155
   b. Intermediate Coat: Same as Topcoat.
   c. Topcoat: Polyurethane, two-component, pigmented gloss (Gloss Level 6).
      1) Sherwin Williams; Pro-Industrial WB Acrolon 100 Polyurethane
      2) PPG; 95-3300 Durethane DTM Urethane Mastic
      3) Benjamin Moore; Corotech COMMAND Waterborne Acrylic Urethane Gloss V390
   d. Application includes, but is not limited to:
      1) Hollow metal doors and frames.

ITEM NO. 11. PROJECT MANUAL, SECTION 09 21 16.00 – GYPSUM BOARD ASSEMBLIES

A. Replace 3.10, D., as follows:

"D. Aluminum Trim: Install in locations indicated on drawings or as follows:
1. Provide reveal molding where gypsum board walls or bulkheads intersect a dissimilar material in the same plane (parallel)."

ITEM NO. 12. PROJECT MANUAL, SECTION 10 51 26.00 – SOLID PLASTIC LOCKERS

A. Replace 2.4, B., 1., as follows:

"1. Provide standard ventilation slots or hole pattern at top and bottom of door or in manufacturer's standard ventilation configuration."

ITEM NO. 13. PROJECT MANUAL, SECTION 13 15 00 – COMPETITION SWIMMING POOL WITH THERAPY POOL AND EQUIPMENT

A. Add 2.46, A., 1., as follows:

"1. Platforms shall have SR Smith Backstroke Start System and Trainer Model No. BSS1000 with anti-slip backstroke ledge with raised diamond pattern, adjustable ledge height, HDPE frame, mounting options, clear markings on spool to show height, FINA compliant with wall mounting kit with strap, Model No. 13-601."

B Article 2.55, A: Change "Custom Painted" to "Custom Epoxy Painted Red" at beginning of paragraph.

C. Article 2.57, A: Change first paragraph to read as follows:

"A. Furnish and install (2) Two One Piece bulkheads, (1) one 4' and (1) one 6' wide Fiberglass Movable Bulkheads with stainless steel pin rails. The pool shall be divided with all accessory items. Bulkhead shall be designed to permit judges and other officials to move freely with undue deflection or movement of the bulkhead. Specs and details are based on SR Smith with Paddock, Natare and Aquatic Development Group (ADG) hybrid bulkheads as acceptable manufacturers. "

Subparagraphs 1., 2., and 3., are still applicable.

D. Replace 3.03, A., as follows:

"A. The machine excavation and hand trim shall be carried on as one operation. Contractor is cautioned to maintain all required safety guidelines as indicated in OSHA guidelines. Any minor voids, which may occur due to over-excavation shall be filled with a rich mix of sand and cement to stabilize the soils in the area and not have an adverse effect on the building footing and or foundations. All excavation material is to be hauled off site at the direction of the Construction Manager. Additional backfill material shall comply with INDOT Class ll and be installed in accordance with Division 31."

E. Add 3.06, B., 2., as follows:

"2. Vapor barrier below concrete deck shall comply with ASTM E1745, Class A. Refer to Structural and Division 03 Specifications."

F. Add 3.07, B, 14., 15, and 16., as follows:

"14. Maximum water/cement ration: 0.40.
15. Maximum water soluble chloride content: 0.15
16. Minimum cover of 2 inches."

G. Add 3.10, C., 11., as follows:

"11. Depth markers are on the deck and face of deck with "no diving" between at 5 foot depth and less."

H. Article 2.36 Clarifications:

1. Refer to Site/Civil drawings for location of Underdrain manhole.
2. Underdrain is solid PVC, scheduled 80 sloped minimum 1 inch from pool to manhole.
3. Underdrains are assumed to be trenched from pool to manhole.

ITEM NO. 14. PROJECT MANUAL, SECTION 14 24 00 – HYDRAULIC ELEVATORS

A. Replace 2.3, D., as follows:

"D. Security Features:
1. Card Reader and Access Control System Operation: Provide required conductors in traveling cable and panel in machine room for interconnecting card readers and other access control system equipment with the elevator controllers.
2. Card readers shall be provided at all hall push-button stations and within cab at car control station. Card readers by Division 27
3. Card Reader and Access Control System shall activate elevator operation and make push buttons functional when approved credential is presented or access control system allows free access at specific times and days.
4. Card Reader and approved credential shall be used at all times to access stop 2 of elevator at equipment platform.

B. Add 2.10, A., 13, e., as follows:

"e. Security features/operation: Card-reader and access control system operation integration."

ITEM NO. 15. PROJECT MANUAL, SECTION 22 13 16 – SANITARY, WASTE, AND VENT PIPING SYSTEM

A. Article 2.4, E: Add "KC" designation to end of Zurn Model number.

ITEM NO. 16. ACCEPTABLE MANUFACTURERS

The following manufacturers are to be considered acceptable manufacturers (suppliers and fabricators) for the Sections of the Specifications listed. Listed manufacturers are required to bid on products equal in type and design, size, function, and quality to that originally specified. Final decision as to equality of products specified versus those proposed shall be made by the Architect.

Section 05 73 00 – Decorative Metal Railings
- RIW Ornamental Metal Inc., Wilder, Kentucky

Section 09 84 33 – Sound-Absorbing Wall Units
- Metal Trends by Sound Seal, Agawam, Massachusetts
- American Decorative Ceilings, Cleveland, Ohio (Ripple Wall RP200D Flat)

Section 10 21 13.19 – Solid Polymer Toilet Compartments
- Metpar Corporation, Westbury, New York

Section 10 51 26 – Solid Plastic Locker
- Summit Lockers, Columbia, South Carolina (HDPE Lockers)

ITEM NO. 17. REVISED DRAWING SHEETS

A. Drawing Sheets: C-105, S1.01, S1.03, S1.04, S5.03, S5.05, A1.01, A1.21, A1.31, A2.02, A3.01, A5.03, A6.01, A6S.01, A7.01, A7.02, A7.21, A7.22, A7.30, A7.41, A7S.01, A8.01, A8.02, A8.21, A8.22, A8.30, A8.31, A8.32, A8.33, A8.34, A8.40, A8.41, A8S.01, PL0.0, PL1.0, PL1.1, PL2.0, PL4.0, PL5.0, PL10.0, PL11.0, M1.01, M1.11, M1.17, M2.01, E1.02, E4.01, E5.01, E5.02, E5.03, E5.04, E5.05, E5.06, E6.01, E6.04, TA6.00, T1.01, T1.11, and T1.21 have been revised, dated 01/18/24, and are included with and hereby made a part of this Addendum. These Drawings supersede the original documents.

END OF ADDENDUM

SECTION 08 11 13 - HOLLOW METAL DOORS AND FRAMES

PART 1 - GENERAL

1.1 SUMMARY

A. Section Includes:
   1. Interior steel frames.
   2. Interior fire rated frames.
   3. Exterior steel doors and frames.
   4. Borrowed lites.

B. Furnish materials and equipment necessary for complete installation by the following Sections:
   1. Division 04 Section “Unit Masonry”: For installing anchors and frames in masonry construction.

C. Related Sections:
   1. Division 04 Section “Concrete Unit Masonry” for embedding anchors for hollow metal work into masonry construction.
   2. Division 07 Section “Joint Sealants”: For caulking between metal frames and adjacent materials.
   3. Division 08 Section “Flush Wood Doors”.
   4. Division 08 Section “Door Hardware” for coordination.
   5. Division 08 Section “Glazing”.
   6. Division 09 Sections “Exterior Painting” and “Interior Painting”**.**
   7. Division 26 Sections for electrical connections including conduit and wiring for door controls and operators.
      a. Exception: Low-voltage wiring for security access and for automatic door operator switches is pulled by Division 28 ("Electronic Safety and Security").

1.2 DEFINITIONS

A. Minimum Thickness: Minimum thickness of base metal without coatings according to NAAMM-HMMA 803 or ANSI/SDI A250.8.

1.3 REFERENCE STANDARDS

A. Codes and References: Comply with the version year adopted by the Authority Having Jurisdiction.
   1. ANSI/SDI A250.8 – Specifications for Standard Steel Doors and Frames.
   2. ANSI/SDI A250.4 – Test Procedure and Acceptance Criteria for Physical Endurance for Steel Doors, Frames, Frames Anchors and Hardware Reinforcing.
   3. ANSI/SDI A250.6 – Recommended Practice for Hardware Reinforcing on Standard Steel Doors and Frames.
   4. ANSI/SDI A250.10 – Test Procedure and Acceptance Criteria and Prime Painted Steel Surfaces for Steel Doors and Frames.
   5. ANSI/SDI A250.11 – Recommended Erection Instructions for Steel Frames.
   6. ASTM A1008 – Standard Specification for Steel Sheet, Cold-Rolled, Carbon Structural, High-Strength Low-Alloy and High-Strength Low-Alloy with Improved Formability.
   7. ASTM A653 – Standard Specification for Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy-Coated (Galvannealed) by the Hot-Dip Process.
   8. ASTM A924 – Standard Specification for General Requirements for Steel Sheet, Metallic-Coated by the Hot-Dip Process.
   9. ASTM C1363 – Standard Test Method for Thermal Performance of Building Assemblies by Means of a Hot Box Apparatus.
   10. ASTM E283 – Standard Test Method for Determining Rate of Air Leakage Through Exterior Doors Under Specified Pressure Differences Across the Specimens.

11. ASTM E330 – Standard Test Methods for Structural Performance of Exterior Windows, Curtain Walls, and Doors by Uniform Static Air Pressure Difference.
12. ASTM E413 – Classification for Rating Sound Insulation.
13. ANSI/ASA S12.60 – Acoustical Performance Criteria, Design Requirements and Guidelines for Schools.
14. ASTM E1332 – Standard Classification for Determination of Outdoor-Indoor Transmission Class.
15. ANSI/BHMA A156.115 – Hardware Preparation in Steel Doors and Frames.
16. ANSI/SDI 122 – Installation and Troubleshooting Guide for Standard Steel Doors and Frames.
17. ANSI/NFPA 80 – Standard for Fire Doors and Fire Windows; National Fire Protection Association.
18. ANSI/NFPA 105 – Standard for the Installation of Smoke Door Assemblies.
19. NFPA 252 – Standard Methods for Fire Tests of Door Assemblies; Natural Fire Protection Association.
20. NFRC 102 – Procedure for Measuring the Steady State Thermal Transmittance of Fenestration Systems.
21. NFRC 400 – Procedure for Determining Fenestration product Air Leakage.
22. UL 10C – Positive Pressure Fire Tests of Door Assemblies.
23. UL 1784 – Standard for Air Leakage Tests of Door Assemblies.

1.4 ADMINISTRATIVE REQUIREMENTS

A. Coordination
1. Coordinate installation of anchorages for standard steel frames. Furnish setting drawings, templates, and directions for installing anchorages, including sleeves, concrete inserts, anchor bolts, and items with integral anchors, that are to be embedded in concrete or masonry. Deliver such items to Project site in time for installation.
2. Refer to Division 08 Section “Glazing” to obtain glass thickness requirements. Provide stops and beads, properly sized, to support glass in accordance with manufacturer’s recommendations and Performance Standards.
3. Coordinate requirements for installation of door hardware, electrified, door hardware, and access control and security systems.

B. Pre-installation Meeting: Conduct meeting at Project site in compliance with requirements in Division 01 Section “Project Meetings” with attendance by representatives of suppliers, installers, and contractor. Review proper methods and procedures for installing hollow metal doors and frames and to verify installation of electrical knockout boxes and conduit at frames with electrical or access control hardware.
1. Hold meeting in conjunction with door hardware meeting.

1.5 ACTION SUBMITTALS

A. Product Data: For each type of door and frame specified, including details of construction, materials, dimensions, hardware preparation, core, label compliance, sound ratings, fire resistance and temperature rise ratings, profiles, and finishes, and indicating compliance with “Performance Requirements”.
1. Schedule: Provide a schedule of hollow-metal work prepared by or under the supervision of supplier, using same reference numbers for details and openings as those on Drawings. Coordinate with final Door Hardware Schedule.

B. Shop Drawings: Include the following in accordance with Steel Door Institute (SDI) 111D.
1. Elevations of each door type.
2. Details of doors, including vertical and horizontal edge details and metal thickness.
3. Frame details for each frame type, including dimensioned profiles and metal thicknesses.
4. Locations of reinforcement and preparations for hardware.
5. Details of each different wall opening condition. Drawings must show actual wall conditions.

6. Details electrical raceway and preparation for electrified hardware, access control systems, and security systems.
7. Details of anchorages, joints, field splices, and connections.
8. Details of accessories.
9. Details of moldings, removable stops, and glazing.

1.6 CLOSEOUT SUBMITTALS

A. General: Closeout Submittals are to be submitted with O and M Manuals only. Do not submit with other ACTION and INFORMATIONAL Submittals.
1. Maintenance Data: For sound control door assemblies to include in maintenance manuals.
2. Record Documents: For fire-rated doors, list of door numbers and applicable room name and number to which door accesses.

1.7 QUALITY ASSURANCE

A. Quality Standard: Comply with ANSI/SDI A250.8, latest edition, “Recommended Specifications for Standard Steel Doors and Frames”.

B. No product shall be manufactured prior to receipt of approved hardware schedule and templates.

1.8 DELIVERY, STORAGE, AND HANDLING

A. General: All products shall be marked with A/E’s opening number on all doors, frames, miscellaneous parts and cartons.

B. Handle, store, and protect products in accordance with manufacturers printed instructions and ANSI/SDI A250.10.
1. Provide additional protection to prevent damage to finish of factory finished doors and frames.
2. Deliver welded frames with two removable spreader bars across bottom of frames, tack welded to jambs and mullions.
a. Temporary spreader bars are intended for shipping and handling purposes only.

C. Inspect doors and frames on delivery for damage, and notify shipper and supplier if damage is found. Minor damages may be repaired provided refinished items match new work and are acceptable to A/E. Remove and replace damaged items that cannot be repaired as directed.

D. Store doors and frames at building site under cover. Place units on minimum 4 inch high wood blocking. Avoid using nonvented plastic or canvas shelter that could create a humidity chamber. If door packaging becomes wet, remove cartons immediately. Provide minimum 1/4 inch spaces between stacked doors to permit air circulation.
1. A 1/4 inch space between doors shall be provided to promote air circulation. If the wrapper on the door becomes wet, it must be removed immediately.

1.9 FIELD CONDITIONS

A. Field Measurements: Verify actual dimensions of openings by field measurements before fabrication.

B. Door Size Field Verification: Contractor/door supplier shall note that the door sizes as listed on the door schedule, for new doors in existing frames, are approximate and are for bidding purposes only. The contractor/door supplier MUST field verify door size, frame preps, and other frame conditions prior to submission of Shop Drawings and fabrication of doors. It will be assumed, by the A/E, that the door size as indicated on the Shop Drawings has been field verified by the contractor/door supplier. Doors shipped to the project that are incorrect size for the existing frame shall be the responsibility of the contactor/door supplier to replace at no additional cost to the Project.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

A. Hollow Metal Door and Frame Manufacturers: Subject to compliance with requirements, provide products by one of the manufacturers specified.
1. Ceco Door Products; Div. of Assa-Abloy Group Company
2. Steelcraft; Div. of Ingersoll-Rand
3. Curries; Div. of Assa-Abloy Group Company
4. Mesker Door Inc.
5. The MPI Group, LLC
6. Deansteel Manufacturing Company
7. Security Metal Products
8. DCI Hollow Metal
9. Pioneer Industries
10. Republic Doors and Frames
11. Premier Steel Doors and Frames

B. Products of other manufacturers will be considered for acceptance provided they equal or exceed the material requirements and functional qualities of the specified product. Requests for A/E's approval must be accompanied by the “Substitution Request Form” and complete technical data for evaluation. All materials for evaluation must be received by the Project Manager and Specification Department at least 10 days prior to bid due date. Additional approved manufacturers will be issued by Addendum.

C. Source Limitations: Obtain hollow metal doors and frames through one source from a single manufacturer.

2.2 PERFORMANCE REQUIREMENTS

A. Regulatory Requirements: Openings shall be provided to conform to the Americans with Disabilities Act Accessibility Guidelines (ADAAG) and State and Local Regulations. Where openings, in the opinion of the supplier/manufacturer, do not conform, the A/E shall be notified.

B. Fire-Rated Door Assemblies: Assemblies complying with NFPA 80 that are listed and labeled by a testing and inspecting agency acceptable to authorities having jurisdiction, for fire protection ratings indicated, based on testing according to NFPA 252 or UL 10c.
1. Test Pressure: “Positive Pressure Tested,” after 5 minutes into the test, the neutral pressure level in the furnace shall be established at 40 inches or less above the sill.
2. Temperature Rise Rating: Where indicated, provide doors that have a temperature rise rating of 450 degrees F maximum in 30 minutes of fire exposure.
3. Oversize, Fire-Rated Door Assemblies: For units exceeding sizes of testing assemblies, provide certification by a qualified testing agency that does comply with standard construction requirements for tested and labeled fire-rated door assemblies except for size.
4. Smoke- and Draft-Control Assemblies: Listed and labeled for smoke and draft control by a qualified testing agency acceptable to authorities having jurisdiction based on testing according to UL 1784 and installed in compliance with NFPA 105..
    a. Smoke “S” Label: Doors to bear “S” label, and include smoke and draft control gasketing applied to frame and on meeting stiles of pair doors.

5. Affix a physical label or approved marking on each fire door or fire door frame, at an authorized facility as evidence of compliance with procedures of the labeling agency. Label embossment is not permitted.

C. Fire Rated Borrowed Light Assemblies: Assemblies complying with NFPA 80 that are listed and labeled by a testing and inspecting agency acceptable to authorities having jurisdiction, for fire ratings indicated, based on testing according to NFPA 257 or UL 9.

D. Air Infiltration: Test according to ASTM E 283 for infiltration as follows:
1. Fixed Framing and Glass Area:
   a. Maximum air leakage of 0.06 cfm/sq.ft. at static-air-pressure differential of 1.57 lbf/sq.ft..
2. Entrance Doors:
   a. Pair of Doors: Maximum air leakage of 1.0 cfm/sq.ft. at a static-air-pressure differential of 1.57 lbf/sq.ft.
   b. Single Doors: Maximum air leakage at 0.5 cfm/sq.ft. at a static-air-pressure differential of 1.57 lbf/sq.ft.

E. Thermal Performance (Exterior Openings): Independent testing laboratory certification for exterior door assemblies being tested in accordance with ASTM C1363 and meet or exceed the following requirements:
1. Door Assembly Operable U-Factor and R-Value Ratings U-Factor 0.395, R-Value 2.53, including insulated door, thermal-break frame and threshold.

F. Smoke Control Door Assemblies: Provide an assembly with gaskets listed and labeled for smoke and draft control by a qualified testing agency acceptable to authorities having jurisdiction, based on testing according to UL 1784 and installed in compliance with NFPA 105.
1. Smoke door assemblies (including fire doors that are also smoke doors) shall have an air leakage rating not greater than 3 cubic feet/minute/square foot of door opening when tested in accordance with ANSI/UL 1784, Air Leakage Tests of Door Assemblies, and the door shall bear an “S” label indicating compliance with requirement.

2.3 HOLLOW METAL DOOR

A. General: Provide 1-3/4 inch doors of design indicated, not less than thickness indicated; fabricated with smooth surfaces, without visible joints or seams on exposed faces, unless otherwise indicated. Comply with ANSI/SDI A250.8.

B. Construct hollow-metal doors to comply with standards indicted for materials, fabrication, hardware locations, hardware reinforcement, tolerances, and clearances, and as specified.

C. Door types shall conform to ANSI A250.8 for level and model and ANSI A250.4 for physical endurance level indicated hereinafter.

D. Exterior Flush Type Doors
1. Level 4 and physical performance Level A, maximum duty 1-3/4 inch, Model 2 – seamless.
   a. Face Steel Sheet: 0.067-inch thick (fka 14 gauge) galvanized, A60 steel construction, factory applied baked on primer.
2. Type: As indicated in the Door and Frame Schedule.
3. Thickness: 1-3/4 inches.
4. Door Face Sheets: One sheet of metal with no visible seams.
5. Lock and Hinge Edge: Continuously or spot welded full height of door, with welds filled and ground smooth.
6. Top Edge Closures: Close top edges of doors with flush closures of same material as face sheets. Seal joints against water penetration.

7. Bottom Edges: Close bottom edges of doors where required for attachment of weatherstripping with end closures or channels of same material as face sheets.
8. Interior Core: Foamed in place, closed cell, polyurethane chemically bonded to the door face sheets.

E. Adjust width of doors, as required, where full mortise continuous hinges are scheduled.

F. Coordinate with Division 08 Section “Door Hardware”, the undercut requirements for exterior doors with thresholds. Standard undercut will not be acceptable for low profile handicap thresholds.

2.4 DOOR ACCESSORIES

A. Vision Lite Systems (Borrowed Lites): Manufacturer’s standard kits consisting of glass lite moldings to accommodate glass thickness and size of vision lite indicated.
1. Construction: Face welded.
2. Fabricate in one piece except where handling and shipping limitations require multiple sections. Where frames are fabricated in sections due to shipping or handling limitations, provide alignment plates or angles at each joint, fabricated of metal of same or greater thickness as metal as frames.
3. Provide countersunk, flat or oval-head exposed screws and bolts for exposed fasteners, unless otherwise noted.

B. Astragals: At rated and nonrated interior and exterior doors with 3-point latching, (lockset/panic exit device and flush bolts), furnish a steel “Z” astragal, factory prepared for hardware as scheduled.
1. RHR and LHR Doors: Mount astragal on the ACTIVE leaf and overlap the inactive leaf for latch bolt security. Notch astragal for strike lip.
2. RH and LH Doors: Mount astragal on the INACTIVE leaf to overlap the key side of the active door leaf for latch bolt security.

C. Vision Lite Systems and Astragals for exterior doors shall be galvanized steel with factory applied baked on primer.

D. Where continuous hinges are specified for fire rated doors, provide minimum 0.053 inch thick (fka 17 MSG) hinge edge.

E. Provide gasketing and door bottoms as specified under Division 08 Section “Door Hardware”.
1. Gasketing and door seals are not to be painted.

F. Doors shall have a 3/8 inch undercut.
1. Coordinate adjustable mortise door bottom as specified in Division 08 Section “Door Hardware” with bottom door channel and undercuts.

2.5 HOLLOW METAL FRAMES

A. General: Provide steel frames for doors, transoms, sidelights, borrowed lights, and other openings that comply with ANSI A250.8 and with details indicated for type and profile. Conceal fastenings, unless otherwise indicated.

B. Thermal Break Exterior Frames: Subject to the same compliance standards and requirements as standard hollow metal frames. Tested for thermal performance in accordance with NFRC 102, and resistance to air infiltration in accordance with NFRC 400. Exterior frames shall be thermally broken for use in masonry construction. Fabricate with 1/16 inch positive thermal break and integral vinyl weatherstripping.

C. Frames for exterior door openings shall be fabricated with 2 inch and 4 inch face at jambs, heads and mullions, unless otherwise indicated.
   1. 0.067 inch thick (fka 14 gauge) steel, galvanized, A60, steel with factory applied for Level 4 doors.
   2. Thermally break frames with manufacturers standard thermal break material, at exterior openings, unless otherwise noted or fire-rating is required.

D. Frames for interior door openings and borrowed lights shall be fabricated with 2 inch and 4 inch face at jambs, heads and mullions, unless otherwise indicated.
   1. 0.053 inch thick (fka 16 gauge) steel, cold rolled, factory applied baked on primer, for Level 2 and Level 3 steel doors and wood doors.
   2. 0.067-inch thick (fka 14 gauge) for all door frames installed in steel or wood stud walls.

E. Full Profile Welded Frames, unless otherwise noted: Frames for masonry and steel stud and drywall construction shall be mitered or butted and set-up and welded, ("SUW") with welds on exposed surfaces dressed smooth and flush. Provide a temporary spreader bar securely fastened to the bottom of each frame. Butt-welded frames without back bend at head and jamb joint will not be acceptable.

2.6 BORROWED LITES

A. Fabricate of uncoated steel sheet, minimum thickness of 0.053 inch.

B. Construction:
   1. Face welded at concrete unit masonry partitions.

C. Fabricate in one piece except handling and shipping limitations require multiple sections. Where frames are fabricated in sections due to shipping or handling limitations, provide alignment plates or angles at each joint, fabricated of metal of same or greater thickness as metal as frames.

D. Provide countersunk, flat- or oval-head exposed screws and bolts for exposed fasteners, unless otherwise indicated.

2.7 FRAME ASSEMBLIES

A. Stops and Beads: Furnish minimum 0.032 inch thick (fka 20 gauge) metal glazing beads with the hollow metal frames at transoms, side lights, interior glazed panels, and other locations where beads are indicated in pressed steel frames. Glazing beads for exterior frames shall be on the interior side of transoms and sidelights. Glazing beads for interior frames shall be located on the secure side of opening.

B. Mortar/Plaster Guards: Provide minimum 0.016 inch thick (fka 26 gauge) steel plaster guards or mortar boxes, welded to the frame, at back of door hardware cutouts where mortar or other materials might obstruct hardware operation.

C. Hardware Reinforcement: Fabricate according to ANSI/SDI A250.6, Table 4 with reinforcement plates from same material as frames.
   1. Provide minimum 0.1495 inch thick (fka 9 MSG) hinge reinforcement, including all doors with continuous type hinges.
   2. Provide minimum 0.1046 inch thick (fka 12 MSG) frame head reinforcement for closers, surface, and concealed overhead stop and holders, removable mullions, flush bolts, and top latch of vertical rod exit devices.

D. Door Silencers: Drill stops and install 3 silencers on strike jambs of single swing frames and 2 silencers on heads of double swing frames.

E. Hollow metal frames requiring continuous hinges shall have a continuous mortar guard of a minimum 0.016 inch thick (fka 26 gauge) steel, welded to frame, the full height of the door. Mortar guards shall be shop applied by frame supplier.

F. Electrical Requirements: Coordinate all electrical requirements for doors and frames. Make provisions for installation of electrical items so that wiring can be readily removed and replaced.
   1. Provide cutouts and reinforcements required for metal door frame to accept electric components.
   2. Provide cutouts and reinforcements required to accept security system components.
   3. Exterior door frames shall be furnished with a mortar box installed, as a junction box for door security monitoring contacts. Install junction box in frame head 12 inches from strike edge of frame to centerline of box. Weld junction box to inside of 1-15/16 inch frame rabbet.
      a. Mortar Box
         1) 10 inch by 1-3/4 inch by 1-3/4 inch inside dimensions.
         2) Serves as mortar shield.
         3) Knock outs at each end for standard conduit fittings.

G. All frames installed in masonry shall be furnished with field-or-shop applied corrosion-resistant coating the full depth of frame.

H. Mineral-fiber Insulation: Insulation composed of rock-wool fibers, slag-wool fibers, or glass fibers.

2.8 FRAME ANCHORAGE

A. Jamb Anchors: Provide anchors of size and type required by applicable door and frame standard, and suitable for performance level indicated.
   1. Frames Set in New Masonry: Provide metal anchors of shapes and sizes required for the adjoining wall construction. Provide a minimum of 3 wall anchors per jamb. Frames over 7’-6” shall be provided with one additional anchor for each 24 inch or fraction thereof.
      a. Provide adjustable strap-and-stirrup or T-shaped anchors to suit frame size, not less than 0.042 inch thick (fka 18 gauge), with corrugated or perforated straps not less than 2 inches wide by 10 inches long; or wire anchors not less than 0.1770-inch in diameter (fka 7 WMG).
      b. Where anchorage of tornado shelter doors are required, provide anchorage as tested.
   2. Frames Set Against Previously Placed Masonry or Concrete: Punch each frame jamb and dimple countersink for not less than four 3/8 inch, diameter flat head screws. For doors over 7’-6” high, punch for one additional anchor for each 24 inches or fraction thereof. Provide pipe sleeves with spacers welded into each jamb at each fastening location. Provide 3/8 inch diameter galvanized steel flat head screws with approved expansion anchors or toggles as required. After installing flat head screws, fill head of countersink screw with body filler, then sand flush with frame.
   3. Frames Set in Metal Stud Partitions: Provide a minimum of three 0.042 inch thick (fka 18 gauge) metallic coated "Z" shaped sheet metal jamb anchor clips welded in each jamb. For doors over 7’-6” high weld one additional anchor for each 24 inches or fraction thereof.

B. Provide head anchors at door or window heads over 5 feet wide at minimum 3 feet o.c. mounted in metal-stud partitions.

C. Floor Anchors: Weld anchors to bottoms of jambs with at least four spot welds per anchor; however, for slip-on drywall frames, provide anchor clips or countersunk holes at bottom of jambs.
   1. Provide 0.067 inch thick (fka 14 gauge) minimum anchors punched for two 3/8 inch diameter bolts each.

D. Floor Anchors for Concrete Slabs with Underlayment: Adjustable-type anchors with extension clips, allowing not less than 2-inch height adjustment. Terminate bottom of frames at top of underlayment.

E. Material: ASTM A879, Commercial Steel (CS), 04Z coating designation; mill phosphatized.
   1. For anchors built into exterior walls, steel sheet complying with ASTM A1008 or ASTM A1011; hot-dip galvanized according to ASTM A153, Class B.

2.9 FIRE DOORS AND FRAMES

A. Provide approved and labeled hollow metal fire doors and frames at locations indicated in Door Schedule. Approved doors, frames, and hardware shall be constructed and installed in accordance with requirements of NFPA 80 and tested by UL (Underwriters' Laboratories, Inc.) or WH (Warnock Hersey) for the class of door opening indicated in schedules.
   1. Smoke doors must comply with NFPA 105 and door shall bear an “S” label indicating compliance with this requirement.

B. Provide 3/4 inch stops for sidelights and transoms where the individual glass areas for fire rated openings exceeds the allowable area for 5/8 inch stops.

C. Where continuous hinges are specified for labeled openings, apply the label in rabbet of the frame head and on top of the door. Labels shall be placed 12 inches from strike edge of door(s).

D. Label Materials and Attachment: Labels shall be steel, brass, aluminum, or non-metallic. Metal labels shall be attached by welding, riveting, pop riveting, or with drive screws. Embossed labels stamped directly into the steel will not be acceptable. Labels shall be provided for doors, door frames, and borrowed lites. Labels shall be protected during painting. Label protection shall be removed after final coat of paint has been completed and approved.

E. Labeled metal frames are required for labeled wood doors.

F. Door Astragals: Provide overlapping astragal on one leaf of pairs of doors where required by NFPA 80 for fire-performance rating or where indicated. Extend minimum 3/4 inch beyond edge of door on which astragal is mounted or as required to comply with published listing of qualified testing agency.

2.10 HARDWARE

A. Hardware, General: Comply with requirements in Division 08 Section “Door Hardware”.
   1. Hinges and latching device shall be factory pre-installed on tornado resistant steel door and frame assembly.

2.11 MATERIALS

A. Metallic Coated Steel Sheets: ASTM A653, Commercial Steel (CS), Type B, with an A60 zinc-iron-alloy coating; stretcher-leveled standard of flatness.

B. Frame Anchors: ASTM A 879, Commercial Steel (CS). 4oz (12G) coating designation; mill phosphatized.
   1. For anchors built into exterior walls, steel complying with ASTM A 1008A or ASTM A 1011, hot-dip galvanized according to ASTM A 153, Class B.

C. Inserts, Bolts, and Fasteners: Manufacturer's standard units, except hot dip zinc coated items to be built into exterior walls, complying with ASTM A153, Class C or D as applicable.

D. Shop Applied Paint: For steel surfaces, use rust-inhibitive enamel or paint, either air drying or baking, suitable as a base for specified finish paints.
   1. Comply with ANSI A250.10 for acceptance criteria.

E. Mineral-Fiber Insulation: ASTM C 665, Type 1 (blankets without membrane facing); consisting of fibers manufactured from slag or rock wool with 6 to 16 pounds per cu. ft. density; with maximum flame-spread and smoke development indexes of 25 and 50, respectively; passing ASTM E 136 for combustion characteristics.

F. Glazing: Comply with requirements in Division 08 Section “Glazing”.
   1. Glazing shall be factory preinstalled on tornado resistant steel door and frame assembly.

G. Corrosion-Resistant Coating: Spray-applied rubber- or asphalt-based automotive undercoating. Cold-applied asphalt mastic, compounded for 15-mil dry film thickness per coat. Provide inert-type noncorrosive compound free of asbestos fibers, sulfur components, and other deleterious impurities.

H. Power-Actuated Fasteners in Concrete: Refer to Division 05 Section “Metal Fabrications”.

2.12 FABRICATION

A. Fabricate steel door and frame units to comply with ANSI A250.8 and to be rigid, neat in appearance, and free from defects, warp, or buckle. Accurately form metal to required sizes and profiles. Wherever practicable, fit and assemble units in the manufacturer's plant. Clearly identify work that cannot be permanently factory assembled before shipment, to assure proper assembly at the Project site.

B. Hollow-Metal Doors:
   1. Vertical Edges for Single-Acting Doors: Bevel edges 1/8 inch in 2 inches, unless otherwise noted.
   2. Top Edge Closures: Close top edges of doors with inverted closures, except provide flush closure at exterior doors of same material as face sheets.
   3. Bottom Edge Closures: Close bottom edge of doors with end closures or channels of same material as face sheets. Coordinate with weatherstripping.
   4. Glazed Lites: Factory cut openings in doors with applied trim or kits to fit. Factory install glazing where indicated.
   5. Astragals: Provide overlapping astragal on one leaf of pairs of doors where required by NFPA 80 for fire-performance rating or where indicated. Extend minimum 3/4 inch beyond edge of door on which astragal is mounted or as required to comply with published listing of qualified testing agency.

C. Hollow-Metal Frames: Fabricate in one piece except where handling and shipping limitations require multiple sections. Where frames are fabricated in Sections due to shipping or handling limitations, provide alignment plates of angles at each joint, fabricated of same thickness metal as frames.
   1. Shipping Limitations: Where frames are fabricated in sections due to shipping or handling limitations, provide alignment plates or angles at each joint, fabricated of same thickness metal as frames.
   2. Welded Frames: Weld flush face joints continuously; grind, fill, dress, and make smooth, flush, and invisible.
      a. Welded frames are to be provided with two steel spreaders temporarily attached to the bottom of both joints to serve as a brace during shipping and handling. Spreader bars are for bracing only and are not to be used to size the frame opening.
   3. Sidelight and Transom Bar Frames: Provide closed tubular members with no visible face seams or joints, fabricated from same material as door frame. Fasten members at crossings and to jambs by butt welding.

4. Door Silencers: Except on weather-stripped frames, drill stops to receive door silencers as follows. Keep holes clear during construction.
   a. Single-Door Frames: Drill stop in strike jamb to receive three door silencers.
   b. Double-Door Frames: Drill stop in head jamb to receive two door silencers.
5. Mortar Guards: Provide guard boxes at back of hardware mortises in frames at all hinges and strike preps regardless of grouting requirements.
6. Frame Undercoating: Where frames are fully grouted with an approved Portland Cement based grout or mortar, coating inside of frame throat with a water-based frame undercoating or asphaltic emulsion coating to a minimum thickness of 3 mils DFT, tested in accordance with UL 10C and applied to the frame under a 3rd party independent follow-up service procedure.

D. Fabricate concealed stiffeners, reinforcement, edge channels, and moldings from either cold rolled or hot rolled steel (at fabricator's option).
   1. Minimum hardware reinforcement gage shall comply with Table 4 of ANSI/SDI A250.8 “SDI 100, Recommended Specifications for Standard Steel Doors and Frames”.

E. Clearances for Non-Fire Rated Doors: Not to exceed 1/8 inch at jambs and heads, 3/32 inch between pairs of doors, and 3/4 inch at bottom.

F. Clearances for Fire Rated Doors: As required by NFPA 80.

G. Exposed Fasteners: Unless otherwise indicated, provide countersunk flat Phillips heads for exposed screws and bolts.

H. Door Hardware Preparation: Factory prepare hollow-metal work to receive templated mortised hardware; and electrical wiring; include cutouts, reinforcement, mortising, drilling, and tapping according to ANSI/SDI A250.6, the Door Hardware Schedule, and templates.
   1. Prepare hollow metal units to receive mortised and concealed door hardware, including cutouts, steel reinforcing, drilling, and tapping in accordance with final door hardware schedule and templates provided by hardware supplier. Comply with applicable requirements of ANSI/SDI A250.6 and ANSI/BHMA A156.115 for preparation of hollow-metal work for hardware.
   2. Reinforce hollow metal units to receive nontemplated, mortised, and surface mounted hardware. Hardware installer shall drill and tap for surface applied hardware.
   3. Coordinate locations of conduit and wiring boxes for electrical connections.

I. Glazed Lites: Provide stops and moldings around glazed lites: Manufacturer’s standard, formed from minimum 0.032 inch thick (fka 20 gauge) steel sheet stops and moldings around glazed lites and louvers. Form corners of stops and moldings with butted or mitered hairline joints.
   1. Provide stops and moldings flush with face of door, and with square stops, unless otherwise indicated.
   2. Single Glazed Lites: Provide fixed stops and moldings welded on secure side of hollow-metal work.
   3. Multiple Glazed Lites: Provide fixed and removable stops and moldings so that each glazed lite are capable of being removed independently.
   4. Provide non-removable stops on outside of exterior doors and on secure side of interior doors for glass, louvers, and other panels in doors.
   5. Provide screw applied, removable, glazing stops on inside of glass, louvers, and other panels in doors.
   6. Coordinate rabbet width between fixed and removable stops with glazing and installation types indicated.
   7. Provide stops for installation with countersunk flat- or oval-head machine screws spaced uniformly not more than 9 inches o.c. and not more than 2 inches o.c. from each corner.

J. Electrical Thru-Wiring: Provide hollow metal frames receiving electrified hardware with loose wiring harness. Coordinate connectors on end of the wiring harness to plug directly into the electric through-wire transfer hardware or wiring harness.

K. Electrical Knockout Boxes: Factory weld 18 gauge electrical knockout boxes to frame for electrical hardware preps; including, but not limited to, electrical through wire transfer hardware, electrical raceways and wiring harnesses, door position switches, electrical strikes, magnetic locks, and jamb mounted card readers.
   1. Provide electrical knockout boxes with a dual 1/2 inch and 3/4 inch knockouts.
   2. Conduit to be coordinated and installed in the field (Division 26) from middle hinge box and strike box to door position box.
   3. Electrical knockout boxes to comply with NFPA requirements and fit electrical door hardware.
   4. Electrical knockout boxes for continuous hinges should be located in the center of the vertical dimension on the hinge jamb.

2.13 STEEL FINISHES

A. General: Comply with recommendations in “Metal Finishes Manual by Architectural and Metal Products (AMP) Division of National Association of Architectural Metal Manufacturers (NAAMM) for applying and designating finishes.
   1. Finish standard steel door and frames after assembly.

B. Metallic Coated Steel Surface Preparation: Clean surfaces with nonpetroleum solvent so surfaces are free of oil and other contaminants. After cleaning, apply a conversion coating suited to the organic coating to be applied over it. Clean welds, mechanical connections, and abraded areas, and apply galvanizing repair paint specified below to comply with ASTM A780.
   1. Galvanizing Repair Paint: High zinc dust content paint for regalvanizing welds in steel, complying with SSPC Paint 20.

C. Steel Surface Preparation: Clean surfaces to comply with SSPC-SP1, “Solvent Cleaning”; remove dirt, oil, grease, or other contaminants that could impair paint bond. Remove mill scale and rust, if present, from uncoated steel; comply with SSPC-SP 3, “Power Tool Cleaning,” or SSPC-SP 6/NACE No. 3, “Commercial Blast Cleaning”.

D. Factory Priming for Field Painted Finish: Apply shop primer specified below immediately after surface preparation and pretreatment. Apply a smooth coat of even consistency to provide a uniform dry film thickness of not less than 0.7 mils.
   1. Shop Primer: Manufacturer’s standard, fast curing, lead and chromate free primer complying with ANSI A250.10 acceptance criteria; recommended by primer manufacturer for substrate; compatible with substrate and field applied finish paint system indicated; and providing a sound foundation for field applied topcoats despite prolonged exposure.

PART 3 - EXECUTION

3.1 EXAMINATION

A. Examine substrates, areas, and conditions, with installer present, for compliance with requirements for installation tolerances and other conditions affecting performance of standard steel doors and frames.
   1. Examine roughing-in for embedded and built-in anchors to verify actual locations of standard steel frame connections before frame installation.

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

3.2 PREPARATION

A. Prior to installation and with Contractor-installed installation spreaders in place, adjust and securely brace standard steel door frames for squareness, alignment, twist, and plumb. Tolerances shall comply with SDI-117 “Manufacturing Tolerances Standard Steel Doors and Frames,” unless otherwise noted herein.
   1. Squareness: Plus or minus 1/16 inch, measured at door rabbet on a line 90 degrees from jamb perpendicular to frame head.

2. Alignment: Plus or minus 1/16 inch, measured on jambs on a horizontal line parallel to plane of wall.
3. Twist: Plus or minus 1/16 inch, measured at opposite face corners of jambs on parallel lines, and perpendicular to plane of wall.
4. Plumbness: Plus or minus 1/16 inch, measured at jambs on a perpendicular line from head to floor.

B. Remove welded-in shipping spreaders installed at factory. Restore exposed finish by grinding, filling, and dressing, as required to make repaired area smooth, flush, and invisible on exposed faces. Touchup factory-applied finishes where spreaders are removed.

C. Drill and tap doors and frames to receive nontemplated mortised and surface mounted door hardware.

3.3 INSTALLATION

A. General: Provide doors and frames of sizes, thicknesses, and designs indicated. Install standard steel doors and frames plumb, rigid, properly aligned, and securely fastened in place; comply with Drawings and manufacturer's written instructions.

B. Standard Steel Frames: Install standard steel frames for doors, sidelights, transoms, borrowed lights, and other openings, of size and profile indicated. Comply with ANSI/SDI A250.11 as required by standards specified.
1. Set frames accurately in position; plumbed, aligned, and braced securely until permanent anchors are set. After wall construction is complete, remove temporary braces, leaving surfaces smooth and undamaged.
    a. At fire protection rated openings, install frames according to NFPA 80.
    b. Where frames are fabricated in sections due to shipping or handling limitations, field splice at approved locations by welding face joint continuously; grind, fill, dress, and make splice smooth, flush, and invisible on exposed faces.
    c. Install frames with removable glazing stops located on secure side of opening.
    d. Install door silencers in frames.
    e. Remove temporary braces necessary for installation only after frames have been properly set and secured.
    f. Check plumb, squareness, and twist of frames as walls are constructed. Shim as necessary to comply with installation tolerances.
    g. Field-apply corrosion-resistant coating to backs of all frames where coating has not been factory applied.
2. At fire protection rated openings, install frames according to NFPA 80.
3. Floor Anchors: Provide floor anchors for each jamb and mullions that extends to floor and secure with postinstalled expansion anchors.
    a. Floor anchors may be set with powder actuated fasteners instead of postinstalled expansion anchors if so indicated and approved on shop drawings.
4. Metal Stud Partitions: Solidly pack mineral fiber insulation behind frames.
    a. At exterior doors.
5. Masonry Walls: Coordinate installation of frames to allow for solidly filling space between frames and masonry with grout as specified.
    a. Where grout is installed during masonry installation, frames shall be braced or fastened in such a way that will prevent the pressure of the grout from deforming the frame members. Grout shall be mixed to provide a 4 inch maximum slump consistency, hand troweled into place. Grout mixed to a thin "pumpable" consistency shall not be used.
        1) Refer to ANSI A 250.8 for additional information.
    b. Coordinate with hardware to allow for electrical wire.
6. In-Place (Existing) Concrete or Masonry Construction: Secure frames in place with postinstalled expansion anchors. Countersink anchors, and fill and make smooth, flush, and invisible on exposed faces.
7. Installation Tolerances: Adjust standard steel door frames for squareness, alignment, twist, and plumb to the following tolerances:

a. Squareness: Plus or minus 1/16 inch, measured at door rabbet on a line 90 degrees from jamb perpendicular to frame head.
b. Alignment: Plus or minus 1/16 inch, measured at jambs on a horizontal line parallel to plane of wall.
c. Twist: Plus or minus 1/16 inch, measured at opposite face corners of jambs on parallel lines, and perpendicular to plane of wall.
d. Plumbness: Plus or minus 1/16 inch, measured at jambs at floor.

C. Standard Steel Doors: Fit hollow metal doors accurately in frames, within clearances specified below. Shim as necessary.
1. Non Fire Rated Standard Steel Doors: Comply with ANSI/SDI A250.8:
a. Jambs and Head: 1/8 inch plus or minus 1/16 inch.
b. Between Edges of Pairs of Doors: 1/8 inch plus or minus 1/16 inch.
c. Between Bottom of Door and Top of Threshold: Maximum 3/8 inch.
d. Between Bottom of Door and Top of Finish Floor (No Threshold): Maximum 3/4 inch.
2. Fire Rated Doors: Install with clearances according to NFPA 80.
3. Smoke Control Door Assemblies: Install according to NFPA 105.

D. Glazing: Comply with installation requirements in Division 08 Section “Glazing” and with standard steel door and frame manufacturer’s written instructions.
1. Secure stops with countersunk flat or oval head machine screws spaced uniformly not more than 9 inches o.c., and not more than 2 inches o.c. from each corner.

3.4 ADJUSTING/CLEANING

A. Final Adjustments: Verify that bolts and screws are tight and firmly seated. Check and readjust operating hardware items immediately before final inspection. Leave work in complete and proper operating condition. Remove and replace defective work, including standard steel doors or frames that are warped, bowed, or otherwise unacceptable.

B. Clean steel doors and frames immediately after installation. Remove grout and other bonding material from hollow metal work immediately after installation.

3.5 REPAIR

A. Prime Coat Touchup: Immediately after erection, sand smooth rusted or damaged areas of prime coat and apply touchup of compatible air drying primer.

B. Metallic-Coated Surfaces: Clean abraded areas and repair with galvanizing repair paint according to manufacturer’s written instructions.

END OF SECTION 08 11 13

SECTION 08 71 00 - DOOR HARDWARE

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 1 Specification Sections, apply to this Section.

1.2 SUMMARY

A. This Section includes commercial door hardware for the following:

1. Swinging doors.
2. Other doors to the extent indicated.

B. Door hardware includes, but is not necessarily limited to, the following:

1. Mechanical door hardware.
2. Electromechanical door hardware.
3. Automatic operators.
4. Cylinders specified for doors in other sections.

C. Related Sections:

1. Division 08 Section “Hollow Metal Doors and Frames”.
2. Division 08 Section “Flush Wood Doors”.
3. Division 08 Section “Fiberglass Doors”,
4. Division 08 Section “Sound Control Wood Door Assemblies”.
5. Division 08 Section “Aluminum-Framed Entrances and Storefronts”.
6. Division 08 Section “Automatic Door Operators”.

D. Codes and References: Comply with the version year adopted by the Authority Having Jurisdiction.

1. ANSI A117.1 - Accessible and Usable Buildings and Facilities.
2. ICC/IBC - International Building Code.
3. NFPA 70 - National Electrical Code.
4. NFPA 80 - Fire Doors and Windows.
5. NFPA 101 - Life Safety Code.
6. NFPA 105 - Installation of Smoke Door Assemblies.
7. UL/ULC and CSA C22.2 - Standards for Automatic Door Operators Used on Fire and Smoke Barrier Doors and Systems of Doors.
8. State Building Codes, Local Amendments.

E. Standards: All hardware specified herein shall comply with the following industry standards as applicable. Any undated reference to a standard shall be interpreted as referring to the latest edition of that standard:

1. ANSI/BHMA Certified Product Standards - A156 Series.
2. UL10C - Positive Pressure Fire Tests of Door Assemblies.
3. ANSI/UL 294 - Access Control System Units.
4. UL 305 - Panic Hardware.
5. ANSI/UL 437- Key Locks.

1.3 SUBMITTALS

A. Product Data: Manufacturer's product data sheets including installation details, material descriptions, dimensions of individual components and profiles, operational descriptions and finishes.

B. Door Hardware Schedule: Prepared by or under the supervision of supplier, detailing, fabrication and assembly of door hardware, as well as procedures and diagrams. Coordinate the final Door Hardware Schedule with doors, frames, and related work to ensure proper size, thickness, hand, function, and finish of door hardware.

1. Format: Comply with scheduling sequence and vertical format in DHI's "Sequence and Format for the Hardware Schedule."
2. Organization: Organize the Door Hardware Schedule into door hardware sets indicating complete designations of every item required for each door or opening. Organize door hardware sets in same order as in the Door Hardware Sets at the end of Part 3. Submittals that do not follow the same format and order as the Door Hardware Sets will be rejected and subject to resubmission.
3. Content: Include the following information:

    a. Type, style, function, size, label, hand, and finish of each door hardware item.
    b. Manufacturer of each item.
    c. Fastenings and other pertinent information.
    d. Location of door hardware set, cross-referenced to Drawings, both on floor plans and in door and frame schedule.
    e. Explanation of abbreviations, symbols, and codes contained in schedule.
    f. Mounting locations for door hardware.
    g. Door and frame sizes and materials.
    h. Warranty information for each product.

4. Submittal Sequence: Submit the final Door Hardware Schedule at earliest possible date, particularly where approval of the Door Hardware Schedule must precede fabrication of other work that is critical in the Project construction schedule. Include Product Data, Samples, Shop Drawings of other work affected by door hardware, and other information essential to the coordinated review of the Door Hardware Schedule.

C. Shop Drawings: Details of electrified access control hardware indicating the following:

1. Wiring Diagrams: Upon receipt of approved schedules, submit detailed system wiring diagrams for power, signaling, monitoring, communication, and control of the access control system electrified hardware. Differentiate between manufacturer-installed and field-installed wiring. Include the following:

    a. Elevation diagram of each unique access controlled opening showing location and interconnection of major system components with respect to their placement in the respective door openings.
    b. Complete (risers, point-to-point) access control system block wiring diagrams.
    c. Wiring instructions for each electronic component scheduled herein.

2. Electrical Coordination: Coordinate with related sections the voltages and wiring details required at electrically controlled and operated hardware openings.

D. Keying Schedule: After a keying meeting with the owner has taken place prepare a separate keying schedule detailing final instructions. Submit the keying schedule in electronic format. Include keying system explanation, door numbers, key set symbols, hardware set numbers and special instructions. Owner must approve submitted keying schedule prior to the ordering of permanent cylinders/cores.

E. Informational Submittals:

1. Product Test Reports: Indicating compliance with cycle testing requirements, based on evaluation of comprehensive tests performed by manufacturer and witnessed by a qualified independent testing agency.

F. Operating and Maintenance Manuals: Provide manufacturers operating and maintenance manuals for each item comprising the complete door hardware installation in quantity as required in Division 01, Closeout Procedures.

1.4 QUALITY ASSURANCE

A. Manufacturers Qualifications: Engage qualified manufacturers with a minimum 5 years of documented experience in producing hardware and equipment similar to that indicated for this Project and that have a proven record of successful in-service performance.

B. Certified Products: Where specified, products must maintain a current listing in the Builders Hardware Manufacturers Association (BHMA) Certified Products Directory (CPD).

C. Installer Qualifications: A minimum 3 years documented experience installing both standard and electrified door hardware similar in material, design, and extent to that indicated for this Project and whose work has resulted in construction with a record of successful in-service performance.

D. Door Hardware Supplier Qualifications: Experienced commercial door hardware distributors with a minimum 5 years documented experience supplying both mechanical and electromechanical hardware installations comparable in material, design, and extent to that indicated for this Project. Supplier recognized as a factory direct distributor by the manufacturers of the primary materials with a warehousing facility in Project's vicinity.

Supplier to have on staff a certified Architectural Hardware Consultant (AHC) available during the course of the Work to consult with Contractor, Architect, and Owner concerning both standard and electromechanical door hardware and keying.

E. Automatic Operator Supplier Qualifications: Power operator products and accessories are required to be supplied and installed through the Norton Preferred Installer (NPI) program. Suppliers are to be factory trained, certified, and a direct purchaser of the specified power operators and be responsible for the installation and maintenance of the units and accessories indicated for the Project.

F. Source Limitations: Obtain each type and variety of door hardware specified in this section from a single source unless otherwise indicated.

1. Electrified modifications or enhancements made to a source manufacturer's product line by a secondary or third party source will not be accepted.
2. Provide electromechanical door hardware from the same manufacturer as mechanical door hardware, unless otherwise indicated.

G. Each unit to bear third party permanent label indicating compliance with the referenced testing standards.

H. Keying Conference: Conduct conference to comply with requirements in Division 01 Section "Project Meetings." Keying conference to incorporate the following criteria into the final keying schedule document:

1. Function of building, purpose of each area and degree of security required.
2. Plans for existing and future key system expansion.
3. Requirements for key control storage and software.
4. Installation of permanent keys, cylinder cores and software.
5. Address and requirements for delivery of keys.

I. Pre-Submittal Conference: Conduct coordination conference in compliance with requirements in Division 01 Section "Project Meetings" with attendance by representatives of Supplier(s), Installer(s), and Contractor(s) to review proper methods and the procedures for receiving, handling, and installing door hardware.

1. Prior to installation of door hardware, conduct a project specific training meeting to instruct the installing contractors' personnel on the proper installation and adjustment of their respective products. Product training to be attended by installers of door hardware (including electromechanical hardware) for aluminum, hollow metal and wood doors. Training will include the use of installation manuals, hardware schedules, templates and physical product samples as required.
2. Inspect and discuss electrical roughing-in, power supply connections, and other preparatory work performed by other trades.
3. Review sequence of operation narratives for each unique access controlled opening.
4. Review and finalize construction schedule and verify availability of materials.
5. Review the required inspecting, testing, commissioning, and demonstration procedures

J. At completion of installation, provide written documentation that components were applied according to manufacturer's instructions and recommendations and according to approved schedule.

1.5 DELIVERY, STORAGE, AND HANDLING

A. Inventory door hardware on receipt and provide secure lock-up and shelving for door hardware delivered to Project site. Do not store electronic access control hardware, software or accessories at Project site without prior authorization.

B. Tag each item or package separately with identification related to the final Door Hardware Schedule, and include basic installation instructions with each item or package.

C. Deliver, as applicable, permanent keys, cylinders, cores, access control credentials, software and related accessories directly to Owner via registered mail or overnight package service. Instructions for delivery to the Owner shall be established at the "Keying Conference".

1.6 COORDINATION

A. Templates: Obtain and distribute to the parties involved templates for doors, frames, and other work specified to be factory prepared for installing standard and electrified hardware. Check Shop Drawings of other work to confirm that adequate provisions are made for locating and installing hardware to comply with indicated requirements.

B. Door Hardware and Electrical Connections: Coordinate the layout and installation of scheduled electrified door hardware and related access control equipment with required connections to source power junction boxes, low voltage power supplies, detection and monitoring hardware, and fire and detection alarm systems.

C. Door and Frame Preparation: Doors and corresponding frames are to be prepared, reinforced and pre-wired (if applicable) to receive the installation of the specified electrified, monitoring, signaling and access control system hardware without additional in-field modifications.

1.7 WARRANTY

A. General Warranty: Reference Division 01, General Requirements. Special warranties specified in this Article shall not deprive Owner of other rights Owner may have under other provisions of the Contract Documents and shall be in addition to, and run concurrent with, other warranties made by Contractor under requirements of the Contract Documents.

B. Warranty Period: Written warranty, executed by manufacturer(s), agreeing to repair or replace components of standard and electrified door hardware that fails in materials or workmanship within specified warranty period after final acceptance by the Owner. Failures include, but are not limited to, the following:

1. Structural failures including excessive deflection, cracking, or breakage.
2. Faulty operation of the hardware.
3. Deterioration of metals, metal finishes, and other materials beyond normal weathering.

4. Electrical component defects and failures within the systems operation.

C. Warranty Period: Unless otherwise indicated, warranty shall be one year from date of Substantial Completion.

PART 2 - PRODUCTS

2.1 SCHEDULED DOOR HARDWARE

A. General: Provide door hardware for each door to comply with requirements in Door Hardware Sets and each referenced section that products are to be supplied under.

B. Designations: Requirements for quantity, item, size, finish or color, grade, function, and other distinctive qualities of each type of door hardware are indicated in the Door Hardware Sets at the end of Part 3. Products are identified by using door hardware designations, as follows:

1. Named Manufacturer's Products: Product designation and manufacturer are listed for each door hardware type required for the purpose of establishing requirements. Manufacturers' names are abbreviated in the Door Hardware Schedule.

C. Please note that ASSA ABLOY is transitioning the Yale Commercial brand to ASSA ABLOY ACCENTRA. This affects only the brand name; the products and product numbers will remain unchanged. The brand transition is expected to be complete in or about May of 2024, and products shipping after that time will be branded ASSA ABLOY ACCENTRA.

D. Substitutions: Requests for substitution and product approval for inclusive mechanical and electromechanical door hardware in compliance with the specifications must be submitted in writing and in accordance with the procedures and time frames outlined in Division 01, Substitution Procedures. Approval of requests is at the discretion of the architect, owner, and their designated consultants.

2.2 BUTT HINGES

A. Hinges: ANSI/BHMA A156.1 butt hinges with number of hinge knuckles and other options as specified in the Door Hardware Sets.

1. Quantity: Provide the following hinge quantity:

a. Two Hinges: For doors with heights up to 60 inches.
b. Three Hinges: For doors with heights 61 to 90 inches.
c. Four Hinges: For doors with heights 91 to 120 inches.
d. For doors with heights more than 120 inches, provide 4 hinges, plus 1 hinge for every 30 inches of door height greater than 120 inches.

2. Hinge Size: Provide the following, unless otherwise indicated, with hinge widths sized for door thickness and clearances required:

a. Widths up to 3’0”: 4-1/2” standard or heavy weight as specified.
b. Sizes from 3’1” to 4’0”: 5” standard or heavy weight as specified.

3. Hinge Weight and Base Material: Unless otherwise indicated, provide the following:

    a. Exterior Doors: Heavy weight, non-ferrous, ball bearing or oil impregnated bearing hinges unless Hardware Sets indicate standard weight.
    b. Interior Doors: Standard weight, steel, ball bearing or oil impregnated bearing hinges unless Hardware Sets indicate heavy weight.

4. Hinge Options: Comply with the following:

    a. Non-removable Pins: With the exception of electric through wire hinges, provide set screw in hinge barrel that, when tightened into a groove in hinge pin, prevents removal of pin while door is closed; for the all out-swinging lockable doors.

5. Manufacturers:

    a. Hager Companies (HA) - BB Series, 5-knuckle.
    b. Ives (IV) - 5BB Series, 5-knuckle.
    c. McKinney (MK) - TA/T4A Series, 5-knuckle.

2.3 CONTINUOUS HINGES

A. Continuous Geared Hinges: ANSI/BHMA A156.26 Grade 1-600 continuous geared hinge. with minimum 0.120-inch thick extruded 6063-T6 aluminum alloy hinge leaves and a minimum overall width of 4 inches. Hinges are non-handed, reversible and fabricated to template screw locations. Factory trim hinges to suit door height and prepare for electrical cut-outs.

1. Manufacturers:.

    a. Hager Companies (HA).
    b. Pemko (PE).
    c. Select Hinges (SL).

2.4 POWER TRANSFER DEVICES

A. Electrified Quick Connect Transfer Hinges: Provide electrified transfer hinges with Molex™ standardized plug connectors and sufficient number of concealed wires (up to 12) to accommodate the electrified functions specified in the Door Hardware Sets with a 1-year warranty. Connectors plug directly to through-door wiring harnesses for connection to electric locking devices and power supplies. Wire nut connections are not acceptable.

1. Manufacturers:

    a. Hager Companies (HA) - ETW-QC (# wires) Option.
    b. Ives (IV) - Connect.
    c. McKinney (MK) - QC (# wires) Option.

B. Concealed Quick Connect Electric Power Transfers: Provide concealed wiring pathway housing mortised into the door and frame for low voltage electrified door hardware. Furnish with Molex™ standardized plug connectors and sufficient number of concealed wires (up to 12) to

accommodate the electrified functions specified in the Door Hardware Sets. Connectors plug directly to through-door wiring harnesses for connection to electric locking devices and power supplies. Wire nut connections are not acceptable.

1. Manufacturers:

    a. Pemko (PE) - EL-CEPT Series.
    b. Securitron (SU) - EL-CEPT Series.
    c. Von Duprin (VD) - EPT-10 Series.

C. Electric Door Wire Harnesses: Provide electric/data transfer wiring harnesses with standardized plug connectors to accommodate up to twelve (12) wires. Connectors plug directly to through-door wiring harnesses for connection to electric locking devices and power supplies. Provide sufficient number and type of concealed wires to accommodate electric function of specified hardware. Provide a connector for through-door electronic locking devices and from hinge to junction box above the opening. Wire nut connections are not acceptable. Determine the length required for each electrified hardware component for the door type, size and construction, minimum of two per electrified opening.

1. Provide one each of the following tools as part of the base bid contract:

    a. McKinney (MK) - Electrical Connecting Kit: QC-R001.
    b. McKinney (MK) - Connector Hand Tool: QC-R003.

2. Manufacturers:

    a. Hager Companies (HA) - Quick Connect.
    b. McKinney (MK) - QC-C Series.
    c. Von Duprin (VD) - Connect.

2.5 DOOR OPERATING TRIM

A. Flush Bolts and Surface Bolts: Provide products conforming to ANSI/BHMA A156.3 and A156.16, Grade 1.

1. Flush bolts to be furnished with top rod of sufficient length to allow bolt retraction device location approximately six feet from the floor.
2. Furnish dust proof strikes for bottom bolts.
3. Surface bolts to be minimum 8” in length and U.L. listed for labeled fire doors and U.L. listed for windstorm components where applicable.
4. Provide related accessories (mounting brackets, strikes, coordinators, etc.) as required for appropriate installation and operation.
5. Manufacturers:

    a. Burns Manufacturing (BU).
    b. Rockwood (RO).
    c. Trimco (TC).

B. Door Push Plates and Pulls: ANSI/BHMA A156.6 door pushes and pull units of type and design specified in the Hardware Sets. Coordinate and provide proper width and height as required where conflicting hardware dictates.

1. Push/Pull Plates: Minimum .050 inch thick, size as indicated in hardware sets, with beveled edges, secured with exposed screws unless otherwise indicated.
2. Door Pull and Push Bar Design: Size, shape, and material as indicated in the hardware sets. Minimum clearance of 2 1/2-inches from face of door unless otherwise indicated.
3. Offset Pull Design: Size, shape, and material as indicated in the hardware sets. Minimum clearance of 2 1/2-inches from face of door and offset of 90 degrees unless otherwise indicated.
4. Pulls, where applicable, shall be provided with a 10” clearance from the finished floor on the push side to accommodate wheelchair accessibility.
5. Fasteners: Provide manufacturer's designated fastener type as indicated in Hardware Sets.
6. Manufacturers:

a. Burns Manufacturing (BU).
b. Rockwood (RO).
c. Trimco (TC).

2.6 CYLINDERS AND KEYING

A. General: Cylinder manufacturer to have minimum (10) years experience designing secured master key systems and have on record a published security keying system policy.

1. Manufacturers:

a. Match Existing Marshall Best System, Field Verify.

B. Cylinder Types: Original manufacturer cylinders able to supply the following cylinder formats and types:

1. Threaded mortise cylinders with rings and cams to suit hardware application.
2. Rim cylinders with back plate, flat-type vertical or horizontal tailpiece, and raised trim ring.
3. Bored or cylindrical lock cylinders with tailpieces as required to suit locks.
4. Tubular deadlocks and other auxiliary locks.
5. Mortise and rim cylinder collars to be solid and recessed to allow the cylinder face to be flush and be free spinning with matching finishes.
6. Keyway: Match Facility Restricted Keyway.

C. Small Format Interchangeable Cores: Provide small format interchangeable cores (SFIC) as specified, core insert, removable by use of a special key; usable with other manufacturers' cylinders.

D. Keying System: Each type of lock and cylinders to be factory keyed.

1. Supplier shall conduct a "Keying Conference" to define and document keying system instructions and requirements.

2. Furnish factory cut, nickel-silver large bow permanently inscribed with a visual key control number as directed by Owner.
3. Existing System: Field verify and key cylinders to match Owner's existing system.

E. Key Quantity: Provide the following minimum number of keys:

1. Change Keys per Cylinder: Two (2)
2. Master Keys (per Master Key Level/Group): Five (5).
3. Construction Keys (where required): Ten (10).
4. Construction Control Keys (where required): Two (2).
5. Permanent Control Keys (where required): Two (2).

F. Construction Keying: Provide construction master keyed cylinders.

G. Construction Keying: Provide temporary keyed construction cores.

H. Key Registration List (Bitting List):

1. Provide keying transcript list to Owner's representative in the proper format for importing into key control software.
2. Provide transcript list in writing or electronic file as directed by the Owner.

2.7 KEY CONTROL

A. Key Control Software: Provide software that offers solutions for master key system design and management, key, key ring, and item issuance, cylinder and core pinning, personal records and inventories and building, door, and floor plans. Software shall come with the option for additional services that provide custom data integration, on-site and virtual training, consulting, technical support, and custom development.

1. Key Control: System shall manage all master key systems, keys, key rings, key holders and key requests. It shall provide total key control showing outstanding keys, overdue keys (with automatic notifications), key symbols, bittings, keyways, etc. and the ability to include all systems (multiple key manufacturers supported) and buildings in one database.
2. Master Keying: Software shall provide a comprehensive master key system generator compatible with multiplex systems (key sections, keyways, angles) along with a core pinning calculator. Master keying feature shall have automatic configurable key numbering and connection with key cutting machines.
3. Facility Management: Software shall reference every building, floor, and door of your facilities while identifying the operating keys of every door and generate control reports.
4. Available options shall include.

    a. Web Interface: Web portal option for key requests and approvals. Web users shall have restricted access, according to their privileges.
    b. Mobile Application for Key Deliveries: Display the list of keys issued, key policy, and capture the signature in the field.

5. Manufacturers:

    a. Medeco (MC) - Simple K.

B. Key Control Cabinet: Provide a key control system including envelopes, labels, and tags with self-locking key clips, receipt forms, 3-way visible card index, temporary markers, permanent markers, and standard metal cabinet. Key control cabinet shall have expansion capacity of 150% of the number of locks required for the project.

1. Manufacturers:

    a. Lund Equipment (LU).
    b. MMF Industries (MM).
    c. Telkee (TK).

P. Electronic Key Management System: Provide an electronic key control system with Stand-alone Plug and Play features including advanced RFID technology. Touchscreen interface with PIN access for keys individually locked in place. Minimum 1,000 system users and 21 iFobs for locking receptors. System shall have a minimum 250,000 audit events screen displayed or ability to be exported via USB port.

1. Manufacturers:

    a. Medeco (MC).

2.8 MORTISE LOCKS AND LATCHING DEVICES

A. Mortise Locksets, Grade 1 (Commercial Duty): Provide ANSI/BHMA A156.13, Series 1000, Operational Grade 1 Certified Products Directory (CPD) listed mortise locksets. Listed manufacturers shall meet all functions and features as specified herein. Listed manufacturers shall meet all functions and features as specified herein.

1. Provide locksets with functions and features as follows:

    a. Heavy duty 12-gauge wrought steel case.
    b. Stainless steel 3/4" one-piece latchbolt with a steel 1” projection deadbolt assembly with a hardened steel insert.
    c. Where required by code, provide knurling or abrasive coating on all levers leading to hazardous areas.
    d. Meets UL and CUL Standard 10C Positive Pressure, Fire Test of Door Assemblies with levers that meet A117.1 Accessibility Code.
    e. Latchbolt retraction with only 30 degrees of lever rotation.
    f. Five-year limited warranty for mechanical functions.

2. Electromechanical locksets shall have the following functions and features:

    a. Universal Molex plug-in connectors that have standardized color-coded wiring and are available in fail safe or fail secure and operate from 12vdc to 24vdc regulated.

b. EcoFlex or equivalent technology that reduces energy consumption up to 96% as certified by GreenCircle.
c. Two-year limited warranty on electrified functions.

3. Manufacturers:

a. Marshall Best (MB) – R Series.
b. No Substitutions.

2.9 AUXILIARY LOCKS

A. Mortise Deadlocks, Large Case: ANSI/BHMA A156.13 Grade 1 Certified Products Directory (CPD) listed large case mortise type deadlocks constructed of heavy gauge wrought corrosion resistant steel. One piece stainless steel bolts with a 1" throw. Deadlocks to be products of the same source manufacturer and keyway as other locksets.

1. Manufacturers:

a. Marshall Best (MB) – R Series.
b. No Substitutions.

2.10 LOCK AND LATCH STRIKES

A. Strikes: Provide manufacturer's standard strike with strike box for each latch or lock bolt, with curved lip extended to protect frame, finished to match door hardware set, unless otherwise indicated, and as follows:

1. Flat-Lip Strikes: For locks with three-piece antifriction latchbolts, as recommended by manufacturer.
2. Extra-Long-Lip Strikes: For locks used on frames with applied wood casing trim.
3. Aluminum-Frame Strike Box: Provide manufacturer's special strike box fabricated for aluminum framing.
4. Double-lipped strikes: For locks at double acting doors. Furnish with retractable stop for rescue hardware applications.

B. Standards: Comply with the following:

1. Strikes for Mortise Locks and Latches: BHMA A156.13.
2. Strikes for Bored Locks and Latches: BHMA A156.2.
3. Strikes for Auxiliary Deadlocks: BHMA A156.36.
4. Dustproof Strikes: BHMA A156.16.

2.11 ELECTROMAGNETIC LOCKING DEVICES

A. Surface Electromagnetic Locks (Heavy Duty): Electromagnetic locks to be surface mounted type conforming to ANSI A156.23, Grade 2 with minimum holding force strength of 1,200 pounds. Locks to be capable of accepting between 12 to 24 volts direct current and be UL listed for use on fire rated door assemblies. Electromagnetic coils are to consume no more than 1.5W during normal operation. Locks are to have an integrated door position switch, tamper switch,

and lock bond sensor. Locks are to have integrated motion sensor and/or security camera as indicated in the hardware sets. Locks to be capable of detecting door prop conditions and entering low power mode. Provide mounting accessories as needed to suit opening conditions. Power supply to be by the same manufacturer as the lock with combined products having a lifetime replacement warranty.

1. Manufacturers:

    a. Securitron (SU) - M680E Series.

2.12 CONVENTIONAL EXIT DEVICES

A. General Requirements: All exit devices specified herein shall meet or exceed the following criteria:

1. Exit devices shall have a five-year warranty.
2. At doors not requiring a fire rating, provide devices complying with NFPA 101 and listed and labeled for "Panic Hardware" according to UL305. Provide proper fasteners as required by manufacturer including sex nuts and bolts at openings specified in the Hardware Sets.
3. Where exit devices are required on fire rated doors, provide devices complying with NFPA 80 and with UL labeling indicating "Fire Exit Hardware". Provide devices with the proper fasteners for installation as tested and listed by UL. Consult manufacturer’s catalog and template book for specific requirements.
4. Except on fire rated doors, provide exit devices with hex key dogging device to hold the pushbar and latch in a retracted position. Provide optional keyed cylinder dogging on devices where specified in Hardware Sets.
5. Devices must fit flat against the door face with no gap that permits unauthorized dogging of the push bar. The addition of filler strips is required in any case where the door light extends behind the device as in a full glass configuration.
6. Flush End Caps: Provide flush end caps made of architectural metal in the same finish as the devices as in the Hardware Sets. Plastic end caps will not be acceptable.
7. Lever Operating Trim: Where exit devices require lever trim, furnish manufacturer's heavy duty escutcheon trim with threaded studs for thru-bolts.

    a. Lock Trim Design: As indicated in Hardware Sets, provide finishes and designs to match that of the specified locksets.
    b. Where function of exit device requires a cylinder, provide a cylinder (Rim or Mortise) as specified in Hardware Sets.

8. Vertical Rod Exit Devices: Where surface or concealed vertical rod exit devices are used at interior openings, provide as less bottom rod (LBR) unless otherwise indicated. Provide dust proof strikes where thermal pins are required to project into the floor.
9. Narrow Stile Applications: At doors constructed with narrow stiles, or as specified in Hardware Sets, provide devices designed for maximum 2” wide stiles.
10. Dummy Push Bar: Nonfunctioning push bar matching functional push bar.
11. Rail Sizing: Provide exit device rails factory sized for proper door width application.
12. Through Bolt Installation: For exit devices and trim as indicated in Door Hardware Sets.

B. Conventional Push Rail Exit Devices (Heavy Duty): ANSI/BHMA A156.3, Grade 1 Certified Products Directory (CPD) listed exit devices. Listed manufacturers shall meet all functions and features as specified herein.

1. Provide exit devices with functions and features as follows:

a. Where required by code, provide knurling or abrasive coating on all levers leading to hazardous areas.
b. Meets UL and CUL Standard 10C Positive Pressure, Fire Test of Door Assemblies with levers that meet A117.1 Accessibility Code.
c. Meets Florida Building Code FL2998 and UL Certification Directory ZHEM.R21744 for latching hardware for hurricane requirements.
d. Meets UL Certification Directory ZHLL.R21744 for products used in windstorm rated assemblies.
e. Five-year limited warranty for mechanical features.

2. Electromechanical exit devices shall have the following functions and features:

a. Universal Molex plug-in connectors that have standardized color-coded wiring and are field configurable in fail safe or fail secure and operate from 12vdc to 24vdc regulated.
b. EcoFlex or equivalent technology that reduces energy consumption up to 92% as certified by GreenCircle.
c. Options to be available for request-to-exit or enter signaling, latchbolt and touchbar monitoring.
d. Field configurable electrified trim to fail-safe or fail-secure that operates from 12-24VDC.
e. Five-year limited warranty for electromechanical features.

3. Manufacturers:

a. Von Duprin (VD) - 35A/98 XP Series.
b. No Substitution.

C. Steel Removable Mullions: ANSI/BHMA A156.3 steel removable mullions with options for fire rating, locking, through-wire electrification and hurricane compliance as specified.

1. Provide mullions with functions and features as follows:

a. At openings designed for severe wind load conditions due to hurricanes or tornadoes, provide manufacturer’s certified mullion and accessories to meet applicable state and local windstorm codes.
b. Provide keyed removable feature where specified in the Hardware Sets.
c. Provide stabilizers and mounting brackets as required.
d. Provide electrical quick connection wiring options as specified in the hardware sets.

2. Manufacturers:

a. Same as exit device manufacturer.

2.13 DOOR CLOSERS

A. All door closers specified herein shall meet or exceed the following criteria:

1. General: Door closers to be from one manufacturer, matching in design and style, with the same type door preparations and templates regardless of application or spring size. Closers to be non-handed with full sized covers.
2. Standards: Closers to comply with UL-10C for Positive Pressure Fire Test and be U.L. listed for use of fire rated doors.
3. Size of Units: Comply with manufacturer's written recommendations for sizing of door closers depending on size of door, exposure to weather, and anticipated frequency of use. Where closers are indicated for doors required to be accessible to the Americans with Disabilities Act, provide units complying with ANSI ICC/A117.1.
4. Closer Arms: Provide heavy duty, forged steel closer arms unless otherwise indicated in Hardware Sets.
5. Closers shall not be installed on exterior or corridor side of doors; where possible install closers on door for optimum aesthetics.
6. Closer Accessories: Provide door closer accessories including custom templates, special mounting brackets, spacers and drop plates as required for proper installation. Provide through-bolt and security type fasteners as specified in the hardware sets.

B. Door Closers, Surface Mounted (Heavy Duty): ANSI/BHMA A156.4, Grade 1 Certified Products Directory (CPD) listed surface mounted, heavy duty door closers with complete spring power adjustment, sizes 1 thru 6; and fully operational adjustable according to door size, frequency of use, and opening force. Closers to be rack and pinion type, one piece cast iron or aluminum alloy body construction, with adjustable backcheck and separate non-critical valves for closing sweep and latch speed control. Provide non-handed units standard.

1. Heavy duty surface mounted door closers shall have a 30-year warranty.

2. Manufacturers:

a. Norton Rixson (NO) - 7500 Series.

C. Door Closers, Surface Mounted (Unitrol): ANSI/BHMA A156.4, Grade 1 Certified Products Directory (CPD) listed surface mounted closers with door stop mechanism to absorb dead stop shock on arm and top hinge. Hold-open arms to have a spring loaded mechanism in addition to shock absorber assembly. Arms to be provided with rigid steel main arm and secondary arm lengths proportional to the door width.

1. Manufacturers:

a. Norton Rixson (NO) - Unitrol Series.

2.14 ELECTROMECHANICAL DOOR OPERATORS

A. Electromechanical Door Operators (High Traffic): Provide ANSI/BHMA A156.19 Certified Products Directory (CPD) listed low energy operators that are UL325/991 and UL10C certified

and comply with requirements for the Americans with Disabilities Act (ADA). Operators shall accommodate openings up to 250 pounds and 48" wide.

1. Provide operators with features as follows:

    a. Non-handed with push and pull side mounting.
    b. Activation by push button, hands-free or radio frequency devices.
    c. Adjustable opening force and closing power.
    d. Two-year limited warranty.
    e. Wi-Fi interface.
    f. Mounting backplate to simplify and speed up installation.
    g. Integration with access control systems.

2. Operators shall have the following functionality:

    a. Adjustable Hold Open: Amount of time a door will stay in the full open position after an activation.
    b. Blow Open for Smoke Ventilation: Door opens when signal is received from alarm system allowing air or smoke to flow through opening. Door will stay open until signal from alarm system is stopped.
    c. Emergency Interface Relay: Door closes and ignores any activation input until signal is discontinued.
    d. Infinite Hold Open: Door will hold open at set position until power is turned off.
    e. Latch Assist: At closed position, after an activation, the door is pulled in. After the door has closed, the door is pulled in to assist with latch release/engagement.
    f. Obstruction Detection: Door closes if it hits an obstruction while opening; door will reverse to open position if it hits an obstruction while closing. Door will stop once it hits an obstruction and will rest against the obstruction until removed.
    g. Open Delay: Delays operator opening for locking hardware.
    h. Outside Wall Switch Disable: When contact is closed, outside wall switch is disabled.
    i. Power Assist: Senses the door is being opened manually and applies small amount of power to assist the user in opening the door with force less than 5 lbs. The door opens only as far as it is moved manually, then closes once released.
    j. Power Close: Additional force to assist door closing between 7° and 2°.
    k. Presence Detector Input: Input for external sensor to detect presence at door open or close position only.
    l. Push & Go: As the door is manually opened, the operator "senses" movement and opens door to the full-open position.
    m. Selector Mode Switch: Off disables the signal inputs unless Blow Open is activated, on activates the signal inputs, hold open activates the unit (unless Blow Closed is activated) to the hold open position.
    n. Vestibule Delay: When the wall switch is pressed, first door in vestibule will open. Second door will open once vestibule door delay has expired. Delay is adjustable.
    o. Executive Mode Feature: When the door receives an activation signal it opens and remains open until either a second signal is received, or the door is manually moved in closing direction.

3. Manufacturers:

a. ASSA ABLOY Entrance Systems (BE) - SW200 Series.
b. Norton Rixson (NO) - 6300 Series.

2.15 ARCHITECTURAL TRIM

A. Door Protective Trim

1. General: Door protective trim units to be of type and design as specified below or in the Hardware Sets.
2. Size: Fabricate protection plates (kick, armor, or mop) not more than 2" less than door width (LDW) on stop side of single doors and 1" LDW on stop side of pairs of doors, and not more than 1" less than door width on pull side. Coordinate and provide proper width and height as required where conflicting hardware dictates. Height to be as specified in the Hardware Sets.
3. Where plates are applied to fire rated doors with the top of the plate more than 16" above the bottom of the door, provide plates complying with NFPA 80. Consult manufacturer's catalog and template book for specific requirements for size and applications.
4. Protection Plates: ANSI/BHMA A156.6 protection plates (kick, armor, or mop), fabricated from the following:

    a. Stainless Steel: 300 grade, 050-inch thick.

5. Options and fasteners: Provide manufacturer's designated fastener type as specified in the Hardware Sets. Provide countersunk screw holes.
6. Manufacturers:

    a. Burns Manufacturing (BU).
    b. Rockwood (RO).
    c. Trimco (TC).

2.16 DOOR STOPS AND HOLDERS

A. General: Door stops and holders to be of type and design as specified below or in the Hardware Sets.

B. Door Stops and Bumpers: ANSI/BHMA A156.16, Grade 1 door stops and wall bumpers. Provide wall bumpers, either convex or concave types with anchorage as indicated, unless floor or other types of door stops are specified in Hardware Sets. Do not mount floor stops where they will impede traffic. Where floor or wall bumpers are not appropriate, provide overhead type stops and holders.

1. Manufacturers:

    a. Burns Manufacturing (BU).
    b. Rockwood (RO).
    c. Trimco (TC).

C. Overhead Door Stops and Holders: ANSI/BHMA A156.8, Grade 1 Certified Products Directory (CPD) listed overhead stops and holders to be surface or concealed types as indicated in

Hardware Sets. Track, slide, arm and jamb bracket to be constructed of extruded bronze and shock absorber spring of heavy tempered steel. Provide non-handed design with mounting brackets as required for proper operation and function.

1. Manufacturers:

    a. Norton Rixson (RF).
    b. Rockwood (RO).
    c. Sargent Manufacturing (SA).

2.17 ARCHITECTURAL SEALS

A. General: Thresholds, weatherstripping, and gasket seals to be of type and design as specified below or in the Hardware Sets. Provide continuous weatherstrip gasketing on exterior doors and provide smoke, light, or sound gasketing on interior doors where indicated. At exterior applications provide non-corrosive fasteners and elsewhere where indicated.

B. Smoke Labeled Gasketing: Assemblies complying with NFPA 105 that are listed and labeled by a testing and inspecting agency acceptable to authorities having jurisdiction, for smoke control ratings indicated, based on testing according to UL 1784.

1. Provide smoke labeled perimeter gasketing at all smoke labeled openings.

C. Fire Labeled Gasketing: Assemblies complying with NFPA 80 that are listed and labeled by a testing and inspecting agency acceptable to authorities having jurisdiction, for fire ratings indicated, based on testing according to UL-10C.

1. Provide intumescent seals as indicated to meet UL10C Standard for Positive Pressure Fire Tests of Door Assemblies, and NPFA 252, Standard Methods of Fire Tests of Door Assemblies.

D. Sound-Rated Gasketing: Assemblies that are listed and labeled by a testing and inspecting agency, for sound ratings indicated.

E. Replaceable Seal Strips: Provide only those units where resilient or flexible seal strips are easily replaceable and readily available from stocks maintained by manufacturer.

F. Manufacturers:

1. National Guard Products (NG).
2. Pemko (PE).
3. Zero (ZE).

2.18 ELECTRONIC ACCESSORIES

A. Key Switches: Key switches furnished standard with stainless steel single gang face plate with a 12/24VDC bi-color LED indicator. Integral backing bracket permits integration with any 1 1/4" or 1 1/2" mortise type cylinder. Key switches available as momentary or maintained action and in narrow face plate options.

1. Manufacturers:

    a. Alarm Controls (AK) - MCK Series.
    b. Securitron (SU) - MK Series.

B. Door Position Switches: Door position magnetic reed contact switches specifically designed for use in commercial door applications. On recessed models the contact and magnetic housing snap-lock into a 1" diameter hole. Surface mounted models include wide gap distance design complete with armored flex cabling. Provide SPDT, N/O switches with optional Rare Earth Magnet installation on steel doors with flush top channels.

1. Manufacturers:

    a. Sargent Manufacturing (SA) - 3280 Series.
    b. Securitron (SU) - DPS Series.

C. Wiegand Test Unit: Test unit verifies proper Wiegand output integrated card reader lock installation in the field by testing for proper wiring, card reader data integrity, and lock functionality including lock/unlock, door position, and request-to-exit status. 12 or 24VDC voltage adjustable operating as Fail Safe or Fail Secure.

1. Manufacturers:

    a. Corbin Russwin Hardware (RU) - WT2 Wiegand Test Unit.
    b. Sargent Manufacturing (SA) - WT2 Wiegand Test Unit.

D. Switching Power Supplies: Provide power supplies with either single or dual voltage configurations at 12 or 24VDC. Power supplies shall have battery backup function with an integrated battery charging circuit and shall provide capability for power distribution, direct lock control and Fire Alarm Interface (FAI) through add on modules. Power supplies shall be expandable up to 16 individually protected outputs. Output modules shall provide individually protected, continuous outputs and/or individually protected, relay controlled outputs.

1. Manufacturers:

    a. Securitron (SU) - AQD Series.
    b. Altronix (AS) - Maximal 3.

2.19 FABRICATION

A. Fasteners: Provide door hardware manufactured to comply with published templates generally prepared for machine, wood, and sheet metal screws. Provide screws according to manufacturers recognized installation standards for application intended.

2.20 FINISHES

A. Standard: Designations used in the Hardware Sets and elsewhere indicate hardware finishes complying with ANSI/BHMA A156.18, including coordination with traditional U.S. finishes indicated by certain manufacturers for their products.

B. Provide quality of finish, including thickness of plating or coating (if any), composition, hardness, and other qualities complying with manufacturer's standards, but in no case less than specified by referenced standards for the applicable units of hardware

C. Protect mechanical finishes on exposed surfaces from damage by applying a strippable, temporary protective covering before shipping.

PART 3 - EXECUTION

3.1 EXAMINATION

A. Examine scheduled openings, with Installer present, for compliance with requirements for installation tolerances, labeled fire door assembly construction, wall and floor construction, and other conditions affecting performance.

B. Notify architect of any discrepancies or conflicts between the door schedule, door types, drawings and scheduled hardware. Proceed only after such discrepancies or conflicts have been resolved in writing.

3.2 PREPARATION

A. Hollow Metal Doors and Frames: Comply with ANSI/DHI A115 series.

B. Wood Doors: Comply with ANSI/DHI A115-W series.

3.3 INSTALLATION

A. Install each item of mechanical and electromechanical hardware and access control equipment to comply with manufacturer's written instructions and according to specifications.

1. Installers are to be trained and certified by the manufacturer on the proper installation and adjustment of fire, life safety, and security products including: hanging devices; locking devices; closing devices; and seals.

B. Mounting Heights: Mount door hardware units at heights indicated in following applicable publications, unless specifically indicated or required to comply with governing regulations:

1. Standard Steel Doors and Frames: DHI's "Recommended Locations for Architectural Hardware for Standard Steel Doors and Frames."
2. DHI TDH-007-20: Installation Guide for Doors and Hardware.
3. Where indicated to comply with accessibility requirements, comply with ANSI A117.1 "Accessibility Guidelines for Buildings and Facilities."
4. Provide blocking in drywall partitions where wall stops or other wall mounted hardware is located.

C. Power Operator products and accessories are required to be installed through current members of the manufacturer's "Power Operator Preferred Installer" program.

D. Retrofitting: Install door hardware to comply with manufacturer's published templates and written instructions. Where cutting and fitting are required to install door hardware onto or into surfaces that are later to be painted or finished in another way, coordinate removal, storage, and reinstallation of surface protective trim units with finishing work specified in Division 9 Sections. Do not install surface-mounted items until finishes have been completed on substrates involved.

E. Thresholds: Set thresholds for exterior and acoustical doors in full bed of sealant complying with requirements specified in Division 7 Section "Joint Sealants."

F. Storage: Provide a secure lock up for hardware delivered to the project but not yet installed. Control the handling and installation of hardware items so that the completion of the work will not be delayed by hardware losses before and after installation.

3.4 ADJUSTING

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

3.5 CLEANING AND PROTECTION

A. Protect all hardware stored on construction site in a covered and dry place. Protect exposed hardware installed on doors during the construction phase. Install any and all hardware at the latest possible time frame.

B. Clean adjacent surfaces soiled by door hardware installation.

C. Clean operating items as necessary to restore proper finish. Provide final protection and maintain conditions that ensure door hardware is without damage or deterioration at time of owner occupancy.

3.6 DEMONSTRATION

A. Instruct Owner's maintenance personnel to adjust, operate, and maintain mechanical and electromechanical door hardware.

3.7 DOOR HARDWARE SETS

A. The hardware sets represent the design intent and direction of the owner and architect. They are a guideline only and should not be considered a detailed hardware schedule. Discrepancies, conflicting hardware and missing items should be brought to the attention of the architect with corrections made prior to the bidding process. Omitted items not included in a hardware set should be scheduled with the appropriate additional hardware required for proper application and functionality.

1. Quantities listed are for each pair of doors, or for each single door.

2. The supplier is responsible for handing and sizing all products.
3. Where multiple options for a piece of hardware are given in a single line item, the supplier shall provide the appropriate application for the opening.

B. Manufacturer's Abbreviations:

1. MK - McKinney
2. PE - Pemko
3. VD - Von Duprin
4. RO - Rockwood
5. OT - Other
6. SU - Securitron
7. RF - Rixson
8. NO - Norton
9. MC - Medeco
10. LU - Lund Equipment Co

Hardware Sets

Set: 1.0

Doors: A101B, A101C

2	Continuous Hinge	CFM_SLF-HD1 PT x Length Required		PE	087100
2	Electric Power Transfer	EPT10	.689	VD	087100
1	Narrow CVR Exit Device (NL, RX, ELR)	.EL .RX 3347A.NLOP .388(Std) (Keyed to Owner's Existing System)	.626	VD	087100
1	Narrow CVR Exit Device (EO, RX, ELR)	.EL .RX 3347A.EO	.626	VD	087100
2	Offset Pull	RM3411-36 Mtg-Type 12XHD	US32-316	RO	087100
2	Surface Closer	UNI7500 (HD PA SPG STP Arm)	689	NO	087100
2	Blade Stop Spacer (as Required)	6891	689	NO	087100
2	Drop Plate	7788	689	NO	087100
1	Gasketing	Provided By Door/Frame Supplier		OT	
2	Sweep	3452CNB x Length Required		PE	087100
1	Threshold	273x224AFGT MSES25SS x Length Required		PE	087100
2	Wire Harness (Door to Power Transfer)	Provided by Security Supplier		MK	087100

2	Wire Harness (Frame to Power/Controller)	Provided by Security Supplier		MK	087100
2	Position Switch	Provided by Security Supplier		SU	087100
1	Power Supply/Controller	Coordinate with Security Supplier			087100
1	Wiring Diagram	Elevation and Point to Point as Specified		OT	

Notes: Perimeter and meeting stile gasket by door / frame manufacturer.
Coordinate all Wiring and conduit with electrical contractor.

Operation:
During Normal Business Hours:
• Exit Device Latches are electronically held (Dogged) to allow Push/Pull operation.
• Manual entry or egress is always available by pushing or pulling either door of the pair.
• The exit devices are fail secure and will latch in the absence of power.
• Door position switches at each leaf will signal the doors OPEN/CLOSED status to the access control panel.

After Normal Business Hours:
• Doors are normally closed and latched.
• Active leaf Exit Device has Nightlatch Function (Key will retract the exit device latch, door is latched when the key is removed).
• Manual egress is always available by pressing either exit device push bar of the pair. Request to Exit Switch in Exit Device push bar will signal an authorized egress to access control and intrusion alarm system.
• The exit device is fail secure and will remain latched in the absence of power.
• Door position switches at each leaf will signal the doors OPEN/CLOSED status to the access control panel.

Set: 2.0

Doors: B116, B135

2	Continuous Hinge	CFM_SLF-HD1 PT x Length Required		PE	087100
2	Electric Power Transfer	EPT10	.689	VD	087100
1	CVR Exit Device (NL, RX, ELR)	.EL .RX 9848.NLOP .110MD-NL (Keyed to Owner's Existing System)	.626	VD	087100
1	CVR Exit Device (EO, RX, ELR)	.EL .RX 9848.EO	.626	VD	087100
2	Offset Pull	RM3411-36 Mtg-Type 12XHD	US32-316	RO	087100
2	Surface Closer	UNI7500 (HD PA SPG STP Arm)	689	NO	087100
2	Blade Stop Spacer (as Required)	6891	689	NO	087100
2	Drop Plate	7788	689	NO	087100
1	Gasketing	Provided By Door/Frame Supplier		OT	
2	Sweep	3452CNB x Length Required		PE	087100

1	Threshold	273x224AFGT MSES25SS x Length Required		PE	087100
1	Card Reader	By Security Supplier			
2	Wire Harness (Door to Power Transfer)	Provided by Security Supplier		MK	087100
2	Wire Harness (Frame to Power/Controller)	Provided by Security Supplier		MK	087100
2	Position Switch	Provided by Security Supplier		SU	087100
1	Power Supply/Controller	Coordinate with Security Supplier			087100
1	Wiring Diagram	Elevation and Point to Point as Specified		OT	

Notes: Perimeter and meeting stile gasket by door / frame manufacturer.
Coordinate all Wiring and conduit with electrical contractor.

Operation:
During Normal Business Hours:
• Exit Device Latches are electronically held (Dogged) to allow Push/Pull operation.
• Manual entry or egress is always available by pushing or pulling either door of the pair.
• The exit devices are fail secure and will latch in the absence of power.
• Door position switches at each leaf will signal the doors OPEN/CLOSED status to the access control panel.

After Normal Business Hours:
• Doors are normally closed and latched.
• Active leaf Exit Device has Nightlatch Function (Key will retract the exit device latch, door is latched when the key is removed).
• When an authorized card read is detected on the secured side of the door the access control system will momentarily retract the exit device latches to allow authorized entry.
• Manual egress is always available by pressing either exit device push bar of the pair. Request to Exit Switch in Exit Device push bar will signal an authorized egress to access control and intrusion alarm system.
• The exit device is fail secure and will remain latched in the absence of power.
• Door position switches at each leaf will signal the doors OPEN/CLOSED status to the access control panel.

Set: 3.0

Doors: A101A

2	Continuous Hinge	CFM_SLF-HD1 PT x Length Required		PE	087100
2	Electric Power Transfer	EPT10	.689	VD	087100
1	Keyed Removable Mullion	KR4954 (Size as Required)	.689	VD	087100
2	Narrow Rim Exit Device (NL, RX, ELR)	.EL .RX 33A.NLOP .388(Std) (Keyed to Owner's Existing System)	.626	VD	087100

2	Narrow Rim Exit Device (EO, RX, ELR)	.EL .RX 33A.EO	.626	VD	087100
2	Offset Pull	RM3411-36 Mtg-Type 12XHD	US32-316	RO	087100
1	Surface Closer	UNI7500 (HD PA SPG STP Arm)	689	NO	087100
1	Blade Stop Spacer (as Required)	6891	689	NO	087100
1	Drop Plate	7788	689	NO	087100
1	Automatic Opener	6310 / 6330 (As Required)	689	NO	087113
2	Sweep	3452CNB x Length Required		PE	087100
1	Threshold	273x224AFGT MSES25SS x Length Required		PE	087100
1	Card Reader	By Security Supplier			
2	Wire Harness (Door to Power Transfer)	Provided by Security Supplier		MK	087100
2	Wire Harness (Frame to Power/Controller)	Provided by Security Supplier		MK	087100
2	Position Switch	Provided by Security Supplier		SU	087100
2	Auto Operator Actuator Switch	505		NO	087100
1	Power Supply/Controller	Coordinate with Security Supplier			087100
1	Wiring Diagram	Elevation and Point to Point as Specified		OT	

Notes: Perimeter and meeting stile gasket by door / frame manufacturer.
Coordinate all Wiring and conduit with electrical contractor.

Operation:
During Normal Business Hours:
• Exit Device Latches are electronically held (Dogged) to allow Push/Pull operation.
• When the actuator button on either side of the opening is pressed the auto operator will open the active leaf door of the pair.
• Manual entry or egress is always available by pushing or pulling either door of the pair.
• The exit devices are fail secure and will latch in the absence of power.
• Door position switches at each leaf will signal the doors OPEN/CLOSED status to the access control panel.

After Normal Business Hours:
• Doors are normally closed and latched.
• Active leaf Exit Device has Nightlatch Function (Key will retract the exit device latch, door is latched when the key is removed).
• When an authorized card read is detected on the secured side of the door the access control system will momentarily retract the exit device latch and activate the auto operator actuator button on the secured side of the opening.
• When the actuator button on the secure is pressed (after the authorized card read) the auto operator will open the active leaf door of the pair.
• Egress can be achieve at any time by pushing the actuator button on the unsecured side of the opening to

retract the exit device latch on the active leaf and activating the auto operator to open the door.
• Manual egress is always available by pressing either exit device push bar of the pair. Request to Exit Switch in Exit Device push bar will signal an authorized egress to access control and intrusion alarm system.
• The exit device is fail secure and will latch in the absence of power.
• Door position switches at each leaf will signal the doors OPEN/CLOSED status to the access control panel.

Set: 4.0

Doors: B101A

2	Continuous Hinge	CFM_SLF-HD1 PT x Length Required		PE	087100
2	Electric Power Transfer	EPT10	.689	VD	087100
1	Narrow Rim Exit Device (NL, RX, ELR)	.EL .RX 33A.NLOP .388(Std) (Keyed to Owner's Existing System)	.626	VD	087100
1	Narrow Rim Exit Device (EO, RX, ELR)	.EL .RX 33A.EO	.626	VD	087100
2	Offset Pull	RM3411-36 Mtg-Type 12XHD	US32-316	RO	087100
1	Surface Closer	UNI7500 (HD PA SPG STP Arm)	689	NO	087100
1	Blade Stop Spacer (as Required)	6891	689	NO	087100
1	Drop Plate	7788	689	NO	087100
1	Automatic Opener	6310 / 6330 (As Required)	689	NO	087113
2	Sweep	3452CNB x Length Required		PE	087100
2	Threshold	273x224AFGT MSES25SS x Length Required		PE	087100
1	Card Reader	By Security Supplier			
2	Wire Harness (Door to Power Transfer)	Provided by Security Supplier		MK	087100
2	Wire Harness (Frame to Power/Controller)	Provided by Security Supplier		MK	087100
2	Position Switch	Provided by Security Supplier		SU	087100
2	Auto Operator Actuator Switch	505		NO	087100
1	Power Supply/Controller	Coordinate with Security Supplier			087100
1	Wiring Diagram	Elevation and Point to Point as Specified		OT	

Notes: Fixed Frame Mullion by Frame Manufacturer
Perimeter and meeting stile gasket by door / frame manufacturer.
Coordinate all Wiring and conduit with electrical contractor.

Operation:

During Normal Business Hours:
• Exit Device Latches are electronically held (Dogged) to allow Push/Pull operation.
• When the actuator button on either side of the opening is pressed the auto operator will open the active leaf door of the pair.
• Manual entry or egress is always available by pushing or pulling either door of the pair.
• The exit devices are fail secure and will latch in the absence of power.
• Door position switches at each leaf will signal the doors OPEN/CLOSED status to the access control panel.

After Normal Business Hours:
• Doors are normally closed and latched.
• Active leaf Exit Device has Nightlatch Function (Key will retract the exit device latch, door is latched when the key is removed).
• When an authorized card read is detected on the secured side of the door the access control system will momentarily retract the exit device latch and activate the auto operator actuator button on the secured side of the opening.
• When the actuator button on the secure is pressed (after the authorized card read) the auto operator will open the active leaf door of the pair.
• Egress can be achieve at any time by pushing the actuator button on the unsecured side of the opening to retract the exit device latch on the active leaf and activating the auto operator to open the door.
• Manual egress is always available by pressing either exit device push bar of the pair. Request to Exit Switch in Exit Device push bar will signal an authorized egress to access control and intrusion alarm system.
• The exit device is fail secure and will latch in the absence of power.
• Door position switches at each leaf will signal the doors OPEN/CLOSED status to the access control panel.

Set: 5.0

Doors: A120A, A120B, A126, B144A, B144B, B150

2	Continuous Hinge	CFM_SLF-HD1 PT x Length Required		PE	087100
2	Electric Power Transfer	EPT10	.689	VD	087100
2	Narrow Rim Exit Device (EO, RX)	.RX 33A.EO	.626	VD	087100
2	Surface Closer	UNI7500 (HD PA SPG STP Arm)	689	NO	087100
2	Blade Stop Spacer (as Required)	6891	689	NO	087100
2	Drop Plate	7788	689	NO	087100
1	Gasketing	Provided By Door/Frame Supplier		OT	
2	Sweep	3452CNB x Length Required		PE	087100
2	Threshold	273x224AFGT MSES25SS x Length Required		PE	087100
1	Wire Harness (Door to Power Transfer)	Provided by Security Supplier		MK	087100
1	Wire Harness (Frame to Power/Controller)	Provided by Security Supplier		MK	087100

1	Position Switch	Provided by Security Supplier		SU	087100
1	Wiring Diagram	Elevation and Point to Point as Specified		OT	

Notes: Fixed Frame Mullion by Frame Manufacturer
Perimeter and meeting stile gasket by door / frame manufacturer.
Coordinate all Wiring and conduit with electrical contractor.

Operation:
• Exit Device Latches are exit only, no exterior hardware or access.
• Manual egress is always available by pressing either exit device push bar of the pair. Request to Exit Switch in Exit Device push bar will signal an authorized egress to access control and intrusion alarm system.
• Door position switches at each leaf will signal the doors OPEN/CLOSED status to the access control panel.

Set: 6.0

Doors: B125B

1	Continuous Hinge	CFM_SLF-HD1 PT x Length Required		PE	087100
1	Electric Power Transfer	EPT10	.689	VD	087100
1	Narrow Rim Exit Device (NL, RX, ELR)	.EL .RX 33A.NLOP .388(Std) (Keyed to Owner's Existing System)	.626	VD	087100
1	Offset Pull	RM3411-36 Mtg-Type 12XHD	US32-316	RO	087100
1	Surface Closer	UNI7500 (HD PA SPG STP Arm)	689	NO	087100
1	Blade Stop Spacer (as Required)	6891	689	NO	087100
1	Drop Plate	7788	689	NO	087100
1	Gasketing	Provided By Door/Frame Supplier		OT	
1	Sweep	3452CNB x Length Required		PE	087100
1	Threshold	273x224AFGT MSES25SS x Length Required		PE	087100
1	Card Reader	By Security Supplier			
1	Wire Harness (Door to Power Transfer)	Provided by Security Supplier		MK	087100
1	Wire Harness (Frame to Power/Controller)	Provided by Security Supplier		MK	087100
1	Position Switch	Provided by Security Supplier		SU	087100
1	Power Supply/Controller	Coordinate with Security Supplier			087100
1	Wiring Diagram	Elevation and Point to Point as Specified		OT	

Notes: Perimeter and meeting stile gasket by door / frame manufacturer.
Coordinate all Wiring and conduit with electrical contractor.

Operation:
• Door is normally closed and latched.
• Exit Device has Nightlatch Function (Key will retract the exit device latch, door is latched when the key is removed).
• When an authorized card read is detected on the secured side of the door the access control system will momentarily retract the exit device latch to allow authorized entry.
• Manual egress is always available by pressing either exit device push bar of the pair. Request to Exit Switch in Exit Device push bar will signal an authorized egress to access control and intrusion alarm system.
• The exit device is fail secure and will latch in the absence of power.
• Door position switch will signal the doors OPEN/CLOSED status to the access control panel.

Set: 7.0

Doors: A116D

1	Continuous Hinge	CFM_SLF-HD1 PT x Length Required		PE	087100
1	Electric Power Transfer	EPT10	.689	VD	087100
1	Storeroom	MBS RSC-07 I (Handing as Required - Keyed to Owners Existing System)	630	OT	
1	Electric Strike	1600 Series (Provided by Security Supplier)	630		087100
1	Surface Closer (Tri-Pack)	7500SS (RA or PA Mount as Required)	689	NO	087100
1	Blade Stop Spacer (as Required)	6891	689	NO	087100
1	Drop Plate	7788	689	NO	087100
1	Kick Plate	K1050 10" high CSK BEV	US32D	RO	087100
1	Wall Stop	403 (or) 441CU (As Required)	US26D	RO	087100
1	Gasketing	Provided By Door/Frame Supplier		OT	
1	Sweep	3452CNB x Length Required		PE	087100
1	Threshold	2009APK MSES25SS x Length Required		PE	087100
1	Card Reader	By Security Supplier			
1	Wire Harness (Frame to Power/Controller)	Provided by Security Supplier		MK	087100
1	Position Switch	Provided by Security Supplier		SU	087100
1	Power Supply/Controller	Coordinate with Security Supplier			087100
1	Wiring Diagram	Elevation and Point to Point as Specified		OT	

Notes: Perimeter gasket by door / frame manufacturer.

Coordinate all Wiring and conduit with electrical contractor.

Operation Description:
• The door is normally closed and secure.
• When a proper credential is presented to the Card Reader (by Others) the power supply will momentarily release the electric strike to allow entry.
• Egress from the unsecured side is always available by turning the lever on the lockset. Latch monitor switch will signal an authorized egress to access control.
• Door Position Switch will monitor the doors OPEN/CLOSED status.
• Key on secured side will retract latch to allow entry.
• Electric Strike is Fail Secure and will remain locked in the event of a fire emergency or power outage.

Set: 8.0

Doors: A123B, B151

1	Continuous Hinge	CFM_SLF-HD1 PT x Length Required		PE	087100
1	Electric Power Transfer	EPT10	.689	VD	087100
1	Storeroom	MBS RSC-07 I (Handing as Required - Keyed to Owners Existing System)	630	OT	
1	Electric Strike	1600 Series (Provided by Security Supplier)	630		087100
1	Surface Closer	UNI7500 (HD PA SPG STP Arm)	689	NO	087100
1	Blade Stop Spacer (as Required)	6891	689	NO	087100
1	Drop Plate	7788	689	NO	087100
1	Kick Plate	K1050 10" high CSK BEV	US32D	RO	087100
1	Gasketing	Provided By Door/Frame Supplier		OT	
1	Sweep	3452CNB x Length Required		PE	087100
1	Threshold	2009APK MSES25SS x Length Required		PE	087100
1	Card Reader	By Security Supplier			
1	Wire Harness (Frame to Power/Controller)	Provided by Security Supplier		MK	087100
1	Position Switch	Provided by Security Supplier		SU	087100
1	Power Supply/Controller	Coordinate with Security Supplier			087100
1	Wiring Diagram	Elevation and Point to Point as Specified		OT	

Notes: Perimeter gasket by door / frame manufacturer.
Coordinate all Wiring and conduit with electrical contractor.

Operation Description:
• The door is normally closed and secure.
• When a proper credential is presented to the Card Reader (by Others) the power supply will

momentarily release the electric strike to allow entry.
• Egress from the unsecured side is always available by turning the lever on the lockset. Latch monitor switch will signal an authorized egress to access control.
• Door Position Switch will monitor the doors OPEN/CLOSED status.
• Key on secured side will retract latch to allow entry.
• Electric Strike is Fail Secure and will remain locked in the event of a fire emergency or power outage.

Set: 9.0

Doors: A123A

1	Continuous Hinge	CFM_SLF-HD1 x Length Required		PE	087100
1	Continuous Hinge	CFM_SLF-HD1 PT x Length Required		PE	087100
1	Electric Power Transfer	EPT10	.689	VD	087100
1	Self Latching Flush Bolt Set	2845 / 2945 (as required)	US26D	RO	087100
1	Dust Proof Strike	570	US26D	RO	087100
1	Fail Secure Electrified Lock	MBS RES-5931 I (Handing as Required - Keyed to Owner's Existing System)	630	OT	
2	Blade Stop Spacer (as Required)	6891	689	NO	087100
2	Drop Plate	7788	689	NO	087100
2	Surface Closer	CLP7500 (HD PA STP Arm)	689	NO	087100
2	Kick Plate	K1050 10" high CSK BEV	US32D	RO	087100
1	Gasketing	Provided By Door/Frame Supplier		OT	
2	Sweep	3452CNB x Length Required		PE	087100
1	Threshold	2009APK MSES25SS x Length Required		PE	087100
1	Card Reader	By Security Supplier			
1	Wire Harness (Door to Power Transfer)	Provided by Security Supplier		MK	087100
1	Wire Harness (Frame to Power/Controller)	Provided by Security Supplier		MK	087100
2	Position Switch	Provided by Security Supplier		SU	087100
1	Power Supply/Controller	Coordinate with Security Supplier			087100
1	Wiring Diagram	Elevation and Point to Point as Specified		OT	

Notes: Perimeter and meeting stile gasket by door / frame manufacturer.
Coordinate all Wiring and conduit with electrical contractor.

Operation Description:
• The door is normally closed and secure.
• When a proper credential is presented to the Card Reader (by Others) the power supply will

momentarily release the Electrified Lockset Lever to allow entry.
• Egress from the unsecured side is always available by turning the lever on the lockset. Request to Exit Switch integrated in Lockset will signal and authorized egress to the access control and intrusion alarm system.
• Door Position Switch will monitor the doors OPEN/CLOSED status.
• Key on secured side will retract latch to allow entry.
• Electrified lockset is Fail Secure and will remain locked in the event of a fire emergency or power outage.

Set: 10.0

Doors: A113B, A114B

1	Continuous Hinge	CFM_SLF-HD1 x Length Required		PE	087100
1	Rim Exit Device (EO, CD)	.CD 98 EO (Cyl. Dogging)	.626	VD	087100
1	Cylinder	Type as Required (Keyed to Owner's Existing System)	626		087100
1	Offset Door Pull	BF158 HD Thru-Bolt Mount	US32D-MS	RO	087100
1	Surface Closer	UNI7500 (HD PA SPG STP Arm)	689	NO	087100
1	Blade Stop Spacer (as Required)	6891	689	NO	087100
1	Drop Plate	7788	689	NO	087100
1	Kick Plate	K1050 10" high CSK BEV	US32D	RO	087100
1	Gasketing	Provided By Door/Frame Supplier		OT	
1	Sweep	3452CNB x Length Required		PE	087100
1	Threshold	273x224AFGT MSES25SS x Length Required		PE	087100
1	Position Switch	Provided by Security Supplier		SU	087100

Notes: Perimeter and meeting stile gasket by door / frame manufacturer.

Operation Description:
• The door is normally closed and secure. Key in Cylinder in the exit device push bar will hold the exit latch in the retracted position (Dogged) to allow push pull operation when required.
• Door Position Switch will monitor the doors OPEN/CLOSED status.

Set: 11.0

Doors: A124, A125

1	Continuous Hinge	CFM_SLF-HD1 x Length Required		PE	087100
1	Storeroom	MBS RSC-07 I (Handing as Required - Keyed to Owners Existing System)	630	OT	
1	Blade Stop Spacer (as Required)	6891	689	NO	087100
1	Drop Plate	7788	689	NO	087100

1	Surface Closer	CLP7500 (HD PA STP Arm)	689	NO	087100
1	Kick Plate	K1050 10" high CSK BEV	US32D	RO	087100
1	Gasketing	Provided By Door/Frame Supplier		OT	
1	Sweep	3452CNB x Length Required		PE	087100
1	Threshold	2009APK MSES25SS x Length Required		PE	087100

Notes: Perimeter gasket by door / frame manufacturer.

Set: 12.0

Doors: A120C, B202

2	Continuous Hinge	CFM_SLF-HD1 x Length Required		PE	087100
2	CVR Exit Device (CLRM)	9848.L .996L(Std)	.626	VD	087100
2	Surface Closer (Tri-Pack)	7500SS (RA or PA Mount as Required)	689	NO	087100
2	Blade Stop Spacer (as Required)	6891	689	NO	087100
2	Drop Plate	7788	689	NO	087100
2	Kick Plate	K1050 10" high CSK BEV	US32D	RO	087100
2	Wall Stop	403 (or) 441CU (As Required)	US26D	RO	087100
1	Gasketing	Provided By Door/Frame Supplier		OT	
2	Sweep	3452CNB x Length Required		PE	087100
1	Threshold	2009APK MSES25SS x Length Required		PE	087100
1	Position Switch	Provided by Security Supplier		SU	087100

Notes: Perimeter and meeting stile gasket by door / frame manufacturer.

Operation Description:
• Door Position Switches will monitor the doors OPEN/CLOSED status to access control.

Set: 13.0

Doors: A310C, A310D

2	Continuous Hinge	CFM_SLF-HD1 x Length Required		PE	087100
2	Narrow CVR Exit Device (CLRM)	3347A.L .360L	.626	VD	087100
2	Blade Stop Spacer (as Required)	6891	689	NO	087100
2	Drop Plate	7788	689	NO	087100
2	Surface Closer	CLP7500 (HD PA STP Arm)	689	NO	087100
1	Gasketing	Provided By Door/Frame Supplier		OT	
2	Position Switch	Provided by Security Supplier		SU	087100

Notes: Perimeter and meeting stile gasket by door / frame manufacturer.

Operation Description:
• Door Position Switches will monitor the doors OPEN/CLOSED status to access control.

Set: 13.1

Doors: A310B

2	Continuous Hinge	CFM_SLF-HD1 PT x Length Required		PE	087100
2	Electric Power Transfer	EPT10	.689	VD	087100
2	Narrow CVR Exit Device (NL, RX, ELR)	.EL .RX 3347A.NLOP .388(Std) (Keyed to Owner's Existing System)	.626	VD	087100
2	Narrow CVR Exit Device (EO, RX)	.RX 3347A.EO	.626	VD	087100
2	Offset Pull	RM3411-36 Mtg-Type 12XHD	US32-316	RO	087100
2	Surface Closer	UNI7500 (HD PA SPG STP Arm)	689	NO	087100
2	Blade Stop Spacer (as Required)	6891	689	NO	087100
2	Drop Plate	7788	689	NO	087100
1	Gasketing	Provided By Door/Frame Supplier		OT	
1	Card Reader	By Security Supplier			
2	Wire Harness (Door to Power Transfer)	Provided by Security Supplier		MK	087100
2	Wire Harness (Frame to Power/Controller)	Provided by Security Supplier		MK	087100
2	Position Switch	Provided by Security Supplier		SU	087100
1	Power Supply/Controller	Coordinate with Security Supplier			087100
1	Wiring Diagram	Elevation and Point to Point as Specified		OT	

Notes: Perimeter and meeting stile gasket by door / frame manufacturer.
Coordinate all Wiring and conduit with electrical contractor.

Operation:
• Doors are normally closed and latched.
• Active leaf Exit Device has Nightlatch Function (Key will retract the exit device latch, door is latched when the key is removed).
• When an authorized card read is detected on the secured side of the door the access control system will momentarily retract the exit device latch at the active leaf to allow authorized entry.
• Manual egress is always available by pressing either exit device push bar of the pair. Request to Exit Switch in Exit Device push bar will signal an authorized egress to access control and intrusion alarm system.
• The exit device is fail secure and will remain latched in the absence of power.

• Door position switches at each leaf will signal the doors OPEN/CLOSED status to the access control panel.

Set: 14.0

Doors: A310A

2	Continuous Hinge	CFM_SLF-HD1 x Length Required		PE	087100
2	CVR Exit Device (CLRM)	9848.L .996L(Std)	.626	VD	087100
1	Surf Overhead Stop	10-X36 (Size as Required)	630	RF	087100
2	Surface Closer (Tri-Pack)	7500SS (RA or PA Mount as Required)	689	NO	087100
2	Blade Stop Spacer (as Required)	6891	689	NO	087100
2	Drop Plate	7788	689	NO	087100
2	Kick Plate	K1050 10" high CSK BEV	US32D	RO	087100
1	Wall Stop	403 (or) 441CU (As Required)	US26D	RO	087100
1	Gasketing	Provided By Door/Frame Supplier		OT	
2	Position Switch	Provided by Security Supplier		SU	087100

Notes: Perimeter and meeting stile gasket by door / frame manufacturer.

Operation Description:
• Door Position Switches will monitor the doors OPEN/CLOSED status to access control.

Set: 15.0

Doors: A101E, A101F

2	Continuous Hinge	CFM_SLF-HD1 x Length Required		PE	087100
2	Offset Pull	RM3411-36 Mtg-Type 12XHD	US32-316	RO	087100
2	Push Bar	RM3212 Mtg-Type 12XHD	US32	RO	087100
2	Blade Stop Spacer (as Required)	6891	689	NO	087100
2	Drop Plate	7788	689	NO	087100
2	Surface Closer	CLP7500 (HD PA STP Arm)	689	NO	087100
1	Gasketing	Provided By Door/Frame Supplier		OT	

Notes: Perimeter and meeting stile gasket by door / frame manufacturer.

Set: 16.0

Doors: A101D

2	Continuous Hinge	CFM_SLF-HD1 x Length Required		PE	087100

2	Offset Pull	RM3411-36 Mtg-Type 12XHD	US32-316	RO	087100
2	Push Bar	RM3212 Mtg-Type 12XHD	US32	RO	087100
1	Blade Stop Spacer (as Required)	6891	689	NO	087100
1	Drop Plate	7788	689	NO	087100
1	Surface Closer	CLP7500 (HD PA STP Arm)	689	NO	087100
1	Automatic Opener	6310 / 6330 (As Required)	689	NO	087113
1	Gasketing	Provided By Door/Frame Supplier		OT	
2	Auto Operator Actuator Switch	505		NO	087100

Notes: Perimeter and meeting stile gasket by door / frame manufacturer.

Operation:
• Doors are normally closed. Push / Pull Function - No Latching.
• When the Auto operator actuator button on either side of the opening is pressed the auto operator will open the active leaf door of the pair for assisted egress or entry.

Set: 17.0

Doors: A110, A118A

4	Hinge, Full Mortise, Hvy Wt	T4A3386 (NRP & Sizze as Required)	US32D	MK	087100
2	Hinge, Full Mortise, Hvy Wt (PWr TRNS)	T4A3386 QCx (# of Wires & Size as Required)	US32D	MK	087100
1	SVR Exit Device (STRM, LBR, RX, ELR)	.EL .RX 9827.LNL .LBR .996L-NL	.626	VD	087100
1	SVR Exit Device (EO, LBR, RX, ELR)	.EL .RX 9827.EO .LBR .996EO	.626	VD	087100
2	Surface Closer (Tri-Pack)	7500SS (RA or PA Mount as Required)	689	NO	087100
2	Kick Plate	K1050 10" high CSK BEV	US32D	RO	087100
2	Wall Stop	403 (or) 441CU (As Required)	US26D	RO	087100
2	Silencer	608		RO	087100
1	Card Reader	By Security Supplier			
2	Wire Harness (Door to Power Transfer)	Provided by Security Supplier		MK	087100
2	Wire Harness (Frame to Power/Controller)	Provided by Security Supplier		MK	087100
2	Position Switch	Provided by Security Supplier		SU	087100
1	Power Supply/Controller	Coordinate with Security Supplier			087100
1	Wiring Diagram	Elevation and Point to Point as Specified		OT	

Notes: Coordinate all Wiring and conduit with electrical contractor.

Operation:
During Normal Business Hours:
• Exit Device Latches are electronically held (Dogged) to allow Push/Pull operation.
• Manual entry or egress is always available by pushing or pulling either door of the pair.
• The exit devices are fail secure and will latch in the absence of power.
• Door position switches at each leaf will signal the doors OPEN/CLOSED status to the access control panel.

After Normal Business Hours:
• Doors are normally closed and latched.
• Active leaf Exit Device has Storeroom Function (Key will retract the exit device latch, door is latched when the key is removed).
• When an authorized card read is detected on the secured side of the door the access control system will momentarily retract the exit device latches to allow authorized entry.
• Manual egress is always available by pressing either exit device push bar of the pair. Request to Exit Switch in Exit Device push bar will signal an authorized egress to access control and intrusion alarm system.
• The exit devices are fail secure and will remain latched in the absence of power.
• Door position switches at each leaf will signal the doors OPEN/CLOSED status to the access control panel.
• Exit Devices are Fail Secure and will remain locked/Latched in the event of a fire emergency or power outage.

Set: 18.0

Doors: A204, B204

2	Continuous Hinge	CFM_SLF-HD1 PT x Length Required		PE	087100
2	Electric Power Transfer	EPT10	.689	VD	087100
1	SVR Exit Device (EL Trim-Fail Sec., LBR, RX)	.RX 9827.L .LBR .E .996L(Std)	.626	VD	087100
1	SVR Exit Device (EO, LBR, RX)	.RX 9827.EO .LBR	.626	VD	087100
1	Surf Overhead Stop	10-X36 (Size as Required)	630	RF	087100
2	Surface Closer (Tri-Pack)	7500SS (RA or PA Mount as Required)	689	NO	087100
2	Blade Stop Spacer (as Required)	6891	689	NO	087100
2	Drop Plate	7788	689	NO	087100
2	Kick Plate	K1050 10" high CSK BEV	US32D	RO	087100
1	Wall Stop	403 (or) 441CU (As Required)	US26D	RO	087100
1	Gasketing	Provided By Door/Frame Supplier		OT	
1	Card Reader	By Security Supplier			
2	Wire Harness (Door to Power Transfer)	Provided by Security Supplier		MK	087100

2	Wire Harness (Frame to Power/Controller)	Provided by Security Supplier		MK	087100
2	Position Switch	Provided by Security Supplier		SU	087100
1	Power Supply/Controller	Coordinate with Security Supplier			087100
1	Wiring Diagram	Elevation and Point to Point as Specified		OT	

Notes: Sound Gasket and Threshold to meet required STC Rating Provided by Door/Frame Manufacturer. Coordinate all Wiring and conduit with electrical contractor.

Operation:
• Doors are normally closed and latched.
• Active leaf Exit Device has Storeroom Function (Key will retract the exit device latch, door is latched when the key is removed).
• When an authorized card read is detected on the secured side of the door the access control system will momentarily release the exit trim lever to allow authorized entry.
• Manual egress is always available by pressing either exit device push bar of the pair. Request to Exit Switch in Exit Device push bar will signal an authorized egress to access control and intrusion alarm system.
• The exit device trim is fail secure and will remain locked in the absence of power.
• Door position switches at each leaf will signal the doors OPEN/CLOSED status to the access control panel.

Set: 19.0

Doors: A309, B203, B303

2	Continuous Hinge	CFM_SLF-HD1 PT x Length Required		PE	087100
2	Electric Power Transfer	EPT10	.689	VD	087100
1	SVR Exit Device (EL Trim-Fail Sec., LBR, RX)	.RX 9827.L .LBR .E .996L(Std)	.626	VD	087100
1	SVR Exit Device (EO, LBR, RX)	.RX 9827.EO .LBR	.626	VD	087100
1	Surf Overhead Stop	10-X36 (Size as Required)	630	RF	087100
2	Surface Closer (Tri-Pack)	7500SS (RA or PA Mount as Required)	689	NO	087100
2	Kick Plate	K1050 10" high CSK BEV	US32D	RO	087100
1	Wall Stop	403 (or) 441CU (As Required)	US26D	RO	087100
1	Gasketing	Provided By Door/Frame Supplier		OT	
1	Card Reader	By Security Supplier			
2	Wire Harness (Door to Power Transfer)	Provided by Security Supplier		MK	087100
2	Wire Harness (Frame to Power/Controller)	Provided by Security Supplier		MK	087100
2	Position Switch	Provided by Security Supplier		SU	087100

1 Power Supply/Controller	Coordinate with Security Supplier			087100
1 Wiring Diagram	Elevation and Point to Point as Specified		OT	

Notes: Perimeter and meeting stile gasket by door / frame manufacturer.
Coordinate all Wiring and conduit with electrical contractor.

Operation:
• Doors are normally closed and latched.
• Active leaf Exit Device has Storeroom Function (Key will retract the exit device latch, door is latched when the key is removed).
• When an authorized card read is detected on the secured side of the door the access control system will momentarily release the exit trim lever to allow authorized entry.
• Manual egress is always available by pressing either exit device push bar of the pair. Request to Exit Switch in Exit Device push bar will signal an authorized egress to access control and intrusion alarm system.
• The exit device trim is fail secure and will remain locked in the absence of power.
• Door position switches at each leaf will signal the doors OPEN/CLOSED status to the access control panel.

Set: 20.0

Doors: A106, B108

3 Hinge, Full Mortise, Hvy Wt	T4A3386 (NRP & Sizze as Required)	US32D	MK	087100
1 Rim Exit Device (STRM)	98.LNL .996L-NL	.626	VD	087100
1 Surface Closer	CLP7500 (HD PA STP Arm)	689	NO	087100
1 Kick Plate	K1050 10" high CSK BEV	US32D	RO	087100
1 Perimeter Gasketing	S88BL (Head & Jambs)		PE	087100

Set: 21.0

Doors: B101B

6 Hinge, Full Mortise, Hvy Wt	T4A3386 (NRP & Sizze as Required)	US32D	MK	087100
2 CVR Exit Device (CLRM)	9848.L .996L(Std)	.626	VD	087100
2 Surface Closer (Tri-Pack)	7500SS (RA or PA Mount as Required)	689	NO	087100
2 Kick Plate	K1050 10" high CSK BEV	US32D	RO	087100
2 Wall Stop	403 (or) 441CU (As Required)	US26D	RO	087100
2 Silencer	608		RO	087100

Set: 22.0

Doors: B143B

5	Hinge, Full Mortise, Hvy Wt	T4A3386 (NRP & Sizze as Required)	US32D	MK	087100
1	Hinge, Full Mortise, Hvy Wt (PWr TRNS)	T4A3386 QCx (# of Wires & Size as Required)	US32D	MK	087100
1	Self Latching Flush Bolt Set	2845 / 2945 (as required)	US26D	RO	087100
1	Dust Proof Strike	570	US26D	RO	087100
1	Fail Secure Electrified Lock	MBS RES-5931 I (Handing as Required - Keyed to Owner's Existing System)	630	OT	
2	Surf Overhead Stop	10-X36 (Size as Required)	630	RF	087100
2	Surface Closer (Tri-Pack)	7500SS (RA or PA Mount as Required)	689	NO	087100
2	Kick Plate	K1050 10" high CSK BEV	US32D	RO	087100
2	Silencer	608		RO	087100
1	Card Reader	By Security Supplier			
1	Wire Harness (Door to Power Transfer)	Provided by Security Supplier		MK	087100
1	Wire Harness (Frame to Power/Controller)	Provided by Security Supplier		MK	087100
2	Position Switch	Provided by Security Supplier		SU	087100
1	Power Supply/Controller	Coordinate with Security Supplier			087100
1	Wiring Diagram	Elevation and Point to Point as Specified		OT	

Notes: Coordinate all Wiring and conduit with electrical contractor.

Operation Description:
• The door is normally closed and secure.
• When a proper credential is presented to the Card Reader (by Others) the power supply will momentarily release the Electrified Lockset Lever to allow entry.
• Egress from the unsecured side is always available by turning the lever on the lockset. Request to Exit Switch integrated in Lockset will signal and authorized egress to the access control and intrusion alarm system.
• Door Position Switch will monitor the doors OPEN/CLOSED status.
• Key on secured side will retract latch to allow entry.
• Electrified lockset is Fail Secure and will remain locked in the event of a fire emergency or power outage.

Set: 23.0

Doors: A108, B115

3	Hinge, Full Mortise, Hvy Wt	T4A3386 (NRP & Sizze as Required)	US32D	MK	087100
1	Storeroom	MBS RSC-07 I (Handing as Required - Keyed to Owners Existing System)	630	OT	
1	Electric Strike	1600 Series (Provided by Security Supplier)	630		087100
1	Surface Closer	CLP7500 (HD PA STP Arm)	689	NO	087100
1	Kick Plate	K1050 10" high CSK BEV	US32D	RO	087100
3	Silencer	608		RO	087100
1	Card Reader	By Security Supplier			
1	Wire Harness (Frame to Power/Controller)	Provided by Security Supplier		MK	087100
1	Position Switch	Provided by Security Supplier		SU	087100
1	Power Supply/Controller	Coordinate with Security Supplier			087100
1	Wiring Diagram	Elevation and Point to Point as Specified		OT	

Notes: Coordinate all Wiring and conduit with electrical contractor.

Operation Description:
• The door is normally closed and secure.
• When a proper credential is presented to the Card Reader (by Others) the power supply will momentarily release the electric strike to allow entry.
• Egress from the unsecured side is always available by turning the lever on the lockset. Latch monitor switch will signal an authorized egress to access control.
• Door Position Switch will monitor the doors OPEN/CLOSED status.
• Key on secured side will retract latch to allow entry.
• Electric Strike is Fail Secure and will remain locked in the event of a fire emergency or power outage.

Set: 23.1

Doors: A116B

3	Hinge, Full Mortise, Hvy Wt	T4A3386 (NRP & Sizze as Required)	US32D	MK	087100
1	Storeroom	MBS RSC-07 I (Handing as Required - Keyed to Owners Existing System)	630	OT	
1	Electric Strike	1600 Series (Provided by Security Supplier)	630		087100
1	Surf Overhead Stop	10-X36 (Size as Required)	630	RF	087100
1	Surface Closer (Tri-Pack)	7500SS (RA or PA Mount as Required)	689	NO	087100
1	Kick Plate	K1050 10" high CSK BEV	US32D	RO	087100

3	Silencer	608		RO	087100
1	Card Reader	By Security Supplier			
1	Wire Harness (Frame to Power/Controller)	Provided by Security Supplier		MK	087100
1	Position Switch	Provided by Security Supplier		SU	087100
1	Power Supply/Controller	Coordinate with Security Supplier			087100
1	Wiring Diagram	Elevation and Point to Point as Specified		OT	

Notes: Coordinate all Wiring and conduit with electrical contractor.

Operation Description:
• The door is normally closed and secure.
• When a proper credential is presented to the Card Reader (by Others) the power supply will momentarily release the electric strike to allow entry.
• Egress from the unsecured side is always available by turning the lever on the lockset. Latch monitor switch will signal an authorized egress to access control.
• Door Position Switch will monitor the doors OPEN/CLOSED status.
• Key on secured side will retract latch to allow entry.
• Electric Strike is Fail Secure and will remain locked in the event of a fire emergency or power outage.

Set: 24.0

Doors: A119

6	Hinge, Full Mortise, Hvy Wt	T4A3386 (NRP & Sizze as Required)	US32D	MK	087100
1	Self Latching Flush Bolt Set	2845 / 2945 (as required)	US26D	RO	087100
1	Dust Proof Strike	570	US26D	RO	087100
1	Storeroom	MBS RSC-07 I (Handing as Required - Keyed to Owners Existing System)	630	OT	
2	Surface Closer	CLP7500 (HD PA STP Arm)	689	NO	087100
2	Kick Plate	K1050 10" high CSK BEV	US32D	RO	087100
2	Wall Stop	403 (or) 441CU (As Required)	US26D	RO	087100
2	Silencer	608		RO	087100

Set: 25.0

Doors: B143A

6	Hinge, Full Mortise, Hvy Wt	T4A3386 (NRP & Sizze as Required)	US32D	MK	087100
1	Self Latching Flush Bolt Set	2845 / 2945 (as required)	US26D	RO	087100
1	Dust Proof Strike	570	US26D	RO	087100
1	Storeroom	MBS RSC-07 I (Handing as Required - Keyed to Owners Existing System)	630	OT	

2	Surf Overhead Stop	10-X36 (Size as Required)	630	RF	087100
2	Surface Closer (Tri-Pack)	7500SS (RA or PA Mount as Required)	689	NO	087100
2	Kick Plate	K1050 10" high CSK BEV	US32D	RO	087100
1	Perimeter Gasketing	S88BL (Head & Jambs)		PE	087100
1	Position Switch	Provided by Security Supplier		SU	087100

Notes: Operation Description:
• Door Position Switches will monitor the doors OPEN/CLOSED status to access control.

Set: 26.0

Doors: A308

3	Hinge, Full Mortise, Hvy Wt	T4A3386 (NRP & Sizze as Required)	US32D	MK	087100
1	Storeroom	MBS RSC-07 I (Handing as Required - Keyed to Owners Existing System)	630	OT	
1	Surface Closer (Tri-Pack)	7500SS (RA or PA Mount as Required)	689	NO	087100
1	Kick Plate	K1050 10" high CSK BEV	US32D	RO	087100
1	Wall Stop	403 (or) 441CU (As Required)	US26D	RO	087100
3	Silencer	608		RO	087100

Set: 27.0

Doors: A105, A107, A307B

3	Hinge, Full Mortise, Hvy Wt	T4A3386 (NRP & Sizze as Required)	US32D	MK	087100
1	Storeroom	MBS RSC-07 I (Handing as Required - Keyed to Owners Existing System)	630	OT	
1	Surface Closer	CLP7500 (HD PA STP Arm)	689	NO	087100
1	Kick Plate	K1050 10" high CSK BEV	US32D	RO	087100
3	Silencer	608		RO	087100

Set: 28.0

Doors: A112

3	Hinge, Full Mortise, Hvy Wt	T4A3386 (NRP & Sizze as Required)	US32D	MK	087100
1	Storeroom	MBS RSC-07 I (Handing as Required - Keyed to Owners Existing System)	630	OT	
1	Surf Overhead Stop	10-X36 (Size as Required)	630	RF	087100
1	Surface Closer (Tri-Pack)	7500SS (RA or PA Mount as Required)	689	NO	087100

1	Kick Plate	K1050 10" high CSK BEV	US32D	RO	087100
3	Silencer	608		RO	087100

Set: 29.0

NOT USED

3	Hinge, Full Mortise, Hvy Wt	T4A3386 (NRP & Sizze as Required)	US32D	MK	087100
1	Storeroom	MBS RSC-07 I (Handing as Required - Keyed to Owners Existing System)	630	OT	
1	Surf Overhead Stop	10-X36 (Size as Required)	630	RF	087100
1	Surface Closer (Tri-Pack)	7500SS (RA or PA Mount as Required)	689	NO	087100
1	Kick Plate	K1050 10" high CSK BEV	US32D	RO	087100
3	Silencer	608		RO	087100
1	Position Switch	Provided by Security Supplier		SU	087100

Notes: Operation Description:
• Door Position Switches will monitor the doors OPEN/CLOSED status to access control.

Set: 30.0

Doors: B110, B113, B120, B127, B133, B139

3	Hinge, Full Mortise, Hvy Wt	T4A3386 (NRP & Sizze as Required)	US32D	MK	087100
1	Office	MBS RSC-04 I (Handing as Required - Keyed to Owner's Existing System)	630	OT	
1	Wall Stop	403 (or) 441CU (As Required)	US26D	RO	087100
1	Silencer	608		RO	087100

Set: 31.0

Doors: A111, B104, B107, B125A, B147

3	Hinge, Full Mortise, Hvy Wt	T4A3386 (NRP & Sizze as Required)	US32D	MK	087100
1	Office	MBS RSC-04 I (Handing as Required - Keyed to Owner's Existing System)	630	OT	
1	Surface Closer (Tri-Pack)	7500SS (RA or PA Mount as Required)	689	NO	087100
1	Kick Plate	K1050 10" high CSK BEV	US32D	RO	087100
1	Wall Stop	403 (or) 441CU (As Required)	US26D	RO	087100
3	Silencer	608		RO	087100

Set: 32.0

Doors: B121

1	Continuous Hinge	CFM_SLF-HD1 x Length Required		PE	087100
1	Office	MBS RSC-04 I (Handing as Required - Keyed to Owner's Existing System)	630	OT	
1	Surface Closer (Tri-Pack)	7500SS (RA or PA Mount as Required)	689	NO	087100
1	Kick Plate	K1050 10" high CSK BEV	US32D	RO	087100
1	Wall Stop	403 (or) 441CU (As Required)	US26D	RO	087100
3	Silencer	608		RO	087100

Set: 33.0

Doors: A118B

1	Continuous Hinge	CFM_SLF-HD1 x Length Required		PE	087100
1	Classroom	MBS RSC-05 I (Handing as Required - Keyed to Owner's Existing System)	630	OT	
1	Surface Closer (Tri-Pack)	7500SS (RA or PA Mount as Required)	689	NO	087100
1	Kick Plate	K1050 10" high CSK BEV	US32D	RO	087100
1	Wall Stop	403 (or) 441CU (As Required)	US26D	RO	087100
3	Silencer	608		RO	087100
1	Position Switch	Provided by Security Supplier		SU	087100

Notes: Operation Description:
• Door Position Switches will monitor the doors OPEN/CLOSED status to access control.

Set: 34.0

Doors: B128, B134, B140

3	Hinge, Full Mortise, Hvy Wt	T4A3386 (NRP & Sizze as Required)	US32D	MK	087100
1	Privacy (w/OCC IND)	MBS RSC-02 I (Handing as Required)	630	OT	
1	Kick Plate	K1050 10" high CSK BEV	US32D	RO	087100
1	Wall Stop	403 (or) 441CU (As Required)	US26D	RO	087100
1	Silencer	608		RO	087100
1	Coat Hook	RM801	US26D	RO	087100

Set: 35.0

Doors: B105

3	Hinge, Full Mortise, Hvy Wt	T4A3386 (NRP & Sizze as Required)	US32D	MK	087100
1	Privacy (w/OCC IND)	MBS RSC-02 I (Handing as Required)	630	OT	
1	Surf Overhead Stop	10-X36 (Size as Required)	630	RF	087100
1	Kick Plate	K1050 10" high CSK BEV	US32D	RO	087100
1	Silencer	608		RO	087100
1	Coat Hook	RM801	US26D	RO	087100

Set: 36.0

Doors: A304, B148, B149

3	Hinge, Full Mortise, Hvy Wt	T4A3386 (NRP & Sizze as Required)	US32D	MK	087100
1	Privacy (w/OCC IND)	MBS RSC-02 I (Handing as Required)	630	OT	
1	Surface Closer (Tri-Pack)	7500SS (RA or PA Mount as Required)	689	NO	087100
1	Kick Plate	K1050 10" high CSK BEV	US32D	RO	087100
1	Wall Stop	403 (or) 441CU (As Required)	US26D	RO	087100
3	Silencer	608		RO	087100
1	Coat Hook	RM801	US26D	RO	087100

Set: 37.0

Doors: B123, B137

1	Continuous Hinge	CFM_SLF-HD1 x Length Required		PE	087100
1	Privacy (w/OCC IND)	MBS RSC-02 I (Handing as Required)	630	OT	
1	Surface Closer (Tri-Pack)	7500SS (RA or PA Mount as Required)	689	NO	087100
1	Kick Plate	K1050 10" high CSK BEV	US32D	RO	087100
1	Wall Stop	403 (or) 441CU (As Required)	US26D	RO	087100
3	Silencer	608		RO	087100
1	Coat Hook	RM801	US26D	RO	087100

Set: 38.0

Doors: B109B, B112B, B117B, B129B, B130B, B142B

3	Hinge, Full Mortise, Hvy Wt	T4A3386 (NRP & Sizze as Required)	US32D	MK	087100

1	Offset Door Pull	BF158 HD Thru-Bolt Mount	US32D-MS	RO	087100
1	Push Plate	70C-RKW	US32D-MS	RO	087100
1	Surface Closer (Tri-Pack)	7500SS (RA or PA Mount as Required)	689	NO	087100
1	Kick Plate	K1050 10" high CSK BEV	US32D	RO	087100
1	Wall Stop	403 (or) 441CU (As Required)	US26D	RO	087100
3	Silencer	608		RO	087100

Set: 39.0

Doors: B118, B124, B131, B138

1	Continuous Hinge	CFM_SLF-HD1 x Length Required		PE	087100
1	Mortised Deadbolt (Classroom)	MBS RX-15 (Keyed to Owner's Existing System)	630	OT	
1	Offset Door Pull	BF158 HD Thru-Bolt Mount	US32D-MS	RO	087100
1	Push Plate	70C-RKW	US32D-MS	RO	087100
1	Surface Closer (Tri-Pack)	7500SS (RA or PA Mount as Required)	689	NO	087100
1	Blade Stop Spacer (as Required)	6891	689	NO	087100
1	Drop Plate	7788	689	NO	087100
1	Kick Plate	K1050 10" high CSK BEV	US32D	RO	087100
1	Wall Stop	403 (or) 441CU (As Required)	US26D	RO	087100
1	Gasketing	Provided By Door/Frame Supplier		OT	
1	Position Switch	Provided by Security Supplier		SU	087100

Notes: Perimeter gasket by door / frame manufacturer.

Operation Description:
• The door has PUSH/PULL Operation with Classroom Function Deadbolt, Deadbolt can only be retracted from the interior.
• Door Position Switch will monitor the doors OPEN/CLOSED status to access control.

Set: 40.0

Doors: A113A, A114A

3	Hinge, Full Mortise, Hvy Wt	T4A3386 (NRP & Sizze as Required)	US32D	MK	087100
1	Mortised Deadbolt (DBL Cyl.)	MBS RX-16 (Keyed to Owner's Existing System)	630	OT	

1	Offset Door Pull	BF158 HD Thru-Bolt Mount	US32D-MS	RO	087100
1	Push Plate	70C-RKW	US32D-MS	RO	087100
1	Surface Closer (Tri-Pack)	7500SS (RA or PA Mount as Required)	689	NO	087100
1	Kick Plate	K1050 10" high CSK BEV	US32D	RO	087100
1	Wall Stop	403 (or) 441CU (As Required)	US26D	RO	087100
3	Silencer	608		RO	087100

Set: 41.0

Doors: B102, B109A, B112A

3	Hinge, Full Mortise, Hvy Wt	T4A3386 (NRP & Sizze as Required)	US32D	MK	087100
1	Magnetic Lock	M680EBD	630	SU	087100
1	Cylinder	Type as Required (Keyed to Owner's Existing System)	626		087100
1	Offset Door Pull	BF158 HD Thru-Bolt Mount	US32D-MS	RO	087100
1	Push Plate	70C-RKW	US32D-MS	RO	087100
1	Surface Closer (Tri-Pack)	7500SS (RA or PA Mount as Required)	689	NO	087100
1	Kick Plate	K1050 10" high CSK BEV	US32D	RO	087100
1	Wall Stop	403 (or) 441CU (As Required)	US26D	RO	087100
3	Silencer	608		RO	087100
1	Wire Harness (Frame to Power/Controller)	Provided by Security Supplier		MK	087100
1	Keyswitch	MKA		SU	087100
1	Power Supply/Controller	Coordinate with Security Supplier			087100
1	Wiring Diagram	Elevation and Point to Point as Specified		OT	

Notes: Door normally closed and unlocked - free ingress and egress at all times.

Lock down activation by Key Switch:
When Keyswitch is turned "ON", the magnetic lock is engaged securing the door prohibiting entry or egress.
When Keyswitch is turned "OFF", the magnetic lock is disengaged allowing entry or egress.
Loss of power, activation of fire alarm, or sprinkler system disengages the magnetic lock allowing free ingress and egress."

Set: 42.0

Doors: A302, A303, B117A, B129A, B130A, B142A

3	Hinge, Full Mortise, Hvy Wt	T4A3386 (NRP & Sizze as Required)	US32D	MK	087100
1	Mortised Deadbolt (Classroom)	MBS RX-15 (Keyed to Owner's Existing System)	630	OT	
1	Offset Door Pull	BF158 HD Thru-Bolt Mount	US32D-MS	RO	087100
1	Push Plate	70C-RKW	US32D-MS	RO	087100
1	Surface Closer (Tri-Pack)	7500SS (RA or PA Mount as Required)	689	NO	087100
1	Kick Plate	K1050 10" high CSK BEV	US32D	RO	087100
1	Wall Stop	403 (or) 441CU (As Required)	US26D	RO	087100
3	Silencer	608		RO	087100

Notes: Operation Description:
• The door has PUSH/PULL Operation with Classroom Function Deadbolt, Deadbolt can only be retracted from the interior.

Set: 43.0

Doors: A116A, A116C, A307A

1	Cylinder	Type as Required (Keyed to Owner's Existing System)	626		087100
1		All Hardware Provided By Door Supplier			

Set: 44.0

Doors: MISC

1	Key Control Software	SIMPLE K		MC	087100
1	Key Management	EA-100117		MC	087100
1	Key Cabinet	1200 Series x Mounting Brackets & Capacity As Required		LU	

END OF SECTION 08 71 00

SECTION 28 31 11 – DIGITAL, ADDRESSABLE FIRE-ALARM SYSTEM

PART 1 - GENERAL

1.1 SUMMARY

A. Section Includes:
1. Manual fire-alarm boxes.
2. System smoke detectors.
3. Heat detectors.
4. Notification appliances.
5. Magnetic door holders.
6. Remote annunciator.
7. Addressable interface device.
8. Digital alarm communicator transmitter.
9. System printer.
10. Fire alarm wire and cable.

1.2 DEFINITIONS

A. LED: Light-emitting diode.

B. NICET: National Institute for Certification in Engineering Technologies.

1.3 SYSTEM DESCRIPTION

A. Noncoded addressable system, with automatic sensitivity control of certain smoke detectors and multiplexed signal transmission, dedicated to fire-alarm service only.

B. This is an extension of the existing system at the high school. The new building will have a NAC panel to initiate the notification devices. FAA, NAC, and initiating circuits will connect to the main fire alarm panel at the high school per plans. System to be programmed to alarm the natatorium building independently.

1.4 PERFORMANCE REQUIREMENTS

1.5 SUBMITTALS

A. Shop Drawings: For fire-alarm system. Include plans, elevations, sections, details, and attachments to other work. Submit simultaneously with Product Data. Include the following as a minimum shop drawing requirement.
1. Submit to authorities having jurisdiction for approval, submittals reviewed and marked “No Exceptions Taken” by Architect.
2. Shop Drawings shall be prepared by persons with the following qualifications:
a. Trained and certified by manufacturer in fire-alarm system design.
b. NICET-certified fire-alarm technician, Level III minimum.
c. Licensed or certified by authorities having jurisdiction.
3. Comply with recommendations in the "Documentation" Section of the "Fundamentals of Fire Alarm Systems" Chapter in NFPA 72.
4. Include voltage drop calculations for notification appliance circuits.
5. Include battery-size calculations.
6. Include performance parameters and installation details for each detector, verifying that each detector is listed for complete range of air velocity, temperature, and humidity possible when air-handling system is operating.
7. Include plans, sections, and elevations of heating, ventilating, and air-conditioning ducts, drawn to scale and coordinating installation of duct smoke detectors and access to them. Show critical dimensions that relate to placement and support of sampling tubes, detector housing, and remote status and alarm indicators. Locate detectors according to manufacturer's written recommendations.

8. Include 1/8-inch scale floor plans to indicate final outlet locations showing address of each addressable device. Show size and route of cable and conduits.
9. Show details of graphic annunciators.
10. Provide written Warranty as follows
    a. The Fire System shall have a 1 year warranty starting for the date of Beneficial Occupancy.
    b. Batteries shall have a full 1-year warranty and a 10-year pro rata warranty starting for the date of Beneficial Occupancy.

B. Quality Assurance/Control Submittals:
1. Product Data: For each type of product indicated.
2. Qualification Data: Provide Certification form, from the manufacturer, that the Installer and Persons preparing Shop Drawings are Qualified by the manufacturer. Submit qualifications simultaneously with Product Data.
3. Seismic Qualification Certificates: For fire-alarm control unit, accessories, and components, from manufacturer.
    a. Basis for Certification: Indicate whether withstand certification is based on actual test of assembled components or on calculation.
    b. Dimensioned Outline Drawings of Equipment Unit: Identify center of gravity and locate and describe mounting and anchorage provisions.
    c. Detailed description of equipment anchorage devices on which the certification is based and their installation requirements.
4. Field quality-control reports.

1.6 CLOSEOUT DOCUMENTS

A. General: Closeout Submittals are to be submitted with O and M Manuals only. Do not submit with other ACTION and INFORMATIONAL Submittals:
1. Operation and Maintenance Data: For fire-alarm systems and components to include in emergency, operation, and maintenance manuals. In addition to items specified in Division 01 Section "Operation and Maintenance Data," include the following:
    a. Comply with the "Records" Section of the "Inspection, Testing and Maintenance" Chapter in NFPA 72.
    b. Provide "Record of Completion Documents" according to NFPA 72 article "Permanent Records" in the "Records" Section of the "Inspection, Testing and Maintenance" Chapter.
    c. Record copy of site-specific software.
    d. Provide "Maintenance, Inspection and Testing Records" according to NFPA 72 article of the same name and include the following:
        1) Frequency of testing of installed components.
        2) Frequency of inspection of installed components.
        3) Requirements and recommendations related to results of maintenance.
        4) Manufacturer's user training manuals.
    e. Manufacturer's required maintenance related to system warranty requirements.
    f. Abbreviated operating instructions for mounting at fire-alarm control unit.
2. Software and Firmware Operational Documentation:
    a. Software operating and upgrade manuals.
    b. Program Software Backup: On magnetic media or compact disk, complete with data files.
    c. Device address list.
    d. Printout of software application and graphic screens.
3. Extra Materials: Receipt for extra materials.

1.7 QUALITY ASSURANCE

A. Installer Qualifications: Personnel shall be trained and certified by manufacturer for installation of units required for this Project.
1. Installation shall be by personnel certified by NICET as fire-alarm Level II technician.
2. Distributors shall also be certified by the manufacturer.

B. Source Limitations for Fire-Alarm System and Components: Obtain fire-alarm system from single source from single manufacturer.

C. Fire Alarm Wire and Cable Surface-Burning Characteristics: As determined by testing identical products according to ASTM E 84 by a qualified testing agency. Identify products with appropriate markings of applicable testing agency.
   1. Flame-Spread Index: 25 or less.
   2. Smoke-Developed Index: 50 or less.

D. Electrical Components, Devices, and Accessories: Listed and labeled as defined in NFPA 70, by a qualified testing agency, and marked for intended location and application.

1.8 PROJECT CONDITIONS

A. Interruption of Existing Fire-Alarm Service: Do not interrupt fire-alarm service to facilities occupied by Owner or others unless permitted under the following conditions and then only after arranging to provide temporary guard service according to requirements indicated:
   1. Notify Construction Manager no fewer than two days in advance of proposed interruption of fire-alarm service.
   2. Do not proceed with interruption of fire-alarm service without Construction Manager's written permission.

1.9 SEQUENCING AND SCHEDULING

A. Existing Fire-Alarm Equipment: Maintain existing equipment fully operational until new equipment has been tested and accepted. As new equipment is installed, label it "NOT IN SERVICE" until it is accepted. Remove labels from new equipment when put into service and label existing fire-alarm equipment "NOT IN SERVICE" until removed from the building.

B. Equipment Removal: After acceptance of new fire-alarm system, remove existing disconnected fire-alarm equipment and wiring.

1.10 SOFTWARE SERVICE AGREEMENT

A. Comply with UL 864.

B. Technical Support: Beginning with Substantial Completion, provide software support for two years.

C. Upgrade Service: Update software to latest version at Project completion. Install and program software upgrades that become available within two years from date of Substantial Completion. Upgrading software shall include operating system. Upgrade shall include new or revised licenses for use of software.
   1. Provide 30 days' notice to Owner to allow scheduling and access to system.

1.11 EXTRA MATERIALS

A. Furnish extra materials that match products installed and that are packaged with protective covering for storage and identified with labels describing contents.
   1. Lamps for Remote Indicating Lamp Units: Quantity equal to 10 percent of amount installed, but no fewer than 1 unit.
   2. Lamps for Strobe Units: Quantity equal to 10 percent of amount installed, but no fewer than 1 unit.
   3. Smoke Detectors, Fire Detectors: Quantity equal to 10 percent of amount of each type installed, but no fewer than 1 unit of each type.
   4. Detector Bases: Quantity equal to 2 percent of amount of each type installed, but no fewer than 1 unit of each type.
   5. Keys and Tools: One extra set for access to locked and tamperproofed components.
   6. Audible and Visual Notification Appliances: One of each type installed.
   7. Fuses: Two of each type installed in the system.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

A. Manufacturers: Subject to compliance with requirements, provide products by one of the following:
Siemens

B. Products of other manufacturers will be considered for acceptance provided they equal or exceed the material requirements and functional qualities of the specified product. The “Substitution Request Form” and complete technical data for evaluation must accompany requests for A/E’s approval. All materials for evaluation must be received by the Project Manager and Specification Department at least 10 days prior to bid due date. Additional approved manufacturers will be issued by Addendum.

2.2 SYSTEMS OPERATIONAL DESCRIPTION

A. Fire-alarm signal initiation shall be by one or more of the following devices and systems:
1. Manual stations.
2. Heat detectors.
3. Smoke detectors.
4. Duct smoke detectors.
5. Automatic sprinkler system water flow.
6. Heat detectors in elevator shaft and pit.
7. Fire-extinguishing system operation, including kitchen hoods.
8. Water flow switches
9. Fire standpipe system.

B. Fire-alarm signal shall initiate the following actions:
1. Continuously operate alarm notification appliances.
2. Identify alarm at fire-alarm control unit and remote annunciators.
3. Transmit an alarm signal to the remote alarm receiving station.
4. Unlock electric door locks in designated egress paths.
5. Release fire and smoke doors held open by magnetic door holders.
6. Activate voice/alarm communication system.
7. Switch designated heating, ventilating, and air-conditioning equipment controls to fire-alarm mode.
8. Close smoke dampers in air ducts of designated air-handling duct systems.
9. Transmit an alarm signal to building management system per air-handling systems zone.
10. Recall elevators to primary or alternate recall floors by designated detectors.
11. Activate elevator shunt-trip circuit breakers by designated detectors.
12. Record events in the system memory.
13. Record events by the system printer.

C. Supervisory signal initiation shall be by one or more of the following devices and actions:
1. Valve supervisory switch.
2. Low-air-pressure switch of a dry-pipe sprinkler system.
3. Elevator shunt-trip supervision.

D. System trouble signal initiation shall be by one or more of the following devices and actions:
1. Open circuits, shorts, and grounds in designated circuits.
2. Opening, tampering with, or removing alarm-initiating and supervisory signal-initiating devices.
3. Loss of primary power at fire-alarm control unit.
4. Ground or a single break in fire-alarm control unit internal circuits.
5. Abnormal ac voltage at fire-alarm control unit.
6. Break in standby battery circuitry.
7. Failure of battery charging.
8. Abnormal position of any switch at fire-alarm control unit or annunciator.
9. Low-air-pressure switch operation on a dry-pipe or preaction sprinkler system.

E. System Trouble and Supervisory Signal Actions: Initiate notification appliance and annunciate at fire-alarm control unit and remote annunciators. Record the event on system printer.

2.3 MANUAL FIRE-ALARM BOXES

A. General Requirements for Manual Fire-Alarm Boxes: Comply with UL 38. Boxes shall be finished in red with molded, raised-letter operating instructions in contrasting color; shall show visible indication of operation; and shall be mounted on recessed outlet box. If indicated as surface mounted, provide manufacturer's surface back box.
   1. Single-action mechanism, pull-lever type; with integral addressable module arranged to communicate manual-station status (normal, alarm, or trouble) to fire-alarm control unit.
   2. Station Reset: Key- or wrench-operated switch.
   3. Indoor Protective Shield: Factory-fabricated clear plastic enclosure hinged at the top to permit lifting for access to initiate an alarm. Lifting the cover actuates an integral battery-powered audible horn intended to discourage false-alarm operation.
   4. Weatherproof Protective Shield: Factory-fabricated clear plastic enclosure hinged at the top to permit lifting for access to initiate an alarm.

2.4 SYSTEM SMOKE DETECTORS

A. General Requirements for System Smoke Detectors:
   1. Comply with UL 268; operating at 24-V dc, nominal.
   2. Detectors shall be four-wire type. If detectors are UL listed with the Fire Alarm Control Panel for power, alarm and trouble using a 2 wire system, then 2 wire detectors may be used.
   3. Base Mounting: Detector and associated electronic components shall be mounted in a twist-lock module that connects to a fixed base. Provide terminals in the fixed base for connection to building wiring.
   4. Self-Restoring: Detectors do not require resetting or readjustment after actuation to restore them to normal operation.
   5. Integral Visual-Indicating Light: LED type indicating detector has operated and power-on status.
   6. Remote Control: Unless otherwise indicated, detectors shall be analog-addressable type, individually monitored at fire-alarm control unit for calibration, sensitivity, and alarm condition and individually adjustable for sensitivity by fire-alarm control unit.
      a. Rate-of-rise temperature characteristic shall be selectable at fire-alarm control unit for 15 or 20 deg F per minute.
      b. Fixed-temperature sensing shall be independent of rate-of-rise sensing and shall be settable at fire-alarm control unit to operate at 135 or 155 deg F .
      c. Provide multiple levels of detection sensitivity for each sensor.

B. Photoelectric Smoke Detectors:
   1. Detector address shall be accessible from fire-alarm control unit and shall be able to identify the detector's location within the system and its sensitivity setting.
   2. An operator at fire-alarm control unit, having the designated access level, shall be able to manually access the following for each detector:
      a. Primary status.
      b. Device type.
      c. Present average value.
      d. Present sensitivity selected.
      e. Sensor range (normal, dirty, etc.).

C. Duct Smoke Detectors: Photoelectric type complying with UL 268A.
   1. Detector address shall be accessible from fire-alarm control unit and shall be able to identify the detector's location within the system and its sensitivity setting.
   2. An operator at fire-alarm control unit, having the designated access level, shall be able to manually access the following for each detector:
      a. Primary status.
      b. Device type.

c. Present average value.
d. Present sensitivity selected.
e. Sensor range (normal, dirty, etc.).

3. Weatherproof Duct Housing Enclosure: NEMA 250, Type 4X; NRTL listed for use with the supplied detector.
4. Each sensor shall have multiple levels of detection sensitivity.
5. Sampling Tubes: Design and dimensions as recommended by manufacturer for specific duct size, air velocity, and installation conditions where applied.

2.5 HEAT DETECTORS

A. General Requirements for Heat Detectors: Comply with UL 521.

B. Heat Detector, Combination Type: Actuated by either a fixed temperature of 135 deg F or a rate of rise that exceeds 15 deg F per minute unless otherwise indicated.
1. Mounting: Twist-lock base interchangeable with smoke-detector bases.
2. Integral Addressable Module: Arranged to communicate detector status (normal, alarm, or trouble) to fire-alarm control unit.

C. Heat Detector, Fixed-Temperature Type: Actuated by temperature that exceeds a fixed temperature of 190 deg F.
1. Mounting: Twist-lock base interchangeable with smoke-detector bases.
2. Integral Addressable Module: Arranged to communicate detector status (normal, alarm, or trouble) to fire-alarm control unit.

2.6 NOTIFICATION APPLIANCES

A. General Requirements for Notification Appliances: Connected to notification appliance signal circuits, zoned as indicated, with screw terminals for system connections, and shall be mounted on recessed outlet box. If indicated as surface mounted, provide manufacturer's surface back box.
1. Combination Devices: Factory-integrated audible and visible devices in a single-mounting assembly, equipped for mounting as indicated and with screw terminals for system connections.

B. Horns: Electric-vibrating-polarized type, 24-V dc; with provision for housing the operating mechanism behind a grille. Comply with UL 464. Horns shall produce a sound-pressure level of 90 dBA, measured 10 feet from the horn, using the coded signal prescribed in UL 464 test protocol.

C. Visible Notification Appliances: Xenon strobe lights comply with UL 1971, with clear or nominal white polycarbonate lens mounted on an aluminum faceplate. The word "FIRE" is engraved in minimum 1-inch- high letters on the lens.
1. Rated Light Output: 110 cd, unless indicated otherwise.
2. Mounting: Wall mounted unless otherwise indicated.
3. For units with guards to prevent physical damage, light output ratings shall be determined with guards in place.
4. Flashing shall be in a temporal pattern, synchronized with other units.
5. Strobe Leads: Factory connected to screw terminals.
6. Mounting Faceplate: Factory finished, red.

D. Weatherproof Bells: Electric-vibrating, 24-V dc, under-dome type; with provision for housing operating mechanism behind bell. Bells shall produce a sound-pressure level of 94 dBA, measured 10 feet from bell. 10-inch size, unless otherwise indicated.

2.7 NOTIFICATION APPLIANCE CIRCUIT POWER SUPPLY UNITS

A. General Requirements for Notification Appliance Circuit Power Supply Unit:
1. Power-limited design, complying with UL 864 and listed and labeled by an NRTL.

B. Notification Appliance Circuits: NFPA 72, Class B, Style Y.
   1. Install no more than 70 percent rated capacity of notification appliances on each notification appliance circuit.

C. Primary Power: 24-V dc obtained from 120-V ac service and a power-supply module. Initiating devices, notification appliances, trouble signals, and supervisory signals shall be powered by 24-V dc source.
   1. Alarm current draw of entire notification appliance circuit power supply unit shall not exceed 80 percent of the power-supply module rating.

D. Secondary Power: 24-V dc supply system with batteries, automatic battery charger, and automatic transfer switch.
   1. Backup Battery: Premium, valve-regulated, recombinant-sealed, lead-calcium battery; spill proof; with a full 1-year warranty and a pro rata 19-year warranty. With single-stage, constant-voltage-current, limited battery charger, comply with battery manufacturer's written instructions for battery terminal voltage and charging current recommendations for maximum battery life.
   2. Backup Power Supply Capacity: Comply with NFPA 72, but not less than 24 hours normal and 30 minutes alarm operation.

2.8 MAGNETIC DOOR HOLDERS

A. Products: Subject to compliance with requirements, provide one of the following products:
   1. Dorma-USA: EM508-24120
   2. Edwards Signaling: 1508-AQN5
   3. GE Security: 1508-AQN5
   4. Honeywell Notifier: FM996
   5. LCN Closers: SEM 7830/ SEM 1960
   6. Rixson Specialty Door Controls: 996/ 991
   7. Sargent Lock: 1560
   8. Siemens: SDH-3

B. Description: Units are equipped for wall mounting complete with matching doorplate.
   1. Electromagnet: Requires no more than 3 W to develop 25-lbf holding force.
   2. Wall-Mounted Units: Surface mounted at least 2.375-inches deep, with maximum 1.625-inch deep pin-pivoted door armature. The use of ball-jointed catches and extension links on door armatures is not permitted.
   3. Rating: 120-V ac.

C. Material and Finish: Brushed or painted aluminum.

2.9 REMOTE ANNUNCIATOR

A. Description: Annunciator functions shall match those of fire-alarm control unit for alarm, supervisory, and trouble indications. Manual switching functions shall match those of fire-alarm control unit, including acknowledging, silencing, resetting, and testing.
   1. Mounting: Flush cabinet, NEMA 250, Type 1.

B. Display Type and Functional Performance: Alphanumeric display and LED indicating lights shall match those of fire-alarm control unit. Provide controls to acknowledge, silence, reset, and test functions for alarm, supervisory, and trouble signals.
   1. Graphic Annunciator:
      a. Backbox: Cold rolled steel with welded and ground seams, finished with black polyester powder coating.
      b. Door: Satin finished stainless steel or brushed aluminum, with concealed piano hinge, secured by a key lock with no other visible fasteners.
      c. Graphic: Reversed printed polycarbonate lexan laminated to aluminum, with full color image, and LEDs indicating alarm, trouble, or supervisory condition, and fire alarm device type. Building detail shall be selected and color-coded as directed by Owner and Architect/Engineer.

d. Provide keyed lamp test switch.
e. Provide "power-on" LED indicator.
f. Wiring: LED and switch wiring shall be neatly harnessed to designated terminal blocks located in annunciator backbox.
g. Install alphanumeric display in face of graphic.
h. Install graphic annunciator adjacent to alphanumeric display.

2.10 ADDRESSABLE INTERFACE DEVICE

A. Description: Microelectronic monitor module, NRTL listed for use in providing a system address for alarm-initiating devices for wired applications with normally open contacts.

B. Integral Relay: Capable of providing a direct signal to the following:
1. Elevator controller to initiate elevator recall.
2. Circuit-breaker shunt trip for power shutdown.
3. Theatrical lighting controller for panic lighting.
4. Heating, ventilating, and air-conditioning equipment controllers for power shutdown.
5. Smoke dampers for closing.
6. Magnetic door holders, electric locks, coiling doors and grilles for releasing.
7. Building management system for equipment shutdown and alarm notification.
8. Gas and fuel solenoid valves for emergency shut-off.

C. Voltage Sensing Relay: Capable of detecting presence of 120 V ac for supervision of control power for shunt-trip circuit breakers.

2.11 DIGITAL ALARM COMMUNICATOR TRANSMITTER

A. Digital alarm communicator transmitter shall be acceptable to the remote central station and shall comply with UL 632 and be listed and labeled by an NRTL.

B. Functional Performance: Unit shall receive an alarm, supervisory, or trouble signal from fire-alarm control unit and automatically capture two telephone lines and dial a preset number for a remote central station. When contact is made with central station, signals shall be transmitted. If service on either line is interrupted for longer than 45 seconds, transmitter shall initiate a local trouble signal and transmit the signal indicating loss of telephone line to the remote alarm receiving station over the remaining line. Transmitter shall automatically report telephone service restoration to the central station. If service is lost on both telephone lines, transmitter shall initiate the local trouble signal.

C. Local functions and display at the digital alarm communicator transmitter shall include the following:
1. Verification that both telephone lines are available.
2. Programming device.
3. LED display.
4. Manual test report function and manual transmission clear indication.
5. Communications failure with the central station or fire-alarm control unit.

D. Digital data transmission shall include the following:
1. Address of the alarm-initiating device.
2. Address of the supervisory signal.
3. Address of the trouble-initiating device.
4. Loss of ac supply or loss of power.
5. Low battery.
6. Abnormal test signal.
7. Communication bus failure.

E. Self-Test: Conducted automatically every 24 hours with report transmitted to central station.

2.12 SMOKE DAMPERS

A. Smoke dampers, when shown on drawings or in other specifications, shall be provided by others. Provide 120 volt A.C. power circuits, fire alarm interface device, smoke dampers, remote alarm indicator and control wiring as required to operate smoke dampers as required in system operational description above.

2.13 SYSTEM PRINTER

A. Printer shall be listed and labeled by an NRTL as an integral part of fire-alarm system, and installed in the FACP.

2.14 PATHWAYS

A. Support of Open Cabling: NRTL labeled for support of Category 6 cabling, designed to prevent degradation of cable performance and pinch points that could damage cable.
   1. Support brackets with cable tie slots for fastening cable ties to brackets.
   2. Lacing bars, spools, J-hooks, and D-rings.
   3. Straps and other devices.
   4. Cable Ties: Comply with Division 26 Section “Identification of Electrical Systems.”

B. Cable Trays: Comply with requirements in Division 26 Section "Cable Trays for Electrical Systems."

C. Conduit and Boxes: Comply with requirements in Division 26 Section "Raceway and Boxes for Electrical Systems."
   1. Outlet boxes shall be no smaller than 2 inches wide, 3 inches high, and 2-1/2 inches deep.

2.15 FIRE ALARM WIRE AND CABLE

A. General Wire and Cable Requirements: NRTL listed and labeled as complying with NFPA 70, Article 760.

B. Signaling Line Circuits: Twisted, shielded pair, not less than No. 18 AWG.

C. Non-Power-Limited Circuits: Solid-copper conductors with 600-V rated, 75 deg C, color-coded insulation.
   1. Low-Voltage Circuits: No. 16 AWG, minimum.
   2. Line-Voltage Circuits: No. 12 AWG, minimum.
   3. Multiconductor Armored Cable: NFPA 70, Type MC, copper conductors, Type TFN/THHN conductor insulation, copper drain wire, copper armor with red identifier stripe, NTRL listed for fire alarm and cable tray installation, plenum rated, and complying with requirements in UL 2196 for a 2-hour rating.

2.16 IDENTIFICATION PRODUCTS

A. Comply with UL 969 for a system of labeling materials, including label stocks, laminating adhesives, and inks used by label printers.

B. Comply with requirements in Division 26 Section "Identification for Electrical Systems."

2.17 DEVICE GUARDS

A. In Gymnasiums and other spaces subject to damage, provide device guards around devices. Guards for manual pull stations shall not impede operation of pull station. Refer to drawing for additional information.

B. Description: Welded wire mesh of size and shape for the manual station, smoke detector, gong, or other device requiring protection.

1. Factory fabricated and furnished by manufacturer of device.
2. Finish: Paint of color to match the protected device.

PART 3 - EXECUTION

3.1 INSTALLATION OF PATHWAYS

A. Comply with requirements in Division 26 Section "Raceway and Boxes for Electrical Systems." for installation of conduits and wireways.

3.2 FIRE ALARM WIRING INSTALLATION

A. Comply with NECA 1 and NFPA 72.

B. Wiring Method: Install wiring in a dedicated raceway system according to Division 26 Section "Raceway and Boxes for Electrical Systems," except within consoles, cabinets, desks, and counters or as noted below. This system shall not be used for any other wire or cable. Conceal raceways except in unfinished spaces.

C. Wiring Method: Install wiring in raceway according to Division 26 Section "Raceway and Boxes for Electrical Systems," and cable tray except as follows: within consoles, cabinets, desks, and counters and except in accessible ceiling spaces where unenclosed wiring method may be used. Use NRTL-listed plenum cable in environmental air spaces, including plenum ceilings. Conceal raceway and cables except in unfinished spaces. All vertical cable exposed to abuse, inside walls or surface mounted up to 12 feet above finished floor, shall be in conduit.

D. Wiring within Enclosures: Separate power-limited and non-power-limited conductors as recommended by manufacturer. Install conductors parallel with or at right angles to sides and back of the enclosure. Bundle, lace, and train conductors to terminal points with no excess. Connect conductors that are terminated, spliced, or interrupted in any enclosure associated with the fire alarm system to terminal blocks. Mark each terminal according to the system's wiring diagrams. Make all connections with approved crimp-on terminal spade lugs, pressure-type terminal blocks, or plug connectors.

E. Cable Taps: Use numbered terminal strips in junction, pull, and outlet boxes, cabinets, or equipment enclosures where circuit connections are made.

F. Color-Coding: Color-code fire alarm conductors differently from the normal building power wiring. Use one color-code for alarm circuit wiring and another for supervisory circuits. Color-code audible alarm-indicating circuits differently from alarm-initiating circuits. Use different colors for visible alarm-indicating devices. Paint fire alarm system junction boxes and covers red.

G. Wiring to Remote Alarm Transmitting Device: 1-inch conduit between the fire alarm control panel and the transmitter. Install number of conductors and electrical supervision for connecting wiring as needed to suit monitoring function.

3.3 REMOVAL OF CONDUCTORS AND CABLES

1. For existing building that require demolition, remove abandoned conductors and cables. Refer to Division 26 Section " Electrical Demolition" Specification.

3.4 EQUIPMENT INSTALLATION

A. Comply with NECA 305.

B. Comply with NFPA 72 for installation of fire-alarm equipment.

C. Equipment Mounting: Install wall-mounted equipment, with tops of cabinets not more than 72 inches above the finished floor.

1. Comply with requirements for seismic-restraint devices specified in Division 26 Section "Vibration and Seismic Controls for Electrical Systems."

D. Connecting to Existing Equipment: Verify that existing fire-alarm system is operational before making changes or connections.
   1. Connect new equipment to existing control panel in existing part of the building.
   2. Connect new equipment to existing monitoring equipment at the supervising station.
   3. Expand, modify, and supplement existing control and monitoring equipment as necessary to extend existing control and monitoring functions to the new points. New components shall be capable of merging with existing configuration without degrading the performance of either system.

E. HVAC: Locate detectors not closer than 3 feet from air-supply diffuser on return-air opening.

F. Duct Smoke Detectors: Comply with NFPA 72 and NFPA 90A. Install sampling tubes so they extend the full width of duct.
   1. Provide for air-handling units with capacity of 2000 cfm or greater.
   2. Provide for variable air volume type fan-powered terminal units served by return air plenums with capacity of 2000 cfm or greater.
   3. Provide within 5 feet of smoke dampers.

G. Heat Detectors in Elevator Shafts: Coordinate temperature rating and location with sprinkler rating and location.

H. Remote Status and Alarm Indicators: Install near each smoke detector and each sprinkler water-flow switch and valve-tamper switch that is not readily visible from normal viewing position.
   1. Install flush in ceiling below duct smoke detectors, unless otherwise indicated.
   2. Install in public space near device they monitor. Do not install in normally unoccupied spaces.

I. Audible Alarm-Indicating Devices: Install not less than 6 inches below the ceiling. Install bells and horns on flush-mounted back boxes with the device-operating mechanism concealed behind a grille.

J. Visible Alarm-Indicating Devices: Install adjacent to each alarm bell or alarm horn and at least 6 inches below the ceiling.

K. Notification Appliance Circuit Power Supply Units: Provide quantity of units required for notification appliances indicated.
   1. Provide system smoke detector at each group of units.
   2. Provide 120 V, 20 A circuit to each unit.

L. Mechanical Equipment Rooms and Kitchens: Provide 190 deg F fixed heat detectors.

M. Device Location-Indicating Lights: Locate in public space near the device they monitor.

N. Fire-Alarm Control Unit: Surface mounted, with tops of cabinets not more than 72 inches above the finished floor.

O. Annunciator: Install with top of panel not more than 72 inches above the finished floor.

P. Wire Guards: Install wire guards on fire alarm devices located in gymnasia, multi-purpose rooms, stages, and shop areas.

Q. Sprinkler Bell: Install weatherproof bell at fire department connections.

R. Digital Alarm Communicator Transmitter: Where digital alarm communicator transmitter is not installed in fire-alarm control unit, provide 1-inch conduit between fire-alarm control unit and digital alarm communicator transmitter.

S. Additional mounting heights are specified in Division 26 Section "Wiring Devices."

3.5 CONNECTIONS

A. For fire-protection systems related to overhead coiling fire doors and coiling counter fire doors in fire-rated walls and partitions and in smoke partitions, comply with requirements in Division 08 Section "Overhead Coiling Fire Doors" and Division 08 Section "Coiling Counter Fire Doors." Connect hardware and devices to fire-alarm system.
   1. Verify that hardware and devices are NRTL listed for use with fire-alarm system in this Section before making connections.

B. Make addressable connections with a supervised interface device to the following devices and systems. Install the interface device less than 3 feet from the device controlled. Make an addressable confirmation connection when such feedback is available at the device or system being controlled.
   1. Smoke dampers in air ducts of designated air-handling duct systems.
   2. Air-handling unit controllers of designated air-handling systems.
   3. Variable air volume type fan-powered box controllers of designated air-handling systems.
   4. Unlock electric door locks in designated egress paths.
   5. Release magnetic door holders.
   6. Activate circuit breaker shunt-trip to elevator controller.
   7. Alarm-initiating connection to building management system of designated air-handling duct system.
   8. Alarm-initiating connection to elevator recall system and components.
   9. Alarm-initiating connection to activate emergency shutoffs for gas and fuel supplies.
   10. Alarm-initiating connection to overhead coiling fire doors and coiling counter fire doors.
   11. Supervisory connections at valve supervisory switches.
   12. Supervisory connections at low-air-pressure switch of each dry-pipe sprinkler system.
   13. Supervisory connections at elevator shunt trip breaker.

3.6 IDENTIFICATION

A. Identify system components, wiring, cabling, and terminals. Comply with requirements for identification specified in Division 26 Section "Identification for Electrical Systems."

B. Install framed instructions in a location visible from fire-alarm control unit.

3.7 FIRESTOPPING

A. Comply with requirements in Division 07 Section "Firestopping."

3.8 GROUNDING

A. Ground fire-alarm control unit and associated circuits; comply with IEEE 1100. An equipment grounding conductor shall be installed in the branch circuit from the main service ground to fire-alarm control unit.

3.9 FIELD QUALITY CONTROL

A. Manufacturer's Field Service: Engage a factory-authorized service representative to inspect, test, and adjust components, assemblies, and equipment installations, including connections.

B. Tests and Inspections:
   1. Visual Inspection: Conduct visual inspection prior to testing.
      a. Inspection shall be based on completed Record Drawings and system documentation that is required by NFPA 72 in its "Completion Documents, Preparation" Table in the "Documentation" Section of the "Fundamentals of Fire Alarm Systems" Chapter.
      b. Comply with "Visual Inspection Frequencies" Table in the "Inspection" Section of the "Inspection, Testing and Maintenance" Chapter in NFPA 72; retain the "Initial/Reacceptance" column and list only the installed components.

2. System Testing: Comply with "Test Methods" Table in the "Testing" Section of the "Inspection, Testing and Maintenance" Chapter in NFPA 72.
3. Factory-authorized service representative shall prepare the "Fire Alarm System Record of Completion" in the "Documentation" Section of the "Fundamentals of Fire Alarm Systems" Chapter in NFPA 72 and the "Inspection and Testing Form" in the "Records" Section of the "Inspection, Testing and Maintenance" Chapter in NFPA 72.

C. Reacceptance Testing: Perform reacceptance testing to verify the proper operation of added or replaced devices and appliances.

D. Fire-alarm system will be considered defective if it does not pass tests and inspections.

E. Prepare test and inspection reports.

F. Maintenance Test and Inspection: Perform tests and inspections listed for weekly, monthly, quarterly, and semiannual periods. Use forms developed for initial tests and inspections.

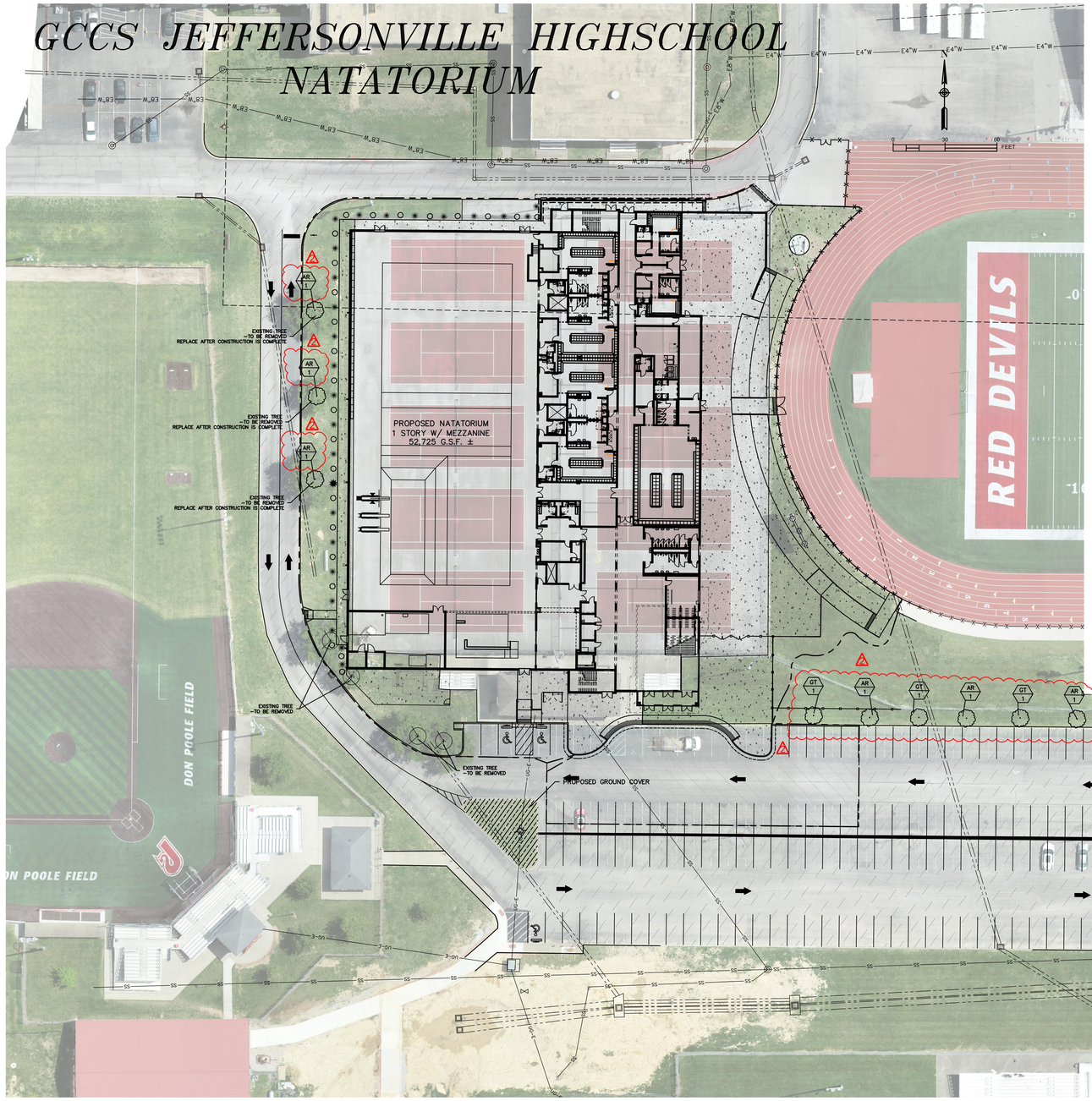
G. Annual Test and Inspection: One year after date of Substantial Completion, test fire-alarm system complying with visual and testing inspection requirements in NFPA 72. Use forms developed for initial tests and inspections.

3.10 DEMONSTRATION

A. Engage a factory-authorized service representative to train Owner's maintenance personnel to adjust, operate, and maintain fire-alarm system.

END OF SECTION 28 31 11

GCCS JEFFERSONVILLE HIGHSCHOOL NATATORIUM



LEGEND

= PROPOSED DICIDUOUS TREE

= PROPOSED FOUNDATION PLANTING

= DISTURBED EXTENTS

SITE DATA

LOT 1

REQUIRED FOUNDATION PLANTINGS	1 SHRUB / 20 LIN. FT OF BUILDING 982 LIN. FT. / 20 = 49.10 SHRUBS REQUIRED = 50 SHRUBS PROVIDED
REQUIRED SITE TREES	1 TREE/ 20,000 S.F. OF SITE AREA 73,483 S.F. "WORKING AREA" 73,483 S.F./ 20,000 S.F. = 4 SITE TREES (EXISTING)

NOTES:

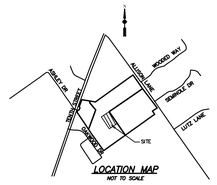
1. LANDSCAPE BEDS TO BE FILLED WITH HARDWOOD MULCH AS NOTED ON THE PLAN.
2. ALL PLANT BEDS TO BE COVERED WITH DEWITT WEED BARRIER – 15 YEAR (OR SIMILAR) PRIOR TO ANY PLANT OR MULCH INSTALLATION.
3. ALL TURF / GRASS AREAS TO BE SODDED OR SEEDED AS NOTED ON THE PLAN.
4. PLAN SUBSTITUTIONS ARE NOT PERMITTED UNLESS APPROVED IN WRITING BY THE CIVIL ENGINEER/ARCHITECT
5. PLANT BEDS SHALL BE GRADED TO DRAIN.
6. ALL PLANTING MATERIALS TO CORRESPOND TO THE APPROVED PLANTING MATERIALS LIST (PAGE 7–22) IN THE JEFFERSONVILLE UNIFIED DEVELOPMENT ORDINANCE DATED OCTOBER 11, 2023

TURF ESTABLISHMENT:

1. THE LANDSCAPE CONTRACTOR SHALL PLACE A 4" COMPACTED LAYER OF SCREENED TOPSOIL OVER ALL AREAS TO BE ESTABLISHED IN TURF. THE TOPSOIL LAYER SHALL BRING ALL TURF AREAS TO FINISH GRADE.
2. THE LANDSCAPE CONTRACTOR SHALL REMOVE STONES BIGGER THAN 1/2 INCHES IN ANY DIMENSION AND ALL STICKS, ROOTS, RUBBISH AND OTHER EXTRANEOUS MATTER.
3. THE LANDSCAPE CONTRACTOR SHALL HYDROSEED ALL NEW LAWN AREAS AS SPECIFIED UNLESS SOD IS SPECIFIED.
4. THE LANDSCAPE CONTRACTOR SHALL MIX SEED, FERTILIZER, AND PULVERIZED MULCH IN WATER, USING EQUIPMENT SPECIALLY DESIGNED FOR HYDROSEED APPLICATION.
5. THE LANDSCAPE CONTRACTOR SHALL APPLY SLURRY UNIFORMLY TO ALL AREAS TO BE SEEDED. RATE OF APPLICATION AS REQUIRED TO OBTAIN SPECIFIED SEED SOWING RATE.
6. THE LANDSCAPE CONTRACTOR SHALL LAY SOD WITHIN 24 HOURS OF STRIPPING. DO NOT LAY DORMANT SOD OR IF GROUND IS FROZEN. LAY SOD TO FORM A SOLID MASS WITH TIGHTLY FITTED JOINTS. DO NOT OVERLAP.
7. THE LANDSCAPE CONTRACTOR SHALL WATER SOD WITH FINE SPRAY IMMEDIATELY AFTER PLANTING. DURING FIRST WEEK, WATER DAILY OR MORE FREQUENTLY AS NECESSARY TO MAINTAIN MOIST SOIL DEPTH OF 4 INCHES.
8. ALL DISTURBED PERVOUS AREAS NOT DESIGNATED AS "LANDSCAPE AREAS" ARE TO BE SEEDED WITH KENTUCKY BLUEGRASS OR FESCUE AT A RATE OF 10–14 LBS PER ACRE OR SOWN WITH SOD.

LANDSCAPE NOTES:

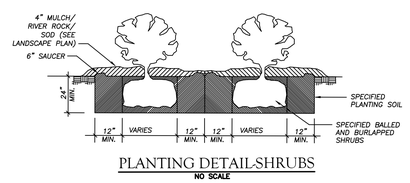
1. PRIOR TO CONSTRUCTION, THE LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL UNDERGROUND UTILITIES AND SHALL AVOID DAMAGE TO ALL UTILITIES DURING THE COURSE OF THE WORK. THE LANDSCAPE CONTRACTOR IS RESPONSIBLE FOR REPAIRING ANY AND ALL DAMAGES TO UTILITIES, STRUCTURES, SITE APPURTENANCES, ETC., WHICH OCCUR AS A RESULT OF THE LANDSCAPE CONSTRUCTION.
2. ALL PLANTS SHALL BE HEALTHY, VIGOROUS MATERIALS FREE FROM DISEASE AND PESTS AND THAT COMPLY WITH THE LATEST EDITION OF THE PUBLICATION ANSI Z60 AMERICAN STANDARD FOR NURSERY STOCK BY THE AMERICAN NURSERY AND LANDSCAPE ASSOCIATION.
3. THE LANDSCAPE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL QUANTITIES SHOWN ON THESE PLANS BEFORE PRICING THE WORK. ANY DIFFERENCE IN QUANTITIES SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER FOR CLARIFICATION.
4. THE LANDSCAPE CONTRACTOR SHALL COMPLETELY GUARANTEE ALL PLANT MATERIALS FOR THE PERIOD OF ONE (1) YEAR BEGINNING AT THE DATE OF TOTAL ACCEPTANCE BY THE OWNER. THE LANDSCAPE CONTRACTOR SHALL PROMPTLY MAKE ALL REPLACEMENTS BEFORE OR AT THE END OF THE GUARANTEE PERIOD AS THE GROWING SEASON PERMITS. THE OWNER MAY INSPECT THE PLANTS AT THE END OF THE GUARANTEE PERIOD. PLANTS THAT ARE DEAD OR NOT IN SATISFACTORY GROWTH SHALL BE REMOVED AND REPLACED DURING THE NEXT NORMAL PLANTING SEASON AT NO ADDITIONAL COST TO THE OWNER.
5. ALL PLANTS SHALL BE BALLED AND BURLAPPED AS INDICATED ON THE PLANT LIST. ALL TREES SHALL BE STRAIGHT TRUNKED, FULL HEADED AND MEET ALL REQUIREMENTS SPECIFIED. ALL TREES MUST BE GUYED OR STAKED.
6. ALL PLANTS AND INSTALLATION ARE SUBJECT TO THE APPROVAL OF THE OWNER.
7. ALL DISTURBED AREAS NOT RECEIVING PLANTINGS, EROSION CONTROL BLANKET, OR DESIGNATED FOR MULCHING (INCLUDING RIGHT–OF–WAY) SHALL BE SODDED.
8. ALL WORK SHALL BE DONE IN ACCORDANCE WITH PROJECT SPECIFICATIONS.
9. ALL PLANTED AREAS SHALL RECEIVE A 3" LAYER OF HARDWOOD MULCH (SEE PLAN).
10. OVER 10 MIL FABRIC EQUAL TO "WEEDBLOCK" BY "EASY GARDENER." ALL LANDSCAPE ISLANDS WITHIN THE PARKING AREA SHOULD RECEIVE RIVER ROCK MULCH, UNLESS OTHERWISE SPECIFIED.
11. THE TOP OF ALL AREAS OF RIVER ROCK SHALL BE AT GRADE OF ADJACENT CURB, WALK, OR EDGE OF PAVEMENT, W/ NO VISIBLE UNDERLAYMENT.
12. NO SUBSTITUTIONS OF PLANT MATERIALS SHALL BE MADE WITHOUT PRIOR WRITTEN PERMISSION OF THE OWNER.
13. ALL LANDSCAPE ISLANDS SHALL BE HARDWOOD MULCH (SEE PLAN). REMAINING DISTURBED AREAS, INCLUDING AREAS ALONG ENTRANCES, SHALL BE SIX (6) FOOT DIAMETER RIVER ROCKED AREAS. THREE (3) FOOT WIDE RIVER ROCKED STRIPS SHALL BE INSTALLED FOR ALL SHRUB LINES. UNLESS OTHERWISE SPECIFIED.
14. CONTRACTOR SHALL BE RESPONSIBLE FOR WATERING SOD UNTIL WELL ESTABLISHED. PROVIDE ALTERNATE COST FOR IRRIGATION. IRRIGATION METER COST TO BE AT CONTRACTORS EXPENSE.
15. CONTRACTOR MUST CONTACT ARC/OWNER PRIOR TO INSTALLING LANDSCAPING TO APPROVE PLANT LOCATIONS. NO SUBSTITUTIONS SHALL BE ALLOWED UNLESS APPROVED BY ARC/OWNER.
16. ALL PLANTING BEDS SHALL RECEIVE HARDWOOD MULCH (SEE PLAN).



PLANT SCHEDULE

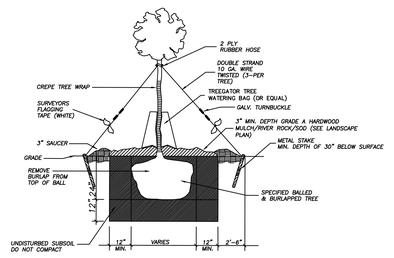
SYM	BOTANICAL NAME	COMMON NAME	SIZE	QTY	COND.	REMARKS	TYPE
PROPOSED PLANTS AND TREES							
GT	*Gleditsia triacanthos 'Inermis'*	Thornless Honey Locust	2.5" Cal.	4	B&B	Full Head	deciduous
AR	*Acer Rubrum*	Red Maple	2.5" Cal.	8	B&B	Full Head	deciduous
IV	*Itea virginica*	Virginia Sweetspire	18" Ht.	28	Container	Full 4' O.C.	foundation planting
BG	*Buxus 'Green Velvet'*	Green Velvet Boxwood	18" Ht.	24	Container	Full 4' O.C.	foundation planting

THE CONTRACTOR INSTALLING IS RESPONSIBLE FOR THE FINAL PLANT COUNT.



PLANTING DETAIL-SHRUBS

NO SCALE



PLANTING DETAIL-DECIDUOUS TREES

NO SCALE

NOTE:
FOR TREE PLANTING WITH A GRATE, SEE SHEET C–504

JEFFERSONVILLE HIGH SCHOOL NATATORIUM

2315 ALLISON LN.
JEFFERSONVILLE, IN 47130

GREATER CLARK COUNTY SCHOOLS

GCCS

CIVIL ENGINEER

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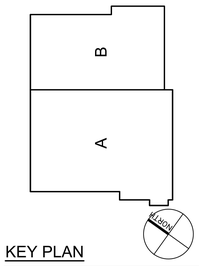


KEY PLAN

ISSUED FOR CONSTRUCTION

JASON M. COPPERNOLL REGISTERED PROFESSIONAL ENGINEER No. 10302376 STATE OF INDIANA

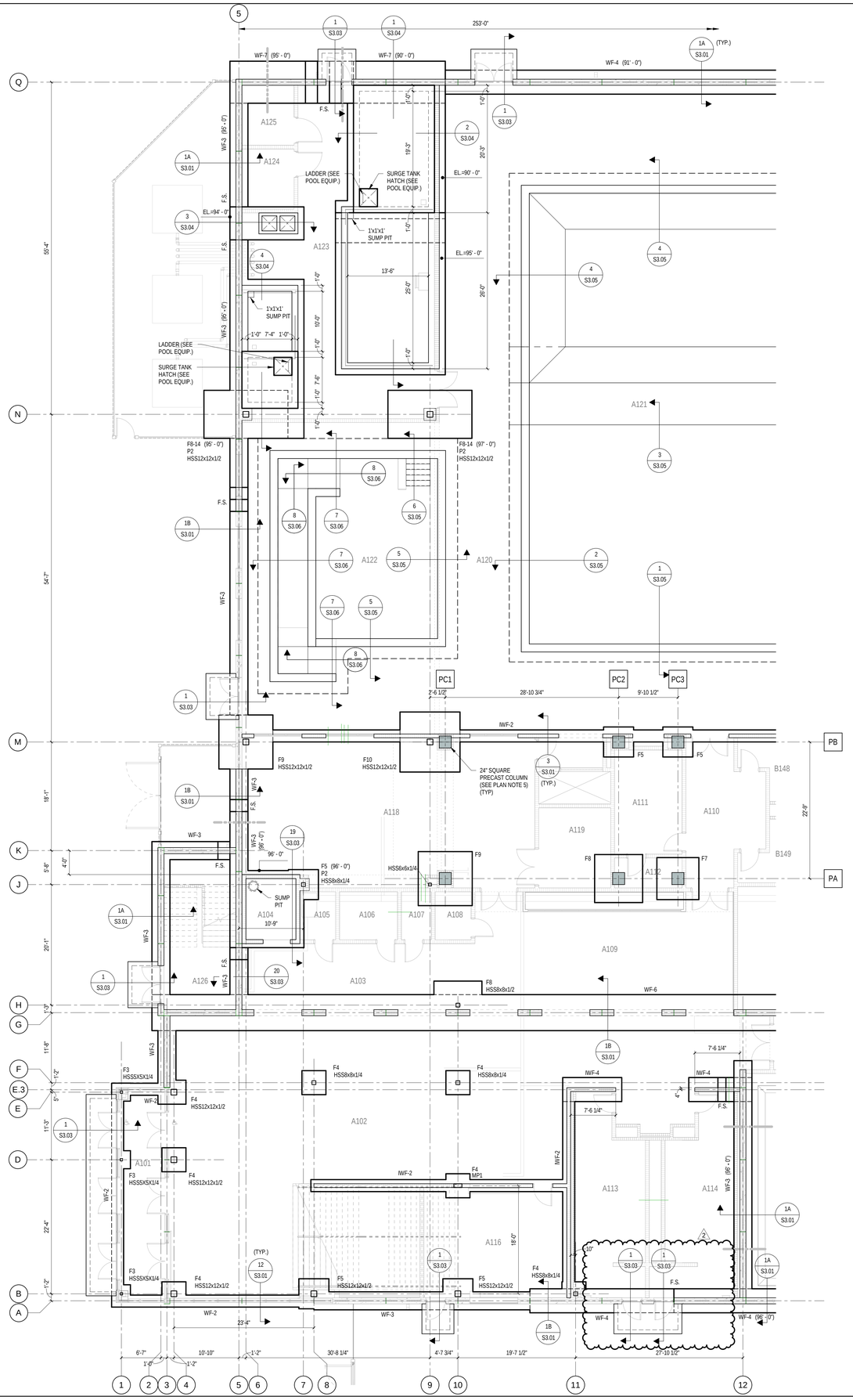
11/20/2023

PROJECT MANAGER: JM
DRAWN BY: CAB
PROJECT NUMBER: 222038.00
PROJECT ISSUE DATE: 11/20/2023

REV. NO.	DESCRIPTION	DATE
2	ADDENDUM #3	01/18/2024

PROPOSED LANDSCAPING PLAN

C-105



UNIT A - FOUNDATION PLAN

1/8" = 1'-0"

NORTH

PLAN NOTES:

1. REFERENCE ELEVATION = TOP OF FIRST FLOOR SLAB = 100'-0" (481.39' U.S.G.S.).
2. TOP OF FOOTING (T/FOOTING) ELEVATION = 98'-0" (U.O.N.).
3. TOP OF PIER (T/PIER) ELEVATION = 98'-0" (U.O.N.).
4. (XXX'-X") INDICATES TOP OF FOOTING OR PIER ELEVATION.
5. PRECAST CONCRETE COLUMNS BY OTHERS. SEE S9.01 FOR LAYOUT/LOCATIONS.

FOUNDATION PLAN NOTES:

1. SEE SHEET S0.01 FOR GENERAL NOTES.
2. SEE S3.01 THROUGH S3.03 FOR FOUNDATION DETAILS. TYPICAL DETAILS MAY NOT BE CUT ON PLANS, BUT APPLY UNLESS OTHERWISE NOTED.
3. CENTER WALL FOOTINGS UNDER WALLS UNLESS NOTED OTHERWISE.
4. FX INDICATES FOUNDATION F"X". SEE FOUNDATION SCHEDULE ON S3.01.
5. WF-X INDICATES WALL FOOTING WF-"X". SEE TYPICAL WALL FOOTING DETAIL ON S3.01.
5. IWF-X INDICATES INTERIOR WALL FOOTING WF-"X". SEE TYPICAL INTERIOR WALL FOOTING DETAIL ON S3.01.
7. PX INDICATES CONCRETE PIER P"X". SEE TYPICAL PIER DETAIL ON S3.01.
8. MPX INDICATES MASONRY PILASTER MP"X". SEE MASONRY PILASTER (MP) ON S4.01.
9. SEE S3.01 FOR TYPICAL INTERIOR COLUMN FOOTING DETAIL.
10. SEE 7-S3.01 FOR TYPICAL COLUMN BASE.
11. SEE 5-S3.01 FOR TYPICAL BASE PLATE.
12. FOOTINGS MAY BE EARTH-FORMED WHERE COHESIVE SOILS EXIST AT FOUNDATION ELEVATION. REFER TO THE PROJECT MANUAL. THE CONTRACTOR SHALL INCLUDE IN HIS BID FORMING OF FOOTINGS WHERE REVIEW OF THE GEOTECHNICAL ENGINEERING REPORT INDICATES EARTH-FORMING MAY NOT BE POSSIBLE.
13. VERIFY LOCATION AND ELEVATION OF ALL UNDERGROUND PLUMBING LINES. SEE SHEET S3.02 FOR REQUIREMENTS WHEN PLUMBING LINES CROSS FOUNDATIONS AT ALL ELEVATIONS.
14. SEE SLAB AND MASONRY PLANS FOR SLAB INFORMATION. SEE 6-S3.03 FOR TYPICAL SLAB ON GRADE DETAILS.
15. SEE 7-S3.03 FOR SLAB ISOLATIONS AND 9/10-S3.03 FOR CONTRACTION JOINTS.
16. SEE ARCHITECTURAL PLANS FOR RAISED LOCKER BASES.
17. F.S. INDICATES STEPPED FOOTING. SEE TYPICAL STEPPED FOOTING ON S3.01.
18. LEGEND:

INDICATES UNDERGROUND PLUMBING OR UTILITY LINE. VERIFY LOCATION AND ELEVATIONS. SEE S3.02 FOR REQUIREMENTS WHEN PLUMBING LINES CROSS FOUNDATIONS AT ALL ELEVATIONS.

JEFFERSONVILLE HIGH SCHOOL NATATORIUM

2315 ALLISON LN.
JEFFERSONVILLE, IN 47130

GREATER CLARK COUNTY SCHOOLS

GCCS

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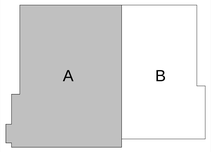
TLF Job No: 2023-116



KEY PLAN

ISSUED FOR CONSTRUCTION

TRACY A. CHARITON REGISTERED No. 10788203 STATE OF INDIANA PROFESSIONAL ENGINEER

PROJECT MANAGER: TAC
DRAWN BY: JDR
PROJECT NUMBER: 222038.00
PROJECT ISSUE DATE: 11/20/2023

REV. NO.	DESCRIPTION	DATE
2	ADDENDUM #3	01/18/24

UNIT A - FOUNDATION PLAN

S1.01

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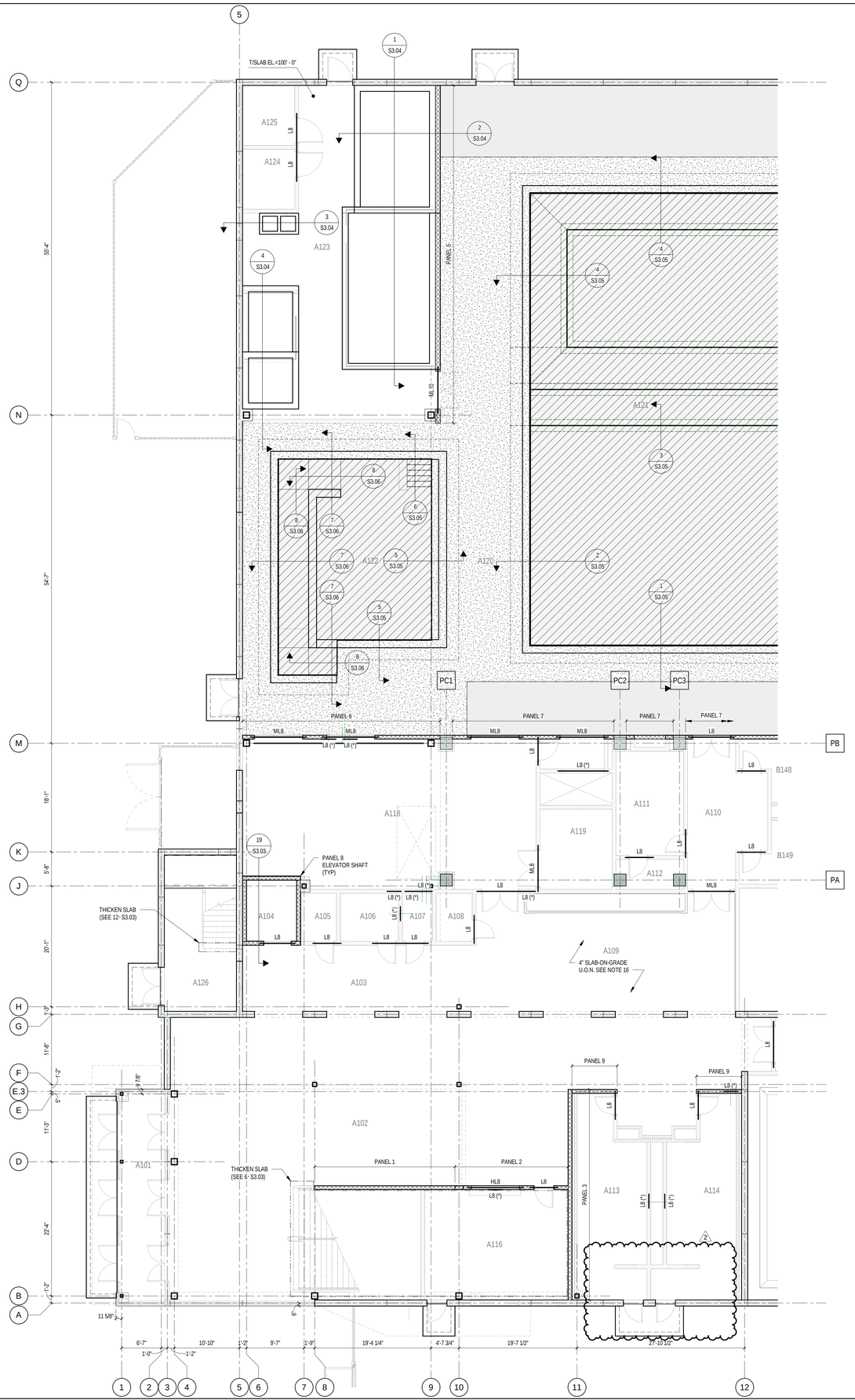

JEFFERSONVILLE HIGH SCHOOL NATATORIUM

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Phone: 317-334-1500
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TLF Job No: 2023-116

NORTH

SLAB AND MASONRY PLAN NOTES:

1. SEE SHEET S0.01 FOR GENERAL NOTES.
2. SEE S3.03, AND S4.01 THROUGH S4.03 FOR TYPICAL SLAB AND MASONRY DETAILS. TYPICAL DETAILS MAY NOT BE CUT ON PLANS, BUT APPLY UNLESS OTHERWISE NOTED.
3. REFERENCE ELEVATION = TOP OF FIRST FLOOR SLAB = 100'-0" (481.39' U.S.G.S.).
4. L, ML, HL — INDICATES MASONRY LINTEL. SEE SHEET S4.03.
5. LBR — INDICATES STEEL ANGLE LINTEL. SEE SHEET S4.03.
6. BPX — INDICATES BEARING PLATE REQUIRED. SEE S5.01.
7. MPX — INDICATES MASONRY PIER. SEE SHEET S4.01.
9. CJ — INDICATES CONTROL JOINT IN CMU. COORDINATE LOCATION WITH BONDING PATTERN AND WALL ELEVATION (SEE S4.02).
8. * — INDICATES LINTEL REQUIRED FOR MECHANICAL OPENING. ONLY A PORTION OF THESE LINTELS REQUIRED FOR MASONRY OPENINGS ARE SHOWN ON THE PLANS. THE CONTRACTOR IS REQUIRED TO FURNISH AND INSTALL LINTELS REQUIRED FOR MECHANICAL OPENINGS WHETHER OR NOT SHOWN ON THE PLANS. COORDINATE NUMBER, SIZE, ELEVATION, AND LOCATION OF ALL LINTELS FOR MECHANICAL OPENINGS.

   SEE 1-S4.03 AND 2-S4.03 FOR LINTELS IN NON-BEARING WALLS. SUBMIT SHOP DRAWINGS FOR REVIEW FOR LINTELS REQUIRED AT MECHANICAL OPENINGS IN BEARING WALLS AND OUTSIDE LIMITS OF 1-S4.03 AND 2-S4.03.
9. FOR MULTI-SPAN CONTINUOUS LINTELS, MAINTAIN 16" MINIMUM CMU BETWEEN OPENINGS (U.O.N.).
10. SEE S4.01 FOR MASONRY WALL BRACING REQUIREMENTS.
11. SEE S4.02 FOR SLOPING BOND BEAM REQUIREMENTS.
12. SEE THE PROJECT MANUAL FOR CONTRACTION AND CONSTRUCTION JOINT SPACING. THE CONTRACTOR IS ENCOURAGED TO SUBMIT A SLAB PLAN SHOWING ALTERNATE SPACINGS AND LOCATIONS THAT ADAPTS TO THEIR PLANNED CONSTRUCTION SEQUENCE.
13. SEE ARCHITECTURAL PLANS FOR RAISED LOCKER BASES.
14. PROVIDE LINTEL AT RECESSED FIRE EXTINGUISHER CABINET. SEE TYPICAL CMU WALL OPENING AT RECESSED EQUIPMENT ON S4.02.
15. PROVIDE LINTEL AT RECESSED ELECTRICAL PANEL BOARD. SEE TYPICAL CMU WALL OPENING AT RECESSED EQUIPMENT ON S4.02.
16. SLAB ON GRADE SHALL BE 4" THICK REINFORCED WITH 6x6-W2.1xW2.1 WIRE MESH REINFORCING IN SHEET FORM. SLAB SHALL BE PLACED OVER VAPOR BARRIER ON 6" DRAINAGE FILL OVER PROOF ROLLED SUBGRADE. SEE 6-S3.03 FOR TYPICAL 4" CONCRETE SLAB ON GRADE.
17. SEE 7-S3.03 FOR SLAB ISOLATIONS AND 9/10-S3.03 FOR CONTRACTION JOINTS.
18. LEGEND:

- INDICATES EXTENTS OF NEW 6" THICK CONCRETE SLAB ON GRADE. REINFORCE WITH #4 BARS AT 12"o.c. IN EACH DIRECTION. PLACE SLAB OVER 6" OF COMPACTED DRAINAGE FILL.
- INDICATES PORTIONS OF THE POOL AREA SLAB THAT SHALL BE 12" THICK WITH TWO LAYERS OF #5 BARS AT 12"o.c. IN EACH DIRECTION. PLACE SLAB OVER 6" OF COMPACTED DRAINAGE FILL.
- INDICATES POOL SLAB BELOW. PLACE SLAB OVER MINIMUM 8" COMPACTED STONE BASE. (SEE POOL DRAWINGS AND SPECIFICATIONS) 2
- PANEL XX — INDICATES MASONRY WALL SUPPORTED ON FOOTING. SEE MASONRY WALL PANEL SCHEDULE 1-S4.01.
- INDICATES THICKENED SLAB. SEE 6C-S3.03.

KEY PLAN

ISSUED FOR CONSTRUCTION

TRACY A. CHARITON REGISTERED No. 10788203 STATE OF INDIANA PROFESSIONAL ENGINEER

PROJECT MANAGER: TAC
DRAWN BY: JDR
PROJECT NUMBER: 222038.00
PROJECT ISSUE DATE: 11/20/2023

REV. NO.	DESCRIPTION	DATE
2	ADDENDUM #3	01/18/24

UNIT A - SLAB AND MASONRY PLAN

S1.03

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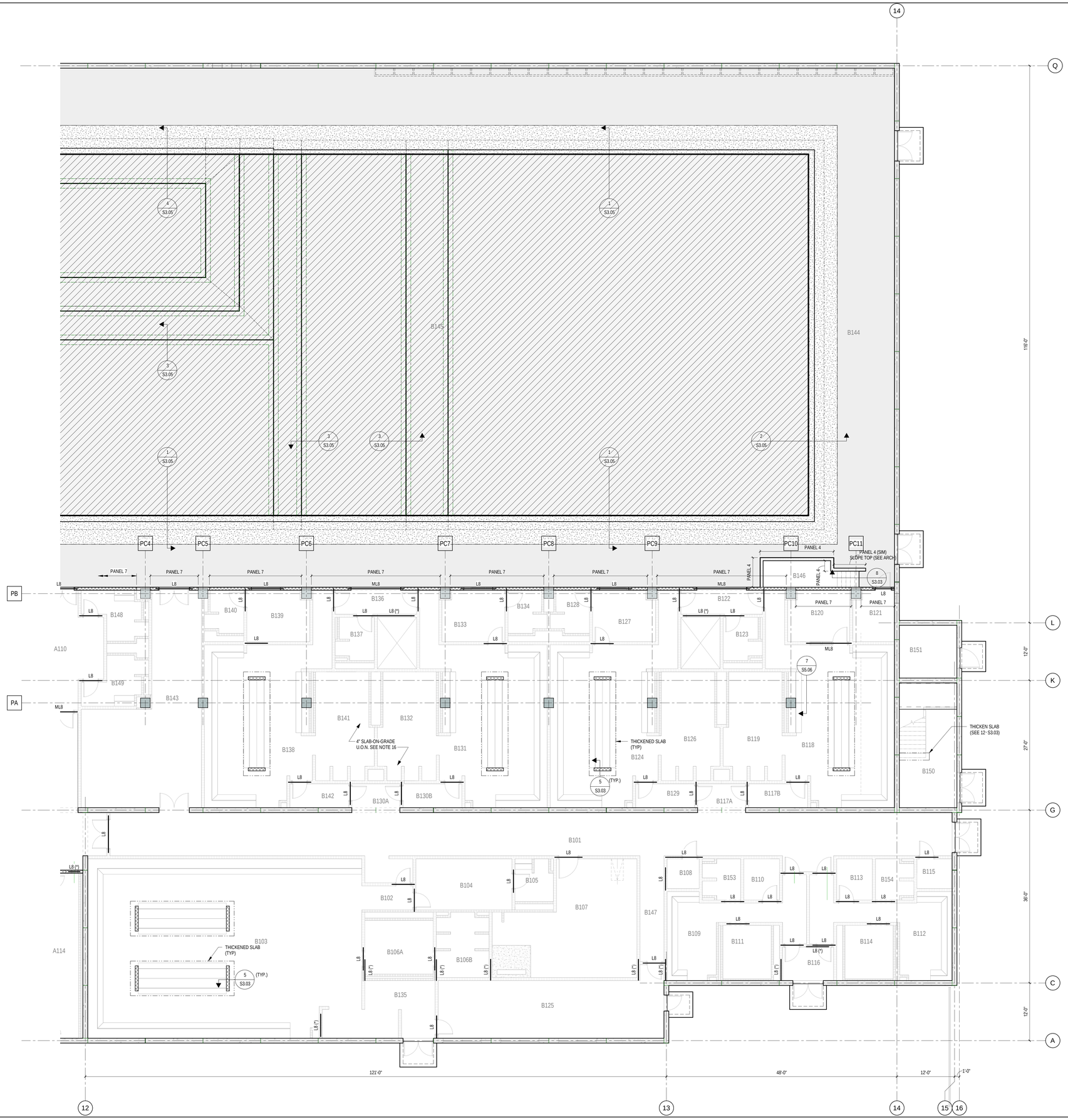

UNIT B - SLAB AND MASONRY PLAN

1/8" = 1'-0"

NORTH

SLAB AND MASONRY PLAN NOTES:

1. SEE SHEET S0.01 FOR GENERAL NOTES.
2. SEE S3.03, AND S4.01 THROUGH S4.03 FOR TYPICAL SLAB AND MASONRY DETAILS. TYPICAL DETAILS MAY NOT BE CUT ON PLANS, BUT APPLY UNLESS OTHERWISE NOTED.
3. REFERENCE ELEVATION = TOP OF FIRST FLOOR SLAB = 100'-0" (481.39' U.S.G.S.).
4. L, ML, HL — INDICATES MASONRY LINTEL. SEE SHEET S4.03.
5. LBR — INDICATES STEEL ANGLE LINTEL. SEE SHEET S4.03.
6. BPX — INDICATES BEARING PLATE REQUIRED. SEE S5.01.
7. MPX — INDICATES MASONRY PIER. SEE SHEET S4.01.
9. CJ — INDICATES CONTROL JOINT IN CMU. COORDINATE LOCATION WITH BONDING PATTERN AND WALL ELEVATION (SEE S4.02).
8. * — INDICATES LINTEL REQUIRED FOR MECHANICAL OPENING. ONLY A PORTION OF THESE LINTELS REQUIRED FOR MASONRY OPENINGS ARE SHOWN ON THE PLANS. THE CONTRACTOR IS REQUIRED TO FURNISH AND INSTALL LINTELS REQUIRED FOR MECHANICAL OPENINGS WHETHER OR NOT SHOWN ON THE PLANS. COORDINATE NUMBER, SIZE, ELEVATION, AND LOCATION OF ALL LINTELS FOR MECHANICAL OPENINGS.

   SEE 1-S4.03 AND 2-S4.03 FOR LINTELS IN NON-BEARING WALLS. SUBMIT SHOP DRAWINGS FOR REVIEW FOR LINTELS REQUIRED AT MECHANICAL OPENINGS IN BEARING WALLS AND OUTSIDE LIMITS OF 1-S4.03 AND 2-S4.03.
9. FOR MULTI-SPAN CONTINUOUS LINTELS, MAINTAIN 16" MINIMUM CMU BETWEEN OPENINGS (U.O.N.).
10. SEE S4.01 FOR MASONRY WALL BRACING REQUIREMENTS.
11. SEE S4.02 FOR SLOPING BOND BEAM REQUIREMENTS.
12. SEE THE PROJECT MANUAL FOR CONTRACTION AND CONSTRUCTION JOINT SPACING. THE CONTRACTOR IS ENCOURAGED TO SUBMIT A SLAB PLAN SHOWING ALTERNATE SPACINGS AND LOCATIONS THAT ADAPTS TO THEIR PLANNED CONSTRUCTION SEQUENCE.
13. SEE ARCHITECTURAL PLANS FOR RAISED LOCKER BASES.
14. PROVIDE LINTEL AT RECESSED FIRE EXTINGUISHER CABINET. SEE TYPICAL CMU WALL OPENING AT RECESSED EQUIPMENT ON S4.02.
15. PROVIDE LINTEL AT RECESSED ELECTRICAL PANEL BOARD. SEE TYPICAL CMU WALL OPENING AT RECESSED EQUIPMENT ON S4.02.
16. SLAB ON GRADE SHALL BE 4" THICK REINFORCED WITH 6x6-W2.1xW2.1 WIRE MESH REINFORCING IN SHEET FORM. SLAB SHALL BE PLACED OVER VAPOR BARRIER ON 6" DRAINAGE FILL OVER PROOF ROLLED SUBGRADE. SEE 6-S3.03 FOR TYPICAL 4" CONCRETE SLAB ON GRADE.
17. SEE 7-S3.03 FOR SLAB ISOLATIONS AND 9/10-S3.03 FOR CONTRACTION JOINTS.
18. LEGEND:

- INDICATES EXTENTS OF NEW 6" THICK CONCRETE SLAB ON GRADE. REINFORCE WITH #4 BARS AT 12"o.c. IN EACH DIRECTION. PLACE SLAB OVER 6" OF COMPACTED DRAINAGE FILL.
- INDICATES PORTIONS OF THE POOL AREA SLAB THAT SHALL BE 12" THICK WITH TWO LAYERS OF #5 BARS AT 12"o.c. IN EACH DIRECTION. PLACE SLAB OVER 6" OF COMPACTED DRAINAGE FILL.
- INDICATES POOL SLAB BELOW. PLACE SLAB OVER MINIMUM 8" COMPACTED STONE BASE. (SEE POOL DRAWINGS AND SPECIFICATIONS)
- PANEL XX — INDICATES MASONRY WALL SUPPORTED ON FOOTING. SEE MASONRY WALL PANEL SCHEDULE 1-S4.01.
- INDICATES THICKENED SLAB. SEE 6C-S3.03.

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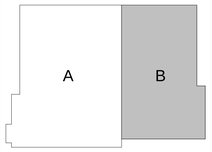

KEY PLAN

ISSUED FOR CONSTRUCTION

PROJECT MANAGER: TAC
DRAWN BY: JDR
PROJECT NUMBER: 222038.00
PROJECT ISSUE DATE: 11/20/2023

REV. NO.	DESCRIPTION	DATE
2	ADDENDUM #3	01/18/24

UNIT B - SLAB AND MASONRY PLAN

S1.04

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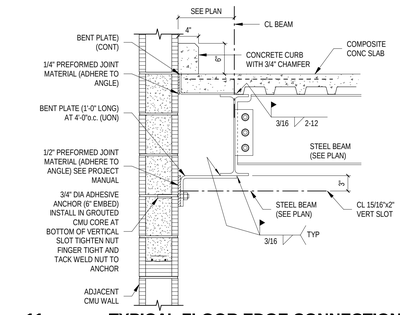
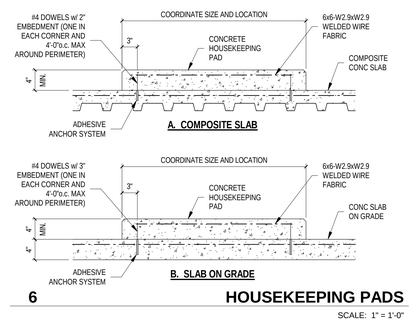


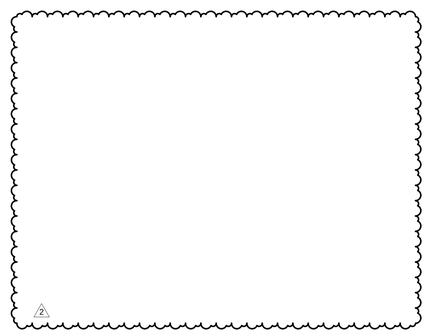
11 TYPICAL FLOOR EDGE CONNECTION

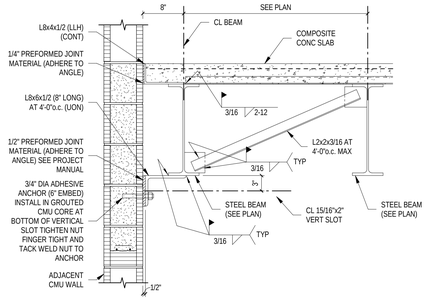
SCALE: 1" = 1'-0"



6 HOUSEKEEPING PADS

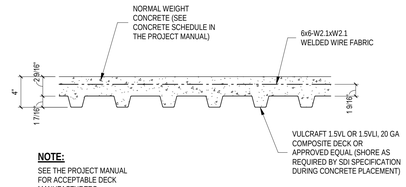
SCALE: 1" = 1'-0"





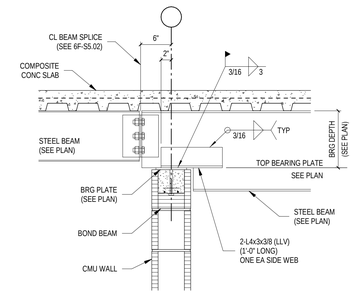
12 TYPICAL FLOOR EDGE CONNECTION

SCALE: 1" = 1'-0"



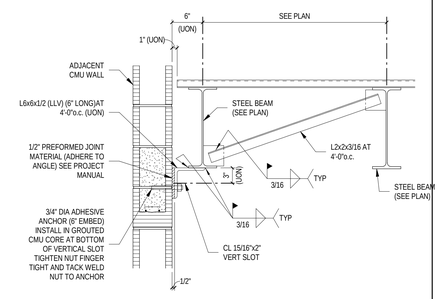
7 4" COMPOSITE CONCRETE SLAB

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



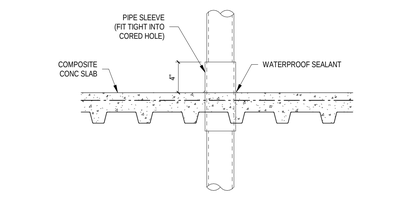
2 BEAM TO BEAM CONNECTIONS

SCALE: 1" = 1'-0"



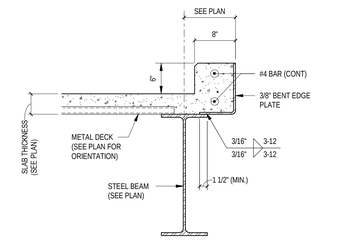
13 TYPICAL ROOF EDGE CONNECTION

SCALE: 1" = 1'-0"



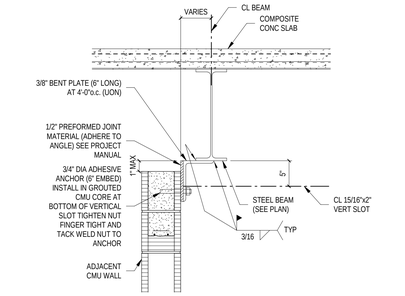
8 PIPE SLEEVE THRU CONCRETE SLAB

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



3 SLAB CURB DETAIL

SCALE: 1" = 1'-0"



9 TYPICAL FLOOR CONNECTION

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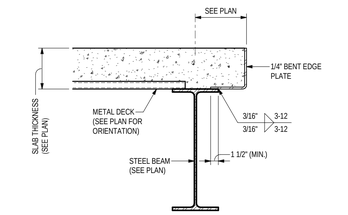

4 SLAB EDGE DETAIL

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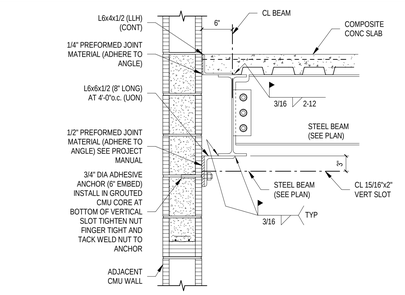

10 TYPICAL FLOOR EDGE CONNECTION

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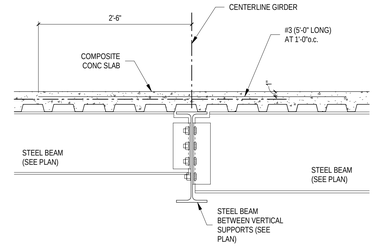

5 TYPICAL SLAB REINFORCEMENT AT GIRDER

SCALE: 1" = 1'-0"

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TLF Job No: 2023-116

ISSUED FOR CONSTRUCTION

TRACY A. CHARITON REGISTERED No. 10700203 STATE OF INDIANA PROFESSIONAL ENGINEER

PROJECT MANAGER: TAC
DRAWN BY: JDR
PROJECT NUMBER: 222038.00
PROJECT ISSUE DATE: 11/20/2023

REV. NO.	DESCRIPTION	DATE
2	ADDENDUM #3	01/18/24

FRAMING DETAILS

S5.03

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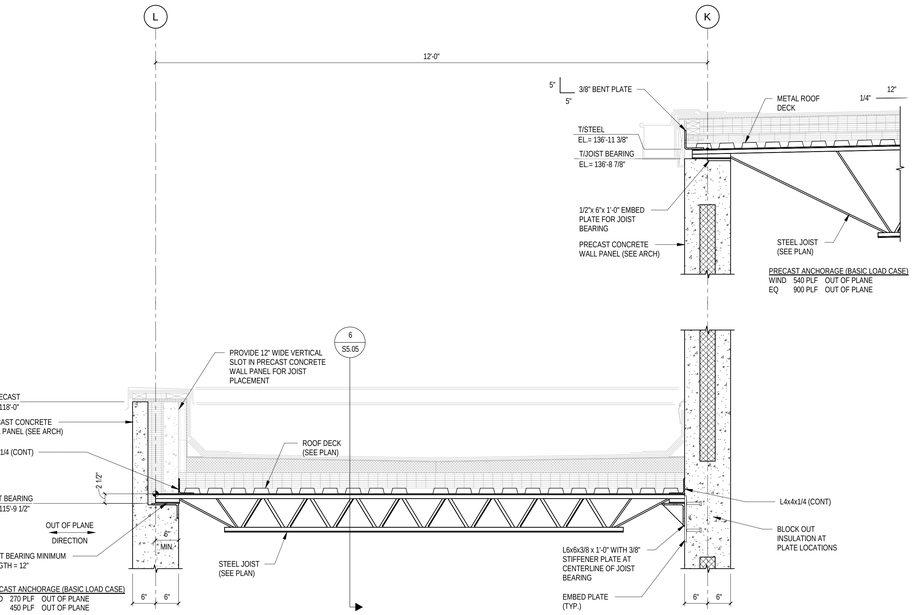

4 **SECTION**
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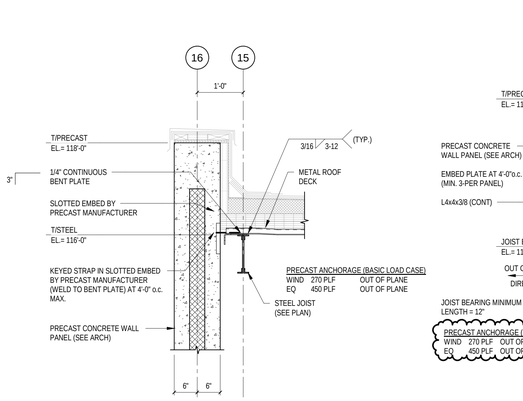

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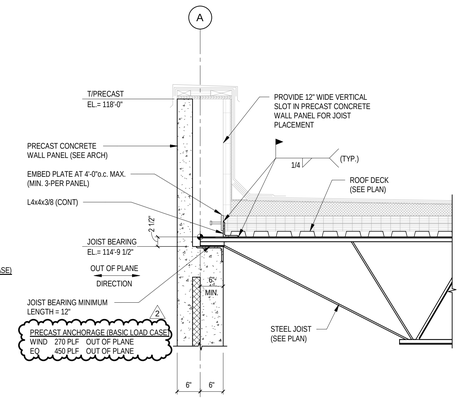

5 **SECTION**
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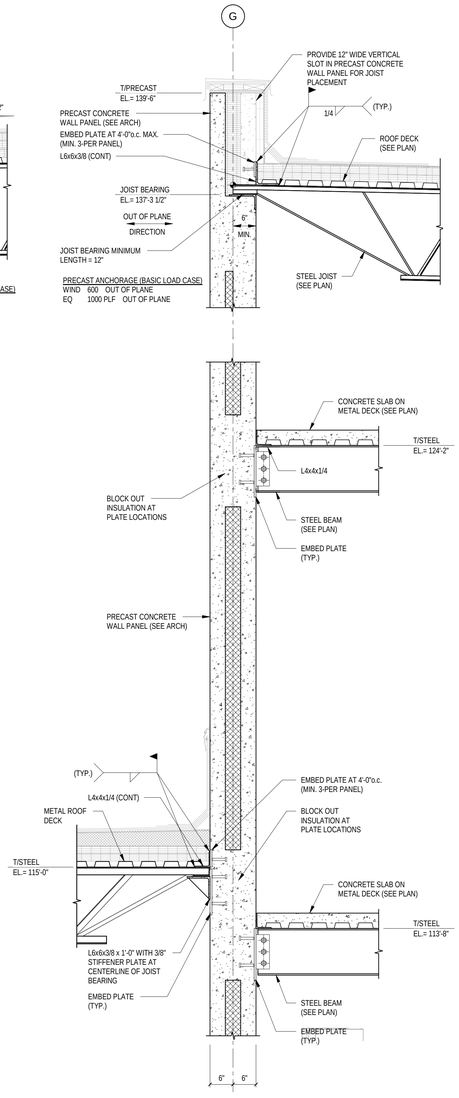
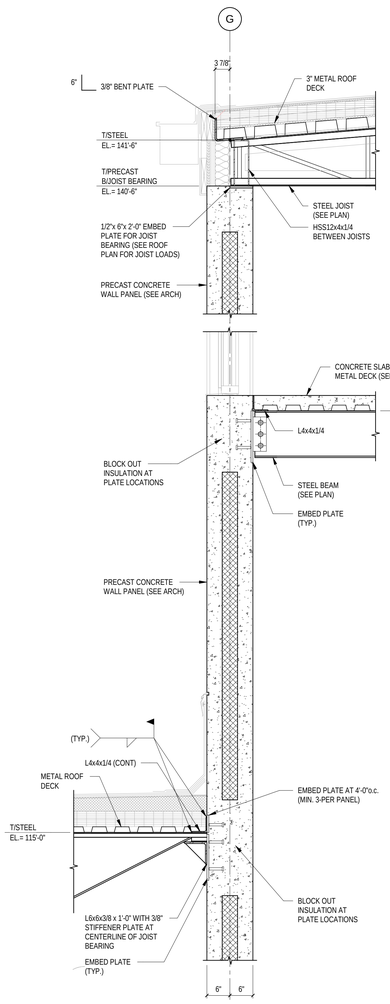
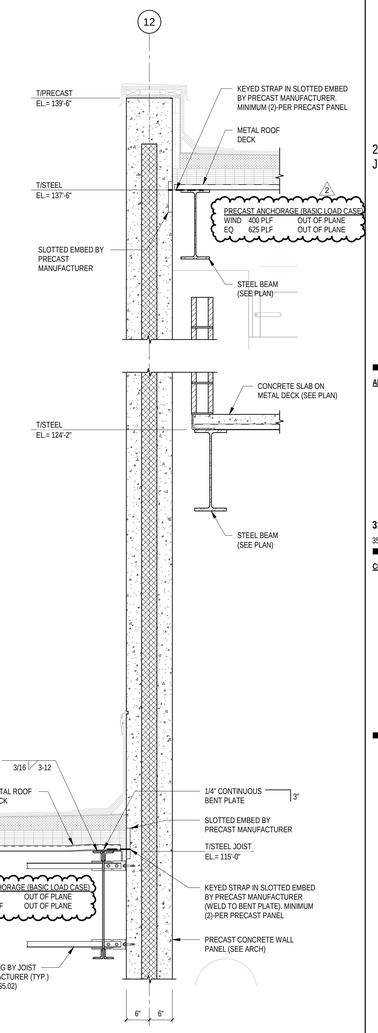


3 **SECTION**
SCALE: 3/4" = 1'-0"



2 **SECTION**
SCALE: 3/4" = 1'-0"



1 **SECTION**
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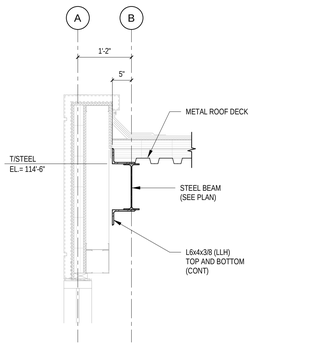

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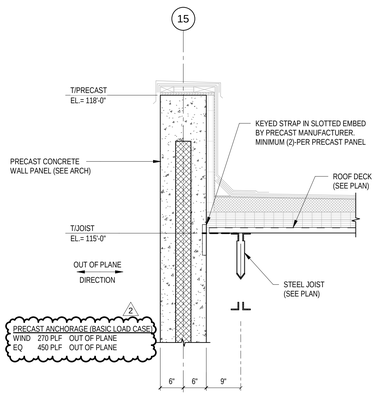

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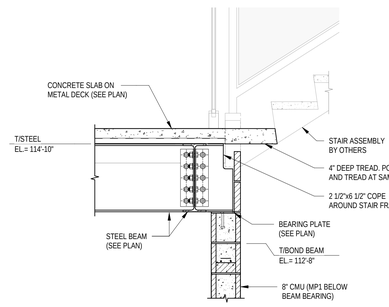

9 **SECTION**
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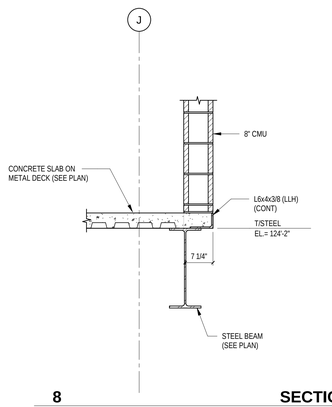

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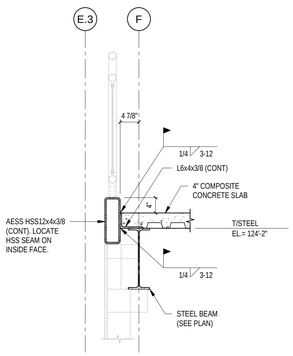

7 **SECTION**
SCALE: 3/4" = 1'-0"

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TLF Job No: 2023-116

ISSUED FOR CONSTRUCTION

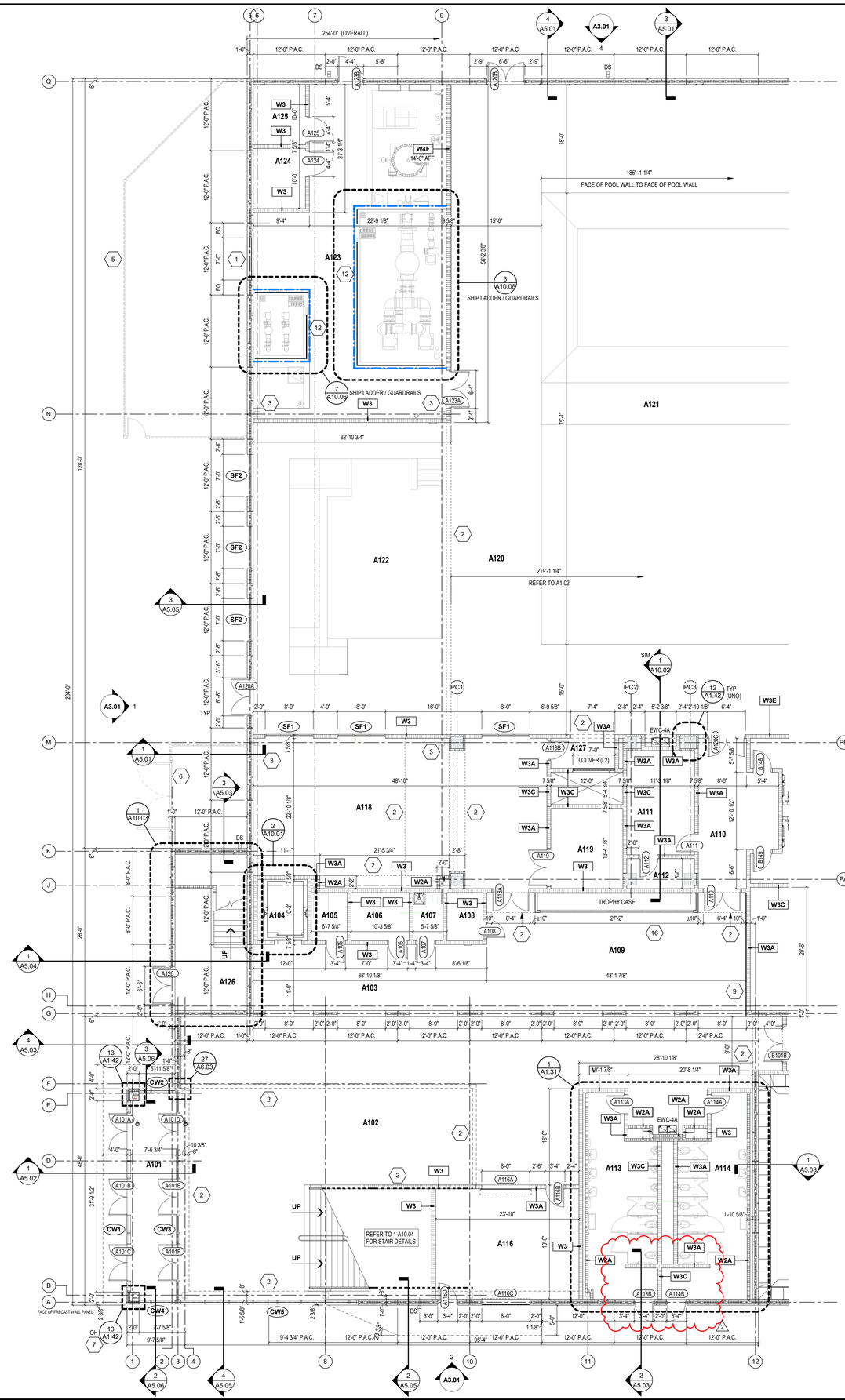
TRACY A. CHAMBERS REGISTERED No. 10702203 STATE OF INDIANA PROFESSIONAL ENGINEER

PROJECT MANAGER: TAC
DRAWN BY: JDR
PROJECT NUMBER: 222038.00
PROJECT ISSUE DATE: 11/20/2023

REV. NO.	DESCRIPTION	DATE
2	ADDENDUM #3	01/18/24

SECTIONS AND DETAILS

S5.05



ARCHITECTURAL PLAN GENERAL NOTES

A. ALL CMU WALLS THAT DO NOT LAY OUT IN FULL OR HALF LENGTHS SHOULD BE BALANCED SO AS NOT TO HAVE ANY PIECES LESS THAN 4" IN SIZE EXPOSED TO VIEW.
B. WHERE DISSIMILAR FLOOR MATERIALS MEET, THEY SHALL DO SO UNDER THE CENTERLINE OF THE DOOR, UNLESS NOTED OTHERWISE.
C. THE BASE FLOOR ELEVATION INDICATED FOR THE PROJECT IS 100'-0". REFER TO SITE PLAN FOR CORRELATION TO USGS DATUM.
D. ALL INTERIOR MASONRY WALLS THAT RUN TO UNDERSIDE OF DECK ABOVE SHALL HAVE A 2" JOINT (U.N.O.) AT THE DECK TO BE FILLED WITH FIRE STOPPING AT RATED WALLS PER PROJECT MANUAL, AND MINERAL WOOL AT THE NON-RATED WALLS, TO ALLOW FOR DEFLECTION. REFER TO SHEET A1.41 FOR TYPICAL COMMON JOINT DETAILS AND CONSTRUCTION MOVEMENT JOINT DETAILS REFER TO DETAILS ON SHEET A1.42
E. ALL DIMENSIONS ON FLOOR PLANS ARE TO FINISH FACE OF CMU, CONCRETE, BRICK OR FINISH FACE OF GWB AT METAL STUD WALLS, UNLESS NOTED OTHERWISE. EXCEPTION: EXTERIOR METAL STUD WALLS ARE TO FACE OF METAL STUDS.
F. HINGE SIDE DOOR JAMB AT WALLS WILL TYPICALLY BE LOCATED 4" MINIMUM FROM ADJACENT WALL UNLESS NOTED OTHERWISE.
G. ALL EXPOSED CONCRETE MASONRY UNITS (CMU) CORNERS ARE TO BE BULLNOSE, EXCEPT AT WINDOW JAMBS, BULKHEADS, WINDOW AND DOOR HEADS.
H. SEE REFLECTED CEILING PLANS (R.C.P.) FOR BULKHEAD LOCATIONS AND DETAIL REFERENCES.
I. REFER TO ROOM FINISH SCHEDULE AND EQUIPMENT PLANS FOR LOCATION AND EXTENT OF FINISH FLOOR MATERIALS UNLESS NOTED OTHERWISE.
J. PROVIDE WOOD BLOCKING, AS REQUIRED, WITHIN METAL STUD WALLS FOR WALL MOUNTED ITEMS.
K. REFER TO MASTERCODE PLANS FOR CODE INFORMATION AND FIRE RATED WALL LOCATIONS.
L. PROVIDE SPRAY FOAM INSULATION AND THERMAL BARRIER CONTINUOUS AT INTERSECTION OF EXTERIOR WALLS AND DECK.
M. SF = GLAZED ALUMINUM STOREFRONT SYSTEM. REFER TO FLOOR PLANS AND A6.02
N. CW = GLAZED ALUMINUM CURTAIN WALL SYSTEM. REFER TO FLOOR PLANS AND A6.02
O. L = ALUMINUM FIXED LOUVER WITH S.S. ANCHORS. REFER TO FLOOR PLANS, MECHANICAL DRAWINGS AND A6.02
P. WW = GLAZED ALUMINUM WINDOW WALL SYSTEM. REFER TO FLOOR PLANS AND A6.02
Q. ALL EXPOSED STEEL COLUMNS TO BE PAINTED, UNLESS NOTED OTHERWISE.
R. PRECAST ARCHITECTURAL CONCRETE WALL PANEL - PROVIDE 3/4" CHAMFER ON EXPOSED CORNERS (TYP) **DELETE CHAMFER WHEN FINISH MATERIALS, RE: WALLS AND OR CEILINGS, ALIGN / ABUT AN EXPOSED CORNER OR WHEN AN EXPOSED CORNER IS HIDDEN FROM VIEW AND AT OPENINGS WHERE FRAMES, TRACKS, GUIDES OR EQUIPMENT ARE MOUNTED. REFER TO WALL SECTIONS, DETAILS, HEADS, JAMBS AND SILLS ETC..
S.

ARCHITECTURAL PLAN NOTES

(X)

(ALL NOTES MAY NOT BE INDICATED ON THIS SHEET)

—— W### INDICATES WALL TYPE. REFER TO DRAWING A1.41 FOR WALL THICKNESS, HEIGHT AND COMPOSITION.

NO.	DESCRIPTION
1	PROVIDE A 84" WIDE x 18" HIGH OPENING AT 2' AFF IN PRECAST WALL FOR MECHANICAL PIPING. INFILL OPENING WITH 4" EIFS ON 5/8" SHEATHING ON 3 5/8" METAL STUDS WITH IFS ON 1/2" GYP SHEATHING. COORDINATE PIPE PENETRATIONS WITH MECHANIAL DRAWINGS.
2	DASHED LINE INDICATES BULKHEAD/SOFFIT ABOVE. REFER TO CEILING PLANS.
3	EXPOSED STRUCTURAL COLUMN, PAINT.
4	ROOF HATCH WITH FIXED ACCESS LADDER (SIM TO O'KEEFFE'S #500). REFER TO ROOF PLAN AND 6-A2.03
5	MECHANICAL YARD SCREEN WALL. REFER TO CIVIL DRAWINGS
6	TRANSFORMER SCREEN WALL. REFER TO CIVIL DRAWINGS
7	PROVIDE A LOCK BOX IN METAL PLATE WALL PANEL.
8	PROVIDE A 52" WIDE x 18" HIGH OPENING AT 2' AFF IN PRECAST WALL FOR MECHANICAL PIPING. INFILL OPENING WITH 4" EIFS ON 5/8" SHEATHING ON 3 5/8" METAL STUDS WITH IFS ON 1/2" GYP SHEATHING. COORDINATE PIPE PENETRATIONS WITH MECHANIAL DRAWINGS.
9	PROVIDE 5/8" GWB (LEVEL 5 FINISH) ON 7/8" FURRING CHANNELS 16" O.C. TO 4" ABOVE CEILING.
10	ALIGN FACE OF GWB WITH FACE OF PRECAST COLUMN
11	RECORDS BOARD, REFER TO INTERIOR ELEVATIONS
12	DAMP PROOFING W/ PROTECTION COURSE.
13	SCORE BOARD, REFER TO INTERIOR ELEVATIONS
14	DASHED LINE INDICATES FACE OF WALL ABOVE.
15	42" x 20" ADA BENCH, REFER TO A7 SERIES DETAILS
16	REFER TO SHEET A7S.01 FOR TROPHY CASE DETAILS.
17	PROVIDE ACOUSTIC SPRAY JOINT SEALANT WITH MINERAL WOOL BACKING EACH SIDE AT WALL INTERSECTION AT ROOF DECK. SEAL ALL GAPS FULL LENGTH OF WALL.

ROOM LEGEND - FIRST FLOOR UNIT A

ROOM NO.	ROOM NAME	AREA (SF)	Class Abbreviation
A101	VESTIBULE	282 SF	U
A102	LOBBY	3094 SF	U
A103	VESTIBULE	418 SF	U
A104	ELEVATOR	85 SF	U
A105	ELEVATOR MACHINE ROOM	48 SF	AC
A106	ELECTRICAL	77 SF	AC
A107	JANITOR	40 SF	AC
A108	TECHNOLOGY	48 SF	AC
A109	HALL OF CHAMPIONS	738 SF	U
A110	CORRIDOR	269 SF	U
A111	FACILITIES	195 SF	B
A112	STORAGE	58 SF	U
A113	RESTROOM	348 SF	U
A114	RESTROOM	363 SF	U
A115	ALCOVE	Not Placed	U
A116	CONCESSIONS	438 SF	CB
A117	TEAM	1187 SF	EC
A119	STORAGE	160 SF	U
A120	COMPETITION POOL DECK	3647 SF	SSD
A121	COMPETITION POOL	2711 SF	SSR
A122	THERAPY POOL	886 SF	SSR
A123	POOL EQUIPMENT	1585 SF	AC
A124	STORAGE	87 SF	U
A125	STORAGE	87 SF	U
A126	STAIR A	191 SF	U
A127	ALCOVE	53 SF	U
Grand total: 26		17078 SF	

NOT USED (2)

UNIT A - FIRST FLOOR ARCHITECTURAL PLAN

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

VERIFICATION NOTE

CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CLEARANCES AND ALL EXISTING FIELD CONDITIONS BEFORE STARTING CONSTRUCTION. COMMENCEMENT OF WORK CONSTITUTES ACCEPTANCE OF CONDITIONS.

SHOULD DIFFERENT CONDITIONS BE ENCOUNTERED, CONTACT THE ARCHITECT BEFORE PROCEEDING WITH WORK.

JEFFERSONVILLE HIGH SCHOOL NATATORIUM

2315 ALLISON LN.
JEFFERSONVILLE, IN 47130

GREATER CLARK COUNTY SCHOOLS

GCCS

ARCHITECT

FANNING HOWEY

317-848-0966 WWW.FHAI.COM
350 EAST NEW YORK ST.

A B

NORTH

KEY PLAN

ISSUED FOR CONSTRUCTION

PAUL A. MILLER REGISTERED No. AR10800161 STATE OF INDIANA ARCHITECT

PROJECT MANAGER: JM
DRAWN BY: BMD
PROJECT NUMBER: 222038.00
PROJECT ISSUE DATE: 11/20/2023

REV. NO.	DESCRIPTION	DATE
2	ADDENDUM #3	01/17/2024

UNIT A - FIRST FLOOR ARCHITECTURAL PLAN

A1.01

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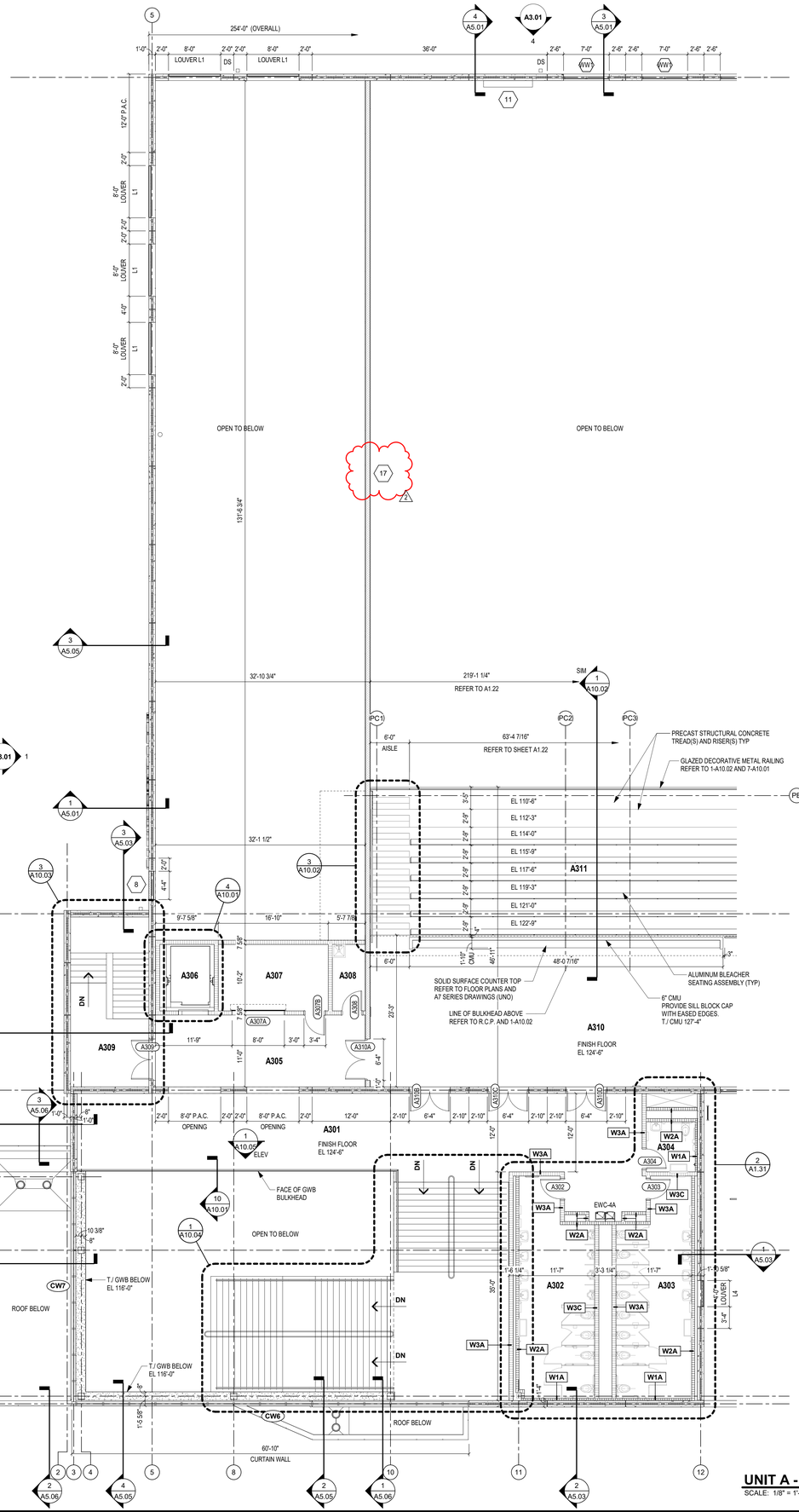

UNIT A - SECOND FLOOR ARCHITECTURAL PLAN

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

ROOM LEGEND - SECOND FLOOR UNIT A

ROOM NO.	ROOM NAME	AREA (SF)	Class Abbreviation
A301	UPPER BALCONY	1093 SF	U
A302	RESTROOM	354 SF	U
A303	RESTROOM	355 SF	U
A304	FAMILY RESTROOM	58 SF	U
A305	UPPER LOBBY	353 SF	U
A306	ELEVATOR	85 SF	U
A307	UPPER CONCESSIONS	171 SF	CB
A308	JANITOR	51 SF	U
A309	STAIR A	312 SF	U
A310	CONCOURSE	1151 SF	U
A311	BLEACHERS	1158 SF	A4
Grand total: 11		5142 SF	

ARCHITECTURAL PLAN GENERAL NOTES

A. ALL CMU WALLS THAT DO NOT LAY OUT IN FULL OR HALF LENGTHS SHOULD BE BALANCED SO AS NOT TO HAVE ANY PIECES LESS THAN 4" IN SIZE EXPOSED TO VIEW.
B. WHERE DISSIMILAR FLOOR MATERIALS MEET, THEY SHALL DO SO UNDER THE CENTERLINE OF THE DOOR, UNLESS NOTED OTHERWISE.
C. THE BASE FLOOR ELEVATION INDICATED FOR THE PROJECT IS 100'-0". REFER TO SITE PLAN FOR CORRELATION TO USGS DATUM.
D. ALL INTERIOR MASONRY WALLS THAT RUN TO UNDERSIDE OF DECK ABOVE SHALL HAVE A 2" JOINT (U.N.O.) AT THE DECK TO BE FILLED WITH FIRE STOPPING AT RATED WALLS PER PROJECT MANUAL, AND MINERAL WOOL AT THE NON-RATED WALLS, TO ALLOW FOR DEFLECTION. REFER TO SHEET A1.41 FOR TYPICAL COMMON JOINT DETAILS AND CONSTRUCTION MOVEMENT JOINT DETAILS REFER TO DETAILS ON SHEET A1.42
E. ALL DIMENSIONS ON FLOOR PLANS ARE TO FINISH FACE OF CMU, CONCRETE, BRICK OR FINISH FACE OF GWB AT METAL STUD WALLS, UNLESS NOTED OTHERWISE. EXCEPTION: EXTERIOR METAL STUD WALLS ARE TO FACE OF METAL STUDS.
F. HINGE SIDE DOOR JAMB AT WALLS WILL TYPICALLY BE LOCATED 4" MINIMUM FROM ADJACENT WALL UNLESS NOTED OTHERWISE.
G. ALL EXPOSED CONCRETE MASONRY UNITS (CMU) CORNERS ARE TO BE BULLNOSE, EXCEPT AT WINDOW JAMBS, BULKHEADS, WINDOW AND DOOR HEADS.
H. SEE REFLECTED CEILING PLANS (R.C.P.) FOR BULKHEAD LOCATIONS AND DETAIL REFERENCES.
I. REFER TO ROOM FINISH SCHEDULE AND EQUIPMENT PLANS FOR LOCATION AND EXTENT OF FINISH FLOOR MATERIALS UNLESS NOTED OTHERWISE.
J. PROVIDE WOOD BLOCKING, AS REQUIRED, WITHIN METAL STUD WALLS FOR WALL MOUNTED ITEMS.
K. REFER TO MASTERCODE PLANS FOR CODE INFORMATION AND FIRE RATED WALL LOCATIONS.
L. PROVIDE SPRAY FOAM INSULATION AND THERMAL BARRIER CONTINUOUS AT INTERSECTION OF EXTERIOR WALLS AND DECK.
M. SF = GLAZED ALUMINUM STOREFRONT SYSTEM. REFER TO FLOOR PLANS AND A6.02
N. CW = GLAZED ALUMINUM CURTAIN WALL SYSTEM. REFER TO FLOOR PLANS AND A6.02
O. L = ALUMINUM FIXED LOUVER WITH S.S. ANCHORS. REFER TO FLOOR PLANS, MECHANICAL DRAWINGS AND A6.02
P. WW = GLAZED ALUMINUM WINDOW WALL SYSTEM. REFER TO FLOOR PLANS AND A6.02
Q. ALL EXPOSED STEEL COLUMNS TO BE PAINTED, UNLESS NOTED OTHERWISE.
R. PRECAST ARCHITECTURAL CONCRETE WALL PANEL - PROVIDE 3/4" CHAMFER ON EXPOSED CORNERS (TYP) **DELETE CHAMFER WHEN FINISH MATERIALS, RE: WALLS AND OR CEILINGS, ALIGN / ABUT AN EXPOSED CORNER OR WHEN AN EXPOSED CORNER IS HIDDEN FROM VIEW AND AT OPENINGS WHERE FRAMES, TRACKS, GUIDES OR EQUIPMENT ARE MOUNTED. REFER TO WALL SECTIONS, DETAILS, HEADS, JAMBS AND SILLS ETC..

ARCHITECTURAL PLAN NOTES

(ALL NOTES MAY NOT BE INDICATED ON THIS SHEET)

W### — INDICATES WALL TYPE. REFER TO DRAWING A1.41 FOR WALL THICKNESS, HEIGHT AND COMPOSITION.

NO.	DESCRIPTION
1	PROVIDE A 84" WIDE x 18" HIGH OPENING AT 2' AFF IN PRECAST WALL FOR MECHANICAL PIPING. INFILL OPENING WITH 4" EIFS ON 5/8" SHEATHING ON 3 5/8" METAL STUDS WITH IFS ON 1/2" GYP SHEATHING. COORDINATE PIPE PENETRATIONS WITH MECHANIAL DRAWINGS.
2	DASHED LINE INDICATES BULKHEAD/SOFFIT ABOVE. REFER TO CEILING PLANS.
3	EXPOSED STRUCTURAL COLUMN, PAINT.
4	ROOF HATCH WITH FIXED ACCESS LADDER (SIM TO O'KEEFFE'S #500). REFER TO ROOF PLAN AND 6-A2.03
5	MECHANICAL YARD SCREEN WALL. REFER TO CIVIL DRAWINGS
6	TRANSFORMER SCREEN WALL. REFER TO CIVIL DRAWINGS
7	PROVIDE A LOCK BOX IN METAL PLATE WALL PANEL.
8	PROVIDE A 52" WIDE x 18" HIGH OPENING AT 2' AFF IN PRECAST WALL FOR MECHANICAL PIPING. INFILL OPENING WITH 4" EIFS ON 5/8" SHEATHING ON 3 5/8" METAL STUDS WITH IFS ON 1/2" GYP SHEATHING. COORDINATE PIPE PENETRATIONS WITH MECHANIAL DRAWINGS.
9	PROVIDE 5/8" GWB (LEVEL 5 FINISH) ON 7/8" FURRING CHANNELS 16" O.C. TO 4" ABOVE CEILING.
10	ALIGN FACE OF GWB WITH FACE OF PRECAST COLUMN
11	RECORDS BOARD, REFER TO INTERIOR ELEVATIONS
12	DAMP PROOFING W/ PROTECTION COURSE.
13	SCORE BOARD, REFER TO INTERIOR ELEVATIONS
14	DASHED LINE INDICATES FACE OF WALL ABOVE.
15	42" x 20" ADA BENCH, REFER TO A7 SERIES DETAILS
16	REFER TO SHEET A7S.01 FOR TROPHY CASE DETAILS
17	PROVIDE ACOUSTIC SPRAY JOINT SEALANT WITH MINERAL WOOL BACKING EACH SIDE AT WALL INTERSECTION AT ROOF DECK. SEAL ALL GAPS FULL LENGTH OF WALL.

VERIFICATION NOTE

CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CLEARANCES AND ALL EXISTING FIELD CONDITIONS BEFORE STARTING CONSTRUCTION. COMMENCEMENT OF WORK CONSTITUTES ACCEPTANCE OF CONDITIONS.

SHOULD DIFFERENT CONDITIONS BE ENCOUNTERED, CONTACT THE ARCHITECT BEFORE PROCEEDING WITH WORK.

JEFFERSONVILLE HIGH SCHOOL NATATORIUM

2315 ALLISON LN.
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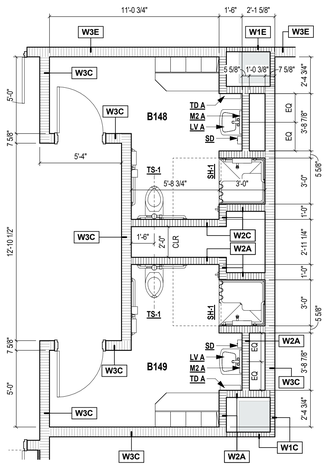
UNIT A - SECOND FLOOR ARCHITECTURAL PLAN

A1.21

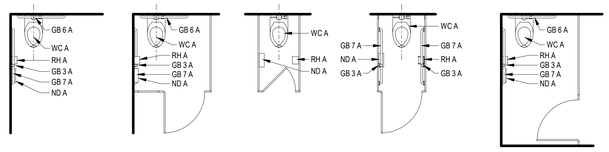


NOTE:
1. REFER TO INTERIOR DRAWINGS FOR LOCKER DETAILS

3 ENLARGED RESTROOMS (B148, B149)

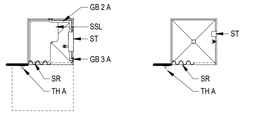
SCALE: 1/4" = 1'-0"

1. REFER TO A7 SERIES SHEETS FOR LOCKER TYPES. LOCATIONS AND DETAILS



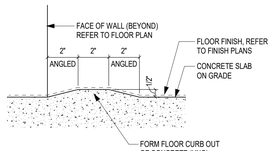
TOILET STALL TS-1 | **TOILET STALL TS-2** | **TOILET STALL TS-3** | **TOILET STALL TS-4** | **TOILET STALL TS-5**

NOTES:
1. NAPKIN DISPOSAL LOCATED IN WOMENS RESTROOMS ONLY
2. REFER TO PLAN FOR TOILET PARTITION CONFIGURATION



SHOWER STALL SH-1 | **SHOWER STALL SH-2**

NOTES:
1. REFER TO FLOOR CURB DETAIL THIS SHEET FOR SHOWER TO FLOOR TRNASITION

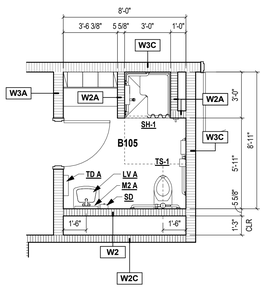


FLOOR CURB

SCALE: 3" = 1'-0"

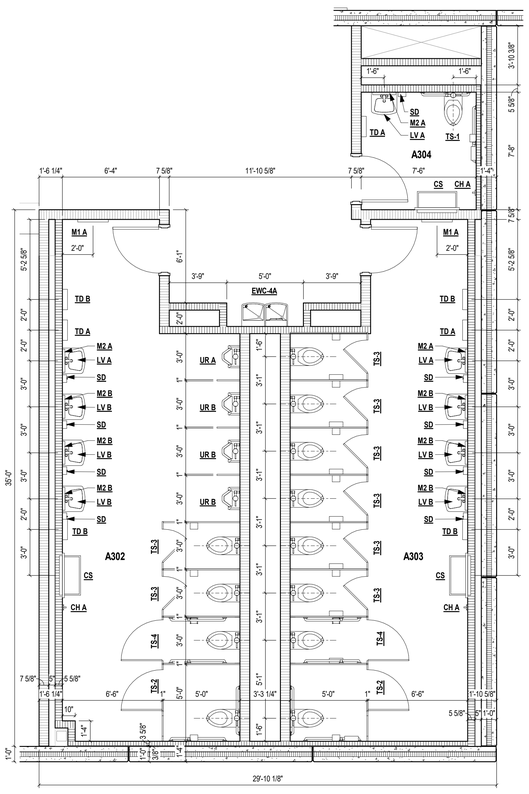
TOILET AND SHOWER STALL LEGEND

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



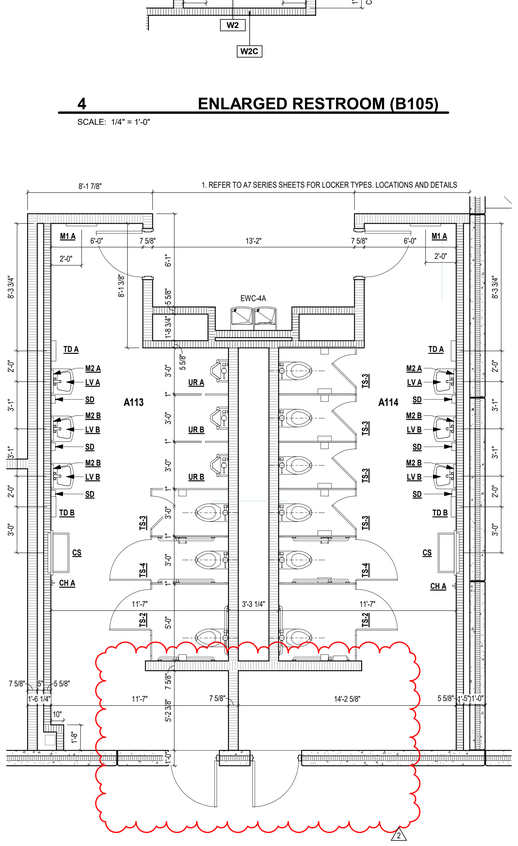
4 ENLARGED RESTROOM (B105)

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



2 ENLARGED RESTROOMS (A302, A303, A304)

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



1 ENLARGED RESTROOMS (A113, A114)

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

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S.

ARCHITECTURAL PLAN NOTES (X)

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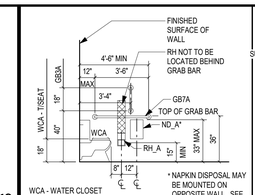
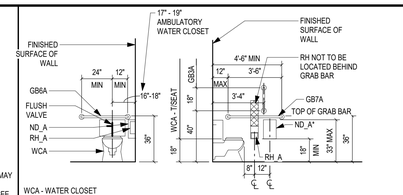
WATER CLOSETS AND ACCESSORIES



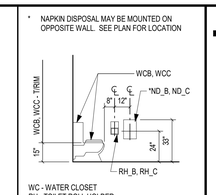
WCA - WATER CLOSET
GB_A - GRAB BAR
RH_A - TOILET ROLL HOLDER
ND_A - SANITARY NAPKIN DISPOSAL

AMBULATORY ADULT ADA WATER CLOSETS



WCA - WATER CLOSET
GB_A - GRAB BAR
RH_A - TOILET ROLL HOLDER
ND_A - SANITARY NAPKIN DISPOSAL

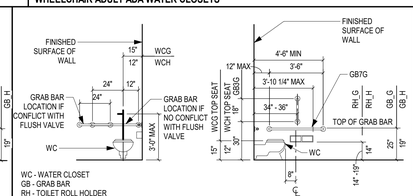
WHEELCHAIR ADULT ADA WATER CLOSETS



WC - WATER CLOSET
RH - TOILET ROLL HOLDER
ND - SANITARY NAPKIN DISPOSAL

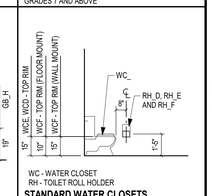
STANDARD WATER CLOSETS
GRADES 7 AND ABOVE

AMBULATORY CHILDREN'S ADA WATER CLOSETS



WC - WATER CLOSET
GB - GRAB BAR
RH - TOILET ROLL HOLDER

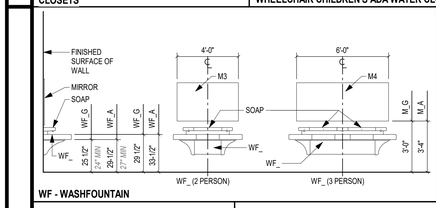
WHEELCHAIR CHILDREN'S ADA WATER CLOSETS



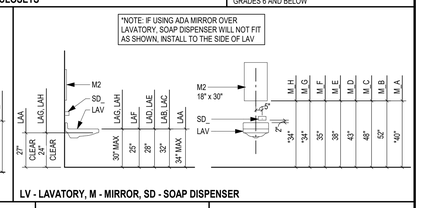
WC - WATER CLOSET
RH - TOILET ROLL HOLDER

STANDARD WATER CLOSETS
GRADES 6 AND BELOW

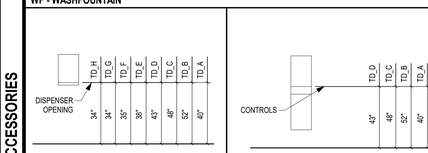
RESTROOM FIXTURES AND ACCESSORIES



WF - WASHFOUNTAIN

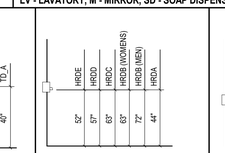


LV - LAVATORY, M - MIRROR, SD - SOAP DISPENSER

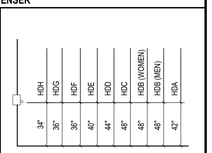


TD - PAPER TOWEL DISPENSER

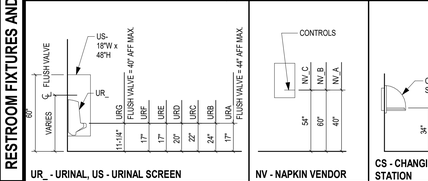
TD - PAPER TOWEL DISPENSER/DISPOSAL



HRD - HAIR DRYER

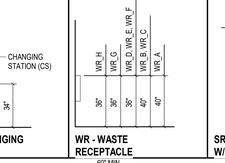


HD - HAND DRYER



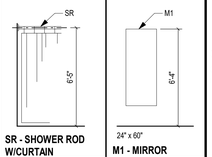
UR_ - URINAL, US - URINAL SCREEN

NV - NAPKIN VENDOR



CS - CHANGING STATION

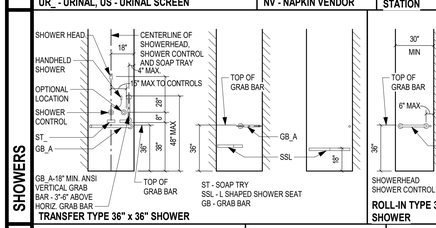
WR - WASTE RECEPTACLE



SR - SHOWER ROD W/CURTAIN

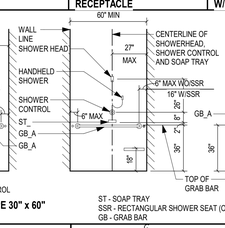
M1 - MIRROR

SHOWERS



TRANSFER TYPE 36" x 36" SHOWER

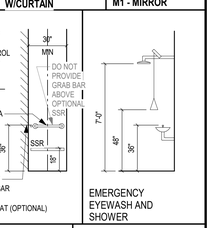
ST - SOAP TRY
SSL - L SHAPED SHOWER SEAT
GB - GRAB BAR



SHOWERHEAD
SHOWER CONTROL

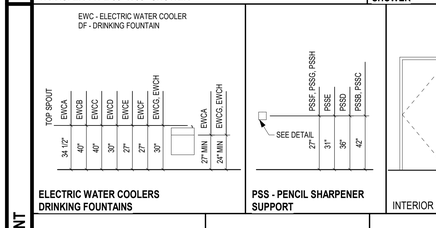
ROLL-IN TYPE 30" x 60" SHOWER

ST - SOAP TRAY
SSR - RECTANGULAR SHOWER SEAT (OPTIONAL)
GB - GRAB BAR



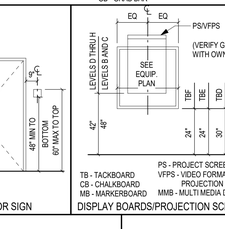
EMERGENCY EYEWASH AND SHOWER

OTHER MISC. EQUIPMENT

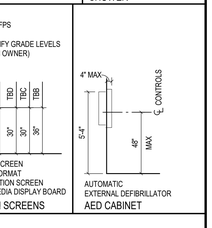


HS - HAT SHELF AND HANGER ROD

CH - COAT HOOKS AND BOARD



TH - TOWEL HOOKS AND BOARD



FEC
FIRE EXT. CABINET

FE
FIRE EXTINGUISHER

FIRE EXTINGUISHERS

MH - MOP HOLDERS

MOUNTING HEIGHT NOTES:

1. MOUNTING HEIGHTS ARE BASED UPON THE FOLLOWING: TOILET, BATH AND LAUNDRY EQUIPMENT (ACCESSORIES), BOBRICK WASHROOM EQUIPMENT, INC. ; LAVATORIES, URINALS AND WATER CLOSETS, AMERICAN STANDARD, INC. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THE MOUNTING HEIGHTS OF TOILET ACCESSORIES SUPPLIED BY OTHER MANUFACTURERS.
2. MOUNTING HEIGHT DRAWING INDICATES A TWO PIECE GRAB BAR. GRAB BAR MAY BE A ONE PIECE OR A TWO PIECE GRAB BAR. REFER TO SPECIFICATIONS FOR SPECIFIC TYPE OF GRAB BAR TO BE USED.
3. UNDERSCORE (_) REFER TO ENLARGED PLANS FOR MISSING NUMBER IDENTIFYING THE SPECIFIC TYPE OF TOILET ACCESSORY

GRAB BAR SCHEDULE
(ALL SIZES MAY NOT BE USED ON THIS PROJECT)

GB1 - 36" x 54" TWO WALL
GB2 - 36"x36" TWO WALL
GB3 - 18" STRAIGHT
GB4 - 24" STRAIGHT
GB5 - 30" STRAIGHT
GB6 - 36" STRAIGHT
GB7 - 42" STRAIGHT
GB8 - 48" STRAIGHT

MIRROR SCHEDULE
(ALL SIZES MAY NOT BE USED ON THIS PROJECT)

M1 - 24"W x 60"H
M2 - 18"W x 30"H
M3 - 48"W x 30"H
M4 - 60"W x 30"H

SAMPLE TOILET ACCESSORY LABELING:

RH1A

RH INDICATES TOILET ACCESSORY NAME (RH = TOILET ROLL HOLDER
1 INDICATES TOILET ACCESSORY TYPE WHEN MORE THAN ONE TYPE IS SPECIFIED (IF NO NUMBER IS USED, ONLY ONE TYPE IS SPECIFIED)
A INDICATES THE GRADE LEVEL, WHICH DETERMINES THE MOUNTING HEIGHT

WCA INDICATES PLUMBING FIXTURE AT MOUNTING HEIGHT "A". REFER TO PLUMBING DRAWINGS FOR PLUMBING FIXTURE SCHEDULE

GRADE LEVEL LEGEND:

A. ADULT ACCESSIBLE (ADA) HEIGHTS (GRADES 7 AND ABOVE)
B. GRADES 9 AND ABOVE (ADULTS)
C. GRADES 7-8
D. GRADES 4-6
E. GRADES 1-3
F. PRESCHOOL-KINDERGARTEN
G. CHILDREN'S ACCESSIBLE (ADA) HEIGHTS (K-6)
H. CHILDREN'S ACCESSIBLE (ADA) HEIGHTS (PRESCHOOL)

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JEFFERSONVILLE, IN 47130

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ENLARGED TOILET ROOM AND LOCKER PLANS

A1.31

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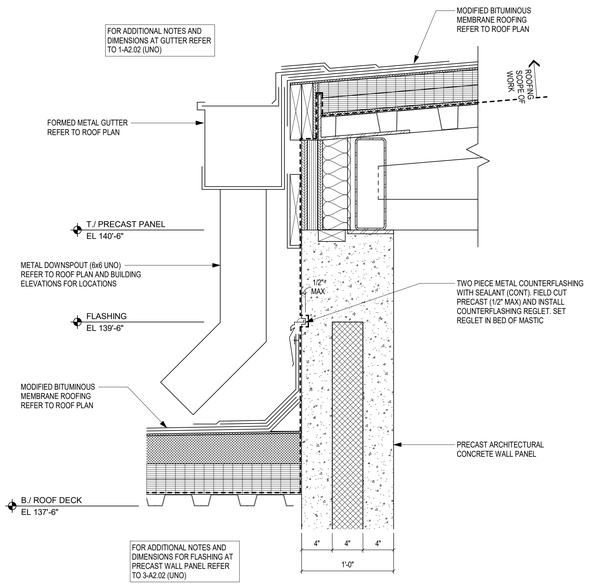
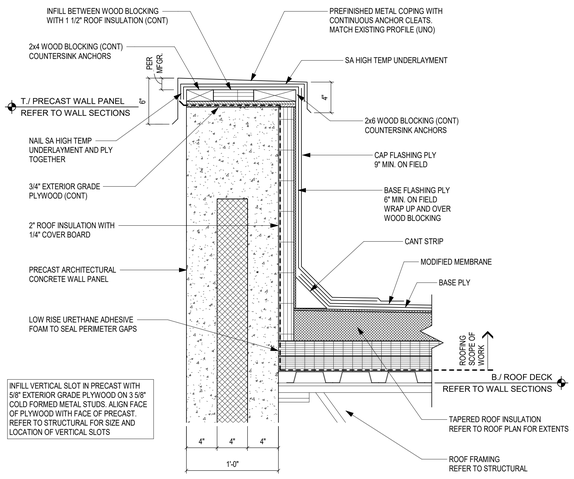
1/17/2024 4:28:16 PM



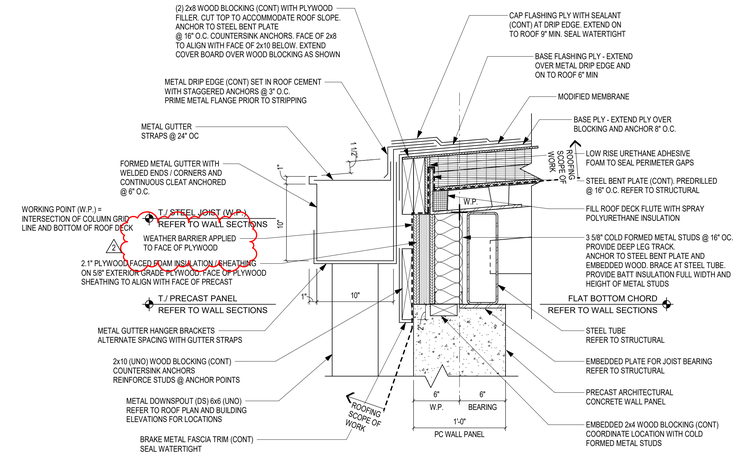
7 DETAIL

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



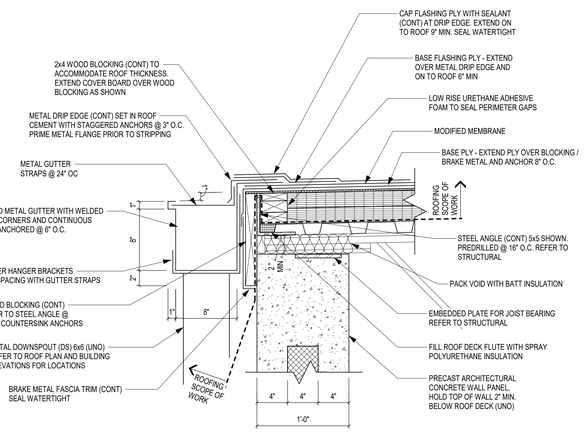
4 DETAIL

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



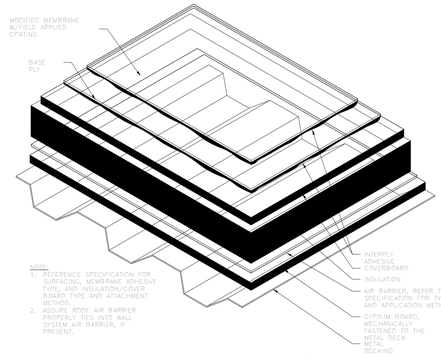
1 DETAIL

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



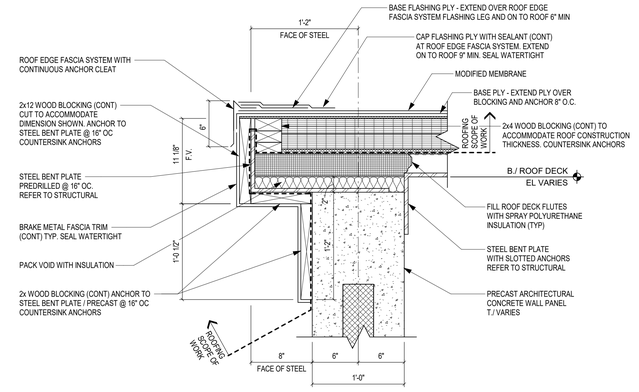
8 DETAIL

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



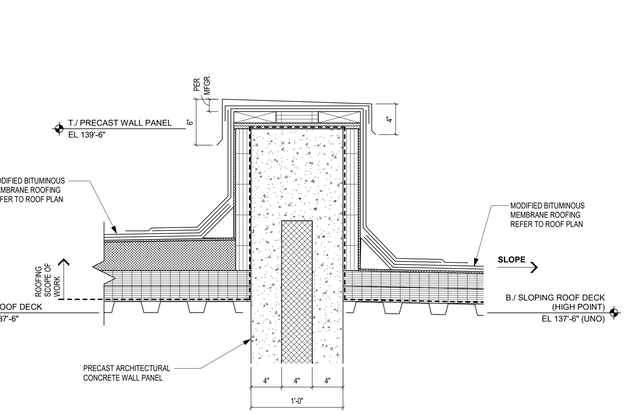
5 TYPICAL ROOF SYSTEM (COATED SURFACE)

SCALE: 3" = 1'-0"



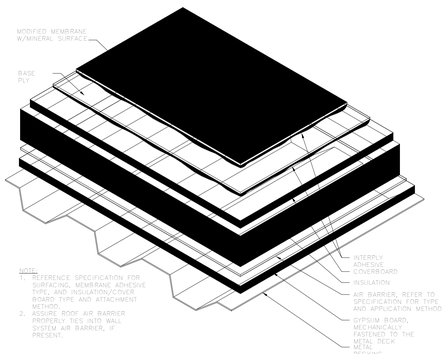
2 DETAIL (GABLE TRIM)

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



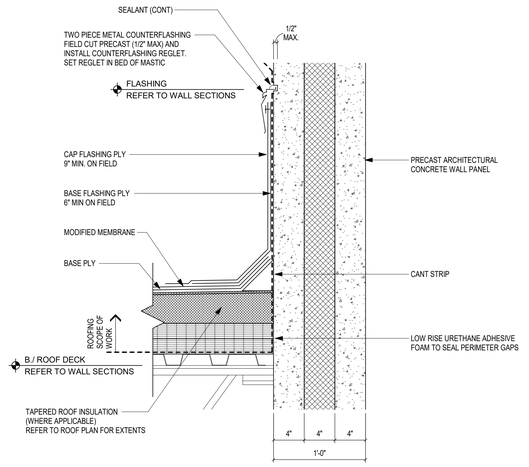
9 DETAIL

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



6 TYPICAL ROOF SYSTEM (MINERAL SURFACE)

SCALE: 3" = 1'-0"



3 DETAIL

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

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ROOF DETAILS

A2.02

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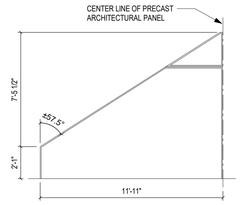
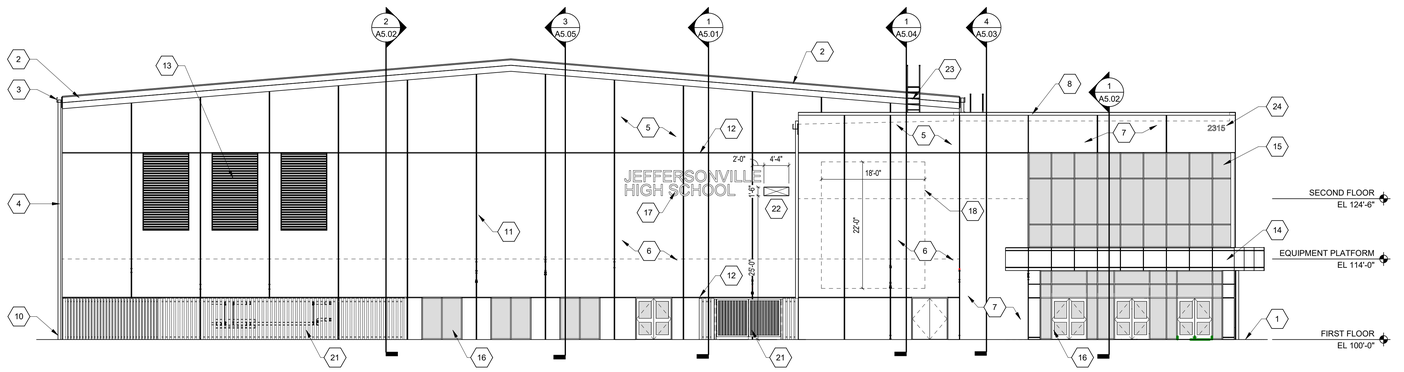


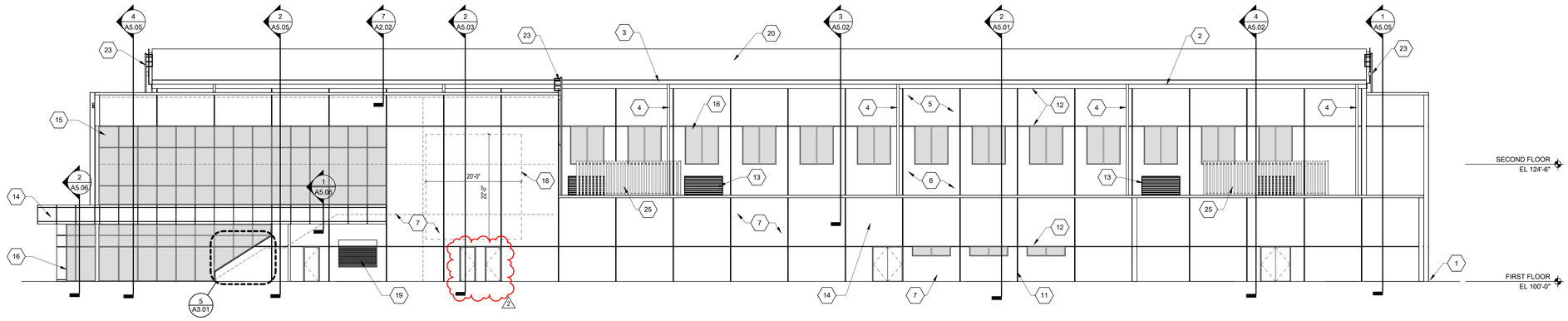
5 ENLARGED P.A.C. ELEV

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



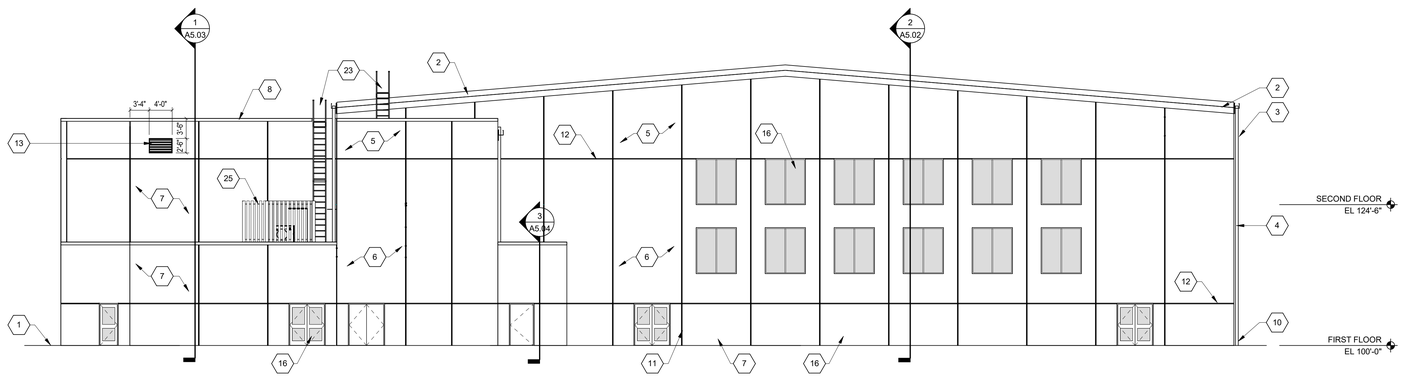
1 BLDG ELEV - WEST

SCALE: 3/32" = 1'-0"



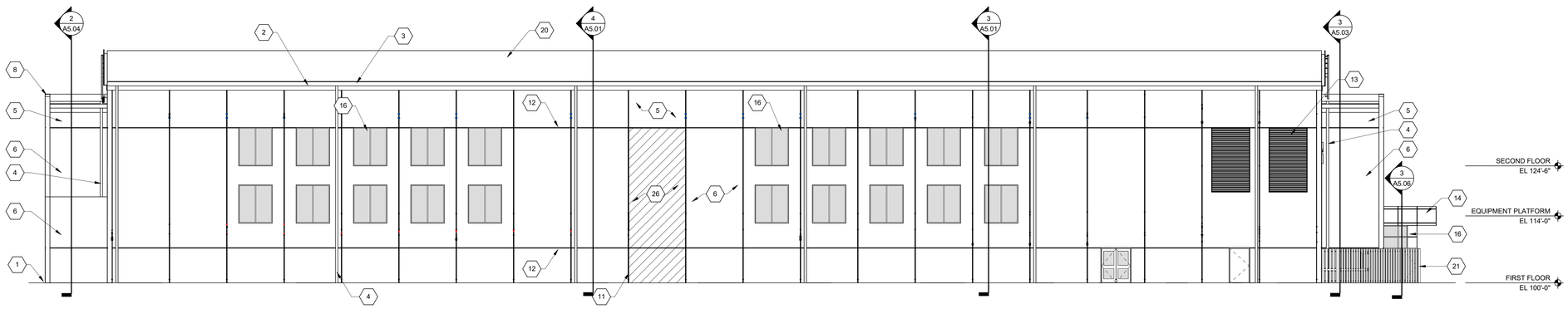
2 BLDG ELEV - SOUTH

SCALE: 3/32" = 1'-0"



3 BLDG ELEV - EAST

SCALE: 3/32" = 1'-0"



4 BLDG ELEV - NORTH

SCALE: 3/32" = 1'-0"

ELEVATION GENERAL NOTES

1. REFER TO THE ELECTRICAL AND TECHNOLOGY DRAWINGS FOR CAMERA, LOCATIONS, SECURITY DEVICES, RECEPTACLES, LIGHT FIXTURES, ETC. COORDINATE LOCATIONS WITH VENEER COURSING TO PROVIDE CONSISTENT MOUNTING HEIGHTS.
2. REFER TO PLUMBING DRAWINGS FOR EXTERIOR WALL HYDRANTS, SECONDARY ROOF DRAIN OUTLETS, ETC. COORDINATE PENETRATIONS THROUGH EXTERIOR ENVELOPE WITH OTHER TRADES. PROVIDE TRANSITION MEMBRANE TO MAINTAIN AIR BARRIER SYSTEM.
3. REFER TO MECHANICAL DRAWINGS FOR EXTERIOR LOUVER LOCATIONS LOCATED IN EXTERIOR WALL AND EXTERIOR SOFFITS. COORDINATE PENETRATIONS THROUGH EXTERIOR ENVELOPE WITH OTHER TRADES. PROVIDE TRANSITION MEMBRANE TO MAINTAIN AIR BARRIER SYSTEM.

BUILDING ELEVATION NOTES

(ALL NOTES MAY NOT BE INDICATED ON THIS SHEET)

NO.	DESCRIPTION
1	APPROXIMATE FINISHED GRADE. REFER TO CIVIL DRAWINGS.
2	METAL FASCIA.
3	METAL GUTTER.
4	METAL DOWNSPOUT.
5	PRECAST ARCHITECTURAL CONCRETE. PAINT COLOR A.
6	PRECAST ARCHITECTURAL CONCRETE. PAINT COLOR B.
7	PRECAST ARCHITECTURAL CONCRETE. PAINT COLOR C.
8	METAL COPING.
10	DOWNSPOUT BOOT. REFER TO CIVIL DRAWINGS.
11	VERTICAL PRECAST CONCRETE PANEL JOINT, TYP.
12	HORIZONTAL PRECAST CONCRETE REVEAL. REFER TO WALL SECTIONS, A5 SERIES DRAWINGS
13	ALUMINUM FIXED LOUVER. FINISH COLOR TO MATCH ADJACENT PRECAST
14	METAL PANEL CANOPY. TYP.
15	CURTAIN WALL SYSTEM. REFER TO PLANS AND WALL SECTIONS FOR ADDITIONAL INFORMATION.
16	ALUMINUM STOREFRONT SYSTEM. REFER TO PLANS AND WALL SECTIONS FOR ADDITIONAL INFORMATION.
17	NON-ILLUMINATED CAST BUILDING LETTERS. 24" HIGH.
18	SCHOOL LOGO
19	COILING COUNTER DOOR.
20	MODIFIED BITUMINOUS MEMBRANE ROOFING. REFER TO ROOF PLAN.
21	EQUIPMENT SCREEN. REFER TO CIVIL DRAWINGS.
22	PRECAST OPENING, REFER TO ARCHITECTURAL PLANS
23	ROOF ACCESS LADDER, REFER TO ROOF PLAN.
24	NON-ILLUMINATED TALL CAST BUILDING ADDRESS. 12" HIGH.
25	EQUIPMENT SCREEN. REFER TO ROOF PLAN.
26	HATCHED AREA REPRESENTS PRECAST ARCHITECTURAL CONCRETE TO BE LEFT OUT FOR ACCESS DURING CONSTRUCTION.

VERIFICATION NOTE

CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CLEARANCES AND ALL EXISTING FIELD CONDITIONS BEFORE STARTING CONSTRUCTION. COMMENCEMENT OF WORK CONSTITUTES ACCEPTANCE OF CONDITIONS.

SHOULD DIFFERENT CONDITIONS BE ENCOUNTERED, CONTACT THE ARCHITECT BEFORE PROCEEDING WITH WORK.

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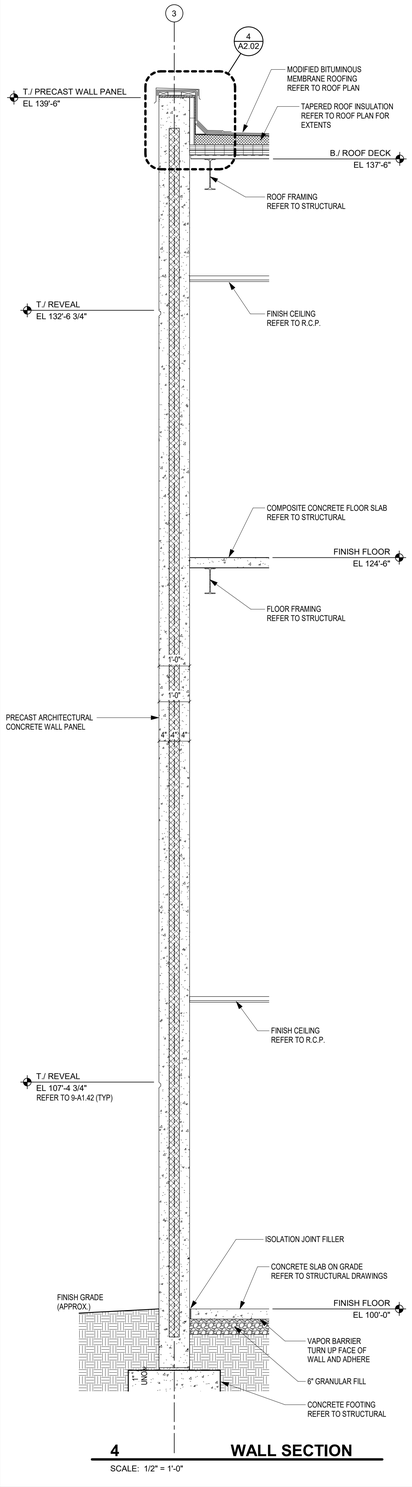
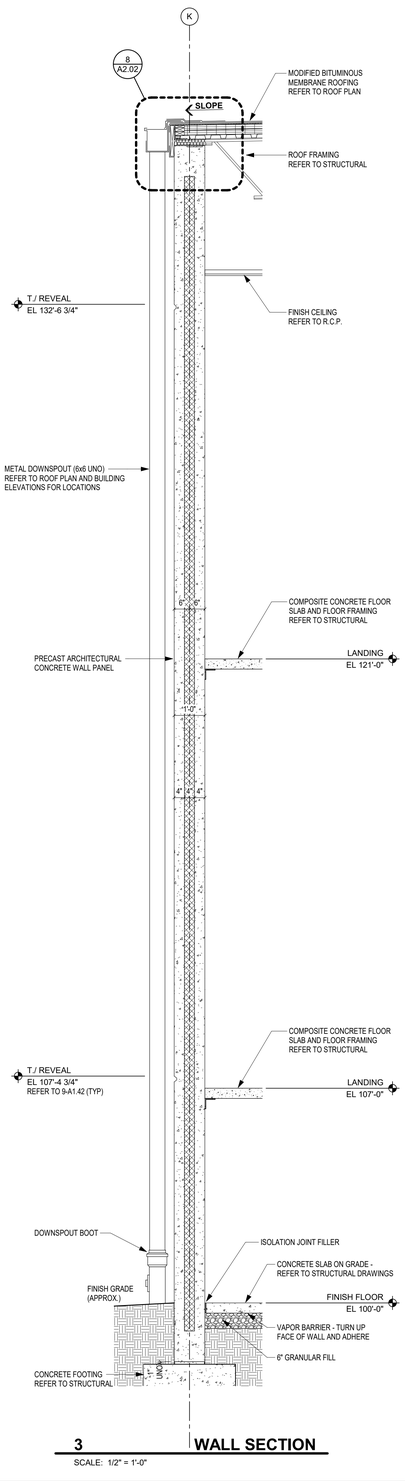
BUILDING ELEVATIONS

A3.01



4 **WALL SECTION**

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



3 **WALL SECTION**

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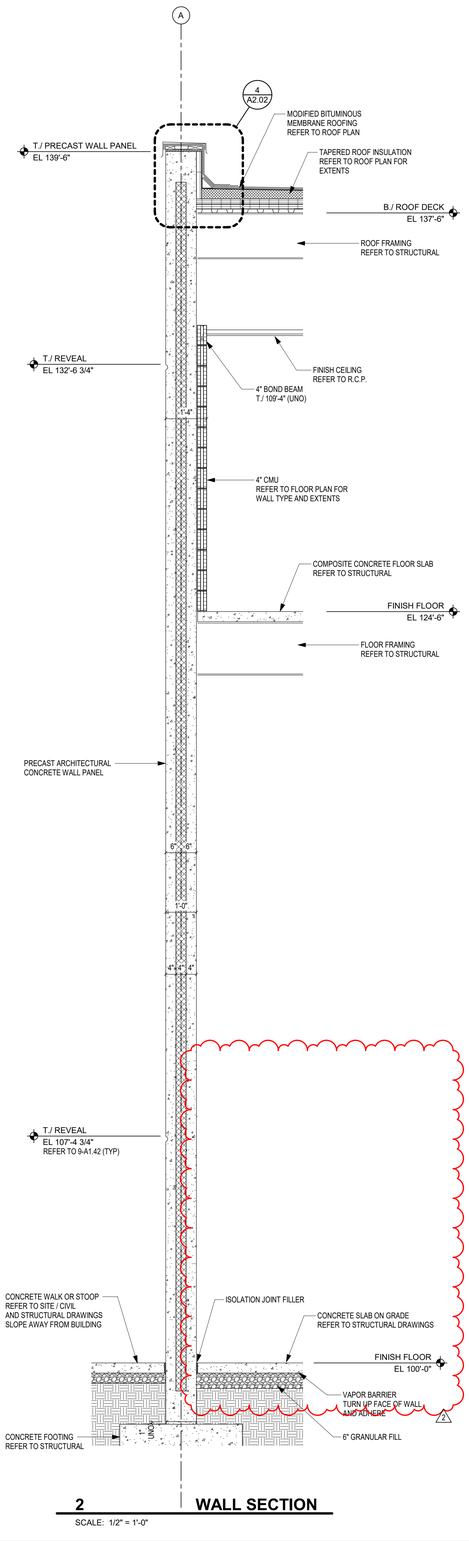
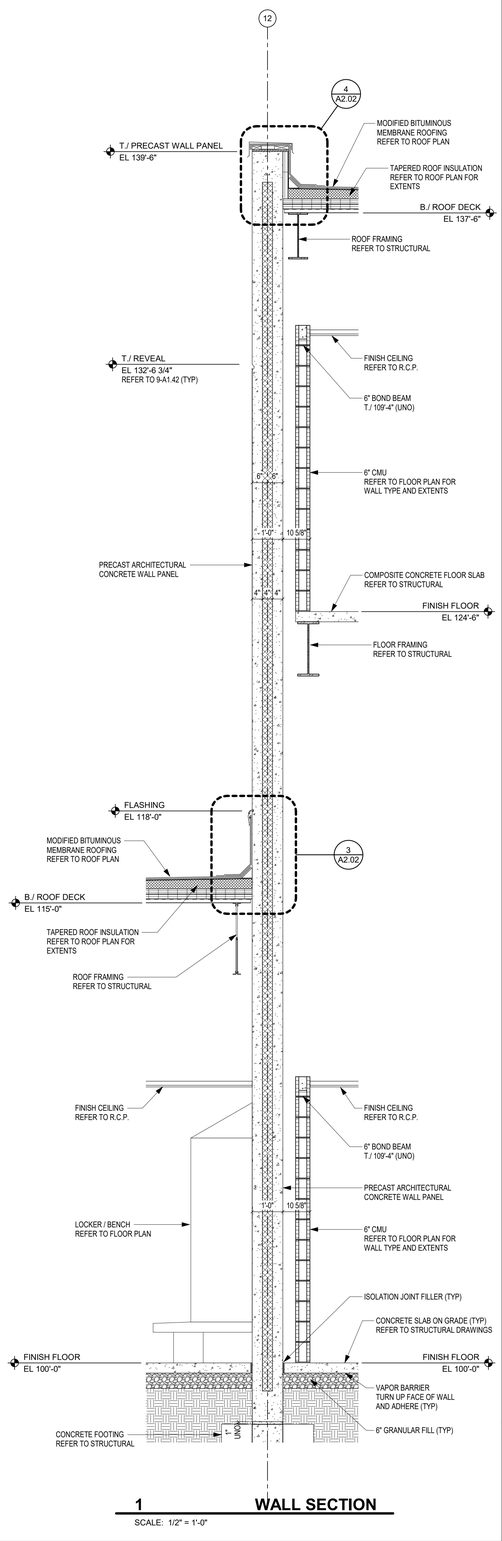


2 **WALL SECTION**

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



1 **WALL SECTION**

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

GENERAL NOTES

A. COORDINATE ALL LINTEL AND BOND BEAM REQUIREMENTS WITH STRUCTURAL DRAWINGS AND PROJECT MANUAL.
B. REFER TO THE STRUCTURAL DRAWINGS FOR ALL FOUNDATION AND FOOTING CONDITIONS.
C. PROVIDE HORIZONTAL JOINT REFINFORCING, TIES, AND OTHER ANCHORAGE/REINFORCEMENT ITEMS AS REQUIRED PER PROJECT MANUAL.
D. ROOF TO EXTERIOR WALL JUNCTIONS: REFER TO DIVISION 07 SECTION "THERMAL INSULATION" FOR SPRAY POLYURETHANE INSULATION REQUIRED AT THESE LOCATIONS.
E. WALL INSULATION PENETRATIONS: PROVIDE SPRAY POLYURETHANE INSULATION OR SEALANT AROUND ALL PENETRATIONS OF THE WALL INSULATION BY PIPING, CONDUITS, FRAMING, STRUCTURE, ETC.

VERIFICATION NOTE

CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CLEARANCES AND ALL EXISTING FIELD CONDITIONS BEFORE STARTING CONSTRUCTION. COMMENCEMENT OF WORK CONSTITUTES ACCEPTANCE OF CONDITIONS.

SHOULD DIFFERENT CONDITIONS BE ENCOUNTERED, CONTACT THE ARCHITECT BEFORE PROCEEDING WITH WORK.

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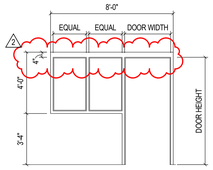
WALL SECTIONS

A5.03



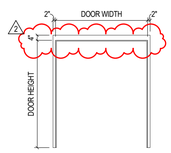
HM5

NOT USED

HM4

NOT USED

HM3



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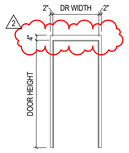
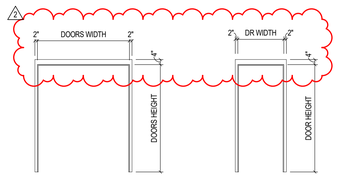


HM1



AL2

AL1

DOORS TO RECEIVE FIXED CENTER MULLION:
A120A, A120B, A126
B101A, B144A, B144B, B150

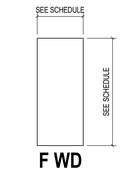
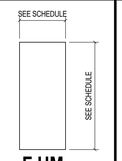
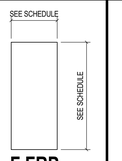
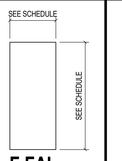
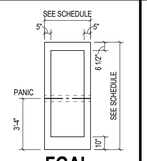
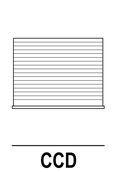
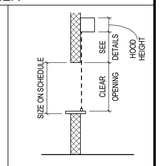
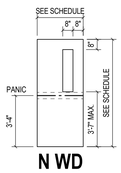
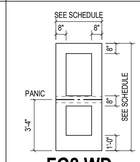
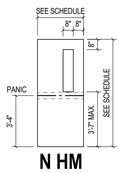
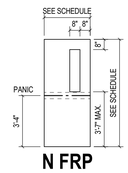
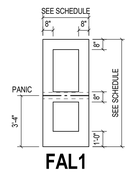
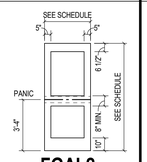
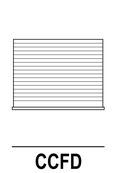
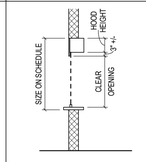
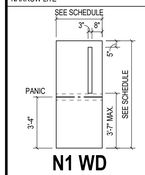
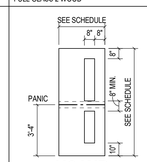
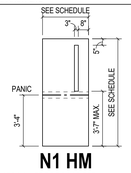
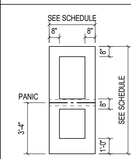
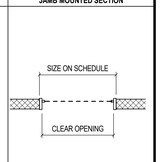
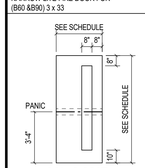
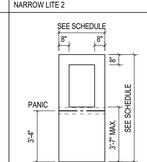
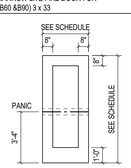
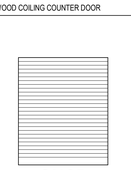
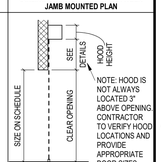
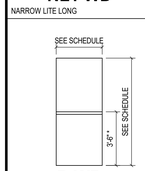
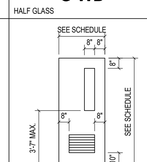
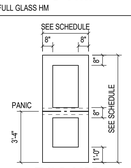
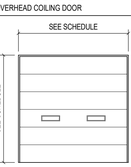
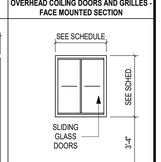
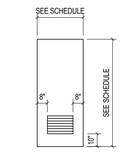
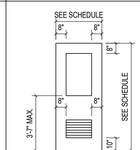
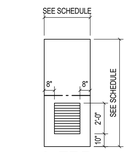
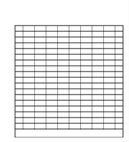
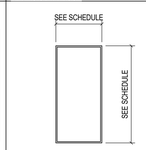
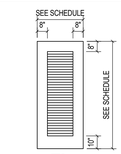
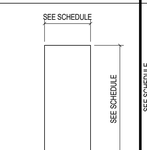
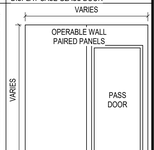
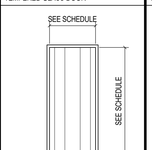
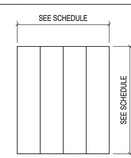
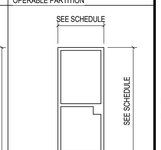
FRAME ELEVATIONS

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

ALL DIMENSIONS SHOWN ARE NOMINAL (UNO)
FIELD VERIFY ALL DIMENSIONS PRIOR TO FABRICATION / INSTALLATION. REFER TO FLOOR PLAN AND DOOR AND FRAME SCHEDULE FOR ADDITIONAL INFORMATION

DOOR TYPES

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

WOOD DOORS	HM DOORS	FRP DOORS	FLUSH ALUM. DOORS	ALUMINUM DOORS	OTHER
 F WD — FLUSH DOOR	 F HM — FLUSH DOOR	 F FRP — FLUSH DOOR	 F FAL — FLUSH DOOR	 FGAL — FULL GLASS	 CCD — COILING COUNTER DOOR;  COILING COUNTER DOORS -FACE MOUNTED SECTION
 N WD — NARROW LITE;  FG2 WD — FULL GLASS 2 WOOD	 N HM — NARROW LITE	 N FRP — NARROW LITE	 FAL1 — FULL GLASS 2	 FGAL2 — FULL GLASS 2	 CCFD — COILING COUNTER FIRE DOOR;  COILING COUNTER DOORS -BETWEEN JAMB MOUNTED SECTION
 N1 WD — NARROW LITE FIRE DOOR FOR (B60 &B90) 3 x 33;  N2 WD — NARROW LITE 2	 N1 HM — NARROW LITE FIRE DOOR FOR (B60 &B90) 3 x 33	 FRP1			 WCCD — WOOD COILING COUNTER DOOR;  COILING COUNTER DOORS -BETWEEN JAMB MOUNTED PLAN
 NL1 WD — NARROW LITE LONG;  G WD — HALF GLASS	 FG HM — FULL GLASS HM				 OHCD — OVERHEAD COILING DOOR;  OVERHEAD COILING DOORS AND GRILLES - FACE MOUNTED SECTION
 D WD — DUTCH DOOR;  NL WD* — NARROW LITE AND LOUVER	 FG2 HM — FULL GLASS 2 HM				 SOHD — SECTIONAL OVERHEAD DOOR;  SGD — SLIDING GLASS DOOR
 L WD* — BOTTOM LOUVERED;  GL WD* — HALF GLASS LOUVERED	 L FRP — BOTTOM LOUVERED				 OHCG — OVERHEAD COILING GRILLE;  DCGD — DISPLAY CASE GLASS DOOR
 FL — FULL LOUVERED			 TGD — TEMPERED GLASS DOOR	 OHCFD — OVERHEAD COILING FIRE DOOR;  OP — OPERABLE PARTITION	
			 RDD — REVOLVING DARKROOM DOOR	 BF — BI-FOLD DOOR	 WMP — WIRE MESH PARTITION DOOR

1. THE BOTTOM OF GLASS LITES FOR ALL DOORS, EXCEPT FULL GLASS DOORS (I.E. FG, N2), MUST BE AT A MINIMUM OF 43" ABOVE FINISH FLOOR TO ALLOW FOR EXIT DEVICE MOUNTING. THIS LOCATION WILL ELIMINATE GLASS AND EXIT DEVICE INTERFERENCE. IT WILL ALSO ELIMINATE THE USE OF EXIT DEVICE SHIM KITS TO RAISE THE DEVICE OVER THE GLASS BEAD.
2. THE TOP DOOR RAIL DIMENSIONS, AS SHOWN ON THE DOOR TYPES, ARE REQUIRED FOR MOUNTING CLOSERS WITHOUT THE USE OF A DROP PLATE. THESE DIMENSIONS WILL ALSO PREVENT THE CLOSERS FROM BEING SEEN THROUGH THE GLASS ON THE OUTSIDE.
3. THE BOTTOM DOOR RAIL HEIGHT DIMENSION SHALL BE 10" TO CONFORM WITH VARIOUS STATE A.D.A. BARRIER FREE CODES.
4. THE STANDARD MOUNTING HEIGHT FOR EXIT DEVICES IS 40" TO CENTERLINE ABOVE FINISH FLOOR.
5. GLASS LITE SIZE, AREA AND LOCK-TO-LITE CUTOUTS, AS SHOWN ON DOOR TYPES, CONFORM WITH MANUFACTURERS LIFETIME WARRANTY AND FIRE RATED REQUIREMENTS.

JEFFERSONVILLE HIGH SCHOOL NATATORIUM

2315 ALLISON LN.
JEFFERSONVILLE, IN 47130

GREATER CLARK COUNTY SCHOOLS

GCCS

ARCHITECT

FANNING HOWEY

317-848-0966 WWW.FHAI.COM
350 EAST NEW YORK ST.

ISSUED FOR CONSTRUCTION

PAUL A. MILLER REGISTERED No. AR10800161 STATE OF INDIANA ARCHITECT

PROJECT MANAGER: JM
DRAWN BY: BMD MDM
PROJECT NUMBER: 222038.00
PROJECT ISSUE DATE: 11/20/2023

REV. NO.	DESCRIPTION	DATE
2	ADDENDUM #3	01/17/2024

DOOR TYPES / FRAME ELEVATIONS

A6.01

DOOR AND FRAME SCHEDULE - A2

DOOR NUMBER	DOORS		FRAME			DETAILS			FIRE RATING IN MINS.	HARDWARE		STC RATING	REMARKS	DOOR NUMBER
	DOOR SIZE (WxH)	DOOR TYPE	FRAME MATERIAL	FRAME ELEVATION	JAMB DEPTH	HEAD	JAMB	SILL		SET NO.	KEYSIDE ROOM			
A204	PR 3'-0" x 7'-0"	F WD	HM	HM2	4 1/2"	19-A6.03	20-A6.03	-	-	18.0	A204	-		A204

DOOR AND FRAME SCHEDULE - B2

DOOR NUMBER	DOORS		FRAME			DETAILS			FIRE RATING IN MINS.	HARDWARE		STC RATING	REMARKS	DOOR NUMBER
	DOOR SIZE (WxH)	DOOR TYPE	FRAME MATERIAL	FRAME ELEVATION	JAMB DEPTH	HEAD	JAMB	SILL		SET NO.	KEYSIDE ROOM			
B202	PR 3'-0" x 7'-0"	F FRP	AL	AL2	4 1/2"	4-A6.03	5-A6.03	-	-	12.0	B202	-		B202
B203	PR 3'-0" x 7'-0"	F WD	HM	HM2	4 1/2"	19-A6.03	20-A6.03	-	-	19.0	B203	-		B203
B204	PR 3'-0" x 7'-0"	F WD	HM	HM2	8 3/4"	1-A6.03	2-A6.03	-	-	18.0	B202	50		B204

DOOR AND FRAME SCHEDULE - A3

DOOR NUMBER	DOORS		FRAME			DETAILS			FIRE RATING IN MINS.	HARDWARE		STC RATING	REMARKS	DOOR NUMBER
	DOOR SIZE (WxH)	DOOR TYPE	FRAME MATERIAL	FRAME ELEVATION	JAMB DEPTH	HEAD	JAMB	SILL		SET NO.	KEYSIDE ROOM			
A302	3'-0" x 7'-0"	F WD	HM	HM1	8 3/4"	1-A6.03	2-A6.03	-	-	42.0	A302	-		A302
A303	3'-0" x 7'-0"	F WD	HM	HM1	8 3/4"	1-A6.03	2-A6.03	-	-	42.0	A303	-		A303
A304	3'-0" x 7'-0"	F WD	HM	HM1	8 3/4"	1-A6.03	2-A6.03	-	-	36.0	A304	-		A304
A307A	8'-0" x 4'-4"	CCD	SS	-	2"	11-A6.03	12-A6.03	13-A6.03	-	45.0		-		A307A
A307B	3'-0" x 7'-0"	F WD	HM	HM1	8 3/4"	1-A6.03	2-A6.03	-	-	27.0	A305	-		A307B
A308	3'-0" x 7'-0"	F WD	HM	HM1	8 3/4"	1-A6.03	2-A6.03	-	-	26.0	A308	-		A308
A309	PR 3'-0" x 7'-0"	F WD	HM	HM2	4 1/2"	19-A6.03	20-A6.03	-	-	19.0	A309	-		A309
A310A	PR 3'-0" x 7'-0"	FGAL2	AL	AL2	4 1/2"	17-A6.03	18-A6.03	-	-	14.0	A305	-		A310A
A310B	PR 3'-0" x 7'-0"	FGAL2	AL	AL2	4 1/2"	19-A6.03	20-A6.03	-	-	13.1	A301	-		A310B
A310C	PR 3'-0" x 7'-0"	FGAL2	AL	AL2	4 1/2"	19-A6.03	20-A6.03	-	-	13.0	A301	-		A310C
A310D	PR 3'-0" x 7'-0"	FGAL2	AL	AL2	4 1/2"	19-A6.03	20-A6.03	-	-	13.0	A301	-		A310D

DOOR AND FRAME SCHEDULE - B3

DOOR NUMBER	DOORS		FRAME			DETAILS			FIRE RATING IN MINS.	HARDWARE		STC RATING	REMARKS	DOOR NUMBER
	DOOR SIZE (WxH)	DOOR TYPE	FRAME MATERIAL	FRAME ELEVATION	JAMB DEPTH	HEAD	JAMB	SILL		SET NO.	KEYSIDE ROOM			
B303	PR 3'-0" x 7'-0"	F FRP	AL	AL2	4 1/2"	19-A6.03	20-A6.03	-	-	19.0	B303	-		B303

DOOR AND FRAME SCHEDULE - A1

DOOR NUMBER	DOORS		FRAME			DETAILS			FIRE RATING IN MINS.	HARDWARE		STC RATING	REMARKS	DOOR NUMBER
	DOOR SIZE (WxH)	DOOR TYPE	FRAME MATERIAL	FRAME ELEVATION	JAMB DEPTH	HEAD	JAMB	SILL		SET NO.	KEYSIDE ROOM			
A101A	PR 3'-0" x 7'-2"	FGAL2	AL	CW1	7 1/4"	1-A5.02	13-A1.42	10-A6.03 24-A6.03	-	3.0	EXT	-	REMOVABLE MULLION	A101A
A101B	PR 3'-0" x 7'-2"	FGAL2	AL	CW1	7 1/4"	1-A5.02	13-A1.42	10-A6.03 24-A6.03	-	1.0	EXT	-		A101B
A101C	PR 3'-0" x 7'-2"	FGAL2	AL	CW1	7 1/4"	1-A5.02	13-A1.42	10-A6.03 24-A6.03	-	1.0	EXT	-		A101C
A101D	PR 3'-0" x 7'-2"	FGAL2	AL	CW3	7 1/4"	1-A5.02	27-A6.03	24-A6.03	-	16.0	EXT	-		A101D
A101E	PR 3'-0" x 7'-2"	FGAL2	AL	CW3	7 1/4"	1-A5.02	27-A6.03	24-A6.03	-	15.0	EXT	-		A101E
A101F	PR 3'-0" x 7'-2"	FGAL2	AL	CW3	7 1/4"	1-A5.02	27-A6.03	24-A6.03	-	15.0	EXT	-		A101F
A105	3'-0" x 7'-0"	F WD	HM	HM1	8 3/4"	1-A6.03	2-A6.03	-	-	27.0	A103	-		A105
A106	3'-0" x 7'-0"	F WD	HM	HM1	8 3/4"	1-A6.03	2-A6.03	-	-	20.0	A103	-	PANIC HARDWARE	A106
A107	3'-0" x 7'-0"	F WD	HM	HM1	8 3/4"	1-A6.03	2-A6.03	-	-	27.0	A103	-		A107
A108	3'-0" x 7'-0"	F WD	HM	HM1	8 3/4"	1-A6.03	2-A6.03	-	-	23.0	A109	-		A108
A110	PR 3'-0" x 7'-0"	FG2 WD	HM	HM2	8 3/4"	1-A6.03	2-A6.03	-	-	17.0		-		A110
A111	3'-0" x 7'-0"	F WD	HM	HM1	8 3/4"	1-A6.03	2-A6.03	-	-	31.0	A111	-		A111
A112	3'-0" x 7'-0"	F WD	HM	HM1	8 3/4"	1-A6.03	2-A6.03	-	-	28.0	A112	-		A112
A113A	3'-0" x 7'-0"	F WD	HM	HM1	8 3/4"	1-A6.03	2-A6.03	-	-	40.0	A113	-		A113A
A113B	3'-0" x 7'-0"	F HM	HM	HM1	4 1/2"	1-A6.04	2-A6.04	-	-	10.0	EXT	-		A113B
A114A	3'-0" x 7'-0"	F WD	HM	HM1	8 3/4"	1-A6.03	2-A6.03	-	-	40.0	A114	-		A114A
A114B	3'-0" x 7'-0"	F HM	HM	HM1	4 1/2"	1-A6.04	2-A6.04	-	-	10.0	EXT	-		A114B
A116A	8'-0" x 4'-4"	CCD	SS	-	2"	11-A6.03	12-A6.03	13-A6.03	-	45.0	A116	-		A116A
A116B	3'-0" x 7'-0"	F WD	HM	HM1	8 3/4"	1-A6.03	2-A6.03	-	-	23.1	A116	-		A116B
A116C	8'-0" x 5'-8"	CCD	SS	-	2"	14-A6.03	15-A6.03	16-A6.03	-	45.0	A116	-		A116C
A116D	3'-0" x 7'-0"	F HM	HM	HM1	4 1/2"	19-A6.03	20-A6.03	10-A6.03	-	7.0	EXT	-		A116D
A118A	PR 3'-0" x 7'-0"	FG2 WD	HM	HM2	8 3/4"	1-A6.03	2-A6.03	-		17.0	A109	-		A118A
A118B	3'-0" x 7'-0"	FGAL2	AL	AL1	4 1/2"	4-A6.03	5-A6.03	-	-	33.0	A127	-		A118B
A119	PR 3'-0" x 7'-0"	F WD	HM	HM2	8 3/4"	1-A6.03	2-A6.03	-	-	24.0	A118	-		A119
A120A	PR 3'-0" x 7'-0"	FGAL2	AL	AL2	4 1/2"	19-A6.03	20-A6.03	10-A6.03	-	5.0	EXT	-	FIXED CENTER MULLION	A120A
A120B	PR 3'-0" x 7'-0"	FGAL2	AL	AL2	4 1/2"	19-A6.03	20-A6.03	10-A6.03	-	5.0	EXT	-	FIXED CENTER MULLION	A120B
A120C	PR 3'-0" x 7'-0"	FGAL2	AL	AL2	4 1/2"	4-A6.03	5-A6.03	-	-	12.0	A110	-		A120C
A123A	PR 3'-0" x 7'-0"	F FRP	AL	AL2	4 1/2"	4-A6.03	5-A6.03	-	-	9.0	A120	-		A123A
A123B	4'-0" x 7'-0"	F FRP	AL	AL1	4 1/2"	19-A6.03	20-A6.03	10-A6.03	-	8.0	EXT	-		A123B
A124	4'-0" x 7'-0"	F FRP	AL	AL1	4 1/2"	4-A6.03	5-A6.03	-	-	11.0	A123	-		A124
A125	4'-0" x 7'-0"	F FRP	AL	AL1	4 1/2"	4-A6.03	5-A6.03	-	-	11.0	A123	-		A125
A126	PR 3'-0" x 7'-0"	F HM	HM	HM2	4 1/2"	19-A6.03	20-A6.03	10-A6.03	-	5.0	EXT	-	FIXED CENTER MULLION	A126

DOOR AND FRAME SCHEDULE - B1

DOOR NUMBER	DOORS		FRAME			DETAILS			FIRE RATING IN MINS.	HARDWARE		STC RATING	REMARKS	DOOR NUMBER
	DOOR SIZE (WxH)	DOOR TYPE	FRAME MATERIAL	FRAME ELEVATION	JAMB DEPTH	HEAD	JAMB	SILL		SET NO.	KEYSIDE ROOM			
B101A	PR 3'-0" x 7'-0"	FGAL2	AL	AL2	4 1/2"	19-A6.03	20-A6.03	10-A6.03	-	4.0	EXT	-	FIXED CENTER MULLION	B101A
B101B	PR 3'-0" x 7'-0"	N WD	HM	HM2	8 3/4"	1-A6.03	2-A6.03	-	-	21.0		-		B101B
B102	3'-0" x 7'-0"	F WD	HM	HM1	8 3/4"	1-A6.03	2-A6.03	-	-	41.0	B102	-		B102
B104	3'-0" x 7'-0"	F WD	HM	HM1	8 3/4"	1-A6.03	2-A6.03	-	-	31.0	B102	-		B104
B105	3'-0" x 7'-0"	F WD	HM	HM1	8 3/4"	1-A6.03	2-A6.03	-	-	35.0	B104	-		B105
B107	4'-0" x 7'-0"	F WD	HM	HM1	8 3/4"	1-A6.03	2-A6.03	-	-	31.0	B101	-		B107
B108	3'-0" x 7'-0"	F WD	HM	HM1	8 3/4"	1-A6.03	2-A6.03	-	-	20.0	B108	-		B108
B109A	3'-0" x 7'-0"	F WD	HM	HM1	8 3/4"	1-A6.03	2-A6.03	-	-	41.0	B101	-		B109A
B109B	3'-0" x 7'-0"	F WD	HM	HM1	8 3/4"	1-A6.03	2-A6.03	-	-	38.0	B116	-		B109B
B110	3'-0" x 7'-0"	FG WD	HM	HM1	8 3/4"	1-A6.03	2-A6.03	-	-	30.0	B110	-		B110
B112A	3'-0" x 7'-0"	F WD	HM	HM1	8 3/4"	1-A6.03	2-A6.03	-	-	41.0	B101	-		B112A
B112B	3'-0" x 7'-0"	F WD	HM	HM1	8 3/4"	1-A6.03	2-A6.03	-	-	38.0	B116	-		B112B
B113	3'-0" x 7'-0"	FG WD	HM	HM1	8 3/4"	1-A6.03	2-A6.03	-	-	30.0	B113	-		B113
B115	3'-0" x 7'-0"	F WD	HM	HM1	8 3/4"	1-A6.03	2-A6.03	-	-	23.0	B115	-		B115
B116	PR 3'-0" x 7'-0"	F HM	HM	HM2	4 1/2"	19-A6.03	20-A6.03	10-A6.03	-	2.0	EXT	-		B116
B117A	3'-0" x 7'-0"	F WD	HM	HM1	8 3/4"	1-A6.03	2-A6.03	-	-	42.0	B117A	-		B117A
B117B	3'-0" x 7'-0"	F WD	HM	HM1	8 3/4"	1-A6.03	2-A6.03	-	-	38.0	B117B	-		B117B
B118	3'-0" x 7'-0"	F FRP	AL	AL1	4 1/2"	4-A6.03	5-A6.03	-	-	39.0	B122	-		B118
B120	3'-0" x 7'-0"	F WD	HM	HM5	8 3/4"	1-A6.03	2-A6.03	3-A6.03	-	30.0	B120	-		B120
B121	3'-0" x 7'-0"	F FRP	AL	AL1	4 1/2"	4-A6.03	5-A6.03	-	-	32.0	B144	-		B121
B123	3'-0" x 7'-0"	F FRP	AL	AL1	4 1/2"	4-A6.03	5-A6.03	-	-	37.0	B122	-		B123
B124	3'-0" x 7'-0"	F FRP	AL	AL1	4 1/2"	4-A6.03	5-A6.03	-	-	39.0	B122	-		B124
B125A	3'-0" x 7'-0"	F WD	HM	HM1	8 3/4"	1-A6.03	2-A6.03	-	-	31.0	B135	-		B125A
B125B	3'-0" x 7'-0"	FGAL2	AL	AL1	4 1/2"	19-A6.03	20-A6.03	10-A6.03	-	6.0	EXT	-		B125B
B127	3'-0" x 7'-0"	F WD	HM	HM1	8 3/4"	1-A6.03	2-A6.03	-	-	30.0	B124	-		B127
B128	3'-0" x 7'-0"	F WD	HM	HM1	8 3/4"	1-A6.03	2-A6.03	-	-	34.0	B127	-		B128
B129A	3'-0" x 7'-0"	F WD	HM	HM1	8 3/4"	1-A6.03	2-A6.03	-	-	42.0	B117A	-		B129A
B129B	3'-0" x 7'-0"	F WD	HM	HM1	8 3/4"	1-A6.03	2-A6.03	-	-	38.0	B129	-		B129B
B130A	3'-0" x 7'-0"	F WD	HM	HM1	8 3/4"	1-A6.03	2-A6.03	-	-	42.0	B130A	-		B130A
B130B	3'-0" x 7'-0"	F WD	HM	HM1	8 3/4"	1-A6.03	2-A6.03	-	-	38.0	B130B	-		B130B
B131	3'-0" x 7'-0"	F FRP	AL	AL1	4 1/2"	4-A6.03	5-A6.03	-	-	39.0	B136	-		B131
B133	3'-0" x 7'-0"	F WD	HM	HM1	8 3/4"	1-A6.03	2-A6.03	-	-	30.0	B131	-		B133
B134	3'-0" x 7'-0"	F WD	HM	HM1	8 3/4"	1-A6.03	2-A6.03	-	-	34.0	B133	-		B134
B135	PR 3'-0" x 7'-0"	F HM	HM	HM2	4 1/2"	19-A6.03	20-A6.03	10-A6.03	-	2.0	EXT	-		B135
B137	3'-0" x 7'-0"	F FRP	AL	AL1	4 1/2"	4-A6.03	5-A6.03	-	-	37.0	B136	-		B137
B138	3'-0" x 7'-0"	F FRP	AL	AL1	4 1/2"	4-A6.03	5-A6.03	-	-	39.0	B136	-		B138
B139	3'-0" x 7'-0"	F WD	HM	HM1	8 3/4"	1-A6.03	2-A6.03	-		30.0	B138			B139
B140	3'-0" x 7'-0"	F WD	HM	HM1	8 3/4"	1-A6.03	2-A6.03	-	-	34.0	B139	-		B140
B142A	3'-0" x 7'-0"	F WD	HM	HM1	8 3/4"	1-A6.03	2-A6.03	-	-	42.0	B130A	-		B142A
B142B	3'-0" x 7'-0"	F WD	HM	HM1	8 3/4"	1-A6.03	2-A6.03	-	-	38.0	B142	-		B142B
B143A	PR 3'-0" x 7'-0"	F FRP	AL	AL2	4 1/2"	4-A6.03	5-A6.03	-	-	25.0	B143	-		B143A
B143B	PR 3'-0" x 7'-0"	N WD	HM	HM2	1'-0 3/4"	21-A6.03	22-A6.03	-	-	22.0	B143	-		B143B
B144A	PR 3'-0" x 7'-0"	FGAL2	AL	AL2	4 1/2"	19-A6.03	20-A6.03	10-A6.03	-	5.0	EXT	-	FIXED CENTER MULLION	B144A
B144B	PR 3'-0" x 7'-0"	FGAL2	AL	AL2	4 1/2"	19-A6.03	20-A6.03	10-A6.03	-	5.0	EXT	-	FIXED CENTER MULLION	B144B
B147	3'-0" x 7'-0"	FG2 WD	HM	HM1	8 3/4"	1-A6.03	2-A6.03	-	-	31.0	B125	-		B147
B148	3'-0" x 7'-0"	F WD	HM	HM1	8 3/4"	1-A6.03	2-A6.03	-	-	36.0	B148	-		B148
B149	3'-0" x 7'-0"	F WD	HM	HM1	8 3/4"	1-A6.03	2-A6.03	-	-	36.0	B149	-		B149
B150	PR 3'-0" x 7'-0"	F HM	HM	HM2	4 1/2"	19-A6.03	20-A6.03	10-A6.03	-	5.0	EXT	-	FIXED CENTER MULLION	B150
B151	4'-0" x 7'-0"	F HM	HM	HM1	4 1/2"	19-A6.03	20-A6.03	10-A6.03	-	8.0	EXT	-		B151

JEFFERSONVILLE HIGH SCHOOL NATATORIUM

2315 ALLISON LN.
JEFFERSONVILLE, IN 47130

GREATER CLARK COUNTY SCHOOLS

GCCS

ARCHITECT

FANNING HOWEY

317-848-0966 WWW.FHAI.COM
350 EAST NEW YORK ST.

ISSUED FOR CONSTRUCTION

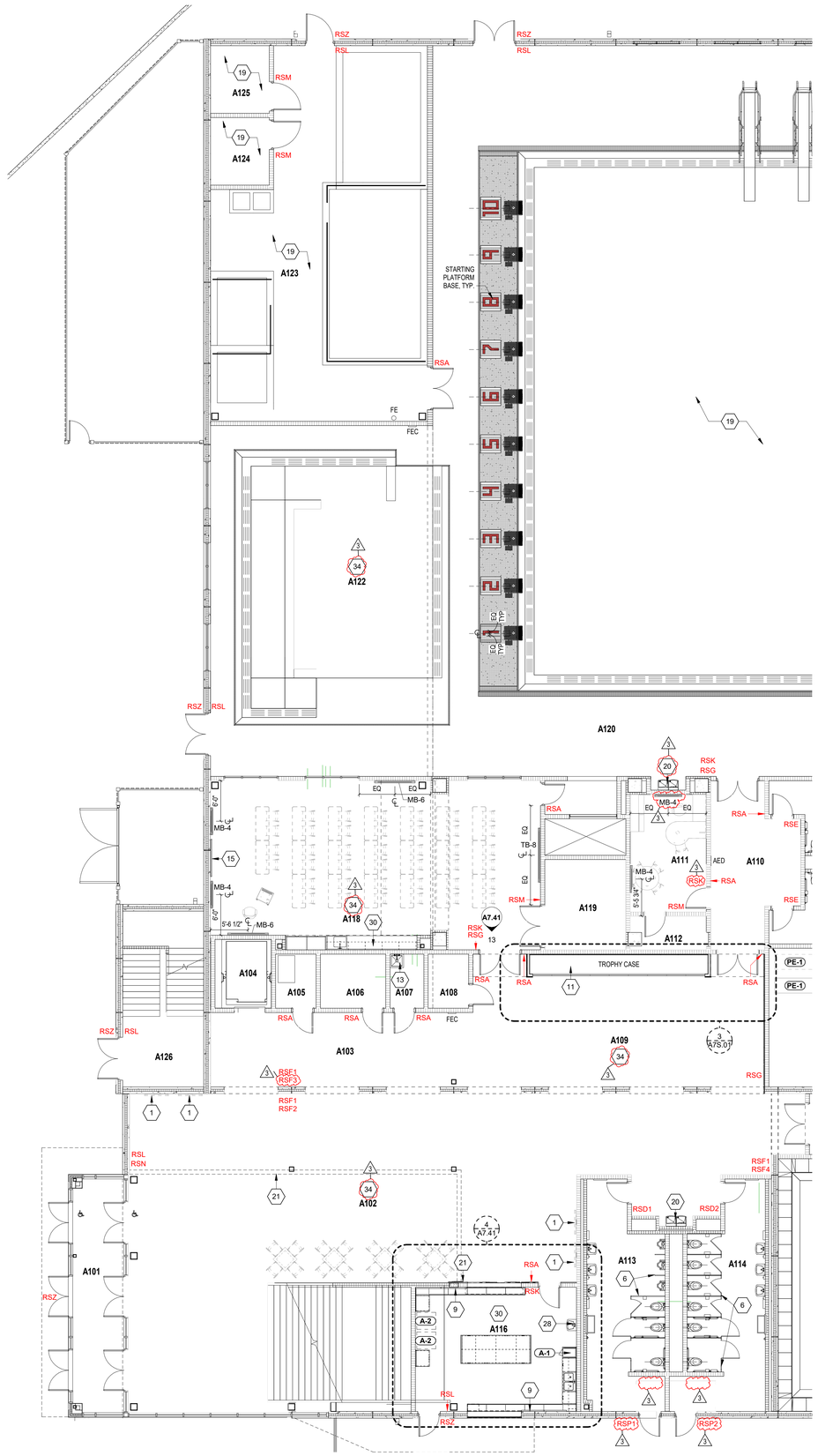
PAUL A. MILLER REGISTERED No. AR10800161 STATE OF INDIANA ARCHITECT

PROJECT MANAGER: JM
DRAWN BY: BMD MDM
PROJECT NUMBER: 222038.00
PROJECT ISSUE DATE: 11/20/2023

REV. NO.	DESCRIPTION	DATE
1	ADDENDUM #2	12/21/2023
2	ADDENDUM #3	01/17/2024

DOOR AND FRAME SCHEDULE

A6S.01



UNIT A - FIRST FLOOR EQUIPMENT PLAN

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

ROOM LEGEND - FIRST FLOOR UNIT A

ROOM NO.	OWNER ROOM NO.	ROOM NAME	AREA (SF)
A101		VESTIBULE	282 SF
A102		LOBBY	3084 SF
A103		VESTIBULE	418 SF
A104		ELEVATOR	85 SF
A105		ELEVATOR MACHINE ROOM	48 SF
A106		ELECTRICAL	77 SF
A107		JANITOR	40 SF
A108		TECHNOLOGY	48 SF
A109		HALL OF CHAMPIONS	738 SF
A110		CORRIDOR	269 SF
A111		FACILITIES	195 SF
A112		STORAGE	58 SF
A113		RESTROOM	348 SF
A114		RESTROOM	363 SF
A115		ALCOVE	Not Placed
A116		CONCESSIONS	438 SF
A118		TEAM	1180 SF
A119		STORAGE	160 SF
A120		COMPETITION POOL DECK	3647 SF
A121		COMPETITION POOL	2711 SF
A122		THERAPY POOL	886 SF
A123		POOL EQUIPMENT	1585 SF
A124		STORAGE	87 SF
A125		STORAGE	87 SF
A126		STAIR A	191 SF
A127		ALCOVE	53 SF

EQUIPMENT GENERAL NOTES

A. ALL COUNTERTOPS TO HAVE CONTINUOUS 4" HIGH BACKSPLASHES AND ENDSPLASHES, UNLESS NOTED OTHERWISE.
B. HIDDEN LINES (- - -) INDICATE ITEMS TO BE PART OF LOOSE EQUIPMENT PACKAGE OR BY OWNER, NOT INCLUDED IN CONSTRUCTION CONTRACTS. DASHED LINES (– – –) INDICATE OVERHEAD ITEMS (INCLUDED IN CONSTRUCTION CONTRACTS).
C. REFER TO A7S.01 EQUIPMENT LIST OF FINISHES FOR COLOR SELECTIONS.
D. (TB) INDICATES 4' HIGH TACK BOARD LENGTH AS INDICATED. REFER TO MOUNTING HEIGHT DRAWING.
E. (MB) INDICATES 4' HIGH MARKER BOARD LENGTH AS INDICATED. REFER TO MOUNTING HEIGHT DRAWING. PROVIDE FILLER STRIPS BETWEEN CASEWORK UNITS AND WALL OR BETWEEN ANY UNIT AS REQUIRED. EXTEND COUNTER TO FACE OF WALL OR ADJACENT TALL CABINET.
F. PROVIDE FILLER STRIPS BETWEEN CASEWORK UNITS AND WALL OR BETWEEN ANY UNIT AS REQUIRED. EXTEND COUNTER TO FACE OF WALL OR ADJACENT TALL CABINET.
G. ALL CASEWORK DOORS AND DRAWERS SHALL BE LOCKABLE.
H. ALL EXPOSED ENDS AND BACKS OF CASEWORK SHALL BE FINISHED.
I. CASEWORK INSTALLER SHALL CUT CASEWORK AS REQUIRED FOR PLUMBING/ELECTRICAL LINES.
J. CASEWORK INSTALLER SHALL CAULK BETWEEN COUNTERS, BACKSPLASHES, AND WALLS.
K. ALL WALL-MOUNTED CASEWORK SHALL BE MOUNTED WITH THE TOP AT 7'-0" AFF UNLESS OTHERWISE NOTED.
L. (FD) INDICATES FLOOR DRAINS TO BE 1/2" BELOW FINISHED FLOOR. SLOPE FLOORS TO DRAINS. REFER TO PLUMBING DRAWINGS FOR LOCATIONS.
M. (HLB) INDICATES HORIZONTAL LOUVERED BLINDS. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION. REFER TO A6 SERIES FOR FRAME SIZES.
N. (FEC) INDICATES FIRE EXTINGUISHER CABINET, REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.
O. (FE) INDICATES FIRE EXTINGUISHER, REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.
P. (AED) INDICATES AUTOMATED EXTERNAL DEFIBRILLATOR, REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.
Q. (RS..) INDICATES INTERIOR AND EXTERIOR PANEL SIGNAGE TYPE. REFER TO A7.30 AND A7.31 FOR SIGNAGE TYPE DETAILS.
R. PROVIDE 1 ROOM SIGN K IN EACH OFFICE, TEAM ROOM AND LOCKER ROOMS.
S. (MH) INDICATES MOP HOLDER, REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.

EQUIPMENT NOTES

(ALL NOTES MAY NOT BE INDICATED ON THIS SHEET)

1 TV MONITOR, BY TECHNOLOGY.
2 SINGLE-TIERED TYPE A OPEN-FACED METAL FOOTBALL LOCKERS WITH BUILT-IN DOUBLE CONCRETE BENCH. REFER TO DETAIL ON A7.40.
3 SINGLE-TIERED TYPE D METAL LOCKERS WITH BUILT-IN CONCRETE BENCH. REFER TO DETAIL ON A7.40.
4 SINGLE-TIER TYPE B PLASTIC ATHLETIC LOCKERS WITH BUILT-IN DOUBLE CONCRETE BENCH. REFER TO DETAIL ON A7.40.
5 DOUBLE-TIERED TYPE C PLASTIC LOCKERS WITH BUILT-IN CONCRETE BENCH. REFER TO DETAIL ON A7.40.
6 SPTC-1 PARTITIONS, REFER TO SPECIFICATION FOR ADDITIONAL INFORMATION.
7 NOT USED.
8 DRINK COOLER(S), REFER TO A7S.01 APPLIANCE SCHEDULE FOR ADDITIONAL DETAILS.
9 SLATWALL, REFER TO 4/A7.41 AND 7/A7.41 ENLARGED PLAN FOR ADDITIONAL INFORMATION.
10 30"H SOLID SURFACE COUNTERTOP. SSM-1 AND 4"H BACKSPLASH w/ 2"D X 24"W EVENLY SPACED GROMMETS FOR POWER CABLE MANAGEMENT AND SUPPORT BRACKETS (3'-0" O.C. MAXIMUM). SCHEDULED FLOOR FINISH TO CONTINUE BELOW AT KNEESPACE. REFER TO DETAIL 1/A7S.01 FOR ADDITIONAL INFORMATION.
11 DISPLAY CASE, REFER TO ENLARGED PLAN AND DETAILS 3,4,6,7/A7S.01 FOR ADDITIONAL INFORMATION.
12 BUILT-IN ADA CONCRETE BENCH. REFER TO DETAIL 6/A7.40 FOR ADDITIONAL INFORMATION.
13 MOP SINK, REFER TO PLUMBING DRAWINGS.
14 WASHER AND DRYER UNIT SET, REFER TO SPECIFICATIONS.
15 INTERACTIVE PROMETHEAN DISPLAY BOARD, BY TECHNOLOGY
16 42"H SOLID SURFACE COUNTERTOP. SSM-1 w/ 2"D x 24"W EVENLY SPACED GROMMETS FOR POWER CABLE MANAGEMENT AND SUPPORT BRACKETS (3'-0"O.C. MAXIMUM). SCHEDULED FLOOR FINISH TO CONTINUE BELOW AT KNEESPACE. REFER TO DETAIL 3/A7S.01 FOR ADDITIONAL INFORMATION.
17 BUILT-IN BENCH WITH SOLID PLASTIC TOP, SPTC-2. REFER TO A1 SERIES DRAWINGS FOR ADDITIONAL INFORMATION.
18 SCOREBOARD, REFER TO DIVISION 13 SPECIFICATIONS.
19 REFER TO PL SERIES DRAWINGS FOR POOL EQUIPMENT.
20 WATER BOTTLE FILLERS, REFER TO PLUMBING DRAWINGS.
21 DIMENSIONAL LETTER SIGNAGE, BY OTHERS. REFER TO INTERIOR ELEVATIONS FOR ADDITIONAL INFORMATION.
22 RECORDS BOARD, REFER TO DIVISION 13 SPECIFICATIONS.
23 REFER TO A1 SERIES SHEETS AND SECOND FLOOR EQUIPMENT/FINISH PLANS FOR BLEACHER INFORMATION.
24 30"H SOLID SURFACE COUNTERTOP. SSM-1w/ 2"D x 24"W EVENLY SPACED GROMMETS FOR POWER CABLE MANAGEMENT AND SUPPORT BRACKETS (3'-0" O.C. MAXIMUM). SCHEDULED FLOOR FINISH TO CONTINUE BENEATH AT OPEN KNEESPACE. REFER TO DETAIL 5/7S.01 FOR ADDITIONAL INFORMATION.
25 1 1/2"H SOLID SURFACE WALL CAP. SSM-1.
26 SINGLE-TIER TYPE B PLASTIC ATHLETIC LOCKERS WITH BUILT-IN CONCRETE BENCH. REFER TO DETAIL ON A7.40.
27 DOUBLE-TIERED TYPE E METAL LOCKERS WITH BUILT-IN CONCRETE BENCH. REFER TO DETAIL ON A7.40.
28 HAND WASH SINK, REFER TO PLUMBING DRAWINGS.
29 JUG FILLER, REFER TO PLUMBING DRAWINGS.
30 PL-1 CASEWORK WITH SSM-1 SOLID SURFACE COUNTERTOPS IN THIS ROOM. REFER TO INTERIOR ELEVATIONS ON A7.41 FOR 4"H BACKSPLASH INSTALLATION LOCATIONS.
31 DOUBLE-TIERED TYPE C PLASTIC LOCKERS WITH BUILT-IN DOUBLE CONCRETE BENCH. REFER TO DETAIL ON A7.40.
32 SINGLE-TIERED TYPE A OPEN-FACED METAL FOOTBALL LOCKERS WITH BUILT-IN CONCRETE BENCH. REFER TO DETAIL ON A7.40.
33 DOUBLE-TIERED TYPE F PLASTIC LOCKERS WITH BUILT-IN CONCRETE BENCH. REFER TO DETAIL ON A7.40.
34 DASHED LINE INDICATES BULKHEAD/SOFFIT ABOVE. REFER TO A1 SERIES SHEETS FOR LOCATIONS. REFER TO CEILING PLANS FOR ADDITIONAL INFORMATION.

VERIFICATION NOTE

CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CLEARANCES AND ALL EXISTING FIELD CONDITIONS BEFORE STARTING CONSTRUCTION. COMMENCEMENT OF WORK CONSTITUTES ACCEPTANCE OF CONDITIONS.

SHOULD DIFFERENT CONDITIONS BE ENCOUNTERED, CONTACT THE ARCHITECT BEFORE PROCEEDING WITH WORK.

JEFFERSONVILLE HIGH SCHOOL NATATORIUM

2315 ALLISON LN.
JEFFERSONVILLE, IN 47130

GREATER CLARK COUNTY SCHOOLS

GCCS

ARCHITECT

FANNING HOWEY

317-848-0966 WWW.FHAI.COM

A B

KEY PLAN

NORTH

ISSUED FOR CONSTRUCTION

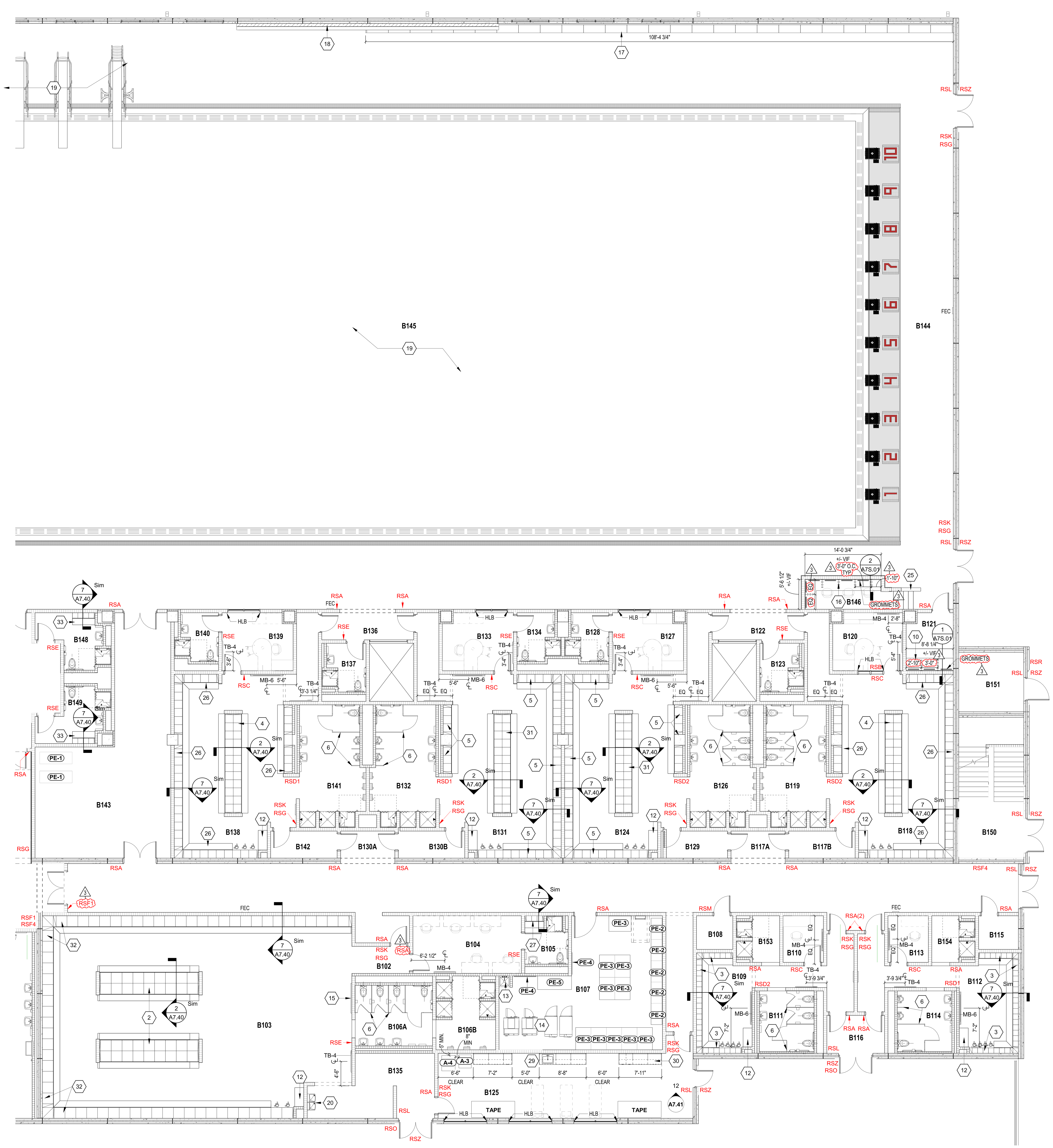
PAUL A. MILLER REGISTERED No. AR10800161 STATE OF INDIANA ARCHITECT

PROJECT MANAGER: JM
DRAWN BY: KMS
PROJECT NUMBER: 222038.00
PROJECT ISSUE DATE: 11/20/2023

REV. NO.	DESCRIPTION	DATE
3	ADDENDUM #3	1.17.2024

UNIT A - FIRST FLOOR EQUIPMENT PLAN

A7.01



UNIT B - FIRST FLOOR EQUIPMENT PLAN

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

ROOM LEGEND - FIRST FLOOR UNIT B			
ROOM NO.	OWNER ROOM NO.	ROOM NAME	AREA (SF)
B101		CORRIDOR	1667 SF
B102		ALCOVE	53 SF
B103		FOOTBALL LOCKERS	1533 SF
B104		OFFICE	213 SF
B105		RESTROOM	61 SF
B106A		RESTROOM	159 SF
B106B		SHOWERS	137 SF
B107		LAUNDRY/STORAGE	596 SF
B108		ELECTRICAL PANEL	42 SF
B109		GIRLS TRACK	265 SF
B110		OFFICE	64 SF
B111		RESTROOM	113 SF
B112		BOYS TRACK	276 SF
B113		OFFICE	64 SF
B114		RESTROOM	112 SF
B115		TECHNOLOGY	45 SF
B116		VESTIBULE	74 SF
B117A		ALCOVE	50 SF
B117B		ALCOVE	61 SF
B118		GIRLS SWIM	675 SF
B119		RESTROOM	253 SF
B120		OFFICE	134 SF
B121		TIMING ROOM	89 SF
B122		ALCOVE	85 SF
B123		RESTROOM	65 SF
B124		GIRLS PE SWIM	664 SF
B125		TRAINING	581 SF
B126		RESTROOM	253 SF
B127		OFFICE	137 SF
B128		RESTROOM	64 SF
B129		ALCOVE	61 SF
B130A		ALCOVE	50 SF
B130B		ALCOVE	61 SF
B131		BOYS PE SWIM	666 SF
B132		RESTROOM	253 SF
B133		OFFICE	137 SF
B134		RESTROOM	64 SF
B135		VESTIBULE	229 SF
B136		ALCOVE	85 SF
B137		RESTROOM	65 SF
B138		BOYS SWIM	664 SF
B139		OFFICE	137 SF
B140		RESTROOM	64 SF
B141		RESTROOM	253 SF
B142		ALCOVE	61 SF
B143		STORAGE	774 SF
B144		COMPETITION POOL DECK	6583 SF
B145		COMPETITION POOL	11263 SF
B146		TIMING PLATFORM	132 SF
B147		CORRIDOR	110 SF
B148		RESTROOM	96 SF
B149		RESTROOM	96 SF
B150		STAIR B	197 SF
B151		WATER SERVICE	132 SF
B153		SHOWERS	61 SF
B154		SHOWERS	61 SF

EQUIPMENT GENERAL NOTES

A. ALL COUNTERTOPS TO HAVE CONTINUOUS 4" HIGH BACKSPLASHES AND ENDSPLASHES, UNLESS NOTED OTHERWISE.
B. HIDDEN LINES (- - - -) INDICATE ITEMS TO BE PART OF LOOSE EQUIPMENT PACKAGE OR BY OWNER, NOT INCLUDED IN CONSTRUCTION CONTRACTS. DASHED LINES (— — —) INDICATE OVERHEAD ITEMS (INCLUDED IN CONSTRUCTION CONTRACTS).
C. REFER TO A7S.01 EQUIPMENT LIST OF FINISHES FOR COLOR SELECTIONS.
D. (TB) INDICATES 4' HIGH TACK BOARD LENGTH AS INDICATED. REFER TO MOUNTING HEIGHT DRAWING.
E. (MB) INDICATES 4' HIGH MARKER BOARD LENGTH AS INDICATED. REFER TO MOUNTING HEIGHT DRAWING.
F. PROVIDE FILLER STRIPS BETWEEN CASEWORK UNITS AND WALL OR BETWEEN ANY UNIT AS REQUIRED. EXTEND COUNTER TO FACE OF WALL OR ADJACENT TALL CABINET.
G. ALL CASEWORK DOORS AND DRAWERS SHALL BE LOCKABLE.
H. ALL EXPOSED ENDS AND BACKS OF CASEWORK SHALL BE FINISHED.
I. CASEWORK INSTALLER SHALL CUT CASEWORK AS REQUIRED FOR PLUMBING/ELECTRICAL LINES.
J. CASEWORK INSTALLER SHALL CAULK BETWEEN COUNTERS, BACKSPLASHES, AND WALLS.
K. ALL WALL-MOUNTED CASEWORK SHALL BE MOUNTED WITH THE TOP AT 7'-0" AFF UNLESS OTHERWISE NOTED.
L. (FD) INDICATES FLOOR DRAINS TO BE 1/2" BELOW FINISHED FLOOR. SLOPE FLOORS TO DRAINS. REFER TO PLUMBING DRAWINGS FOR LOCATIONS.
M. (HLB) INDICATES HORIZONTAL LOUVERED BLINDS. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION. REFER TO A6 SERIES FOR FRAME SIZES.
N. (FEC) INDICATES FIRE EXTINGUISHER CABINET, REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.
O. (FE) INDICATES FIRE EXTINGUISHER, REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.
P. (AED) INDICATES AUTOMATED EXTERNAL DEFIBRILLATOR, REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.
Q. (RS_) INDICATES INTERIOR AND EXTERIOR PANEL SIGNAGE TYPE, REFER TO A7.30 AND A7.31 FOR SIGNAGE TYPE DETAILS.
R. PROVIDE 1 ROOM SIGN K IN EACH OFFICE, TEAM ROOM AND LOCKER ROOMS.
S. (MH) INDICATES MOP HOLDER, REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.

EQUIPMENT NOTES

X

(ALL NOTES MAY NOT BE INDICATED ON THIS SHEET)

1 TV MONITOR, BY TECHNOLOGY.
2 (3) SINGLE-TIERED TYPE A OPEN-FACED METAL FOOTBALL LOCKERS WITH BUILT-IN DOUBLE CONCRETE BENCH. REFER TO DETAIL ON A7.40.
3 SINGLE-TIERED TYPE D METAL LOCKERS WITH BUILT-IN CONCRETE BENCH. REFER TO DETAIL ON A7.40.
4 SINGLE-TIER TYPE B PLASTIC ATHLETIC LOCKERS WITH BUILT-IN DOUBLE CONCRETE BENCH. REFER TO DETAIL ON A7.40.
5 DOUBLE-TIERED TYPE C PLASTIC LOCKERS WITH BUILT-IN CONCRETE BENCH. REFER TO DETAIL ON A7.40.
6 SPTC-1 PARTITIONS, REFER TO SPECIFICATION FOR ADDITIONAL INFORMATION.
7 NOT USED.
8 DRINK COOLER(S), REFER TO A7S.01 APPLIANCE SCHEDULE FOR ADDITIONAL DETAILS.
9 SLATWALL, REFER TO 4/A7.41 AND 7/A7.41 ENLARGED PLAN FOR ADDITIONAL INFORMATION.
10 (3) 30"H SOLID SURFACE COUNTERTOP, SSM-1 AND 4"H BACKSPLASH w/ 2"D X 24"W EVENLY SPACED GROMMETS FOR POWER CABLE MANAGEMENT AND SUPPORT BRACKETS (3'-0" O.C. MAXIMUM). SCHEDULED FLOOR FINISH TO CONTINUE BELOW AT KNEESPACE. REFER TO DETAIL 1/A7S.01 FOR ADDITIONAL INFORMATION.
11 DISPLAY CASE, REFER TO ENLARGED PLAN AND DETAILS 3,4,6,7/A7S.01 FOR ADDITIONAL INFORMATION.
12 BUILT-IN ADA CONCRETE BENCH. REFER TO DETAIL 6/A7.40 FOR ADDITIONAL INFORMATION.
13 MOP SINK, REFER TO PLUMBING DRAWINGS.
14 WASHER AND DRYER UNIT SET, REFER TO SPECIFICATIONS.
15 INTERACTIVE PROMETHEAN DISPLAY BOARD, BY TECHNOLOGY
16 (3) 42"H SOLID SURFACE COUNTERTOP, SSM-1 w/ 2"D x 24"W EVENLY SPACED GROMMETS FOR POWER CABLE MANAGEMENT AND SUPPORT BRACKETS (3'-0"O.C. MAXIMUM). SCHEDULED FLOOR FINISH TO CONTINUE BELOW AT KNEESPACE. REFER TO DETAIL 2/A7S.01 FOR ADDITIONAL INFORMATION.
17 BUILT-IN BENCH WITH SOLID PLASTIC TOP, SPTC-2. REFER TO A1 SERIES DRAWINGS FOR ADDITIONAL INFORMATION.
18 SCOREBOARD, REFER TO DIVISION 13 SPECIFICATIONS.
19 REFER TO PL SERIES DRAWINGS FOR POOL EQUIPMENT.
20 WATER BOTTLE FILLERS, REFER TO PLUMBING DRAWINGS.
21 DIMENSIONAL LETTER SIGNAGE, BY OTHERS. REFER TO INTERIOR ELEVATIONS FOR ADDITIONAL INFORMATION.
22 RECORDS BOARD, REFER TO DIVISION 13 SPECIFICATIONS.
23 (3) REFER TO A1 SERIES SHEETS AND SECOND FLOOR EQUIPMENT/FINISH PLANS FOR BLEACHER INFORMATION.
24 (3) 30"H SOLID SURFACE COUNTERTOP, SSM-1w/ 2"D x 24"W EVENLY SPACED GROMMETS FOR POWER CABLE MANAGEMENT AND SUPPORT BRACKETS (3'-0" O.C. MAXIMUM). SCHEDULED FLOOR FINISH TO CONTINUE BENEATH AT OPEN KNEESPACE. REFER TO DETAIL 5/7S.01 FOR ADDITIONAL INFORMATION.
25 1 1/2"H SOLID SURFACE WALL CAP, SSM-1.
26 SINGLE-TIER TYPE B PLASTIC ATHLETIC LOCKERS WITH BUILT-IN CONCRETE BENCH. REFER TO DETAIL ON A7.40.
27 DOUBLE-TIERED TYPE E METAL LOCKERS WITH BUILT-IN CONCRETE BENCH. REFER TO DETAIL ON A7.40.
28 HAND WASH SINK, REFER TO PLUMBING DRAWINGS.
29 JUG FILLER, REFER TO PLUMBING DRAWINGS.
30 (3) PL-1 CASEWORK WITH SSM-1 SOLID SURFACE COUNTERTOPS IN THIS ROOM. REFER TO INTERIOR ELEVATIONS ON A7.41 FOR 4"H BACKSPLASH INSTALLATION LOCATIONS.
31 DOUBLE-TIERED TYPE C PLASTIC LOCKERS WITH BUILT-IN DOUBLE CONCRETE BENCH. REFER TO DETAIL ON A7.40.
32 SINGLE-TIERED TYPE A OPEN-FACED METAL FOOTBALL LOCKERS WITH BUILT-IN CONCRETE BENCH. REFER TO DETAIL ON A7.40.
33 DOUBLE-TIERED TYPE F PLASTIC LOCKERS WITH BUILT-IN CONCRETE BENCH. REFER TO DETAIL ON A7.40.
34 DASHED LINE INDICATES BULKHEAD/SOFFIT ABOVE. REFER TO A1 SERIES SHEETS FOR LOCATIONS. REFER TO CEILING PLANS FOR ADDITIONAL INFORMATION.

VERIFICATION NOTE

CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CLEARANCES AND ALL EXISTING FIELD CONDITIONS BEFORE STARTING CONSTRUCTION. COMMENCEMENT OF WORK CONSTITUTES ACCEPTANCE OF CONDITIONS.

SHOULD DIFFERENT CONDITIONS BE ENCOUNTERED, CONTACT THE ARCHITECT BEFORE PROCEEDING WITH WORK.

JEFFERSONVILLE HIGH SCHOOL NATATORIUM

2315 ALLISON LN.
JEFFERSONVILLE, IN 47130

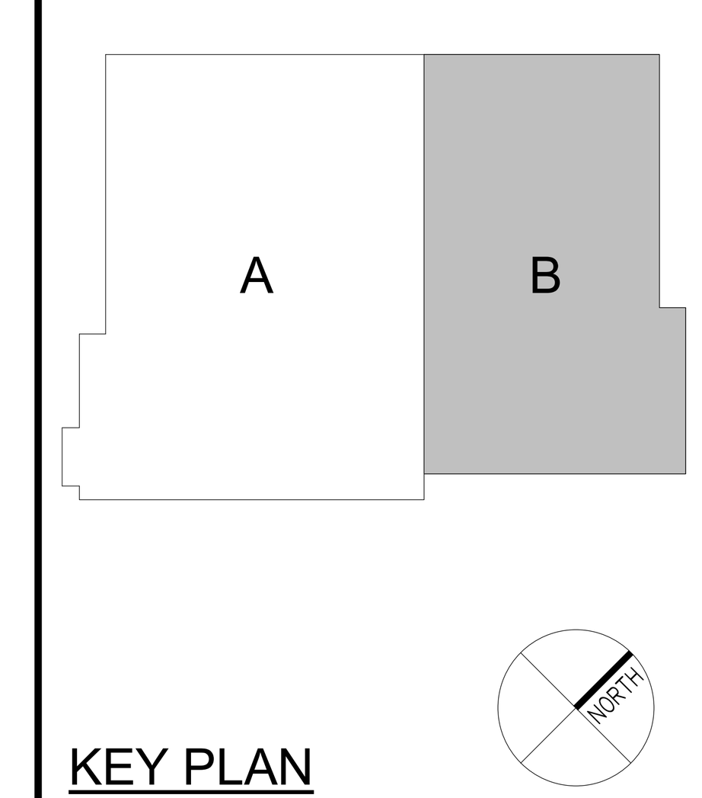
GREATER CLARK COUNTY SCHOOLS

GCCS

ARCHITECT

FANNING HOWEY

317-848-0966 WWW.FHAI.COM



KEY PLAN

ISSUED FOR CONSTRUCTION

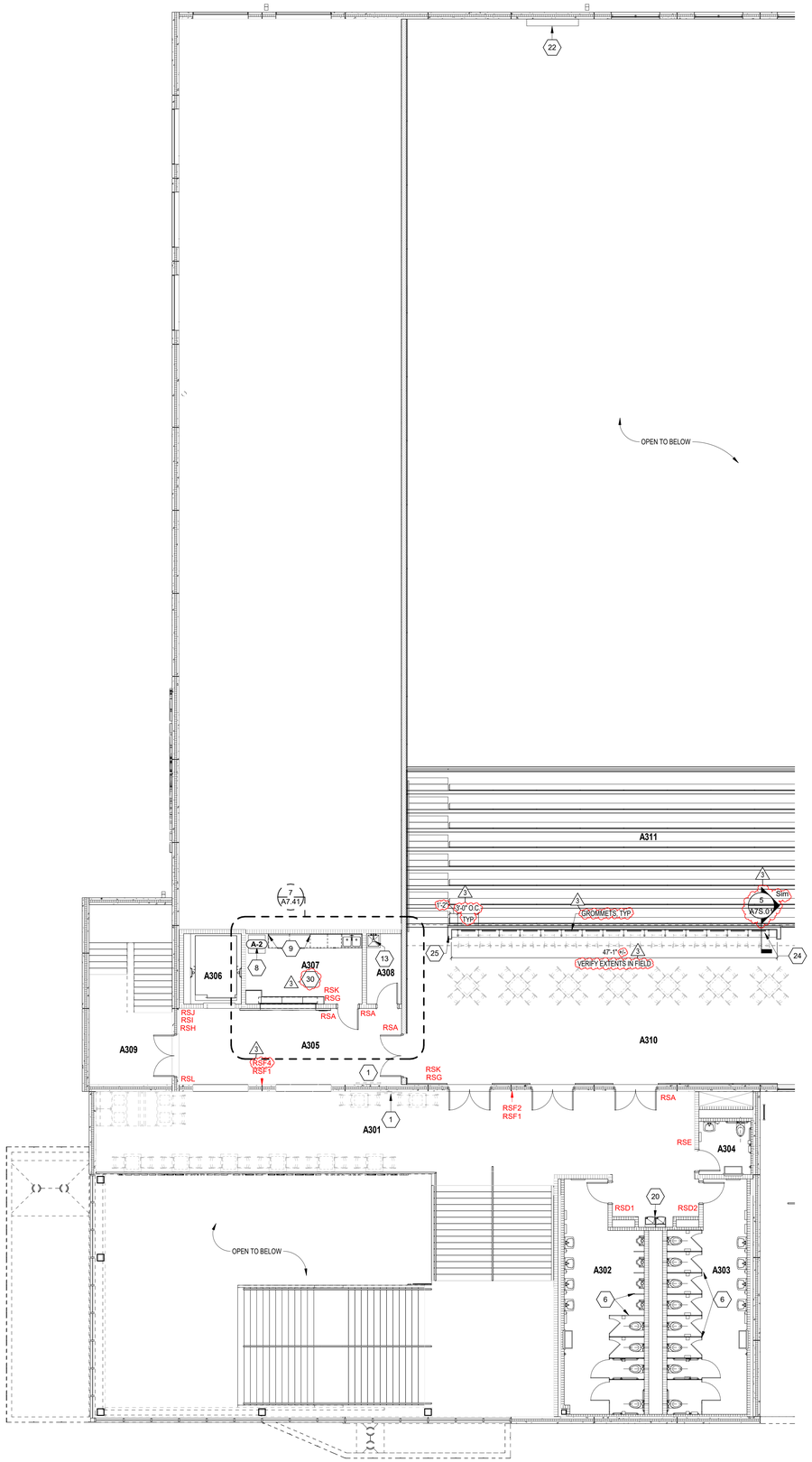
PAUL A. MILLER REGISTERED No. AR10800161 STATE OF INDIANA ARCHITECT

PROJECT MANAGER: JM
DRAWN BY: KMS
PROJECT NUMBER: 222038.00
PROJECT ISSUE DATE: 11/20/2023

REV. NO.	DESCRIPTION	DATE
3	ADDENDUM #3	1.17.2024

UNIT B - FIRST FLOOR EQUIPMENT PLAN

A7.02



UNIT A - SECOND FLOOR EQUIPMENT PLAN

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

ROOM LEGEND - SECOND FLOOR UNIT A

ROOM NO.	OWNER ROOM NO.	ROOM NAME	AREA (SF)
A301		UPPER BALCONY	1093 SF
A302		RESTROOM	354 SF
A303		RESTROOM	355 SF
A304		FAMILY RESTROOM	58 SF
A305		UPPER LOBBY	353 SF
A306		ELEVATOR	85 SF
A307		UPPER CONCESSIONS	171 SF
A308		JANITOR	51 SF
A309		STAIR A	312 SF
A310		CONCOURSE	1151 SF
A311		BLEACHERS	1158 SF

EQUIPMENT GENERAL NOTES

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B. HIDDEN LINES (- - -) INDICATE ITEMS TO BE PART OF LOOSE EQUIPMENT PACKAGE OR BY OWNER, NOT INCLUDED IN CONSTRUCTION CONTRACTS. DASHED LINES (– – –) INDICATE OVERHEAD ITEMS (INCLUDED IN CONSTRUCTION CONTRACTS).
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F. PROVIDE FILLER STRIPS BETWEEN CASEWORK UNITS AND WALL OR BETWEEN ANY UNIT AS REQUIRED. EXTEND COUNTER TO FACE OF WALL OR ADJACENT TALL CABINET.
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R. PROVIDE 1 ROOM SIGN K IN EACH OFFICE, TEAM ROOM AND LOCKER ROOMS.
S. (MH) INDICATES MOP HOLDER, REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.

EQUIPMENT NOTES (X)

(ALL NOTES MAY NOT BE INDICATED ON THIS SHEET)

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10 30"H SOLID SURFACE COUNTERTOP, SSM-1 AND 4"H BACKSPLASH w/ 2"D X 24"W EVENLY SPACED GROMMETS FOR POWER CABLE MANAGEMENT AND SUPPORT BRACKETS (3'-0" O.C. MAXIMUM). SCHEDULED FLOOR FINISH TO CONTINUE BELOW AT KNEESPACE. REFER TO DETAIL 1/A7S.01 FOR ADDITIONAL INFORMATION.
11 DISPLAY CASE, REFER TO ENLARGED PLAN AND DETAILS 3,4,6,7/A7S.01 FOR ADDITIONAL INFORMATION.
12 BUILT-IN ADA CONCRETE BENCH. REFER TO DETAIL 6/A7.40 FOR ADDITIONAL INFORMATION.
13 MOP SINK, REFER TO PLUMBING DRAWINGS.
14 WASHER AND DRYER UNIT SET, REFER TO SPECIFICATIONS.
15 INTERACTIVE PROMETHEAN DISPLAY BOARD, BY TECHNOLOGY
16 42"H SOLID SURFACE COUNTERTOP, SSM-1 w/ 2"D x 24"W EVENLY SPACED GROMMETS FOR POWER CABLE MANAGEMENT AND SUPPORT BRACKETS (3'-0" O.C. MAXIMUM). SCHEDULED FLOOR FINISH TO CONTINUE BELOW AT KNEESPACE. REFER TO DETAIL 2/A7S.01 FOR ADDITIONAL INFORMATION.
17 BUILT-IN BENCH WITH SOLID PLASTIC TOP, SPTC-2. REFER TO A1 SERIES DRAWINGS FOR ADDITIONAL INFORMATION.
18 SCOREBOARD, REFER TO DIVISION 13 SPECIFICATIONS.
19 REFER TO PL SERIES DRAWINGS FOR POOL EQUIPMENT.
20 WATER BOTTLE FILLERS, REFER TO PLUMBING DRAWINGS.
21 DIMENSIONAL LETTER SIGNAGE, BY OTHERS. REFER TO INTERIOR ELEVATIONS FOR ADDITIONAL INFORMATION.
22 RECORDS BOARD, REFER TO DIVISION 13 SPECIFICATIONS.
23 REFER TO A1 SERIES SHEETS AND SECOND FLOOR EQUIPMENT/FINISH PLANS FOR BLEACHER INFORMATION.
24 30"H SOLID SURFACE COUNTERTOP, SSM-1w/ 2"D x 24"W EVENLY SPACED GROMMETS FOR POWER CABLE MANAGEMENT AND SUPPORT BRACKETS (3'-0" O.C. MAXIMUM). SCHEDULED FLOOR FINISH TO CONTINUE BENEATH AT OPEN KNEESPACE. REFER TO DETAIL 5/7S.01 FOR ADDITIONAL INFORMATION.
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29 JUG FILLER, REFER TO PLUMBING DRAWINGS.
30 PL-1 CASEWORK WITH SSM-1 SOLID SURFACE COUNTERTOPS IN THIS ROOM. REFER TO INTERIOR ELEVATIONS ON A7.41 FOR 4"H BACKSPLASH INSTALLATION LOCATIONS.
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VERIFICATION NOTE

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JEFFERSONVILLE, IN 47130

GREATER CLARK COUNTY SCHOOLS

GCCS

ARCHITECT

FANNING HOWEY

317-848-0966 WWW.FHAI.COM

A B

KEY PLAN

NORTH

ISSUED FOR CONSTRUCTION

PAUL A. MILLER REGISTERED No. AR10800161 STATE OF INDIANA ARCHITECT

PROJECT MANAGER: JM
DRAWN BY: KMS
PROJECT NUMBER: 222038.00
PROJECT ISSUE DATE: 11/20/2023

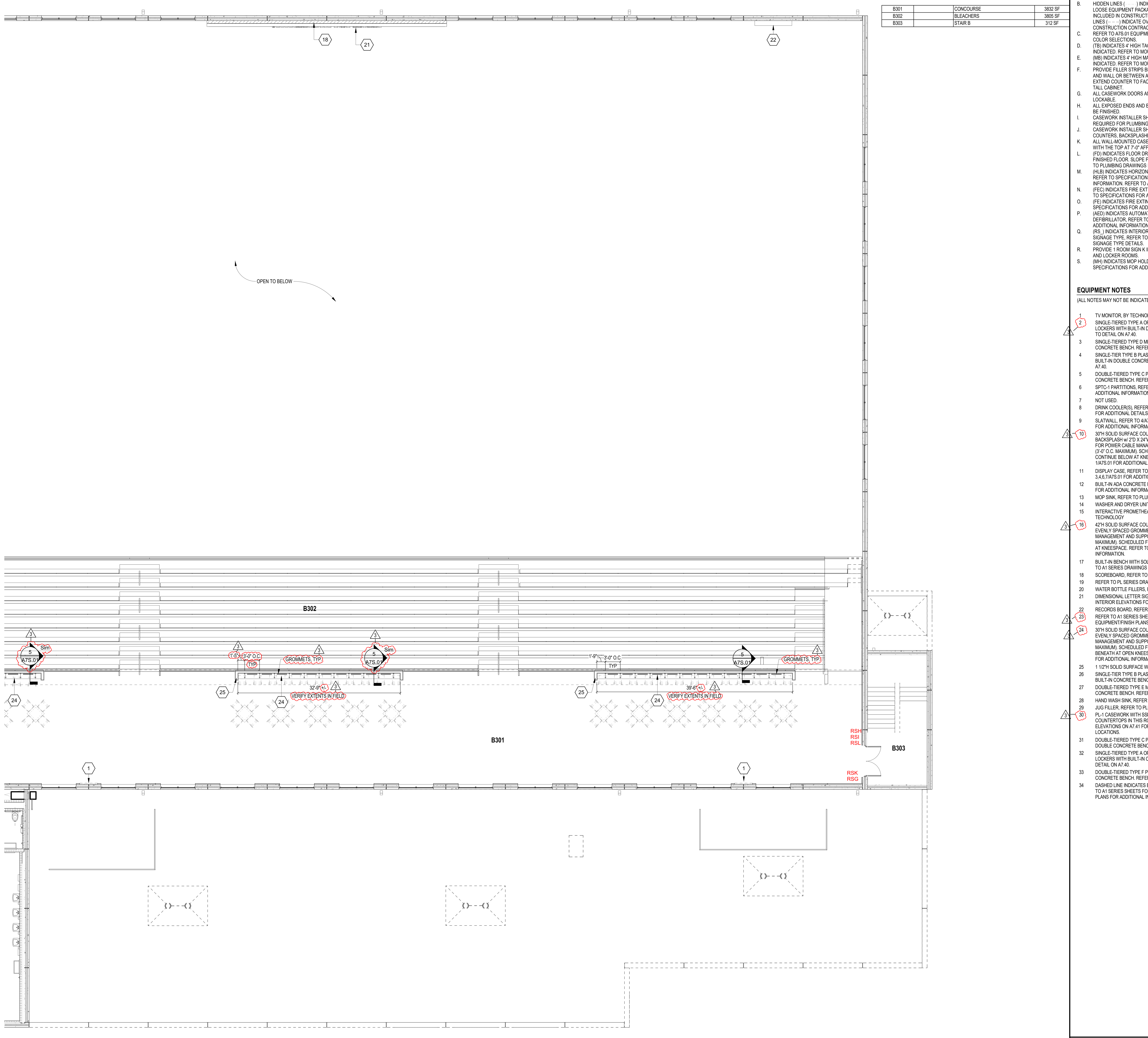
REV. NO.	DESCRIPTION	DATE
3	ADDENDUM #3	1.17.2024

UNIT A - SECOND FLOOR EQUIPMENT PLAN

A7.21

ROOM LEGEND - SECOND FLOOR UNIT B

ROOM NO.	OWNER ROOM NO.	ROOM NAME	AREA (SF)
B301		CONCOURSE	3832 SF
B302		BLEACHERS	3805 SF
B303		STAIR B	312 SF



UNIT B - SECOND FLOOR EQUIPMENT PLAN

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

EQUIPMENT GENERAL NOTES

A. ALL COUNTERTOPS TO HAVE CONTINUOUS 4" HIGH BACKSPLASHES AND ENDSPLASHES, UNLESS NOTED OTHERWISE.

B. HIDDEN LINES (- - -) INDICATE ITEMS TO BE PART OF LOOSE EQUIPMENT PACKAGE OR BY OWNER, NOT INCLUDED IN CONSTRUCTION CONTRACTS. DASHED LINES (— — —) INDICATE OVERHEAD ITEMS (INCLUDED IN CONSTRUCTION CONTRACTS).

C. REFER TO ~~A7S.01~~ EQUIPMENT LIST OF FINISHES FOR COLOR SELECTIONS.

D. (TB) INDICATES 4' HIGH TACK BOARD LENGTH AS INDICATED. REFER TO MOUNTING HEIGHT DRAWING.

E. (MB) INDICATES 4' HIGH MARKER BOARD LENGTH AS INDICATED. REFER TO MOUNTING HEIGHT DRAWING.

F. PROVIDE FILLER STRIPS BETWEEN CASEWORK UNITS AND WALL OR BETWEEN ANY UNIT AS REQUIRED. EXTEND COUNTER TO FACE OF WALL OR ADJACENT TALL CABINET.

G. ALL CASEWORK DOORS AND DRAWERS SHALL BE LOCKABLE.

H. ALL EXPOSED ENDS AND BACKS OF CASEWORK SHALL BE FINISHED.

I. CASEWORK INSTALLER SHALL CUT CASEWORK AS REQUIRED FOR PLUMBING/ELECTRICAL LINES.

J. CASEWORK INSTALLER SHALL CAULK BETWEEN COUNTERS, BACKSPLASHES, AND WALLS.

K. ALL WALL-MOUNTED CASEWORK SHALL BE MOUNTED WITH THE TOP AT 7'-0" AFF UNLESS OTHERWISE NOTED.

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M. (HLB) INDICATES HORIZONTAL LOUVERED BLINDS. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION. REFER TO A6 SERIES FOR FRAME SIZES.

N. (FEC) INDICATES FIRE EXTINGUISHER CABINET, REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.

O. (FE) INDICATES FIRE EXTINGUISHER, REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.

P. (AED) INDICATES AUTOMATED EXTERNAL DEFIBRILLATOR, REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.

Q. (RS_) INDICATES INTERIOR AND EXTERIOR PANEL SIGNAGE TYPE, REFER TO A7.30 AND A7.31 FOR SIGNAGE TYPE DETAILS.

R. PROVIDE 1 ROOM SIGN K IN EACH OFFICE, TEAM ROOM AND LOCKER ROOMS.

S. (MH) INDICATES MOP HOLDER, REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.

EQUIPMENT NOTES

X

(ALL NOTES MAY NOT BE INDICATED ON THIS SHEET)

1 TV MONITOR, BY TECHNOLOGY.

2 SINGLE-TIERED TYPE A OPEN-FACED METAL FOOTBALL LOCKERS WITH BUILT-IN DOUBLE CONCRETE BENCH. REFER TO DETAIL ON A7.40.

3 SINGLE-TIERED TYPE D METAL LOCKERS WITH BUILT-IN CONCRETE BENCH. REFER TO DETAIL ON A7.40.

4 SINGLE-TIER TYPE B PLASTIC ATHLETIC LOCKERS WITH BUILT-IN DOUBLE CONCRETE BENCH. REFER TO DETAIL ON A7.40.

5 DOUBLE-TIERED TYPE C PLASTIC LOCKERS WITH BUILT-IN CONCRETE BENCH. REFER TO DETAIL ON A7.40.

6 SPTC-1 PARTITIONS, REFER TO SPECIFICATION FOR ADDITIONAL INFORMATION.

7 NOT USED.

8 DRINK COOLER(S), REFER TO A7S.01 APPLIANCE SCHEDULE FOR ADDITIONAL DETAILS.

9 SLATWALL, REFER TO 4/A7.41 AND 7/A7.41 ENLARGED PLAN FOR ADDITIONAL INFORMATION.

10 30"H SOLID SURFACE COUNTERTOP, SSM-1 AND 4”H BACKSPLASH w/ 2”D X 24”W EVENLY SPACED GROMMETS FOR POWER CABLE MANAGEMENT AND SUPPORT BRACKETS (3’-0” O.C. MAXIMUM). SCHEDULED FLOOR FINISH TO CONTINUE BELOW AT KNEESPACE. REFER TO DETAIL 1/A7S.01 FOR ADDITIONAL INFORMATION.

11 DISPLAY CASE, REFER TO ENLARGED PLAN AND DETAILS 3,4,6,7/A7S.01 FOR ADDITIONAL INFORMATION.

12 BUILT-IN ADA CONCRETE BENCH. REFER TO DETAIL 6/A7.40 FOR ADDITIONAL INFORMATION.

13 MOP SINK, REFER TO PLUMBING DRAWINGS.

14 WASHER AND DRYER UNIT SET, REFER TO SPECIFICATIONS.

15 INTERACTIVE PROMETHEAN DISPLAY BOARD, BY TECHNOLOGY

16 42”H SOLID SURFACE COUNTERTOP, SSM-1 w/ 2”D x 24”W EVENLY SPACED GROMMETS FOR POWER CABLE MANAGEMENT AND SUPPORT BRACKETS (3’-0”O.C. MAXIMUM). SCHEDULED FLOOR FINISH TO CONTINUE BELOW AT KNEESPACE. REFER TO DETAIL 2/A7S.01 FOR ADDITIONAL INFORMATION.

17 BUILT-IN BENCH WITH SOLID PLASTIC TOP, SPTC-2. REFER TO A1 SERIES DRAWINGS FOR ADDITIONAL INFORMATION.

18 SCOREBOARD, REFER TO DIVISION 13 SPECIFICATIONS.

19 REFER TO PL SERIES DRAWINGS FOR POOL EQUIPMENT.

20 WATER BOTTLE FILLERS, REFER TO PLUMBING DRAWINGS.

21 DIMENSIONAL LETTER SIGNAGE, BY OTHERS. REFER TO INTERIOR ELEVATIONS FOR ADDITIONAL INFORMATION.

22 RECORDS BOARD, REFER TO DIVISION 13 SPECIFICATIONS.

23 REFER TO A1 SERIES SHEETS AND SECOND FLOOR EQUIPMENT/FINISH PLANS FOR BLEACHER INFORMATION.

24 30”H SOLID SURFACE COUNTERTOP, SSM-1w/ 2”D x 24”W EVENLY SPACED GROMMETS FOR POWER CABLE MANAGEMENT AND SUPPORT BRACKETS (3’-0” O.C. MAXIMUM). SCHEDULED FLOOR FINISH TO CONTINUE BENEATH AT OPEN KNEESPACE. REFER TO DETAIL 5/7S.01 FOR ADDITIONAL INFORMATION.

25 1 1/2"H SOLID SURFACE WALL CAP, SSM-1.

26 SINGLE-TIER TYPE B PLASTIC ATHLETIC LOCKERS WITH BUILT-IN CONCRETE BENCH. REFER TO DETAIL ON A7.40.

27 DOUBLE-TIERED TYPE E METAL LOCKERS WITH BUILT-IN CONCRETE BENCH. REFER TO DETAIL ON A7.40.

28 HAND WASH SINK, REFER TO PLUMBING DRAWINGS.

29 JUG FILLER, REFER TO PLUMBING DRAWINGS.

30 PL-1 CASEWORK WITH SSM-1 SOLID SURFACE COUNTERTOPS IN THIS ROOM. REFER TO INTERIOR ELEVATIONS ON A7.41 FOR 4"H BACKSPLASH INSTALLATION LOCATIONS.

31 DOUBLE-TIERED TYPE C PLASTIC LOCKERS WITH BUILT-IN DOUBLE CONCRETE BENCH. REFER TO DETAIL ON A7.40.

32 SINGLE-TIERED TYPE A OPEN-FACED METAL FOOTBALL LOCKERS WITH BUILT-IN CONCRETE BENCH. REFER TO DETAIL ON A7.40.

33 DOUBLE-TIERED TYPE F PLASTIC LOCKERS WITH BUILT-IN CONCRETE BENCH. REFER TO DETAIL ON A7.40.

34 DASHED LINE INDICATES BULKHEAD/SOFFIT ABOVE. REFER TO A1 SERIES SHEETS FOR LOCATIONS. REFER TO CEILING PLANS FOR ADDITIONAL INFORMATION.

VERIFICATION NOTE

CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CLEARANCES AND ALL EXISTING FIELD CONDITIONS BEFORE STARTING CONSTRUCTION. COMMENCEMENT OF WORK CONSTITUTES ACCEPTANCE OF CONDITIONS.

SHOULD DIFFERENT CONDITIONS BE ENCOUNTERED, CONTACT THE ARCHITECT BEFORE PROCEEDING WITH WORK.

JEFFERSONVILLE HIGH SCHOOL NATATORIUM

2315 ALLISON LN.
JEFFERSONVILLE, IN 47130

GREATER CLARK COUNTY SCHOOLS

GCCS

ARCHITECT

FANNING HOWEY

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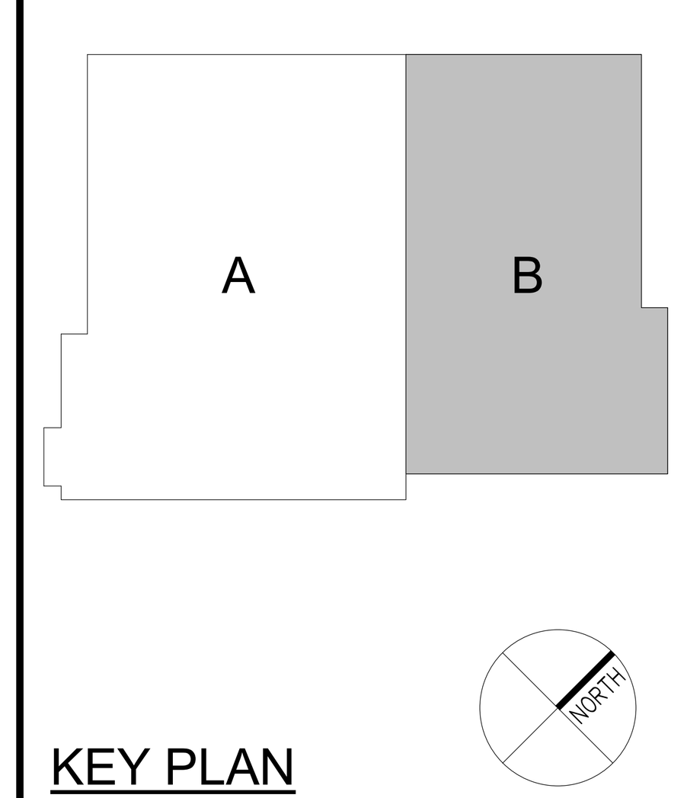

KEY PLAN

ISSUED FOR CONSTRUCTION

PAUL A. MILLER
REGISTERED
No. AR10800161
STATE OF INDIANA
ARCHITECT

PROJECT MANAGER: JM
DRAWN BY: KMS
PROJECT NUMBER: 222038.00
PROJECT ISSUE DATE: 11/20/2023

REV. NO.	DESCRIPTION	DATE
3	ADDENDUM #3	1.17.2024

UNIT B - SECOND FLOOR EQUIPMENT PLAN

A7.22

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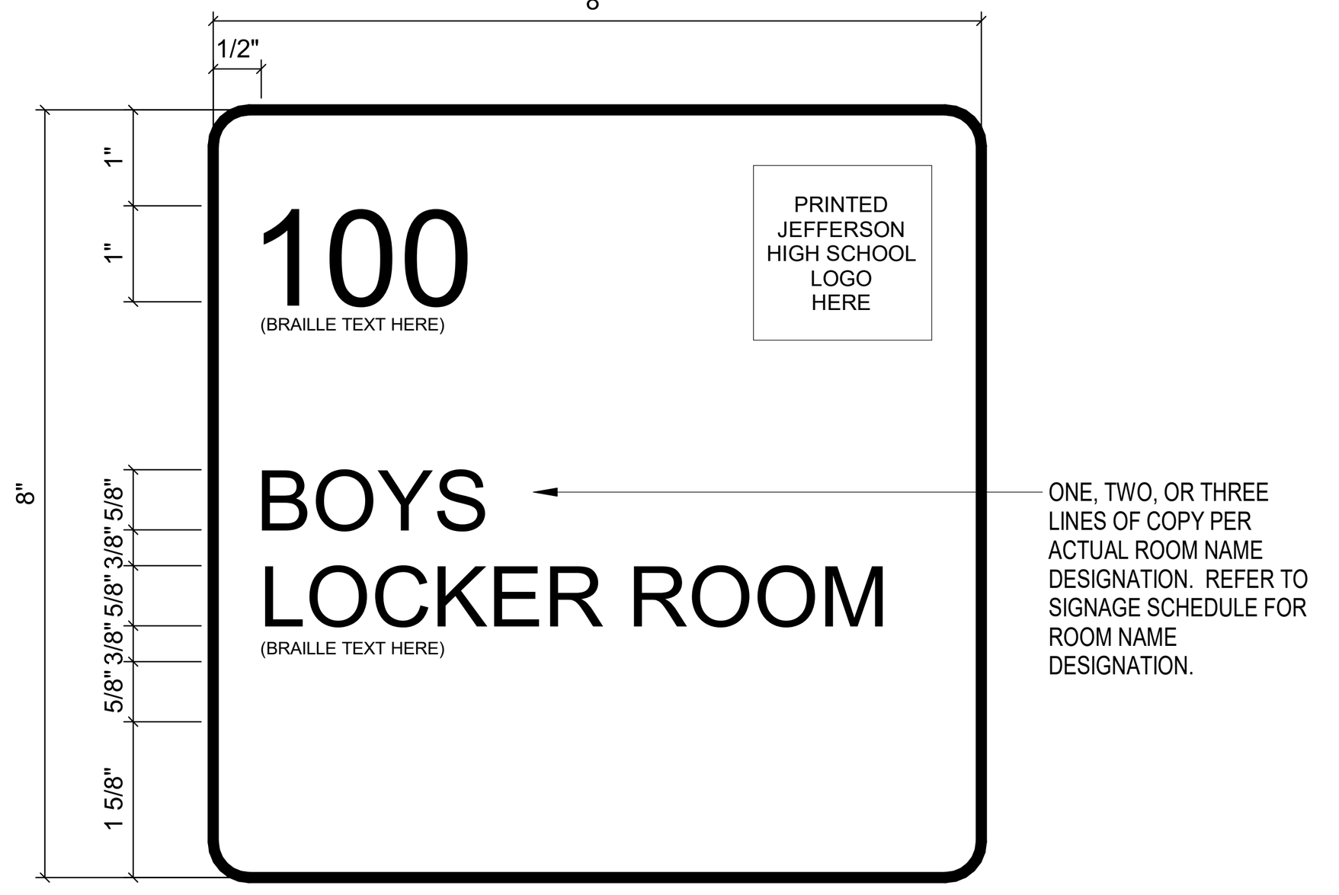
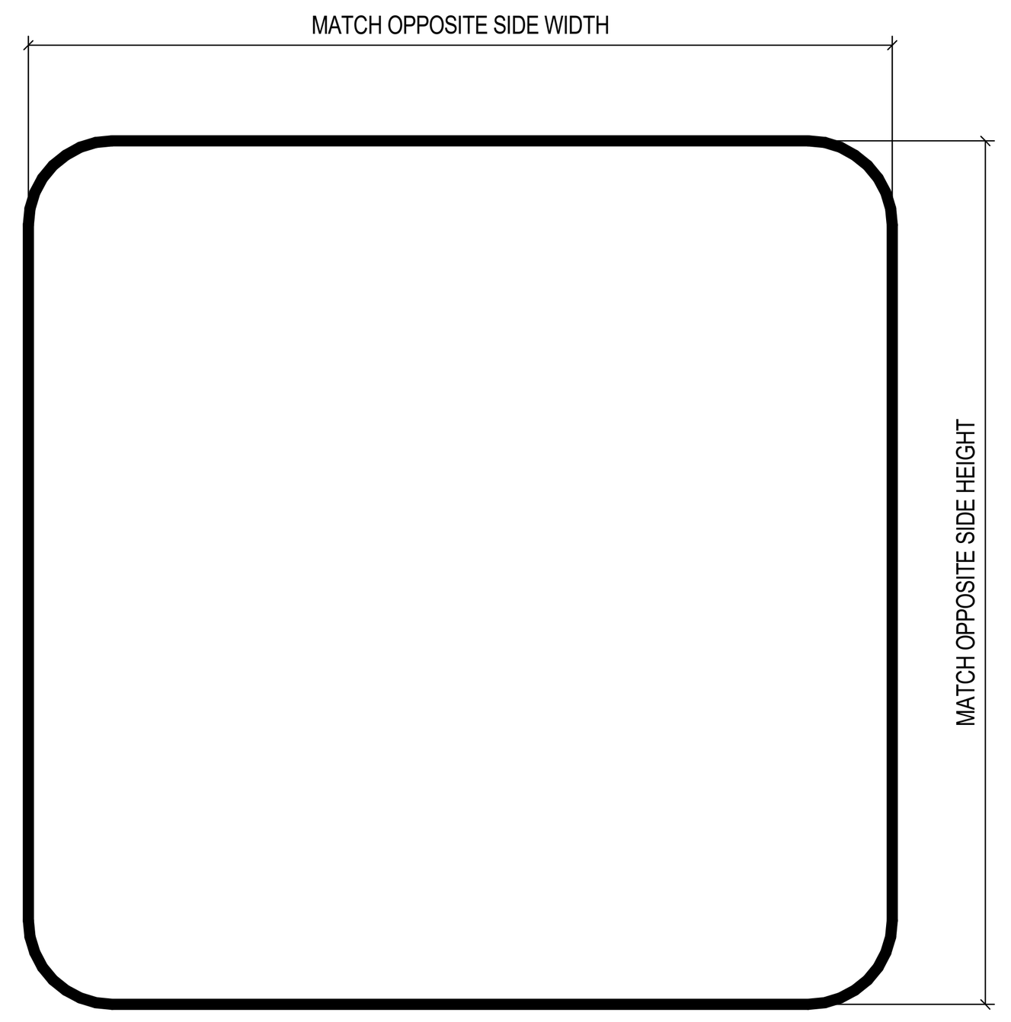


ROOM SIGN TYPE **A**

SCALE: 6"=1'-0"



ROOM SIGN TYPE **B**

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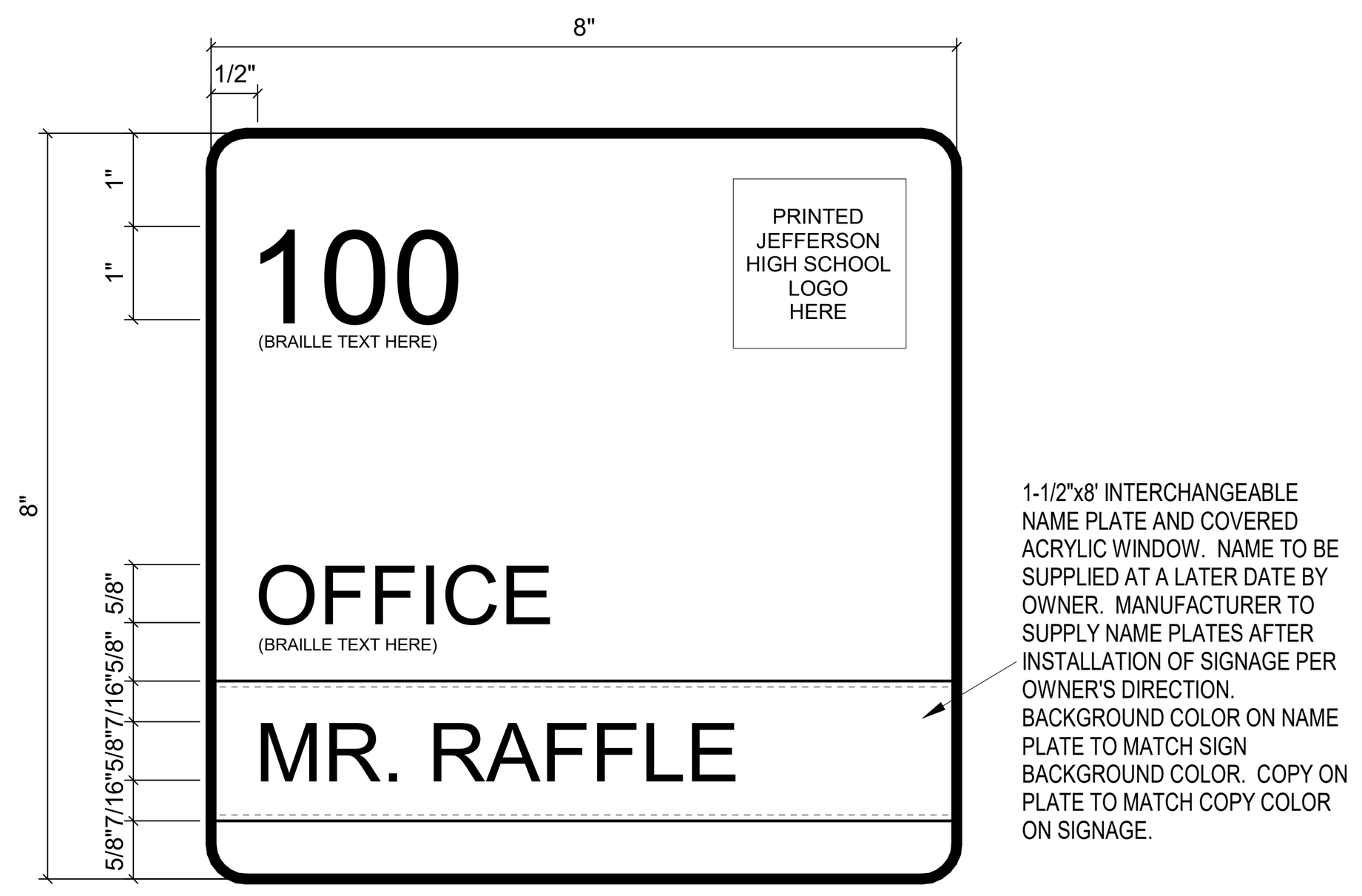

ROOM SIGN TYPE **C**

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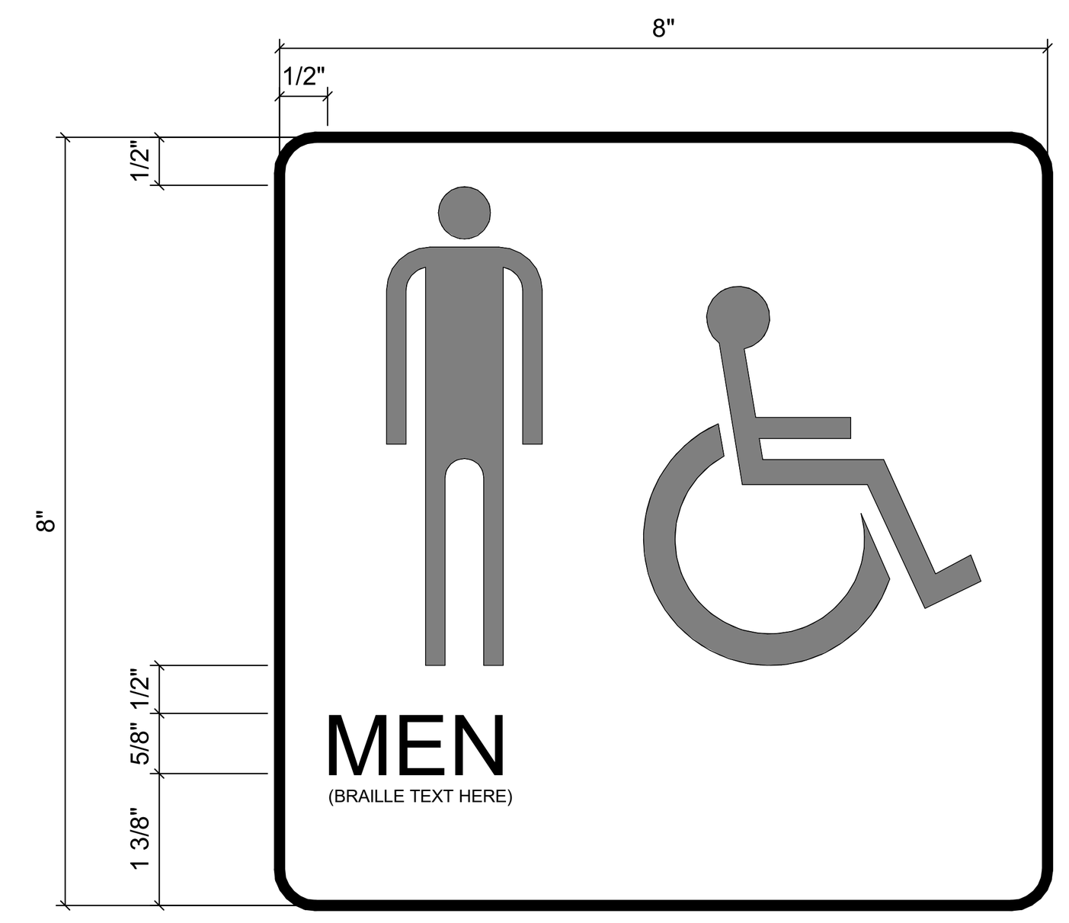
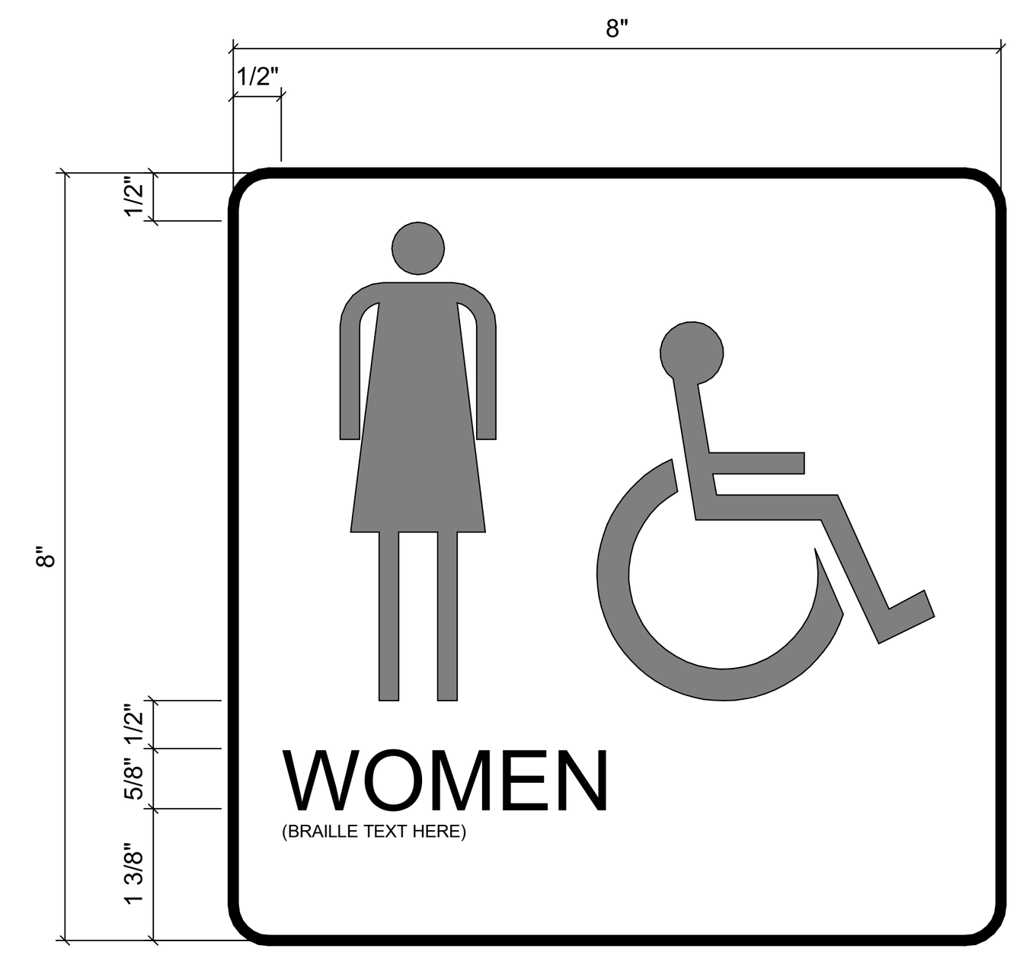


ROOM SIGN TYPE **D1**

SCALE: 6"=1'-0"

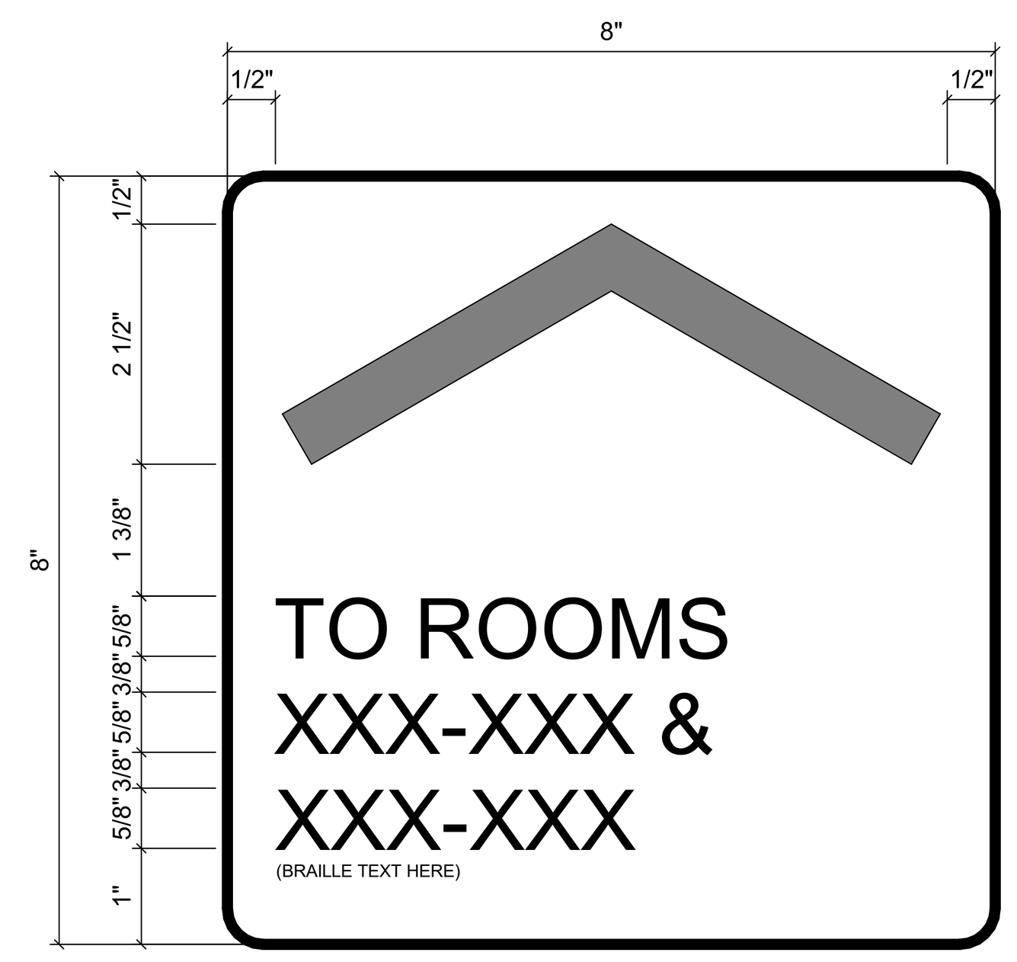


ROOM SIGN TYPE **D2**

SCALE: 6"=1'-0"

ROOM SIGN TYPE **E**

SCALE: 6"=1'-0"



ROOM SIGN TYPE **F1**

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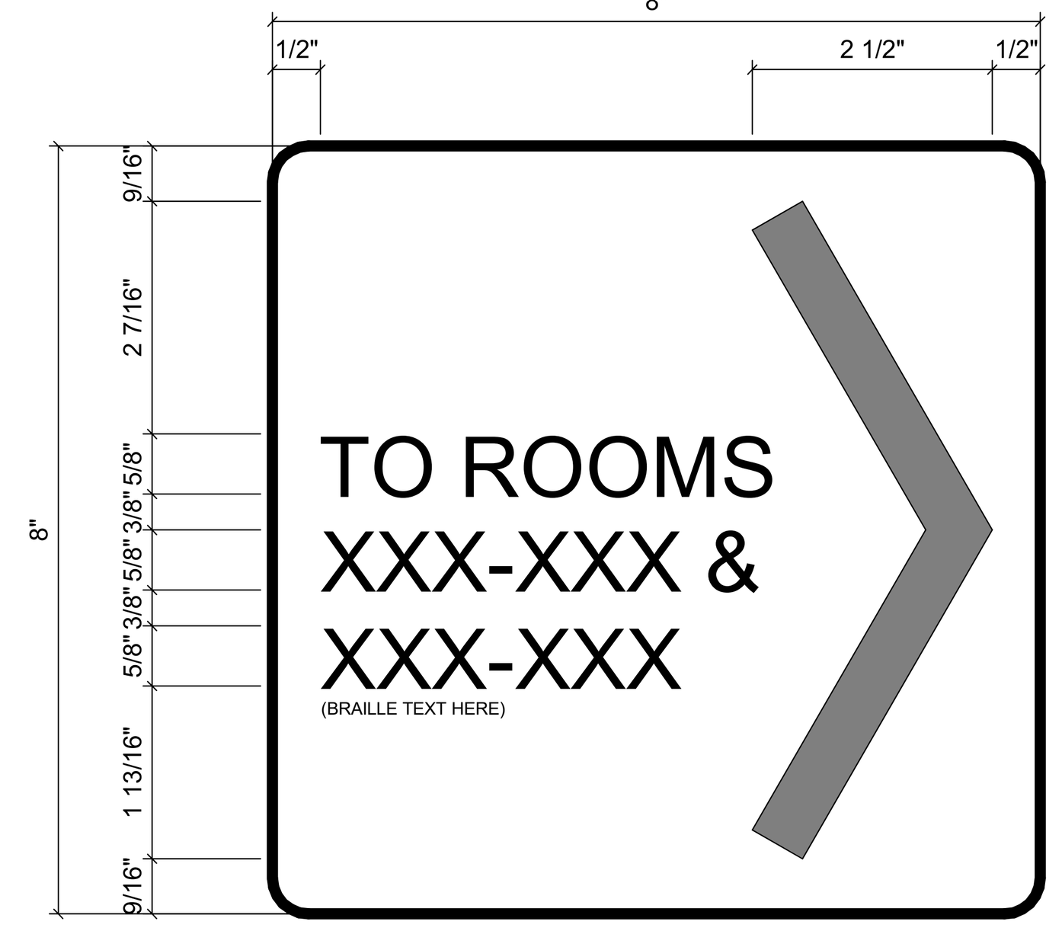

ROOM SIGN TYPE **F2**

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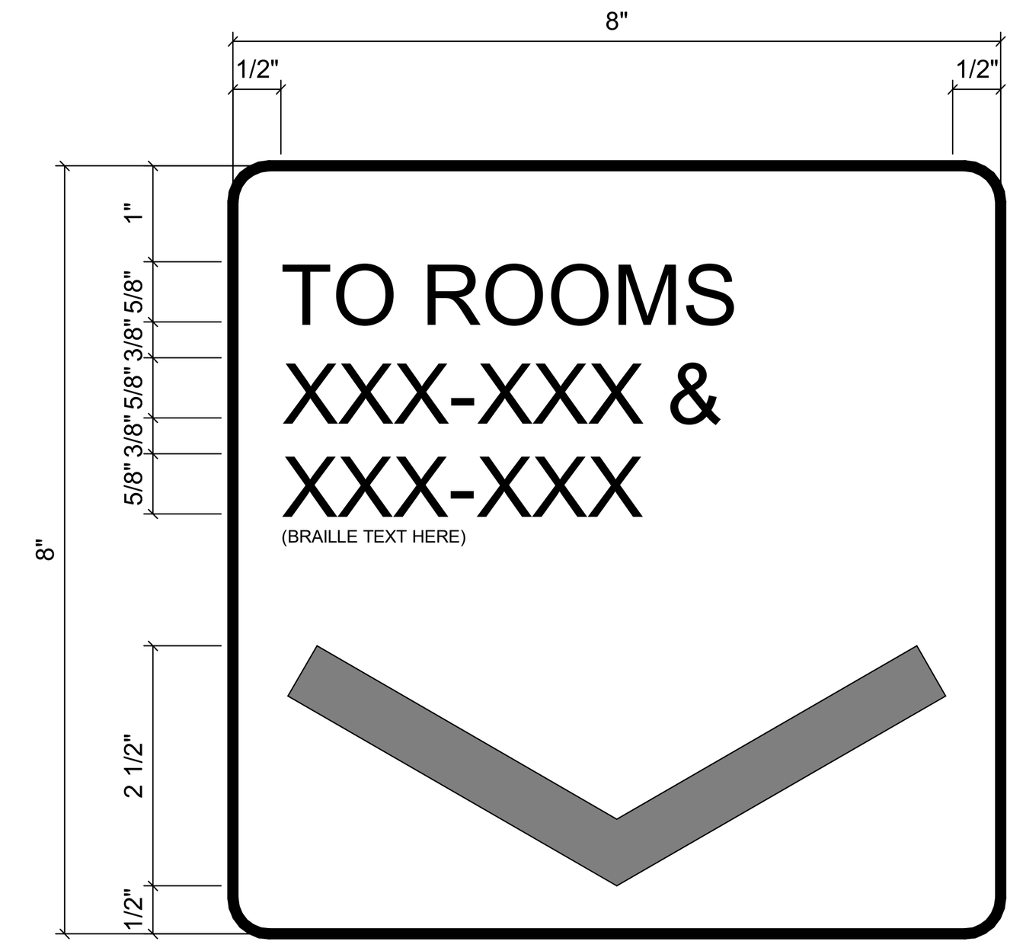

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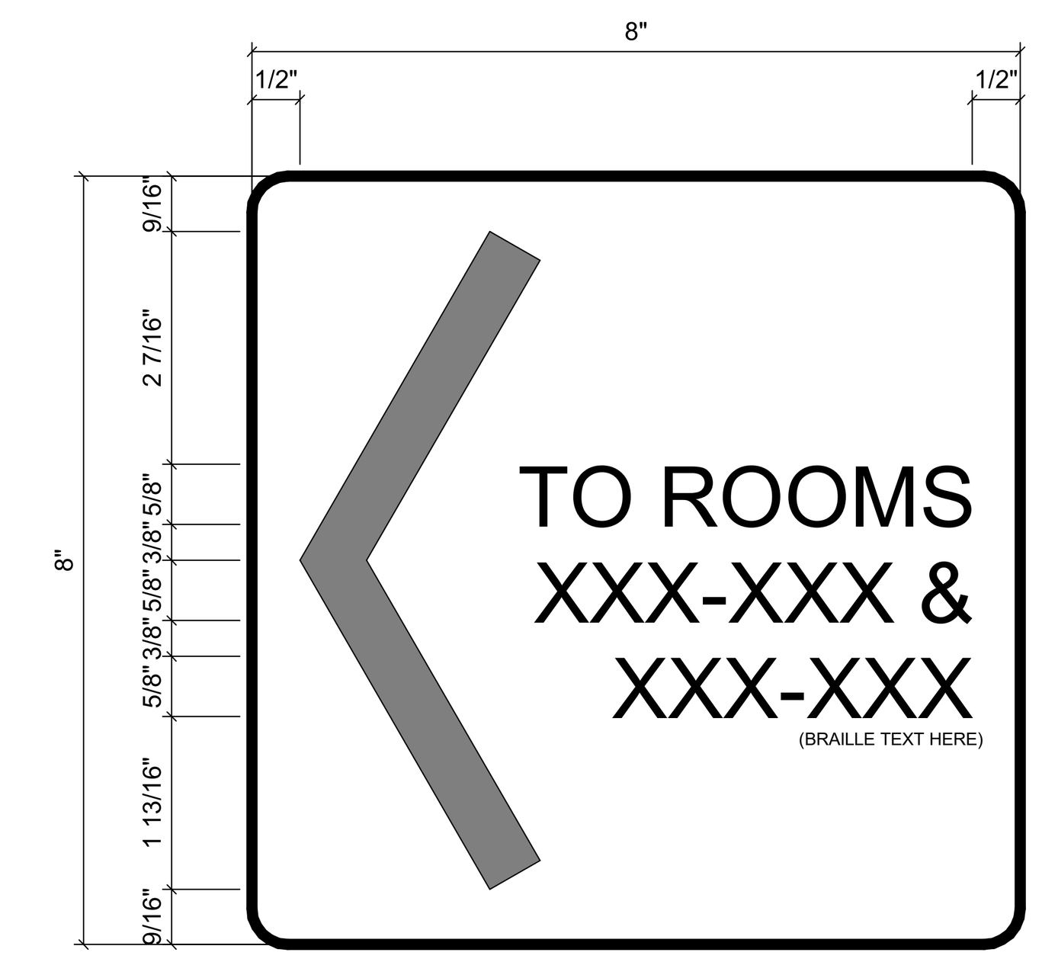
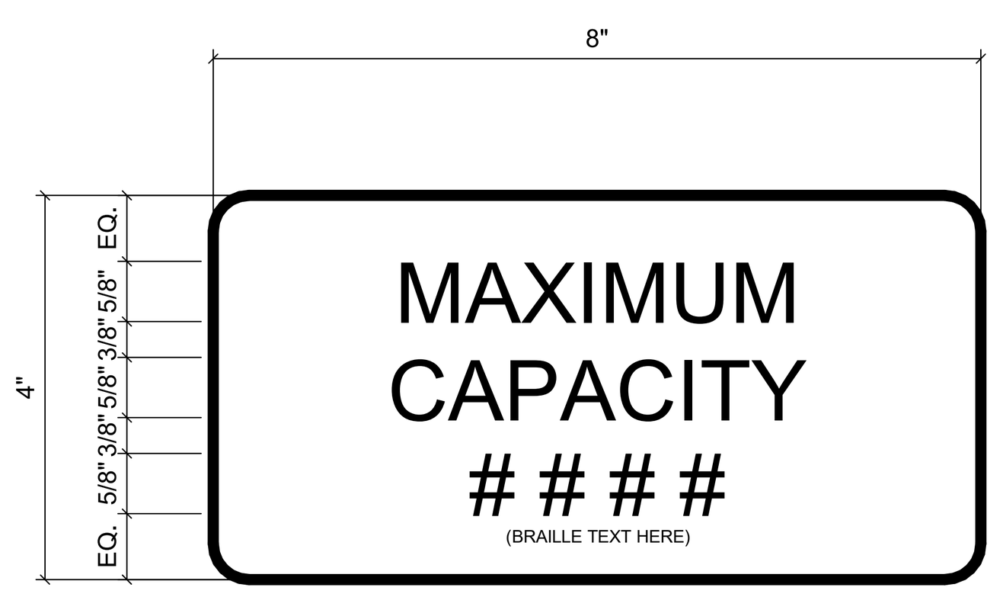


ROOM SIGN TYPE **F4**

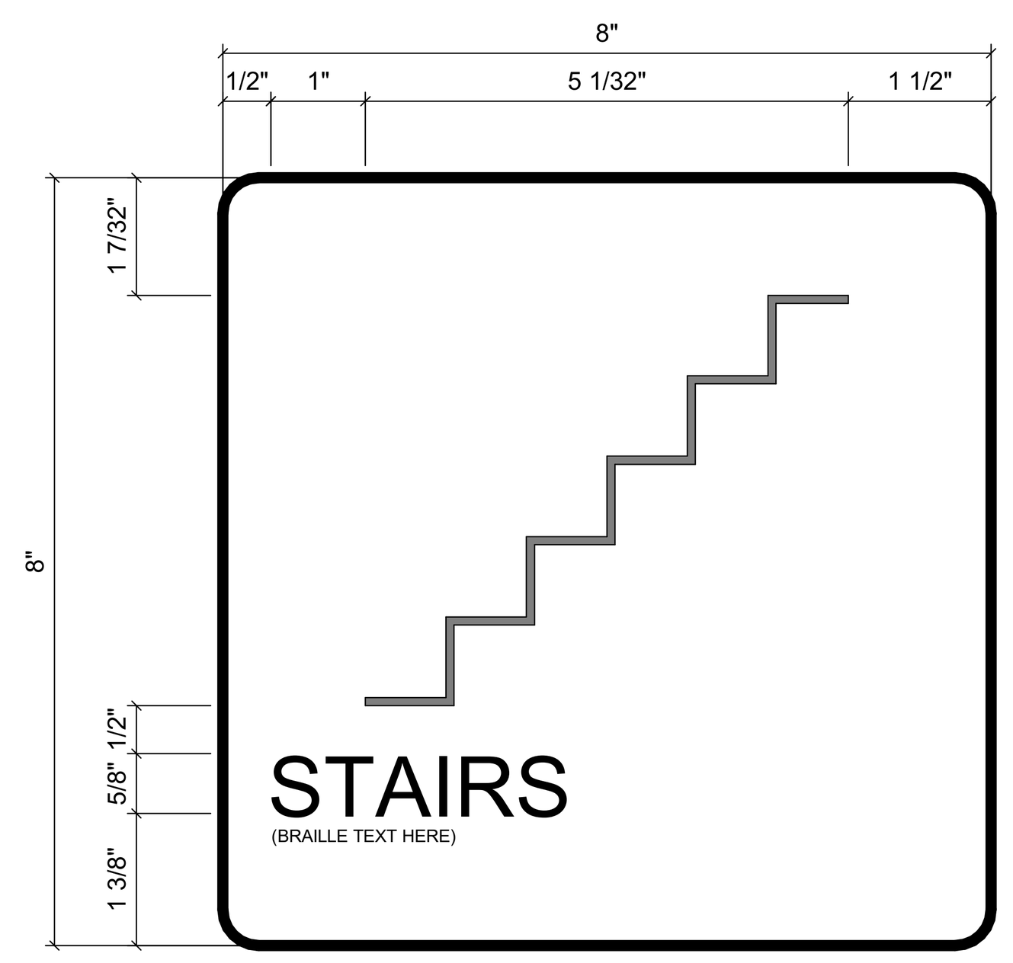
SCALE: 6"=1'-0"



- COPY CENTERED VERTICALLY AND HORIZONTALLY ON 4x8 SIGN AS INDICATED.
- RM. A109: TBD
- RM. A118: TBD
- RM. A120: TBD
- RM. A307: TBD
- RM. A310: TBD
- RM. B103: TBD
- RM. B109: TBD
- RM. B112: TBD
- RM. B118: TBD
- RM. B124: TBD
- RM. B125: TBD
- RM. B131: TBD
- RM. B138: TBD
- RM. B301: TBD

ROOM SIGN TYPE **G**

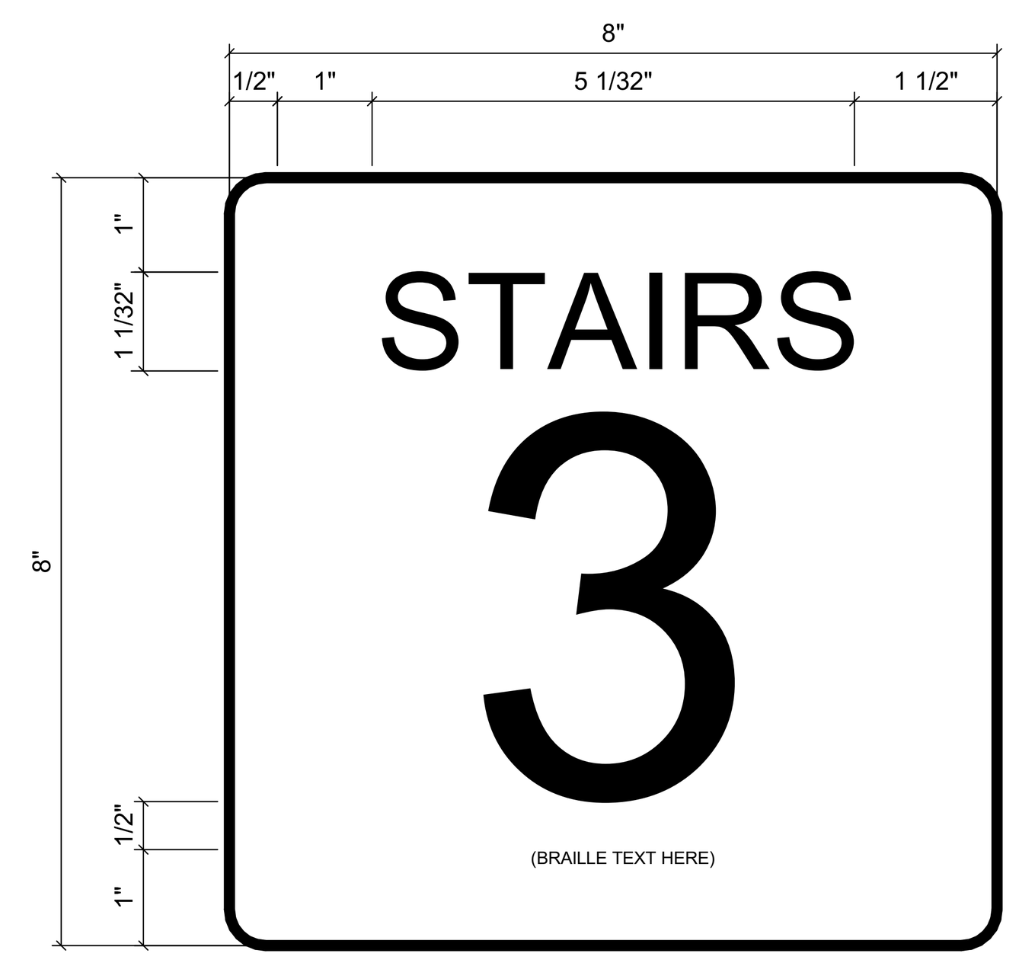
SCALE: 6"=1'-0"



- GRAPHIC CENTERED HORIZONTALLY ON 8x8 SIGN AS INDICATED.

ROOM SIGN TYPE **H**

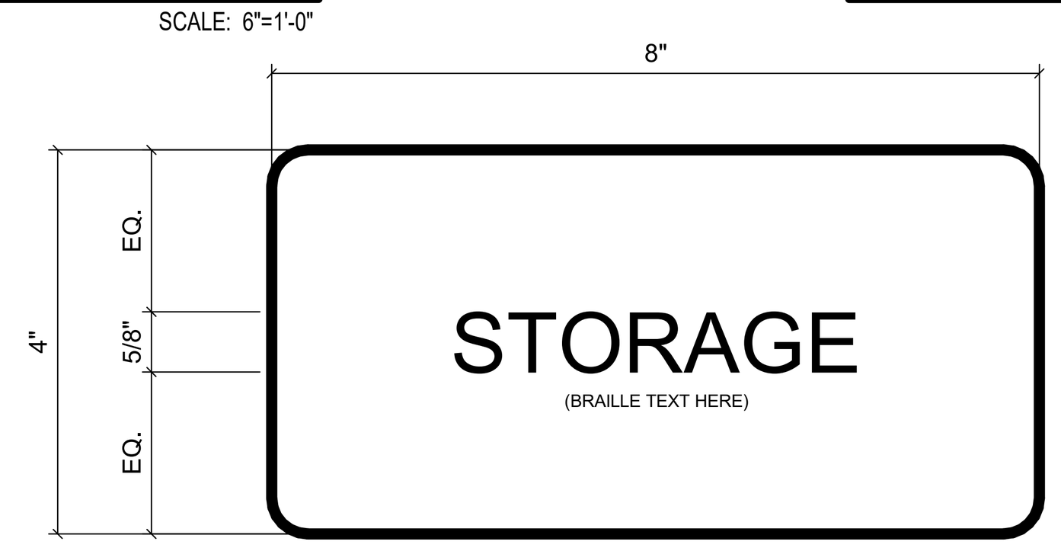
SCALE: 6"=1'-0"



- GRAPHIC CENTERED HORIZONTALLY ON 8x8 SIGN AS INDICATED.

ROOM SIGN TYPE **I**

SCALE: 6"=1'-0"



- COPY CENTERED VERTICALLY AND HORIZONTALLY ON 4x8 SIGN AS INDICATED.

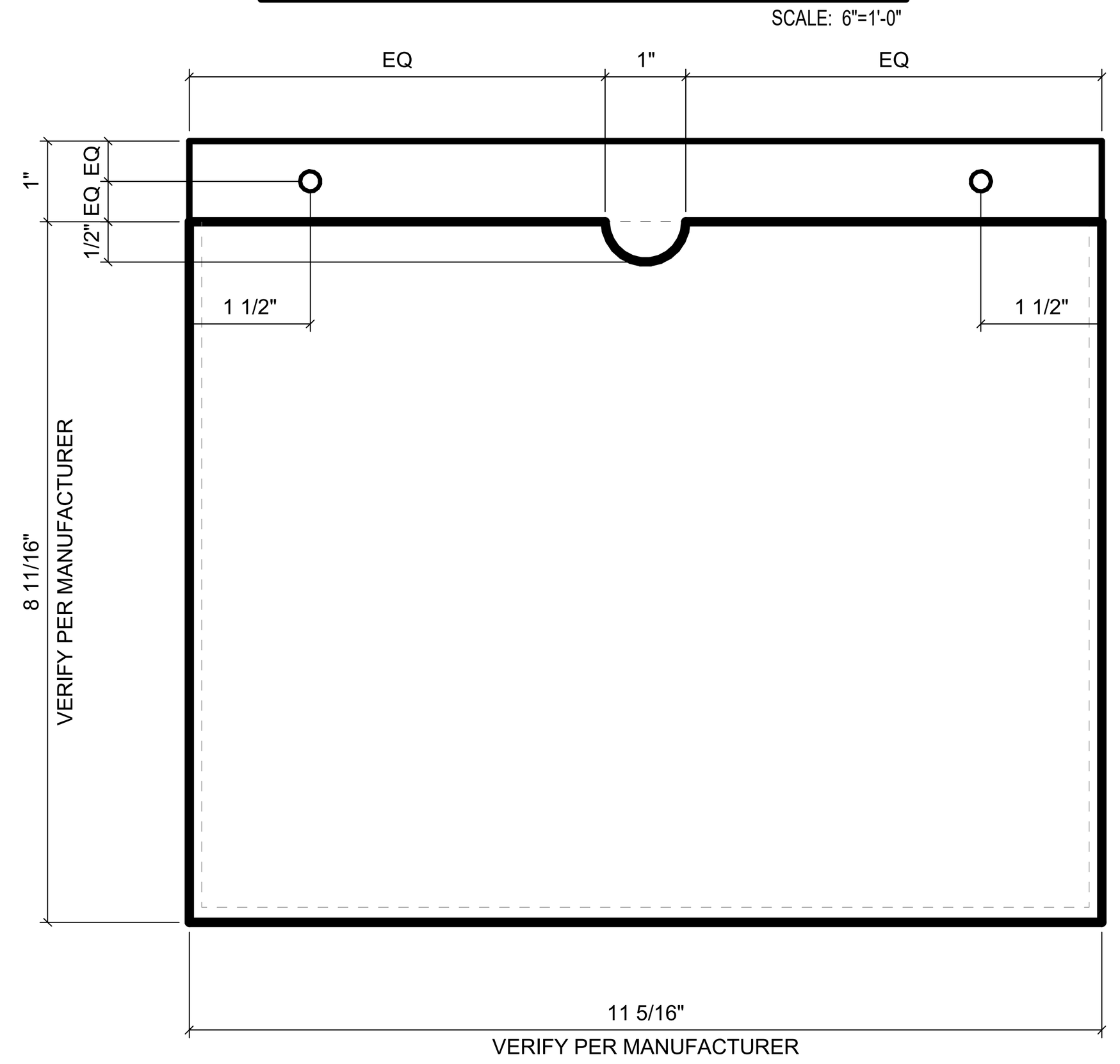
ROOM SIGN TYPE **M**

SCALE: 6"=1'-0"

- COPY/GRAPHIC CENTERED HORIZONTALLY ON 8x8 SIGN AS INDICATED.

ROOM SIGN TYPE **J**

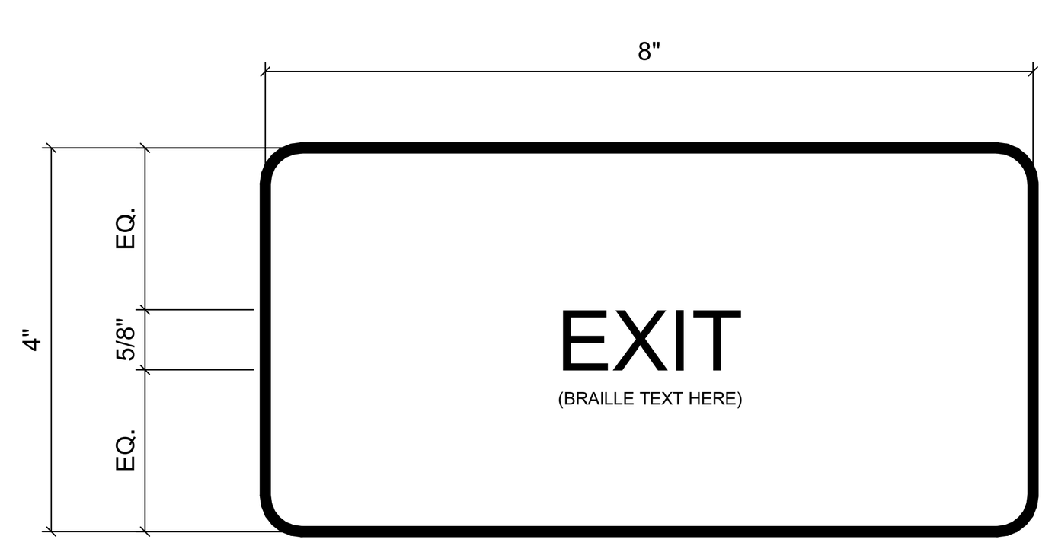
SCALE: 6"=1'-0"



- ACRYLIC WALL MOUNT SIGN HOLDER TO BE MANUFACTURED IN ORDER TO FIT STANDARD 8.5"x11" SIGN IN LANDSCAPE ORIENTATION.
- 3 CLOSED SIDES.
- MECHANICALLY FASTENED TO WALL AT DESIGNATIONS INDICATED ON PLANS.
- PRE-DRILLED MOUNTING HOLES AT REAR ACRYLIC PANEL ONLY TO BE LOCATED AT 1" EXTENSION TAB AS SHOWN.
- INCLUDE THUMB NOTCH AT FRONT ACRYLIC PANEL ONLY.
- COORDINATE INSTALLATION OF SIGNS WITH OWNER PRIOR TO FIELD INSTALLATION TO AVOID ALL CONFLICTS WITH OBSTRUCTIONS.

ROOM SIGN TYPE **K**

SCALE: 6"=1'-0"



- COPY CENTERED VERTICALLY AND HORIZONTALLY ON 4x8 SIGN AS INDICATED.

ROOM SIGN TYPE **L**

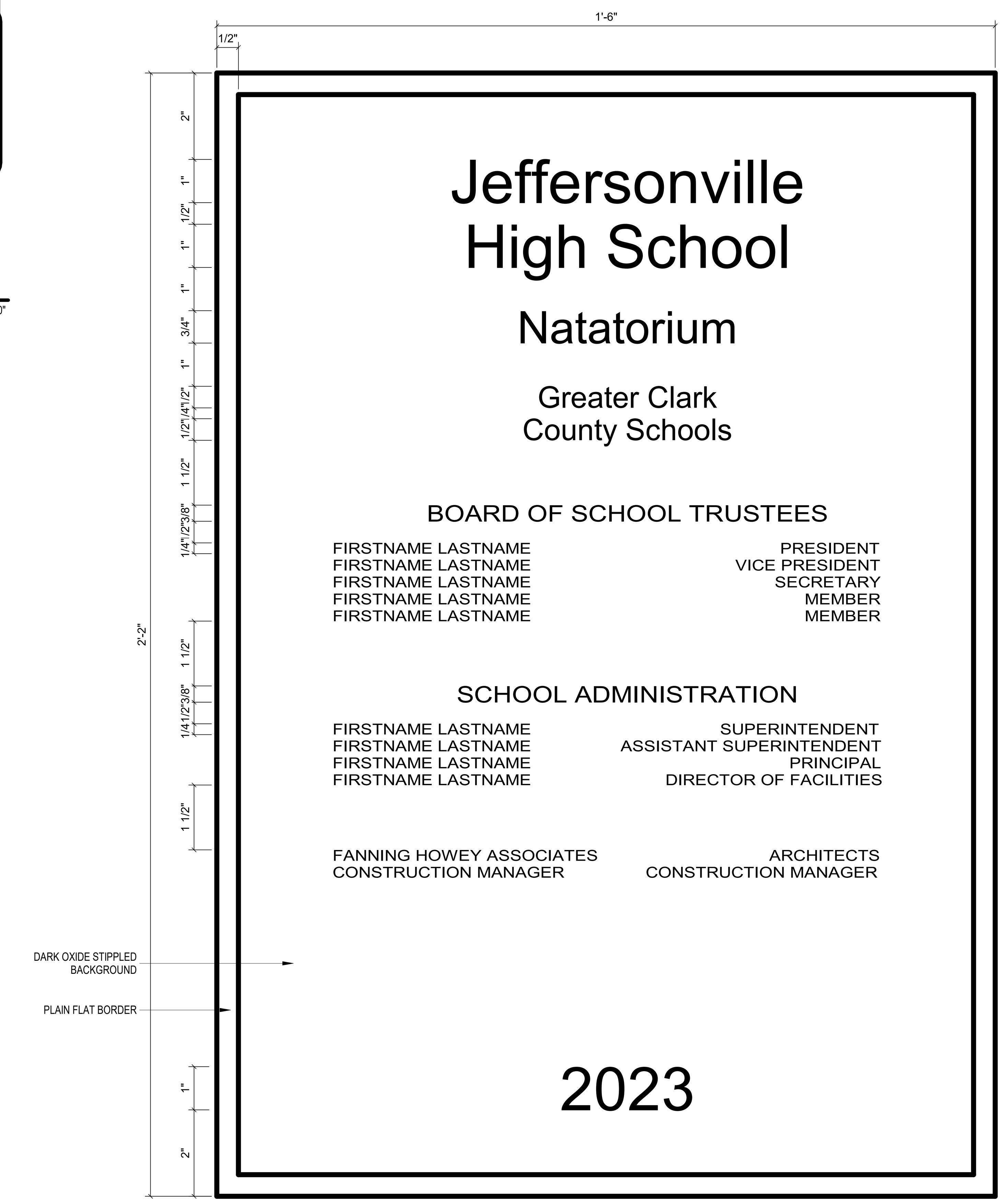
SCALE: 6"=1'-0"

INTERIOR PANEL SIGNAGE GENERAL NOTES: (REFER TO SPECIFICATIONS)

SIGN BACKGROUND COLOR:
MATCH P-13 (REFER TO A8.0)

COPY/GRAPHIC COLOR:
WHITE 3

- COPY (ROOM NUMBERS & ROOM DESIGNATIONS) TO BE SUPPLIED AT A LATER DATE UPON RECEIPT OF OWNER SUPPLIED ROOM NUMBERS AND ROOM DESIGNATIONS.
- SIGN TO HAVE 3/8" RADIUS CORNERS, TYP.
- REFER TO PROJECT MANUAL FOR ADDITIONAL INFORMATION.
- ALL DIMENSIONS INDICATED ARE TYPICAL PER SIGN TYPE, UNLESS NOTED OTHERWISE.



- CAST BRONZE PLAQUE w/ POLISHED SATIN FINISH,RAISED TEXT w/ PLAIN FLAT BORDER AND STIPPLED BACKGROUND.

ROOM SIGN TYPE **N**

SCALE: 6"=1'-0"

JEFFERSONVILLE HIGH SCHOOL NATATORIUM

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FANNING HOWEY

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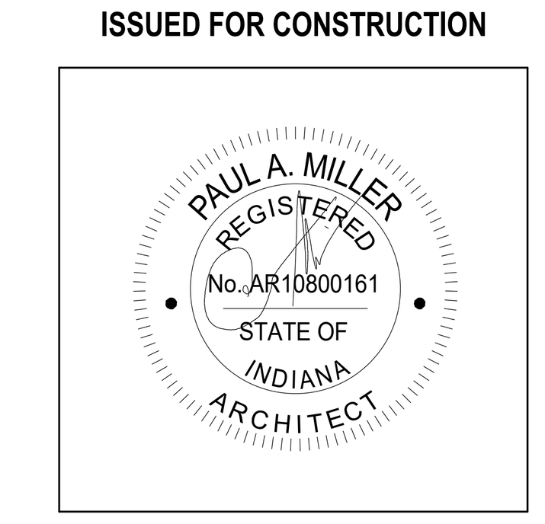
ISSUED FOR CONSTRUCTION



PROJECT MANAGER: JM
DRAWN BY: KMS
PROJECT NUMBER: 222038.00
PROJECT ISSUE DATE: 11/20/2023

REV. NO.	DESCRIPTION	DATE
3	ADDENDUM #3	1.17.2024

INTERIOR SIGN TYPES

A7.30

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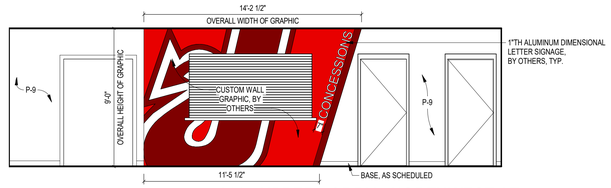
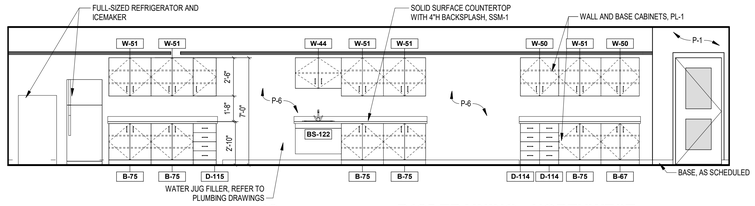


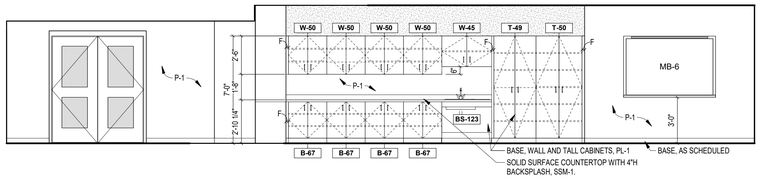
11 A305 UPPER LOBBY - NORTHWEST AT CASEWORK SURROUND

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



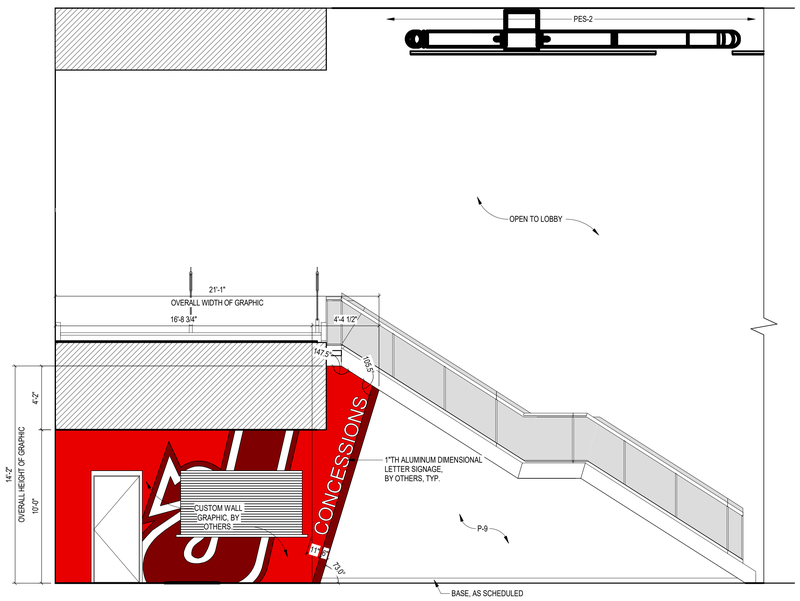
12 B125 TRAINING - NORTHWEST

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



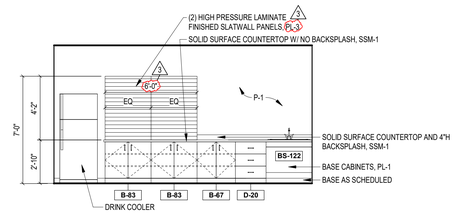
13 A118 TEAMS - SOUTHEAST

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



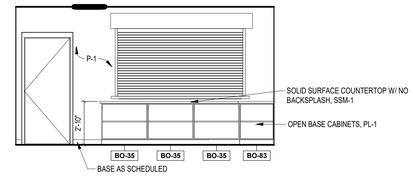
14 A102 LOBBY - SOUTH EAST AT CONCESSIONS

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



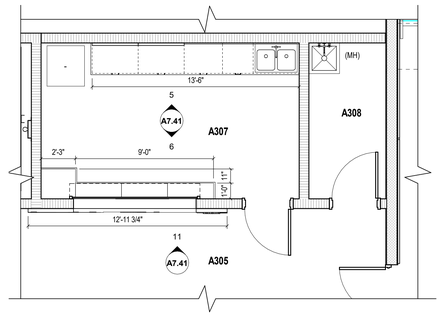
5 A307 UPPER CONCESSIONS - NORTHWEST

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



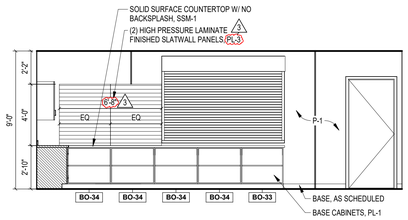
6 A307 UPPER CONCESSIONS - SOUTHEAST

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



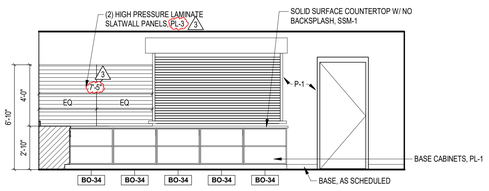
7 A307 UPPER CONCESSIONS - ENLARGED PLAN

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



8 A116 CONCESSIONS - SOUTHEAST

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



9 A116 CONCESSIONS - NORTHWEST

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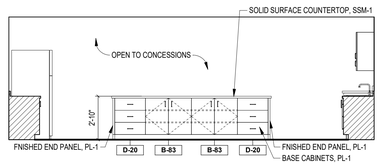
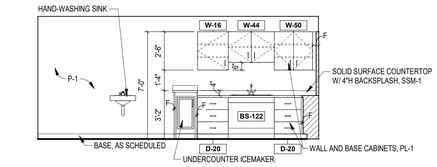


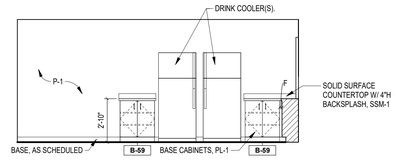
10 A116 CONCESSIONS ISLAND CASEWORK - NORTHWEST

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



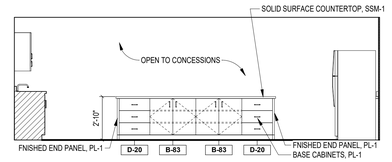
1 A116 CONCESSIONS - NORTHEAST

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



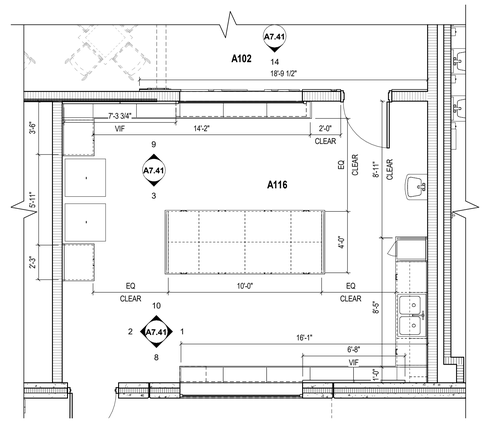
2 A116 CONCESSIONS - SOUTHWEST

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



3 A116 CONCESSIONS ISLAND CASEWORK - SOUTHEAST

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



4 A116 CONCESSIONS - ENLARGED PLAN - PLAN

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

CASEWORK LEGEND

XX-XXX ← CABINET TYPE (REF. TO CASEWORK SCHEDULE)

ABBREVIATIONS

(ALL NOTES MAY NOT BE INDICATED ON THIS SHEET)

B	- BASE CABINET
BS	- SINK BASE CABINET
D	- DRAWER CABINET
EP	- END PANEL
F	- FILLER STRIP / FILLER PANEL
FE	- FINISHED END
KS	- KNEE SPACE
MB	- MARKERBOARD
T	- TALL CABINET
TWS	- TACKABLE WALL SURFACE
W	- WALL CABINET
WDF	- WARDROBE FILE CABINET
WDH	- WARDROBE TECHNOLOGY CABINET
WS	- WORKSURFACE SUPPORT

VERIFICATION NOTE

SHOULD DIFFERENT CONDITIONS BE ENCOUNTERED, CONTACT THE ARCHITECT BEFORE PROCEEDING WITH WORK.

JEFFERSONVILLE HIGH SCHOOL NATATORIUM

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ISSUED FOR CONSTRUCTION

PAULA A. MILLER REGISTERED No. AR10800161 STATE OF INDIANA ARCHITECT

PROJECT MANAGER: JM
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PROJECT NUMBER: 222038.00
PROJECT ISSUE DATE: 11/20/2023

REV. NO.	DESCRIPTION	DATE
3	ADDENDUM #3	1.17.2024

ENLARGED PLANS AND CASEWORK ELEVATIONS

A7.41

APPLIANCE SCHEDULE

*APPLIANCES TO BE PURCHASED & INSTALLED BY CONTRACTOR, OWNER TO APPROVE APPLIANCE SELECTIONS PRIOR TO PROCUREMENT

ITEM NO.	ITEM DESCRIPTION	ELEC. FIELD CONNECTION
A-1	**UNDER-COUNTER ICE MAKER** • SILVER HINGED-DOOR • 45LBS/24 HR SQUARE ICE PRODUCTION • INCLUDES 25 LBS BIN • AR-2800 WATER FILTER INTEGRATED IN UNIT • 33 1/2"H x 14 3/4"W x 22 3/4"D • MANITOWOC USE0050A CRYSTALCRAFT PREMIER ICE MACHINE	115V/60Hz/ 1-ph
A-2	**HOSPITALITY BEVERAGE REFRIGERATOR** • BLACK GLASS DOOR w/ LEFT/RIGHT -HINGED DOOR AND ELECTRONIC SMART LOCK • HOLD OPEN DOOR FEATURE • HYDROCARBON SERIES • NO DISPENSER • FLOW TRAK 160Z • 78"H x 30"W x 33 5/8"D • COLOR: BLACK w/ STAINLESS STEEL INTERIOR • BEVERAGE-AIR MARKET MAX REFRIGERATOR MMR27HC-1-BS-IQ (RIGHT HINGED)/ MMR27HC-1-BS-1B-IQ (LEFT HINGED)	115V/ 3 AMPS/ 60 Hz
A-3	**REFRIGERATOR WITH FREEZER** • STAINLESS STEEL ALL-AROUND COOLING LED-LIT INTERIOR TOP FREEZER REFRIGERATOR • ALL-AROUND COOLING, MULTI-VENT TECHNOLOGY • 15.6 CUBIC FEET • REFRIDGERATOR INCLUDES 4 TEMPER GLASS SHELVES, 1 CRISPER, 2 GALLON BINS, 1 REGULAR BIN , 2 EGG TRAYS • FREEZER INCLUDES 1 TEMPER GLASS SHELF AND 2 REGULAR BINS • 66 7/8"H x 27 5/8"W x 29 1/4"D • SAMSUNG TOP FREEZER REFRIGERATOR RT16A6195SR	?
A-4	**FULL-SIZED ICEMAKER** • STAINLESS STEEL AIR-COOLED IT0300 ICE CUBE MACHINE ON A D400 STORAGE BIN • MINIMUM CLEARANCE REQUIREMENTS INCLUDE 5" AT THE BACK OF UNIT AND 8" CLEAR ON EITHER SIDE AND TOP OF UNIT • BIN STORAGE UP TO 365LBS. • 54 1/2"H x 30"W x 34"D • MANITOWOC IDT0300A-161 INDIGO NXT	115V/8.8 APMPS/60 Hz

ATHLETIC EQUIPMENT SCHEDULE

*ATHLETIC EQUIPMENT TO BE PURCHASED & INSTALLED BY CONTRACTOR, OWNER TO APPROVE EQUIPMENT SELECTIONS PRIOR TO PROCUREMENT

ITEM NO.	ITEM DESCRIPTION	ELEC. FIELD CONNECTION
PE-1	• HEAVY-DUTY STEEL TUBING, 1 1/4" MINIMUM. • LOCKING CASTORS, WEIGHTED FOR 950 LBS. MINIMUM. • DIMENSIONS: 6'-3"W x 2'-2 1/2"D x 6'-10"H. • POWDER COAT FINISH FOR MOISTURE • BASIS OF DESIGN: GEARGRID GEARCART	N/A
PE-2	**SHOULDER PAD CART: MODULAR** • HEAVY-DUTY STEEL TUBING, 1 1/4" MINIMUM. • HOLDS UP TO 25 SHOULDER PADS • HEAVY-DUTY SWIVELCASTORS • DIMENSIONS: 3'-11 1/8"W xZ'-0 1/2"D x 5'10"H	N/A
PE-3	**BULK EQUIPMENT STORAGE SYSTEM: MODULAR** • HEAVY-DUTY STEEL SQUARE TUBING • LOCKING CASTORS, WEIGHTED FOR 950 LBS. MINIMUM. • INCLUDES DOOR PADLOCK HASP, LOCKS NOT IMCLUDED. • INCLUDE SHELVING AND HANG BARS, AS NEEDED. • DIMENSIONS: 4'-1 1/2"W x 2'11"D x 6'-2 1/2"H	N/A
PE-4	**EQUIPMENT STORAGE PANELS: WALL-MOUNTED** • HEAVY-DUTY STEEL TUBING, 1 1/4" MINIMUM. • ATTACHED TO WALL WITH HEAVY-DUTY 11-GAUGE WALL MOUNT BRACKETS • DIMENSIONS: 4'-0"W x 2'1 1/4"H	N/A
PE-5	**EQUIPMENT REPAIR/STORAGE WORKSTATION: MODULAR** • HEAVY-DUTY STEEL TUBING • LOCKING CASTORS, WEIGHTED FOR 950 LBS. MINIMUM. • INCLUDES DOOR PADLOCK HASP, LOCKS NOT IMCLUDED. • DIMENSIONS: 4'-3"W x 2'-6"D x 3'-5"H	N/A

CASEWORK SCHEDULE

TYPE	NO.	SIZE W	SIZE D	SIZE H	DESCRIPTION
B	59	2'-3"	2'-0"	2'-10"	BASE UNIT WITH TWO ADJUSTABLE SHELVES AND TWO HINGED DOORS.
B	67	2'-6"	2'-0"	2'-10"	BASE UNIT WITH TWO ADJUSTABLE SHELVES AND TWO HINGED DOORS.
B	75	2'-9"	2'-0"	2'-10"	BASE UNIT WITH TWO ADJUSTABLE SHELVES AND TWO HINGED DOORS.
B	83	3'-0"	2'-0"	2'-10"	BASE UNIT WITH TWO ADJUSTABLE SHELVES AND TWO HINGED DOORS.
BO	33	2'-9"	1'-1"	2'-10"	OPEN BASE UNIT WITH ONE ADJUSTABLE SHELF.
BO	34	2'-10"	1'-1"	2'-10"	OPEN BASE UNIT WITH ONE ADJUSTABLE SHELF.
BO	35	3'-0"	1'-1"	2'-10"	OPEN BASE UNIT WITH ONE ADJUSTABLE SHELF.
BO	83	2'-3"	2'-0"	2'-10"	OPEN BASE UNIT WITH ONE ADJUSTABLE SHELF.
BS	122	3'-0"	2'-0"	2'-0"	ADULT ADA SINK BASE UNIT WITH A REMOVABLE ACCESS PANEL.
BS	123	3'-3"	2'-0"	2'-0"	ADULT ADA SINK BASE UNIT WITH A REMOVABLE ACCESS PANEL.
D	20		2'-0"	2'-10"	DRAWER UNIT WITH THREE EQUAL DRAWERS. 6-1/2 INCHES DEEP INSIDE.
D	114	1'-3"	2'-0"	2'-10"	DRAWER UNIT WITH FOUR EQUAL DRAWERS. 4-1/2 INCHES DEEP INSIDE.
D	115	1'-6"	2'-0"	2'-10"	DRAWER UNIT WITH FOUR EQUAL DRAWERS. 4-1/2 INCHES DEEP INSIDE.
T	49	2'-9"	2'-0"	7'-0"	TALL UNIT WITH FIVE ADJUSTABLE SHELVES AND TWO HINGED DOORS.
T	50	3'-0"	2'-0"	7'-0"	TALL UNIT WITH FIVE ADJUSTABLE SHELVES AND TWO HINGED DOORS.
W	14	1'-6"	1'-2"	2'-6"	WALL UNIT WITH ONE ADJUSTABLE SHELF AND ONE HINGED DOOR.
W	16	2'-0"	1'-2"	2'-6"	WALL UNIT WITH ONE ADJUSTABLE SHELF AND ONE HINGED DOOR.
W	44	3'-0"	1'-2"	2'-0"	WALL UNIT WITH ONE ADJUSTABLE SHELF AND TWO HINGED DOORS
W	45	3'-3"	1'-2"	2'-0"	WALL UNIT WITH ONE ADJUSTABLE SHELF AND TWO HINGED DOORS
W	50	2'-6"	1'-2"	2'-6"	WALL UNIT WITH ONE ADJUSTABLE SHELF AND TWO HINGED DOORS.
W	51	2'-9"	1'-2"	2'-6"	WALL UNIT WITH ONE ADJUSTABLE SHELF AND TWO HINGED DOORS.

LIST OF FINISHES

REFER TO A7 ARCH. DWG. SHEETS

EQUIPMENT MATERIALS

HORIZONTAL LOUVERED BLINDS

MATERIAL ABBREVIATION	MATERIAL/MANUFACTURER	COLOR SELECTION
HLB-1	REFER TO SPECIFICATIONS	TO BE SELECTED

KICKPLATES

STAINLESS STEEL

LOCKERS

LKRS-A & B	REFER TO SPECIFICATIONS	STANDARD BLACK, TO BE SELECTED
LKRS-C & D	REFER TO SPECIFICATIONS	STANDARD BLACK, TO BE SELECTED
LKRS-E & F	REFER TO SPECIFICATIONS	STANDARD BLACK, TO BE SELECTED

MARKERBOARD

WHITE

PLASTIC LAMINATE

MATERIAL ABBREVIATION	MATERIAL/MANUFACTURER	COLOR SELECTION
PL-1 (CASEWORK)	NEVAMAR	MACCHIATO WF0011
PL-2 (DISPLAY CASE)	FORMICA	STORM SOLID2 3505-SP
PL-3 (LAT.WALL)	NEVAMAR	CALM DISTINCTION VA6001T

SHOWER CURTAINS

WHITE

SOLID SURFACE MATERIAL

MATERIAL ABBREVIATION	MATERIAL/MANUFACTURER	COLOR SELECTION
SSM-1 (C.TOP'S/WALL CAP)	MEGANITE	URBAN HABITAT 704SA
SSM-2 (SILLS)	MEGANITE	GROUP B, TO BE SELECTED

TACKBOARD/TACKBOARD

MATERIAL ABBREVIATION	MATERIAL/MANUFACTURER	COLOR SELECTION
TB	REFER TO SPECIFICATIONS	STANDARD, TO BE SELECTED

TACKABLE WALL SURFACE

MATERIAL ABBREVIATION	MATERIAL/MANUFACTURER	COLOR SELECTION
TWS-1	CARNEGIE / XOREL "STRIE"	TO BE SELECTED

SOLID POLYMER TOILET COMPARTMENTS

MATERIAL ABBREVIATION	MATERIAL/MANUFACTURER	COLOR SELECTION
SPTC-1(GROUP RR'S)	SCRANTON PRODUCTS	GREY, ORANGE PEEL TEXTURE
SPTC-2 (POOL BENCH)	SCRANTON PRODUCTS	BURGUNDY, ORANGE PEEL TEXTURE

WASH FOUNTAIN SOLID SURFACE UNITS

MATERIAL ABBREVIATION	MATERIAL/MANUFACTURER	COLOR SELECTION
LAV	REFER TO SPECIFICATIONS	ARCHITECT TO SELECT FROM MFR'S FULL RANGE OF STANDARD AND DESIGNER COLORS

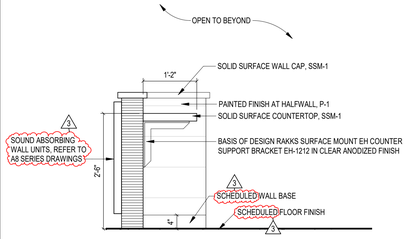
EQUIPMENT MATERIAL & FINISH GENERAL NOTES

A. COLOR SELECTION OF ALL FINISHES FOR ARCHITECTURAL WOODWORK/CUSTOM CASEWORK ITEMS ARE NOTED ON CASEWORK ELEVATIONS AND DETAIL DRAWINGS.

B. CASEWORK FINISHES ARE AS FOLLOWS:

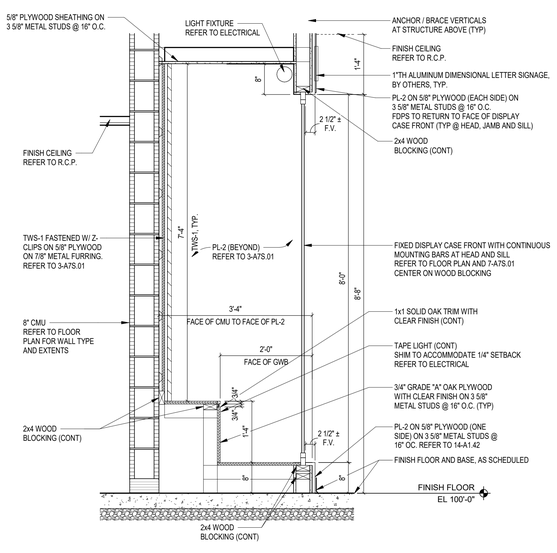
- HIGH PRESSURE PLASTIC LAMINATE CABINETS/VERTICAL SURFACES ARE TO BE PL-1, UNLESS OTHERWISE NOTED.
- HIGH PRESSURE PLASTIC LAMINATE COUNTERTOPS AND WORKSURFACES ARE TO BE PL-3, UNLESS OTHERWISE NOTED.
- INTERIOR MELAMINE TO BE WHITE
- 3MM AND 1MM PVC EDGES ON CASEWORK ARE TO MATCH PL-1.
- 3MM AND 1MM PVC EDGES ON COUNTERTOPS ARE TO MATCH PL-3.
- ALL SOLID SURFACE COUNTERTOPS, WORKSURFACES, AND AND WALL CAPS ARE TO BE SSM-1, UNLESS OTHERWISE NOTED.
- HANDLES TO BE BRUSHED CHROME.
- HINGES TO BE BRUSH CHROME.
- GROMMETS TO MATCH MOCKETT, COLOR TO BE SELECTED (SUBMIT SAMPLES FOR APPROVAL).
- SOLID SURFACE SILLS ARE TO BE SSM-2, UNLESS OTHERWISE NOTED. REFER TO ARCH. DRAWINGS FOR LOCATIONS AND SIZES.
- HIGH PRESSURE PLASTIC LAMINATE DISPLAY CASE OR/VERTICAL AND HORIZONTAL SURFACES ARE TO BE PL-2, WITH TACKABLE SURFACE FINISH TB-1, UNLESS OTHERWISE NOTED. REFER TO INTERIOR ELEVATIONS AND DETAILS FOR ADDITIONAL INFORMATION.
- BUILT-IN POOL DECK BENCH TOPS TO BE SPTC-2 WITH CONTINUOUS HINGES. REFER TO GENERAL NOTES FOR FINISHES NOT INDICATED.

C. REFER TO A7 AND A10 SERIES SHEETS FOR BLEACHER FINISH AND A8 SERIES SHEETS FOR WALKWAY/AISLE FINISH.



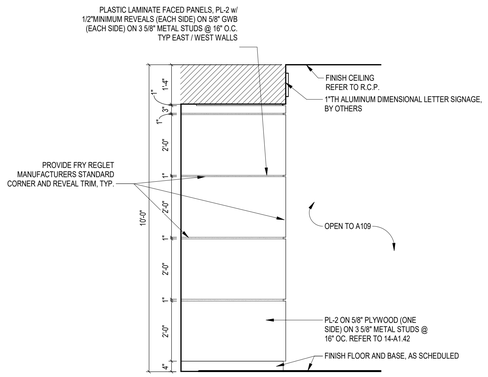
A310, B301 SOLID SURFACE COUNTERTOP AND WALL CAP DETAIL 5

SCALE: 3/4" = 1'-0"



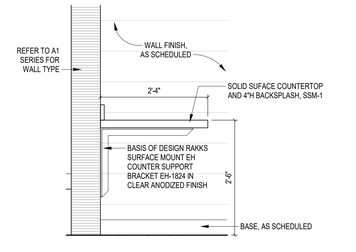
6 SECTION - DISPLAY CASE (UNIT A)

SCALE: 3/4" = 1'-0"



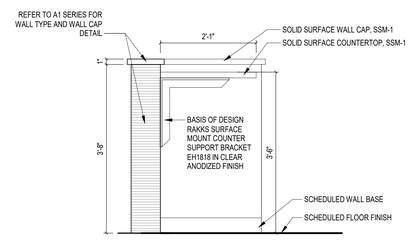
4 A109 DISPLAY - TYPICAL SIDE ELEVATION

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



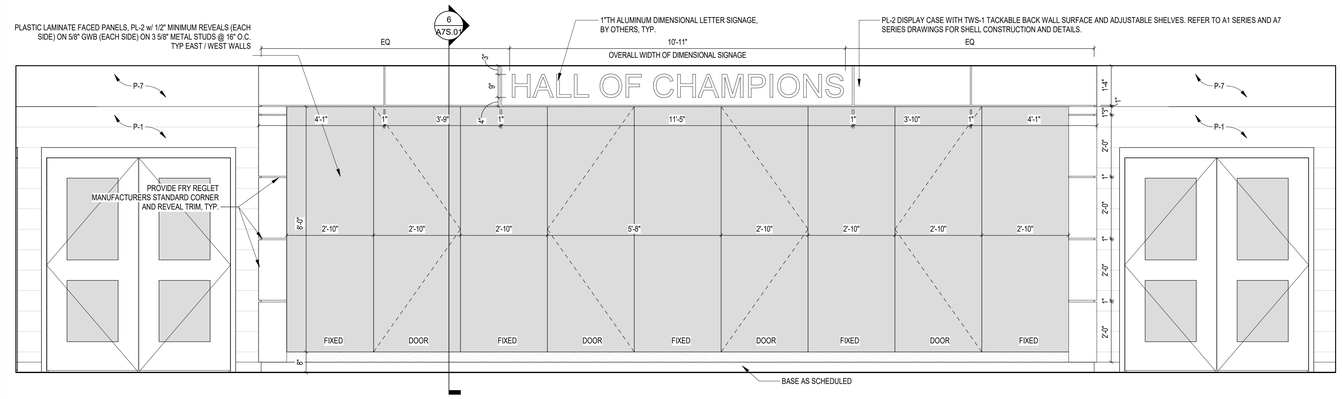
1 B121 WORKSURFACE

SCALE: 3/4" = 1'-0"



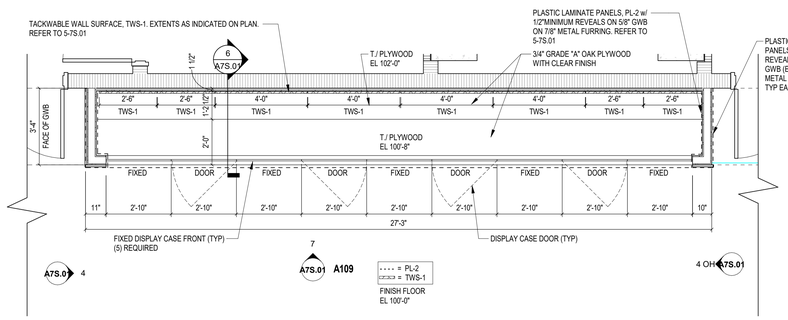
2 TYP 42"H TIMING WORKSURFACE

SCALE: 3/4" = 1'-0"



7 A109 DISPLAY - NORTHWEST ELEVATION

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



3 PLAN - DISPLAY CASE (UNIT A)

SCALE: 3/8" = 1'-0"

JEFFERSONVILLE HIGH SCHOOL NATATORIUM

2315 ALLISON LN.
JEFFERSONVILLE, IN 47130

GREATER CLARK COUNTY SCHOOLS

GCCS

ARCHITECT

FANNING HOWEY

317-848-0966 WWW.FHAI.COM

ISSUED FOR CONSTRUCTION

PAULA A. MILLER REGISTERED No. AR10800161 STATE OF INDIANA ARCHITECT

PROJECT MANAGER: JM
DRAWN BY: KMS
PROJECT NUMBER: 222038.00
PROJECT ISSUE DATE: 11/20/2023

REV. NO.	DESCRIPTION	DATE
3	ADDENDUM #3	1.17.2024

EDUCATIONAL CASEWORK SCHEDULES, LIST OF FINISHES, AND EQUIPMENT DETAILS

A7S.01

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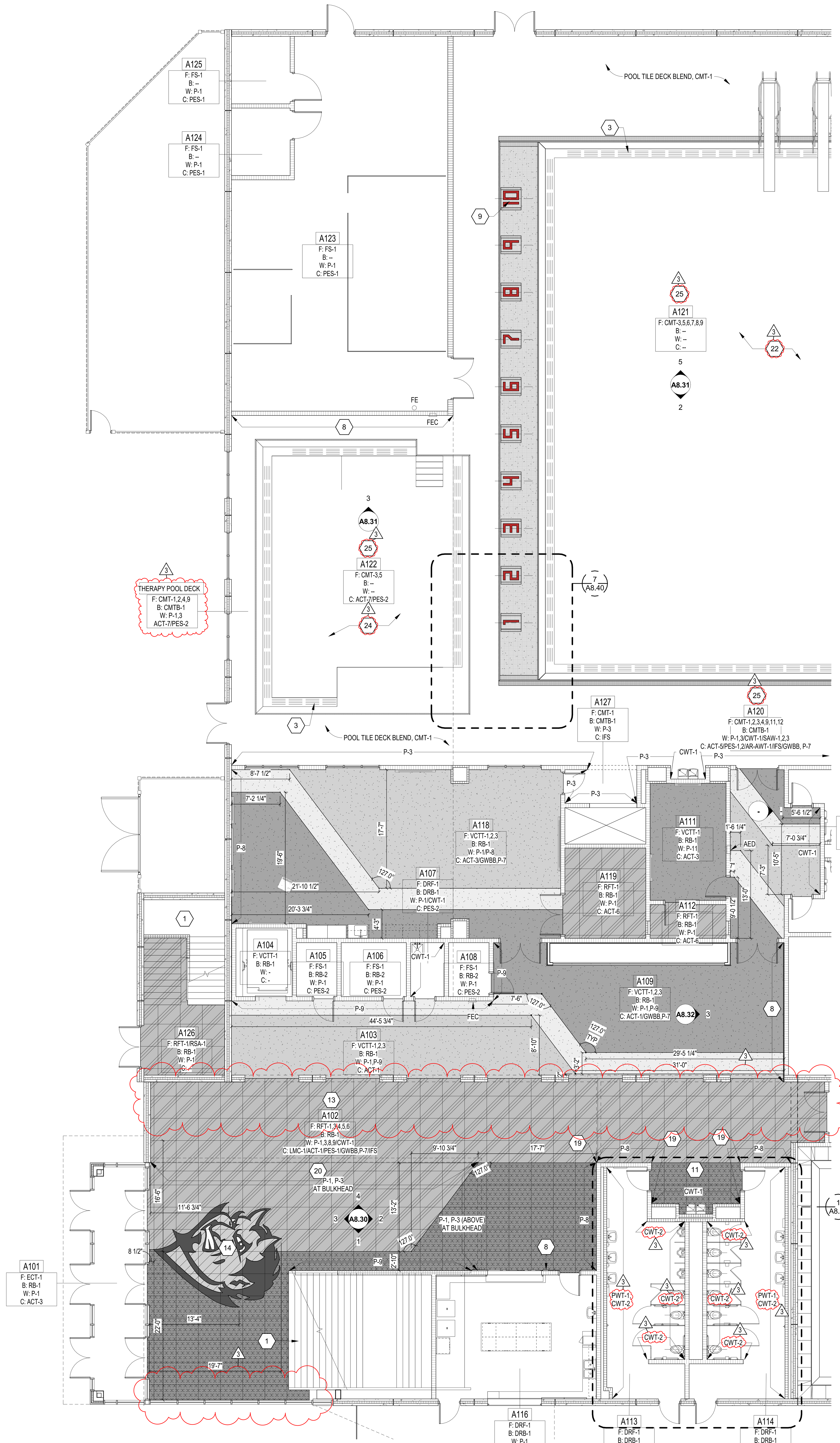

UNIT A - FIRST FLOOR FINISH PLAN

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

ROOM LEGEND - FIRST FLOOR UNIT A			
ROOM NO.	OWNER ROOM NO.	ROOM NAME	AREA (SF)
A101		VESTIBULE	282 SF
A102		LOBBY	3084 SF
A103		VESTIBULE	418 SF
A104		ELEVATOR	85 SF
A105		ELEVATOR MACHINE ROOM	48 SF
A106		ELECTRICAL	77 SF
A107		JANITOR	40 SF
A108		TECHNOLOGY	48 SF
A109		HALL OF CHAMPIONS	738 SF
A110		CORRIDOR	269 SF
A111		FACILITIES	195 SF
A112		STORAGE	58 SF
A113		RESTROOM	348 SF
A114		RESTROOM	363 SF
A115		ALCOVE	Not Placed
A116		CONCESSIONS	438 SF
A118		TEAM	1180 SF
A119		STORAGE	160 SF
A120		COMPETITION POOL DECK	3647 SF
A121		COMPETITION POOL	2711 SF
A122		THERAPY POOL	886 SF
A123		POOL EQUIPMENT	1585 SF
A124		STORAGE	87 SF
A125		STORAGE	87 SF
A126		STAIR A	191 SF
A127		ALCOVE	53 SF

MATERIAL AND FINISH GENERAL NOTES

A. REFER TO A1 ARCHITECTURAL SERIES FOR ALL WALL MATERIAL TYPES.
B. REFER TO A8S.01 FOR LIST OF FINISHES AND MATERIAL, PAINT TYPE, AND COLOR GENERAL NOTES.
C. AT BUILDING EXPANSION JOINTS, PROVIDE PREFABRICATED MOVEMENT PROFILE SYSTEM IN MORTAR BED, SCHLUTER-DILEX-EP OR APPROVED EQUAL. TYPICAL AT ALL LOCATIONS.
D. AT BUILDING EXPANSION JOINTS, PROVIDE PREFABRICATED MOVEMENT PROFILE SYSTEM AT PORCELAIN TILE FLOORING. PROVIDE SCHLUTER-DILEX-BWS OR APPROVED EQUAL. TYPICAL AT ALL LOCATIONS.
E. PROVIDE ANODIZED ALUMINUM SPECIAL PROFILE TRANSITION SYSTEM BETWEEN PORCELAIN FLOOR TILE AND CARPET. PROVIDE SCHLUTER-RENO-TK OR APPROVED EQUAL. TYPICAL AT ALL LOCATIONS.
F. PROVIDE ANODIZED ALUMINUM SPECIAL PROFILE TRANSITION SYSTEM BETWEEN CERAMIC MOSAIC FLOOR TILE AND CARPET. PROVIDE SCHLUTER-RENO-TK OR APPROVED EQUAL. TYPICAL AT ALL LOCATIONS.
G. PROVIDE PREFORMED BASE TO MATCH 1" RADIUS AT ALL LOCATIONS WERE BASE COVERS MASONRY BULLNOSE. REFER TO FINISH SCHEDULE FOR BASE MATERIAL TYPE. TYPICAL AT ALL LOCATIONS.
H. REFER TO A8S.01 FOR ELEVATOR FINISHES.
I. ALL HANDRAILS AND GAURDRAILS TO BE FACTORY-PAINTED P-12, UNLESS NOTED OTHERWISE.
J. ALL HANDRAILS AND GAURDRAILS TO BE FACTORY-PAINTED IN ALL ROOMS, EXCEPT FOR POOL EQUIPMENT ROOM A123.
K. ALL DOORS AND WINDOW FRAMES TO BE PAINTED P-2 , UNLESS NOTED OTHERWISE.
L. WHERE FUTURE WALL GRAPHIC OCCURS ON GYOSUM WALL BOARD SUBSTRATE, PROVIDE LEVEL 5 SMOOTH FINISH.

FLOOR FINISH GENERAL NOTES

A. ALL RFT PATTERNS BASED ON 1"-0" INCREMENTS.
B. ALL ET PATTERNS BASED ON 1"-6' INCREMENTS.
C. CENTER TILE IN ROOM WHERE NO PATTERN OCCURS. WHERE PATTERN OCCURS, ALIGN AS SHOWN ON INTERIOR FINISH PLANS.
D. FLOORING FINISH MATERIAL TRANSITIONS SHALL OCCUR UNDER THE CENTER OF THE DOOR UNLESS OTHERWISES NOTED.
E. ALL WALLS TO HAVE RUBBER BASE (RB) UNLESS OTHERWISE NOTED.
F. 4"H CMT COVE BASE AT ALL CMT LOCATIONS. COLOR TO MATCH ADJACENT FLOOR TILE.
G. COORDINATE CONTROL JOINTS IN CONCRETE FLOOR SLAB WITH STRUCTURAL DRAWINGS.
H. REFER TO A8.40 FOR WALL AND FLOORING MATERIAL TRANSITION DETAILS.
I. REFER TO A8.31 FOR DEPTH MARKING, NO DIVING, AND BENCH SIGNAGE TILE DETAILS. REFER TO PL SERIES FOR LOCATIONS.

FLOOR PATTERN/FINISH KEY NOTES (X)

(ALL NOTES MAY NOT BE INDICATED ON THIS SHEET)

1 INSTALL RESILIENT STAIR ACCESSORIES, RSA-1; HANDRAILS TO BE FACTORY PAINTED TO MATCH P-12.
2 PAINT CODE 4.222 ON ALL SHOWER WALLS IN ROOM, PAINT ALL CONCRETE SURFACES IN SHOWERS AND WET AREAS PAINT CODE #3.112, UNLESS NOTED OTHERWISE.
3 POOL GUTTER, REFER TO PL SERIES DRAWINGS.
4 HIGH PERFORMANCE COATINGS REQUIRED IN THIS ROOM, REFER TO PAINT TYPE GENERAL NOTES ON SHEET A8S.01
5 CERAMIC MOSIAC TILE BLEND ON DECK TO BE CMT-1. REFER TO A8S.01 FOR TILE BLEND PERCENTAGES.
6 COMPETITION POOL TO BE TILED WITH CMT-3 FIELD TILE; PROVIDE CMT-5, CMT-6, CMT-7, CMT-8 AND CMT-11 ACCENTS, REFER TO A8S.01 AND POOL DRAWINGS FOR DESIGNATIONS AND LOCATIONS.
7 CONTRASTING NOSING STRIPE P-14 TO BE PAINTED ON NOSING OF ALL AISLE STAIRS, TYP. REFER TO 1/A8.41 FOR STAIR NOSING DETAIL.
8 CUSTOM WALL GRAPHIC, BY OTHERS. REFER TO INTERIOR ELEVATIONS FOR EXTENTS.
9 TILED POOL LANE NUMBER TYP., SEE DETAIL 4/A8.40. REFER TO PL SERIES DRAWINGS FOR LOCATION AND STARTING PLATFORM INFORMATION.
10 INSTALL VINYL CUSHION TUFTED TILE VCTT-2 ON TREADS AND RISERS. PROVIDE NOSING AT FRONT, RSA-2. FIELD VERIFY ANGLE OF STEPS. ADHESIVE FOR NOSING TO BE EPOXY GLUE FOR USE IN WET ENVIRONMENTS. HANDRAILS TO BE FACTORY PAINTED TO MATCH P-3.
11 IFS BULKHEAD CEILING OVER WATER BOTTLE FILLER.
12 PROVIDE IFS BULKHEAD CEILING AT SHOWER.
13 PAINT ALL COLUMNS WITHIN ROOM, P-3.
14 PROVIDE RESILIENT FLOOR TILE WITH WATER-JET CUT LOGO: JEFFERSONVILLE RED DEVIL, RFT-1-6. FINAL GRAPHIC TO BE PROVIDED BY ARCHITECT.
15 PROVIDE 2" THICK SOUND-ABSORBING WALL UNITS, SAW-1, SAW-2, SAW-3. REFER TO INTERIOR ELEVATIONS FOR ADDITIONAL INFORMATION.
16 BUILT-IN POOL BENCH WITH SOLID PLASTIC TOP. REFER TO 10/A1.42 SECTION - POOL BENCH FOR ADDITIONAL DETAILS.
17 INDICATES GLASS/METAL RAILING TO BE FACTORY-PAINTED P-3. REFER TO A1 SERIES DRAWINGS FOR ADDITIONAL INFORMATION.
18 ALL METAL RAILINGS IN THIS ROOM TO BE FACTORY-PAINTED P-3.
19 ALIGN FLOOR PATTERN AT CORNER.
20 CUSTOM WALL GRAPHIC AT BULKHEAD ABOVE, BY OTHERS. REFER TO INTERIOR ELEVATIONS FOR EXTENTS.
21 PROVIDE RESILIENT BASE RB-2 ON THIS WALL ONLY.
22 PAINT TRUSSES TO MATCH JEFFERSONVILLE STANDARD RED, PES-1. DECK AND ALL OTHER MISCELLANEOUS COMPONENTS TO BE PAINTED PES-2.
23 PROVIDE 2" THICK SOUND-ABSORBING WALL UNITS AT HALF-WALL, SAW-1. REFER TO INTERIOR ELEVATIONS FOR ADDITIONAL INFORMATION.
3 / 24 POOL TO BE TILED w/ CMT-3 TILE; CMT-5 TILE ACCENT AT BENCH /STEP EDGES. REFER TO PL SERIES DRAWINGS FOR ADDITIONAL INFORMATION.
3 / 25 PAINT CODE 3.115 ON CONCRETE SURFACES, 4.227 ON CONCRETE MASONRY WALL UNITS, 5.224 ON EXPOSED STRUCTURE, 5.225 ON ALL MISCELLANEOUS EXPOSED STEEL, 5.226 ON EXPOSED STEEL JOISTS AT RED ACCENTS, 5.323 ON ALL GALVANIZED STEEL, AND 5.421 ON ANY EXPOSE ALUMINUM DUCTWORK WITHING POOL AREA.

FLOOR PATTERN LEGEND

NOTE:

VCTT-1	RFT-3
VCTT-2	RFT-4
VCTT-3	RFT-5
RFT-1	RFT-6

VERIFICATION NOTE

CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CLEARANCES AND ALL EXISTING FIELD CONDITIONS BEFORE STARTING CONSTRUCTION. COMMENCEMENT OF WORK CONSTITUTES ACCEPTANCE OF CONDITIONS.

SHOULD DIFFERENT CONDITIONS BE ENCOUNTERED, CONTACT THE ARCHITECT BEFORE PROCEEDING WITH WORK.

JEFFERSONVILLE HIGH SCHOOL NATATORIUM

2315 ALLISON LN.
JEFFERSONVILLE, IN 47130

GREATER CLARK COUNTY SCHOOLS

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ARCHITECT

FANNING HOWEY

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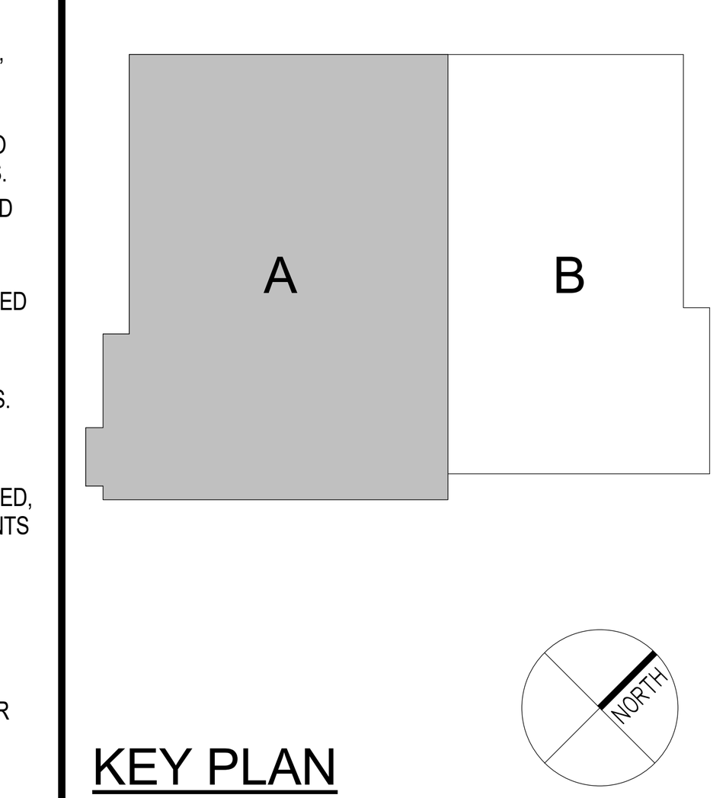


KEY PLAN

ISSUED FOR CONSTRUCTION

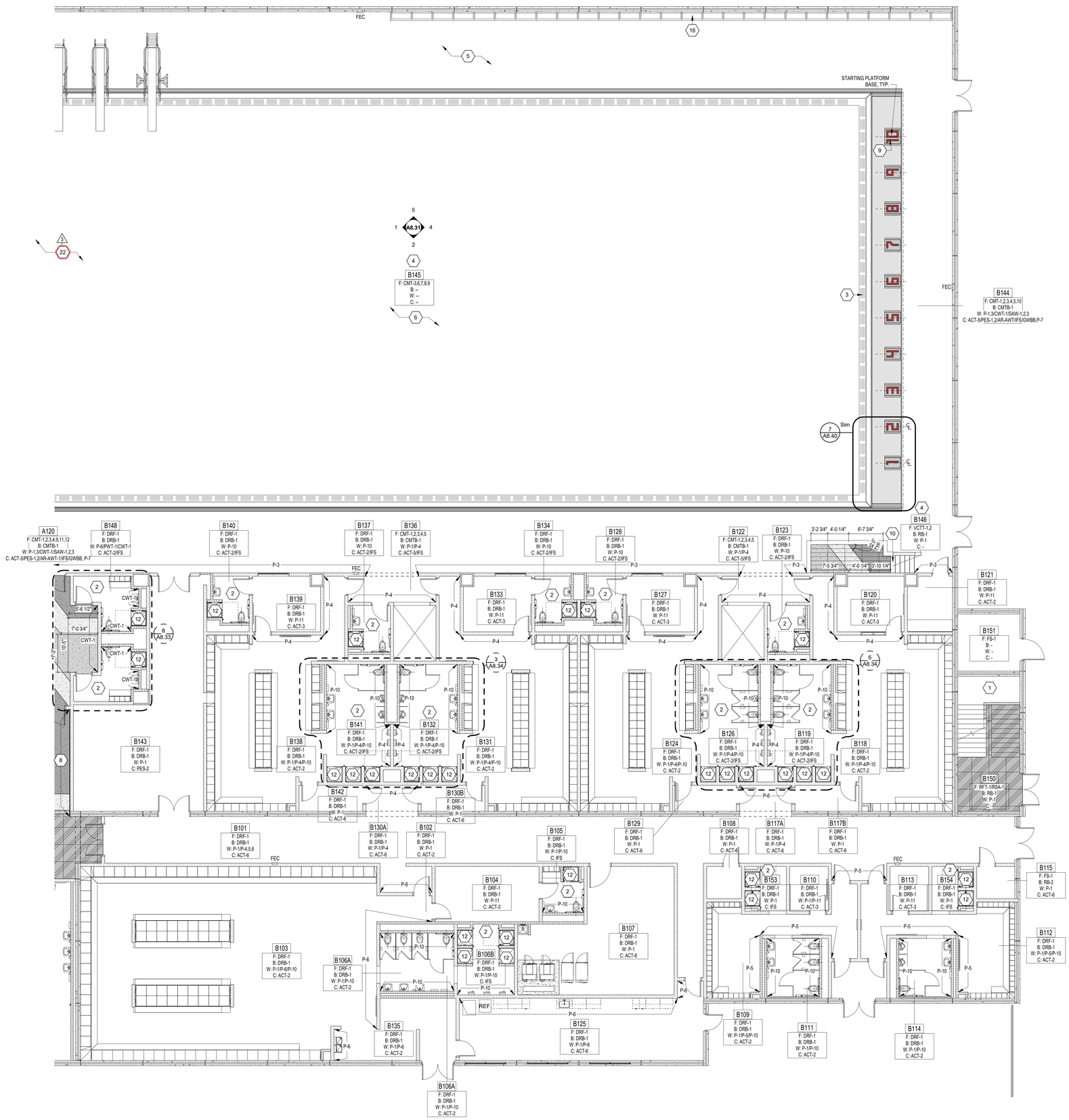
PAUL A. MILLER REGISTERED No. AR10800161 STATE OF INDIANA ARCHITECT

PROJECT MANAGER: JM
DRAWN BY: KMS
PROJECT NUMBER: 222038.00
PROJECT ISSUE DATE: 11/20/2023

REV. NO.	DESCRIPTION	DATE
3	ADDENDUM #3	1.17.2024

UNIT A - FIRST FLOOR FINISH PLAN

A8.01



UNIT B - FIRST FLOOR FINISH PLAN

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

ROOM LEGEND - FIRST FLOOR UNIT B

ROOM NO.	OWNER ROOM NO.	ROOM NAME	AREA (SF)
B101		CORRIDOR	1667 SF
B102		ALCOVE	53 SF
B103		FOOTBALL LOCKERS	1533 SF
B104		OFFICE	213 SF
B105		RESTROOM	61 SF
B106A		RESTROOM	159 SF
B106B		SHOWERS	137 SF
B107		LAUNDRY/STORAGE	596 SF
B108		ELECTRICAL PANEL	42 SF
B109		GIRLS TRACK	265 SF
B110		OFFICE	64 SF
B111		RESTROOM	113 SF
B112		BOYS TRACK	276 SF
B113		OFFICE	64 SF
B114		RESTROOM	112 SF
B115		TECHNOLOGY	45 SF
B116		VESTIBULE	74 SF
B117A		ALCOVE	50 SF
B117B		ALCOVE	61 SF
B118		GIRLS SWIM	675 SF
B119		RESTROOM	253 SF
B120		OFFICE	134 SF
B121		TIMING ROOM	89 SF
B122		ALCOVE	85 SF
B123		RESTROOM	65 SF
B124		GIRLS PE SWIM	664 SF
B125		TRAINING	581 SF
B126		RESTROOM	253 SF
B127		OFFICE	137 SF
B128		RESTROOM	64 SF
B129		ALCOVE	61 SF
B130A		ALCOVE	50 SF
B130B		ALCOVE	61 SF
B131		BOYS PE SWIM	666 SF
B132		RESTROOM	253 SF
B133		OFFICE	137 SF
B134		RESTROOM	64 SF
B135		VESTIBULE	229 SF
B136		ALCOVE	85 SF
B137		RESTROOM	65 SF
B138		BOYS SWIM	664 SF
B139		OFFICE	137 SF
B140		RESTROOM	64 SF
B141		RESTROOM	253 SF
B142		ALCOVE	61 SF
B143		STORAGE	774 SF
B144		COMPETITION POOL DECK	6583 SF
B145		COMPETITION POOL	11263 SF
B146		TIMING PLATFORM	132 SF
B147		CORRIDOR	110 SF
B148		RESTROOM	96 SF
B149		RESTROOM	96 SF
B150		STAIR B	197 SF
B151		WATER SERVICE	132 SF
B153		SHOWERS	61 SF
B154		SHOWERS	61 SF

MATERIAL AND FINISH GENERAL NOTES

A. REFER TO A1 ARCHITECTURAL SERIES FOR ALL WALL MATERIAL TYPES.
B. REFER TO A8S.01 FOR LIST OF FINISHES AND MATERIAL, PAINT TYPE, AND COLOR GENERAL NOTES.
C. AT BUILDING EXPANSION JOINTS, PROVIDE PREFABRICATED MOVEMENT PROFILE SYSTEM IN MORTAR BED, SCHLUTER-DILEX-EP OR APPROVED EQUAL. TYPICAL AT ALL LOCATIONS.
D. AT BUILDING EXPANSION JOINTS, PROVIDE PREFABRICATED MOVEMENT PROFILE SYSTEM AT PORCELAIN TILE FLOORING. PROVIDE SCHLUTER-DILEX-BWS OR APPROVED EQUAL. TYPICAL AT ALL LOCATIONS.
E. PROVIDE ANODIZED ALUMINUM SPECIAL PROFILE TRANSITION SYSTEM BETWEEN PORCELAIN FLOOR TILE AND CARPET . PROVIDE SCHLUTER-RENO-TK OR APPROVED EQUAL. TYPICAL AT ALL LOCATIONS.
F. PROVIDE ANODIZED ALUMINUM SPECIAL PROFILE TRANSITION SYSTEM BETWEEN CERAMIC MOSAIC FLOOR TILE AND CARPET . PROVIDE SCHLUTER-RENO-TK OR APPROVED EQUAL. TYPICAL AT ALL LOCATIONS.
G. PROVIDE PREFORMED BASE TO MATCH 1" RADIUS AT ALL LOCATIONS WERE BASE COVERS MASONRY BULLNOSE. REFER TO FINISH SCHEDULE FOR BASE MATERIAL TYPE. TYPICAL AT ALL LOCATIONS.
H. REFER TO A8S.01 FOR ELEVATOR FINISHES.
I. ALL HANDRAILS AND GAURDRAILS TO BE FACTORY-PAINTED P-12, UNLESS NOTED OTHERWISE.
J. ALL HANDRAILS AND GAURDRAILS TO BE FACTORY-PAINTED IN ALL ROOMS, EXCEPT FOR POOL EQUIPMENT ROOM A123.
K. ALL DOORS AND WINDOW FRAMES TO BE PAINTED P-2 , UNLESS NOTED OTHERWISE.
L. WHERE FUTURE WALL GRAPHIC OCCURS ON GYOSUM WALL BOARD SUBSTRATE, PROVIDE LEVEL 5 SMOOTH FINISH.

FLOOR FINISH GENERAL NOTES

A. ALL RFT PATTERNS BASED ON 1"-0" INCREMENTS.
B. ALL ET PATTERNS BASED ON 1"-6" INCREMENTS.
C. CENTER TILE IN ROOM WHERE NO PATTERN OCCURS. WHERE PATTERN OCCURS, ALIGN AS SHOWN ON INTERIOR FINISH PLANS.
D. FLOORING FINISH MATERIAL TRANSITIONS SHALL OCCUR UNDER THE CENTER OF THE DOOR UNLESS OTHERWISES NOTED.
E. ALL WALLS TO HAVE RUBBER BASE (RB) UNLESS OTHERWISE NOTED.
F. 4"H CMT COVE BASE AT ALL CMT LOCATIONS. COLOR TO MATCH ADJACENT FLOOR TILE.
G. COORDINATE CONTROL JOINTS IN CONCRETE FLOOR SLAB WITH STRUCTURAL DRAWINGS.
H. REFER TO A8.40 FOR WALL AND FLOORING MATERIAL TRANSITION DETAILS
I. REFER TO A8.31 FOR DEPTH MARKING, NO DIVING, AND BENCH SIGNAGE TILE DETAILS. REFER TO PL SERIES FOR LOCATIONS.

FLOOR PATTERN/FINISH KEY NOTES (X)

(ALL NOTES MAY NOT BE INDICATED ON THIS SHEET)

1 INSTALL RESILIENT STAIR ACCESSORIES, RSA-1; HANDRAILS TO BE FACTORY PAINTED TO MATCH P-12.
2 PAINT CODE 4.222 ON ALL SHOWER WALLS IN ROOM. PAINT ALL CONCRETE SURFACES IN SHOWERS AND WET AREAS PAINT CODE #3.112, UNLESS NOTED OTHERWISE.
3 POOL GUTTER. REFER TO PL SERIES DRAWINGS.
4 HIGH PERFORMANCE COATINGS REQUIRED IN THIS ROOM. REFER TO PAINT TYPE GENERAL NOTES ON SHEET A8S.01
5 CERAMIC MOSIAC TILE BLEND ON DECK TO BE CMT-1. REFER TO A8S.01 FOR TILE BLEND PERCENTAGES.
6 COMPETITION POOL TO BE TILED WITH CMT-3 FIELD TILE. PROVIDE CMT-5, CMT-6, CMT-7, CMT-8 AND CMT-11 ACCENTS. REFER TO A8S.01 AND POOL DRAWINGS FOR DESIGNATIONS AND LOCATIONS.
7 CONTRASTING NOSING STRIPE P-14 TO BE PAINTED ON NOSING OF ALL AISLE STAIRS, TYP. REFER TO 1/A8.41 FOR STAIR NOSING DETAIL.
8 CUSTOM WALL GRAPHIC, BY OTHERS. REFER TO INTERIOR ELEVATIONS FOR EXTENTS.
9 TILED POOL LANE NUMBER TYP., SEE DETAIL 4/A8.40. REFER TO PL SERIES DRAWINGS FOR LOCATION AND STARTING PLATFORM INFORMATION.
10 INSTALL VINYL CUSHION TUFTED TILE VCTT-2 ON TREADS AND RISERS. PROVIDE NOSING AT FRONT, RSA-2. FIELD VERIFY ANGLE OF STEPS. ADHESIVE FOR NOSING TO BE EPOXY GLUE FOR USE IN WET ENVIRONMENTS. HANDRAILS TO BE FACTORY PAINTED TO MATCH P-3.
11 IFS BULKHEAD CEILING OVER WATER BOTTLE FILLER.
12 PROVIDE IFS BULKHEAD CEILING AT SHOWER.
13 PAINT ALL COLUMNS WITHIN ROOM, P-3.
14 PROVIDE RESILIENT FLOOR TILE WITH WATER-JET CUT LOGO: JEFFERSONVILLE RED DEVIL, RFT-1-6. FINAL GRAPHIC TO BE PROVIDED BY ARCHITECT.
15 PROVIDE 2" THICK SOUND-ABSORBING WALL UNITS, SAW-1, SAW-2, SAW-3. REFER TO INTERIOR ELEVATIONS FOR ADDITIONAL INFORMATION.
16 BUILT-IN POOL BENCH WITH SOLID PLASTIC TOP. REFER TO 10/A1.42 SECTION - POOL BENCH FOR ADDITIONAL DETAILS.
17 INDICATES GLASS/METAL RAILING TO BE FACTORY-PAINTED P-3. REFER TO A1 SERIES DRAWINGS FOR ADDITIONAL INFORMATION.
18 ALL METAL RAILINGS IN THIS ROOM TO BE FACTORY-PAINTED P-3.
19 ALIGN FLOOR PATTERN AT CORNER.
20 CUSTOM WALL GRAPHIC AT BULKHEAD ABOVE, BY OTHERS. REFER TO INTERIOR ELEVATIONS FOR EXTENTS.
21 PROVIDE RESILIENT BASE RB-2 ON THIS WALL ONLY.
22 PAINT TRUSSES TO MATCH JEFFERSONVILLE STANDARD RED, PES-1 DECK AND ALL OTHER MISCELLANEOUS COMPONENTS TO BE PAINTED PES-2.
23 PROVIDE 2" THICK SOUND-ABSORBING WALL UNITS AT HALF-WALL, SAW-1. REFER TO INTERIOR ELEVATIONS FOR ADDITIONAL INFORMATION.
24 POOL TO BE TILED w/ CMT-3 TILE; CMT-5 TILE ACCENT AT BENCH /STEP EDGES. REFER TO PL SERIES DRAWINGS FOR ADDITIONAL INFORMATION.
25 PAINT CODE 3.115 ON CONCRETE SURFACES. 4.227 ON CONCRETE MASONRY WALL UNITS. 5.224 ON EXPOSED STRUCTURE. 5.225 ON ALL MISCELLANEOUS EXPOSED STEEL. 5.226 ON EXPOSED STEEL JOISTS AT RED ACCENTS. 5.323 ON ALL GALVANIZED STEEL, AND 5.421 ON ANY EXPOSE ALUMINUM DUCTWORK WITHING POOL AREA.

FLOOR PATTERN LEGEND

NOTE:

VCTT-1, VCTT-2, VCTT-3, RFT-1, RFT-3, RFT-4, RFT-5, RFT-6

VERIFICATION NOTE

CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CLEARANCES AND ALL EXISTING FIELD CONDITIONS BEFORE STARTING CONSTRUCTION. COMMENCEMENT OF WORK CONSTITUTES ACCEPTANCE OF CONDITIONS.

SHOULD DIFFERENT CONDITIONS BE ENCOUNTERED, CONTACT THE ARCHITECT BEFORE PROCEEDING WITH WORK.

JEFFERSONVILLE HIGH SCHOOL NATATORIUM

2315 ALLISON LN.
JEFFERSONVILLE, IN 47130

GREATER CLARK COUNTY SCHOOLS

GCCS

ARCHITECT

FANNING HOWEY

317-848-0966 WWW.FHAI.COM

A | B

KEY PLAN

ISSUED FOR CONSTRUCTION

PAUL A. MILLER REGISTERED No. AR10800161 STATE OF INDIANA ARCHITECT

PROJECT MANAGER: JM
DRAWN BY: KMS
PROJECT NUMBER: 222038.00
PROJECT ISSUE DATE: 11/20/2023

REV. NO.	DESCRIPTION	DATE
3	ADDENDUM #3	1.17.2024

UNIT B - FIRST FLOOR FINISH PLAN

A8.02

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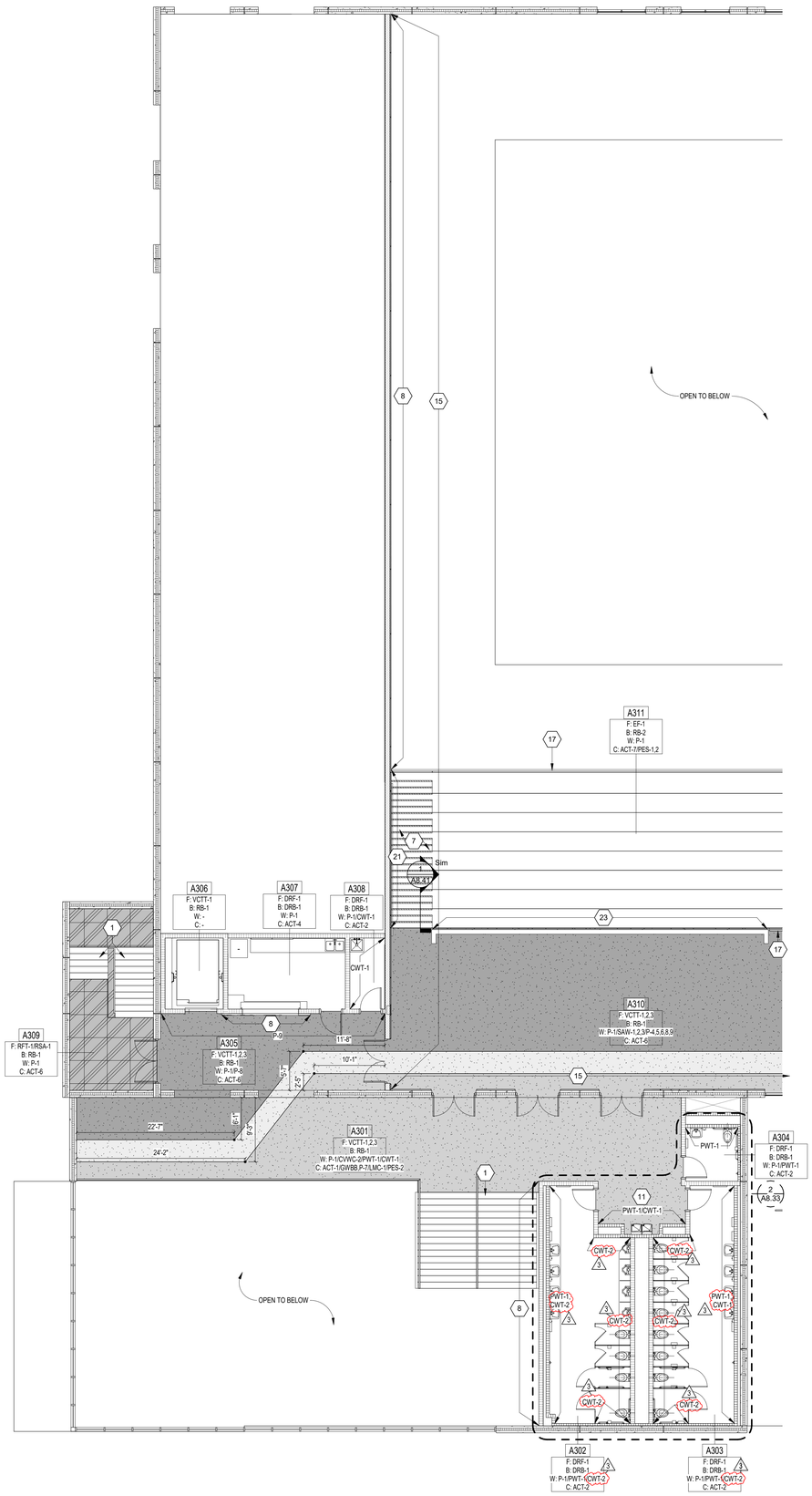

UNIT A - SECOND FLOOR FINISH PLAN

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

ROOM LEGEND - SECOND FLOOR UNIT A

ROOM NO.	OWNER ROOM NO.	ROOM NAME	AREA (SF)
A301		UPPER BALCONY	1093 SF
A302		RESTROOM	354 SF
A303		RESTROOM	355 SF
A304		FAMILY RESTROOM	58 SF
A305		UPPER LOBBY	353 SF
A306		ELEVATOR	85 SF
A307		UPPER CONCESSIONS	171 SF
A308		JANITOR	51 SF
A309		STAIR A	312 SF
A310		CONCOURSE	1151 SF
A311		BLEACHERS	1158 SF

MATERIAL AND FINISH GENERAL NOTES

A. REFER TO A1 ARCHITECTURAL SERIES FOR ALL WALL MATERIAL TYPES.
B. REFER TO A8S.01 FOR LIST OF FINISHES AND MATERIAL, PAINT TYPE, AND COLOR GENERAL NOTES.
C. AT BUILDING EXPANSION JOINTS, PROVIDE PREFABRICATED MOVEMENT PROFILE SYSTEM IN MORTAR BED, SCHLUTER-DILEX-EP OR APPROVED EQUAL. TYPICAL AT ALL LOCATIONS.
D. AT BUILDING EXPANSION JOINTS, PROVIDE PREFABRICATED MOVEMENT PROFILE SYSTEM AT PORCELAIN TILE FLOORING. PROVIDE SCHLUTER-DILEX-BWS OR APPROVED EQUAL. TYPICAL AT ALL LOCATIONS.
E. PROVIDE ANODIZED ALUMINUM SPECIAL PROFILE TRANSITION SYSTEM BETWEEN PORCELAIN FLOOR TILE AND CARPET. PROVIDE SCHLUTER-RENO-TK OR APPROVED EQUAL. TYPICAL AT ALL LOCATIONS.
F. PROVIDE ANODIZED ALUMINUM SPECIAL PROFILE TRANSITION SYSTEM BETWEEN CERAMIC MOSAIC FLOOR TILE AND CARPET. PROVIDE SCHLUTER-RENO-TK OR APPROVED EQUAL. TYPICAL AT ALL LOCATIONS.
G. PROVIDE PREFORMED BASE TO MATCH 1" RADIUS AT ALL LOCATIONS WERE BASE COVERS MASONRY BULLNOSE. REFER TO FINISH SCHEDULE FOR BASE MATERIAL TYPE. TYPICAL AT ALL LOCATIONS.
H. REFER TO A8S.01 FOR ELEVATOR FINISHES.
I. ALL HANDRAILS AND GAURDRAILS TO BE FACTORY-PAINTED P-12, UNLESS NOTED OTHERWISE.
J. ALL HANDRAILS AND GAURDRAILS TO BE FACTORY-PAINTED IN ALL ROOMS, EXCEPT FOR POOL EQUIPMENT ROOM A123.
K. ALL DOORS AND WINDOW FRAMES TO BE PAINTED P-2 , UNLESS NOTED OTHERWISE.
L. WHERE FUTURE WALL GRAPHIC OCCURS ON GYOSUM WALL BOARD SUBSTRATE, PROVIDE LEVEL 5 SMOOTH FINISH.

FLOOR FINISH GENERAL NOTES

A. ALL RFT PATTERNS BASED ON 1'-0" INCREMENTS.
B. ALL ET PATTERNS BASED ON 1'-6" INCREMENTS.
C. CENTER TILE IN ROOM WHERE NO PATTERN OCCURS. WHERE PATTERN OCCURS, ALIGN AS SHOWN ON INTERIOR FINISH PLANS.
D. FLOORING FINISH MATERIAL TRANSITIONS SHALL OCCUR UNDER THE CENTER OF THE DOOR UNLESS OTHERWISES NOTED.
E. ALL WALLS TO HAVE RUBBER BASE (RB) UNLESS OTHERWISE NOTED.
F. 4"H CMT COVE BASE AT ALL CMT LOCATIONS. COLOR TO MATCH ADJACENT FLOOR TILE.
G. COORDINATE CONTROL JOINTS IN CONCRETE FLOOR SLAB WITH STRUCTURAL DRAWINGS.
H. REFER TO A8.40 FOR WALL AND FLOORING MATERIAL TRANSITION DETAILS.
I. REFER TO A8.31 FOR DEPTH MARKING, NO DIVING, AND BENCH SIGNAGE TILE DETAILS. REFER TO PL SERIES FOR LOCATIONS.

FLOOR PATTERN/FINISH KEY NOTES (X)

(ALL NOTES MAY NOT BE INDICATED ON THIS SHEET)

1 INSTALL RESILIENT STAIR ACCESSORIES, RSA-1; HANDRAILS TO BE FACTORY PAINTED TO MATCH P-12.
2 PAINT CODE 4.222 ON ALL SHOWER WALLS IN ROOM. PAINT ALL CONCRETE SURFACES IN SHOWERS AND WET AREAS PAINT CODE #3.112, UNLESS NOTED OTHERWISE.
3 POOL GUTTER, REFER TO PL SERIES DRAWINGS.
4 HIGH PERFORMANCE COATINGS REQUIRED IN THIS ROOM, REFER TO PAINT TYPE GENERAL NOTES ON SHEET A8S.01
5 CERAMIC MOSIAC TILE BLEND ON DECK TO BE CMT-1; REFER TO A8S.01 FOR TILE BLEND PERCENTAGES.
6 COMPETITION POOL TO BE TILED WITH CMT-3 FIELD TILE; PROVIDE CMT-5, CMT-6, CMT-7, CMT-8 AND CMT-11 ACCENTS, REFER TO A8S.01 AND POOL DRAWINGS FOR DESIGNATIONS AND LOCATIONS.
7 CONTRASTING NOSING STRIPE P-14 TO BE PAINTED ON NOSING OF ALL AISLE STAIRS, TYP. REFER TO 1/A8.41 FOR STAIR NOSING DETAIL.
8 CUSTOM WALL GRAPHIC, BY OTHERS. REFER TO INTERIOR ELEVATIONS FOR EXTENTS.
9 TILED POOL LANE NUMBER TYP., SEE DETAIL 4/A8.40. REFER TO PL SERIES DRAWINGS FOR LOCATION AND STARTING PLATFORM INFORMATION.
10 INSTALL VINYL CUSHION TUFTED TILE VCTT-2 ON TREADS AND RISERS. PROVIDE NOSING AT FRONT, RSA-2. FIELD VERIFY ANGLE OF STEPS. ADHESIVE FOR NOSING TO BE EPOXY GLUE FOR USE IN WET ENVIRONMENTS. HANDRAILS TO BE FACTORY PAINTED TO MATCH P-3.
11 IFS BULKHEAD CEILING OVER WATER BOTTLE FILLER.
12 PROVIDE IFS BULKHEAD CEILING AT SHOWER.
13 PAINT ALL COLUMNS WITHIN ROOM, P-3.
14 PROVIDE RESILIENT FLOOR TILE WITH WATER-JET CUT LOGO: JEFFERSONVILLE RED DEVIL, RFT-1-6. FINAL GRAPHIC TO BE PROVIDED BY ARCHITECT.
15 PROVIDE 2" THICK SOUND-ABSORBING WALL UNITS, SAW-1, SAW-2, SAW-3. REFER TO INTERIOR ELEVATIONS FOR ADDITIONAL INFORMATION.
16 BUILT-IN POOL BENCH WITH SOLID PLASTIC TOP. REFER TO 10/A1.42 SECTION - POOL BENCH FOR ADDITIONAL DETAILS.
17 INDICATES GLASS/METAL RAILING TO BE FACTORY-PAINTED P-3. REFER TO A1 SERIES DRAWINGS FOR ADDITIONAL INFORMATION.
18 ALL METAL RAILINGS IN THIS ROOM TO BE FACTORY-PAINTED P-3.
19 ALIGN FLOOR PATTERN AT CORNER.
20 CUSTOM WALL GRAPHIC AT BULKHEAD ABOVE, BY OTHERS. REFER TO INTERIOR ELEVATIONS FOR EXTENTS.
21 PROVIDE RESILIENT BASE RB-2 ON THIS WALL ONLY.
22 PAINT TRUSSES TO MATCH JEFFERSONVILLE STANDARD RED, PES-1. DECK AND ALL OTHER MISCELLANEOUS COMPONENTS TO BE PAINTED PES-2.
23 PROVIDE 2" THICK SOUND-ABSORBING WALL UNITS AT HALF-WALL, SAW-1. REFER TO INTERIOR ELEVATIONS FOR ADDITIONAL INFORMATION.
24 POOL TO BE TILED W/ CMT-3 TILE; CMT-5 TILE ACCENT AT BENCH /STEP EDGES. REFER TO PL SERIES DRAWINGS FOR ADDITIONAL INFORMATION.
25 PAINT CODE 3.115 ON CONCRETE SURFACES, 4.227 ON CONCRETE MASONRY WALL UNITS, 5.224 ON EXPOSED STRUCTURE, 5.225 ON ALL MISCELLANEOUS EXPOSED STEEL, 5.226 ON EXPOSED STEEL JOISTS AT RED ACCENTS, 5.323 ON ALL GALVANIZED STEEL, AND 5.421 ON ANY EXPOSE ALUMINUM DUCTWORK WITHING POOL AREA.

FLOOR PATTERN LEGEND

NOTE:

VCTT-1
VCTT-2
VCTT-3
RFT-1
RFT-3
RFT-4
RFT-5
RFT-6

VERIFICATION NOTE

CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CLEARANCES AND ALL EXISTING FIELD CONDITIONS BEFORE STARTING CONSTRUCTION. COMMENCEMENT OF WORK CONSTITUTES ACCEPTANCE OF CONDITIONS.

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JEFFERSONVILLE HIGH SCHOOL NATATORIUM

2315 ALLISON LN.
JEFFERSONVILLE, IN 47130

GREATER CLARK COUNTY SCHOOLS

GCCS

ARCHITECT

FANNING HOWEY

317-848-0966 WWW.FHAI.COM

A B

KEY PLAN

NORTH

ISSUED FOR CONSTRUCTION

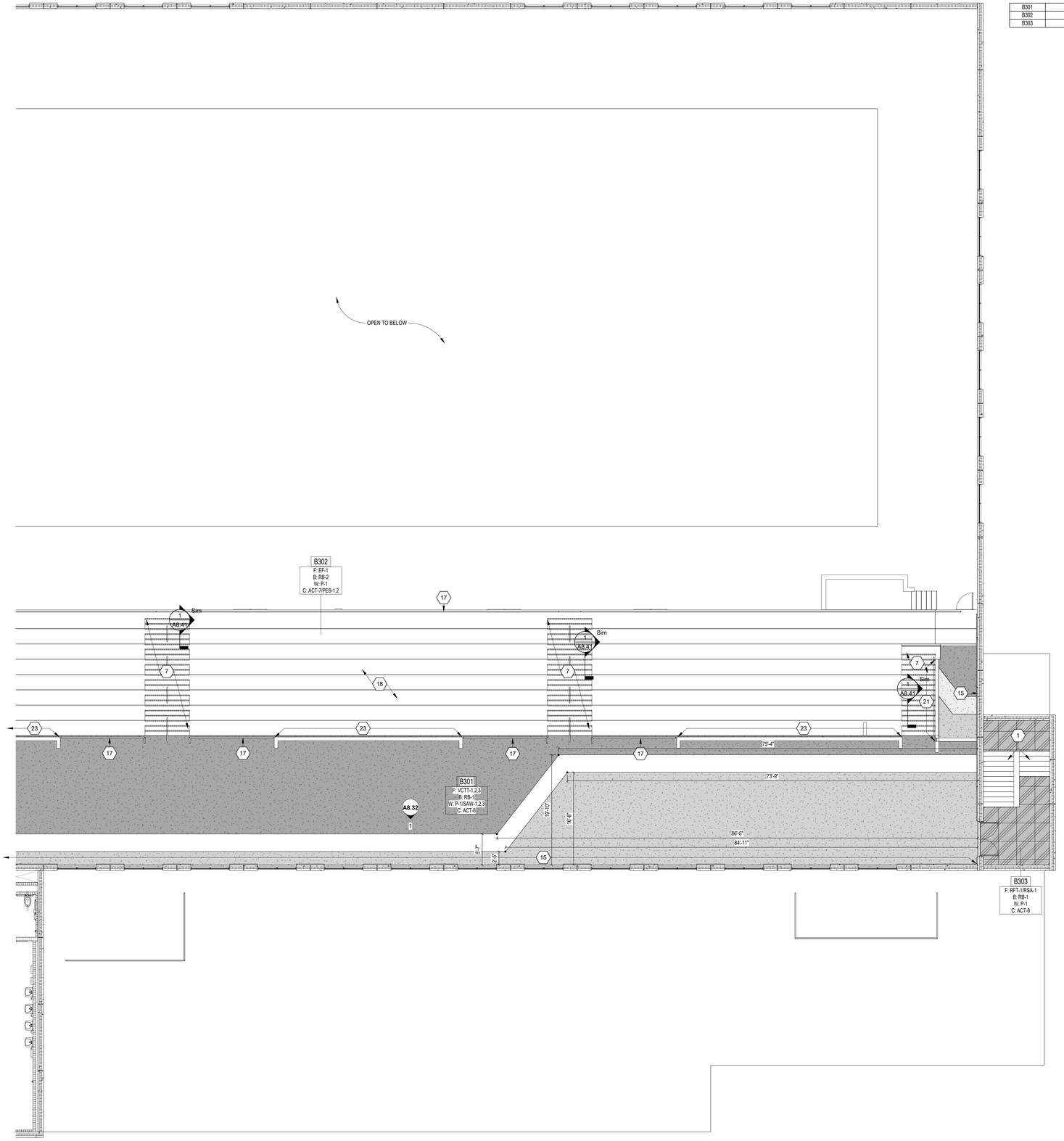
PAUL A. MILLER REGISTERED No. AR10800161 STATE OF INDIANA ARCHITECT

PROJECT MANAGER: JM
DRAWN BY: KMS
PROJECT NUMBER: 222038.00
PROJECT ISSUE DATE: 11/20/2023

REV. NO.	DESCRIPTION	DATE
3	ADDENDUM #3	1.17.2024

UNIT A - SECOND FLOOR FINISH PLAN

A8.21



UNIT B - SECOND FLOOR FINISH PLAN

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

ROOM LEGEND - SECOND FLOOR UNIT B

ROOM NO.	OWNER ROOM NO.	ROOM NAME	AREA (SF)
B301		CONCOURSE	3832 SF
B302		BLEACHERS	3805 SF
B303		STAIR.B	312 SF

MATERIAL AND FINISH GENERAL NOTES

A. REFER TO A1 ARCHITECTURAL SERIES FOR ALL WALL MATERIAL TYPES.
B. REFER TO A85.01 FOR LIST OF FINISHES AND MATERIAL, PAINT TYPE, AND COLOR GENERAL NOTES.
C. AT BUILDING EXPANSION JOINTS, PROVIDE PREFABRICATED MOVEMENT PROFILE SYSTEM IN MORTAR BED, SCHLUTER-DILEX-EP OR APPROVED EQUAL, TYPICAL AT ALL LOCATIONS.
D. AT BUILDING EXPANSION JOINTS, PROVIDE PREFABRICATED MOVEMENT PROFILE SYSTEM AT PORCELAIN TILE FLOORING. PROVIDE SCHLUTER-DILEX-BWS OR APPROVED EQUAL. TYPICAL AT ALL LOCATIONS.
E. PROVIDE ANODIZED ALUMINUM SPECIAL PROFILE TRANSITION SYSTEM BETWEEN PORCELAIN FLOOR TILE AND CARPET. PROVIDE SCHLUTER-RENO-TK OR APPROVED EQUAL. TYPICAL AT ALL LOCATIONS.
F. PROVIDE ANODIZED ALUMINUM SPECIAL PROFILE TRANSITION SYSTEM BETWEEN CERAMIC MOSAIC FLOOR TILE AND CARPET. PROVIDE SCHLUTER-RENO-TK OR APPROVED EQUAL. TYPICAL AT ALL LOCATIONS.
G. PROVIDE PREFORMED BASE TO MATCH 1" RADIUS AT ALL LOCATIONS WERE BASE COVERS MASONRY BULLNOSE. REFER TO FINISH SCHEDULE FOR BASE MATERIAL TYPE. TYPICAL AT ALL LOCATIONS.
H. REFER TO A85.01 FOR ELEVATOR FINISHES.
I. ALL HANDRAILS AND GAURDRAILS TO BE FACTORY-PAINTED P-12, UNLESS NOTED OTHERWISE.
J. ALL HANDRAILS AND GAURDRAILS TO BE FACTORY-PAINTED IN ALL ROOMS, EXCEPT FOR POOL EQUIPMENT ROOM A123.
K. ALL DOORS AND WINDOW FRAMES TO BE PAINTED P-2 , UNLESS NOTED OTHERWISE.
L. WHERE FUTURE WALL GRAPHIC OCCURS ON GYOSUM WALL BOARD SUBSTRATE, PROVIDE LEVEL 5 SMOOTH FINISH.

FLOOR FINISH GENERAL NOTES

A. ALL RFT PATTERNS BASED ON 1'-0" INCREMENTS.
B. ALL ET PATTERNS BASED ON 1'-6" INCREMENTS.
C. CENTER TILE IN ROOM WHERE NO PATTERN OCCURS. WHERE PATTERN OCCURS, ALIGN AS SHOWN ON INTERIOR FINISH PLANS.
D. FLOORING FINISH MATERIAL TRANSITIONS SHALL OCCUR UNDER THE CENTER OF THE DOOR UNLESS OTHERWISES NOTED.
E. ALL WALLS TO HAVE RUBBER BASE (RB) UNLESS OTHERWISE NOTED.
F. 4"H CMT COVE BASE AT ALL CMT LOCATIONS. COLOR TO MATCH ADJACENT FLOOR TILE.
G. COORDINATE CONTROL JOINTS IN CONCRETE FLOOR SLAB WITH STRUCTURAL DRAWINGS.
H. REFER TO A8.40 FOR WALL AND FLOORING MATERIAL TRANSITION DETAILS.
I. REFER TO A8.31 FOR DEPTH MARKING, NO DIVING, AND BENCH SIGNAGE TILE DETAILS. REFER TO PL SERIES FOR LOCATIONS.

FLOOR PATTERN/FINISH KEY NOTES

(X)

(ALL NOTES MAY NOT BE INDICATED ON THIS SHEET)

1 INSTALL RESILIENT STAIR ACCESSORIES; RSA-1; HANDRAILS TO BE FACTORY PAINTED TO MATCH P-12.
2 PAINT CODE 4.222 ON ALL SHOWER WALLS IN ROOM. PAINT ALL CONCRETE SURFACES IN SHOWERS AND WET AREAS PAINT CODE #5.112, UNLESS NOTED OTHERWISE.
3 POOL GUTTER, REFER TO PL SERIES DRAWINGS.
4 HIGH PERFORMANCE COATINGS REQUIRED IN THIS ROOM, REFER TO PAINT TYPE GENERAL NOTES ON SHEET A85.01
5 CERAMIC MOSIAC TILE BLEND ON DECK TO BE CMT-1. REFER TO A85.01 FOR TILE BLEND PERCENTAGES.
6 COMPETITION POOL TO BE TILED WITH CMT-3 FIELD TILE; PROVIDE CMT-5, CMT-6, CMT-7, CMT-8 AND CMT-11 ACCENTS. REFER TO A85.01 AND POOL DRAWINGS FOR DESIGNATIONS AND LOCATIONS.
7 CONTRASTING NOSING STRIPE P-14 TO BE PAINTED ON NOSING OF ALL AISLE STAIRS, TYP. REFER TO 1/A8.41 FOR STAIR NOSING DETAIL.
8 CUSTOM WALL GRAPHIC, BY OTHERS. REFER TO INTERIOR ELEVATIONS FOR EXTENTS.
9 TILED POOL LANE NUMBER TYP., SEE DETAIL 4/A8.40. REFER TO PL SERIES DRAWINGS FOR LOCATION AND STARTING PLATFORM INFORMATION.
10 INSTALL VINYL CUSHION TUFTED TILE VCTT-2 ON TREADS AND RISERS. PROVIDE NOSING AT FRONT, RSA-2. FIELD VERIFY ANGLE OF STEPS. ADHESIVE FOR NOSING TO BE EPOXY GLUE FOR USE IN WET ENVIRONMENTS. HANDRAILS TO BE FACTORY PAINTED TO MATCH P-3.
11 IFS BULKHEAD CEILING OVER WATER BOTTLE FILLER.
12 PROVIDE IFS BULKHEAD CEILING AT SHOWER.
13 PAINT ALL COLUMNS WITHIN ROOM. P-3.
14 PROVIDE RESILIENT FLOOR TILE WITH WATER-JET CUT LOGO: JEFFERSONVILLE RED DEVIL. RFT-1-6. FINAL GRAPHIC TO BE PROVIDED BY ARCHITECT.
15 PROVIDE 2" THICK SOUND-ABSORBING WALL UNITS, SAW-1, SAW-2, SAW-3. REFER TO INTERIOR ELEVATIONS FOR ADDITIONAL INFORMATION.
16 BUILT-IN POOL BENCH WITH SOLID PLASTIC TOP. REFER TO 10/A1.42 SECTION - POOL BENCH FOR ADDITIONAL DETAILS.
17 INDICATES GLASS/METAL RAILING TO BE FACTORY-PAINTED P-3. REFER TO A1 SERIES DRAWINGS FOR ADDITIONAL INFORMATION.
18 ALL METAL RAILINGS IN THIS ROOM TO BE FACTORY-PAINTED P-3.
19 ALIGN FLOOR PATTERN AT CORNER.
20 CUSTOM WALL GRAPHIC AT BULKHEAD ABOVE, BY OTHERS. REFER TO INTERIOR ELEVATIONS FOR EXTENTS.
21 PROVIDE RESILIENT BASE RB-2 ON THIS WALL ONLY.
22 PAINT TRUSSES TO MATCH JEFFERSONVILLE STANDARD RED, PES-1. DECK AND ALL OTHER MISCELLANEOUS COMPONENTS TO BE PAINTED PES-2.
23 PROVIDE 2" THICK SOUND-ABSORBING WALL UNITS AT HALF-WALL, SAW-1. REFER TO INTERIOR ELEVATIONS FOR ADDITIONAL INFORMATION.
24 POOL TO BE TILED w/ CMT-3 TILE; CMT-5 TILE ACCENT AT BENCH /STEP EDGES. REFER TO PL SERIES DRAWINGS FOR ADDITIONAL INFORMATION.
25 PAINT CODE 3.115 ON CONCRETE SURFACES, 4.227 ON CONCRETE MASONRY WALL UNITS, 5.224 ON EXPOSED STRUCTURE, 5.225 ON ALL MISCELLANEOUS EXPOSED STEEL, 5.226 ON EXPOSED STEEL JOISTS AT RED ACCENTS, 5.323 ON ALL GALVANIZED STEEL, AND 5.421 ON ANY EXPOSE ALUMINUM DUCTWORK WITHING POOL AREA.

FLOOR PATTERN LEGEND

NOTE:

VCTT-1, VCTT-2, VCTT-3, RFT-1, RFT-3, RFT-4, RFT-5, RFT-6

VERIFICATION NOTE

CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CLEARANCES AND ALL EXISTING FIELD CONDITIONS BEFORE STARTING CONSTRUCTION. COMMENCEMENT OF WORK CONSTITUTES ACCEPTANCE OF CONDITIONS.

SHOULD DIFFERENT CONDITIONS BE ENCOUNTERED, CONTACT THE ARCHITECT BEFORE PROCEEDING WITH WORK.

JEFFERSONVILLE HIGH SCHOOL NATATORIUM

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JEFFERSONVILLE, IN 47130

GREATER CLARK COUNTY SCHOOLS

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ARCHITECT

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A B

KEY PLAN

NORTH

ISSUED FOR CONSTRUCTION

PAUL A. MILLER REGISTERED No. AR10800161 STATE OF INDIANA ARCHITECT

PROJECT MANAGER: JM
DRAWN BY: KMS
PROJECT NUMBER: 222038.00
PROJECT ISSUE DATE: 11/20/2023

REV. NO.	DESCRIPTION	DATE
3	ADDENDUM #3	1.17.2024

UNIT B - SECOND FLOOR FINISH PLAN

A8.22

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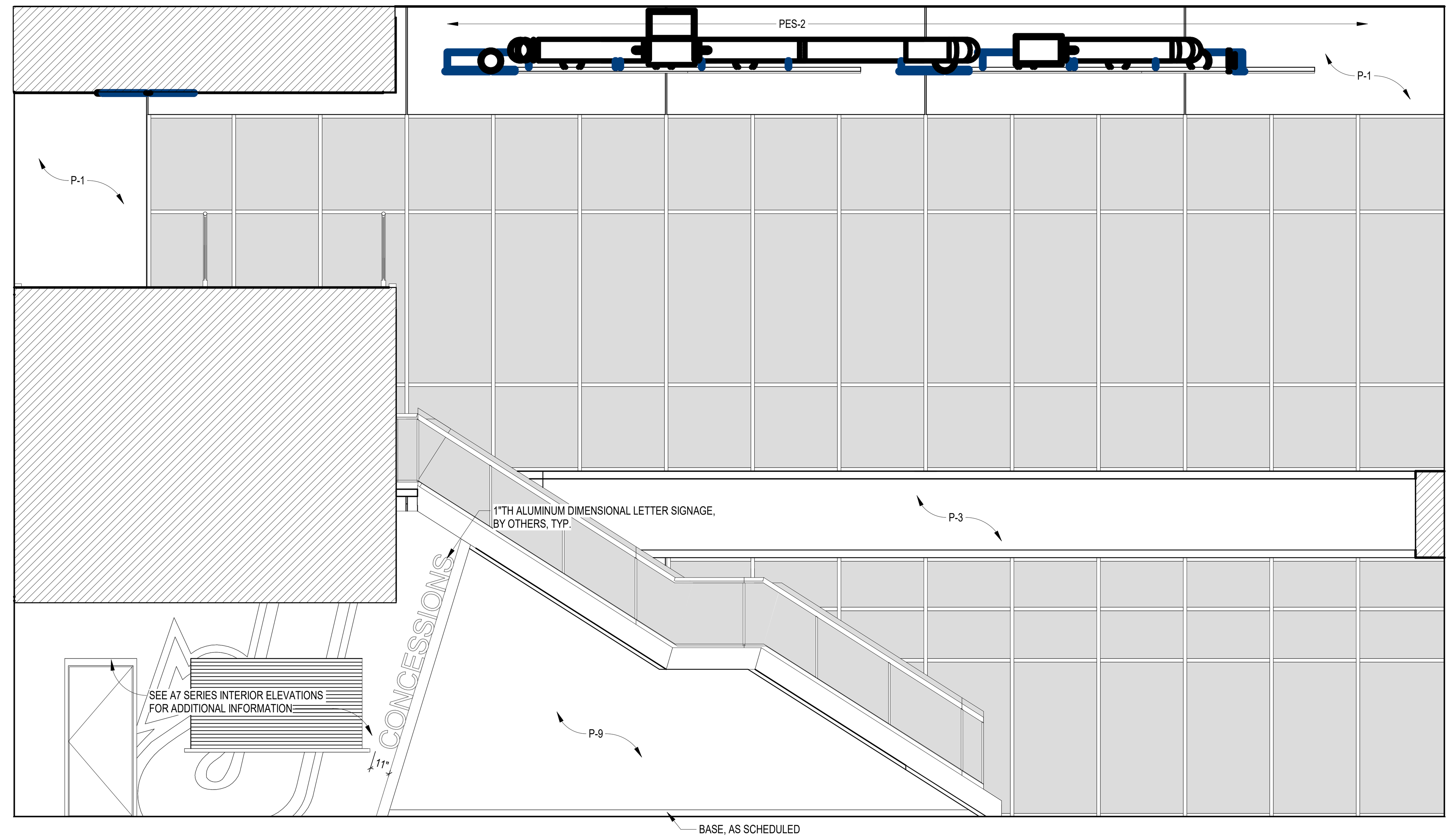
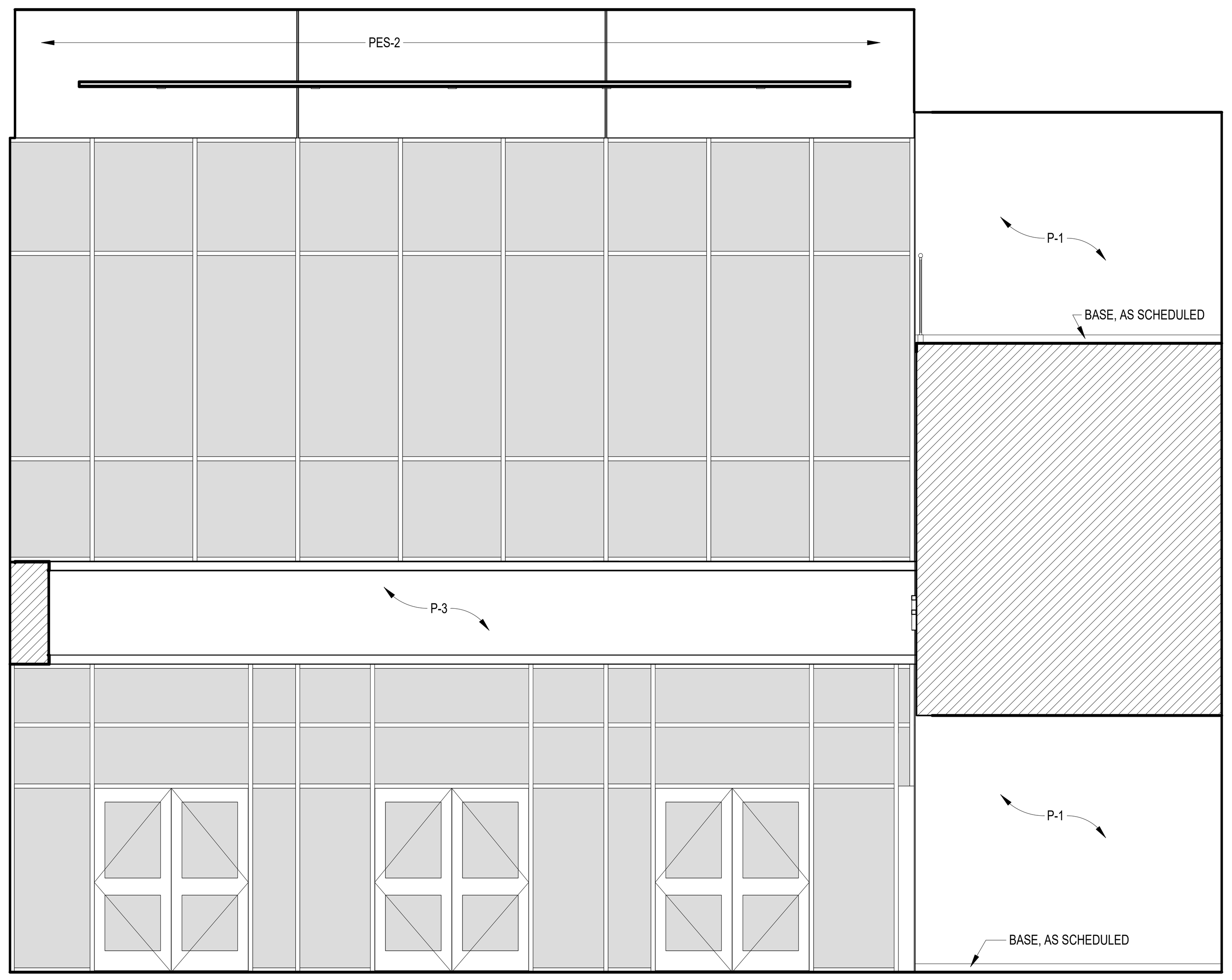
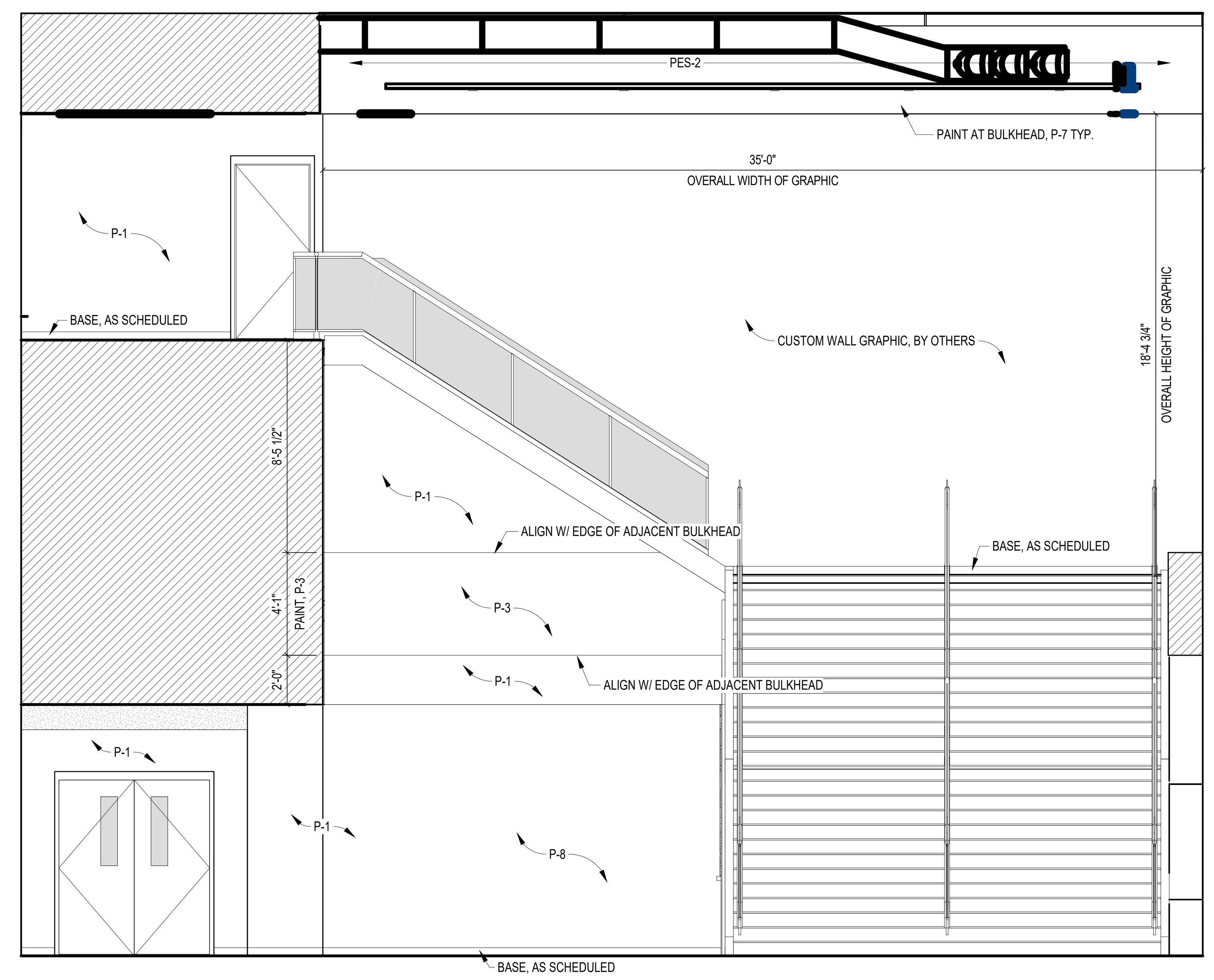


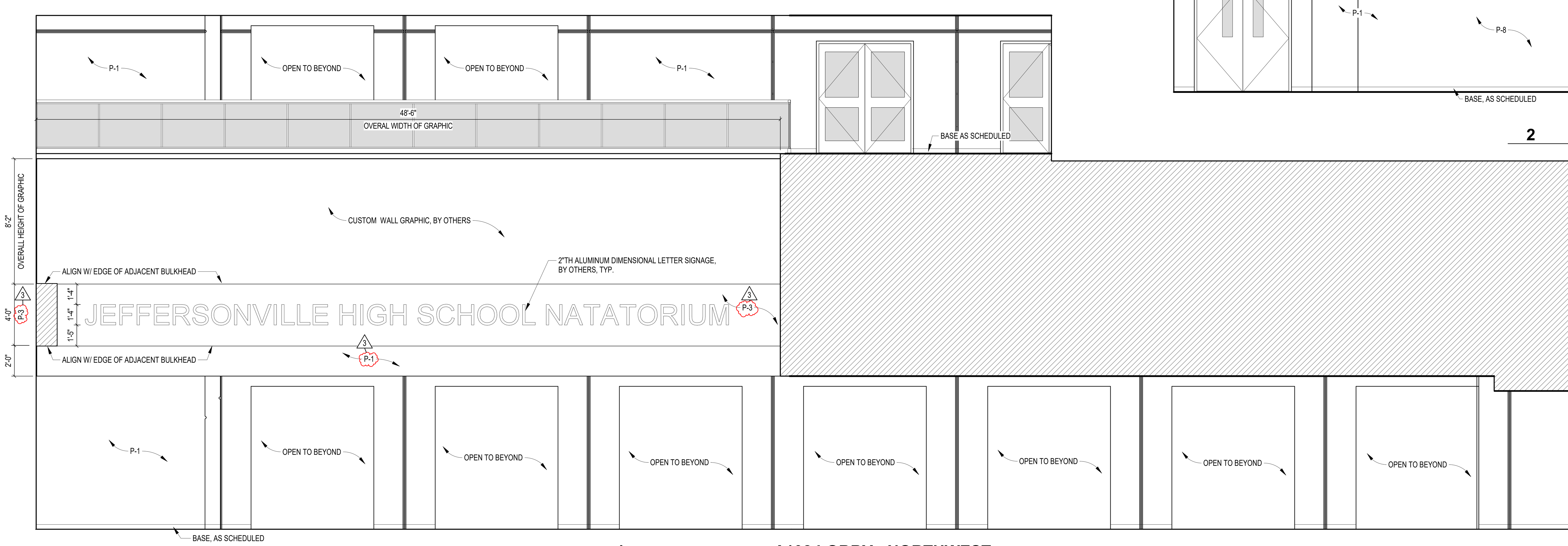
1 A102 LOBBY - SOUTHEAST
SCALE: 1/4" = 1'-0"



3 A102 - SOUTHWEST ELEVATION
SCALE: 1/4" = 1'-0"



2 A102 LOBBY - NORTHEAST
SCALE: 1/4" = 1'-0"



4 A102 LOBBY - NORTHWEST
SCALE: 1/4" = 1'-0"

INTERIOR ELEVATION NOTES

(ALL NOTES MAY NOT BE INDICATED ON THIS SHEET)

1 PROVIDE SSM-3 AND SSM-4 CASEWORK SURROUND.
2 TV MONITOR. REFER TO TECHNOLOGY DRAWINGS FOR ADDITIONAL INFORMATION.
3 LINEAR METAL CEILING CLOUDS, LMC-1.
4 DIMENSIONAL LETTER SIGNAGE, BY OTHERS.
5 RECORDS BOARD, BY OWNER.
6 SCOREBOARD, REFER TO DIVISION 13 SPECIFICATIONS.
7 PROVIDE 2" THICK CONTINUOUS PERFORATED/FLAT METAL SCREEN ABSORPTION WALL PANELS, SAW-1, SAW-2, AND SAW-3 w/ TYPICAL 1" REVEALS. CONTINUE PAINT FINISH BEHIND SAW PANELS. REFER TO INTERIOR ELEVATIONS FOR ADDITIONAL INFORMATION.
8 1 1/2"H SOLID SURFACE WALL CAP, SSM-1.
9 NOTCH METAL PANELING AROUND BUILT-IN FEC, ELECTRICAL OUTLETS, EQUIPMENT, ETC.
10 BUILT-IN BENCH w/ SPTC-2 TOP, CMTB-1 BASE & PAINTED FACE. REFER TO A1 SERIES SHEETS FOR DETAILS.
11 SCHLUTER DILEX BASE TRIM.
12 SCLUTER QUADEC OUTSIDE CORNER TRIM
13 PAINT WALL PT-1 AS SCHEDULED, WALL PAINT FINISH TO CONTINUE BEHIND SOUND ABSORBING WALL UNITS.
14 REFER TO 2/A8.32 FOR SOUND ABSORBING WALL UNIT INFORMATION.

VERIFICATION NOTE

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SHOULD DIFFERENT CONDITIONS BE ENCOUNTERED, CONTACT THE ARCHITECT BEFORE PROCEEDING WITH WORK.

JEFFERSONVILLE HIGH SCHOOL NATATORIUM

2315 ALLISON LN.
JEFFERSONVILLE, IN 47130

GREATER CLARK COUNTY SCHOOLS
GCCS

ARCHITECT

FANNING HOWEY
317-848-0966 WWW.FHAI.COM

ISSUED FOR CONSTRUCTION

PAUL A. MILLER REGISTERED No. AR10800161 STATE OF INDIANA ARCHITECT

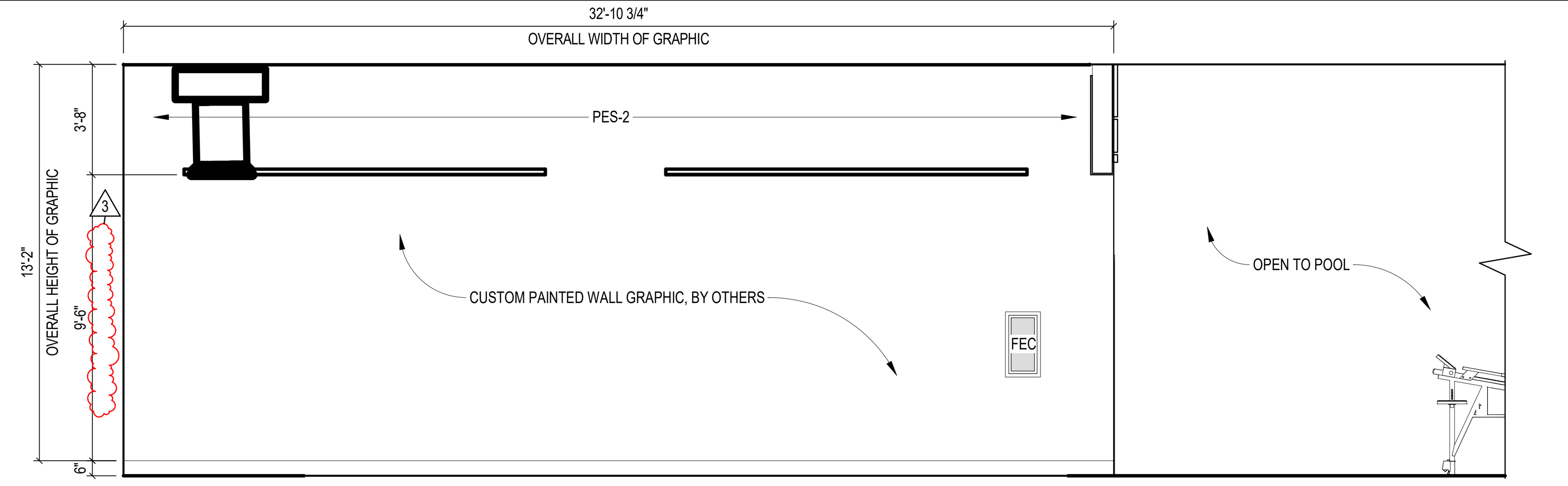
PROJECT MANAGER: JM
DRAWN BY: KMS
PROJECT NUMBER: 222038.00
PROJECT ISSUE DATE: 11/20/2023

REV. NO.	DESCRIPTION	DATE
3	ADDENDUM #3	1.17.2024

INTERIOR ELEVATIONS

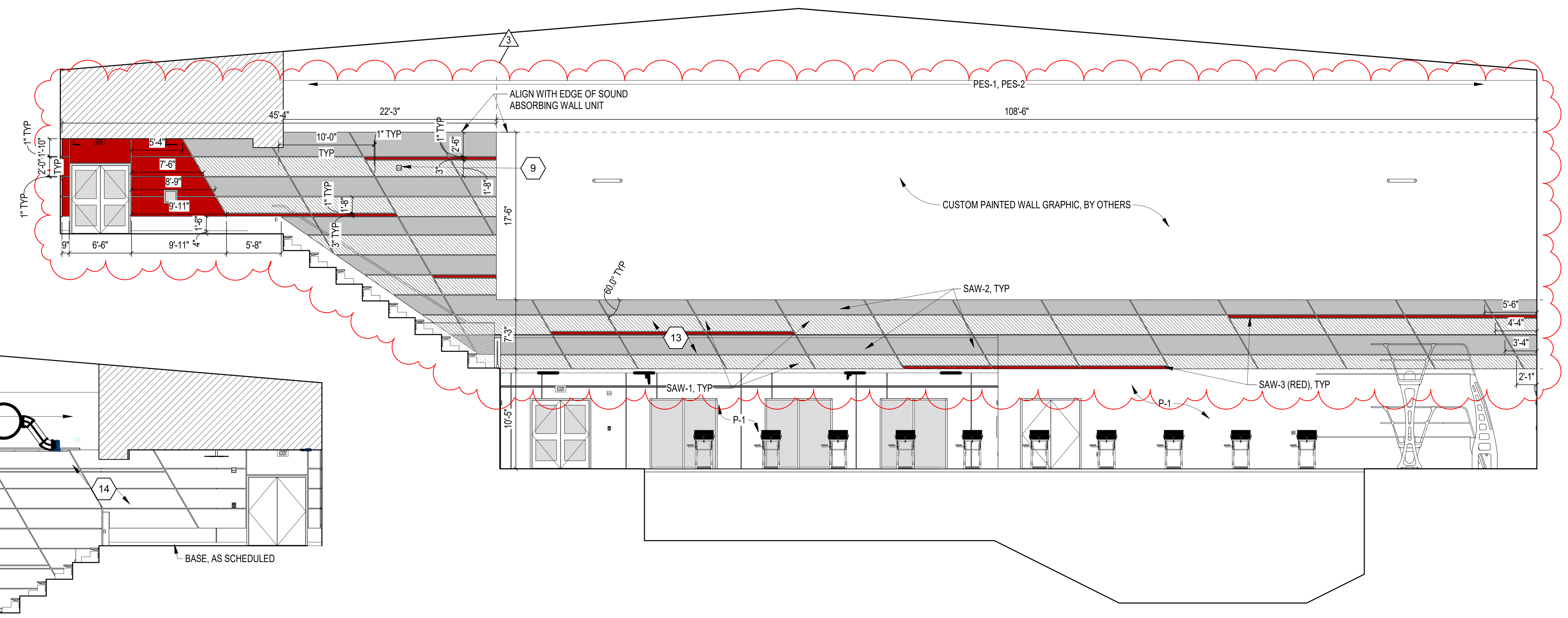
A8.30

C:\Users\ksingletary\Documents\2021_EQPT_222038.00_ksingletary9XY3.rvt
1/17/2024 9:07:00 AM



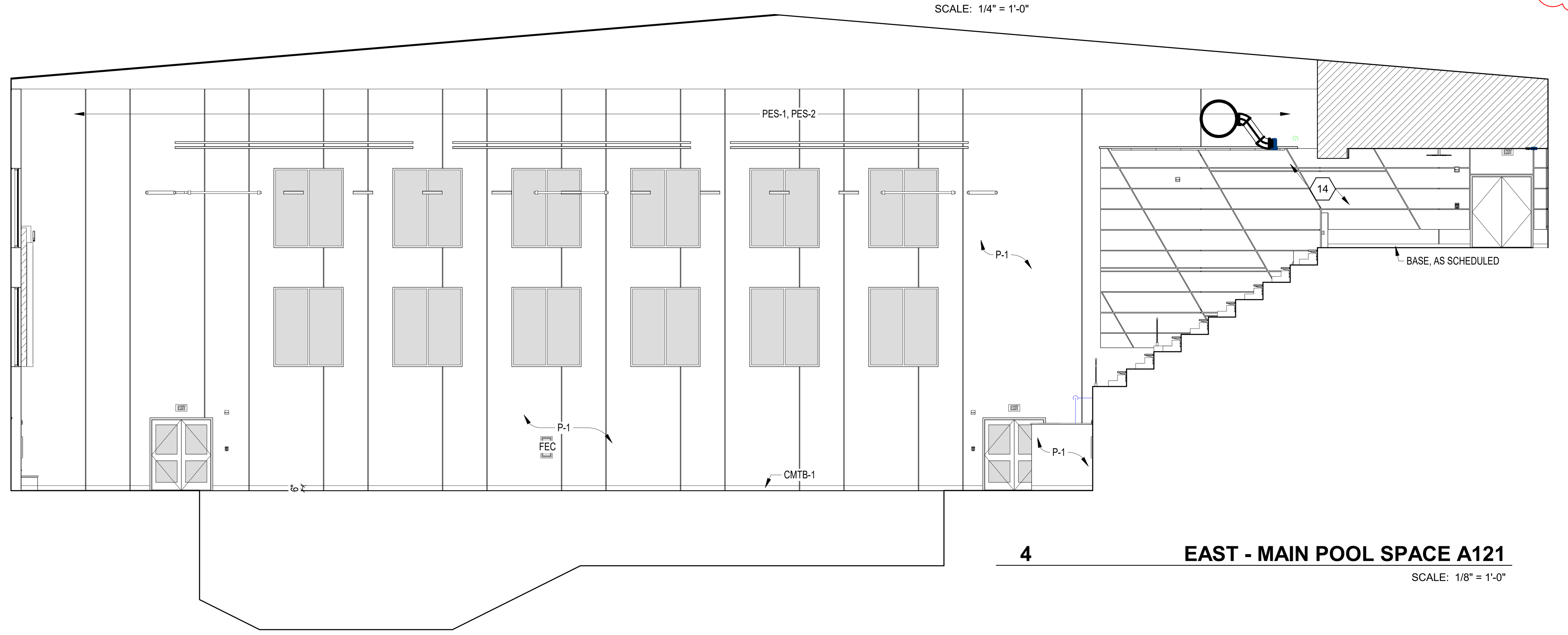
3 A122 THERAPY POOL GRAPHIC ELEVATION - NORTHWEST

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



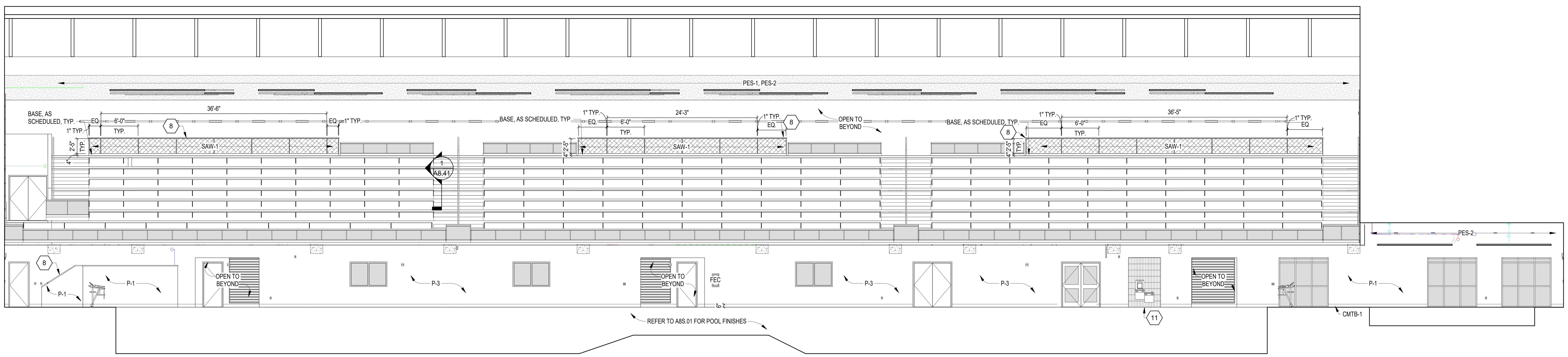
1 WEST - MAIN POOL SPACE A121

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



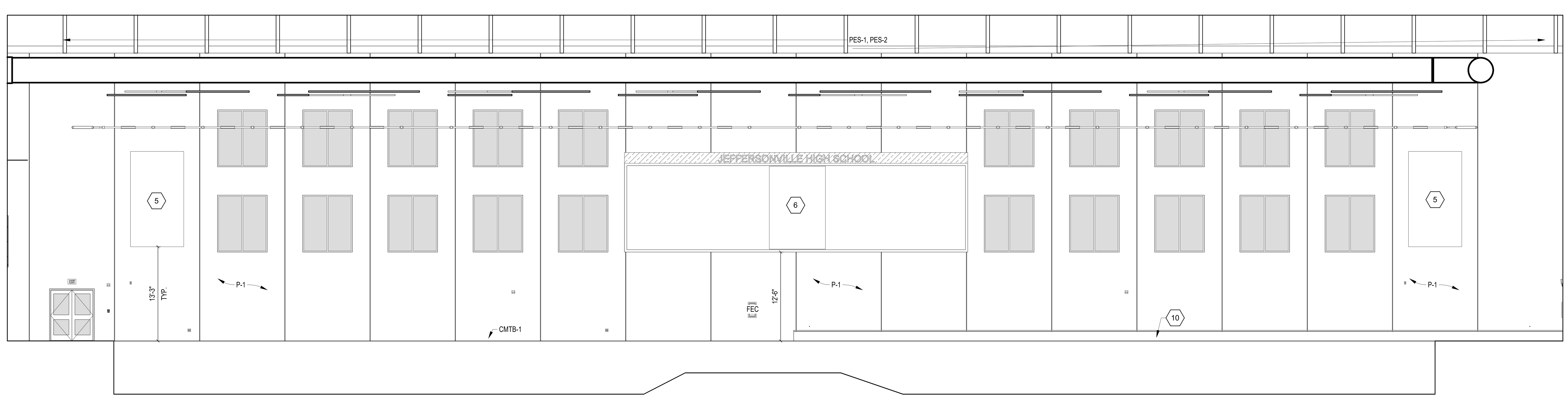
4 EAST - MAIN POOL SPACE A121

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



2 SOUTH - MAIN POOL SPACE A121

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



5 NORTH - MAIN POOL SPACE A121

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

INTERIOR ELEVATION NOTES

X

(ALL NOTES MAY NOT BE INDICATED ON THIS SHEET)

1 PROVIDE SSM-3 AND SSM-4 CASEWORK SURROUND.
2 TV MONITOR. REFER TO TECHNOLOGY DRAWINGS FOR ADDITIONAL INFORMATION.
3 LINEAR METAL CEILING CLOUDS, LMC-1.
4 DIMENSIONAL LETTER SIGNAGE, BY OTHERS.
5 RECORDS BOARD, BY OWNER.
6 SCOREBOARD, REFER TO DIVISION 13 SPECIFICATIONS.
7 PROVIDE 2" THICK CONTINUOUS PERFORATED/FLAT METAL SCREEN ABSORPTION WALL PANELS, SAW-1, SAW-2, AND SAW-3 w/ TYPICAL 1" REVEALS. CONTINUE PAINT FINISH BEHIND SAW PANELS. REFER TO INTERIOR ELEVATIONS FOR ADDITIONAL INFORMATION.
8 1 1/2"H SOLID SURFACE WALL CAP, SSM-1.
9 NOTCH METAL PANELING AROUND BUILT-IN FEC, ELECTRICAL OUTLETS, EQUIPMENT, ETC.
10 BUILT-IN BENCH w/ SPTC-2 TOP, CMTB-1 BASE & PAINTED FACE. REFER TO A1 SERIES SHEETS FOR DETAILS.
11 SCHLUTER DILEX BASE TRIM.
12 SCLUTER QUADEC OUTSIDE CORNER TRIM
13 PAINT WALL PT-1 AS SCHEDULED, WALL PAINT FINISH TO CONTINUE BEHIND SOUND ABSORBING WALL UNITS.
14 REFER TO 2/A8.32 FOR SOUND ABSORBING WALL UNIT INFORMATION.

VERIFICATION NOTE

CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CLEARANCES AND ALL EXISTING FIELD CONDITIONS BEFORE STARTING CONSTRUCTION. COMMENCEMENT OF WORK CONSTITUTES ACCEPTANCE OF CONDITIONS.

SHOULD DIFFERENT CONDITIONS BE ENCOUNTERED, CONTACT THE ARCHITECT BEFORE PROCEEDING WITH WORK.

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2315 ALLISON LN.
JEFFERSONVILLE, IN 47130

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REV. NO.	DESCRIPTION	DATE
3	ADDENDUM #3	1.17.2024

INTERIOR ELEVATIONS

A8.31

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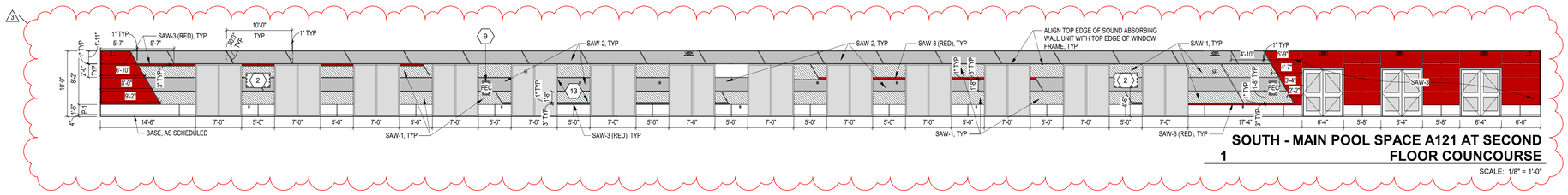
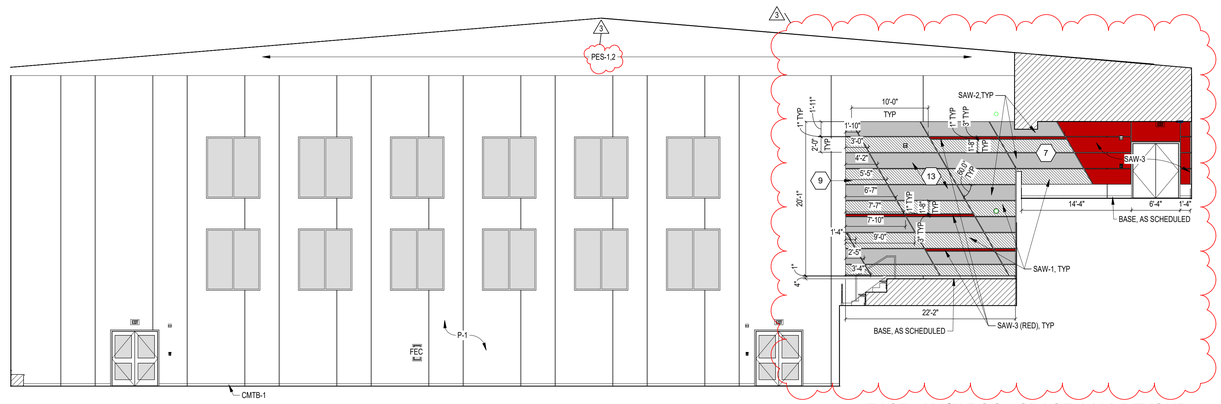


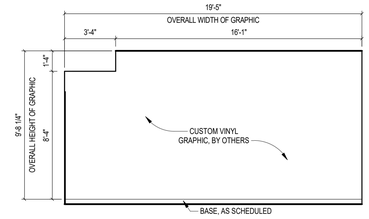
1 SOUTH - MAIN POOL SPACE A121 AT SECOND FLOOR COUNCOURSE

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



2 EAST - MAIN POOL SPACE A121 BEYOND BLEACHERS

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



3 A109 ELEVATION - NORTH

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

INTERIOR ELEVATION NOTES

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1. PROVIDE SSM-3 AND SSM-4 CASEWORK SURROUND.
2. TV MONITOR. REFER TO TECHNOLOGY DRAWINGS FOR ADDITIONAL INFORMATION.
3. LINEAR METAL CEILING CLOUDS, LMC-1.
4. DIMENSIONAL LETTER SIGNAGE, BY OTHERS.
5. RECORDS BOARD, BY OWNER.
6. SCOREBOARD, REFER TO DIVISION 13 SPECIFICATIONS.
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8. 1 1/2"H SOLID SURFACE WALL CAP, SSM-1.
9. NOTCH METAL PANELING AROUND BUILT-IN FEC, ELECTRICAL OUTLETS, EQUIPMENT, ETC.
10. BUILT-IN BENCH w/ SPTC-2 TOP, CMTB-1 BASE & PAINTED FACE. REFER TO A1 SERIES SHEETS FOR DETAILS.
11. SCHLUTER DILEX BASE TRIM.
12. SCLUTER QUADEC OUTSIDE CORNER TRIM
13. PAINT WALL PT-1 AS SCHEDULED. WALL PAINT FINISH TO CONTINUE BEHIND SOUND ABSORBING WALL UNITS.
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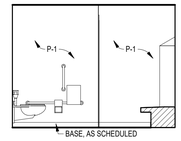
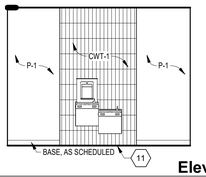
INTERIOR ELEVATIONS

A8.32



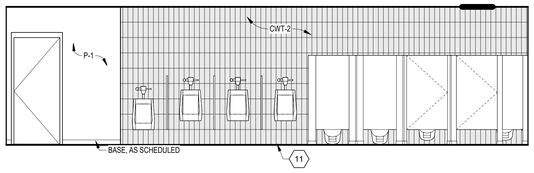
9 B148,B149 TYP ELEVATION - SOUTHWEST

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



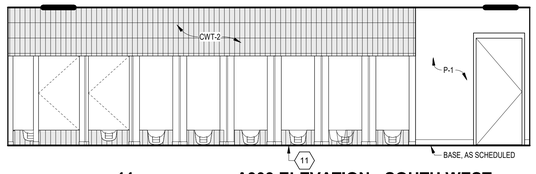
15 Elevation 2 - a

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



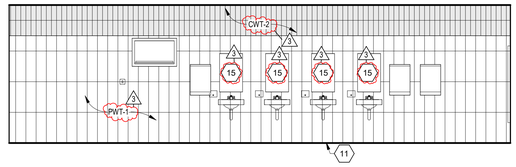
10 A302 ELEVATION - NORTH EAST

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



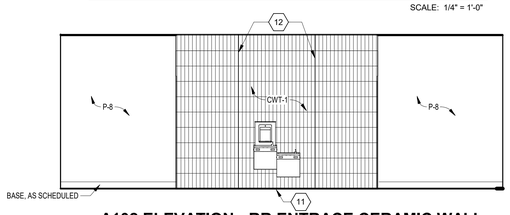
11 A303 ELEVATION - SOUTH WEST

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



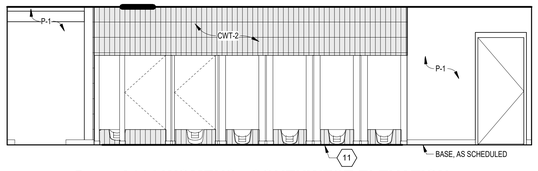
3 A302, A303 ELEVATION- TYPICAL SINK WALL

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



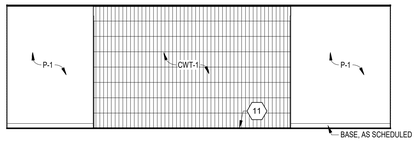
A102 ELEVATION - RR ENTRACE CERAMIC WALL TILE 4

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



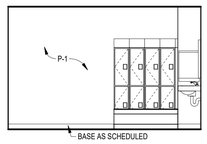
5 A114 WOMENS - SOUTHWEST ELEVATION

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



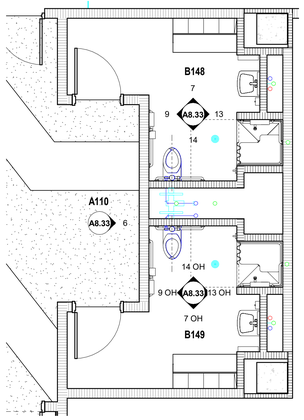
A110 ELEVATION - RR ENTRANCE CERAMIC WALL TILE 6

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



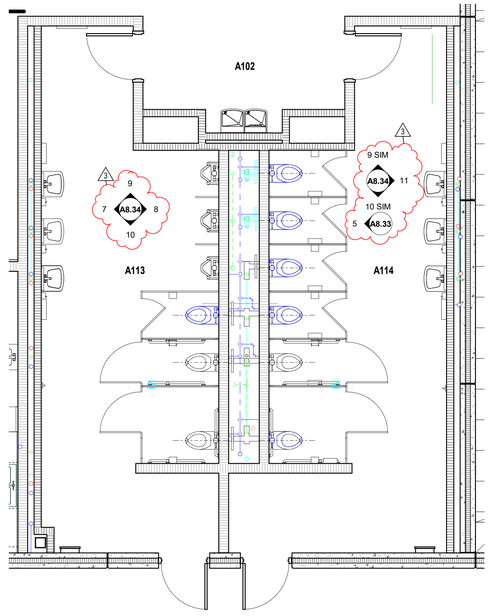
7 B148,B149 TYP ELEVATION - NORTHWEST

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



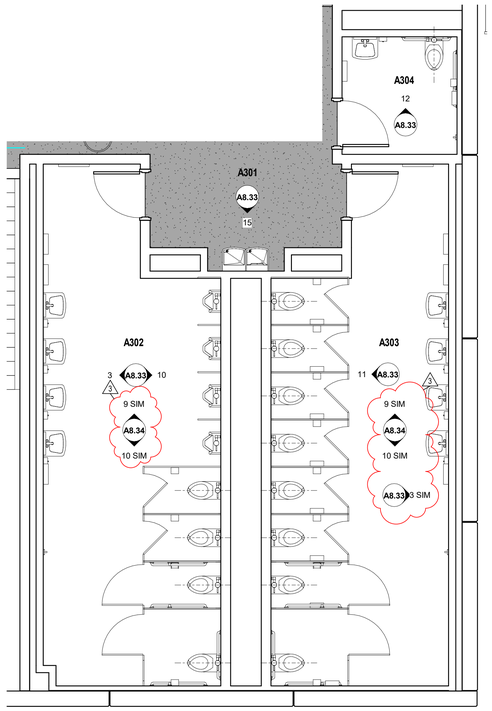
FIRST FLOOR ENLARGED PLAN - B148, B149 RESTROOMS 8

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



FIRST FLOOR ENLARGED PLAN - A113, A114 MENS AND WOMENS RESTROOM 1

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



SECOND FLOOR ENLARGED PLAN - B302,B303, AND B304 RESTROOMS 2

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

INTERIOR ELEVATION NOTES

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12. SCHLUTER QUADEC OUTSIDE CORNER TRIM.
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14. REFER TO 2/A8.32 FOR SOUND ABSORBING WALL UNIT INFORMATION.
15. MIRROR.

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A B

KEY PLAN

NORTH

ISSUED FOR CONSTRUCTION

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PROJECT MANAGER: JM

DRAWN BY: KMS

PROJECT NUMBER: 222038.00

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INTERIOR ELEVATIONS

A8.33

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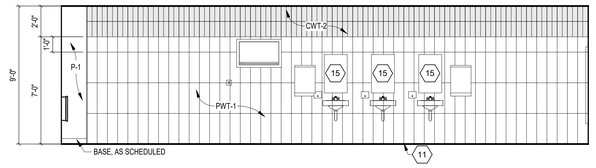
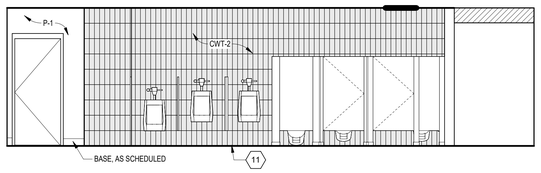
1/17/2024 4:27:16 PM



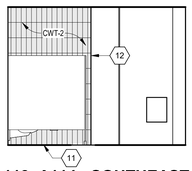
7 A113 MENS - SOUTHWEST ELEVATION

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



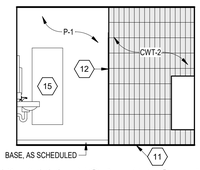
8 A113 MENS - NORTHEAST ELEVATION

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



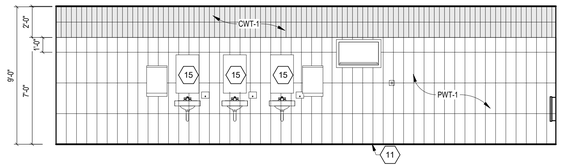
10 A113, A114 - SOUTHEAST ELEVATION

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



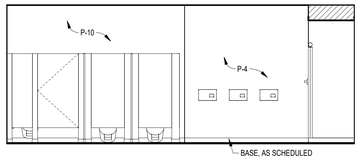
9 A113, A114 - NORTHWEST ELEVATION

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



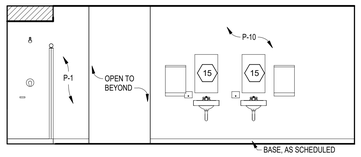
11 A114 WOMENS - NORTHEAST ELEVATION

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



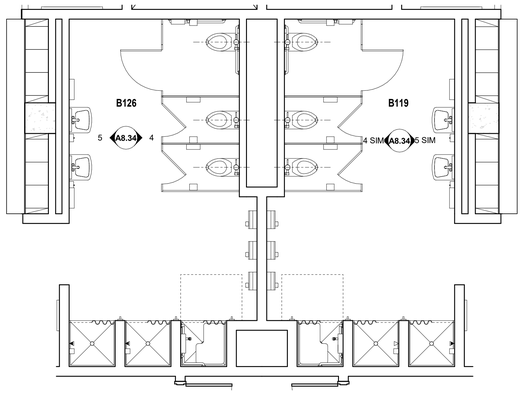
B119, B126 GIRLS LOCKER GROUP RR - TYPICAL
4 FIXTURE WALL ELEVATION

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



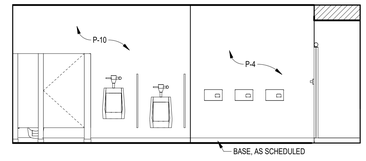
B119, B126 GIRLS LOCKER GROUP RR - TYPICAL
5 SINK WALL ELEVATION

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



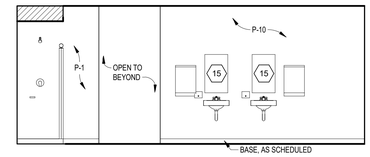
FIRST FLOOR ENLARGED PLAN - B119, B126
6 RESTROOMS

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



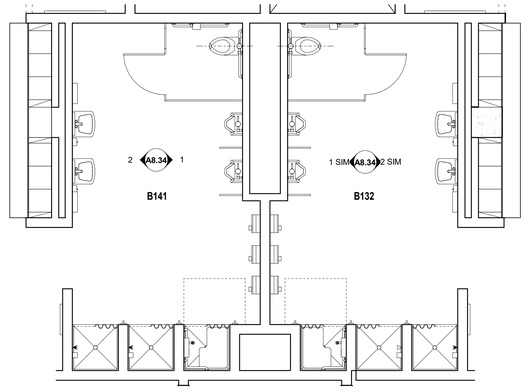
B132, B141 BOYS LOCKER GROUP RR - TYPICAL
1 FIXTURE WALL ELEVATION

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



B132,B141 BOYS LOCKER GROUP RR - TYPICAL
2 SINK WALL ELEVATION

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



FIRST FLOOR ENLARGED PLAN - B132, B141
3 RESTROOMS

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

INTERIOR ELEVATION NOTES (X)

(ALL NOTES MAY NOT BE INDICATED ON THIS SHEET)

1 PROVIDE SSM-3 AND SSM-4 CASEWORK SURROUND.
2 TV MONITOR. REFER TO TECHNOLOGY DRAWINGS FOR ADDITIONAL INFORMATION.
3 LINEAR METAL CEILING CLOUDS, LMC-1.
4 DIMENSIONAL LETTER SIGNAGE, BY OTHERS.
5 RECORDS BOARD, BY OWNER.
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7 PROVIDE 2" THICK CONTINUOUS PERFORATED/FLAT METAL SCREEN ABSORPTION WALL PANELS; SAW-1, SAW-2, AND SAW-3 w/ TYPICAL 1" REVEALS. CONTINUE PAINT FINISH BEHIND SAW PANELS. REFER TO INTERIOR ELEVATIONS FOR ADDITIONAL INFORMATION.
8 1 1/2"H SOLID SURFACE WALL CAP, SSM-1.
9 NOTCH METAL PANELING AROUND BUILT-IN FEC, ELECTRICAL OUTLETS, EQUIPMENT, ETC.
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14 REFER TO 2/A8.32 FOR SOUND ABSORBING WALL UNIT INFORMATION.
15 MIRROR.

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KEY PLAN

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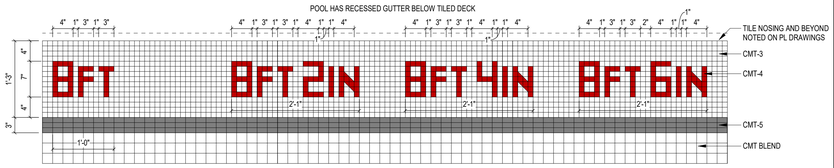
PROJECT ISSUE DATE: 11/20/2023

REV. NO.	DESCRIPTION	DATE
3	ADDENDUM #3	1.17.2024

INTERIOR ELEVATIONS

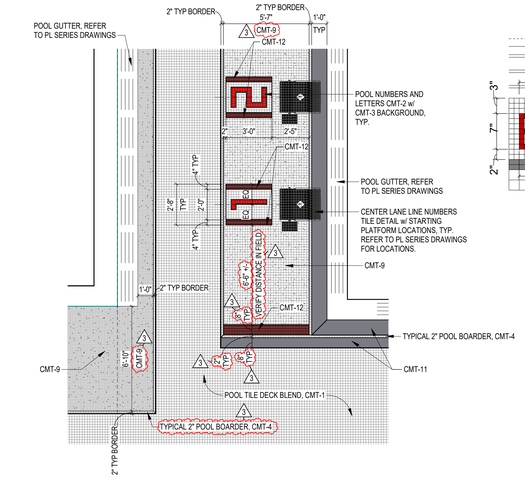
A8.34

C:\Users\kingsley\Documents\2021_EQPT_222038.00_kingsleary9XTY3.rvt
1/17/2024 4:27:31 PM



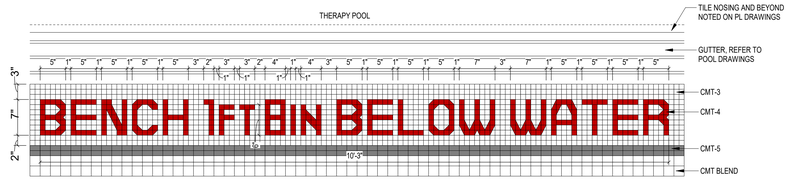
1 MAIN POOL DEPTH MARKINGS

SCALE: 1" = 1'-0"



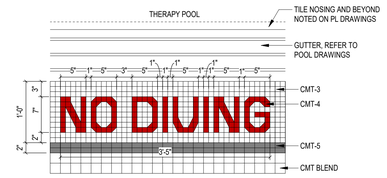
7 ENLARGED PLAN - A121 NATATORIUM DECK TILE DETAIL

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



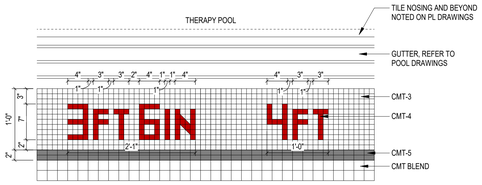
5 BENCH BELOW WATER DETAIL

SCALE: 1" = 1'-0"



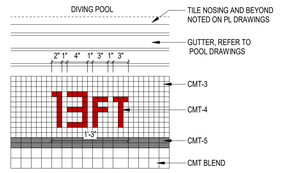
2 NO DIVING TILE DETAIL

SCALE: 1" = 1'-0"



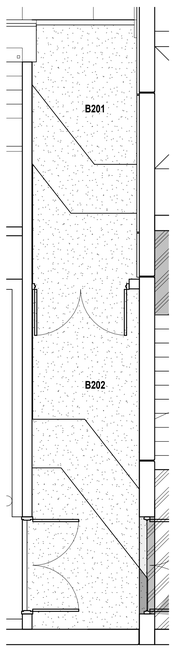
6 THERAPY POOL DEPTH MARKINGS

SCALE: 1" = 1'-0"



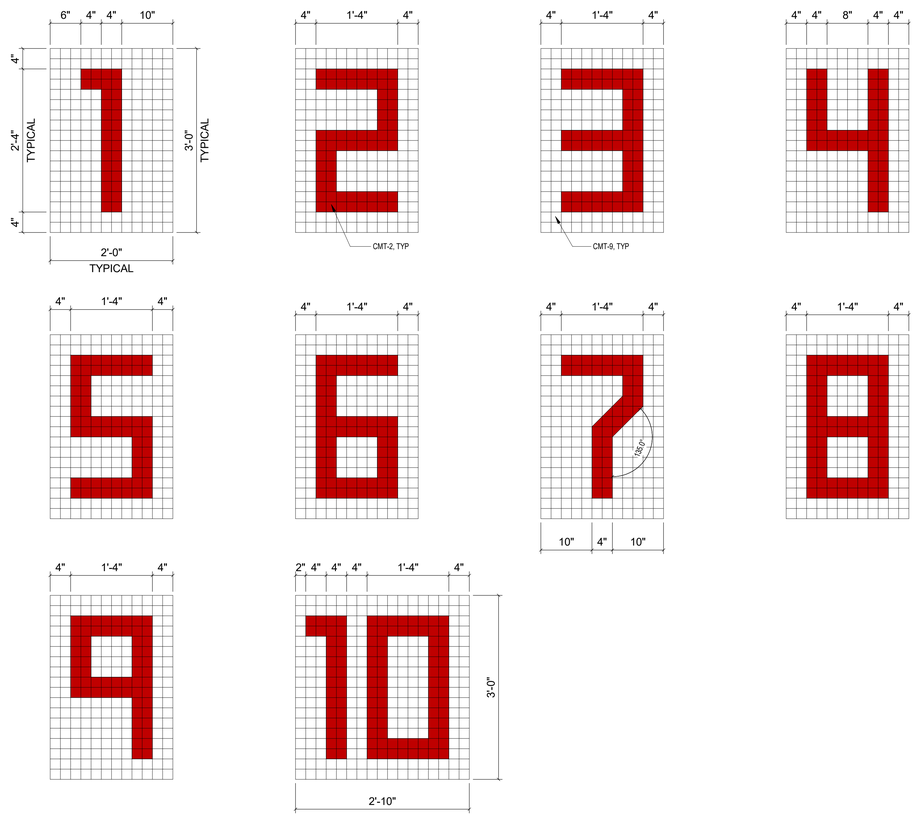
3 DIVING TANK

SCALE: 1" = 1'-0"



8 B201 AND B202 FLOOR PATTERN DETAIL

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



4 POOL LANE NUMBER DETAIL

SCALE: 1" = 1'-0"

JEFFERSONVILLE HIGH SCHOOL NATATORIUM

2315 ALLISON LN.
JEFFERSONVILLE, IN 47130

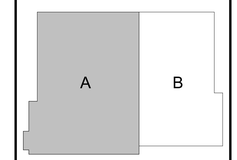
GREATER CLARK COUNTY SCHOOLS

GCCS

ARCHITECT

FANNING HOWEY

317-848-0966 WWW.FHAI.COM



KEY PLAN

ISSUED FOR CONSTRUCTION

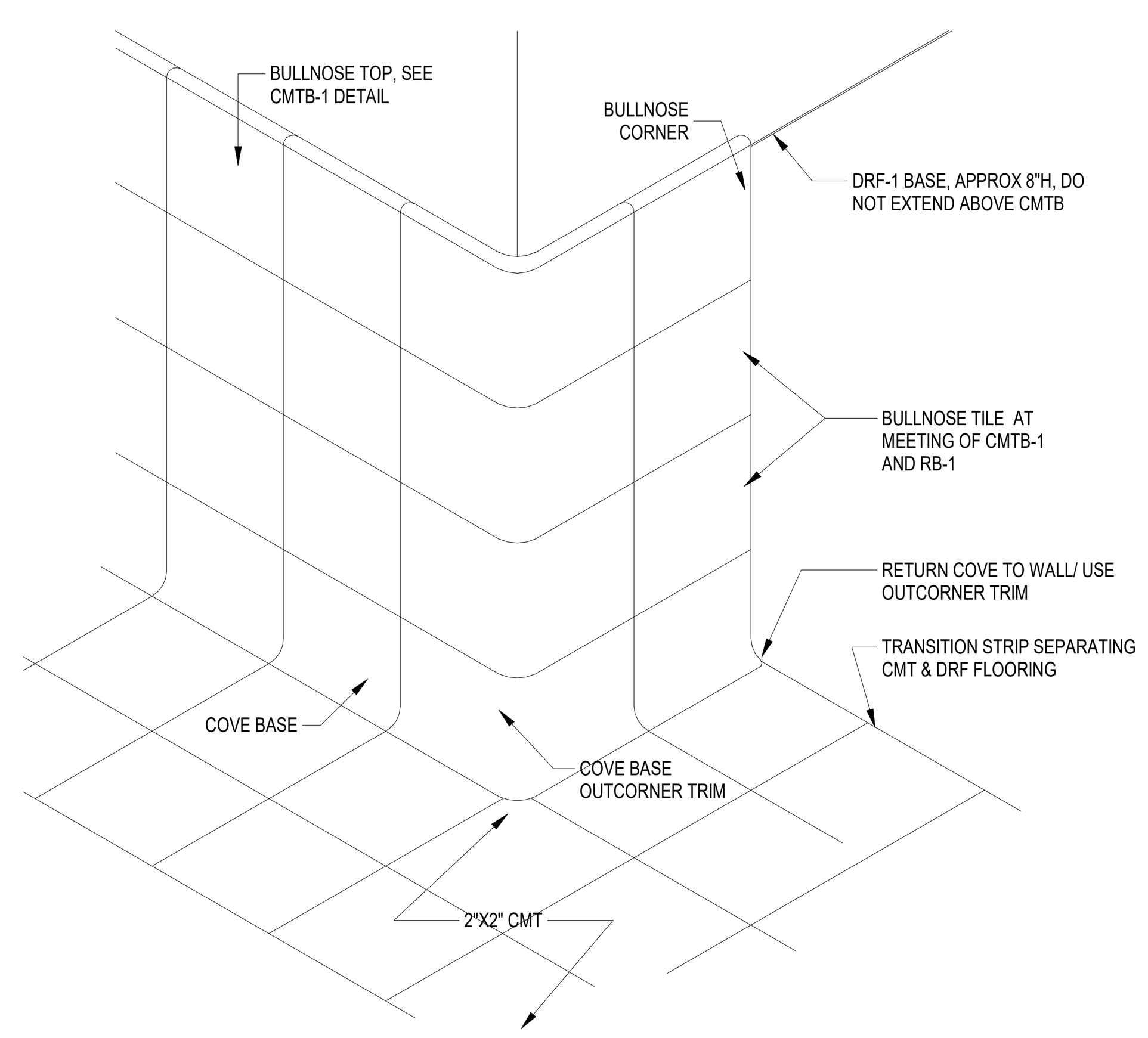
PAUL A. MILLER REGISTERED No. AR10800161 STATE OF INDIANA ARCHITECT

PROJECT MANAGER: JM
DRAWN BY: KMS
PROJECT NUMBER: 222038.00
PROJECT ISSUE DATE: 11/20/2023

REV. NO.	DESCRIPTION	DATE
3	ADDENDUM #3	1.17.2024

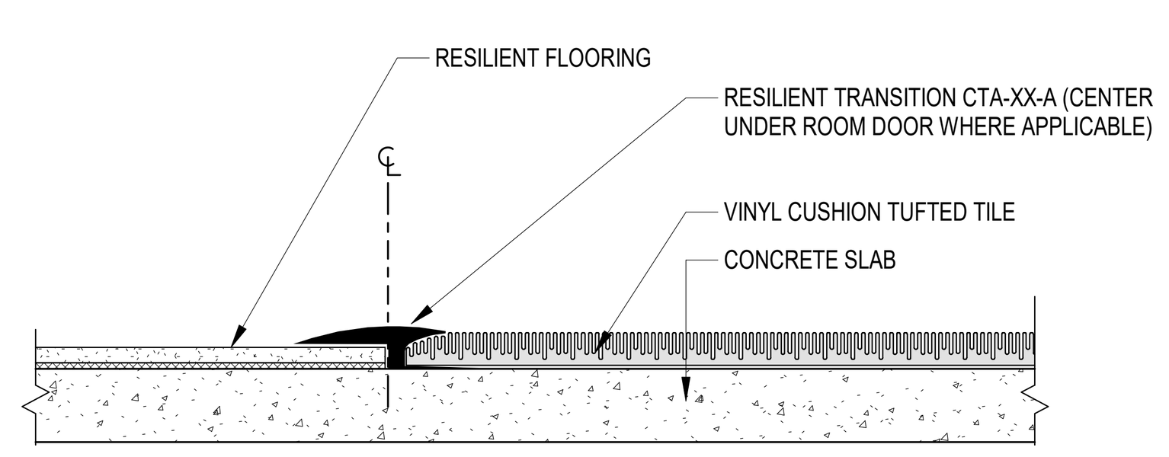
INTERIOR DETAILS

A8.40



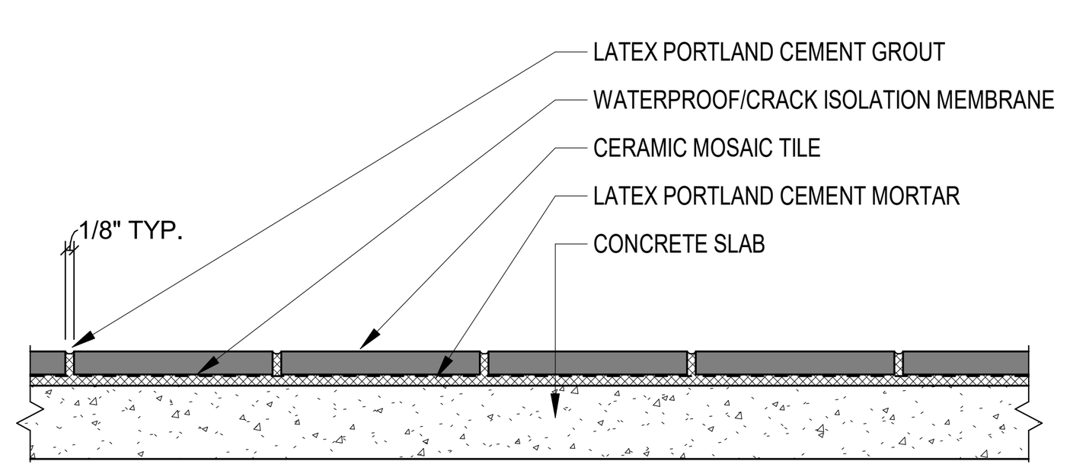
CMTB TO DRF TRANSITION DETAIL

- SCALE: NTS
- REFER TO PROJECT MANUAL FOR ADDITIONAL INFORMATION



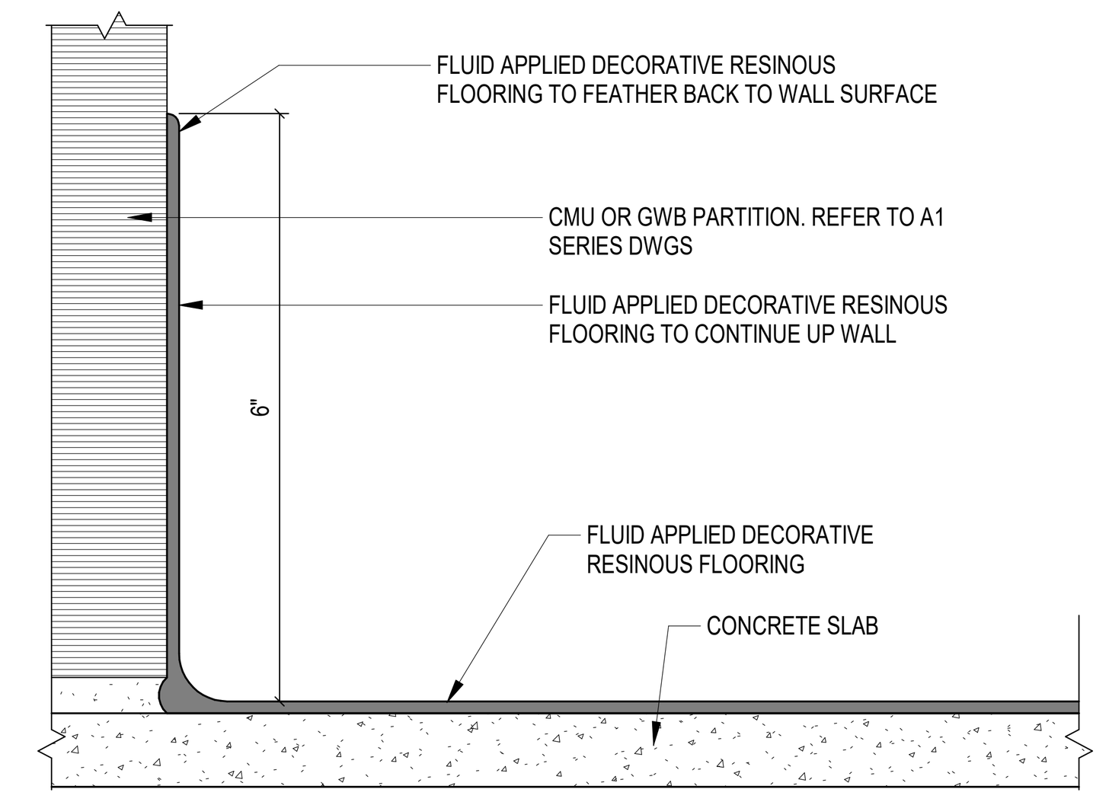
FLOOR TRANSITION DETAIL VCTT to RESILIENT FLOORING

- SCALE: NTS
- REFER TO PROJECT MANUAL FOR ADDITIONAL INFORMATION



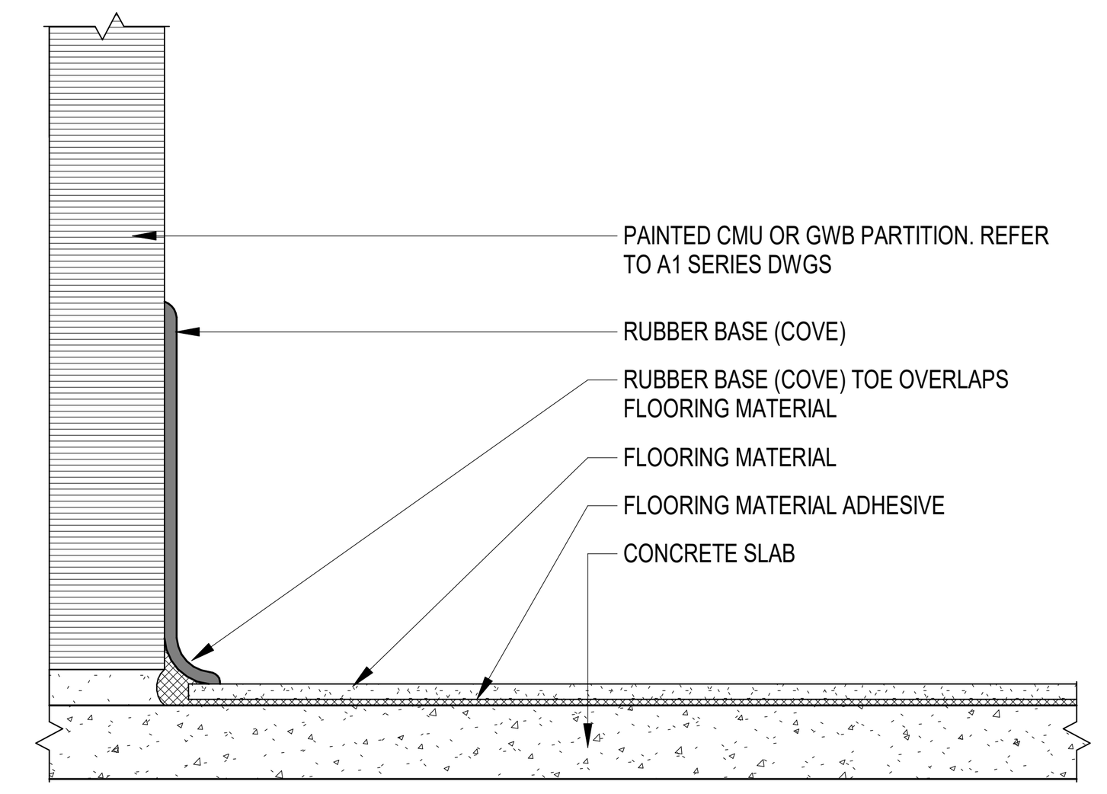
CMT FLOOR TILE DETAIL

- SCALE: 6" = 1'-0"
- REFER TO PROJECT MANUAL FOR ADDITIONAL INFORMATION



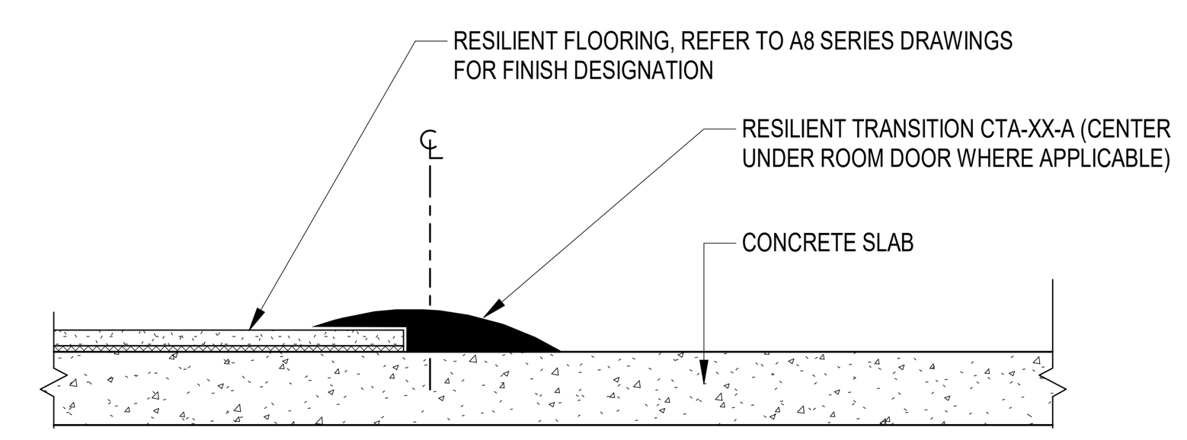
DRF WALL BASE DETAIL

- NOT TO SCALE
- REFER TO PROJECT MANUAL FOR ADDITIONAL INFORMATION



RB WALL BASE DETAIL

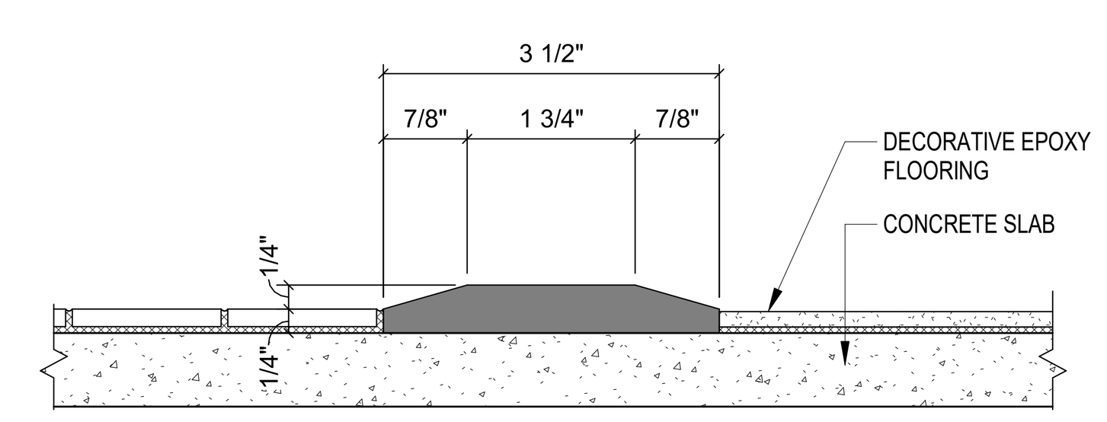
- SCALE: 6" = 1'-0"
- REFER TO PROJECT MANUAL FOR ADDITIONAL INFORMATION



FLOOR TRANSITION DETAIL MEF/EF/FS to RESILIENT FLOORING

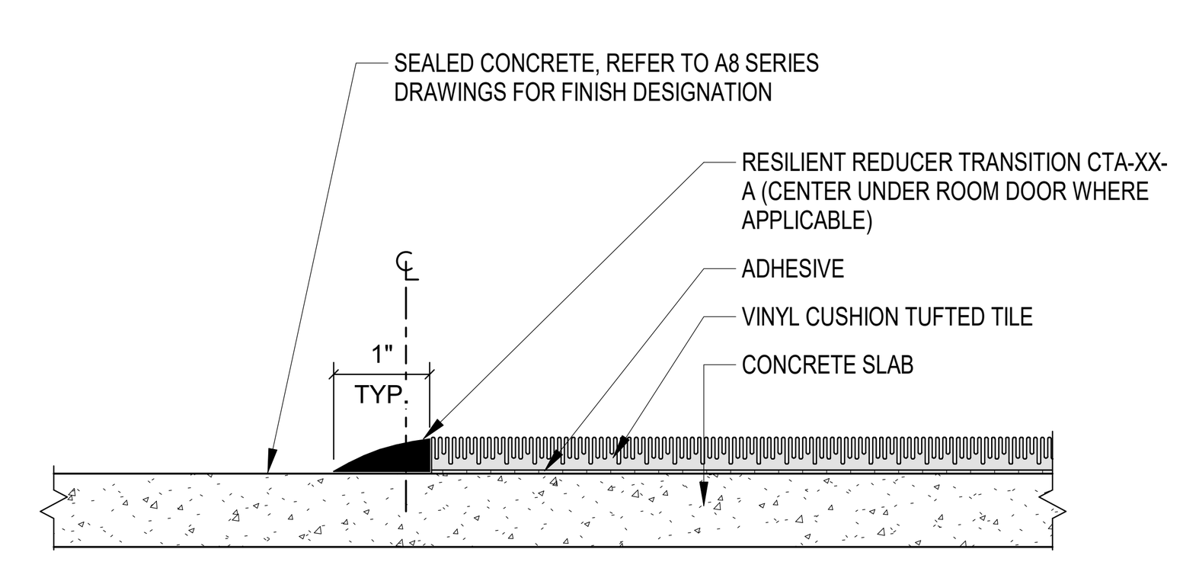
- SCALE: NTS
- REFER TO PROJECT MANUAL FOR ADDITIONAL INFORMATION

NOTE:
- VERIFY ADJACENT FLOORING MATERIAL AND INSTALL ACCORDINGLY
- WHERE MARBLE THRESHOLD IS INSTALLED AT DOOR FRAME PLACE ON INSIDE OF JAMB WHERE DOOR SWINGS OUTWARD, TYP.



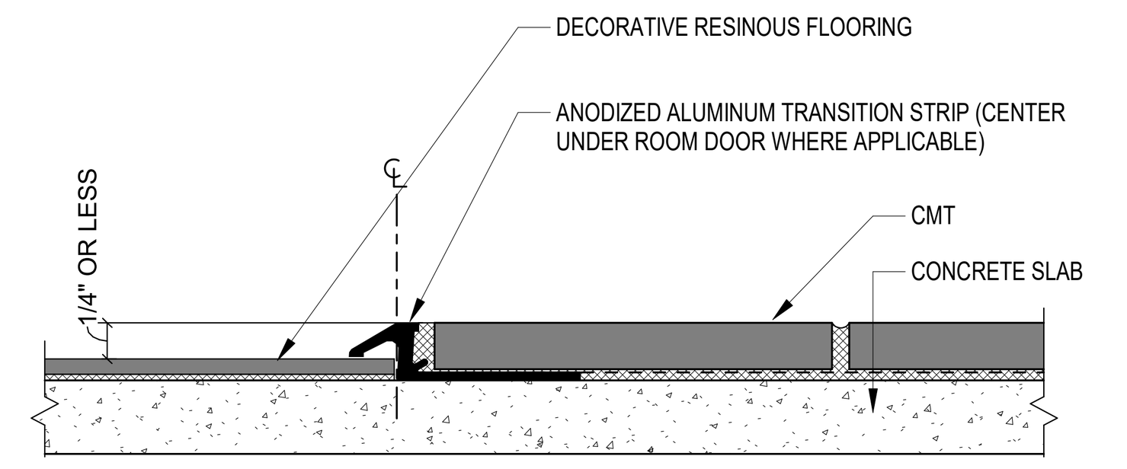
FLOOR TRANSITION DETAIL MARBLE THRESHOLD

- SCALE: NTS
- REFER TO PROJECT MANUAL FOR ADDITIONAL INFORMATION



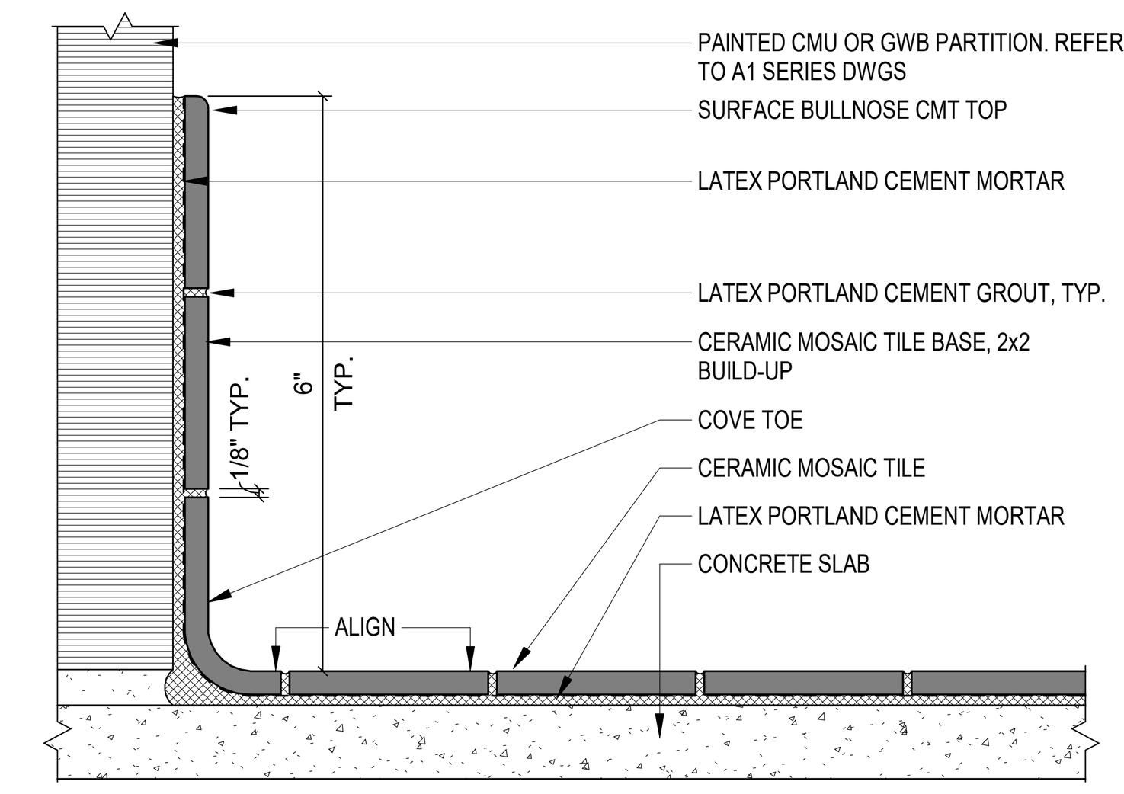
FLOOR TRANSITION DETAIL VCTT to MEF/EF/FS

- SCALE: NTS
- REFER TO PROJECT MANUAL FOR ADDITIONAL INFORMATION
- DETAIL SIMILAR FOR TERR TO CSC FLOORING TRANSITION.



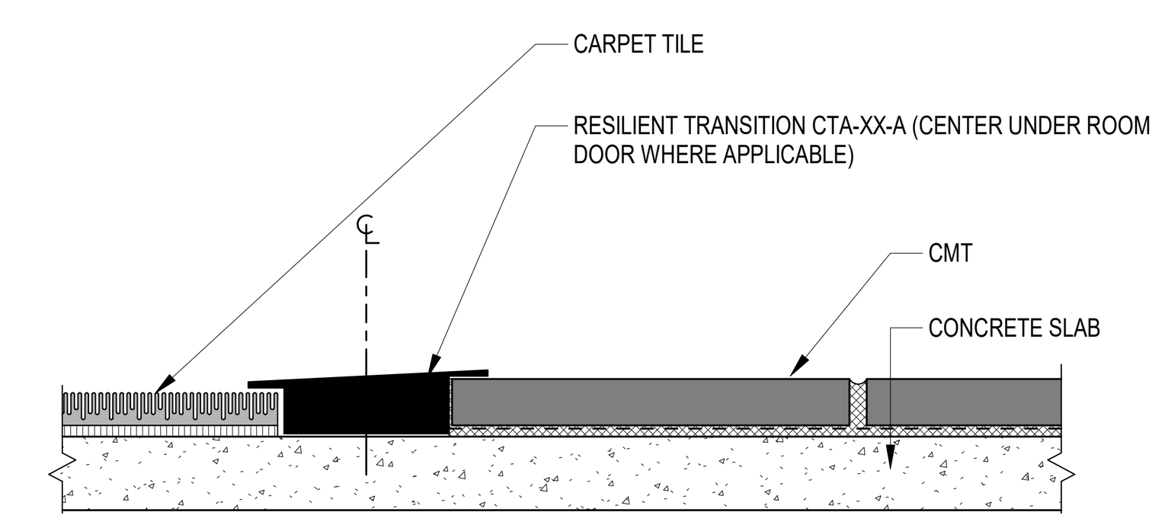
FLOOR TRANSITION DETAIL CMT to DECORATIVE RESINOUS FLOORING

- SCALE: NTS
- REFER TO PROJECT MANUAL FOR ADDITIONAL INFORMATION



CMT WALL BASE DETAIL

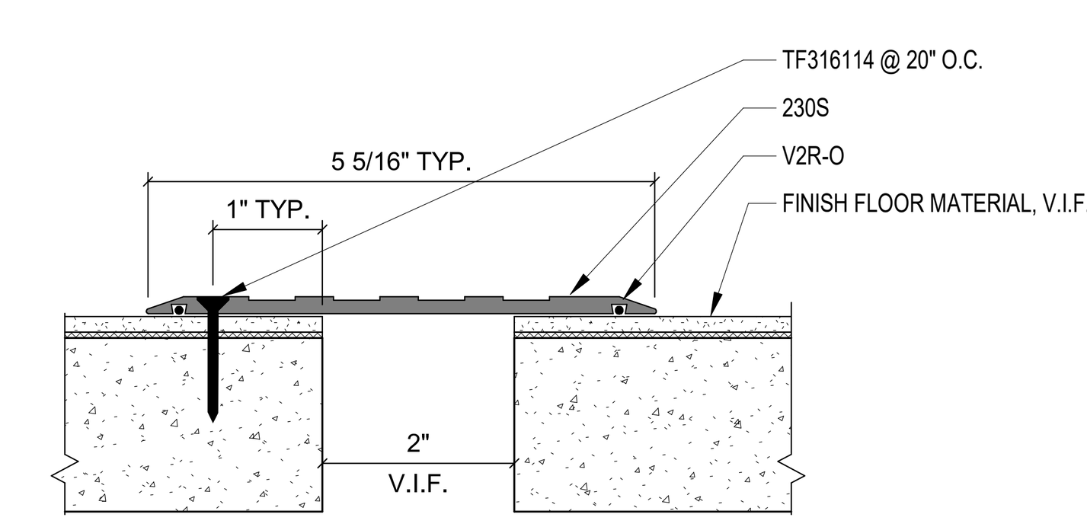
- SCALE: 6" = 1'-0"
- REFER TO PROJECT MANUAL FOR ADDITIONAL INFORMATION
- DETAIL REFERS TO CMT AT PAINTED WALL PARTITION



FLOOR TRANSITION DETAIL CMT to VCTT

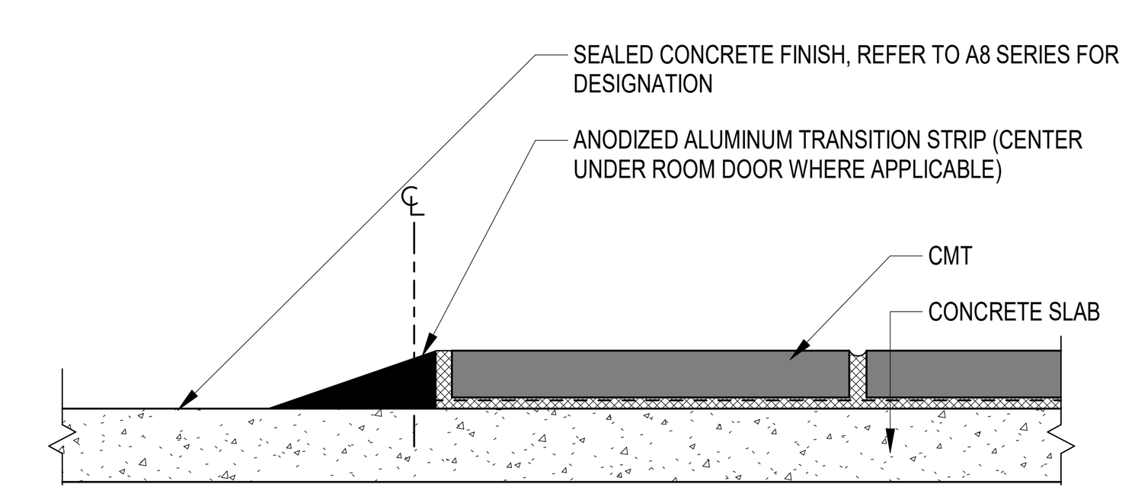
- SCALE: NTS
- REFER TO PROJECT MANUAL FOR ADDITIONAL INFORMATION

NOTE:
- VERIFY ADJACENT FLOORING MATERIAL AND INSTALL ACCORDINGLY
- DETAIL REFERS TO BALCO INC. GF-2S GYMNASIUM FLOOR SYSTEM WITH MILL FINISH ALUMINUM COVER



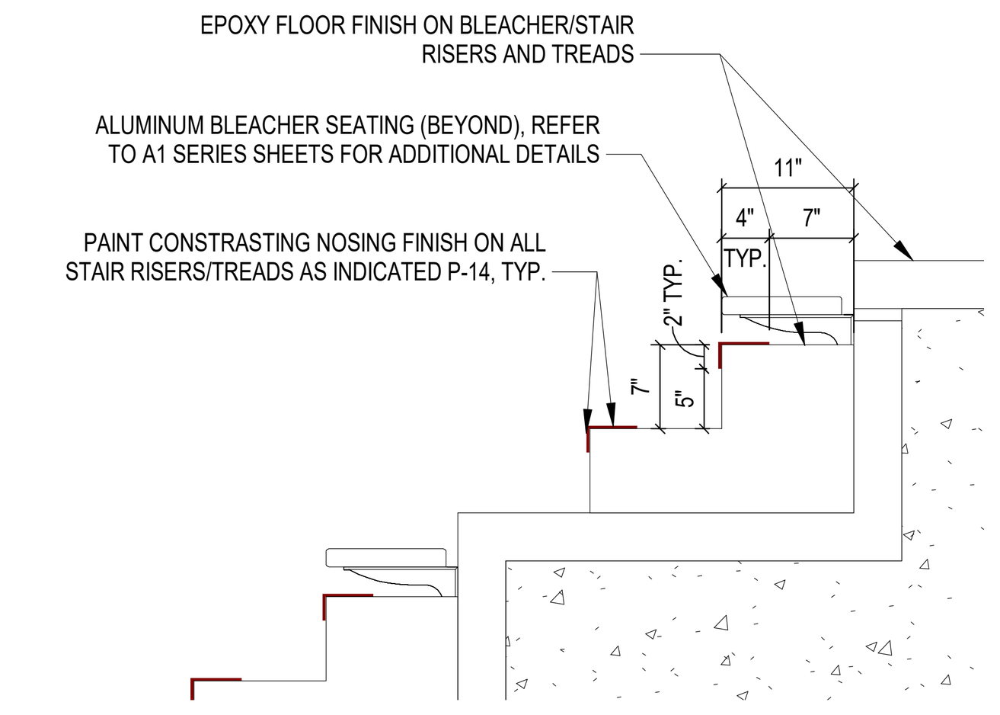
FLOOR TRANSITION DETAIL EXPANSION JOINT DETAIL

- SCALE: NTS
- REFER TO PROJECT MANUAL FOR ADDITIONAL INFORMATION



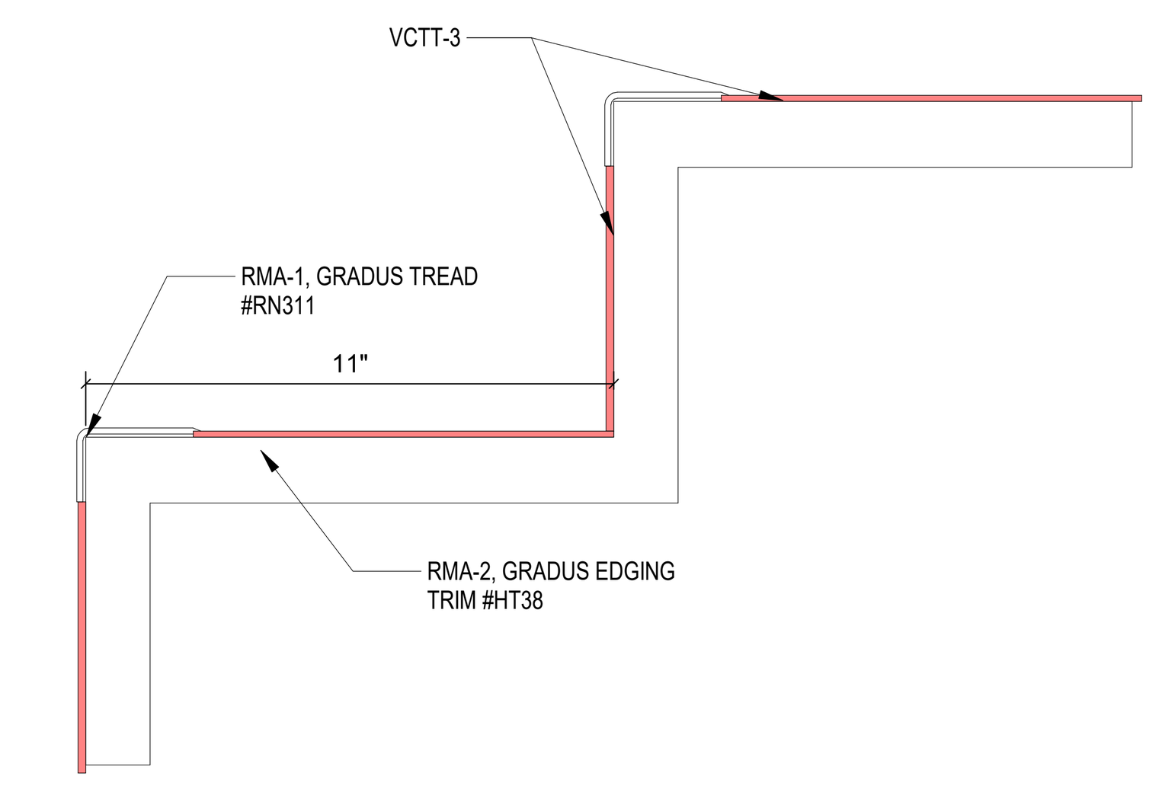
FLOOR TRANSITION DETAIL CMT to MEF/EF/FS

- SCALE: NTS
- REFER TO PROJECT MANUAL FOR ADDITIONAL INFORMATION



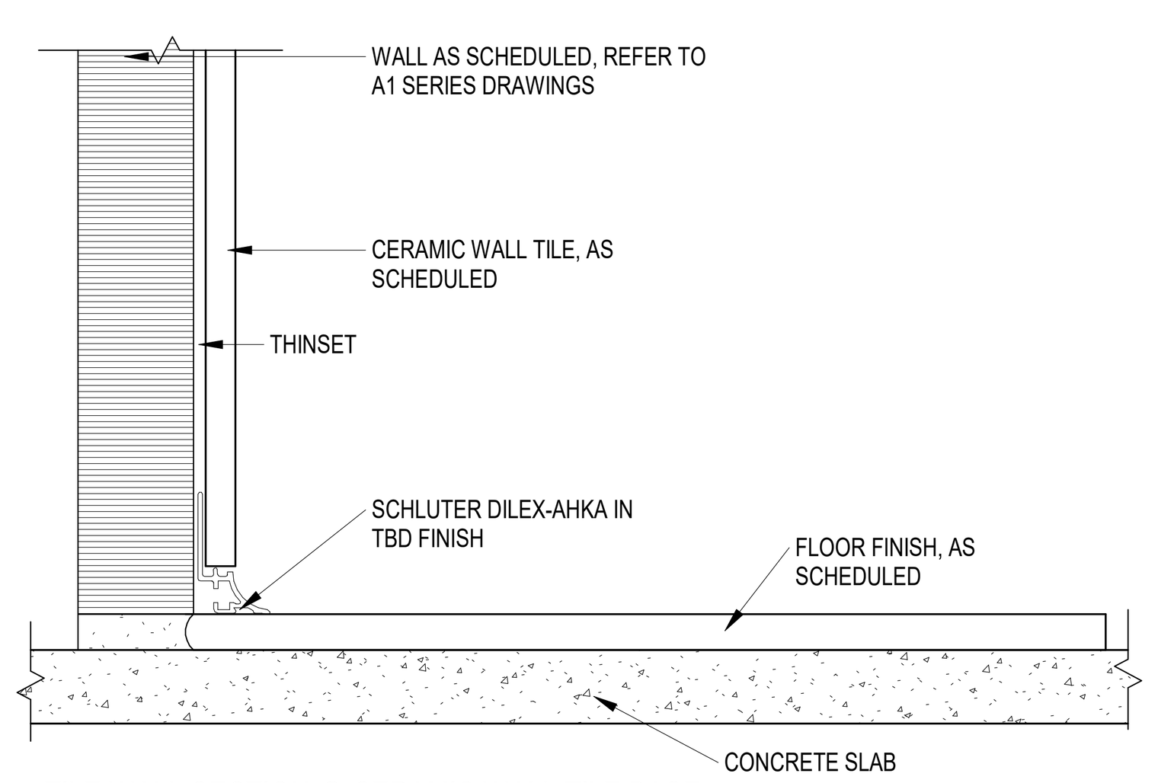
1 BLEACHER STAIR RISER DETAIL

SCALE: 3/4" = 1'-0"

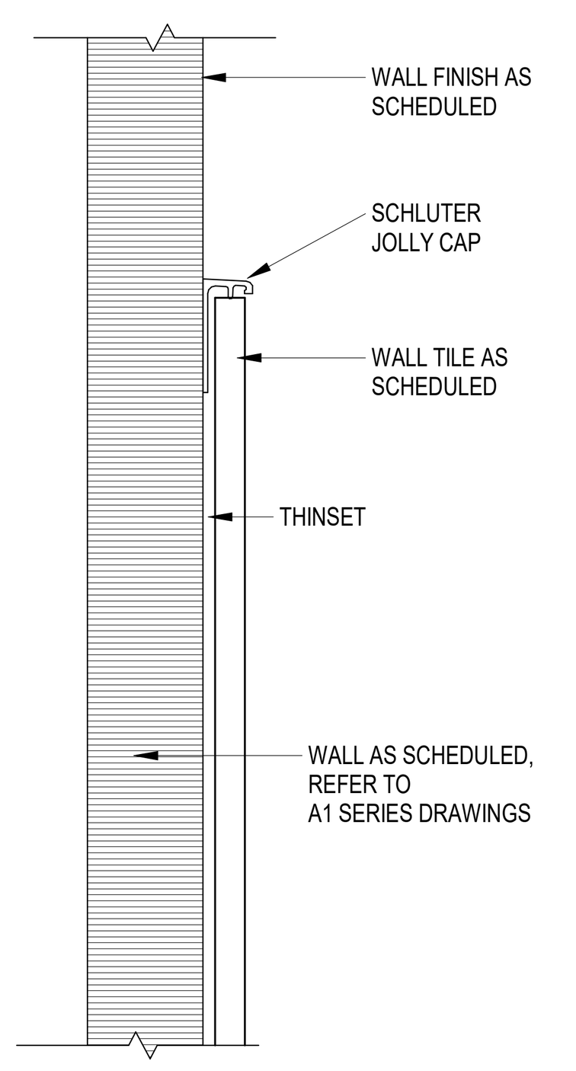


2 STAIR NOSING DETAIL AT VCTT

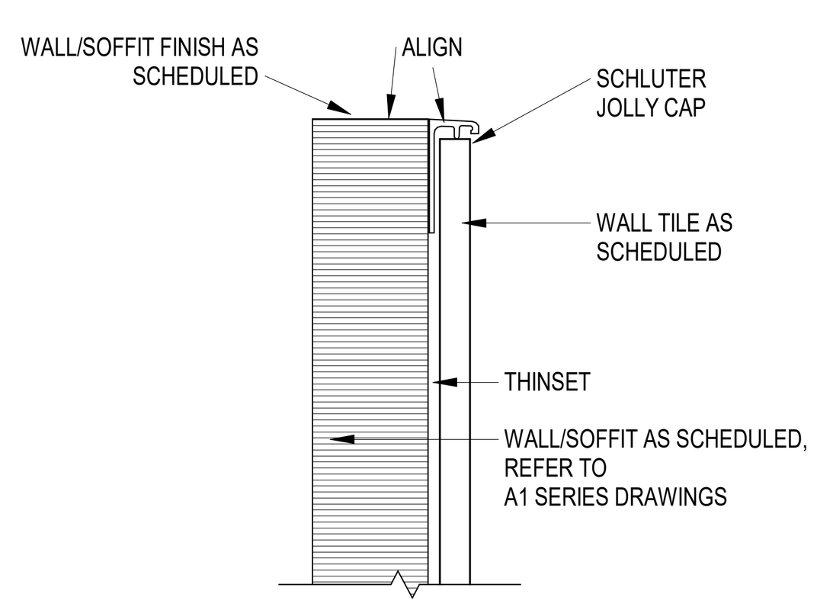
SCALE: 3" = 1'-0"



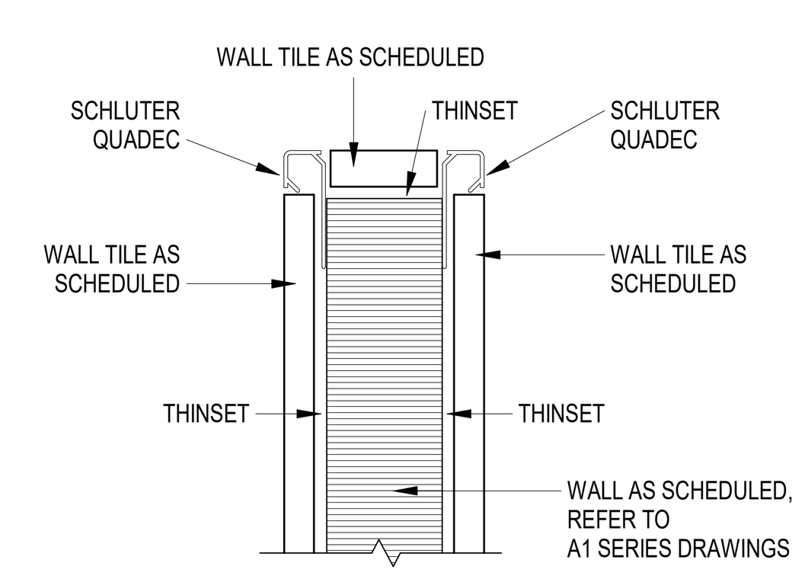
TILE WALL SECTION @ CERAMIC WALL TILE BASE



TILE WALL SECTION



WALL END



TILE WALL END

WALL TILE TRANSITIONS

SCALE: 6" = 1'-0"

FLOOR TRANSITIONS

SCALE: 6" = 1'-0"

JEFFERSONVILLE HIGH SCHOOL NATATORIUM

2315 ALLISON LN.
JEFFERSONVILLE, IN 47130

GREATER CLARK COUNTY SCHOOLS

GCCS

ARCHITECT

FANNING HOWEY

317-848-0966 WWW.FHAI.COM

ISSUED FOR CONSTRUCTION

PAUL A. MILLER REGISTERED No. AR10800161 STATE OF INDIANA ARCHITECT

PROJECT MANAGER: JM
DRAWN BY: KMS
PROJECT NUMBER: 222038.00
PROJECT ISSUE DATE: 11/20/2023

REV. NO.	DESCRIPTION	DATE
3	ADDENDUM #3	1.17.2024

TRANSITION DETAILS

A8.41

MATERIAL & FINISH GENERAL NOTES

GENERAL

A. REFER TO A7 SERIES EQUIPMENT PLAN DRAWINGS AND DETAILS FOR EQUIPMENT, MATERIALS, AND COLORS.
B. REFER TO A8 SERIES FINISH PLAN DRAWINGS AND DETAILS FOR MATERIALS, PATTERNS, AND COLORS.
C. REFER TO A7S.01 LIST OF FINISHES FOR ADDITIONAL FINISHES NOT NOTED ON THIS SHEET.

FLOORING

A. CENTER FLOORING TILE AND PATTERN IN ROOM UNLESS OTHERWISE INDICATED ON FINISH PLANS.
B. ALIGN EDGE OF FINISHED FLOOR MATERIAL WITH EDGE OF WALL OR CASEWORK.
C. FLOOR FINISH MATERIAL TRANSITIONS SHALL OCCUR UNDER THE CENTER OF THE DOOR UNLESS OTHERWISE INDICATED.
D. EXTEND FLOOR MATERIAL AND PATTERN UNDER ALL OPEN TO THE FLOOR CASEWORK AND FURNTURE.
E. COORDINATE CONTROL JOINTS IN CONCRETE SLAB WITH STRUCTURAL DRAWINGS AND FINISH FLOORING INSTALLER.
F. REFER TO FLOOR PLANS, RESTROOM ENLARGED PLANS, PLUMBING DRAWINGS, ETC. FOR FLOOR DRAIN LOCATIONS. COORDINATION FLOOR FINISH INSTALLATION WITH FLOOR DRAIN LOCATIONS FOR PROPER INSTALLATION.
G. PROVIDE RSA ON ALL STAIRS, INCLUDE RT (HAMMERED FINISH) ON ALL STAIRS/STAIR LANDINGS. REFER TO FINISH PLANS FOR MATERIAL/COLOR TO BE INSTALLED.
H. AT BUILDING EXPANSION JOINTS (IF APPLICABLE) PROVIDE PRE-FABRICATED MOVEMENT PROFILE SYSTEM IN MORTAR BED. PROVIDE SCHLUTER DILEX-EDP OR APPROVED EQUAL. TYPICAL AT ALL LOCATIONS.

RESILIENT TILE

A. ALL RUBBER FLOOR TILE (RFT) PATTERNS BASED ON PLANK SIZE INCREMENTS PER MANUFACTURER.

VINYL CUSHION TUFTED TILE

A. VCTT-1, VCTT-2, AND VCTT-3 ALL TO BE INSTALLED IN HALF-DROP PATTERN. (3) REFER TO A8 SERIES DRAWINGS FOR FLOOR PATTERN AND ADDITIONAL DETAILS.
B. PRIOR TO INSTALLATION, CONTRACTOR TO SUBMIT INSTALLATION DRAWINGS INDICATING DIRECTION/LAYOUT OF CARPET TILE TO ENSURE THAT DESIGN INTENT HAS BEEN MPLEMENTED. SINCE THERE IS A DEFINITE DIRECTION TO THE CARPET TILE TO BE INSTALLED, THERE IS A SPECIFIC DIRECTION THAT THE CARPET TILE SHOULD BE INSTALLED. THIS WILL BE CONFIRMED AND SPECIFIED DURING THE SUBMITTAL PROCESS.

CERAMIC WALL TILE

A. GROUT AT ALL CERAMIC WALL TILE LOCATIONS TO BE GT-2 AS INDICATED.

CERAMIC MOSAIC TILE

A. NATATORIUM CERAMIC MOSAIC TILE FLOORS TO HAVE 4"H BUILT-UP COVE BASE (CMTB-1). SEE DETAIL ON AX.XX.
B. GROUT INSIDE COMPETITION AND THERAPY POOLS TO BE GT-3. GROUT AT ALL OTHER CERAMIC TILE LOCATIONS & CERAMIC MOSAIC TILE BASE (CMTB-1) TO BE GT-1.
C. AT BUILDING EXPANSION JOINTS, PROVIDE PRE-FABRICATED MOVEMENT PROFILE SYSTEM AT CMT FLOORING. PROVIDE SCHLUTER DILEX-AKWS OR APPROVED EQUAL. TYPICAL AT ALL LOCATIONS.
D. PROVIDE ANODIZED ALUMINUM SPECIAL PROFILE TRANSITION SYSTEM BETWEEN CERAMIC MOSAIC FLOOR TILE AND VINYL CUSHION TUFTED TILE. PROVIDE SCHLUTER RENO-TK OR APPROVED EQUAL. TYPICAL AT ALL LOCATIONS.
(3) E. COMPETITION AND THERAPY POOL DECKS TO BE CERAMIC MOSAIC TILE, CMT-1.
F. FEILD TILE INSIDE COMPETITION POOL TO BE CMT-3. LANE MARKING TILES TO BE AS FOLLOWS:
   a. MAIN COURSE LINES (50m): CMT-6
   b. CROSS COURSE LINES: CMT-11
   c. 15m LANE MARKINGS (START): CMT-7
   d. 15m LANE MARKINGS (TURN): CMT-8
   e. STEP EDGE MARKINGS: CMT-5
G. FIELD TILE INSIDE THERAPY POOL TO BE CMT-3. ADDITIONAL COLORS TO BE AS FOLLOWS:
   a. STEP EDGE/BENCH EDGE MARKINGS: CMT-5

WALL BASE

A. RUBBER BASE (RB-1)TO BE INSTALLED AT ALL RFT, VCTT, VCT,FS, AND ECT LOCATIONS, UNLESS OTHERWISE INDICATED. ALL RB BASE TO BE COVED.
B. PROVIDE PREFORMED BASE TO MATCH 1" RADIUS AT ALL LOCATIONS WHERE BASE COVER MASONRY BULLNOSE. REFER TO FINISH SCHEDULE FOR BASE MATERIAL TYPE. TYPICAL AT ALL LOCATIONS. AT RB LOCATIONS PROVIDE PREFORMED OUTSIDE CORNERS, AND USE MANUFACTURER'S RECOMMENDED ADHESIVE (CONTACT CEMENT) FOR PROPER ADHESION WITH NO GAPS.
C. DO NOT PROVIDE BASE AT PRE-CAST WALL LOCATIONS WHERE FLOORING OCCURS.

PAINT

A. PAINT ALL WALLS UNLESS OTHERWISE INDICATED ON FINISH PLANS.

ELEVATOR

A. FLOORING TO BE VCTT-1.
B. ELEVATOR CAB FINISH ARE TO BE AS FOLLOWS:
   a. DOORS: TO BE SELECTED
   b. DOOR FRAME: TO BE SELECTED
   c. CEILING FINISH: TO BE SELECTED
   d. WALLS: TO BE SELECTED

PAINT TYPE GENERAL NOTES

A. UNDER SECTION 099123 - INTERIOR PAINTING, PAINT EXPOSED PIPES, DUCTWORK, BREACHING, CONDUIT, INSULATED PIPES, CONDUIT HANGERS, SUPPORTS, BRACING, ETC., WHICH OCCURS IN SPACES DESIGNATED TO BE PAINTED IN PART OR WHOLE.
B. PAINTING AND FINISHING OF EXTERIOR SURFACES AS DESIGNATED. DETAILS SHALL BE UNDER THE WORK SECTION 0991113 - EXTERIOR PAINTING.
C. REFER TO A8 SERIES PLANS AND SPECIFICATIONS FOR INFORMATION ON PAINT TYPES.
D. PAINT ALL CONCRETE SURFACES (NON-HIGH-PERFORMANCE AREAS) WITH PAINT CODE #3.11.
E. PAINT ALL STANDARD CMU WALLS WITH PAINT CODE #4.14.
F. PAINT ALL EXPOSED STEEL STRUCTURE IN ALL AREAS, EXCLUDING POOL ENVIRONMENT WITH PAINT CODE #5.11.
G. PAINT ALL STEEL HOLLOW-METAL DOORS, DOOR FRAMES, WINDOW FRAMES, MISC. WITH PAINT CODE #5.12.
H. PAINT ALL GALVANIZED EXPOSE STEEL STRUCTURE, EXCLUDING POOL ENVIRONMENT WITH PAINT CODE #5.31. PAINT ALL OTHER GALVANIZED EXPOSED STEEL STRUCTUREWITH PAINT CODE #5.32.
I. PAINT ALL GYPSUM BOARD CEILINGS, HORIZONTAL SURFACES, AND BULKHEADS WITH PAINT CODE #9.21 (FLAT).
J. PAINT ALL GYPSUM BOARD VERTICAL SURFACES WITH PAINT CODE #9.23 (SEMI-GLOSS).
K. PAINT ALL MECHANICAL INSULATION ITEMS AND MECHANICAL EXPOSED STRUCTURAL AREAS WITH PAINT CODE #10.11.
L. PAINT ALL CONCRETE IN SHOWERS AND WET AREAS WITH PAINT CODE #3.112.
M. PAINT ALL HIGH PERFORMACNE CONCRETE SURFACES WITH PAINT CODE #3.113 (EPOXY).
N. PAINT ALL CONCRETE SURFACES IN THE POOL ENVIRONMENT WITH PAINT CODE #3.115.
O. PAINT ALL CMU IN WET AREAS AND SHOWERS WITH PAINT CODE #4.222(EPOXY).
P. PAINT ALL HIGH-PERFORMANCE CMU WALLS WITH PAINT CODE #4.223 (EPOXY), UNLESS NOTED OTHERWISE.
Q. PAINT ALL CMU WALLS IN THE POOL ENVIRONMENT WITH PAINT CODE #4.227.
R. PAINT ALL EXPOSED STEEL VERTICAL SURFACES WITH PAINT CODE #5.222.
S. PAINT ALL EXPOSED HIGH-PERFORMANCE SURFACES, COLUMNS, AND STAIR STRINGERS WITH PAINT CODE #5.223.
T. PAINT ALL EXPOSED STEEL STRUCTURE IN THE POOL ENVIRONMENT WITH PAINT CODE #5.224.
U. PAINT ALL EXPOSED MISCELLANEOUS EXPOSED STEEL IN POOL ENVIRONMENT WITH PAINT CODE #5.225.
V. PAINT ALL EXPOSED STRUCTURE IN POOL ENVIRONMENT THAT IS TO BE PAINTES RED ACCENT PES-1 WITH PAINT CODE #5.226.
W. PAINT ALLHIGH PERFORMANCE GALVANIZED STEEL WITH PAINT CODE #5.322.
X. PAINT ALL GALVANIZED STEEL IN POOL EQUIPMENT ROOM, INCLUDING RAILINGS AND SHIP LADDER WITH PAITN CODE #5.323.
Y. PAINT ALL GALVANIZEDEXPOSED STEEL STRUCTURE IN POOL ENVIRONMENT WITH PAIT CODE #5.324.
Z. PAINT ALL GYPSUM WALL BOARD WITH PAINT CODE #9.211 (EPOXY).
AA. PAINT ALL EXPOSED ALUMINUM, INCLUDING EXPOXED DUCTWORK ETC. IN POOL ENVIRONMENT WITH PAINT CODE #5.421.

PAINT COLOR GENERAL NOTES

A. PAINT ALL INTERIOR WALLS P-1 UNLESS OTHERWISE INDICATED ON FINISH PLANS OR INTERIOR ELEVATIONS.
B. PAINT ALL SIDES (HORIZ. AND VERT.) OF SOFFIT INDICATED COLOR, UNLESS OTHERWISE NOTED.
C. PAINT ALL INTERIOR HOLLOW METAL DOORS AND DOOR FRAMES TO BE PAINTED P-2, UNLESS OTHERWISE NOTED.
D. ALL EXPOSED INTERIOR STEEL COLUMNS SHALL BE PAINTED TO MATCH ADJACENT WALL COLOR, UNLESS OTHERWISE NOTED ON INTERIOR FINISH PLANS.
E. PAINT ALL EXPOSED CEILINGS PES-2, UNLESS OTHERWISE NOTED ON FINISH PLANS.
F. GYPSUM BOARD CEILINGS P-7, UNLESS OTHERWISE NOTED ON FINISH PLANS.
G. ALL EXPOSED STEEL ON STAIRS, RAILS, AND STRINGERS IN THE POOL EVIRONMENT TO BE PAINT P-3. ALL EXPOSED STEEL ON STAIRS, RAILS, AND STRINGERS IN ALL OTHER AREAS ARE TO BE FACTORY PAINTED TO MATCH P-12, UNLESS NOTED OTHERWISE.

LIST OF FINISHES

REFER TO A8 ARCH. DWG. SHEETS

FLOOR MATERIALS

REFER TO A8 ARCH. DWG. SHEETS

CERAMIC MOSAIC TILE

MATERIAL ABBREVIATION	MATERIAL/MANUFACTURER	COLOR SELECTION / SIZE
CMT-1(COMPETITION AND THERAPY POOL DECK BLEND) (3)	DALTILE "KEYSTONES"	**70% ARCTIC WHITE D617**/ 2"X2" **10% SUEDE GRAY SPECKLED D208**/ 2"X2" **10% SUEDE GRAY D182**/ 2"X2" **5% RED D017**/ 2"X2" **5% BROWNBERRY D118**/ 2"X2"
	AMERICAN OLEAN "UNGLAZED COLORBODY"	TO MATCH DALTILE
CMT-2(NUMBERS/LETTERS - RED)	DALTILE "KEYSTONES" AMERICAN OLEAN "UNGLAZED COLORBODY"	**RED D017**/ 2"X2" TO MATCH DALTILE
CMT-3(POOL FIELD/BORDER/ACCENT)	DALTILE "KEYSTONES" AMERICAN OLEAN "UNGLAZED COLORBODY"	**ARCTIC WHITE D617**/ 2"X2" TO MATCH DALTILE
CMT-4(POOL BORDER ACCENT)	DALTILE "KEYSTONES" AMERICAN OLEAN "UNGLAZED COLORBODY"	**CASTLEROCK D618**/ 2"X2" TO MATCH DALTILE
CMT-5(STEP EDGES)	DALTILE "KEYSTONES" AMERICAN OLEAN "UNGLAZED COLORBODY"	**SUEDE GREY D182**/ 2"X2" TO MATCH DALTILE
CMT-6(POOL LANES LINES /END WALL TARGETS)	DALTILE "KEYSTONES" AMERICAN OLEAN "UNGLAZED COLORBODY"	**BLACK/EBONY D311**/ 2"X2" TO MATCH DALTILE
CMT-7(15M START LINE MARKINGS)	DALTILE "KEYSTONES" AMERICAN OLEAN "UNGLAZED COLORBODY"	**BROWNBERRY D118**/ 2"X2" TO MATCH DALTILE
CMT-8(15M TURN LINE MARKINGS)	DALTILE "KEYSTONES" AMERICAN OLEAN "UNGLAZED COLORBODY"	**NAUTICAL BLUE** D621/ 2"X2" TO MATCH DALTILE
CMT-9(POOL BORDER ACCENT)	DALTILE "KEYSTONES" AMERICAN OLEAN "UNGLAZED COLORBODY"	**DESSERT GREY SPECKLE D200**/ 2"X2" TO MATCH DALTILE
CMT-10(ACCENT)	DALTILE "KEYSTONES" AMERICAN OLEAN "UNGLAZED COLORBODY"	**MOONSHINE D117**/ 2"X2" TO MATCH DALTILE
CMT-11(CROSS COURSE LANES LINES)	DALTILE "KEYSTONES" AMERICAN OLEAN "UNGLAZED COLORBODY"	**DESSERT GRAY D014**/ 2"X2" TO MATCH DALTILE
CMT-12	DALTILE "KEYSTONES" AMERICAN OLEAN "UNGLAZED COLORBODY"	**BROWNBERRY D118**/ 1"x2" TO MATCH DALTILE

DECORATIVE RESINOUS FLOORING

MATERIAL ABBREVIATION	MATERIAL/MANUFACTURER	COLOR SELECTION
DRF-1	GENERAL POLYMERS CORP. DUR-A-FLEX INC. STONEHARD INC. KEY RESIN COMPANY	TO BE SELECTED

ENTRANCE CARPET TILE

MATERIAL ABBREVIATION	MATERIAL/MANUFACTURER	COLOR SELECTION
ECT-1	INTERFACE "SR799" TANDUS "ASSERTIVE ACTION"104918	104918 MIDNIGHT/ 50CM x 50CM

- INSTALLATION METHOD TO BE MONOLITHIC/UNIDIRECTIONAL, UNLESS OTHERWISE NOTED

EPOXY FLOORING

MATERIAL ABBREVIATION	MATERIAL/MANUFACTURER	COLOR SELECTION
EF-1	REFER TO SPECIFICATIONS	CLEAR

FLOOR SEALER

MATERIAL ABBREVIATION	MATERIAL/MANUFACTURER	COLOR SELECTION
FS-1	REFER TO SPECFICATIONS	CLEAR

MECHANICAL/MEZZANINE EPOXY FLOORING

MATERIAL ABBREVIATION	MATERIAL/MANUFACTURER	COLOR SELECTION
MEF-1	REFER TO SPECFICATIONS	CLEAR

RUBBER FLOOR TILE

MATERIAL ABBREVIATION	MATERIAL/MANUFACTURER	COLOR SELECTION
RFT-1(MEDIUM GRAY)	MONDO "HARMONI"	HG502 GREYHOUND (3)
RFT-2(LIGHT GRAY)	NOT USED	NOT USED
RFT-3(DARK GRAY)	MONDO "HARMONI" (3)	HG496 SHARK
RFT-4(LOGO - HAIR)	MONDO "UNI"	U110 SLATE
RFT-5(LOGO - FACE)	MONDO "MASSETTO"	S05 CEMENT
RFT-6(LOGO - WHITE)	MONDO "UNI"	U099 ICE

RESILIENT TREADS & RISERS/ RUBBER FLOOR TILE/RESILIENT STAIR ACCESSORIES

MATERIAL ABBREVIATION	MATERIAL/MANUFACTURER	COLOR SELECTION
RTR/RFT-1/RSA-1	MONDO "HARMONI"	(3) HG496 SHARK

- VISUALLY IMPAIRED CONTRASTING STRIP ON TREADS TO BE BLACK AND HAVE SMOOTH NON-GRIT FINISH.
- RUBBER TILE TO HAVE HAMMERED FINISH.

VINYL CUSHIONED TUFTED TILE

MATERIAL ABBREVIATION	MATERIAL/MANUFACTURER	COLOR SELECTION
VCTT-1	FORBO "FLOTEX FRAMEWEAVE"	142001 PAVE
VCTT-2	FORBO "FLOTEX FRAMEWEAVE"	142013 GRAPHENE
VCTT-3	FORBO "FLOTEX REFRACT"	137001 OBSIDIAN

BASE MATERIALS

REFER TO A8 ARCH. DWG. SHEETS

CERAMIC MOSAIC TILE BASE

MATERIAL ABBREVIATION	MATERIAL/MANUFACTURER	COLOR SELECTION
CMTB-1	DALTILE 'KEYSTONES - BUILD UP BASE" 6" x 12" SHEET	**70% ARCTIC WHITE D617**/ 2"X2" **10% SUEDE GRAY SPECKLED D208**/ 2"X2" **10% SUEDE GRAY D182**/ 2"X2" **5% RED D017**/ 2"X2" **5% BROWNBERRY D118**/ 2"X2"
	AMERICAN OLEAN "UNGLAZED COLORBODY"	TO MATCH DALTILE

DECORATIVE RESINOUS BASE

MATERIAL ABBREVIATION	MATERIAL/MANUFACTURER	COLOR SELECTION
DRB-1	SHERWIN WILLIAMS/RESUFLOR DUR-A-FLEX INC. STONEHARD INC. KEY RESIN COMPANY	TO BE SELECTED/1/8" DECO FLAKE

RESILIENT BASE

COVE/STRAIGHT BASE

MATERIAL ABBREVIATION	MATERIAL/MANUFACTURER	COLOR SELECTION
RB-1	ROPPE 4"H VINYL COVE JOHNSONITE 4"H VINYL COVE	(3) 40 BLACK
RB-2	ROPPE 4"H VINYL STRAIGHT JOHNSONITE 4"H VINYL STRAIGHT	40 BLACK (3)

WALL MATERIALS

REFER TO A8 ARCH. DWG. SHEETS

CERAMIC WALL TILE

MATERIAL ABBREVIATION	MATERIAL/MANUFACTURER	COLOR SELECTION
CWT-1	DALTILE "MESMERIST"	SPIRIT MM30 / 3" x 12"
CWT-2	DALTILE "COLOR WHEEL LINEAR" w/ S1/212J / 1/2 x 12 JOLLY TRIM	ARCTIC WHITE 190 / 4" x 12"

PAINT

MATERIAL ABBREVIATION	MATERIAL/MANUFACTURER	COLOR SELECTION
P-1 (FIELD)	SHERWIN WILLIAMS	TO BE SELECTED (3)
P-2 (WINDOW/DOOR FRAMES)	SHERWIN WILLIAMS	TO BE SELECTED
P-3 (RED ACCENT)	SHERWIN WILLIAMS	TO MATCH PANTONE PMS200C RED
P-4 (SWIM ACCENT)	SHERWIN WILLIAMS	TO MATCH PMS7630 CAROLINA BLUE
P-5 (TRACK ACCENT)	SHERWIN WILLIAMS	TO BE SELECTED
P-6 (FOOTBALL ACCENT)	SHERWIN WILLIAMS	TO BE SELECTED
P-7 (CEILING)	SHERWIN WILLIAMS	SW7005 PURE WHITE
P-8 (LIGHT GRAY)	SHERWIN WILLIAMS	TO BE SELECTED
P-9 (MEDIUM GRAY)	SHERWIN WILLIAMS	TO BE SELECTED
P-10 (LOCKER RR ACCENT)	SHERWIN WILLIAMS	TO BE SELECTED
P-11 (OFFICES)	SHERWIN WILLIAMS	TO BE SELECTED
P-12 (HANDRAILS)	SHERWIN WILLIAMS	TO BE SELECTED
P-13 (SIGNAGE)	SHERWIN WILLIAMS	TO MATCH PANTONE PMS200C RED
P-14 (NOSING)	SHERWIN WILLIAMS	TO BE SELECTED

PORCELAIN TILE

MATERIAL ABBREVIATION	MATERIAL/MANUFACTURER	COLOR SELECTION/SIZE
PWT-1	DALTILE "VOLUME 1.0"	ELECTRIC MOSS VL79/12" x 24"

SOUND ABSORBING WALL UNIT

MATERIAL ABBREVIATION	MATERIAL/MANUFACTURER	COLOR SELECTION
SAW-1(LIGHT GRAY)	GORDON "FLAT BAFFLE"	TO MATCH TBD
SAW-2(MEDIUM GRAY)	GORDON "FLAT BAFFLE"	TO MATCH TBD
SAW-3(RED)	GORDON "FLAT BAFFLE"	TO MATCH P-3

MISCELLANEOUS FINISHES

REFER TO A8 ARCH. DWG. SHEETS

INTERIOR DOORS/INTERIOR TRIM

- FRP DOOR FINISH TO BE SELECTED FROM MANUFACTURER'S STANDARD COLORS.
- WOOD SPECIES TO BE PLAIN SLICED RED OAK.
- PROVIDE WOOD STAIN SAMPLES FOR VERIFICATION.

INTERIOR RAILING

- METAL RAILING AT LOBBY STAIR TO BE FACTORY PAINTED TO MATCH P-12.
- TOP & BOTTOM RAIL OF GLASS RAILINGS INSIDE NATATORIUM TO BE FACTORY PAINTED TO MATCH P-3.
- WALL MOUNTED ALUMINUM HANDRAILS INSIDE NATATORIUM TO BE FACTORY PAINTED TO MATCH P-12. (3)

GROUT

MATERIAL ABBREVIATION	MATERIAL/MANUFACTURER	COLOR SELECTION
GT-1(CMT/CMTB)	TEC LATICRETE MAPEI	BRIGHT WHITE #910 (3) MATCH TEC MATCH TEC
GT-2(WALLS)	TEC LATICRETE MAPEI	TO BE SELECTED MATCH TEC MATCH TEC
GT-3 (CMT - POOL)	TEC LATICRETE MAPEI	BRIGHT WHITE #910 MATCH TEC MATCH TEC

RUBBER MOLDING ACCESSORIES

MATERIAL ABBREVIATION	MATERIAL/MANUFACTURER	COLOR SELECTION
RMA-1	GRANDUS "PVC DUAL TRIM"	TO BE SELECTED
RMA-2 (3)	GRANDUS "PVC-U STAIR EDGING"	TO BE SELECTED

CEILING MATERIALS

REFER TO A8 ARCH. DWG. SHEETS

ACOUSTICAL CEILING TILE

MATERIAL ABBREVIATION	MATERIAL/MANUFACTURER / EDGE / SIZE	COLOR SELECTION
ACT-1(LOBBY)	ARMSTRONG "ULTIMA HIGH NRC #1940" USG	WHITE/ SQUARE EDGE /24"X24" WHITE/ SQUARE EDGE /24"X24"
ACT-2(RESTROOMS, LOCKER ROOMS)	ARMSTRONG "TUNDRA #301" USG	WHITE / SQUARE EDGE / 24"X24" WHITE / SQUARE EDGE / 24"X24"
ACT-3(OFFICES, TEAM ROOM)	ARMSTRONG "OPTIMA #3354" USG	WHITE / SQUARE EDGE / 24"X24" WHITE / SQUARE EDGE / 24"X24"
ACT-4 (CONCESSIONS)	ARMSTRONG "KITCHEN ZONE #673" USG	WHITE / SQUARE EDGE / 24"X24" WHITE / SQUARE EDGE / 24"X24"
ACT-5(POOL)	ARMSTRONG "CERMAGAURD FINE FISSURED #607" INCLUDE 4"H AXIOM PERIMETER TRIM AND 6"H AXIOM TRANSITION USG INCLUDE 4"H MANUFACTURER'S PERIMETER TRIM AND TRANSITION	WHITE / SQUARE EDGE / 24"X24" WHITE / SQUARE EDGE / 24"X24"
ACT-6(CORRIDOR, STORAGE, STAIR)	ARMSTRONG / FINE FISSURED #1728 USG	WHITE / SQUARE EDGE / 24"X24" WHITE / SQUARE EDGE / 24"X24"
ACT-7	ARMSTRONG "CERMAGAURD FINE FISSURED #607" INCLUDE 4"H AXIOM PERIMETER TRIM INCLUDE 4"H MANUFACTURER'S PERIMETER TRIM	WHITE / SQUARE EDGE / 24"X24" WHITE / SQUARE EDGE / 24"X24"

INTERIOR FINISH SYSTEM

MATERIAL ABBREVIATION	MATERIAL/MANUFACTURER	COLOR SELECTION
IFS	REFER TO SPECIFICATIONS	

LINEAR METAL CEILING

MATERIAL ABBREVIATION	MATERIAL/MANUFACTURER	COLOR SELECTION
LMC-1	ARMSTRONG / METALWORKS LINEAR INCLUDE 4"H AXIOM PERIMETER TRIM MICRO-PERFORATED / 8"X96" PLANK	EFFECTS SESAME

PAINT EXPOSED STRUCTURE

MATERIAL ABBREVIATION	MATERIAL/MANUFACTURER	COLOR SELECTION
PES-1(TRUSSES)	REFER TO SPECIFICATIONS	TO MATCH P-3
PES-2(WHITE)	REFER TO SPECIFICATIONS	TO MATCH P-7 (3)

JEFFERSONVILLE HIGH SCHOOL NATATORIUM

2315 ALLISON LN.
JEFFERSONVILLE, IN 47130

GREATER CLARK COUNTY SCHOOLS

GCCS

ARCHITECT

FANNING HOWEY

317-848-0966 WWW.FHAI.COM

ISSUED FOR CONSTRUCTION

PAUL A. MILLER
REGISTERED
No. AR10800161
STATE OF INDIANA
ARCHITECT

PROJECT MANAGER: JM
DRAWN BY: KMS
PROJECT NUMBER: 222038.00
PROJECT ISSUE DATE: 11/20/2023

REV. NO.	DESCRIPTION	DATE
3	ADDENDUM #3	1.17.2024

LIST OF FINISHES

A8S.01

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82	1	FIBERGLASS FLOOR SUMP WITH GRATE COVER AND (2) 1HP SUMP PUMPS AND CONTROLS
63	1	TALL LIFEGUARD CHAIR WITH SIDE STEP WITH A PLATFORM HEIGHT OF 47" AND A SEAT HEIGHT OF 64" INCLUDES UMBRELLA GUIDE AND CUP HOLDER. RECREONICS.MODEL NO. 42-626.
64	QTY	FURNISH SPECTATOR STANCHIONS WITH INTERMEDIATE CHAIN. MR CHAIN HEAVY-DUTY MODEL STANCHIONS SHALL BE SUBSTANTIAL ROUND POSTS WITH A 32" OVERALL HEIGHT AND 2" IN DIAMETER.
65	AS REQ'D.	SUMPS GRATING
66	1	18" LONG POOL BRUSH REC#10-135 WITH NYLON BRISTLES AND RIGID BACK AND HOLDER SHALL BE PERMANENTLY ATTACHED. HOLDER BRACKET SHALL BE OF CAST AL AND SHALL BE DESIGNED FOR EASY ATTACHEMENT TO STANDARD 1 ¼" AL HANDLE.
67	1	LEAF SKIMMERS 20" X 6" X 12" DEPTH. REC# 10-118
68	1	WHITE RING BUOY 24' DIAMETER WITH 90' OF3/ "THROW ROPE ATTACHED REC#12-252
69	4	RESCUE TUBES MADE OF CLOSED CELL ENSOLITE WITH HEAVY DUTY ORANGE VINYL SKIN, QUICK RELEASE BUCKEL AND 6' TOW LINE REC# 12-291
70	1	12' FIBERGLASS SAFETY POLE WITH BLUNT ENDS AND SHEPARD HOOK REC# 10-371 AND 12-239 .
71	1	FIRST AID KIT ARC APPROVED REC#12-048, BLOOD SPILLS KIT REC#12-041, WHISTLE REC#12-357
72	2	RESUSCITATION MASKS
73	1	BLOOD BORNE PATHOGENS KIT WITH GOWN, FACE MASK, SHIELDS, BODY FLUID CLEAN UP REC#12-041
74	2	POOL SPLASH LIFT BATTERY POWERED WITH SPARE BATTERY AND CHARGER WITH FOOTREST,ARM REST, SPINE BOARD ATTACHMEN AND SEAT BELT. LIFE ANCHORS FOR OWNER'S LIFT.
75	2	PORTABLE PACE CLOCKS.
76	2	CJ SPINEBOARD 76" X 20" WITH NYLON STRAPS, HEAD IMMOBILIZER, BODY STRAPS, HEAD STRAPS, ADHESIVE STRIPS AND STAPLES REC#12-325
77	2	PROMINENT MEDIUM PRESSURE UV UNIT
78	1	HAWS EYEWASH SHOWER MODEL 8336 EPOXY COATED, CORROSION RESISTANT
79	2	BY PASS PIPING FOR STAINLESS STEEL DOUBLE WALL HEAT EXCHANGERS BY MECHANICAL
80	2	DURAFIRM ONE METER DIVE STANDS WITH 16'-0" MAXIFLEX B BOARDS AND DIVE SPRAYS
81	1	DURAFIRM THREE METER DIVE STAND WITH 16' MAXIFLEX B BOARD AND DIVE SPRAYS
82	1	CUSTOM FRP DESK IN FILTER ROOM WITH SHELF AND CUSTOM STORAGE SHELVING
83	2	CO2 SYSTEM
84	QTY	CUSTOM PUMP PIT STAIRS. CUSTOM DOUBLE RAIL AROUND PUMP PIT WITH CHAIN RAILS BY DIV. 05.
85	6	FLOOR DRAIN, SEE MECHANICAL DWGS, BY OTHER THAN AQUATIC CONTRACTOR
86	2	HOSE BIB, SEE MECHANICAL DWGS, BY OTHER THAN AQUATIC CONTRACTOR
87		
88		
89		

21	2	LOGIX: CUSTOM ELECTRIC PANELS WITH ALL CONTROLS – THESE ARE SEPARATE FROM AQUAREVIVAL FILTER CONTROL PANELS WITH (2) IN THE FILTER ROOM
22	10	FLUIDTROL FRP/PVC CONCENTRIC AND ECCENTRIC REDUCERS
23	3	CHAMPION DOUBLE DOOR EPOXY COATED DUCTILE IRON CHECK VALVES WITH ST. ST. SPRINGS, PLAIN FACE, EPDM SEAT, SERIES 125
24	2	FLUIDTROL OR NEPTUNE PVC DIVERSION VALVES, SCH. 80 PVC WITH VANSTONE FLANGES, INTERNAL WAFER T304L, 1" DIA. FLOAT ARM, FASTENED TO SHAFT WITH T 316SS NUTS AND WASHER, (2) 1/2" DIA. ARMS ALL THREADED ROD T316 SS, (2) T304L ST. ST. FLOATS 7"
25	3	FLUIDTROL SW SERIES STRAINERS WITH 1/8" OPENNINGS, ST. ST. BASKETS AND SPARE BASKETS FOR EACH.
26	QTY	GEORGE FISHER TYPE 563 VALVES. VALVES IN BALANCE TANK TO HAVE ST ST VALVE EXTENSIONS, ST ST SLEEVES, VALVES OVER 5' TO HAVE CHAIN OPERATORS, VALVES OVER 3' TO HAVE GEAR OPERATORS. VALVES SMALLER THAN 3" SHALL BE BALL VALVES.
27	QTY	PVC TRUE UNION BALL VALVES SMALLER THAN 3"
28	3	ALUMINIUM DOORS TO BE BILCO (2) 3' X 3' AND (1) 5' X 5' OUTDOOR MANHOLE
29	QTY	NSD MINI-CHANNEL DECK DRAIN WITH 100% SILICONE SEALANT AT THE EDGES OF TRENCH DRAIN
SUPPORT SYSTEMS DESCRIPTIONS		
30	1	5' DIAMETER X 20' DEEP MANHOLE WITH 6" TO STORM SEWER BY CIVIL AND 6" LEAD UNDER POOL
31	2	MARLOW 1.5 HP, 60-75 GPM DECK DRAIN/ OVERFLOW AND DEWATERING SUMP PUMPS 460V/3 PHASE WITH FLOATS AND NEMA 4X CONTROL PANEL
32	2	FLOW METERS SIGNET 2551 MAGMETER WITH 8550 FLOW INSTRUMENT WIRED INTO CONTROLLERS FOR FILTER VFD CONTROL.
33	2	AUTOMATIC WATER LEVEL CONTROLLER CLA VAL NO 124-01 1" WITH ST ST BODY, ST ST FLOATS AND ST ST RODS, STILLING CHAMBER, X46 STRAINER, CK2 COCK, SPEED CONTROL, Y STRAINER, AND 3" FRESH WATER MANUAL FILL AND TRAINING POOL FROM COMPETITION POOL.
34	2	DIRECT SENSING AUTO FILL LIQUID LEVEL 6200 SERIES WITH STATIC LINES
35	2	3" FRESH WATER FILL AND 1 1/2" FILLS AND 1" WATTS #900 FOR WARM POOL FILL
36	5	DALDORADO 18" X 36" X 24" UNBLOCKABLE DRAIN BOXES WITH HYDROSTATIC RELIEF VALVES IN EACH BOX.
37	2	CONNECTIONS WITH 4" PVC TJERLUND FANS 115V
38	2	PROMINENT CHEMICAL CONTROLLERS DCM 512 WITH FLOW SWITCH, VFD CONTROL, REAL TIME CORROSION AND CALCIFICATION AND ALARM.
39	2	ACCUTAB MODEL 3150AT FOR COMPETITION POOL AND MODEL 3070AT FOR THERAPY POOL
40	2	ACID RITE 2500 FEEDER FOR COMPETITION POOLS AND ACID RITE 450 FOR THERAPY POOL
41	4	ULTRA SPILL PALETS PART NO. 1113, 53 X 53 X 11 1/4" VERIFY ON SITE
42	QTY	PROTECTIVE GOGGLES, PVC GLOVES AND MASK.
43	QTY	SIGNS FOR ACID, CHLORINE, ENZYME AND INSTRUCTIONS
44	6	THERMOMETERS TRERICE ST ST ADJUSTABLE WITH WELLS
45	1	TEST KIT TAYLOR SERIES K-1741C ADDITIONAL SET FOR TESTING TO 50 PPM
46	1	PORTABLE VACUUM PUMP SYSTEM AND (2) DOLPHIN AUTOMATIC CLEANERS
47	16	FIBERGLASS HOOKS
48	QTY	STAINLESS STEEL HANDRAILS AND CUSTOM RAILS FOR RAMP WITH HANDICAP RETURNS – POWDER COATED
49	6	SETS OF GRAB RAILS 316 L STAINLESS STEEL 1.5O.D., ,145 WALL WITH ST ST ESCUTEONS AND ANCHORS – POWDER COATED
50	8	PENTAIR 8' U BEND 2 POST STANCHION POSTS 1.90 X 14S T316L ST. ST. POWDER COATED PART NO S1229683 WITH 6" DEEP ST. ST. ANCHORS AND DROP IN COVERS.
51	QTY	POWDER COATED 316L ST.ST. GRAB RAILS AND CUSTOM HANDRAILS WITH CUSTOM RAMP RAILS. ANCHORS SHALL BE BRONZE WITH ST. ST. ESCUTCHEONS.
52	QTY	DURA TEECH HDPE PARALEL POLY GRATING
53	20	STARTING PLATFORMS SR SMITH 24" X 32" LONG REACH - 50M COMPETITION POOL & LONG REACH WITH WEDGE, SIDE STEP, ST. ST. ANCHORS, BACKSTROKE, GRAB RAILS, FOOT, CHOCKS AND 40 SETS OF STARTING BLOCK ANCHORS
54		
55	QTY	WAVE QUELLING RACING LANE FOR 50M, 25M, 25Y MARKER LINES INCLUDING COMPETITOR WITH HARDWARE WITH ANCHORS
56	16	BACKSTROKE MARKER WITH STAINLESS STEEL ANCHORS, FLAGS WITH TEAM NAME.
57	QTY	PLASTIC COATED STAINLESS STEEL CABLE ACROSS. BACKSTROKE PENNANT LINE 12" X 18" WITH ALTERNATING COLORS AND INDIVIDUAL NUMBERS AND LETTERS FOR TEAM NAME. REC #92-306 AND 92-307. INSTALL WITH ANTI SUPERTENSIONERS.
58	2	4' AND 6' FIBERGLASS MOVABLE BULKHEADS WITH STAINLESS STEEL PIN RAILS AND PLATFORM ANCHORS
59	3	3' X 3' NYSTROM FGA SERIES LOCKABLE DOORS WITH ST. ST. HARDWARE FOR BALANCE TANKS AND 18" X 18" TO COVER DEWATERING MANHOLE (5'X5') (DEWATERING COVER BY OTHER THAN DIV 13.)
60	20	PS2-PFS COPOLYMER RUNGS FOR BALANCE TANKS SET 12" CC
61	2	PUMP PIT RAILS BY DIV. 05.

JEFFERSONVILLE HIGH SCHOOL POOL EQUIPMENT SCHEDULE

THIS IS A GENERALIZED LIST OF EQUIPMENT. SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION

WARNING SIGNS
ISOMETRIC AND DETAILED INSTRUCTIONS
INSTRUCTIONS FOR OPERATING DRAINING POOLS
PUMP CURVES
VALVE AND EQUIPMENT TAGS
STARTUP AND FILL INSTRUCTIONS
ALL PIPING TO BE RIGID PVC SCHEDULE 80 NSF APPROVED FOR PORTABLE RIGID WITH MOLDED FITTINGS.
HOUSEKEEPING PADS FOR FILTERS, PUMPS AND HEATERS.
DIRECTIONAL ARROWS ON ALL PIPING
COVER ALL SUMPS WITH FRP GRATING
WATERPROOF ALL SURGE TANKS
ANY CONDUIT RUNS PENETRATING RETURN AIR TO BE CPVC
THIN SET POOL DECK AND THICK SET POOL BASIN

EQUIPMENT SCHEDULE

ITEM	QUANTITY	EQUIPMENT DESCRIPTION
CIRCULATION & DISTRIBUTION EQUIPMENT		
1	85	INLETS 2" ABS FLOOR INLETS STARITE MODEL NO. #08417 WHITE IN COLOR
2	1	SIDE WALL INLETS HAYWARD MODEL NO. SP-1022 1 1/2" WITH SP-1419 DIRECTIONAL INLET FITTINGS
3	QTY	GUTTER DROP-OUT CONVERTORS STAINLESS STEEL 316L WITH FLANGED CONNECTIONS (6) 8" AT COMPETITION POOL, (2) 6" AT THERAPY POOL.
4		
5	10	THERAPY JET INLETS;
6	QTY	HOT DIPPED GALVANIZED HANGARS AND HARDWARE IN DRY AREAS AND 316L SS IN WETTER AREAS
FILTRATION EQUIPMENT		
7	1	COMPETITION POOL FILTER: AQUA REVIVAL COMPLETE FILTER SYSTEMS: MODEL BSG 50T
8	1	THERAPY POOL FILTER: AQUA REVIVAL COMPLETE FILTER SYSTEMS: MODEL BSG 20
9		
10		
11		
FILTER PUMPS, MOTORS AND ELECTRICAL		
12	2	COMPETITION POOL FILTER PUMP AND MOTOR TO BE AURORA 3801, 50HP, 2,308 GPM @ 75' HD, 3 PHASE, 480 VOLTAGE, 60 CYCLE, 1800 RPM, BALL BEARING, BRONZE FITTED, 316 STAINLESS IMPELLER, 316 SS SHAFT SLEEVE, 316 SS SHAFT, INTERNAL SHAFT GROUNDING, DOUBLE VOLUTE FOR 4" DISCHARGE, GAUGE TAPS, 304 SS MOTOR RISER, NSF 50, SCOTCHCOATED 134, WITH PREMIUM EFFICIENCY MOTOR 90 PLUS, TEFC ENCLOSURE, EPDM, LOW STARTING CURRENT, INVENTOR RATED, WITH PUSH BUTTON STATION AND CONTROLS
13	1	COMPETITION POOL DRAIN PUMP WITH STRAINER, BASKET AND SPARE BASKET EQK 500 WITH TEFC JMZ FRAME 5HP, SELF PRIMING 200 GPM @63'HD 3500 RPM SELF PRIMMING, 3PHASE, 480 VOLTAGE, 60 CYCLE, WITH BALL BEARING, ALL BRONZE, TEFC ENCLOSURE, EPDM, LOW STARTING CURRENT, INVENTOR RATED, WITH PUSH BUTTON STATION AND CONTROLS
14	2	THERAPY POOL FILTER PUMP AND MOTOR TO BE AURORA 3801, 7.5HP, 262 GPM @ 75' HD, 3 PHASE, 480 VOLTAGE, 60 CYCLE, 1800 RPM, BALL BEARING, BRONZE FITTED, 316 STAINLESS IMPELLER, 316 SS SHAFT SLEEVE, 316 SS SHAFT, INTERNAL SHAFT GROUNDING, DOUBLE VOLUTE FOR 4" DISCHARGE, GAUGE TAPS, 304 SS MOTOR RISER, NSF 50, SCOTCHCOATED 134, WITH PREMIUM EFFICIENCY MOTOR 90 PLUS, TEFC ENCLOSURE, EPDM, LOW STARTING CURRENT, INVENTOR RATED, WITH PUSH BUTTON STATION AND CONTROLS
15		
16	1	THERAPY POOL JET PUMP WITH STRAINER, BASKET AND SPARE BASKET EQK 500 WITH TEFC JMZ FRAME 5HP, SELF PRIMING 200 GPM @63'HD 3500 RPM SELF PRIMMING, 3PHASE, 480 VOLTAGE, 60 CYCLE, WITH BALL BEARING, ALL BRONZE, TEFC ENCLOSURE, EPDM, LOW STARTING CURRENT, INVENTOR RATED, WITH PUSH BUTTON STATION AND CONTROLS
17	1	THERAPY POOL JETS AIR BLOWER ROTON DR404AL72M, 2HP WITH SILENCER
18	10	LIQUID FILLED GAUGES AROUND ALL PUMPS 2 ½" STAINLESS STEEL TRERICE SERIES 700 -15 0 15 VACUUM GAUGES AND 0 TO 60 PRESSURE GAUGES WITH STAINLESS STEEL BOURBON TUBES 316 ALL GAUGES WITH ST.ST. SNUBBERS TUBE, NEEDLE VALVES AND SOCKET.
19	5	FLANGED FLEXIBLE ECCENTRIC DISCHARGE CONNECTIONS
20	2	24' X 24' ANTI VORTEX PLATE IN BALANCE TANK

AQUATIC DRAWINGS - INDEX

SWIMMING POOLS DATA SCHEDULE

ITEM	COMPETITION POOL	THERAPY POOL
WATER VOLUME	830,880 GALLONS	15,720 GALLONS
WATER SURFACE AREA	13,982 SF	777 SF
PERIMETER GUTTER	523LF (INSIDE GUTTER)	121 LF (INSIDE GUTTER)
TURNOVER: MIN.	6 HOURS (360 MIN.)	6 HOURS (360 MIN.)
TURNOVER: ACTUAL	6.0 HRS	1.00 HOUS (60 MIN.)
TURNOVER FLOW RATE	2,308 GPM	262 GPM
RETURN INLETS	(72) FLOOR INLETS: ADJ. 2" DIA.	(13) FLOOR INLETS: ADJ. 2" DIA. (1) WALL INLET @ STEP
MAIN DRAINS: 18x36"x24" VGB W/ BODIED SUMP DRAINS W/ FLAT COVER 54% OPEN AREA = 2600 GPM FL.	(2 M.D.) V = 0.54 FT/SEC	(2 M.D.) V = 0.54 FT/SEC
WATER SUPPLY	PUBLIC 3"	PUBLIC 1 1/2"
SURGE CAPACITY		
REQUIRED (EFFECTIVE)	13,982 GAL.	777 GAL.
SURGE TANK	13,075 GAL. TANK	1,430 GAL. TANK
GUTTER	2,540 GAL GUTTER	550 GAL GUTTER
TOTAL EFFECTIVE	15, 618 GAL	1,980 GAL
FILTER TYPE	REGENERATIVE MEDIA FILTER	REGENERATIVE MEDIA FILTER
FILTER AREA	BSG50T = 1,488 SF	BSG20 = 150 SF
FILTRATION RATE	2,308 GPM / 1,488 S.F. = 1.55GPM / SF	262 GPM/ 150 SF = 1.74 GPM / SF
FILTER PIPING		
- MAIN DRAIN	MAIN DRAIN: 10"	MAIN DRAIN: 10"
- GUTTER DRAIN	GUTTER DROP OUT: 12"	GUTTER DROP OUT: 6"
- RETURN	10" FILTER RETURN	4" FILTER RETURN
AUXILLARY PUMP	MAIN DRAIN: 10" GUTTER DROP OUT: 12"	NA
JET PUMP	NA	PUMP SUCTION: 6" JET RETURN: 6"
SANITIZER	CALCIUM HYPOCHLORITE	CALCIUM HYPOCHLORITE
PH MODIFICATION	SODIUM BISULFATE CO2	SODIUM BISULFATE CO2
SECONDARY SANITATION - CHLORAMINE DESTRUCT	ULTRA VIOLET SYSTEM	ULTRA VIOLET SYSTEM

1 SWIMMING POOLS LAYOUT PLAN
Scale: 1/8" = 1'-0"

JEFFERSONVILLE HIGH SCHOOL NATATORIUM

2315 ALLISON LN.
JEFFERSONVILLE, IN 47130

GREATER CLARK COUNTY SCHOOLS

GCCS

ARCHITECT

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350 EAST NEW YORK ST.

B

KEY PLAN

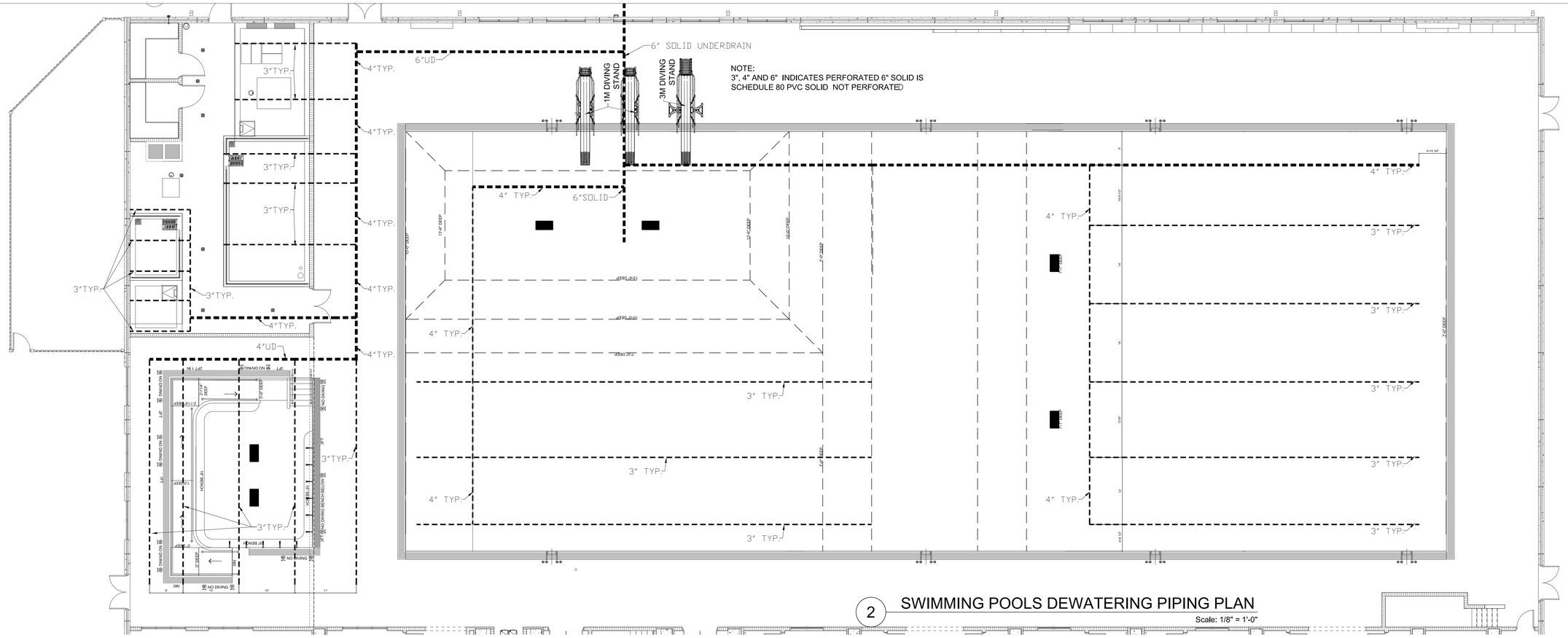
ISSUED FOR CONSTRUCTION

PROJECT MANAGER: JM
DRAWN BY: WJR
PROJECT NUMBER: 222038.00
PROJECT ISSUE DATE: NOVEMBER 20, 2023

REV. NO.	DESCRIPTION	DATE
1	ADDENDUM #3	01/17/2024

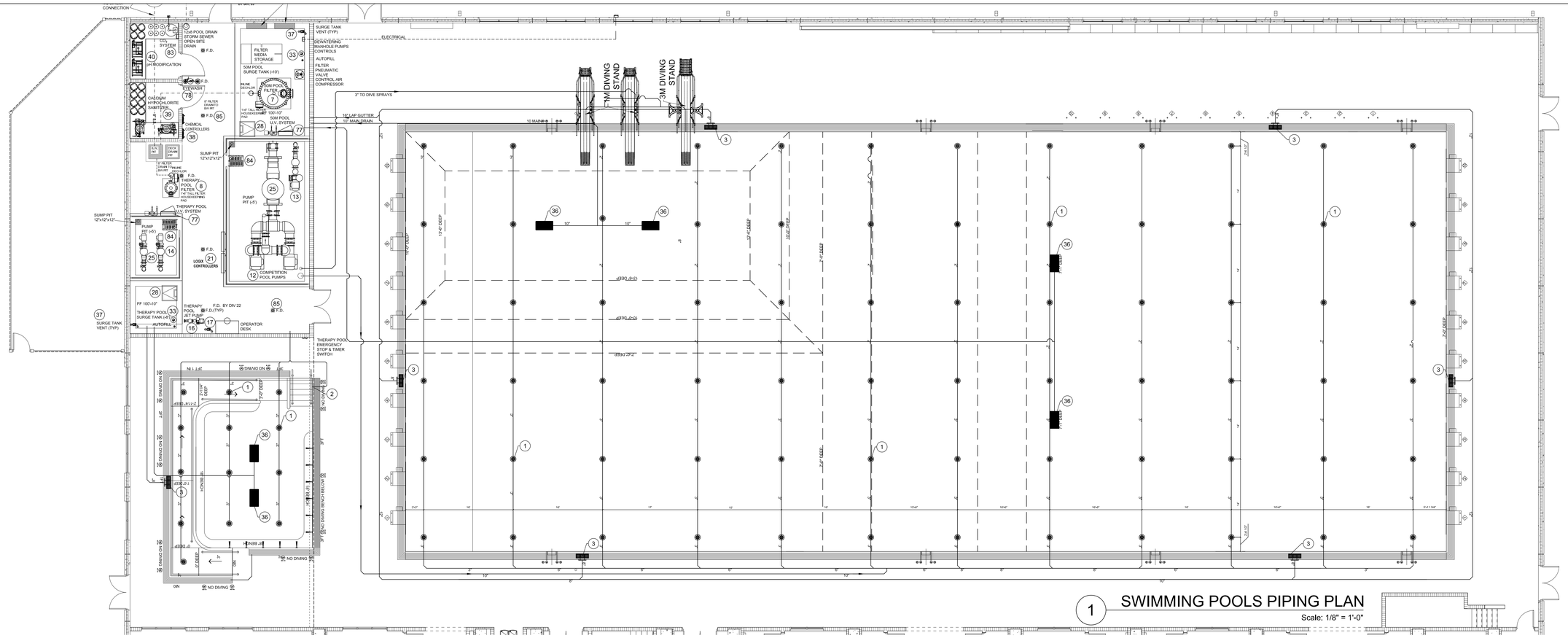
SWIMMING POOLS LAYOUT PLAN, POOL DATA & EQUIPMENT SCHEDULE

PL0.0



2 SWIMMING POOLS DEWATERING PIPING PLAN

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



1 SWIMMING POOLS PIPING PLAN

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

JEFFERSONVILLE HIGH SCHOOL NATATORIUM

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KEY PLAN

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SWIMMING POOLS COMPOSITE PIPING PLANS

PL1.0

JEFFERSONVILLE HIGH SCHOOL NATATORIUM

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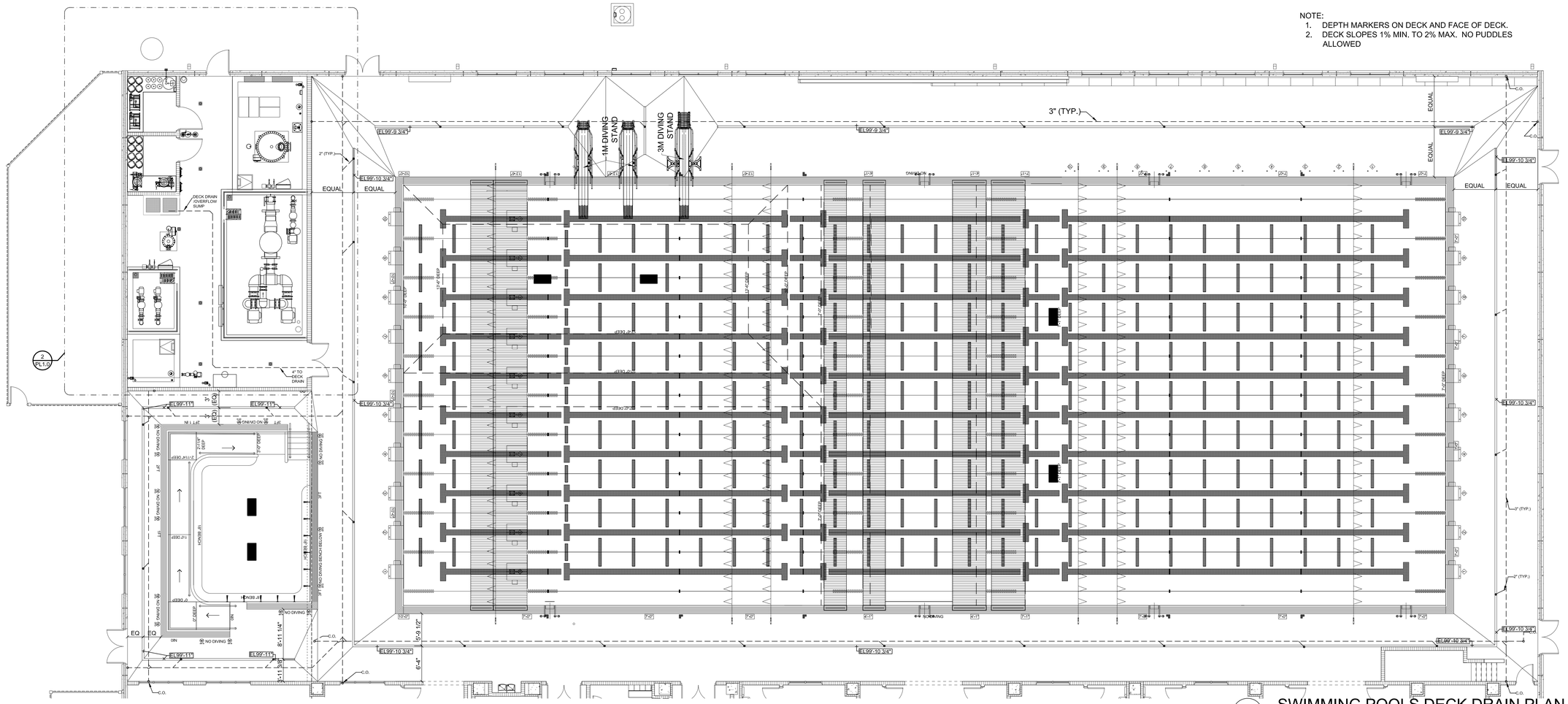
NOTE:
1. DEPTH MARKERS ON DECK AND FACE OF DECK.
2. DECK SLOPES 1% MIN. TO 2% MAX. NO PUDDLES ALLOWED



1 SWIMMING POOLS DECK DRAIN PLAN
Scale: 1/8" = 1'-0"

B

KEY PLAN

NORTH

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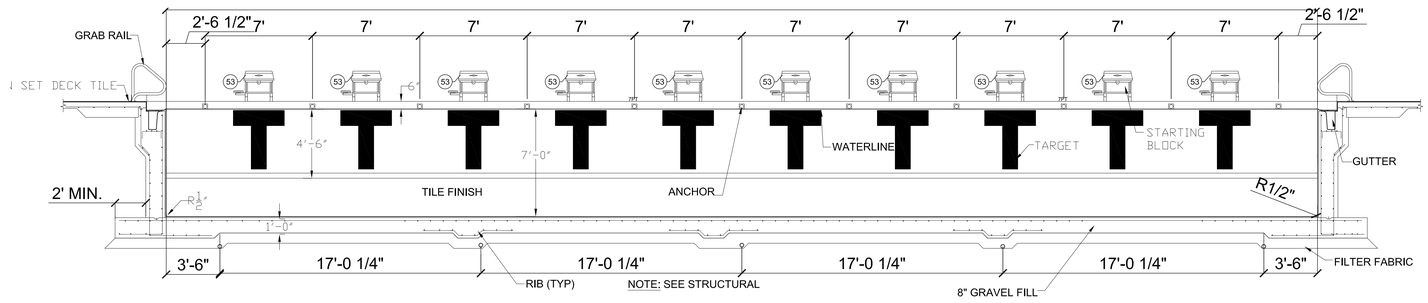
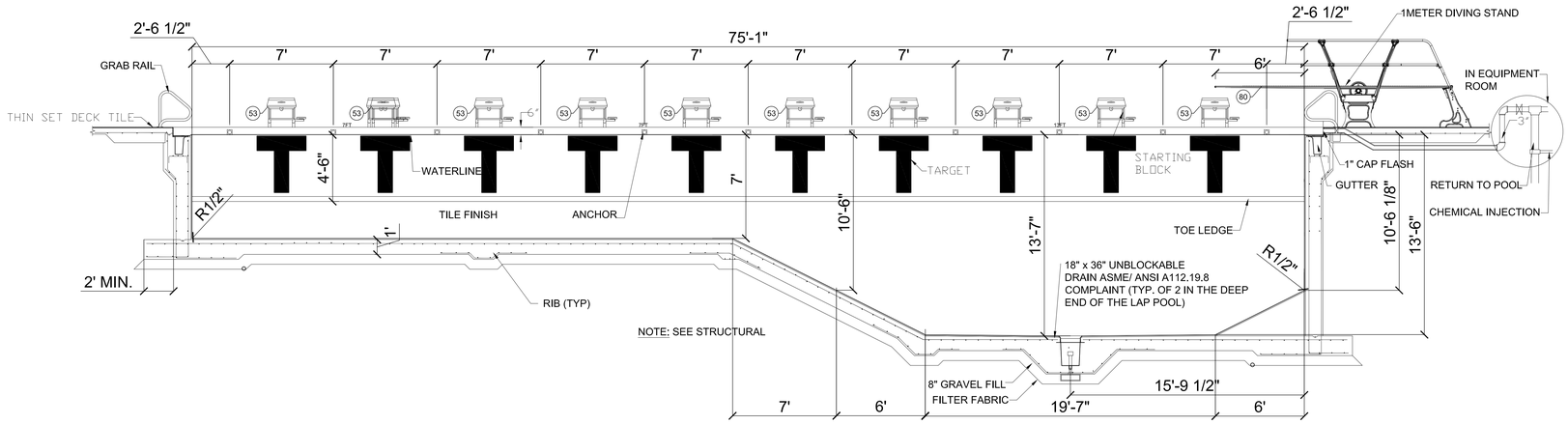
SWIMMING POOLS DECK DRAIN PLAN

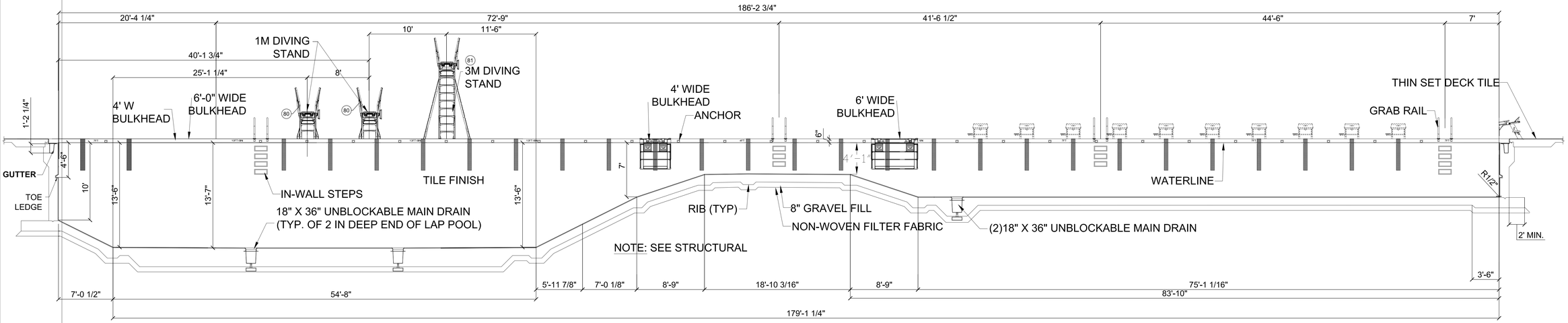
PL1.1



3 COMPETITION POOL - TRANSVERSE SECTION
Scale: 1/4" = 1'-0"



2 COMPETITION POOL - TRANSVERSE SECTION
Scale: 1/4" = 1'-0"



1 COMPETITION POOL - LONGITUDINAL SECTION
Scale: 3/16" = 1'-0"

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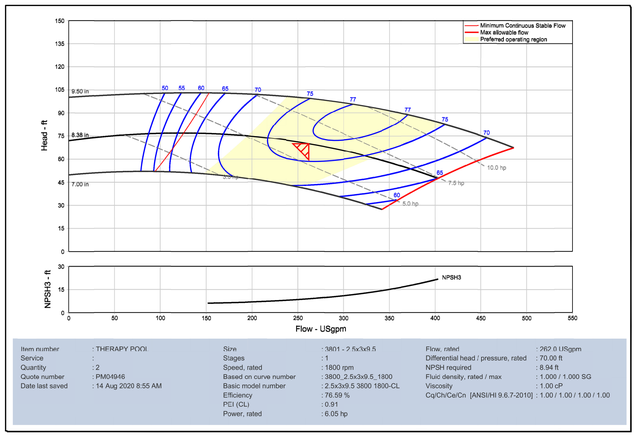
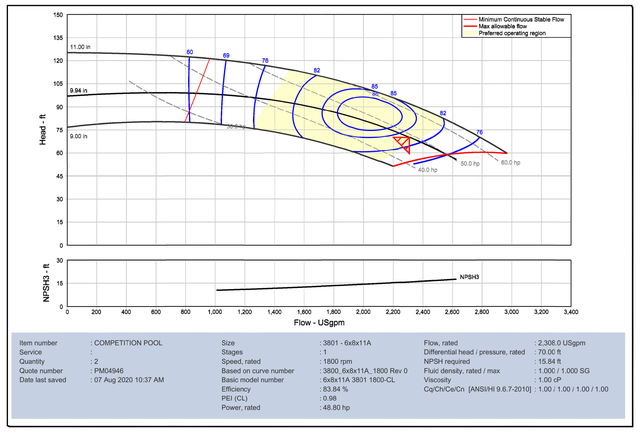
COMPETITION POOL SECTIONS

PL2.0



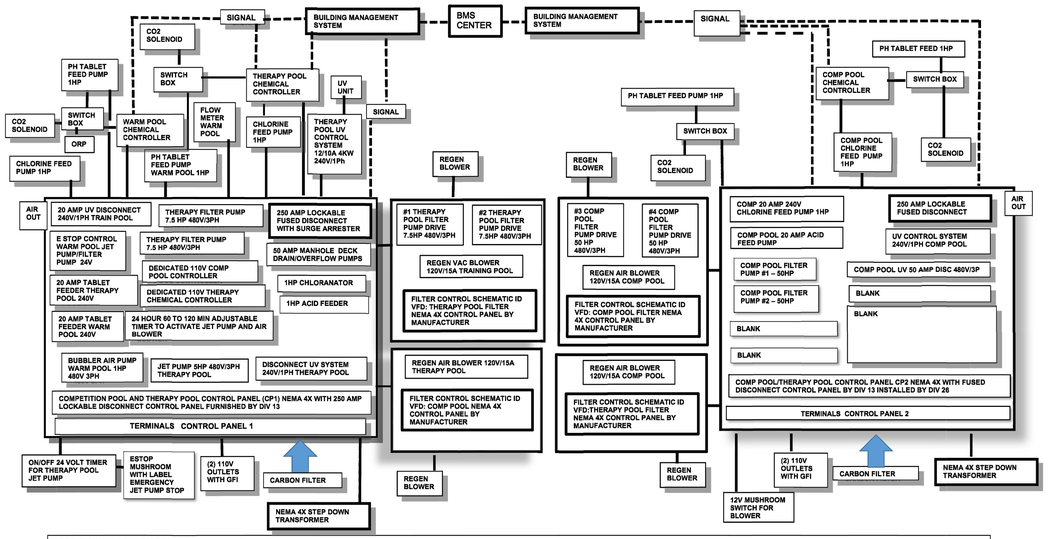
Item number	: THERAPY POOL	Size	: 3801 - 2 5x7x9.5	Flow, rated	: 262.0 USgpm
Service	:	Stages	: 1	Differential head / pressure, rated	: 70.00 ft
Quantity	: 2	Speed, rated	: 1800 rpm	NPSH required	: 8.94 ft
Quote number	: PM04946	Based on curve number	: 3800_2.5x3x9.5_1800	Fluid density, rated / max	: 1.000 / 1.000 SG
Date last saved	: 14 Aug 2020 8:55 AM	Basic model number	: 2.5x3x9.5 3800 1800-CL	Viscosity	: 1.00 cP
		Efficiency	: 76.59 %	Cq/Ch/Ce/Cn [ANSI/HI 9.6.7-2010]	: 1.00 / 1.00 / 1.00 / 1.00
		PCI (CL)	: 0.91		
		Power, rated	: 6.05 hp		

THERAPY POOL - PUMP CURVE



Item number	: COMPETITION POOL	Size	: 3801 - 6x8x11A	Flow, rated	: 2,308.0 USgpm
Service	:	Stages	: 1	Differential head / pressure, rated	: 70.00 ft
Quantity	: 2	Speed, rated	: 1800 rpm	NPSH required	: 15.84 ft
Quote number	: PM04946	Based on curve number	: 3800_6x8x11A_1800 Rev 0	Fluid density, rated / max	: 1.000 / 1.000 SG
Date last saved	: 07 Aug 2020 10:37 AM	Basic model number	: 6x8x11A 3801 1800-CL	Viscosity	: 1.00 cP
		Efficiency	: 83.84 %	Cq/Ch/Ce/Cn [ANSI/HI 9.6.7-2010]	: 1.00 / 1.00 / 1.00 / 1.00
		PEI (CL)	: 0.98		
		Power, rated	: 48.80 hp		

COMPETITION POOL - PUMP CURVE

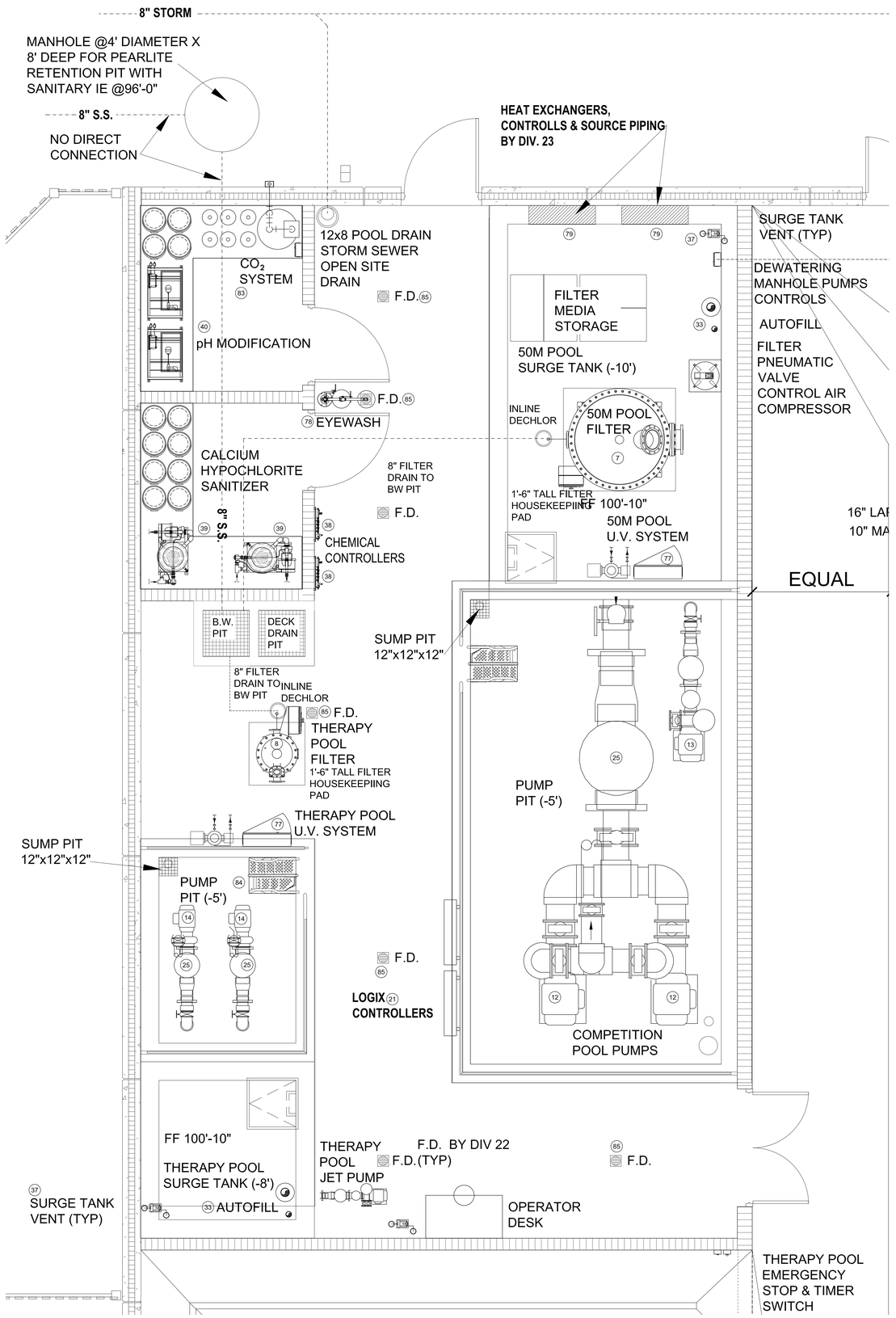


JEFFERSONVILLE HIGH SCHOOL:

1. Competition Pool Therapy Pool to have separate FRP 4X control panels CP1 with 250 amp Fused disconnect with surge arrestor and Main Control Panel CP2
2. FRP 4X Control Panel and Stainless Steel Filter Controls Panel by Division 13. Installed by Division 26.
3. 4X Transformer for all 110V Equipment Pool Equipment listed furnished by Division 13.
4. Electrical Hookups by Division 26 including: Junction boxes shall be installed for each chemical feed system and controller.
5. Division 26 Contractor shall make all connections to all equipment, pumps, chemical equipment, UV, sump pumps, dewatering pumps, Estop with lexan cover and alarm, power/feeds, junction boxes and provide all sleeves.
6. In wall and surface mounted/buried PVC conduit and PVC junction boxes. All connections shall be in a min. of a 2X4 PVC Weatherproof Junction box.
7. All Building management automation interface and or controls by systems provider installer
8. All junction boxes and control panels must be labeled
9. Switch boxes control Co2, acid pump flow
10. Each system has a separate 120V/15A blower.
11. All drives are connected into a flow meter for each system

B SWIMMING POOLS ELECTRICAL SCHEMATIC

Scale: NO SCALE



A ENLARGED POOL MECHANICAL ROOM PLAN

Scale: 3/8" = 1'-0"

JEFFERSONVILLE HIGH SCHOOL NATATORIUM

2315 ALLISON LN.
JEFFERSONVILLE, IN 47130

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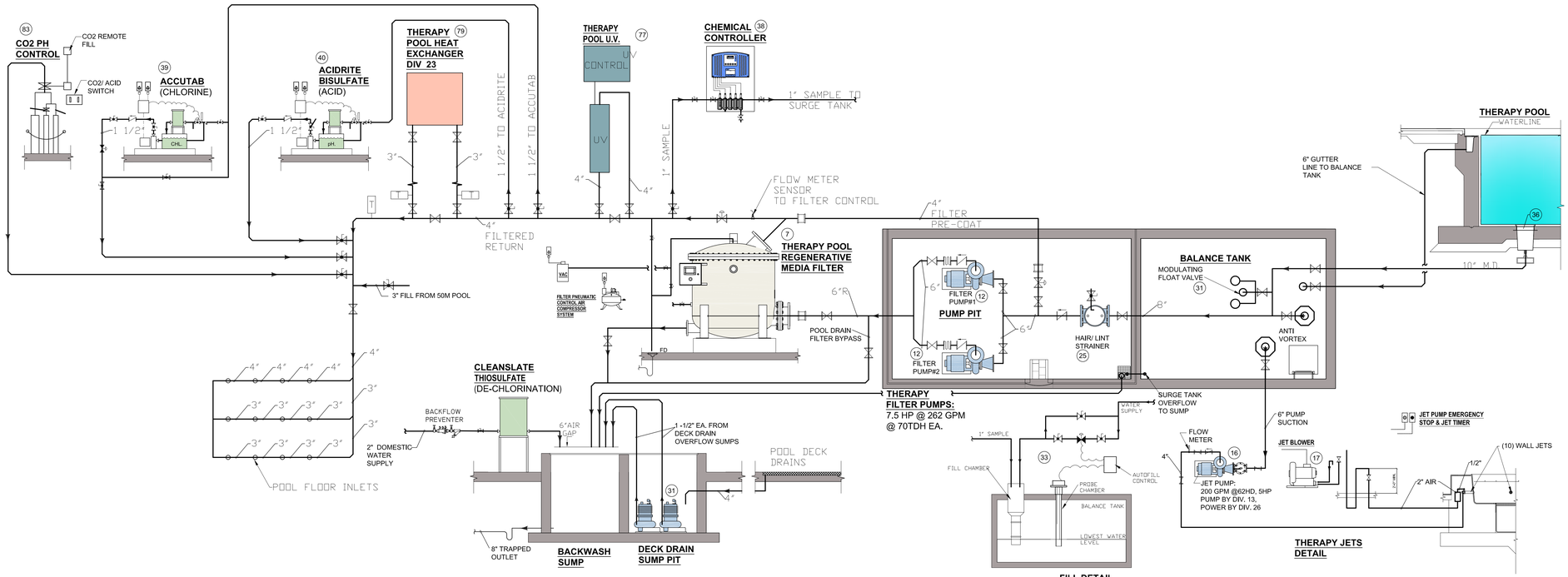
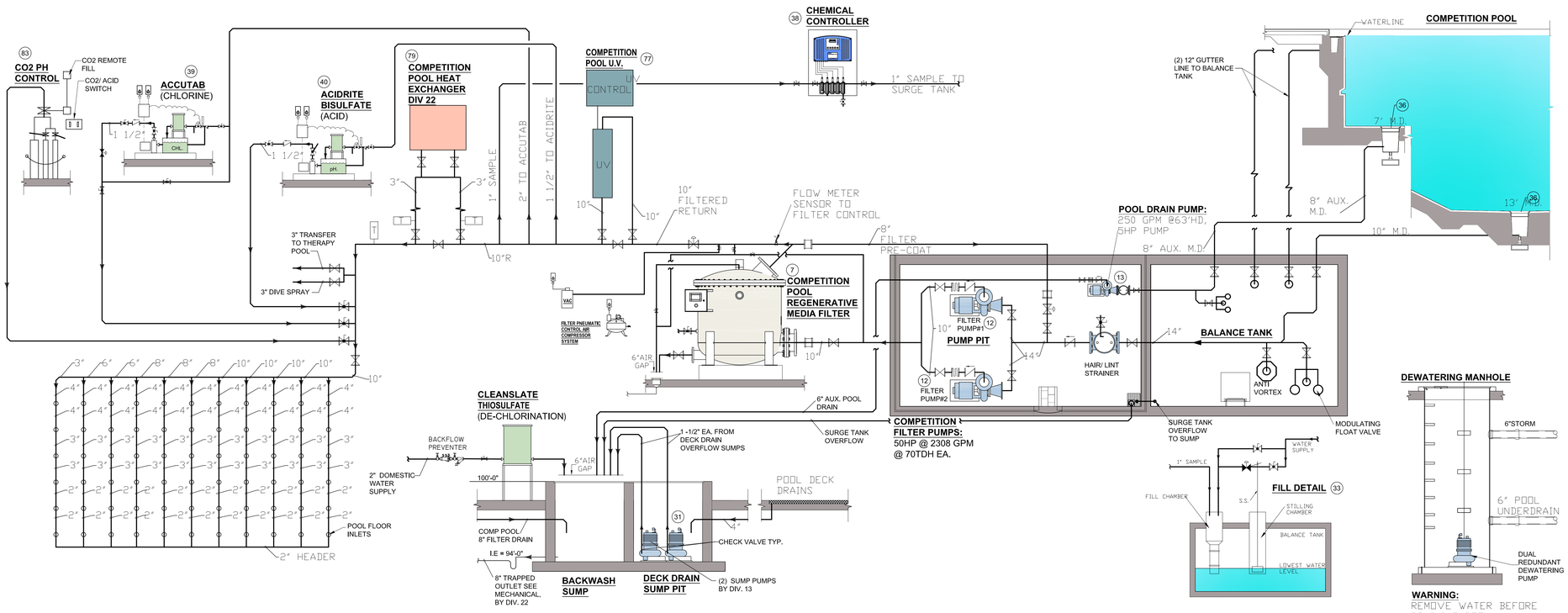
ENLARGED POOL MECHANICAL ROOM PLAN & ELECTRICAL SCHEMATIC

PL4.0



B PIPING ISOMETRIC - THERAPY POOL

Scale: NO SCALE



A PIPING ISOMETRIC - COMPETITION POOL

Scale: NO SCALE

JEFFERSONVILLE HIGH SCHOOL NATATORIUM

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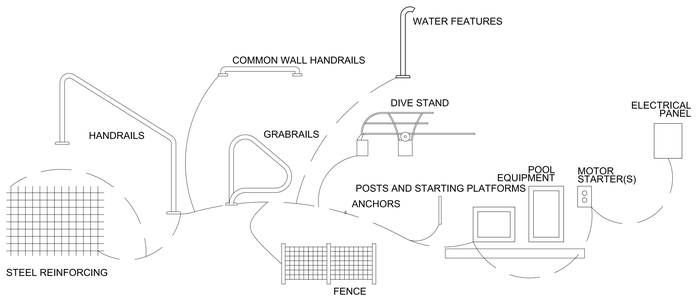
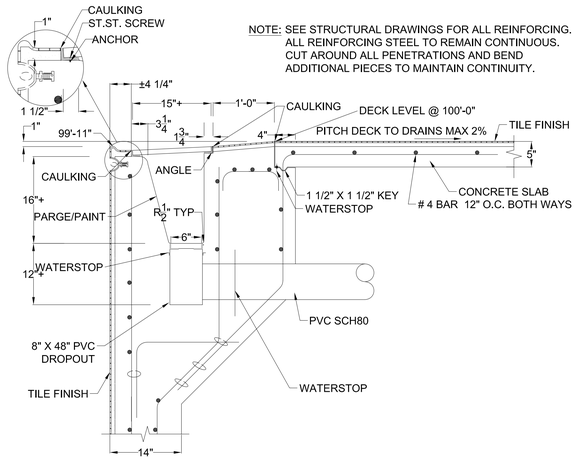
PIPING ISOMETRIC - COMPETITION & THERAPY POOLS

PL5.0

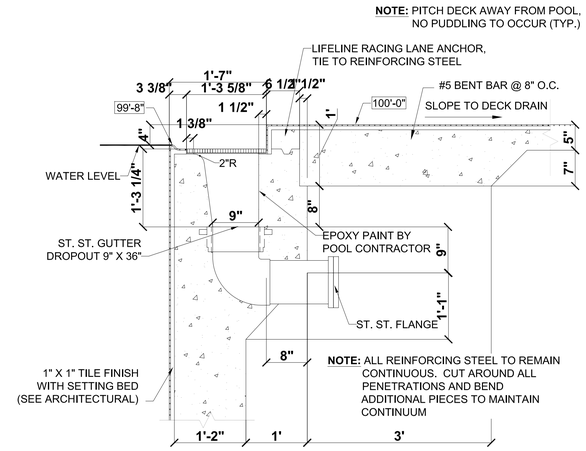


NOTE: BOND POOL EQUIPMENT AND APPURTENANCES WITH #8 AND APPURTENANCES WITH #8 SOLID COPPER WIRE CONDUCTOR TO THE GROUND IN THE ELECTRICAL PANEL. BOND ALL METAL OBJECTS WITHIN 5 FT. OF POOL ELECTRICAL TO COMPLY WITH ART. 680 OF CURRENT N.E.C. REQUIREMENTS. PROVIDE GFI'S IN ALL CIRCUITS SERVING ADAPTORS OR OTHER EQUIPMENT WITHIN 5FT. OF POOL.

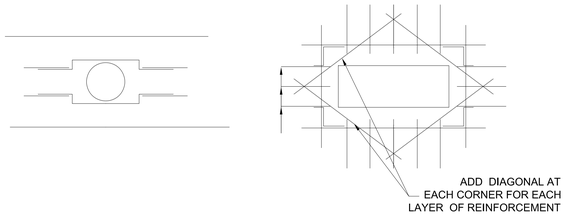
10 ELECTRICAL BONDING SCHEMATIC - BY E.C.
SCALE: NO SCALE



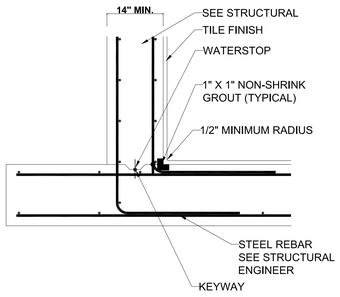
7 DIVING POOL / THERAPY POOL GUTTER DETAIL
SCALE: 1" = 1'-0"



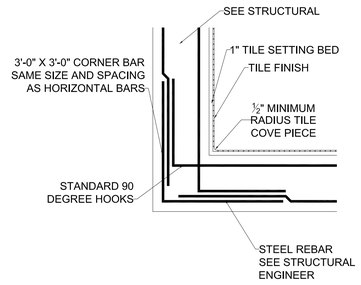
3 TYPICAL GUTTER DETAIL
SCALE: 1" = 1'-0"



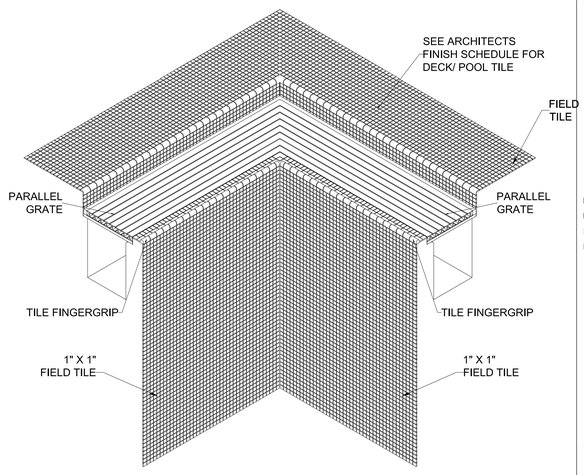
6 CONCRETE REINFORCEMENT AT OPENINGS DETAIL
NO SCALE



5 WALL AT FLOOR JOINT(TYP.)
NO SCALE



4 REINFORCING AT CORNER
NO SCALE



1 POOL CORNER DETAIL AT GUTTER
NO SCALE

JEFFERSONVILLE HIGH SCHOOL NATATORIUM

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KEY PLAN

NORTH

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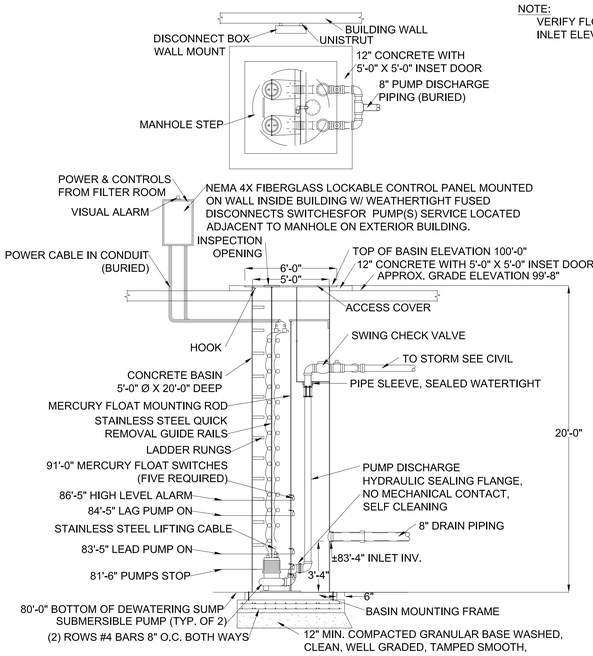
DETAILS

PL10.0



DECK	- 100'-0"
RIM OF GUTTER	- 99'-6"
BOTTOM OF POOL	- 86'-5"
BOTTOM OF EXCAVATION/UNDERDRAIN I.E.	- 83'-5"
UNDERDRAIN AT MANHOLE	- 83'-4"
BOTTOM OF MANHOLE	- 80'-0"

NOTE:
VERIFY FLOAT LEVEL ELEVATIONS AND
INLET ELEVATIONS WITH FIELD CONDITIONS.

LIFT STATION SPECIFICATION NOTES:

1 - PUMPS
- A. TYPE: 75 GPM @ 46 FT. HD.,1 H.P., 3450 RPM
  480 V, 3 PHASE, COMPLETELY SUBMERSIBLE VERTICAL CENTRIFUGAL TYPE
  TO HANDLE MINIMUM 2 1/2" SOLIDS.
- B. CASING: CAST IRON PUMP BODY AND OIL OR AIR FILLED MOTOR CHAMBER
- C. IMPELLER: CAST IRON; OPEN NON-CLOG OR RECESSED, STAINLESS STEEL SHAFT
- D. BEARINGS: BALL BEARINGS.
- E. ACCESSORIES: OIL RESISTING POWER CORD WITH LENGTH AS REQUIRED BY
  FIELD CONDITIONS.
- F. HYDROMATIC # 53HRC.

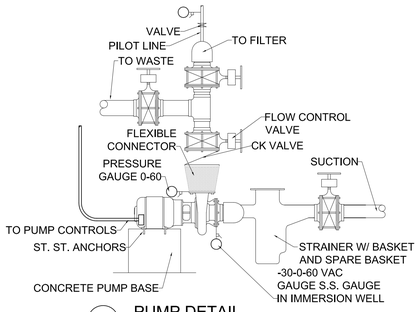
2. - CONTROL PANEL
- A. CONTROLS (DUPLEX): UL LISTED AND LABELED ENCLOSURE WIRED COMPLETE
  WITH NUMBERED
  TERMINAL WIRING STRIP, (1) INCOMING POWER SOURCE FUSED DISCONNECT,
  (2) FULL VOLTAGE NON-REVERSING MAGNETIC STARTERS, (2) DISCONNECT
  CIRCUIT BREAKERS FOR EACH PUMP, (2) T-O-A SELECTOR SWITCHES, CONTROL
  CIRCUIT TRANSFORMER WITH CIRCUIT BREAKER, (5) MERCURY FLOAT SWITCHES
  WITH CORDS MOUNTED ON INDEPENDENT 1 INCH STEED PIPE SECURED TO BASIN
  COVER, PILOT LIGHTS FOR PUMP ON INDICATING RED LIGHT AND 4 INCH AUDIBLE
  BELL MOUNTED ON CABINET WITH SILENCING SWITCH FOR HIGH WATER ALARM.
  PROVIDE CONTACTS FOR SEAL SENSOR MONITORING AND A SPARE SET FOR
  REMOTE MONITORING OF ALL ALARM AND SENSOR FUNCTIONS.
- B. ACCESSORIES: PROVIDE OIL-RESISTING POWER CORDS ON PUMPS, CONTROLS
  AND FLOATS OF SUFFICIENT LENGTH TO REACH CONTROL PANEL IN BUILDING
  WITHOUT SPLICING.

POOL EMPTY - (ON)		P1	P2	RED LIGHT P1	AUDIBLE ALARM P1	RED LIGHT P2	AUDIBLE ALARM P2
LEVEL 1	96'-0"	ON	OFF	ON	OFF	OFF	OFF
LEVEL 2	91'-0"	ON	OFF	ON	OFF	ON	OFF
LEVEL 3	84'-5"	ON	ON	ON	ON	ON	ON
LEVEL 4	83'-5"	ON	ON	ON	OFF	ON	OFF
LEVEL 5	81'-6"	OFF	OFF	OFF	OFF	OFF	OFF

POOL FULL- (AUTO) (30 DAY TIME CLOCK TO EXERCISE BOTH PUMPS)

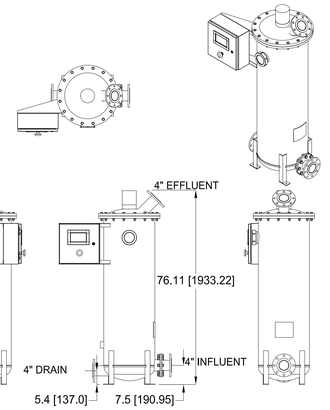
ACTIVATE LEVEL 1,2,3,4 FOR 60 MINUTES
NOTES: - FIELD VERIFY CONDITIONS UPON COMPLETION
- VERIFY PUMP ROTATION AND FLOW CONDITION PRIOR TO PUMPS RING

6 POOL DEWATERING DETAIL
No Scale



5 PUMP DETAIL
No Scale

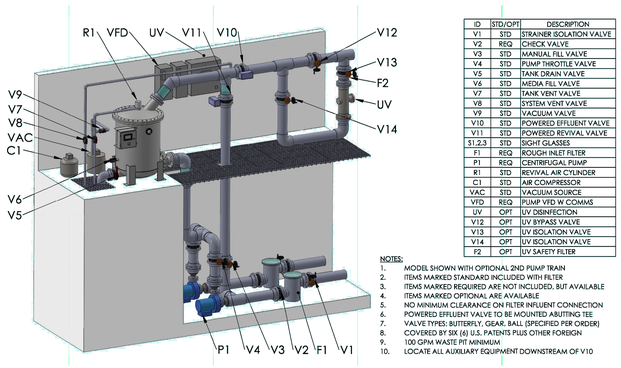
POOL		CONNECTIONS (IN)			MODEL DATA			CAPACITY & RATING			DIMENSIONS (IN)				
	MODEL	INFLUENT/ EFFLUENT	DRAIN	PRECOAT PIPING	MEDIA (LB)	TANK SHIP WT (LB)	TANK FOOTPRINT (FT²)	FILTER AREA (FT²)	FLOW RANGE (GPM)	TANK GAL	HEIGHT	DIAMETER	INLET	DRAIN	MEDIA FILL
THERAPY POOL	BSG 20	4	4	4	11	450	2.2	150	50-450	82	64.1	20	7.5	5.4	15.5
COMPETITION POOL	BSG 50T	10	6	8	112	1992	13.6	1488	373-4464	736	89.6	50	15	7	23



BSG 20T	Imperial	Metric
Filter Area	200 sq ft	18.6 sq meter
Flow Range	50 - 400 GPM	11 - 91 m^3/hr
Dry Weight	479 lbs	217 kg
Operating Weight	1,401 lbs	635 kg
Tank Volume	109 USG	0.41 m^3
Media Charge	15 lbs	6.8 kg

Notes:
1. Length of straight pipe required on influent or effluent: None.
2. Elbows directly on influent or effluent: Permitted.
3. Standard maximum operating pressure: 50 psi.
4. NSF approved cleaning method: CIP (clean-in-place)
5. Automated cleaning cycle: Standard. No disassembly.
6. Approved cleaning solutions are environmentally friendly: True.
7. Control Voltage: 24VDC
8. Control Valve Actuation: Compressed Air via 24VDC control.
9. Preferred VFD: Danfoss Aqua Drive FC202 / Pentair Intellidrive XL
10. Preferred Flow Meter: Signet 3-2551-XX-12 Magmeter.
11. Supplied Automated Butterfly Valves: 4" Effluent, 4" Revival (pre-coat).
12. Supplied Butterfly Valves: Strainer Isolation, Pump Throttle, Drain, Manual Fill.
13. Supplied Ball Valves: Media Fill, System Vent, Tank Vent, Vacuum.
14. Perlite Media Supplied: Purelite 1000 or Harborlite AP25.
15. Control May Be Rotated Or Wall Mounted.
16. Effluent Nozzle May Be Rotated Through 360 Degrees.

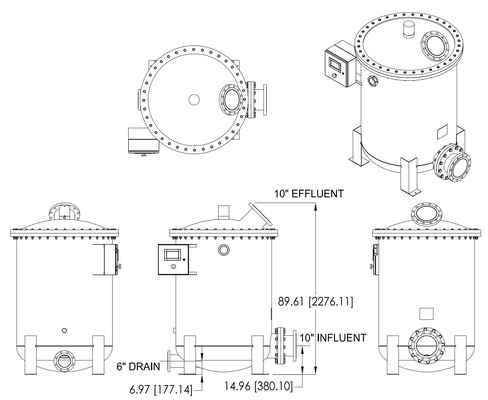
2 THERAPY POOL FILTER DETAILS: BSG 20T
No Scale



ID	STD/OPT	DESCRIPTION
V1	STD	STRAINER ISOLATION VALVE
V2	REQ	CHECK VALVE
V3	STD	MANUAL FILL VALVE
V4	STD	PUMP THROTTLE VALVE
V5	STD	TANK DRAIN VALVE
V6	STD	MEDIA FILL VALVE
V7	STD	TANK VENT VALVE
V8	STD	SYSTEM VENT VALVE
V9	STD	VACUUM VALVE
V10	STD	POWERED EFFLUENT VALVE
V11	STD	POWERED REVIVAL VALVE
S1,2,3	STD	SIGHT GLASSES
F1	REQ	ROUGH INLET FILTER
P1	REQ	CENTRIFUGAL PUMP
R1	STD	REVIVAL AIR CYLINDER
C1	STD	AIR COMPRESSOR
VAC	STD	VACUUM SOURCE
VFD	REQ	PUMP VFD W COMMS
UV	OPT	UV DISINFECTION
V12	OPT	UV BYPASS VALVE
V13	OPT	UV ISOLATION VALVE
V14	OPT	UV ISOLATION VALVE
F2	OPT	UV SAFETY FILTER

NOTES:
1. MODEL SHOWN WITH OPTIONAL 2ND PUMP TRAIN
2. ITEMS MARKED STANDARD INCLUDED WITH FILTER
3. ITEMS MARKED REQUIRED ARE NOT INCLUDED, BUT AVAILABLE
4. ITEMS MARKED OPTIONAL ARE AVAILABLE
5. NO MINIMUM CLEARANCE ON FILTER INFLUENT CONNECTION
6. POWERED EFFLUENT VALVE TO BE MOUNTED ABUTTING TEE
7. VALVE TYPES: BUTTERFLY, GEAR, BALL [SPECIFIED PER ORDER]
8. COVERED BY SIX (6) U.S. PATENTS PLUS OTHER FOREIGN
9. 100 GPM WASTE PIT MINIMUM
10. LOCATE ALL AUXILIARY EQUIPMENT DOWNSTREAM OF V10

4 DUAL PUMP FILTER ISOMETRIC DETAIL
No Scale



BSG 50T	Imperial	Metric
Filter Area	1488 sq ft	138.2 sq meter
Flow Range	373 - 2976 GPM	84 - 676 m^3/hr
Dry Weight	1992 lbs	904 kg
Operating Weight	8234 lbs	3734 kg
Tank Volume	736 USG	2.79 m^3
Media Charge	112 lbs	51 kg

Notes:
1. Length of straight pipe required on influent or effluent: None.
2. Elbows directly on influent or effluent: Permitted.
3. Standard maximum operating pressure: 50 psi.
4. NSF approved cleaning method: CIP (clean-in-place)
5. Automated cleaning cycle: Standard. No disassembly.
6. Approved cleaning solutions are environmentally friendly: True.
7. Control Voltage: 24VDC
8. Control Valve Actuation: Compressed Air via 24VDC control.
9. Preferred VFD: Danfoss Aqua Drive FC202 / Pentair Intellidrive XL
10. Preferred Flow Meter: Signet 3-2551-XX-12 Magmeter.
11. Supplied Automated Butterfly Valves: 10" Effluent, 8" Revival (pre-coat).
12. Supplied Butterfly Valves: Strainer Isolation, Pump Throttle, Drain, Manual Fill.
13. Supplied Ball Valves: Media Fill, System Vent, Tank Vent, Vacuum.
14. Perlite Media Supplied: Purelite 1000 or Harborlite AP25.
15. Control May Be Rotated Or Wall Mounted.
16. Effluent Nozzle May Be Rotated Through 360 Degrees.

1 COMPETITION POOL FILTER DETAILS: BSG 50T
No Scale

JEFFERSONVILLE HIGH SCHOOL NATATORIUM

2315 ALLISON LN.
JEFFERSONVILLE, IN 47130

GREATER CLARK COUNTY SCHOOLS

GCCS

ARCHITECT

FANNING HOWEY

317-848-0966 WWW.FHAI.COM
350 EAST NEW YORK ST.

KEY PLAN

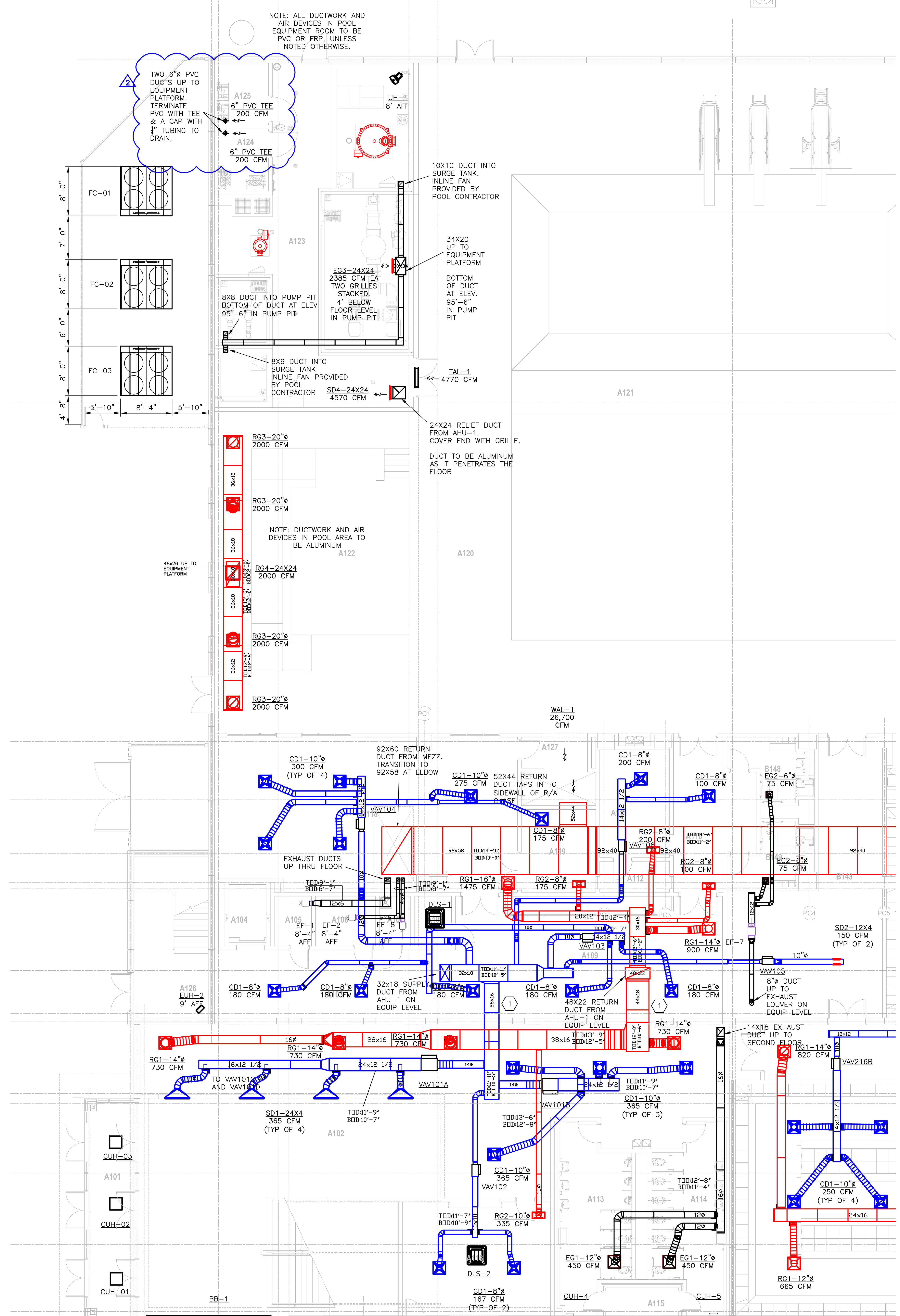
ISSUED FOR CONSTRUCTION

PROJECT MANAGER: JM
DRAWN BY: WJR
PROJECT NUMBER: 222038.00
PROJECT ISSUE DATE: NOVEMBER 20, 2023

REV. NO.	DESCRIPTION	DATE
1	ADDENDUM #3	01/17/2024

DETAILS

PL11.0



KEYNOTES

1. DUCT PENETRATION THROUGH PRECAST PANEL. COORDINATE OPENING SIZE AND LOCATION WITH ARCHITECT AND GENERAL CONTRACTOR.

DRAWING NOTES

SUPPLY AND OUTSIDE AIR DUCTWORK TO BE EXTERNALLY INSULATED WITH 2" FOIL-FACED INSULATION BLANKET.

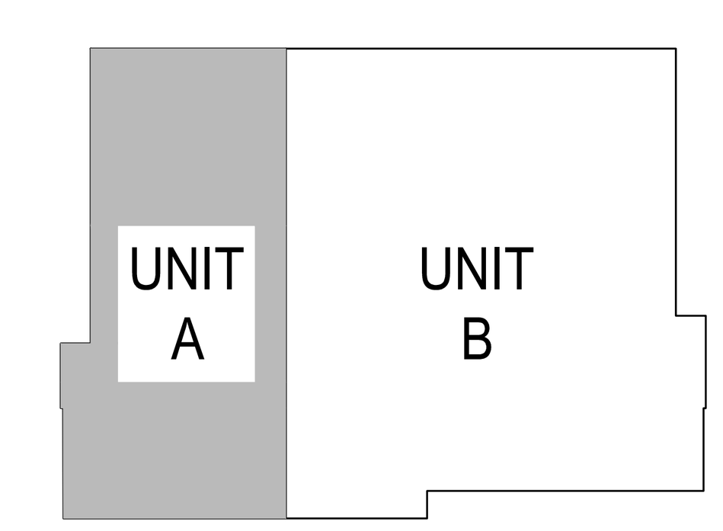
RETURN AND EXHAUST DUCT TO BE UNINSULATED.

ALL PDH UNIT DUCTWORK INSIDE AND SERVING THE POOL AREA TO BE ALUMINUM.

ALL EXHAUST DUCTWORK (EF-3,-4,-5) INSIDE AND SERVING THE POOL EQUIPMENT ROOM TO BE PVC OR FRP.

EXHAUST FANS (EF-3,-4,-5) SERVING POOL EQUIPMENT ROOM TO BE HI-PRO POLYESTER COATED.

DUCTWORK SERVING AHU-1,-2 AND ERV-1 TO BE GALVANIZED.



KEY PLAN

UNIIT A - FIRST FLOOR VENTILATION PLAN - HVAC

1/8"=1'-0"

ELEVATION 100'

DATE	BY	ISSUE/REVISION
11-20-23	DJN	ISSUED FOR CONSTRUCTION
01-18-24	DJN	ADDENDUM #3

PERFECTION GROUP ESTD 1951

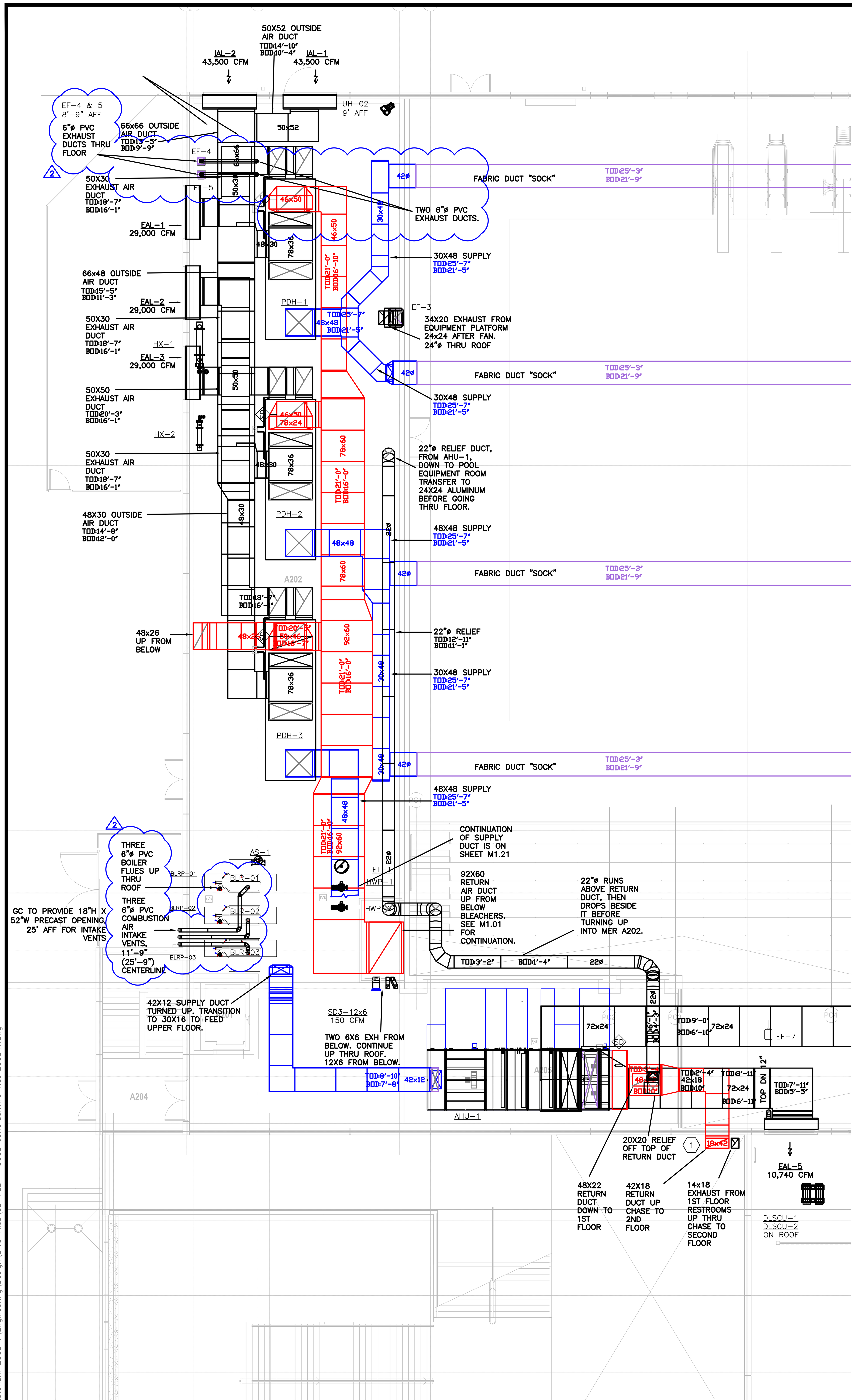
UNIT A - FIRST FLOOR VENTILATION - HVAC

GREATER CLARK COUNTY SCHOOLS
JEFFERSONVILLE HIGH SCHOOL NATATORIUM
2315 ALLISON LANE
JEFFERSONVILLE, IN 47130

JOB NO.: 23084T
SCALE: AS NOTED
DATE: 11-20-2023
DRAWN BY: DJN
APPROVED BY: TC
DRAWING NUMBER:

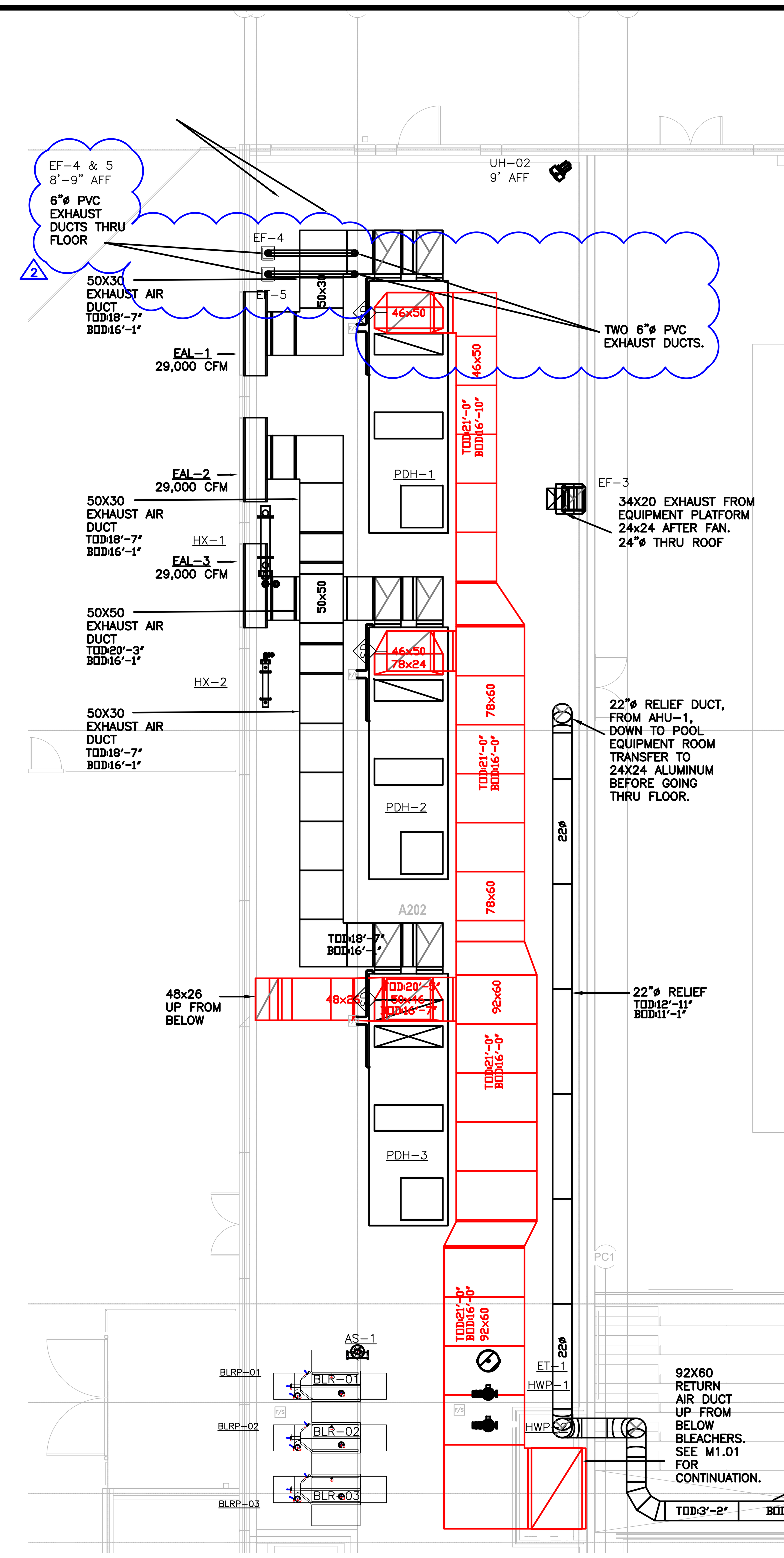
M1.01

REVISION NO.: 2



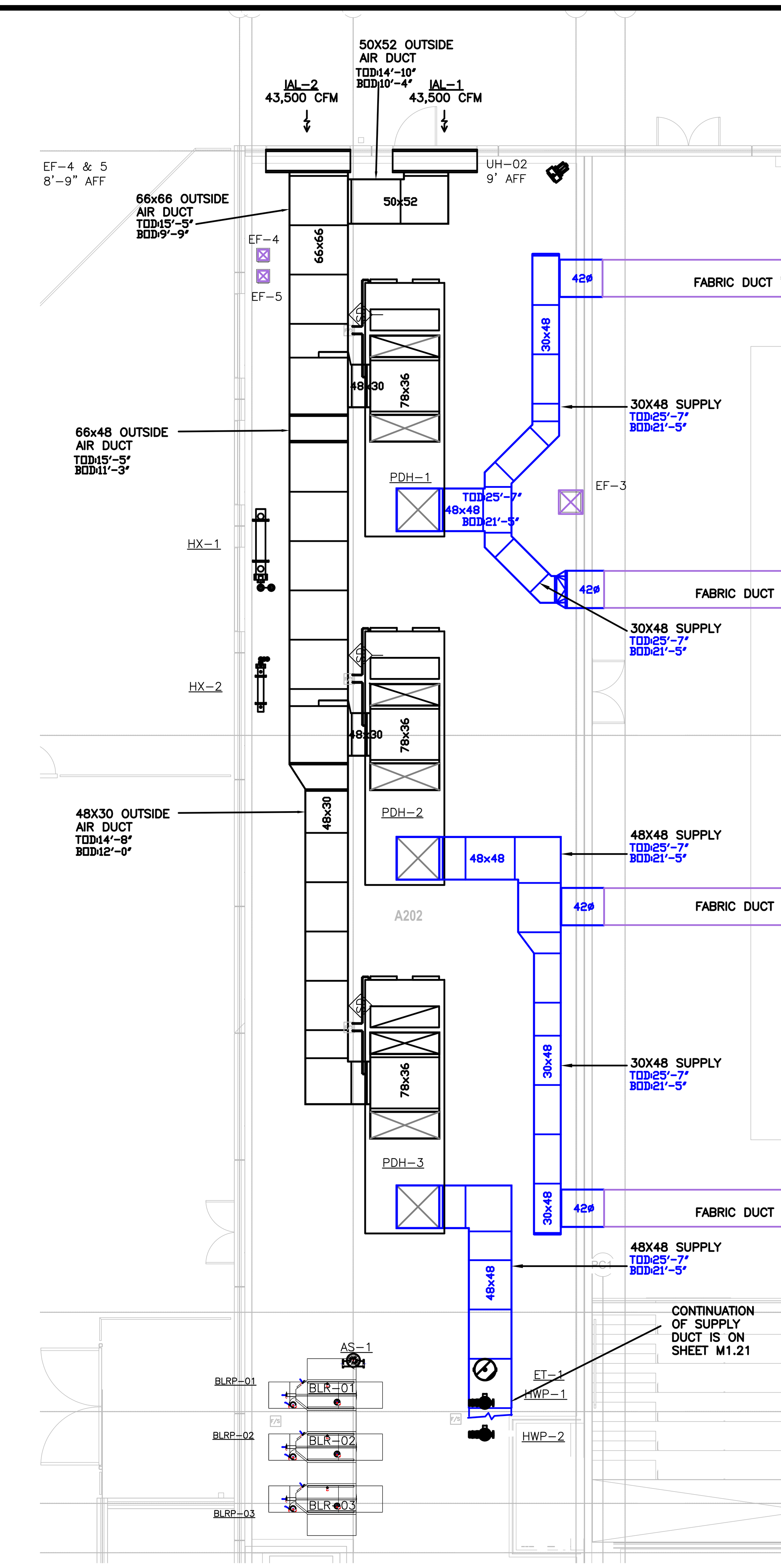
UNIT A - EQUIPMENT PLATFORM VENTILATION PLAN - HVAC

1/8"=1'-0" ELEVATION 114'



PDH UNITS - EXHAUST AND RETURN DUCT ONLY

1/8"=1'-0" ELEVATION 114'



PDH UNITS - SUPPLY AND OUTSIDE AIR DUCT ONLY

1/8"=1'-0" ELEVATION 114'

KEYNOTES

1. DUCT PENETRATION THROUGH PRECAST PANEL. COORDINATE OPENING SIZE AND LOCATION WITH ARCHITECT AND GENERAL CONTRACTOR.

DRAWING NOTES

SUPPLY AND OUTSIDE AIR DUCTWORK TO BE EXTERNALLY INSULATED WITH 2" FOIL-FACED INSULATION BLANKET.

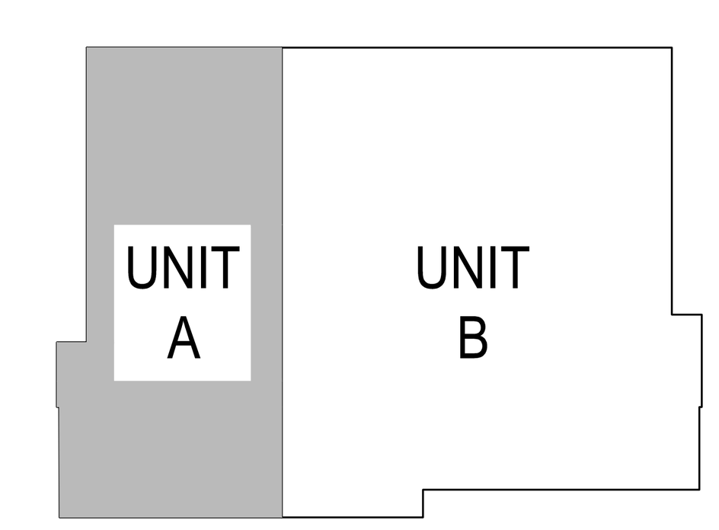
RETURN AND EXHAUST DUCT TO BE UNINSULATED.

ALL PDH UNIT DUCTWORK INSIDE AND SERVING THE POOL AREA TO BE ALUMINUM.

ALL EXHAUST DUCTWORK (EF-3,-4,-5) INSIDE AND SERVING THE POOL EQUIPMENT ROOM TO BE PVC OR FRP.

EXHAUST FANS (EF-3,-4,-5) SERVING POOL EQUIPMENT ROOM TO BE HI-PRO POLYESTER COATED.

DUCTWORK SERVING AHU-1 TO BE GALVANIZED.



KEY PLAN

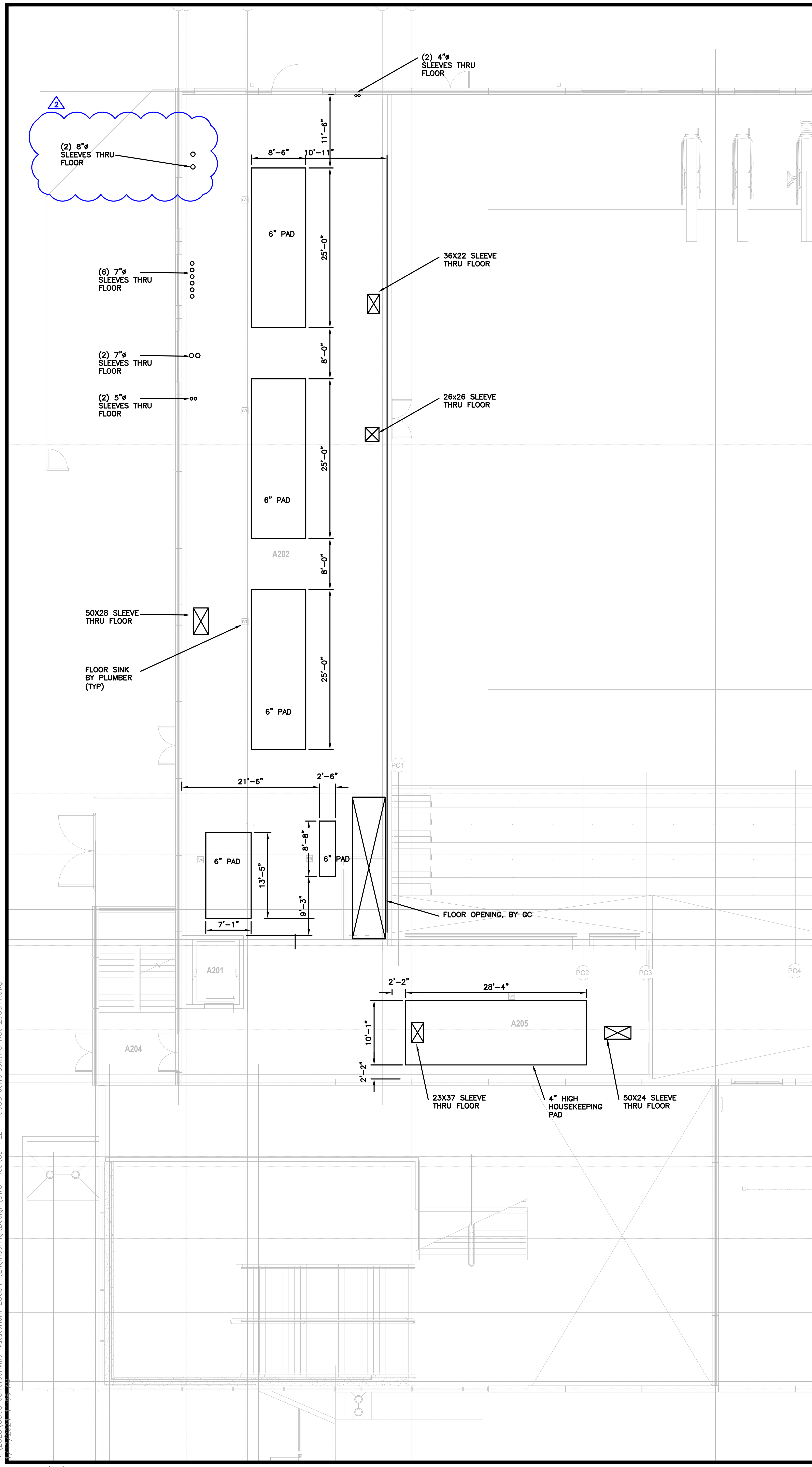
DATE	BY	ISSUE/REVISION
11-20-23	DJN	ISSUED FOR CONSTRUCTION
01-18-24	DJN	ADDENDUM #3

ESTD 1951 PERFECTION GROUP

UNIT A - EQUIPMENT PLATFORM VENTILATION - HVAC

GREATER CLARK COUNTY SCHOOLS
JEFFERSONVILLE HIGH SCHOOL NATATORIUM
2315 ALLISON LANE
JEFFERSONVILLE, IN 47130

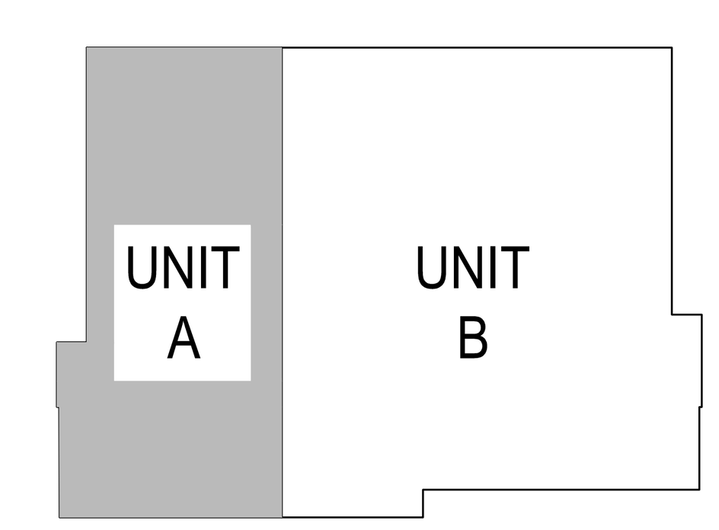
JOB NO.: 23084T
SCALE: AS NOTED
DATE: 11-20-2023
DRAWN BY: DJN
APPROVED BY: TC
DRAWING NUMBER:
M1.11
REVISION NO.: 2



UNIT A - HOUSEKEEPING PADS/FLOOR OPENINGS - HVAC

1/8"=1'-0" ELEVATION 114'

DIMENSIONS ARE APPROXIMATE. SIZE AND LOCATION OF PADS AND FLOOR PENETRATIONS TO BE VERIFIED AND COORDINATED.



KEY PLAN

DATE	BY	ISSUE/REVISION
11-20-23	DJN	ISSUED FOR CONSTRUCTION
01-18-24	DJN	ADDENDUM #3

PERFECTION GROUP ESTD 1951

UNIT A - HOUSEKEEPING PADS/FLOOR OPENINGS

GREATER CLARK COUNTY SCHOOLS
JEFFERSONVILLE HIGH SCHOOL NATATORIUM
2315 ALLISON LANE
JEFFERSONVILLE, IN 47130

JOB NO.: 23084T
SCALE: AS NOTED
DATE: 11-20-2023
DRAWN BY: DJN
APPROVED BY: TC
DRAWING NUMBER:

M1.17

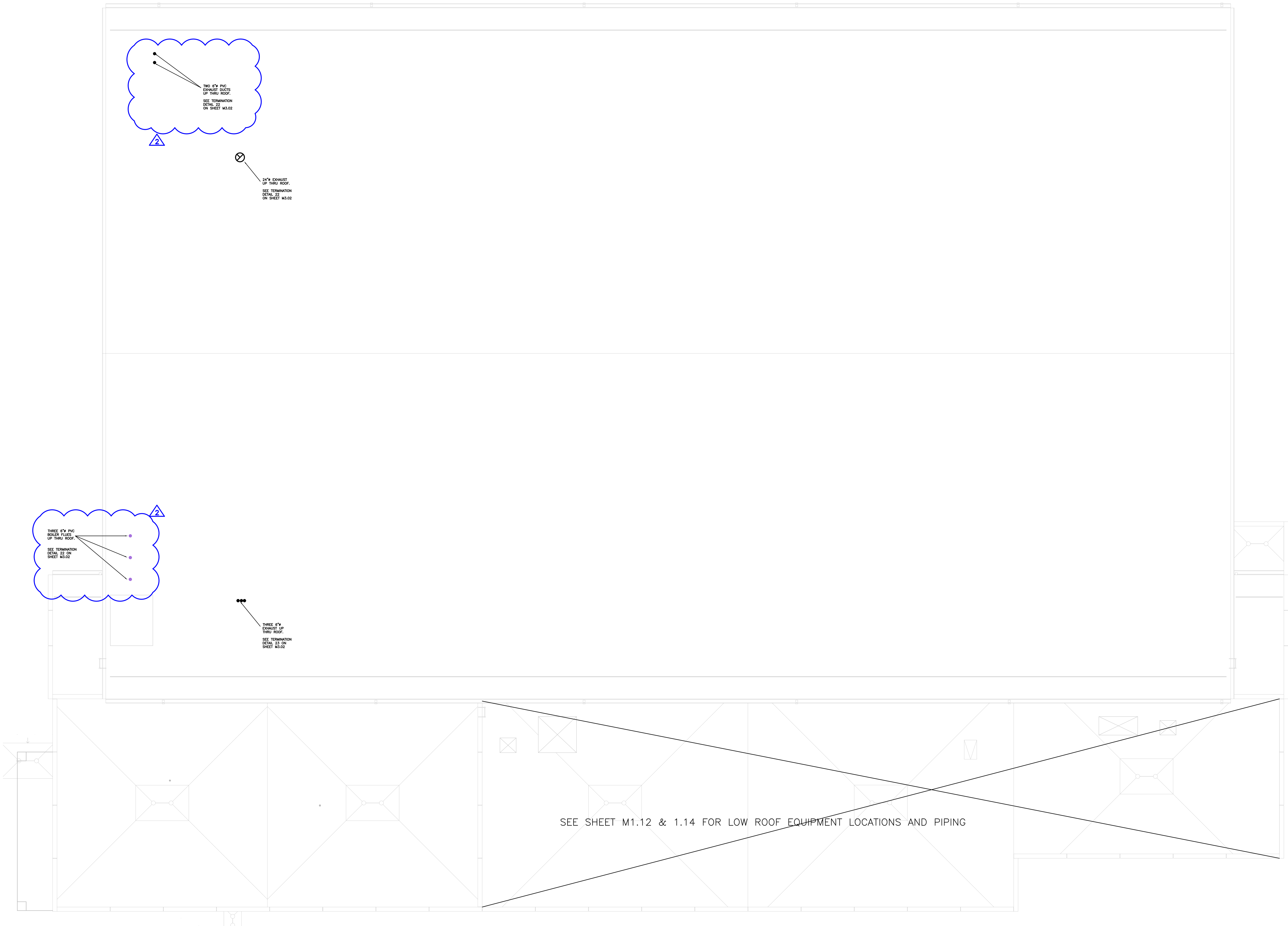
REVISION NO.:

30X42_11/28/18

DRAWING NOTES

EXHAUST DUCT TO BE UNINSULATED.

ALL EXHAUST DUCTWORK (EF-3,-4,-5) INSIDE AND SERVING THE POOL EQUIPMENT ROOM TO BE PVC OR FRP



ROOF PLAN - HVAC

3/32"=1'-0"

	DATE	BY	ISSUE/REVISION
1	11-20-23	DJN	ISSUED FOR CONSTRUCTION
2	01-18-24	DJN	ADDENDUM #3

WILLIAM JOHN ALBRECHT, JR. REGISTERED PE10607213 STATE OF INDIANA PROFESSIONAL ENGINEER

ESTD 1951 PERFECTION GROUP

ROOF PLAN - HVAC

GREATER CLARK COUNTY SCHOOLS
JEFFERSONVILLE HIGH SCHOOL NATATORIUM
2315 ALLISON LANE
JEFFERSONVILLE, IN 47130

JOB NO.: 23084T
SCALE: AS NOTED
DATE: 11-20-2023
DRAWN BY: DJN
APPROVED BY: TC
DRAWING NUMBER:
M2.01
REVISION NO.: 2

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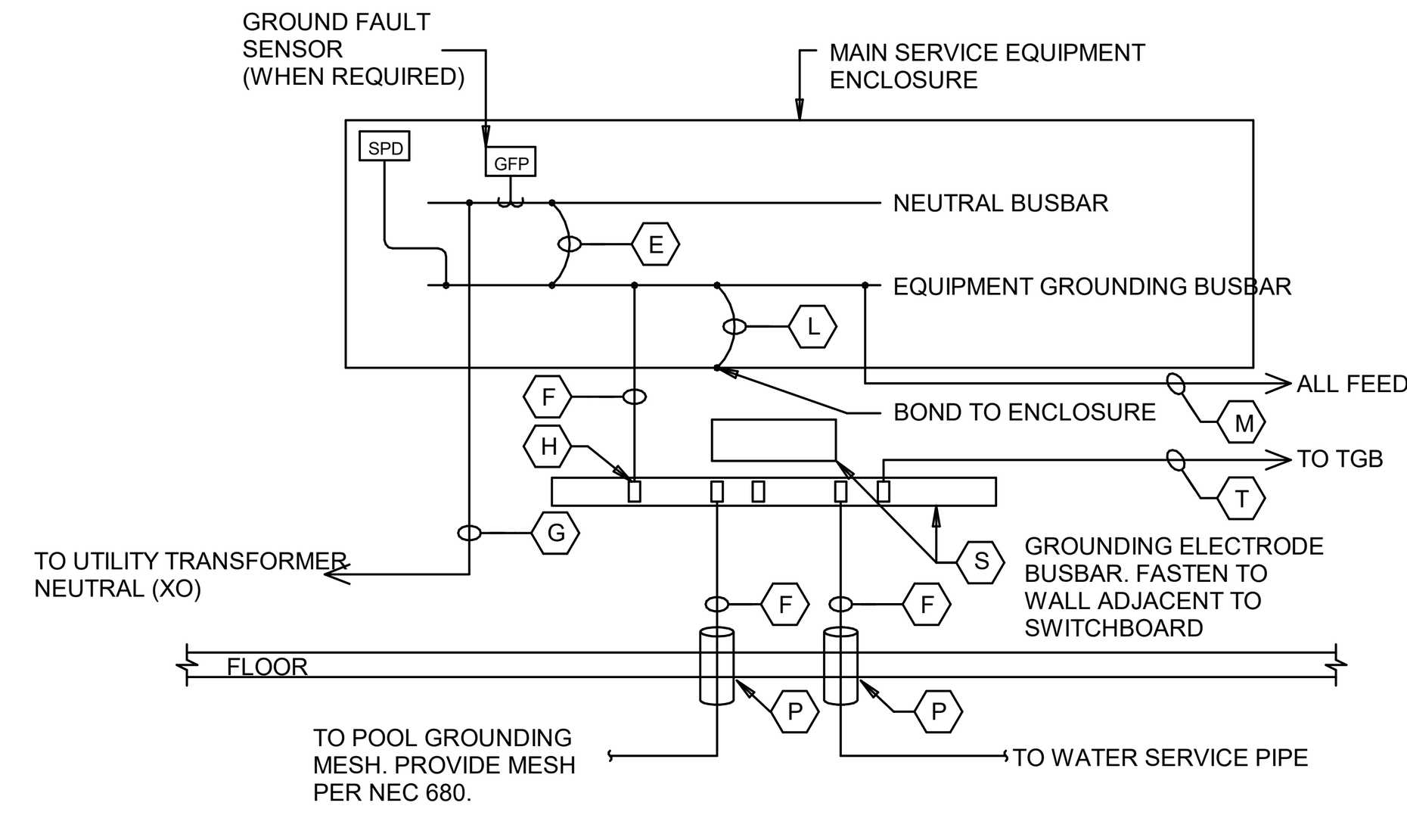
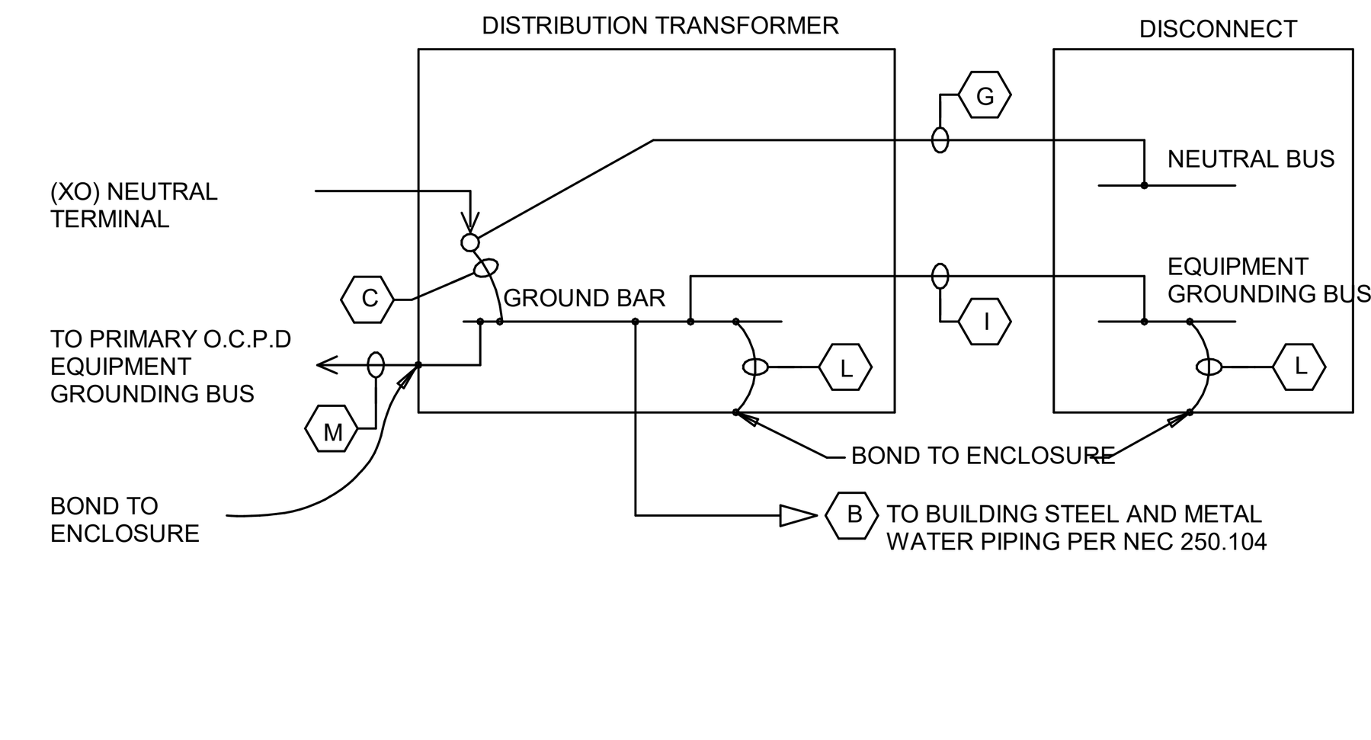
GROUNDING CODED NOTES:

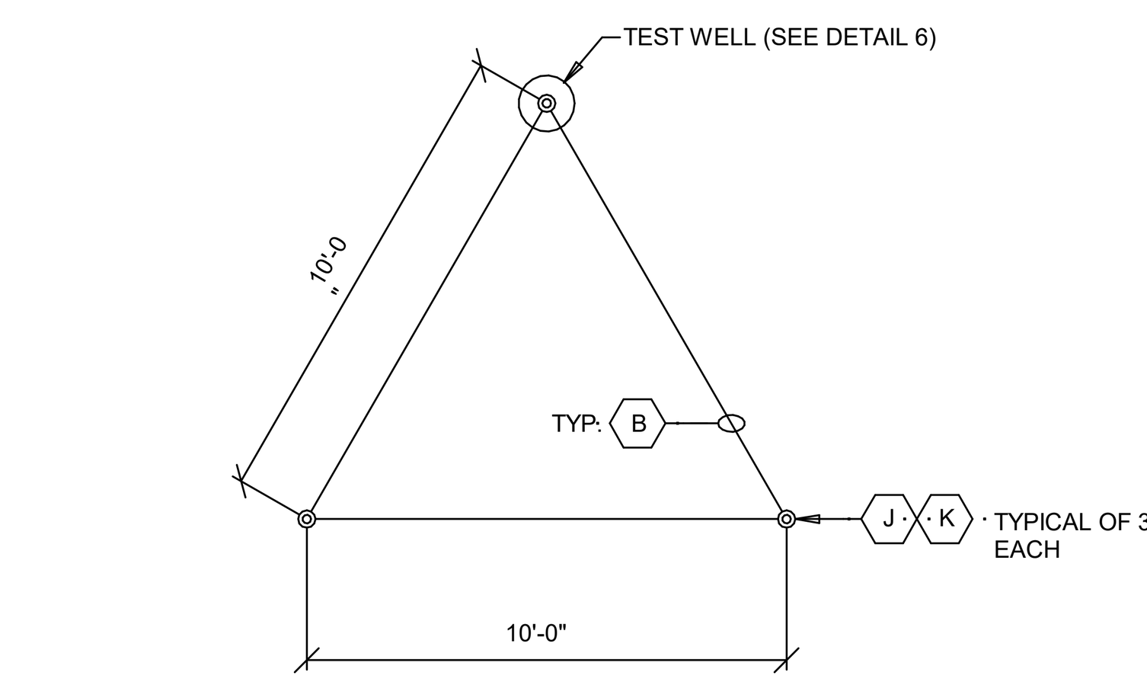
- (A) GROUNDING ELECTRODE CONDUCTOR. BARE, TINNED, STRANDED, COPPER-CONDUCTOR. (30 INCHES BELOW GRADE, MIN.) (24 INCHES FROM FOUNDATION, MIN.) FOR ELECTRICAL SERVICE OF 800 AMP OR LESS USE #2/0 AWG. FOR ELECTRICAL SERVICE GREATER THAN 800 AMP USE #4/0 AWG.
- (B) GROUNDING CONDUCTOR. 2/0 AWG BARE, TINNED, STRANDED, COPPER-CONDUCTOR.
- (C) IRREVERSIBLE, COPPER, COMPRESSION CONNECTOR. (CABLE TO CABLE)
- (D) IRREVERSIBLE, COPPER, COMPRESSION CONNECTOR. (CABLE TO TRAY) BOND EACH SECTION, TRANSISTION, RISER, TEE, ETC.
- (E) MAIN BONDING JUMPER PROVIDED BY MANUFACTURER AS PART OF LISTED AND LABELED SERVICE EQUIPMENT. IF NOT PROVIDED BY MANUFACTURER, PROVIDE #4/0 BARE, TINNED, STRANDED, COPPER-CONDUCTOR.
- (F) GROUNDING ELECTRODE CONDUCTOR: #4/0 AWG STRANDED, BARE, COPPER IN PVC CONDUIT.
- (G) GROUNDED CONDUCTOR (NEUTRAL): (REFER TO ONE-LINE DIAGRAM FOR CONDUCTOR SIZE).
- (H) PROVIDE UL 467 LISTED COMPRESSION CONNECTORS, TWO-HOLE LUGS.
- (I) SYSTEM BONDING JUMPER CONDUCTOR. SYSTEM BONDING JUMPER CONDUCTOR TO BE RUN IN EACH CONDUIT CONTAINING PHASE CONDUCTORS BETWEEN TRANSFORMER AND MAIN SECONDARY DISCONNECT. (REFER TO ONE-LINE DIAGRAM FOR CONDUCTOR SIZE)
- (JJ) 10 FOOT BY 3/4" COPPER WELD GROUND ROD. TOP OF RAD SHALL BE 12" MINIMUM BELOW FINISHED GRADE.
- (J) 8 FOOT BY 5/8" COPPER WELD GROUND ROD. TOP OF ROD SHALL BE 12" MINIMUM BELOW FINISHED GRADE.
- (K) PROVIDE EXOTHERMIC WELD FOR ALL CABLE TO ROD, CABLE TO CABLE, OR CABLE TO STEEL CONNECTIONS.
- (L) EQUIPMENT BONDING JUMPER STRANDED, BARE, COPPER. (<110A USE #6, <410A USE #2, <810A USE #2/0, <2100A USE #4/0) SCREW OF BUSBAR MAY BE USED WHEN PROVIDED AS PART OF LISTED SERVICE EQUIPMENT.
- (M) EQUIPMENT GROUNDING CONDUCTOR (REFER TO ONE LINE DIAGRAM FOR CONDUCTOR SIZE).
- (N) TELECOMMUNICATIONS BONDING BACKBONE: #4/0 AWG STRANDED BARE COPPER.
- (O) BONDING CONDUCTOR: 6 AWG STRANDED BARE COPPER.
- (P) 1" PVC SLEEVE FOR ALL GROUNDING CONDUCTORS THROUGH FLOOR SLABS. NEVER ROUTE GROUNDING CONDUCTORS IN A METAL CONDUIT.
- (Q) PROVIDE UL 467 LISTED, ELECTRO-TIN-PLATED COPPER BUSBAR, 4" x 20" x 1/4" WITH (2) 2-INCH INSULATED STANDOFF SUPPORTS. PROVIDE ENGRAVED NAMEPLATE, SCREWED TO WALL, 6" ABOVE GROUNDING BUS BAR WHICH READS "IF THESE CONNECTORS OR CABLES ARE LOOSE OR MUST BE REMOVED, PLEASE CALL THE BUILDING TELECOMMUNICATIONS MANAGER".
- (R) PROVIDE UL 467 LISTED, ELECTRO-TIN-PLATED COPPER BUSBAR, 2" x 12" x 1/4" WITH (2) 2-INCH INSULATED STANDOFF SUPPORTS. PROVIDE ENGRAVED NAMEPLATE SCREWED TO WALL, 6" ABOVE GROUNDING BUS BAR WHICH READS, "IF THESE CONNECTORS OR CABLES ARE LOOSE OR MUST BE REMOVED, PLEASE CALL THE BUILDING TELECOMMUNICATIONS MANAGER".
- (S) PROVIDE UL 467 LISTED, ELECTRO-TIN-PLATED COPPER BUSBAR, 4" x 20" x 1/4" WITH (2) 2-INCH INSULATED STANDOFF SUPPORTS. PROVIDE ENGRAVED NAMEPLATE, SCREWED TO WALL, 6" ABOVE GROUNDING BUS BAR WHICH READS "WARNING - SHOCK HAZARD EXISTS IF GROUNDING ELECTRODE CONDUCTOR OR BONDING JUMPER CONNECTION IN THIS EQUIPMENT IS REMOVED WHILE ALTERNATE SOURCE (GENERATOR) IS ENERGIZED".
- (T) CONTINUOUS, UNSPLICED BONDING CONDUCTOR FOR TELECOMMUNICATIONS: 2/0 AWG BARE, TINNED, STRANDED, COPPER-CONDUCTOR IN CABLE TRAYS.
- (U) BRAIDED ALUMINUM CABLE FOR LIGHTING DOWNRUNNER. SUPPORT SPACING PER NFPA 780.
- (V) CONNECT GROUND CABLE TO EXISTING SERVICE GROUNDING ELECTRODE AT UTILITY TRANSFORMER OR MAIN SWITCHBOARD GROUND BAR.
- (W) CONNECT TO EXISTING BUILDING GROUND LOOP IF FOUND, DISTURBED, OR DAMAGED, PROVIDE (K) AT ALL SPLICES AND NEW CABLE CONNECTIONS.
- (X) WELD A MINIMUM 6" x 3" x 1/4" STEEL PLATE TO UNDERSIDE OF BOTTOM FLANGE OF ROOF JOIST. THE STEEL PLATE SHALL BE WELDED TO THE BOTTOM FLANGE USING A NORMAL WELDING PROCEDURE WITH WELDS PARALLEL TO THE BOTTOM FLANGE ALONG THE EDGE. THEN BOND THE GROUNDING CONDUCTOR TO THE STEEL PLATE AT LEAST 1" AWAY FROM FLANGE, USING AN EXOTHERMIC WELD.
- (Y) PROVIDE WRAP AROUND PLASTIC LABEL ON EACH CONDUCTOR AT GROUND BAR. IDENTIFY WHAT THE CABLE IS CONNECTED TO.



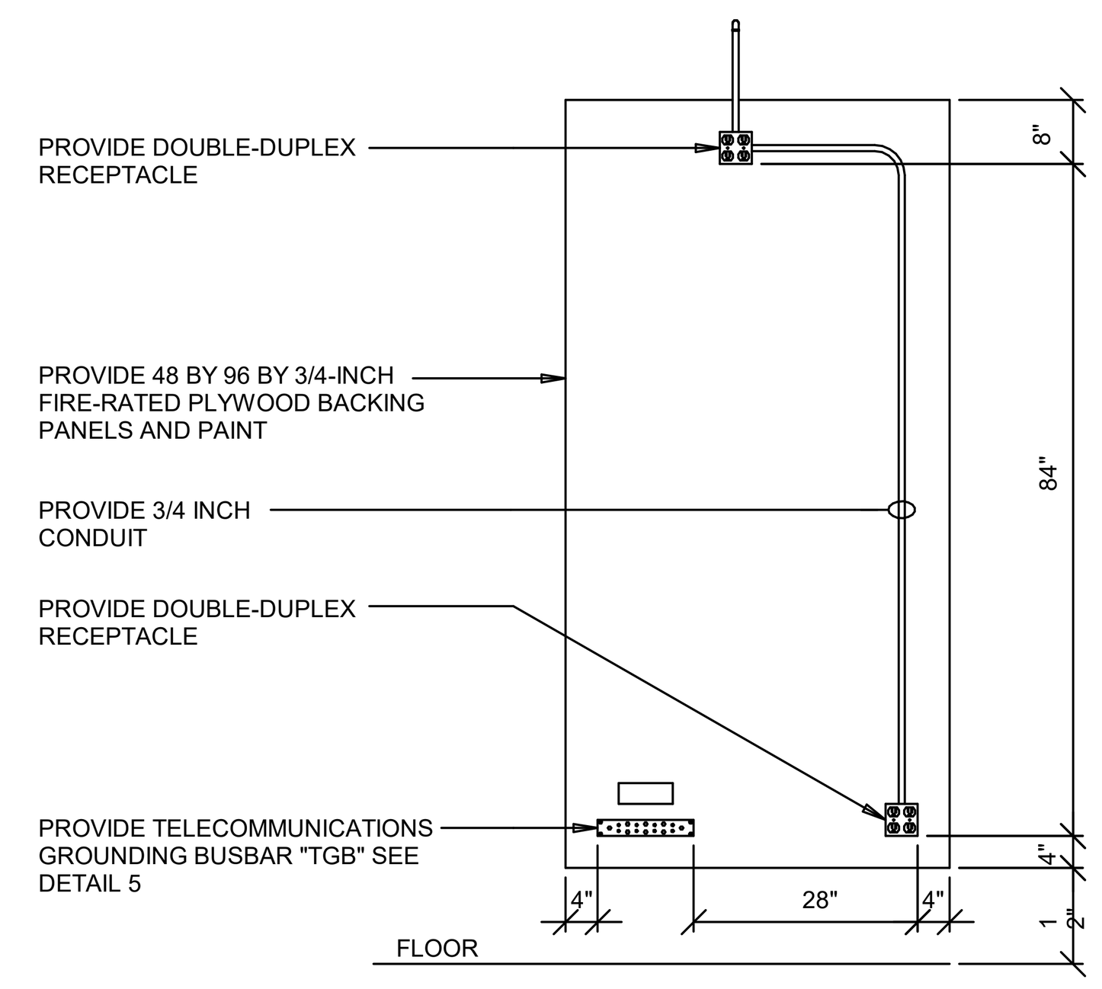
1 MAIN SERVICE GROUNDING ELECTRODE BUSBAR DETAIL
NO SCALE



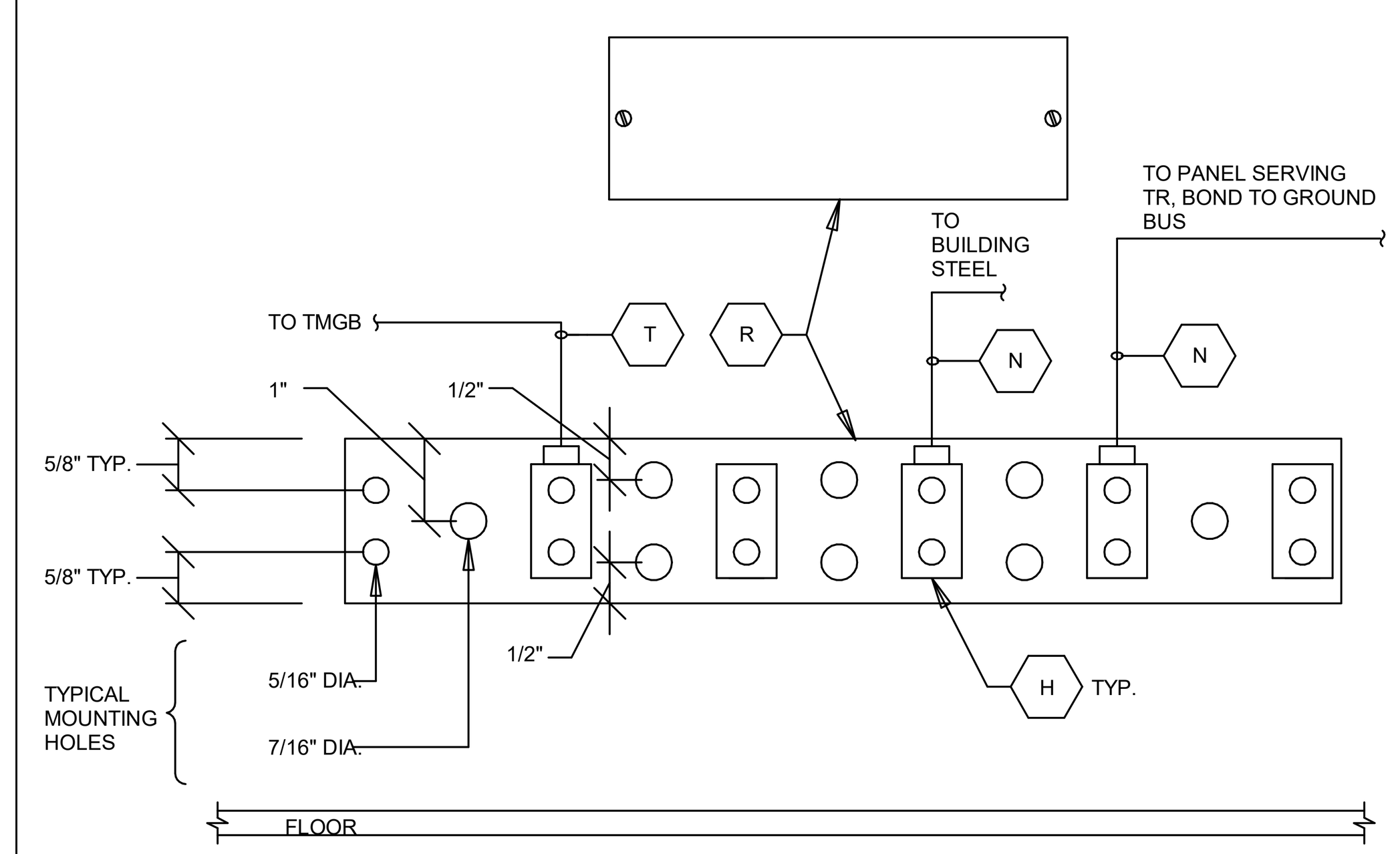
2 DISTRIBUTION TRANSFORMER GROUNDING DETAIL
NO SCALE



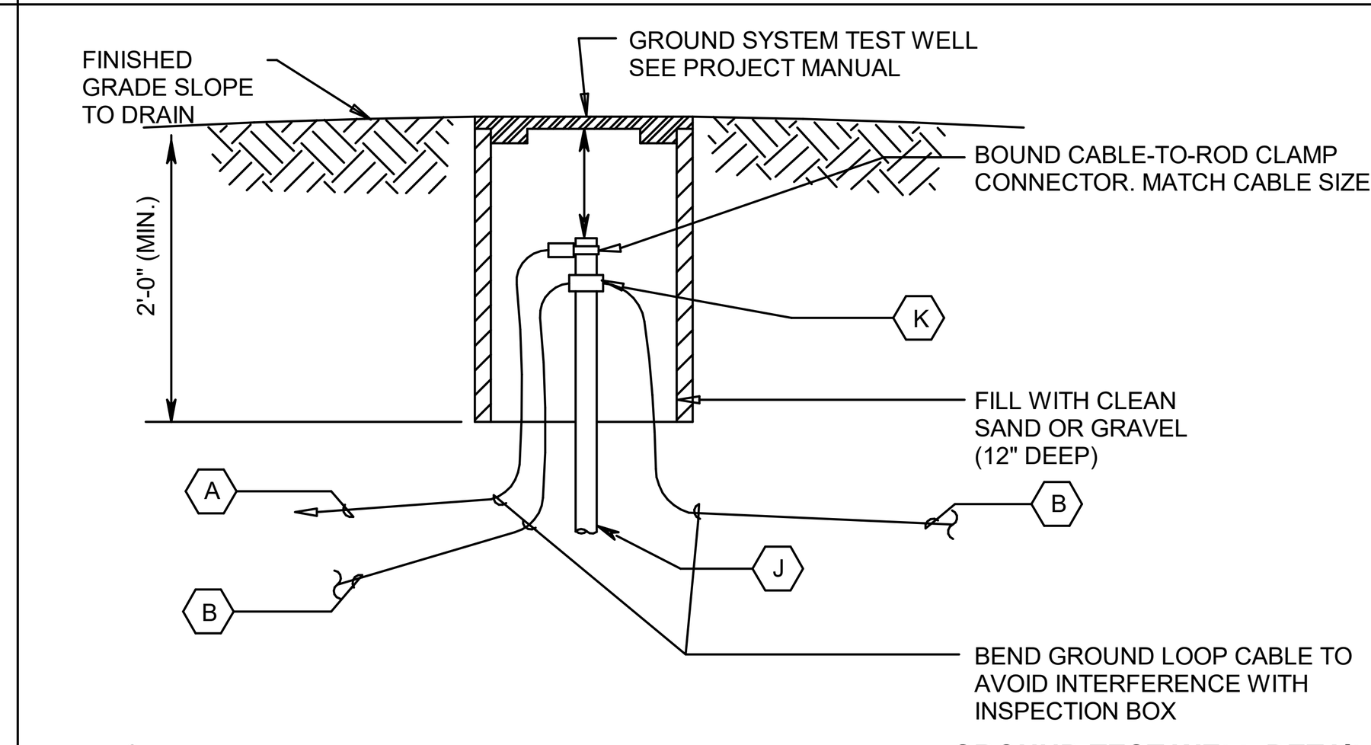
3 TYPICAL GROUNDING TRIANGLE DETAIL
INSTALL NEAR SERVICE TRANSFORMER
NO SCALE



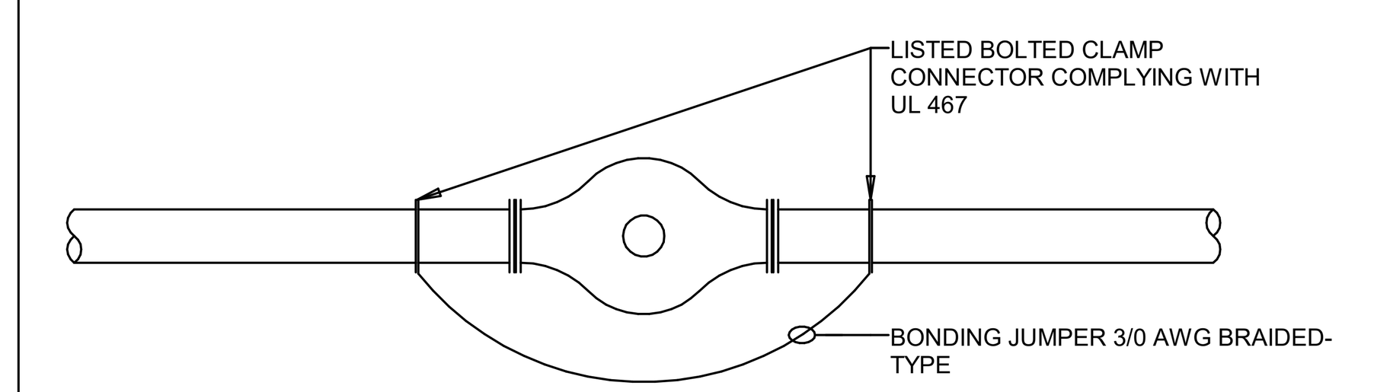
4 TYPICAL TR BACKBOARD
NO SCALE



5 TYPICAL TR TELECOMMUNICATIONS GROUNDING BUSBAR (TGB) DETAIL
NO SCALE

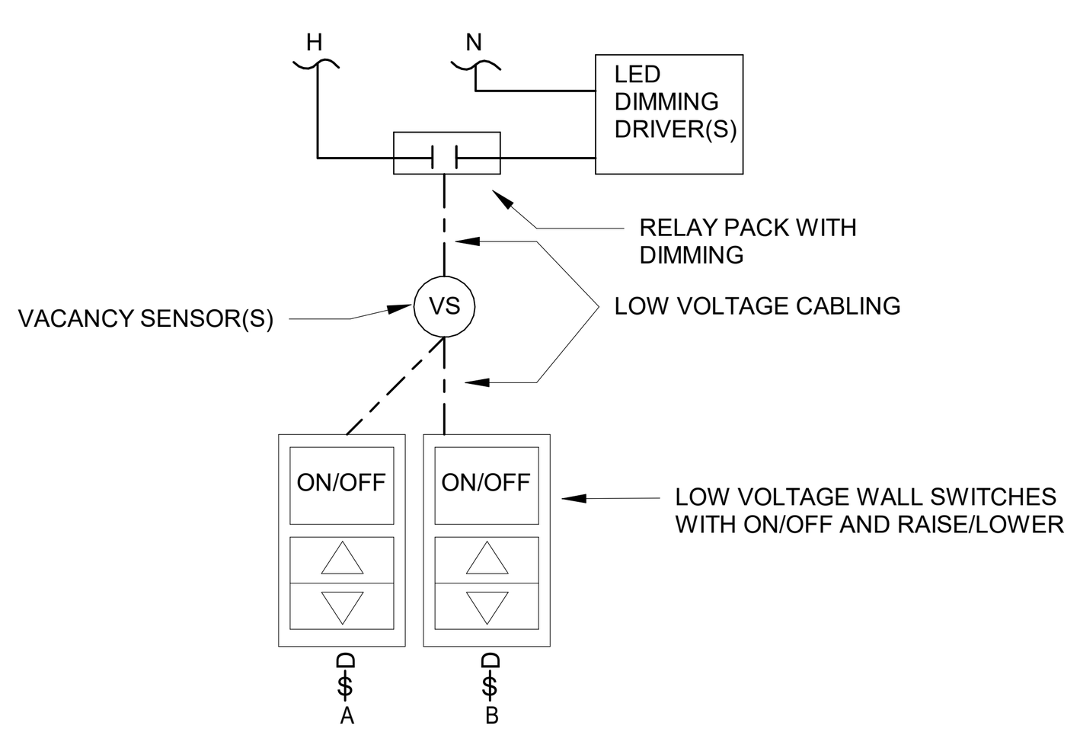


6 GROUND TEST WELL DETAIL
GROUND RESISTANCE AS MEASURED BY A GROUND MEGGER SHALL NOT BE GREATER THAN 5 OHMS
NO SCALE



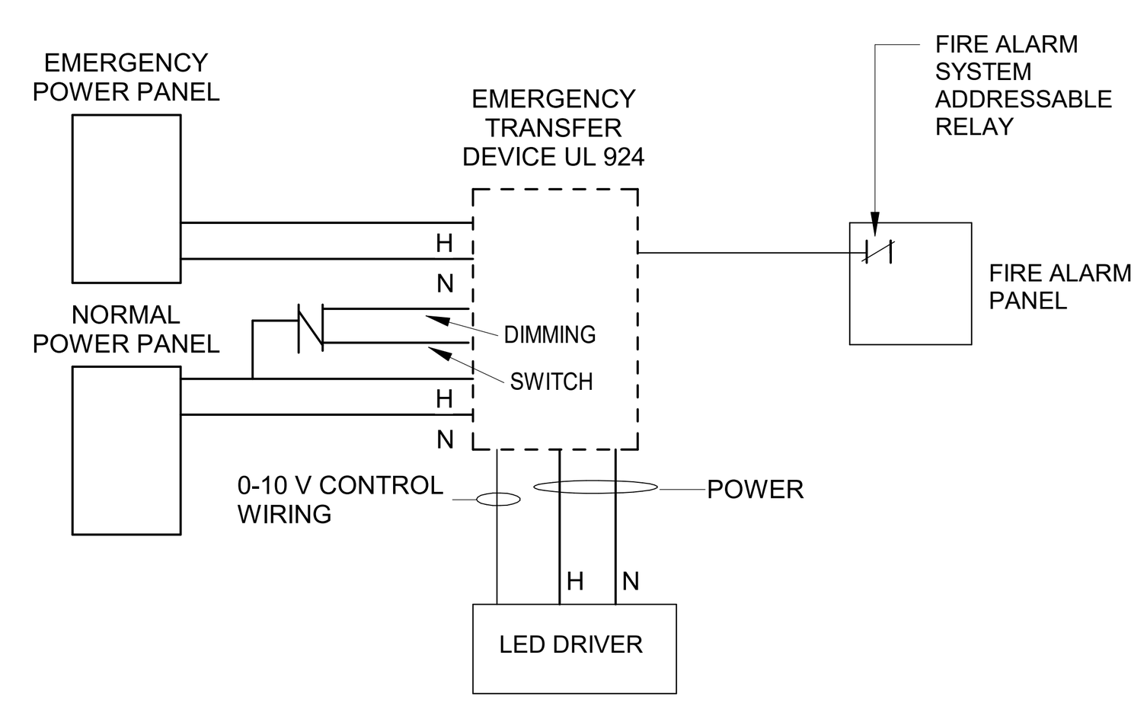
7 TYPICAL BONDING JUMPER AT EACH WATER METER
NO SCALE

1. SYSTEM SHALL BE SET UP SUCH THAT LIGHTING IS MANUALLY SWITCHED ON AND AUTOMATICALLY SWITCHED OFF BY VACANCY SENSOR AFTER 15 MINUTES OF ROOM VACANCY.
2. A - CONTROLS TEACHING WALL FIXTURES.
3. B - CONTROLS REST OF ROOM FIXTURES.
4. ONCE LIGHTING IS SWITCHED ON, LIGHTS MAY BE DIMMED THROUGH RAISE/LOWER BUTTONS ON WALL SWITCH.



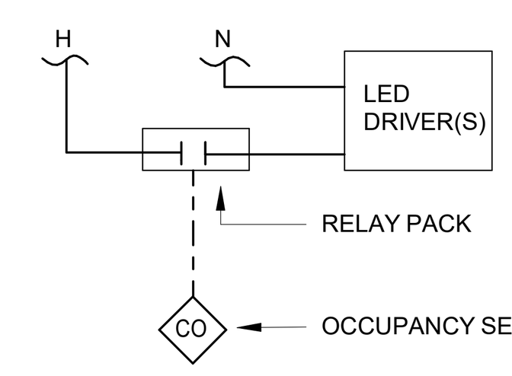
8 LIGHTING CONTROL - CLASSROOM
NO SCALE

1. SYSTEM SHALL BE SET UP SUCH THAT LIGHTING SHALL OPERATE WITH THE CONTROLS OF THE NORMAL LIGHTING IN THE SPACE.
2. SYSTEM SHALL BE SET UP SUCH THAT WHEN A FIRE ALARM OR POWER LOSS IS INITIATED THE EMERGENCY FIXTURES WILL BE ON AT 100%.



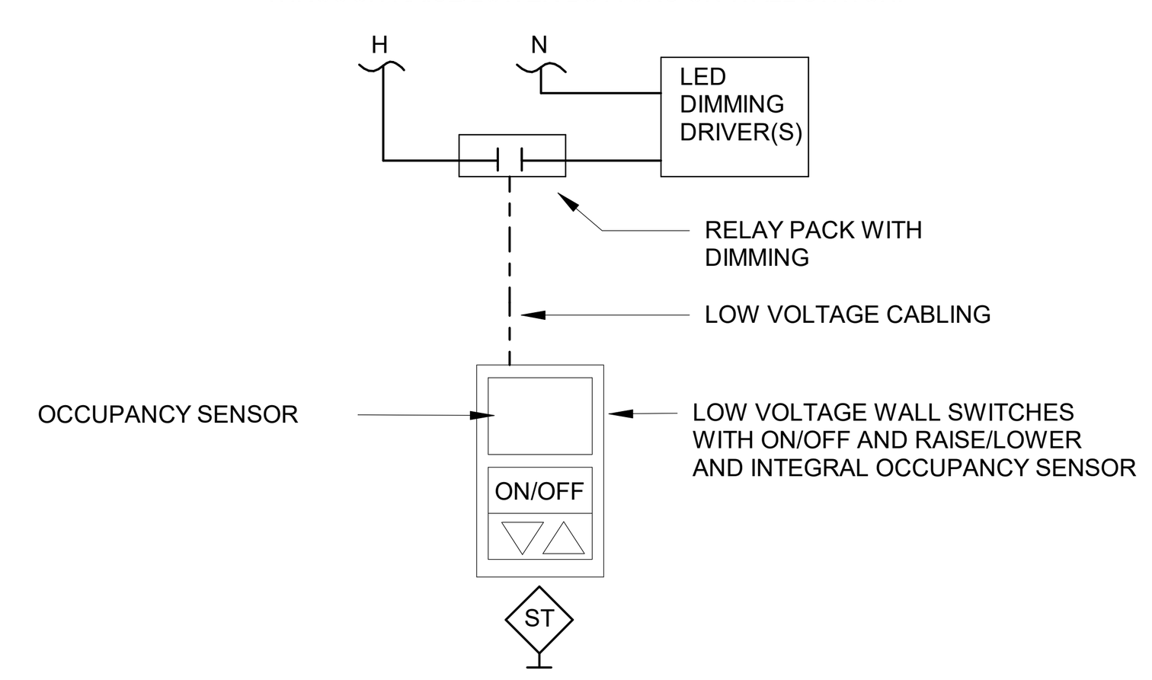
9 LIGHTING CONTROL - EMERGENCY/FIRE ALARM
NO SCALE

1. SYSTEM SHALL BE SET UP SUCH THAT LIGHTING IS SWITCHED ON BY OCCUPANCY SENSOR AND SWITCHED OFF AFTER 15 MINUTES OF VACANCY.
2. EMERGENCY FIXTURES SHALL OPERATE AS DESCRIBED ABOVE DURING NORMAL OPERATIONS. IN EMERGENCY SCENARIO OR WHEN FIRE ALARM IS TRIGGERED, FIXTURES WILL COME ON AT 100% POWER. THIS CAN BE ACHIEVED WITH FULL CIRCUIT GENERATOR TRANSFER DEVICE.

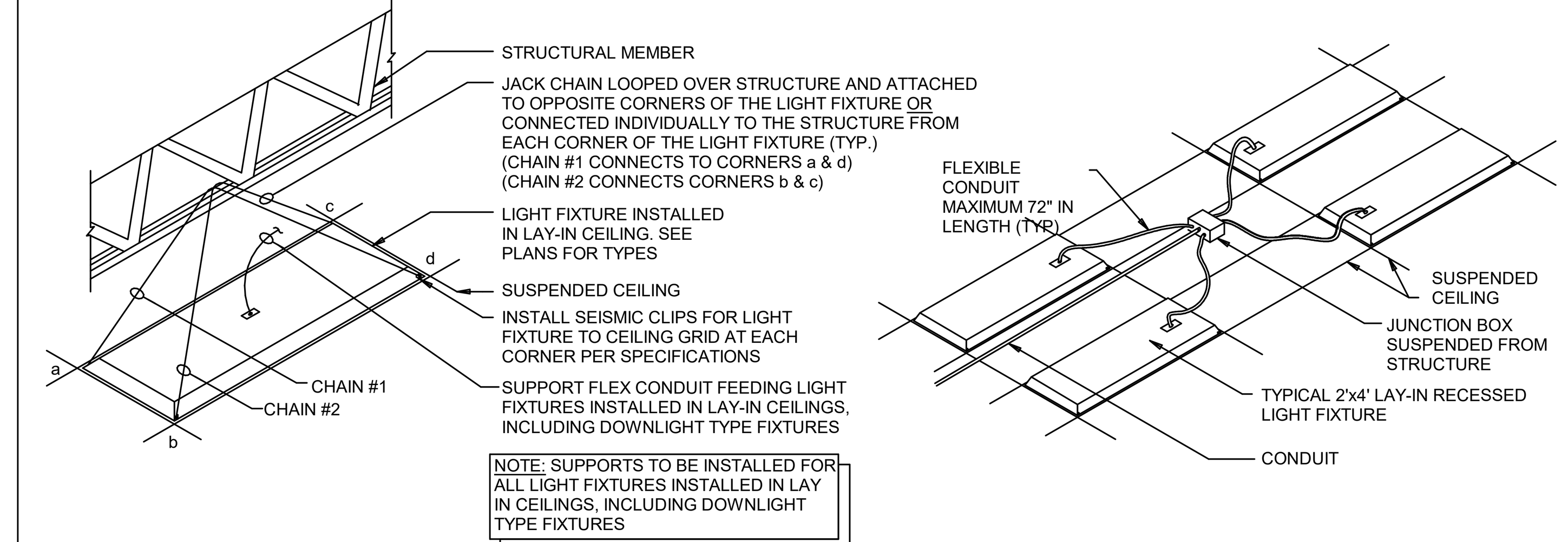


10 LIGHTING CONTROL - CORRIDOR
NO SCALE

1. SYSTEM SHALL BE SET UP SUCH THAT LIGHTING IS MANUALLY SWITCHED ON. LIGHTING IS THEN EITHER SWITCHED OFF MANUALLY OR BY OCCUPANCY SENSOR AFTER 15 MINUTES OF ROOM VACANCY.
2. ONCE LIGHTING IS SWITCHED ON, LIGHTS MAY BE DIMMED THROUGH RAISE/LOWER BUTTONS ON WALL SWITCH.



11 LIGHTING CONTROL - OFFICES
NO SCALE



12 RECESSED LIGHT FIXTURE SUPPORT
NO SCALE

LUMINAIRE SCHEDULE - GENERAL NOTES

1. SEE SPECIFICATIONS FOR DRIVER REQUIREMENTS.
2. FOR ALL DOWNLIGHTING FIXTURES, PROVIDE REQUIRED MOUNTING HARDWARE FOR MOUNTING IN LAY-IN TYPE CEILINGS.
3. CONTRACTOR TO VERIFY TYPES AND QUANTITY OF LIGHT FIXTURES REQUIRING EMERGENCY TRANSFER DEVICES AND PROVIDE REQUIRED QUANTITY OF EMERGENCY TRANSFER DEVICES, LABOR, MATERIAL, ETC. IN THE PROJECT BID FOR FIELD INSTALLATION OF EMERGENCY TRANSFER DEVICES.
4. LIGHT FIXTURE SUBMITTALS TO INCLUDE DATA SHEETS FOR ALL FIXTURE TYPES, INCLUDING ADDITIONAL DATA SHEETS FOR DRIVER COMBINATIONS REQUIRED TO MEET THE INSTALLATION REQUIREMENTS OF THE VARIOUS FIXTURE TYPES INDICATED IN THE REMARKS COLUMN OF THE FIXTURE SCHEDULES OR ON THE DRAWINGS. SUBMITTALS SHALL ALSO INDICATE COLOR FOR ANY CUSTOM COLOR LIGHT FIXTURES.

LUMINAIRE SCHEDULE

PLAN TYPE	MANUFACTURER/CATALOG	MOUNTING	LAMPS TYPE	LAMPS LUMENS	APPLIED VOLTAGE	DESCRIPTION	VA LOAD
LD61	HALO HC6 SERIES LITHONIA LDN6 SERIES PRESCOLITE LF6LED SERIES H.E. WILLIAMS 6CR SERIES	RECESSED	LED	1500 lm	277 V	6-INCH ROUND APERTURE OPEN REFLECTOR LED DOWNLIGHT, MEDIUM DISTRIBUTION, WHITE SPECULAR FINISH, WHITE FLANGE, SELF-FLANGED, 0-10VDC DIMMING, 4000K, BAR HANGER ACCESSORY.	22 VA
LD61X	HALO HC6 SERIES LITHONIA LDN6 SERIES PRESCOLITE LF6LED SERIES H.E. WILLIAMS 6CR SERIES	RECESSED	LED	1500 lm	277 V	6-INCH ROUND APERTURE OPEN REFLECTOR LED DOWNLIGHT, MEDIUM DISTRIBUTION, WHITE SPECULAR FINISH, WHITE FLANGE, SELF-FLANGED, 0-10VDC DIMMING, 4000K, BAR HANGER ACCESSORY. PROVIDE WITH EMERGENCY TRANSFER DEVICE COMPATIBLE WITH CENTRAL BATTERY INVERTER.	22 VA
LD81	HALO HC8 SERIES LITHONIA LDN8 SERIES MAXILUME HH8 SERIES H.E. WILLIAMS 8CR SERIES	RECESSED	LED	6000 lm	277 V	8-INCH ROUND APERTURE OPEN REFLECTOR LED DOWNLIGHT, MEDIUM DISTRIBUTION, WHITE SPECULAR FINISH, WHITE FLANGE, SELF-FLANGED, 0-10VDC DIMMING, 4000K, BAR HANGER ACCESSORY.	50 VA
LD81X	HALO HC8 SERIES LITHONIA LDN8 SERIES MAXILUME HH8 SERIES H.E. WILLIAMS 8CR SERIES	RECESSED	LED	6000 lm	277 V	8-INCH ROUND APERTURE OPEN REFLECTOR LED DOWNLIGHT, MEDIUM DISTRIBUTION, WHITE SPECULAR FINISH, WHITE FLANGE, SELF-FLANGED, 0-10VDC DIMMING, 4000K, BAR HANGER ACCESSORY. PROVIDE WITH EMERGENCY TRANSFER DEVICE COMPATIBLE WITH CENTRAL BATTERY INVERTER.	50 VA
LDW61	LITHONIA LDN6 SERIES PRESCOLITE LFR-6RD SH SERIES H.E. WILLIAMS 6DR SERIES PORTFOLIO LD6B SERIES	RECESSED	LED	1000 lm	277 V	6-INCH ROUND APERTURE LED SHOWER LIGHT WITH REGRESSED LENS REFLECTOR, WHITE REFLECTOR AND TRIM, SELF-FLANGED, IP65 WET LOCATION LISTED.	8 VA
LDW61X	LITHONIA LDN6 SERIES PRESCOLITE LFR-6RD SH SERIES H.E. WILLIAMS 6DR SERIES PORTFOLIO LD6B SERIES	RECESSED	LED	1000 lm	277 V	6-INCH ROUND APERTURE LED SHOWER LIGHT WITH REGRESSED LENS REFLECTOR, WHITE REFLECTOR AND TRIM, SELF-FLANGED, IP65 WET LOCATION LISTED.	8 VA
LE1X	LITHONIA AFB SERIES EVENLITE WEATHERWAY SERIES COMPASS CUW SERIES BIG BEAM EXCELITE SERIES	SURFACE WALL	LED	1000 lm	277 V	OUTDOOR EMERGENCY LIGHT FIXTURE, DIE-CAST ALUMINUM HOUSING, SELF-DIAGNOSTICS, WIRED NORMALLY OFF, EMERGENCY TRANSFER DEVICE COMPATIBLE WITH CENTRAL BATTERY INVERTER, WET LOCATION, 3200K, DARK BRONZE. MOUNT AT +8'-0" A.F.G UNLESS NOTED OTHERWISE	11 VA
LE2	LITHONIA DSXW2 SERIES GARDCO PWS SERIES McGRAW-EDISON GWC SERIES BEACON GEOPAK 2 SERIES CREE EDGE SERIES EVOLVE EWAS A SERIES (3)	SURFACE WALL	LED	10890 lm	277 V	WALL MOUNTED LED LUMINAIRE WITH DIE CAST ALUMINUM HOUSING, BOTTOM DIFFUSER FLUSH WITH THE DIE CASTING, TYPE 2 DISTRIBUTION, 4000K, 70 CRI LEDs, BLACK FINISH. MOUNT ONTO JUNCTION BOX. PROVIDE WITH INTEGRAL PHOTOCELL AND OCCUPANCY SENSOR. FIXTURES TO BE ON/OFF TO 50% BY PHOTOCELL AND INCREASED TO 100% WHEN FIXTURE IS ON. VANDAL RESISTANT.	110 VA
LE3	LITHONIA DSXW2 SERIES GARDCO PWS SERIES McGRAW-EDISON GWC SERIES BEACON GEOPAK 2 SERIES CREE EDGE SERIES EVOLVE EWAS A SERIES (3)	SURFACE WALL	LED	6200 lm	277 V	WALL MOUNTED LED LUMINAIRE WITH DIE CAST ALUMINUM HOUSING, BOTTOM DIFFUSER FLUSH WITH THE DIE CASTING, TYPE 2 DISTRIBUTION, 4000K, 70 CRI LEDs, BLACK FINISH. MOUNT ONTO JUNCTION BOX. PROVIDE WITH INTEGRAL PHOTOCELL AND OCCUPANCY SENSOR. FIXTURES TO BE ON/OFF TO 50% BY PHOTOCELL AND INCREASED TO 100% WHEN FIXTURE IS ON. VANDAL RESISTANT.	54 VA
LF1	LITHONIA CPX SERIES EATON METALUX CGT SERIES COLUMBIA CFP SERIES ABOVE ALL SBFLP SERIES	RECESSED	LED	3000 lm	277 V	1 BY 4-FOOT, BACK LIT FLAT PANEL WITH ALUMINUM FRAME, 4000K, 80+ CRI, 0-10V DIMMING.	27 VA
LF1X	LITHONIA CPX SERIES EATON METALUX CGT SERIES COLUMBIA CFP SERIES ABOVE ALL SBFLP SERIES	RECESSED	LED	3000 lm	277 V	1 BY 4-FOOT, BACK LIT FLAT PANEL WITH ALUMINUM FRAME, 4000K, 80+ CRI, 0-10V DIMMING. PROVIDE WITH TRANSFER DEVICE COMPATIBLE WITH CENTRAL BATTERY INVERTER.	27 VA
LF2	LITHONIA CPX SERIES EATON METALUX CGT SERIES COLUMBIA CFP SERIES ABOVE ALL SBFLP SERIES	RECESSED	LED	4000 lm	277 V	2 BY 4-FOOT, BACK LIT FLAT PANEL WITH ALUMINUM FRAME, 4000K, 80+ CRI, 0-10V DIMMING.	36 VA
LF2X	LITHONIA CPX SERIES EATON METALUX CGT SERIES COLUMBIA CFP SERIES ABOVE ALL SBFLP SERIES	RECESSED	LED	4000 lm	277 V	2 BY 4-FOOT, BACK LIT FLAT PANEL WITH ALUMINUM FRAME, 4000K, 80+ CRI, 0-10V DIMMING. PROVIDE WITH TRANSFER DEVICE COMPATIBLE WITH CENTRAL BATTERY INVERTER.	36 VA
LN4	LUMENWERX VIA 4 SERIES MARK ARCHITECTURAL SLOT 4 SERIES LITECONTROL MOD 4 LED SERIES ALW LIGHTPLANE+ 4 SERIES (3)	SUSPENDED	LED	3900 lm	277 V	LENGTH AS INDICATED BY 4" SLOT TYPE INDIRECT/DIRECT PENDANT HUNG FIXTURE. ONE PERCENT DIMMING, HIGH LUMEN OUTPUT, SQUARE CANOPY, AIR CRAFT CABLE SUSPENSION AND WHITE POWER CORD. MOUNT AT 8'-6" ABOVE FINISH FLOOR UNLESS NOTED OTHERWISE.	36 VA

LUMINAIRE SCHEDULE

PLAN TYPE	MANUFACTURER/CATALOG	MOUNTING	LAMPS TYPE	LAMPS LUMENS	APPLIED VOLTAGE	DESCRIPTION	VA LOAD
LN4X	LUMENWERX VIA 4 SERIES MARK ARCHITECTURAL SLOT 4 SERIES LITECONTROL MOD 4 LED SERIES ALW LIGHTPLANE+ 4 SERIES	SUSPENDED	LED	3900 lm	277 V	LENGTH AS INDICATED BY 4" SLOT TYPE INDIRECT/DIRECT PENDANT HUNG FIXTURE. ONE PERCENT DIMMING, HIGH LUMEN OUTPUT, SQUARE CANOPY, AIR CRAFT CABLE SUSPENSION AND WHITE POWER CORD. MOUNT AT 8'-6" ABOVE FINISH FLOOR UNLESS NOTED OTHERWISE. PROVIDE WITH EMERGENCY TRANSFER DEVICE COMPATIBLE WITH CENTRAL BATTERY INVERTER.	36 VA
LR4	METALUX WNLED SERIES (3) LITHONIA SBL SERIES COLUMBIA LAW SERIES H.E. WILLIAMS 17 SERIES	SUSPENDED	LED	6000 lm	277 V	4-FOOT WRAP LED AROUND FIXTURE, ACRYLIC PRISMATIC DIFFUSER, 0-10VDC DIMMING. IF SUSPENDED, INSTALL AT 8-FOOT AFF WITH CONDUIT STEMS (UNO).	55 VA
LR4X	METALUX WNLED SERIES LITHONIA SBL SERIES COLUMBIA LAW SERIES H.E. WILLIAMS 17 SERIES	SUSPENDED	LED	6000 lm	277 V	4-FOOT WRAP LED AROUND FIXTURE, ACRYLIC PRISMATIC DIFFUSER, 0-10VDC DIMMING, WITH EMERGENCY TRANSFER DEVICE COMPATIBLE WITH CENTRAL BATTERY INVERTER. IF SUSPENDED, INSTALL AT 8-FOOT AFF WITH CONDUIT STEMS (UNO).	55 VA
LT8	SPI LIGHTRUSS LED SERIES PROVIDE AN ALLOWANCE OF $375,000 FOR MATERIAL ONLY. ADD LABOR REQUIRED FOR INSTALLATION. CONTACT BRUCE FELDMAN WITH SPECIFIED LIGHITNG (317)-313-7441 WITH ANY QUESTIONS.	TRUSS	LED	109807 lm	277 V	LIGHTRUSS GEN 2 LED 33.5" FIXTURE HEAD. 33.5" TRUSS SYSTEM, 7' LONG TRUSS SECTIONS, 4000K, 0-10V DIMMING, INSTALL WITH AN 8 DEGREE TILT.	866 VA
LT8X	SPI LIGHTRUSS LED SERIES REFER TO FIXTURE TYPE LT8 FOR ALLOWANCE TOTAL FOR MATERIAL ONLY. ADD LABOR REQUIRED FOR INSTALLATION CONTACT BRUCE FELDMAN WITH SPECIFIED LIGHITNG (317)-313-7441 WITH ANY QUESTIONS.	TRUSS	LED	109807 lm	277 V	LIGHTRUSS GEN 2 LED 33.5" FIXTURE HEAD. 33.5" TRUSS SYSTEM, 7' LONG TRUSS SECTIONS, 4000K, 0-10V DIMMING, INSTALL WITH AN 8 DEGREE TILT. PROVIDE WITH EMERGENCY TRANSFER DEVICE COMPATIBLE WITH CENTRAL BATTERY INVERTER.	866 VA
LWBS2X	METALUX SWLED SERIES LITHONIA WL4 SERIES COLUMBIA MPS SERIES H.E WILLIAMS SLF SERIES	SURFACE WALL	LED	3800 lm	277 V	4-FOOT WALL BRACKET TYPE LED STAIRWELL FIXTURE, FROSTED ACRYLIC LENS, INTEGRAL OCCUPANCY SENSOR,4000K, 80+ CRI, BLACK FINISH. PROVIDE WITH DRIVER AS REQUIRED FOR AUTOMATIC DIMMING TO 50% OUTPUT DURING UNOCCUPIED TIMES. PROVIDE WITH TRANSFER DEVICE COMPATIBLE WITH CENTRAL BATTERY INVERTER.	32 VA
LWBS2XA	METALUX SWLED SERIES LITHONIA WL4 SERIES COLUMBIA MPS SERIES H.E WILLIAMS SLF SERIES (3)	SURFACE WALL	LED	3800 lm	120 V	4-FOOT WALL BRACKET TYPE LED STAIRWELL FIXTURE, FROSTED ACRYLIC LENS, INTEGRAL OCCUPANCY SENSOR,4000K, 80+ CRI, BLACK FINISH. PROVIDE WITH DRIVER AS REQUIRED FOR AUTOMATIC DIMMING TO 50% OUTPUT DURING UNOCCUPIED TIMES. PROVIDE WITH EMERGENCY BATTERY INVERTER.	32 VA
TL1	CONTECH TLT SERIES KLUS DESIGN STRIP LED ACOLYTE MICRO RIBBONLYTE SERIES ACCLAIM FLEX ONE SERIES	SURFACE	LED	248 lm	277 V	LED TAPE LIGHT, 12V POWER SUPPLY, CUTTABLE, 0-10V DIMMING. LUMENS AND WATTAGE ARE PER FOOT.	2 VA
XC	SURE-LITES CX SERIES BIG BEAM DCL SERIES LITHONIA SIGNATURE SERIES DUAL-LITE SEMPRA SERIES	SURFACE CEILING	RED LED	0 lm	277 V	CAST ALUMINUM AC ONLY EXIT SIGN, SINGLE FACE, DIRECTIONAL ARROWS INDICATED, WHITE HOUSING. REFER TO PROJECT MANUAL FOR ADDITIONAL REQUIREMENTS.	3 VA
XVC	SURE-LITES UX SERIES CHLORIDE 60 LINE SERIES LITHONIA LV SERIES DUAL-LITE SEWL SERIES	SURFACE CEILING	RED LED	0 lm	277 V	CAST ALUMINUM, VANDAL RESISTANT AC ONLY EXIT SIGN, SINGLE FACE, DIRECTIONAL ARROWS INDICATED, WHITE HOUSING, LISTED FOR WET LOCATIONS. REFER TO PROJECT MANUAL FOR ADDITIONAL REQUIREMENTS.	3 VA
XVW	SURE-LITES UX SERIES CHLORIDE 60 LINE SERIES LITHONIA LV SERIES DUAL-LITE SEWL SERIES	SURFACE WALL	RED LED	0 lm	277 V	CAST ALUMINUM, VANDAL RESISTANT AC ONLY EXIT SIGN, SINGLE FACE, DIRECTIONAL ARROWS INDICATED, WHITE HOUSING, LISTED FOR WET LOCATIONS. REFER TO PROJECT MANUAL FOR ADDITIONAL REQUIREMENTS.	3 VA
XW	SURE-LITES CX SERIES BIG BEAM DCL SERIES LITHONIA SIGNATURE SERIES DUAL-LITE SEMPRA SERIES	SURFACE WALL	RED LED	0 lm	277 V	CAST ALUMINUM AC ONLY EXIT SIGN, SINGLE FACE, DIRECTIONAL ARROWS INDICATED, WHITE HOUSING. REFER TO PROJECT MANUAL FOR ADDITIONAL REQUIREMENTS.	3 VA

JEFFERSONVILLE HIGH SCHOOL NATATORIUM

2315 ALLISON LN.
JEFFERSONVILLE, IN 47130

GREATER CLARK COUNTY SCHOOLS

GCCS

ARCHITECT

FANNING HOWEY
(317) 848-0966 WWW.FHAI.COM
350 E NEW YORK ST, SUITE 300 INDIANAPOLIS, IN 46204

ISSUED FOR CONSTRUCTION

BRIAN W. BUTLER REGISTERED No. PE 11600305 STATE OF INDIANA PROFESSIONAL ENGINEER

DRAWN BY: AMN
PROJECT NUMBER: 222038.00
PROJECT ISSUE DATE: 11/20/2023

REV. NO.	DESCRIPTION	DATE
1	ADDENDUM #1	12/21/2023
3	ADDENDUM #3	1/18/2024

ELECTRICAL DETAILS

E1.02

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UNIT A - FIRST FLOOR LIGHTING CEILING PLAN

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

ROOM LEGEND - FIRST FLOOR UNIT A		
ROOM NO.	ROOM NAME	AREA (SF)
A101	VESTIBULE	282 SF
A102	LOBBY	3084 SF
A103	VESTIBULE	418 SF
A104	ELEVATOR	85 SF
A105	ELEVATOR MACHINE ROOM	48 SF
A106	ELECTRICAL	77 SF
A107	JANITOR	40 SF
A108	TECHNOLOGY	48 SF
A109	HALL OF CHAMPIONS	738 SF
A110	CORRIDOR	269 SF
A111	FACILITIES	195 SF
A112	STORAGE	58 SF
A113	RESTROOM	348 SF
A114	RESTROOM	363 SF
A115	ALCOVE	Not Placed
A116	CONCESSIONS	438 SF
A118	TEAM	1180 SF
A119	STORAGE	160 SF
A120	COMPETITION POOL DECK	3647 SF
A121	COMPETITION POOL	2711 SF
A122	THERAPY POOL	886 SF
A123	POOL EQUIPMENT	1585 SF
A124	STORAGE	87 SF
A125	STORAGE	87 SF
A126	STAIR A	191 SF
A127	ALCOVE	53 SF

GENERAL NOTES - LIGHTING

1. GENERATOR TRANSFER DEVICE TO TAKE FIXTURE TO 100% IN EMERGENCY CONDITION.
2. FINALCONNECTION TO RECESSED LUMINAIRES SHALL BE WITH FLEXIBLE METALLIC CONDUIT, MC CABLE OR MANUFACTURED WIRING SYSTEM.
3. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR LOCATION OF LUMINAIRES. COORDINATE LOCATION OF LUMINAIRES, LOUDSPEAKERS, DIFFUSERS, GRILLES, AND OTHER CEILING INSTALLED ELEMENTS WITH THEIR RESPECTIVE INSTALLERS.
4. REFER TO ARCHITECTURAL REFLECTED CEILING PLAN AND ROOM FINISH SCHEDULE TO DETERMINE PROPER TYPE OF LUMINAIRE TRIM REQUIRED FOR CEILING TYPE PRIOR TO ORDERING LUMINAIRES. PROVIDE LUMINAIRES COMPATIBLE WITH CEILING TYPE.
5. RECESSED LUMINAIRE IN GRID CEILING SYSTEMS SHALL BE PROVIDED WITH SEISMIC CLIPS OR PROVIDE ATTACHMENT TO CEILING GRID SYSTEM AND SUPPORTED PER PROJECT MANUAL AND DETAIL "12E1.02".
6. LUMINAIRE TYPE IS SHOWN ONLY ONCE, AS "TYP." IN EVERY ROOM. PROVIDE SAME TYPE OF LUMINAIRE THROUGH-OUT SAME ROOM UNLESS OTHERWISE INDICATED.
7. PROVIDE NO. 10 AWG, MINIMUM, CONDUCTORS FOR EXIT SIGNS AND SECURITY LIGHT CIRCUITS.

KEYNOTES	
L1	ALL CONDUITS AND BOXES IN THE POOL AND POOL EQUIPMENT SPACES ARE TO BE PAINTED ALUMINUM RATED FOR POOL ROOMS.
L4	MOUNT STAIRWELL LIGHT FIXTURES AT +8'-0" ABOVE STAIRWELL TREAD.
L5	CONNECT EXTERIOR LIGHTING CIRCUITS THROUGH THE LIGHTING CONTACTOR. CONNECT CONTACTOR TO BMS SYSTEM FOR CONTROL OF EXTERIOR LIGHTING. PROGRAM PER OWNER REQUIREMENTS.
L8	PROVIDE LR4 TYPE LIGHT FIXTURES IN THE TOP COMPARTMENT OF THE DISPLAY CASE. CONNECT TO CORRIDOR OCCUPANCY SENSORS. PROVIDE A 0-10V DIMMER FOR THESE FIXTURES AND DIM PER OWNER REQUIREMENTS.
L9	PROVIDE TLT TYPE LIGHT FIXTURE IN THE TAPELIGHT SLOT AT THE BOTTOM OF THE DISPLAY CASE. CONNECT TO CORRIDOR OCCUPANCY SENSORS. PROVIDE A 0-10V DIMMER FOR THE TAPELIGHT AND DIM PER OWNER REQUIREMENTS.

JEFFERSONVILLE HIGH SCHOOL NATATORIUM

2315 ALLISON LN.
JEFFERSONVILLE, IN 47130

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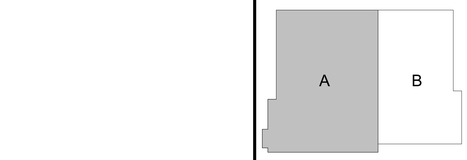

KEY PLAN

ISSUED FOR CONSTRUCTION

BRIAN W. BUTLER REGISTERED No. PE10800 STATE OF INDIANA PROFESSIONAL ENGINEER

DRAWN BY: AMN

PROJECT NUMBER: 222038.00

PROJECT ISSUE DATE: 11/20/2023

REV. NO.	DESCRIPTION	DATE
3	ADDENDUM #3	1/16/2024

UNIT A - FIRST FLOOR LIGHTING PLAN

E4.01

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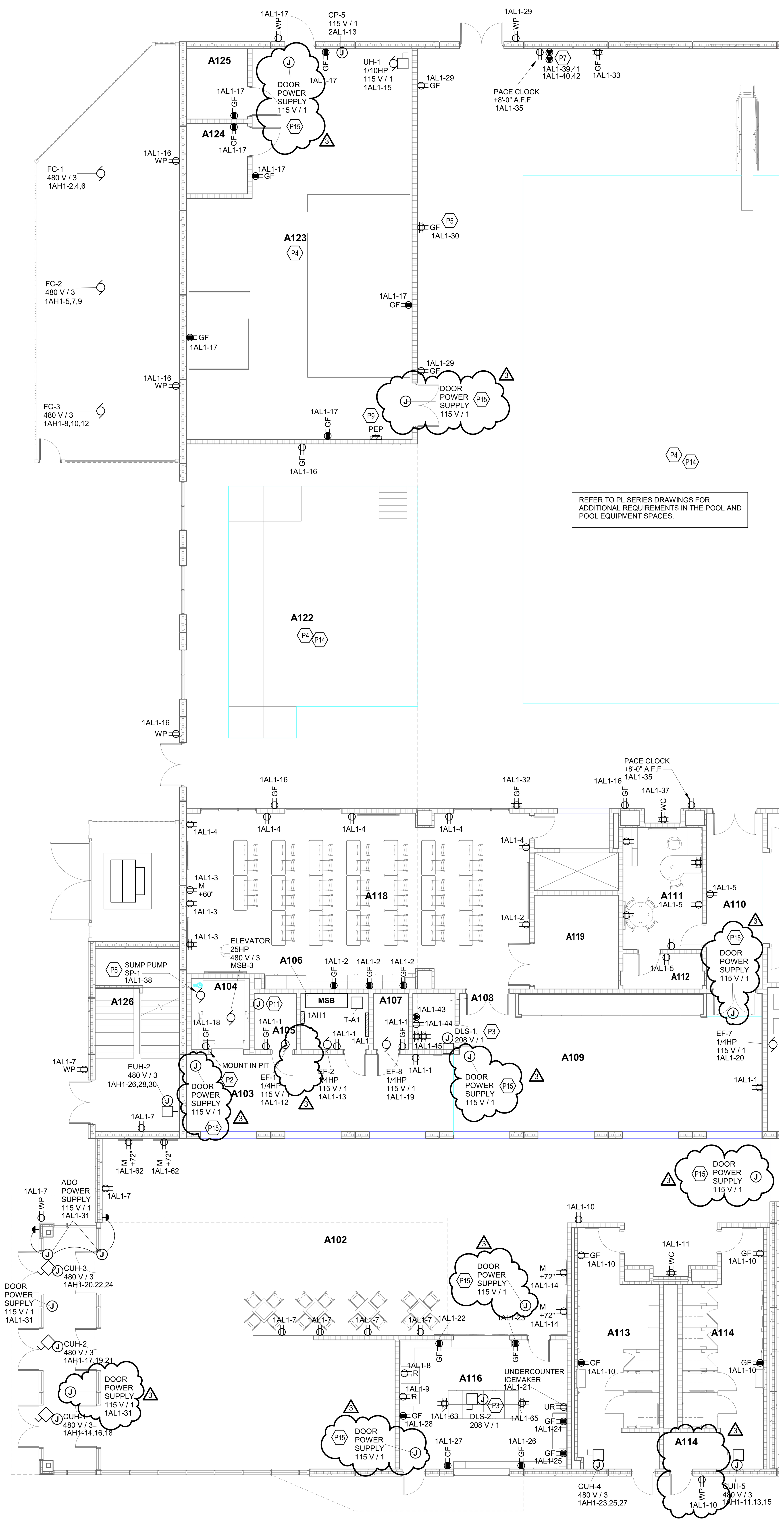

UNIT A - FIRST FLOOR POWER PLAN

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

ROOM LEGEND - FIRST FLOOR UNIT A		
ROOM NO.	ROOM NAME	AREA (SF)
A101	VESTIBULE	282 SF
A102	LOBBY	3084 SF
A103	VESTIBULE	418 SF
A104	ELEVATOR	85 SF
A105	ELEVATOR MACHINE ROOM	48 SF
A106	ELECTRICAL	77 SF
A107	JANITOR	40 SF
A108	TECHNOLOGY	48 SF
A109	HALL OF CHAMPIONS	738 SF
A110	CORRIDOR	269 SF
A111	FACILITIES	195 SF
A112	STORAGE	58 SF
A113	RESTROOM	348 SF
A114	RESTROOM	363 SF
A115	ALCOVE	Not Placed
A116	CONCESSIONS	438 SF
A118	TEAM	1180 SF
A119	STORAGE	160 SF
A120	COMPETITION POOL DECK	3647 SF
A121	COMPETITION POOL	2711 SF
A122	THERAPY POOL	886 SF
A123	POOL EQUIPMENT	1585 SF
A124	STORAGE	87 SF
A125	STORAGE	87 SF
A126	STAIR A	191 SF
A127	ALCOVE	53 SF

GENERAL NOTES - POWER

1. PROVIDE REVISED TYPED PANELBOARD DIRECTORIES FOR EACH PANELBOARD ADDED OR MODIFIED DURING CONSTRUCTION. FIELD VERIFY EXISTING CIRCUIT INFORMATION WITH OWNER'S ASSISTANCE TO ENSURE FINAL DIRECTORY IS ACCURATE. UNUSED SPARE BREAKERS SHALL BE IN THE OFF POSITION.
2. VIDEO PROJECTOR RECEPTACLE TO BE MOUNTED ABOVE WALL MOUNTED PROJECTOR BRACKET, 96" A.F.F. UNO.
3. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CLEARANCES AND ALL EXISTING FIELD CONDITIONS BEFORE STARTING CONSTRUCTION. COMMENCEMENT OF WORK CONSTITUTES ACCEPTANCE OF CONDITIONS. SHOULD DIFFERENT CONDITIONS BE ENCOUNTERED, CONTACT THE ARCHITECT BEFORE PROCEEDING WITH WORK.
4. LABEL EACH RECEPTACLE WITH THE PANEL NAME AND CIRCUIT NUMBER ON THE FACE OF EACH COVER PLATE WITH A TYPED LAMINATED LABEL.
5. PROVIDE "GFCI PROTECTED" LABEL ON COVER PLATE FOR ANY GFCI PROTECTED DEVICE.
6. CONTRACTOR SHALL INCREASE CIRCUIT CONDUCTOR SIZE TO COMPENSATE FOR VOLTAGE DROP DUE TO EXCESSIVE CIRCUIT LENGTHS. IN NO CASE SHALL VOLTAGE DROP EXCEED NFPA 70 (N.E.C.) REQUIREMENTS.
7. REFER TO MECHANICAL PLANS FOR LOCATION OF MECHANICAL EQUIPMENT. LOCATE DISCONNECT SWITCHES PER NEC.
8. REFER TO "CONTROL SCHEMATICS" MECHANICAL DRAWINGS FOR ADDITIONAL CONTROL WIRING AND CONTROL CONNECTIONS.
9. ALL DEVICES, EQUIPMENT, FIXTURES, AND THE LIKE, SHALL BE BONDED WITH A PROPERLY SIZED EQUIPMENT GROUNDING CONDUCTOR. MAINTAIN MECHANICAL/ELECTRICAL BONDS OF METALLIC RACEWAY SYSTEM.

KEYNOTES	
P2	CONNECT ELEVATOR PIT RECEPTACLE TO THE LIGHT SWITCH IN THE ELEVATOR PIT, SUCH THAT THE RECEPTACLE IS CONTROLLED BY THE SWITCH.
P3	CONNECT DLS TO THE MATCHING DLSCU ON THE ROOF OF UNIT B. CONNECT MATCHING THE CONDUIT AND WIRE SIZES SERVING THE DLSCU UNIT.
P4	ALL CONDUITS AND BOXES IN THE POOL AND POOL EQUIPMENT SPACES ARE TO BE PAINTED ALUMINUM RATED FOR POOL ROOMS.
P5	PROVIDE RECEPTACLE WITHIN THE CAMARA CABINET ALONG THIS WALL. COORDINATE EXACT INSTALLATION LOCATION WITH OTHER TRADES.
P7	PROVIDE RECORD BOARD RECEPTACLES PER DETAIL 1/PL6.2. CONNECT EACH RECEPTACLE TO A DEDICATED CIRCUIT SHOWN. PROVIDE A MEANS OF DISCONNECT AT THE RECORD BOARD, HIDDEN FROM VIEW. PROVIDE ADDITIONAL GROUNDING FOR THE RECORD BOARD PER MANUFACTURERS REQUIREMENTS.
P8	CONNECT ELEVATOR SUMP PUMP TO CONTROLLER IN ROOM A106.
P9	POOL EQUIPMENT PANEL, PEP, PROVIDED BY POOL EUIPMENT CONTRACTOR. INSTALL PANEL AND ALL CONNECTIONS POOL EQUIPMENT PER LAYOUT SHOWN ON A/PL4.0 AND ELECTRICAL SCHEMATIC B/PL4.0. PROVIDE CONDUIT AND WIRE SIZE PER POOL EQUIPMENT SPECIFICATIONS AND DIVISION 13 SPECIFICATIONS.
P11	PROVIDE ELEVATOR CONTROLLER CONNECTIONS AS REQUIRED BY ELEVATOR MANUFACTURER. COORDINATE OTHER POWER NEEDS IN THE CONTROL ROOM AND CONNECT TO SPARE CIRCUITS IN ROOM A107.
P14	PROVIDE A GROUND MESH FOR THE POOL CONNECTED BACK TO THE MAIN GROUNDING BUSBAR IN ROOM A106. PROVIDE GROUNDING GRID PER REQUIREMENTS IN NEC 680.
P15	CONNECT DOOR POWER SUPPLY TO THE NEAREST AVAILABLE RECEPTACLE CIRCUIT.

3

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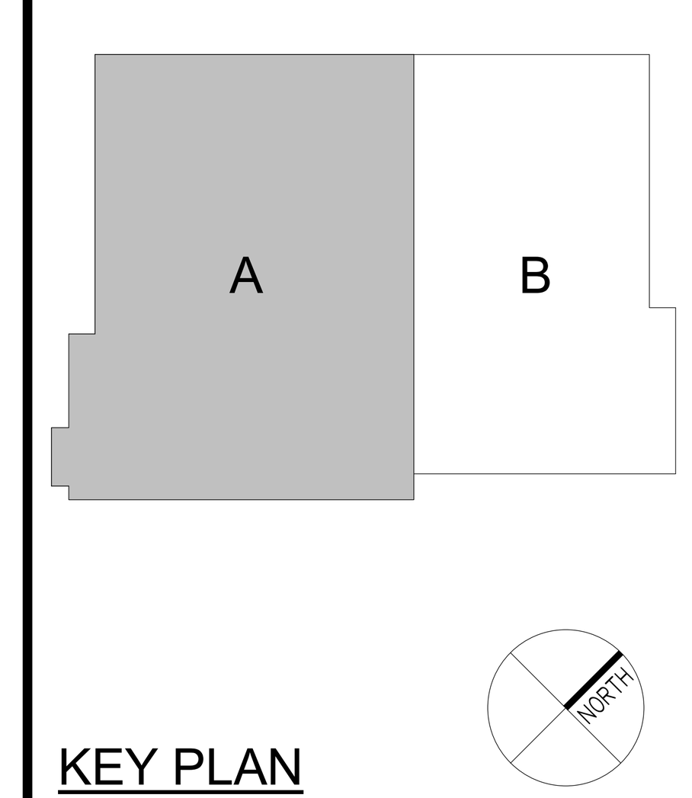


KEY PLAN

ISSUED FOR CONSTRUCTION

BRIAN W. BUTLER REGISTERED No. PE 11600305 STATE OF INDIANA PROFESSIONAL ENGINEER

DRAWN BY: AMN

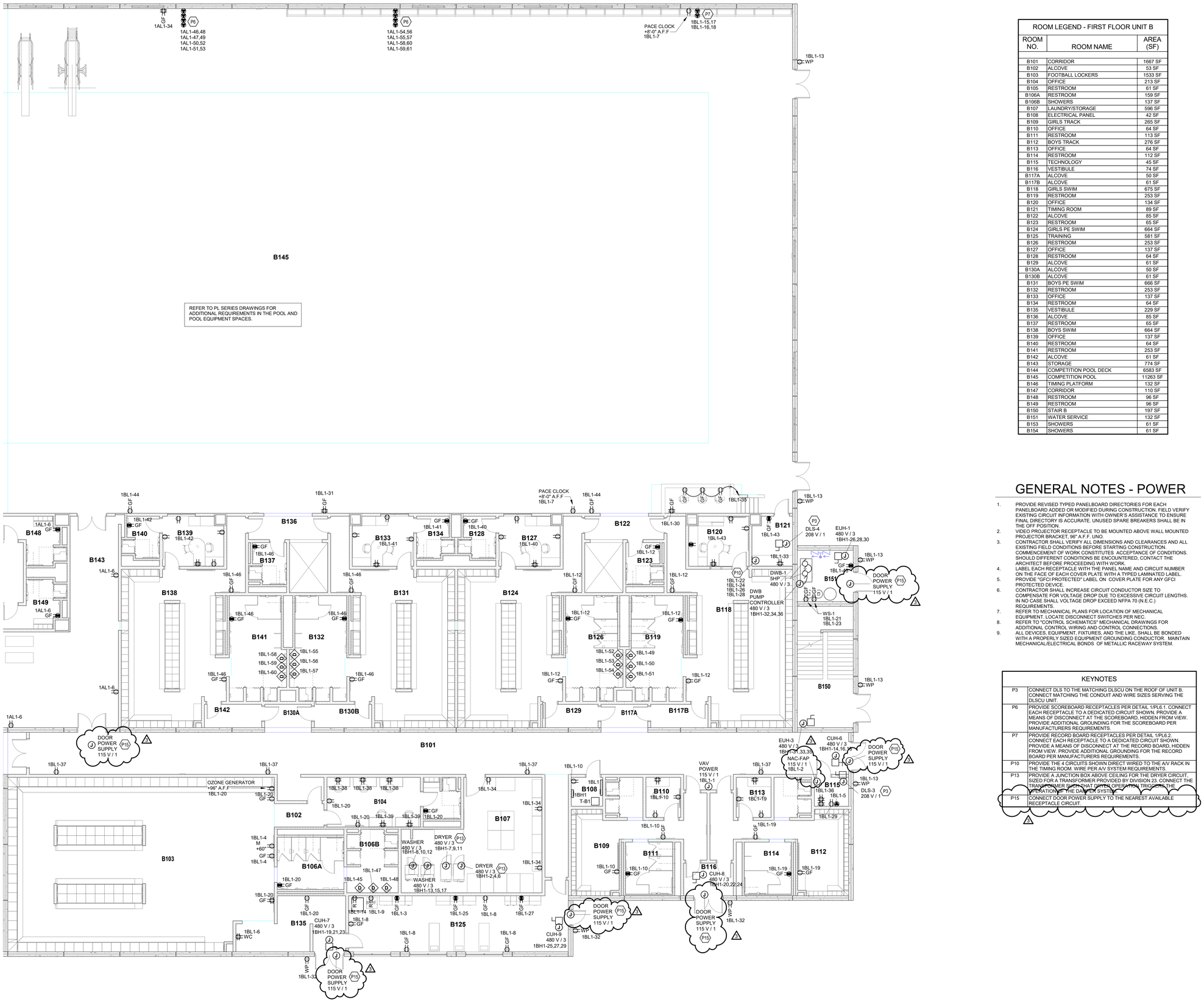
PROJECT NUMBER: 222038.00

PROJECT ISSUE DATE: 11/20/2023

REV. NO.	DESCRIPTION	DATE
3	ADDENDUM #3	1/18/2024

UNIT A - FIRST FLOOR POWER PLAN

E5.01



UNIT B - FIRST FLOOR POWER PLAN

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

ROOM LEGEND - FIRST FLOOR UNIT B		
ROOM NO.	ROOM NAME	AREA (SF)
B101	CORRIDOR	1667 SF
B102	ALCOVE	53 SF
B103	FOOTBALL LOCKERS	1533 SF
B104	OFFICE	213 SF
B105	RESTROOM	61 SF
B106A	RESTROOM	159 SF
B106B	SHOWERS	137 SF
B107	LAUNDRY/STORAGE	596 SF
B108	ELECTRICAL PANEL	42 SF
B109	GIRLS TRACK	265 SF
B110	OFFICE	64 SF
B111	RESTROOM	113 SF
B112	BOYS TRACK	276 SF
B113	OFFICE	64 SF
B114	RESTROOM	112 SF
B115	TECHNOLOGY	45 SF
B116	VESTIBULE	74 SF
B117A	ALCOVE	50 SF
B117B	ALCOVE	61 SF
B118	GIRLS SWIM	675 SF
B119	RESTROOM	253 SF
B120	OFFICE	134 SF
B121	TIMING ROOM	89 SF
B122	ALCOVE	85 SF
B123	RESTROOM	65 SF
B124	GIRLS PE SWIM	664 SF
B125	TRAINING	581 SF
B126	RESTROOM	253 SF
B127	OFFICE	137 SF
B128	RESTROOM	64 SF
B129	ALCOVE	61 SF
B130A	ALCOVE	50 SF
B130B	ALCOVE	61 SF
B131	BOYS PE SWIM	666 SF
B132	RESTROOM	253 SF
B133	OFFICE	137 SF
B134	RESTROOM	64 SF
B135	VESTIBULE	229 SF
B136	ALCOVE	85 SF
B137	RESTROOM	65 SF
B138	BOYS SWIM	664 SF
B139	OFFICE	137 SF
B140	RESTROOM	64 SF
B141	RESTROOM	253 SF
B142	ALCOVE	61 SF
B143	STORAGE	774 SF
B144	COMPETITION POOL DECK	6583 SF
B145	COMPETITION POOL	11263 SF
B146	TIMING PLATFORM	132 SF
B147	CORRIDOR	110 SF
B148	RESTROOM	96 SF
B149	RESTROOM	96 SF
B150	STAIR B	197 SF
B151	WATER SERVICE	132 SF
B153	SHOWERS	61 SF
B154	SHOWERS	61 SF

GENERAL NOTES - POWER

1. PROVIDE REVISED TYPED PANELBOARD DIRECTORIES FOR EACH PANELBOARD ADDED OR MODIFIED DURING CONSTRUCTION. FIELD VERIFY EXISTING CIRCUIT INFORMATION WITH OWNER'S ASSISTANCE TO ENSURE FINAL DIRECTORY IS ACCURATE. UNUSED SPARE BREAKERS SHALL BE IN THE OFF POSITION.
2. VIDEO PROJECTOR RECEPTACLE TO BE MOUNTED ABOVE WALL MOUNTED PROJECTOR BRACKET, 96" A.F.F. UNO.
3. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CLEARANCES AND ALL EXISTING FIELD CONDITIONS BEFORE STARTING CONSTRUCTION. COMMENCEMENT OF WORK CONSTITUTES ACCEPTANCE OF CONDITIONS. SHOULD DIFFERENT CONDITIONS BE ENCOUNTERED, CONTACT THE ARCHITECT BEFORE PROCEEDING WITH WORK.
4. LABEL EACH RECEPTACLE WITH THE PANEL NAME AND CIRCUIT NUMBER ON THE FACE OF EACH COVER PLATE WITH A TYPED LAMINATED LABEL.
5. PROVIDE "GFCI PROTECTED" LABEL ON COVER PLATE FOR ANY GFCI PROTECTED DEVICE.
6. CONTRACTOR SHALL INCREASE CIRCUIT CONDUCTOR SIZE TO COMPENSATE FOR VOLTAGE DROP DUE TO EXCESSIVE CIRCUIT LENGTHS. IN NO CASE SHALL VOLTAGE DROP EXCEED NFPA 70 (N.E.C.) REQUIREMENTS.
7. REFER TO MECHANICAL PLANS FOR LOCATION OF MECHANICAL EQUIPMENT. LOCATE DISCONNECT SWITCHES PER NEC.
8. REFER TO "CONTROL SCHEMATICS" MECHANICAL DRAWINGS FOR ADDITIONAL CONTROL WIRING AND CONTROL CONNECTIONS.
9. ALL DEVICES, EQUIPMENT, FIXTURES, AND THE LIKE, SHALL BE BONDED WITH A PROPERLY SIZED EQUIPMENT GROUNDING CONDUCTOR. MAINTAIN MECHANICAL/ELECTRICAL BONDS OF METALLIC RACEWAY SYSTEM.

KEYNOTES	
P3	CONNECT DLS TO THE MATCHING DLSCU ON THE ROOF OF UNIT B. CONNECT MATCHING THE CONDUIT AND WIRE SIZES SERVING THE DLSCU UNIT.
P6	PROVIDE SCOREBOARD RECEPTACLES PER DETAIL 1/PL6.1. CONNECT EACH RECEPTACLE TO A DEDICATED CIRCUIT SHOWN. PROVIDE A MEANS OF DISCONNECT AT THE SCOREBOARD, HIDDEN FROM VIEW. PROVIDE ADDITIONAL GROUNDING FOR THE SCOREBOARD PER MANUFACTURERS REQUIREMENTS.
P7	PROVIDE RECORD BOARD RECEPTACLES PER DETAIL 1/PL6.2. CONNECT EACH RECEPTACLE TO A DEDICATED CIRCUIT SHOWN. PROVIDE A MEANS OF DISCONNECT AT THE RECORD BOARD, HIDDEN FROM VIEW. PROVIDE ADDITIONAL GROUNDING FOR THE RECORD BOARD PER MANUFACTURERS REQUIREMENTS.
P10	PROVIDE THE 4 CIRCUITS SHOWN DIRECT WIRED TO THE A/V RACK IN THE TIMING ROOM. WIRE PER A/V SYSTEM REQUIREMENTS.
P13	PROVIDE A JUNCTION BOX ABOVE CEILING FOR THE DRYER CIRCUIT, SIZED FOR A TRANSFORMER PROVIDED BY DIVISION 23. CONNECT THE TRANSFORMER SUCH THAT DATA OPERATION TRIGGERS THE OPERATION OF THE DRYER SYSTEM.
P15	CONNECT DOOR POWER SUPPLY TO THE NEAREST AVAILABLE RECEPTACLE CIRCUIT.

JEFFERSONVILLE HIGH SCHOOL NATATORIUM

2315 ALLISON LN.
JEFFERSONVILLE, IN 47130

GREATER CLARK COUNTY SCHOOLS

GCCS

ARCHITECT

FANNING HOWEY

(317) 848-0966 WWW.FHAI.COM
350 E NEW YORK ST, SUITE 300 INDIANAPOLIS, IN 46204

A B

KEY PLAN

NORTH

ISSUED FOR CONSTRUCTION

PROFESSIONAL ENGINEER BRIAN W. BUTLER REGISTERED No. PE19800 STATE OF INDIANA

DRAWN BY: AMN

PROJECT NUMBER: 222038.00

PROJECT ISSUE DATE: 11/20/2023

REV. NO.	DESCRIPTION	DATE
3	ADDENDUM #3	1/18/2024

UNIT B - FIRST FLOOR POWER PLAN

E5.02

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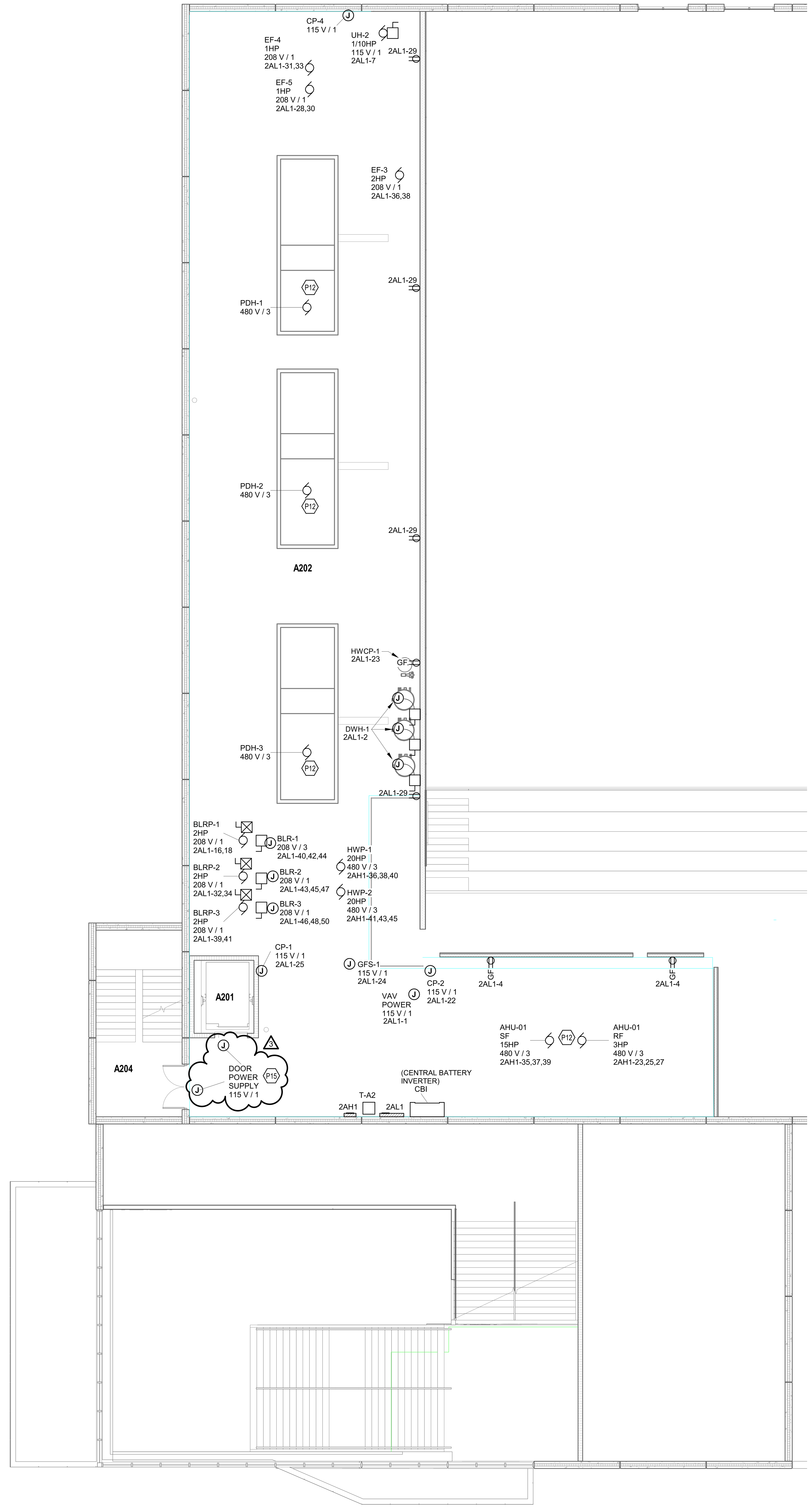

UNIT A - EQUIPMENT PLATFORM POWER PLAN

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

ROOM LEGEND - MEZZANINE UNIT A		
ROOM NO.	ROOM NAME	AREA (SF)
A201	ELEVATOR	85 SF
A202	POOL MECHANICAL	5506 SF
A204	STAIR A	312 SF

GENERAL NOTES - POWER

1. PROVIDE REVISED TYPED PANELBOARD DIRECTORIES FOR EACH PANELBOARD ADDED OR MODIFIED DURING CONSTRUCTION. FIELD VERIFY EXISTING CIRCUIT INFORMATION WITH OWNER'S ASSISTANCE TO ENSURE FINAL DIRECTORY IS ACCURATE. UNUSED SPARE BREAKERS SHALL BE IN THE OFF POSITION.
2. VIDEO PROJECTOR RECEPTACLE TO BE MOUNTED ABOVE WALL MOUNTED PROJECTOR BRACKET, 96" A.F.F. UNO.
3. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CLEARANCES AND ALL EXISTING FIELD CONDITIONS BEFORE STARTING CONSTRUCTION. COMMENCEMENT OF WORK CONSTITUTES ACCEPTANCE OF CONDITIONS. SHOULD DIFFERENT CONDITIONS BE ENCOUNTERED, CONTACT THE ARCHITECT BEFORE PROCEEDING WITH WORK.
4. LABEL EACH RECEPTACLE WITH THE PANEL NAME AND CIRCUIT NUMBER ON THE FACE OF EACH COVER PLATE WITH A TYPED LAMINATED LABEL.
5. PROVIDE "GFCI PROTECTED" LABEL ON COVER PLATE FOR ANY GFCI PROTECTED DEVICE.
6. CONTRACTOR SHALL INCREASE CIRCUIT CONDUCTOR SIZE TO COMPENSATE FOR VOLTAGE DROP DUE TO EXCESSIVE CIRCUIT LENGTHS. IN NO CASE SHALL VOLTAGE DROP EXCEED NFPA 70 (N.E.C.) REQUIREMENTS.
7. REFER TO MECHANICAL PLANS FOR LOCATION OF MECHANICAL EQUIPMENT. LOCATE DISCONNECT SWITCHES PER NEC.
8. REFER TO "CONTROL SCHEMATICS" MECHANICAL DRAWINGS FOR ADDITIONAL CONTROL WIRING AND CONTROL CONNECTIONS.
9. ALL DEVICES, EQUIPMENT, FIXTURES, AND THE LIKE, SHALL BE BONDED WITH A PROPERLY SIZED EQUIPMENT GROUNDING CONDUCTOR. MAINTAIN MECHANICAL/ELECTRICAL BONDS OF METALLIC RACEWAY SYSTEM.

KEYNOTES	
P12	CONNECT UNIT INTERNAL LIGHTS AND RECEPTACLES TO NEAREST RECEPTACLE CIRCUIT.
P15	CONNECT DOOR POWER SUPPLY TO THE NEAREST AVAILABLE RECEPTACLE CIRCUIT.

3

JEFFERSONVILLE HIGH SCHOOL NATATORIUM

2315 ALLISON LN.
JEFFERSONVILLE, IN 47130

GREATER CLARK COUNTY SCHOOLS

GCCS

ARCHITECT

FANNING HOWEY

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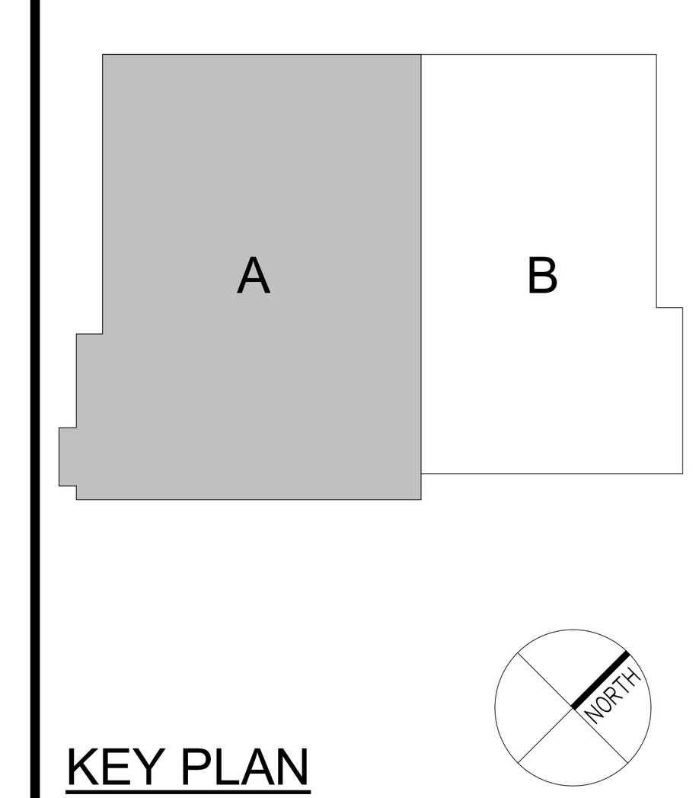
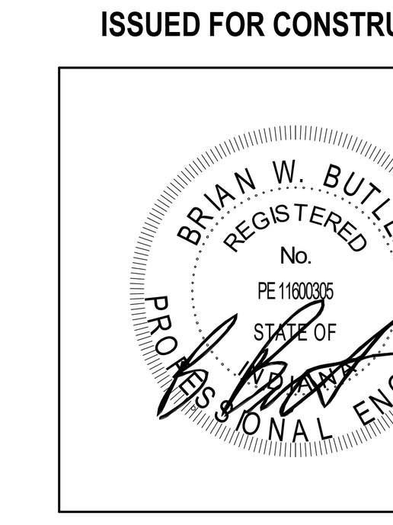
350 E NEW YORK ST, SUITE 300 INDIANAPOLIS, IN 46204



KEY PLAN

ISSUED FOR CONSTRUCTION



DRAWN BY: AMN

PROJECT NUMBER: 222038.00

PROJECT ISSUE DATE: 11/20/2023

REV. NO.	DESCRIPTION	DATE
3	ADDENDUM #3	1/18/2024

UNIT A - EQUIPMENT PLATFORM POWER PLAN

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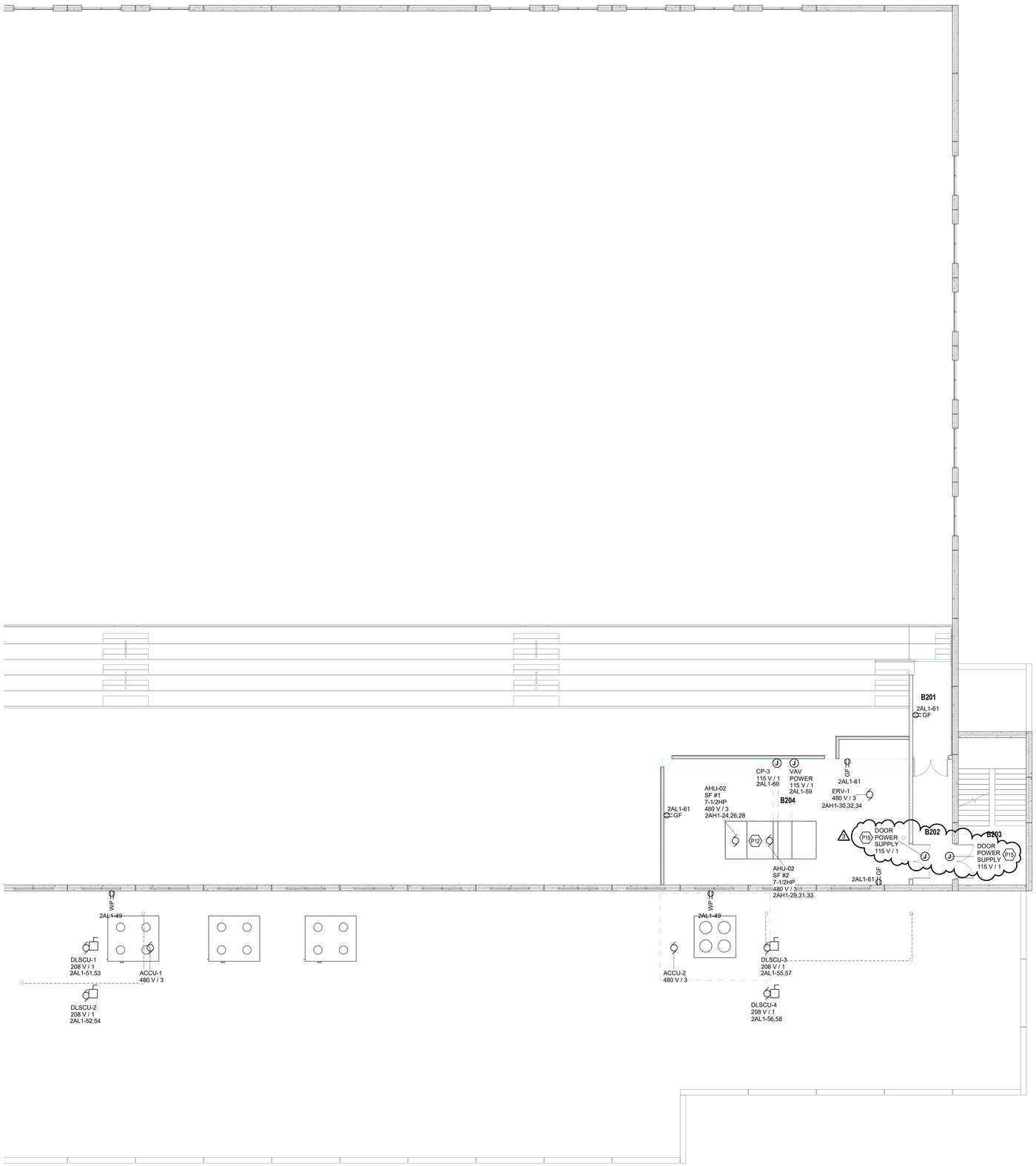

UNIT B - EQUIPMENT PLATFORM POWER PLAN

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

ROOM LEGEND - MEZZANINE UNIT B		
ROOM NO.	ROOM NAME	AREA (SF)
B201	VOMITORIUM	118 SF
B202	CORRIDOR	155 SF
B203	STAIR B	312 SF
B204	MECHANICAL	960 SF

GENERAL NOTES - POWER

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KEYNOTES	
P12	CONNECT UNIT INTERNAL LIGHTS AND RECEPTACLES TO NEAREST RECEPTACLE CIRCUIT.
P15	CONNECT DOOR POWER SUPPLY TO THE NEAREST AVAILABLE RECEPTACLE CIRCUIT.

JEFFERSONVILLE HIGH SCHOOL NATATORIUM

2315 ALLISON LN.
JEFFERSONVILLE, IN 47130

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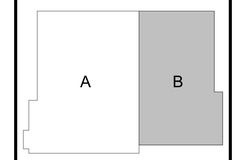

KEY PLAN

ISSUED FOR CONSTRUCTION

DRAWN BY: AMN

PROJECT NUMBER: 222038.00

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REV. NO.	DESCRIPTION	DATE
3	ADDENDUM #3	1/18/2024

UNIT B - EQUIPMENT PLATFORM POWER PLAN

E5.04

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ROOM LEGEND - SECOND FLOOR UNIT A		
ROOM NO.	ROOM NAME	AREA (SF)
A301	UPPER BALCONY	1093 SF
A302	RESTROOM	354 SF
A303	RESTROOM	355 SF
A304	FAMILY RESTROOM	58 SF
A305	UPPER LOBBY	353 SF
A306	ELEVATOR	85 SF
A307	UPPER CONCESSIONS	171 SF
A308	JANITOR	51 SF
A309	STAIR A	312 SF
A310	CONCOURSE	1151 SF
A311	BLEACHERS	1158 SF

GENERAL NOTES - POWER

1. PROVIDE REVISED TYPED PANELBOARD DIRECTORIES FOR EACH PANELBOARD ADDED OR MODIFIED DURING CONSTRUCTION. FIELD VERIFY EXISTING CIRCUIT INFORMATION WITH OWNER'S ASSISTANCE TO ENSURE FINAL DIRECTORY IS ACCURATE. UNUSED SPARE BREAKERS SHALL BE IN THE OFF POSITION.
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KEYNOTES	
P4	~~ALL CONDUITS AND BOXES IN THE POOL AND POOL EQUIPMENT SPACES ARE TO BE PAINTED ALUMINUM RATED FOR POOL ROOMS.~~
P15	CONNECT DOOR POWER SUPPLY TO THE NEAREST AVAILABLE RECEPTACLE CIRCUIT.

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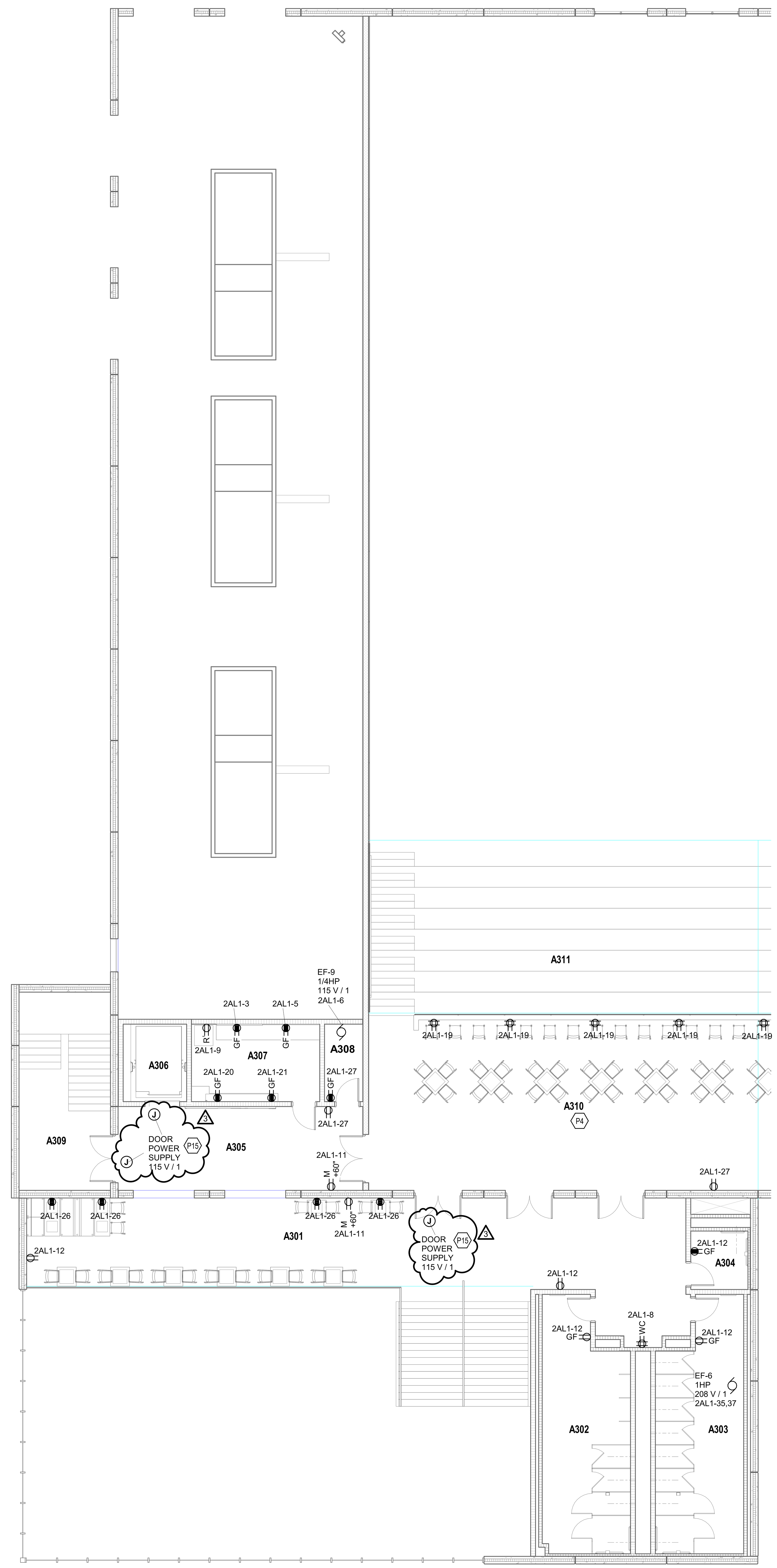

UNIT A - SECOND FLOOR POWER PLAN

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

JEFFERSONVILLE HIGH SCHOOL NATATORIUM

2315 ALLISON LN.
JEFFERSONVILLE, IN 47130

GREATER CLARK COUNTY SCHOOLS

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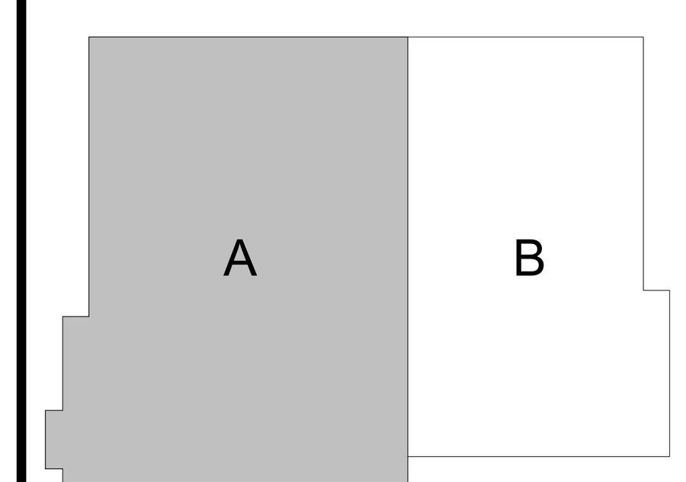

KEY PLAN

ISSUED FOR CONSTRUCTION

BRIAN W. BUTLER
REGISTERED
No.
PE11600095
STATE OF
PROFESSIONAL ENGINEER

DRAWN BY: AMN
PROJECT NUMBER: 222038.00
PROJECT ISSUE DATE: 11/20/2023

REV. NO.	DESCRIPTION	DATE
3	ADDENDUM #3	1/18/2024

UNIT A - SECOND FLOOR POWER PLAN

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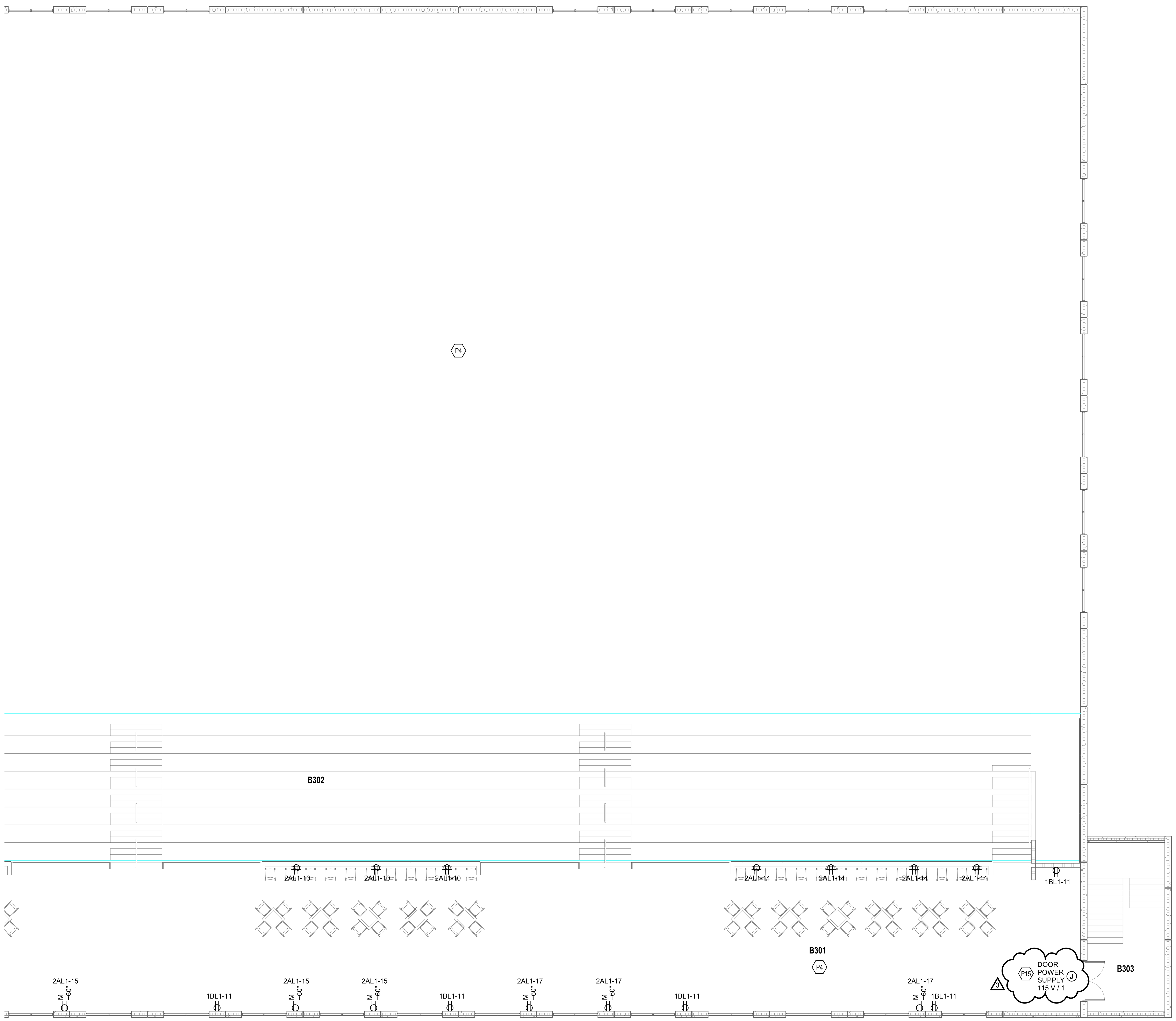

UNIT B - SECOND FLOOR POWER PLAN

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

ROOM LEGEND - SECOND FLOOR UNIT B		
ROOM NO.	ROOM NAME	AREA (SF)
B301	CONCOURSE	3832 SF
B302	BLEACHERS	3805 SF
B303	STAIR B	312 SF

GENERAL NOTES - POWER

1. PROVIDE REVISED TYPED PANELBOARD DIRECTORIES FOR EACH PANELBOARD ADDED OR MODIFIED DURING CONSTRUCTION. FIELD VERIFY EXISTING CIRCUIT INFORMATION WITH OWNER'S ASSISTANCE TO ENSURE FINAL DIRECTORY IS ACCURATE. UNUSED SPARE BREAKERS SHALL BE IN THE OFF POSITION.
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KEYNOTES	
P4	ALL CONDUITS AND BOXES IN THE POOL AND POOL EQUIPMENT SPACES ARE TO BE PAINTED ALUMINUM RATED FOR POOL ROOMS.
P15	CONNECT DOOR POWER SUPPLY TO THE NEAREST AVAILABLE RECEPTACLE CIRCUIT.

3

JEFFERSONVILLE HIGH SCHOOL NATATORIUM

2315 ALLISON LN.
JEFFERSONVILLE, IN 47130

GREATER CLARK COUNTY SCHOOLS

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ARCHITECT

FANNING HOWEY

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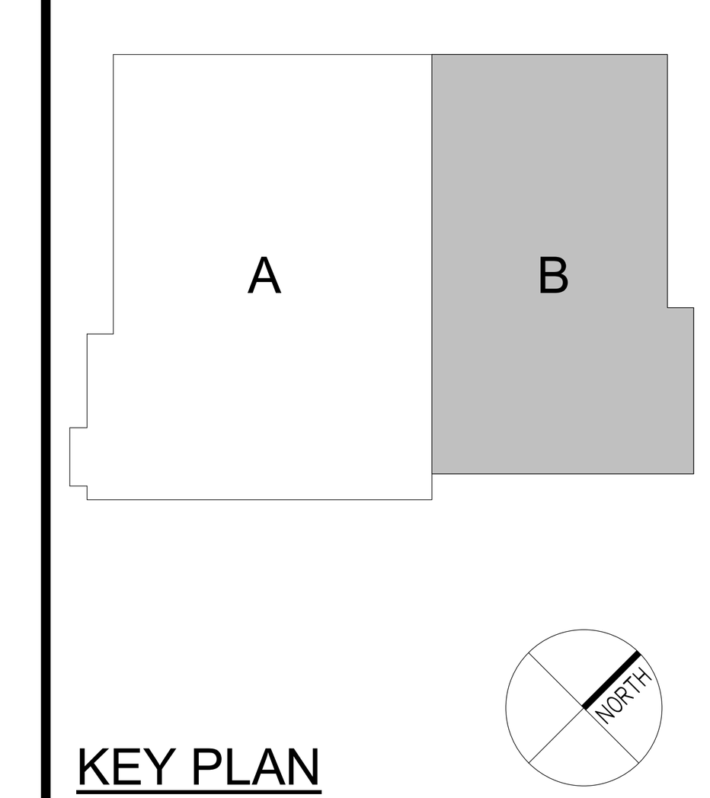

KEY PLAN

ISSUED FOR CONSTRUCTION

BRIAN W. BUTLER
REGISTERED
No.
PE11600305
STATE OF
PROFESSIONAL ENGINEER

DRAWN BY: AMN
PROJECT NUMBER: 222038.00
PROJECT ISSUE DATE: 11/20/2023

REV. NO.	DESCRIPTION	DATE
3	ADDENDUM #3	1/18/2024

UNIT B - SECOND FLOOR POWER PLAN

E5.06

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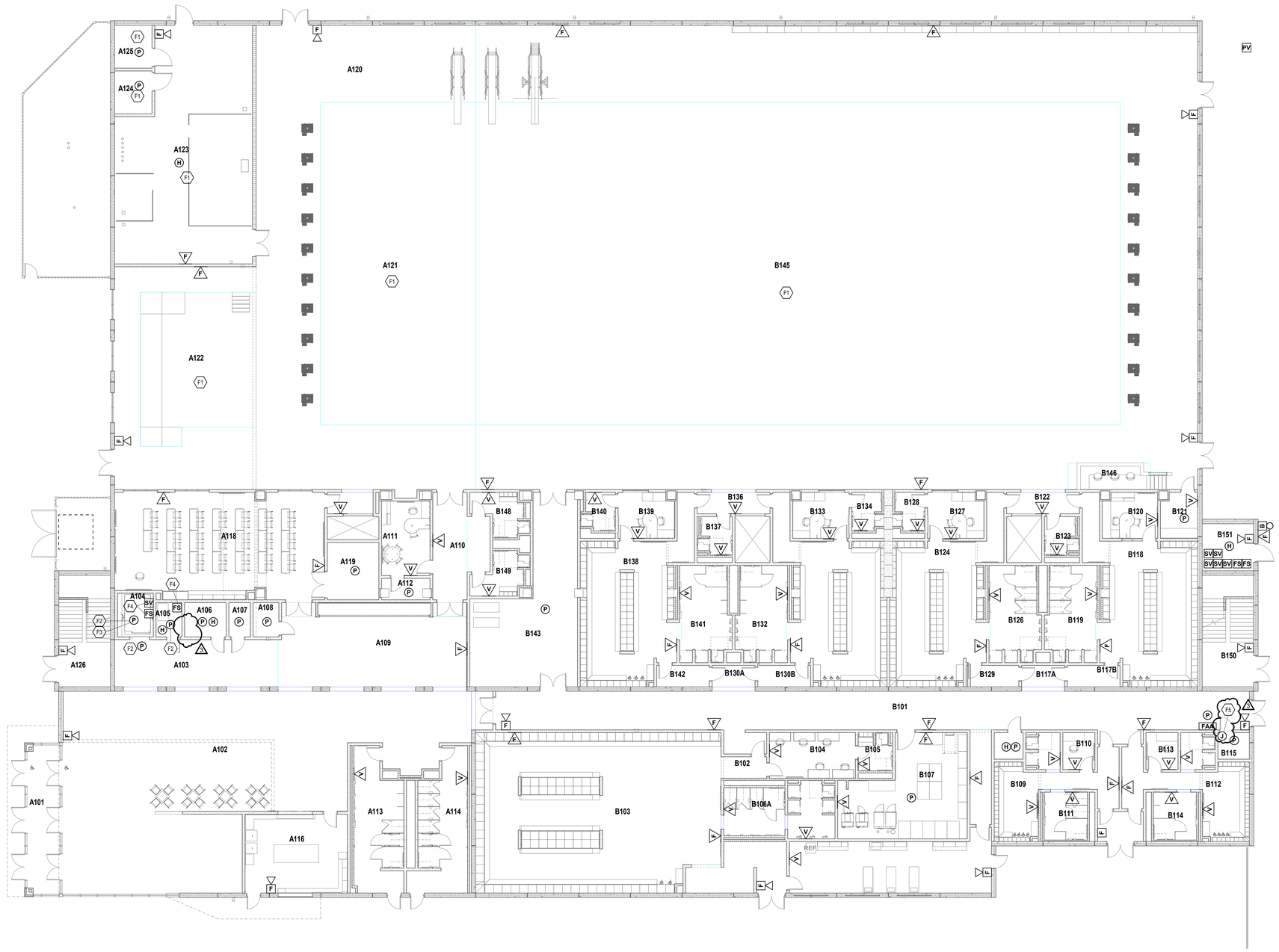

FIRST FLOOR - FIRE ALARM PLAN

SCALE: 3/32" = 1'-0"

ROOM LEGEND - FIRST FLOOR UNIT A

ROOM NO.	ROOM NAME	AREA (SF)
A101	VESTIBULE	282 SF
A102	LOBBY	3084 SF
A103	VESTIBULE	418 SF
A104	ELEVATOR	85 SF
A105	ELEVATOR MACHINE ROOM	48 SF
A106	ELECTRICAL	77 SF
A107	JANITOR	40 SF
A108	TECHNOLOGY	48 SF
A109	HALL OF CHAMPIONS	738 SF
A110	CORRIDOR	269 SF
A111	FACILITIES	195 SF
A112	STORAGE	58 SF
A113	RESTROOM	348 SF
A114	RESTROOM	363 SF
A115	ALCOVE	Not Placed
A116	CONCESSIONS	438 SF
A118	TEAM	1180 SF
A119	STORAGE	160 SF
A120	COMPETITION POOL DECK	3647 SF
A121	COMPETITION POOL	2711 SF
A122	THERAPY POOL	886 SF
A123	POOL EQUIPMENT	1585 SF
A124	STORAGE	87 SF
A125	STORAGE	87 SF
A126	STAIR A	191 SF
A127	ALCOVE	53 SF

ROOM LEGEND - FIRST FLOOR UNIT B

ROOM NO.	ROOM NAME	AREA (SF)
B101	CORRIDOR	1667 SF
B102	ALCOVE	53 SF
B103	FOOTBALL LOCKERS	1533 SF
B104	OFFICE	213 SF
B105	RESTROOM	61 SF
B106A	RESTROOM	159 SF
B106B	SHOWERS	137 SF
B107	LAUNDRY/STORAGE	596 SF
B108	ELECTRICAL PANEL	42 SF
B109	GIRLS TRACK	265 SF
B110	OFFICE	64 SF
B111	RESTROOM	113 SF
B112	BOYS TRACK	276 SF
B113	OFFICE	64 SF
B114	RESTROOM	112 SF
B115	TECHNOLOGY	45 SF
B116	VESTIBULE	74 SF
B117A	ALCOVE	50 SF
B117B	ALCOVE	61 SF
B118	GIRLS SWIM	675 SF
B119	RESTROOM	253 SF
B120	OFFICE	134 SF
B121	TIMING ROOM	89 SF
B122	ALCOVE	85 SF
B123	RESTROOM	65 SF
B124	GIRLS PE SWIM	664 SF
B125	TRAINING	581 SF
B126	RESTROOM	253 SF
B127	OFFICE	137 SF
B128	RESTROOM	64 SF
B129	ALCOVE	61 SF
B130A	ALCOVE	50 SF
B130B	ALCOVE	61 SF
B131	BOYS PE SWIM	666 SF
B132	RESTROOM	253 SF
B133	OFFICE	137 SF
B134	RESTROOM	64 SF
B135	VESTIBULE	229 SF
B136	ALCOVE	85 SF
B137	RESTROOM	65 SF
B138	BOYS SWIM	664 SF
B139	OFFICE	137 SF
B140	RESTROOM	64 SF
B141	RESTROOM	253 SF
B142	ALCOVE	61 SF
B143	STORAGE	774 SF
B144	COMPETITION POOL DECK	6583 SF
B145	COMPETITION POOL	11263 SF
B146	TIMING PLATFORM	132 SF
B147	CORRIDOR	110 SF
B148	RESTROOM	96 SF
B149	RESTROOM	96 SF
B150	STAIR B	197 SF
B151	WATER SERVICE	132 SF
B153	SHOWERS	61 SF
B154	SHOWERS	61 SF

GENERAL NOTES - FIRE ALARM

1. FIRE ALARM LAYOUT IS SHOWN FOR COVERAGE AREA ONLY. CONTRACTOR SHALL PROVIDE DEVICES AS REQUIRED FOR COMPLETE COVERAGE.
2. QUANTITIES OF FLOW AND TAMPER SWITCHES ARE DIAGRAMATIC ONLY. CONFIRM EXACT QUANTITIES IN THE FIELD.

KEYNOTES

F1	ALL CONDUITS AND BOXES IN THE POOL AND POOL EQUIPMENT SPACES ARE TO BE PAINTED ALUMINUM RATED FOR POOL ROOMS.
F2	SMOKE DETECTOR TO BE CONNECTED TO THE ELEVATOR CONTROL SYSTEM FOR ELEVATOR CAR RECALL TO THE FIRST FLOOR UPON SENSING OF SMOKE. COORDINATE CONNECTION TO ELEVATOR CONTROL SYSTEM WITH ELEVATOR SUPPLIER/INSTALLER PRIOR TO ROUGH-IN AND PROVIDE ALL REQUIRED MODULES, RELAYS, ETC., TO CONTROL ELEVATOR PER ALL APPLICAVLE CODES.
F3	PROVIDE REMOTE L.E.D. INDICATOR FOR SMOKE DETECTOR IN ELEVATOR SHAFT. INSTALL IN LAY-IN CEILING TILE NEAR ELEVATOR DOOR AND WIRE TO DETECTOR IN ELEVATOR SHAFT. COORDINATE EXACT LOCATION WITH LIGHTING ETC. PRIOR TO ROUGH-IN.
F4	FIRE ALARM SYSTEM FLOW SWITCH AND TAMPER SWITCH TO BE CONNECTED TO FIRE PROTECTION SYSTEM BRANCH SPRINKLER PIPING LOCATED IN ROOM. UPON FLOW OF WATER IN THE FIRE PROTECTION SYSTEM LOCALLY IN THE ROOM, THE FIRE ALARM SYSTEM SHALL SHUT DOWN POWER TO ELEVATOR MAIN DISCONNECT/CONTROLLER SWITCH VIA SHUNT TRIP DEVICE IN MAIN DISCONNECT/CONTROLLER. PROVIDE ALL REQUIRED WIRING, MODULES, RELAYS, ETC., REQUIRED TO SHUT DOWN POWER TO THE ELEVATOR AS INDICATED. COORDINATE CONNECTION REQUIREMENTS WITH SUPPLIED MAIN DISCONNECT/CONTROLLER SWITCH. SEE POWER PLANS FOR LOCATION OF MAIN DISCONNECT/CONTROLLER SWITCH AND ADDITIONAL INFORMATION. COORDINATE LOCATION OF FLOW SWITCH WITH FIRE PROTECTION SYSTEM CONTRACTOR IN THE FIELD PRIOR TO ROUGH-IN.
F5	PROVIDE A NAC PANEL CONNECTED BACK TO THE MAIN FIRE ALARM PANEL IN THE HIGH SCHOOL TO CONTROL THE NOTIFICATION DEVICES IN THE NATATORIUM. ROUTE ALL FIRE ALARM CIRCUITS NEEDED FOR THE NATATORIUM PER THE ROUTING SHOWN ON E6.04. COORDINATE NAC PANEL INSTALLATION LOCATION IN ROOM B115 WITH OTHER TRADES.

JEFFERSONVILLE HIGH SCHOOL NATATORIUM

2315 ALLISON LN.
JEFFERSONVILLE, IN 47130

GREATER CLARK COUNTY SCHOOLS

GCCS

ARCHITECT

FANNING HOWEY

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A B

KEY PLAN

NORTH

ISSUED FOR CONSTRUCTION

BRIAN W. BUTLER REGISTERED No. PE19800 STATE OF PROFESSIONAL ENGINEER

DRAWN BY: AMN

PROJECT NUMBER: 222038.00

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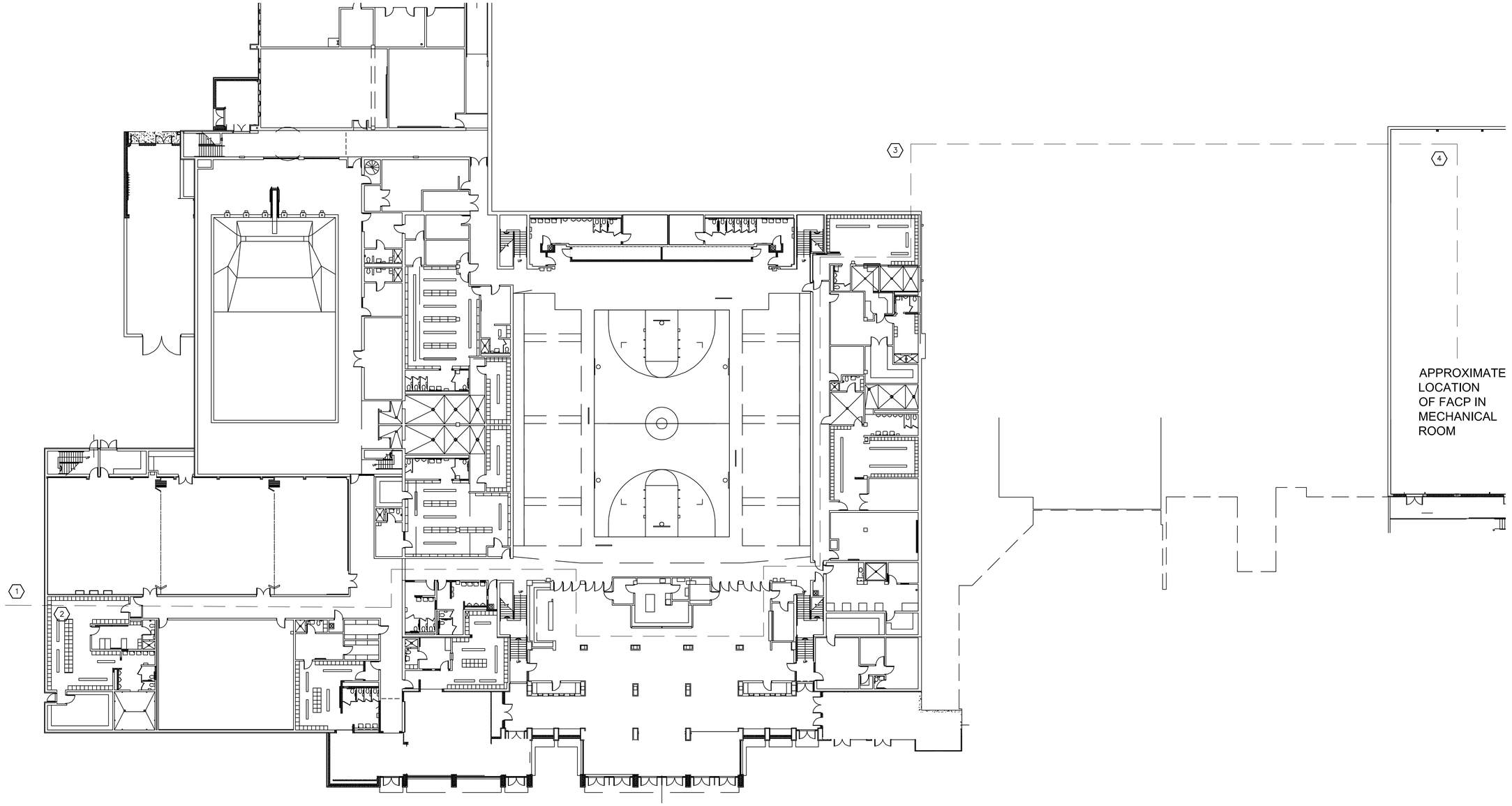
REV. NO.	DESCRIPTION	DATE
3	ADDENDUM #3	1/18/2024

FIRST FLOOR FIRE ALARM PLAN

E6.01

PLAN NOTES:

1. ROUTE FIRE ALARM CIRCUITS FROM THE NATATORIUM UNDERGROUND AND UP INTO THE HIGH SCHOOL TO ABOVE CEILING WITH THE TECHNOLOGY CONDUITS SHOWN ON T2.04.
2. ROUTE FIRE ALARM CABLING IN J-HOOKS WHERE ABOVE CEILING ON THIS ROUTING.
3. ROUTE CABLING THROUGH THE BACK CORNER OF THE AUDITORIUM CONCEALED AND TURN EAST INTO THE CORRIDOR BETWEEN THE MEDIA CENTER AND THE CAFETERIA.
4. TURN CABLING INTO THE MECHANICAL AREA AND INSTALL WITHIN CONDUIT IN AREAS WITHOUT CEILINGS OR WHERE CONCEALED WITHIN WALLS OR SURFACE MOUNTED ALONG WALLS.



EXISTING HS LOWER LEVEL - FIRE ALARM ROUTING

1/16" = 1'-0"

JEFFERSONVILLE HIGH SCHOOL NATATORIUM

2315 ALLISON LN.
JEFFERSONVILLE, IN 47130

GREATER CLARK COUNTY SCHOOLS

GCCS

ARCHITECT

FANNING HOWEY

FHAI Phone No. WWW.FHAI.COM

FH Office Address

KEY PLAN

100% CONSTRUCTION DOCUMENTS

BRIAN W. BUTLER REGISTERED No. PE 11000305 STATE OF INDIANA PROFESSIONAL ENGINEER

DRAWN BY: AMN

PROJECT NUMBER: 222038.00

PROJECT ISSUE DATE: 11/30/2023

REV. NO.	DESCRIPTION	DATE
3	ADDENDUM 3	1/18/24

3

FIRE ALARM - EXISTING HIGH SCHOOL

E6.04

LOUDSPEAKER LOCATION AND AIM SCHEDULE

SPEAKER	MODEL	DELAY (MS)	LOCATION (FT)			SPEAKER AIM (DEGREES)		
			X	Y	Z	HORIZONTAL	VERTICAL	ROTATION
SP1-1	DANLEY SH69	*	191	9	35.5	-10	-35	90
SP1-2	DANLEY SH69	*	151	9	35.5	-5	-35	90
SP1-3	DANLEY SH69	*	111	9	35.5	0	-35	90
SP1-4	DANLEY SH69	*	71	9	35.5	5	-35	90
SP1-5	DANLEY SH69	*	31	9	35.5	5	-35	90
SP2-L	DANLEY SBH20LF	*	133	108	17.5	0	-10	0
SP2-R	DANLEY SBH20LF	*	82	108	17.5	0	-10	0
SW1-1	DANLEY THMINI15	*	151	11	37.5	0	-35	0
SW1-2	DANLEY THMINI15	*	71	11	37.5	0	-35	0

LEGEND

CONFIRM REFERENCE POSITION ON AV CONTRACTOR SHOP SUBMITTALS BEFORE INSTALLATION. CONTRACTOR SHALL VERIFY REFERENCE POINTS, INCLUDING CENTERLINE REFERENCE AND 0 POINT REFERENCE AND DIRECTION BEFORE WORK BEGINS.

SPEAKER POINT	FRONT TOP CENTER OF THE BOX.
DELAY	DELAY IN MILLISECONDS FOR DSP SETTINGS.
LOCATION X	DISTANCE FROM WEST WALL IN FEET.
LOCATION Y	DISTANCE FROM POOL LEVEL SOUTH WALL IN FEET.
LOCATION Z	DISTANCE ABOVE POOL LEVEL FLOOR IN FEET.
HORIZONTAL AIM	PLAN VIEW AIM ANGLE 0˚ IS AIMED AT SOUTHWALL; 90˚ AT EAST WALL; -90˚ AT WEST WALL
VERTICAL AIM	DOWN ANGLE FROM HORIZONTAL AXIS THAT IS PARALLEL TO LEVEL FLOOR.
ROTATION	LOUDSPEAKER CABINET FACE ROTATION FROM PERPENDICULAR VERTICAL AXIS

NOTES

1. COORDINATE LOUDSPEAKER AIM WITH ALL FIELD CONDITIONS AND SHOP SUBMITTALS. ADJUST FOR FIELD CONDITIONS TO MAINTAIN COVERAGE IN SEATS. VERIFY CABINET ROTATION AND HORN ROTATION.
2. CONTRACTOR TO FIELD VERIFY EACH AIM LOCATION AT ROUGH-IN. NOTIFY CONSULTANT IMMEDIATELY FOR ANY CONFLICT TO CLEAR SIGHT LINES. CONFIRM ASSOCIATED TRADE WORK ON SITE, INCLUDING BUT NOT LIMITED TO DUCT, LIGHTS, CURTAINS, ELECTRICAL MECHANICAL, BASKETBALL GOALS, CLOUDS, ETC. SEE ARCHITECTURALS FOR COMPLETE SCOPE AND COORDINATE OF SAME.
3. SHOULD FIELD CONFIRMATION NOT BE MADE IN A TIMELY FASHION, CONTRACTOR IS RESPONSIBLE FOR IMPACT OR DELAY RESULTING, INCLUDING REWORK OR LIFT REQUIREMENTS FOR ACCESS TO RE-AIM.
4. SUBMITTAL/SHOP DRAWINGS SHALL DETAIL P.E. RATED ATTACHMENT AND SUSPENSION HARDWARE USED. NO ATTACHMENT SHALL BE MADE WITHOUT USE OF P.E. RATED HARDWARE. SAFETY FACTORS ARE 5:1 OR GREATER. INCORPORATE SPECIFICATIONS INCLUDING P.E. RATED SUSPENSIONS FOR ALL OVERHEAD SUSPENSION ITEMS WITHOUT FAIL. MAINTAIN SAFE WORKING CONDITIONS AT ALL TIMES.
5. PROVIDE INDEPENDENT SAFETY CABLE TO BUILDING STEEL FOR EACH OVERHEAD SUSPENDED LOUDSPEAKER. INCORPORATE ALL MANUFACTURER'S RECOMMENDATIONS FOR RIGGING. READ AND REVIEW ALL LOUDSPEAKER AIM SUSPENSION ITEMS BEFORE FIELDWORK STARTS. AV CONTRACTOR RESPONSIBLE SHALL CONFIRM RIGGING POINT IN ADVANCE AND PER ANSI E1.8.
6. SHOULD FIELD MODIFICATIONS OR ADJUSTMENTS BE REQUIRED DUE TO CONFLICTS FOR PROPER COVERAGE AND CLEAR SIGHT LINES, ADJUST FOR SAME COVERAGE AND SIGHT LINES WITH NEW POSITIIONS. TEST FOR COVERAGE AT MID-BAND (2kHz OCTAVE BAND).
7. IT IS FULLY REQUIRED THAT A QUALIFIED AV SOUND CONTRACTOR BE ON SITE DURING ALL SPEAKER AIM. IT IS NOT INTENDED THAT ELECTRICAL OR GENERAL CONTRACTOR SUSPEND OR AIM SPEAKERS WITH AV CONTRACTOR IN ATTENDANCE.

AUDIO VIDEO EQUIPMENT SCHEDULE

THE EQUIPMENT LIST ABBREVIATIONS AND THE AUDIO VIDEO EQUIPMENT SCHEDULE ARE FOR THE CONVENIENCE OF THE CONTRACTOR. EACH CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFICATION OF QUANTITIES AND SHALL FURNISH ALL MATERIAL REQUIRED, WHETHER SPECIFIED OR NOT, TO PRODUCE A SATISFACTORY WORKING SYSTEM.

CATALOG NUMBERS ARE NOT TO BE CONSIDERED COMPLETE BUT ARE GIVEN ONLY TO AID THE CONTRACTOR IN THE SEARCH FOR MATERIAL. NO MATERIAL SHALL BE ORDERED BY MANUFACTURER AND CATALOG NUMBER ONLY. EACH CONTRACTOR SHALL FIRST READ THE COMPLETE DESCRIPTION OF THE MATERIAL ON THESE DRAWINGS AND SPECIFICATIONS. THE FIRST MANUFACTURER LISTED IS THE BASIS OF DESIGN. "STANDARD COLOR" INDICATES FACTORY FINISH AVAILABLE AT NO ADDITIONAL CHARGE.

EQUIPMENT LIST ABBREVIATION	EQUIPMENT LIST DESCRIPTION	MANUFACTURER AND MODEL
AV-AC-R	AC RACK MOUNT POWER STRIP: RACK MOUNTED AC POWER STRIP WITH 9 OUTLETS, FRONT POWER SWITCH, 15A CAPABILITY, AND 20' CORD LENGTH.	MAP PD-915R
AV-ADA-1	ASSISTIVE LISTENING SYSTEM: STATIONARY RF TRANSMITTER WITH SELECTABLE BROADCASTING ON 57 CHANNELS. SIGNAL TO NOISE RATION OF 70 DB OR GREATER. OUTPUT POWER IS ADJUSTABLE TO QUARTER, HALF OR FULL. AUDIO FREQUENCY RESPONSE OF 50 HZ TO 15K HZ, ±3 DB AT 216 MHZ. TWO MIXING AUDIO INPUTS WITH AUTOMATIC GAIN CONTROL AND LIMITING TO A MIXED SIGNAL OUTPUT. FRONT PANEL INPUT LEVEL, MIX LEVEL AND AN ADJUSTABLE LOW PASS FILTER. EXTEND TRANSMITTER ANTENNA OUTSIDE OF MAIN RACK. PROVIDE COMPLETE STARTER PACKAGE WITH FOUR (4) QUANTITY RECEIEVERS SEE SPECIFICATIONS DIV 27 41 00 FOR ADDITIONAL INFORMATION.	LISTEN LS-31-072 TELEX WILLIAMS
AV-AMP-1	AUDIO AMPLIFIER. RACK MOUNTED CLASS D AMPLIFIER WITH FOUR CHANNEL 2500W SINGLE CHANNEL RATED (CONTINUOUS) FOR 4 OHMS TO 2 OHMS SAFELY AT FULL BANDWIDTH PERFORMANCE. XLR MIC/LINE INPUTS AND RJ-45 FOR DIGITAL AUDIO LAN CONNECTION. DIGITAL SIGNAL PROCESSING FOR EACH INPUT AND OUTPUT. LOCK OUT ALL FRONT PANEL MOUNTED CONTROLS EXPOSED, EXCEPT POWER ON/OFF. VERIFY ANY EQUALS FOR SAME EXACT LOAD ASSIGNMENTS AND MATCH SPEAKERS AND AMPS AS SPECIFIED.	DANLEY DNA PRO 10K4
AV-AMP-2	AUDIO AMPLIFIER. FLEXIBLE AMPLIFIER SUMMING WITH EIGHT CHANNEL 1250W SINGLE CHANNEL RATED (CONTINUOUS) FOR 8 OHMS TO 2 OHMS SAFELY AT FULL BANDWIDTH PERFORMANCE. FOUR 3-PIN MIC/LINE INPUTS FOR AUDIO AND RJ-45 FOR DIGITAL AUDIO LAN CONNECTION. LOCK OUT ALL FRONT PANEL MOUNTED CONTROLS EXPOSED, EXCEPT POWER ON/OFF. VERIFY ANY EQUALS FOR SAME EXACT LOAD ASSIGNMENTS AND MATCH SPEAKERS AND AMPS AS SPECIFIED.	QSC CX-Q 8K8 DANLEY CROWN
AV-AN1-W	ASSISTIVE LISTENING ANTENNA: REMOTE RF ANTENNA COMPATABLE WITH ASSISTIVE LISTENING SYSTEM. CONFIGURE FOR LOCATION FOR SEATING COVERAGE. MOUNT ANTENNA TO 2 GANG PLATE. PROVIDE RG-58 COAX CABLE FROM MAIN AV RACK AV-ER-1 PROVIDE 4" SQUARE BOX SURFACE WITH 1"CONDUIT TO MAIN AUDIO RACK AV-ER-1 IN CONTROL ROOM.	LISTEN LA-123/124 TELEX WILLIAMS
AV-ARX-1	8 CHANNEL BALANCED XLR AUDIO OVER SINGLE MODE OR MULTIMODE FIBER.	THOR F-8A-TXRX
AV-CAM-1	PROFESSIONAL GRADE SPORTS VIDEO CAMERA: PTZ REMOTE CAMERA. POE++ POWERED, AMBIENT OPERATING TEMPERATURE 32°F TO 104°F. MOTORIZED OPTICAL ZOOM x20. VIDEO OUTPUT 12G-SDI, 3G-SDI AND OPTICAL FIBER. LAN RJ-45 CONNECTION FOR IP CONTROL. STREAMING MODE H.264/H.265. RESOLUTION OF 1920X1080 AT 60 FPS/60HZ. PROVIDE WITH WEATHERIZED IP66/NEMA4 STANDARD HOUSING TO MATCH CAMERA MODEL.	CAMERA: PANASONIC AW-UE150 HOUSING: DOTWORKZ SYSTEMS HD12
AV-CCMTX-1	CONNECTS CLEAR-COMM TWO WIRE PARTY-LINE TO MATRIX OR OTHER 4-WIRE DEVICE.	CLEAR-COMM EF-701M
AV-CCTRX-1	CLEAR-COMM DUAL-PORT FOUR-WIRE FIBER CONVERTER	CLEAR-COMM FIM-4W2
AV-CP1-W	BROADCAST CAMERA CONNECTIVITY PLATE: OUTDOOR RATED 17.5" X 22.5" X 4.5" FLUSH/RECESS MOUNTED BOX, 14 GAUGE BOX WITH HINGED FLUSH MOUNT COVER, GASKET AND STAINLESS STEEL LOCKING LATCH. PROVIDE CUSTOM PUNCHED PLATE FOR CONNECTIVITY REQUIRED. REFER TO DETAIL 1/TA4.00 FOR PLATE LAYOUT. PROVIDE ENGRAVED LABELING WITH PAINT IN-FILL. PROVIDE ST-STYLE PANEL JACKS WITH SCREW ON CAP FOR VIDEO FIBER, BNC JACKS FOR VIDEO COAX AND XLR JACKS FOR AUDIO AND PRODUCTION INTERCOM. PROVIDE HEAVY-DUTY EXTERIOR GRADE CONNECTORS WITH GOLD CONTACTS FOR CORROSIVE POOL ENVIRONMENT. REFER TO SPECIFICATION 27 41 00 FOR MORE INFORMATION PROVIDE RECESS MOUNTED BACKBOX AT OUTLET HEIGHT WITH 2" CONDUIT FOR FIBER AND COAX VIDEO LINES, 1-1/4" CONDUIT FOR AUDIO, AND 1-1/4" FOR INTERCOM TO MAIN RACK AV-ER-1. VERIFY AND COORDINATE CONDUIT CAPACITY REQUIREMENTS ON SITE.	FSR OWB-X3-FM-PLT
AV-CP2-W	BROADCAST CAMERA CONNECTIVITY PLATE: OUTDOOR RATED 17.5" X 22.5" X 4.5" FLUSH/RECESS MOUNTED BOX, 14 GAUGE BOX WITH HINGED FLUSH MOUNT COVER, GASKET AND STAINLESS STEEL LOCKING LATCH. PROVIDE CUSTOM PUNCHED PLATE FOR CONNECTIVITY REQUIRED. REFER TO DETAIL 1/TA4.00 FOR PLATE LAYOUT. PROVIDE ENGRAVED LABELING WITH PAINT IN-FILL. PROVIDE ST-STYLE PANEL JACKS WITH SCREW ON CAP FOR VIDEO FIBER, BNC JACKS FOR VIDEO COAX AND XLR JACKS FOR AUDIO AND PRODUCTION INTERCOM. PROVIDE HEAVY-DUTY EXTERIOR GRADE CONNECTORS WITH GOLD CONTACTS FOR CORROSIVE POOL ENVIRONMENT. REFER TO SPECIFICATION 27 41 00 FOR MORE INFORMATION PROVIDE RECESS MOUNTED BACKBOX AT OUTLET HEIGHT WITH 2" CONDUIT FOR FIBER AND COAX VIDEO LINES, 1-1/4" CONDUIT FOR AUDIO, AND 1-1/4" FOR INTERCOM TO MAIN RACK AV-ER-1. VERIFY AND COORDINATE CONDUIT CAPACITY REQUIREMENTS ON SITE.	FSR OWB-X3-FM-PLT 1
AV-DS-1	MEDIA PLAYER: DIGITAL SIGNAGE AND VIDEO STREAMING DEVICE WITH HDMI OUTPUT, RS-232 OUTPUT AND RJ-45 NETWORK JACK. POE POWERED. PROVIDE WITH AC3 LICENSE AND RF MULTI-FUNCTION REMOTE AND REMOTE SCREEN CONTROLLER. CONTRACTOR TO PROVIDE MOUNTING BEHIND DISPLAY WITH 2' CATEGORY 6 PATCH CABLE AND 2' HDMI CABLE TO DISPLAY.	UNIGUEST/TRIPLEPLAY TPS-SP1-4-AC3 TPS_HYBRID-REMOTE TPS_SCREENCON-BS OR APPROVED EQUAL
AV-DSE-1	VIDEO ENCODER/SERVER: 1U APPLIANCE SERVER 2 SLOT, 1X250GB SSD, 2YR RTB. PROVIDE WITH HD-SDI TO MPEG 4 QUAD INTERFACE FOR NETWORK STREAM OUTPUTS. RACK MOUNT IN EXISTING VIDEO STUDIO EQUIPMENT RACK. PROVIDE CLIETN LICENSE AND EVENT ENGINE SOFTWARE FOR DIGITAL SIGNAGE PROVIDE WITH MANUFACTURER PROFESSIONAL SERVICES FOR SERVER BUILD, COMMISSIONING AND TRAINING.	UNIGUEST/TRIPLEPLAY TPS_TPS0240 TPS_HDSDI_QUAD OR APPROVED EQUAL
AV-DSP-1	AUDIO DSP: 24 CHANNELS OF ANALOG I/O (8 INPUT X 8 OUTPUT X 8 FLEX), 128 X 128 NETWORK AUDIO CHANNELS, 16 X 16 USB AUDIO CHANNELS, 16 X 16 GPIO LOGIC PORTS, 16 CHANNELS OF ROUTABLE AEC, VOIP, DANTE DIGITAL AUDIO AND CONTROL OVER LAN. REFER TO SPECIFICATION 27 41 00 FOR CONFIGURATION AND PERFORMANCE REQUIREMENTS. PATHFILE SUBMITTAL REQUIRED BEFORE COMMISSIONING FOR APPROVAL.	QSC CORE 110F
AV-ECS-1	AUDIO SYSTEM ETHERNET NETWORK SWITCH - COMMERCIAL GRADE DATA SWITCH COMPATIBLE WITH QSC QSYS AUDIO SYSTEM DSP NETWORK, APPROVED BY DSP MANUFACTURER, LATEST VERSION AVAILABLE. UNITS SHALL BE MANAGED LAYER 2, GIGABIT ETHERNET SWITCHES WITH POE. TWENTY FOUR (24) 10/100/1000BASE-T RJ-45 PORTS WITH POE+ AND 1000/10GBASE-X FIBER SFP+ PORTS. 1 RU RACKMOUNT CHASSIS. PROVIDE WITH NETWORK PATCH CABLES, 3FT TYPICAL, FOR QUANTITY OF CONNECTIONS PER RISER.	EXTREME NETWORKS X440 SERIES NETGEAR HEWLETT PACKARD
AV-ER-1	AV EQUIPMENT RACK. FREESTANDING FLOOR RACK. PROVIDE WITH 70 IN RACKING HEIGHT, 76 INCH OVERALL HEIGHT AND 24 INCH USABLE DEPTH WITH REAR RAILS, REMOVEABLE SIDE PANELS, FRONT DOOR, AND ACCESSORY CABLE MANAGEMENT. QUANTITY PER PLANS. VERIFY RACK SIZE REQUIREMENTS, VENTILATION, POWER AND GROUND, REPORTING ANY VARIANCES. SEE SPECIFICATIONS 27 41 00 AND PROVIDE RACK ELEVATIONS ON SHOPS. COORDINATE CONDUIT ENTRANCES INTO JUNCTION BOXES OR DIVIDED GUTTER BOX AS REQUIRED TO MAINTAIN SIGNAL SEPARATION.	MIDDLE ATLANTIC PRODUCTS MRK-4026-AV ATLAS
AV-ER-2	PORTABLE RACK: LIGHTWEIGHT 4U RACK BACK WITHPOLYETHYLENE-REINFORCE INTERIOR FRAME. FRONT AND REAR ZIPPERED FLAP FOR EQUIPMENT ACCESS AND SIDE ACCESSORIE POCKET. 14.5" X 21.25" X 11.75"	GATOR GR-RACKBAG-4U
AV-FDC-1	OPTICAL FIBER DISTRIBUTION CABINET, RACK MOUNT. REFER TO TECHNOLOGY DRAWINGS	FURNISHED AND INSTALLED BY T.C.
AV-ICBASE-1	PRODUCTION INTERCOM MASTER STATION: CENTRAL MAIN STATION WITH 4-CH INTERCOM, LIGHTED CALLBACK, AND TALKBACK SPEAKER AT OPERATION HEIGHT. PROVIDE WITHRACK-MOUNT KIT.	CLEARCOM MS-704 TELEX RTS
AV-MIC-RX1	WIRELESS MICROPHONE SYSTEM: HANDHELD WIRELESS MICROPHONE SYSTEM WITH HANDHELD HYPERCARDIOID TRANSMITTER. VERIFY FREQUENCY REQUIREMENTS FOR GEOGRAPHIC AREA. SEE SPECIFICATIONS DIV 27 41 00 FOR ADDITIONAL REQUIREMENTS AND ACCESSORIES.	SHURE QLXD2/BETA 58 NO EQUAL
AV-MIC-S	SPORTS ANNOUNCER MICROPHONE: CARDIOID DYNAMIC VOCAL MICROPHONE WITH DESKTOP SPORTS ANNOUNCE PUSH-TO-TALK SWITCH GOOSENECK MICROPHONE STAND. PROVIDE WITH 6' LONG XLR-XLR MICROPHONE CABLE	SHURE SM58 PROCO SAS3 WHIRLWIND
AV-MIX-1	SPORTS ANNOUNCE MIXER: 2 BALANCED MICROPHONE INPUTS, 2 UNBALANCED RCA INPUTS, 3.5MM INPUT AND BLUETOOTH WIRELESS INPUT WITH 3 ZONE OUTPUTS. MIC-LINE INPUTS INCLUDE ADJUSTABLE GAIN, EQ AND AVAILABLE PHANTOM POWER. OUTPUTS INCLUDE BALANCED LINE LEVEL PHOENIX CONNECTOR.	TASCAM MZ-123BT ALLEN AND HEATH YAMAHA

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EQUIPMENT LIST ABBREVIATION	EQUIPMENT LIST DESCRIPTION	MANUFACTURER AND MODEL
AV-MNT-1	DISPLAY MOUNT: LARGE DISPLAY ADJUSTABLE FIXED WALL MOUNT FOR DISPLAY UP TO 86" DIA. AND 200 LBS. COORDINATE BLOCKING, AV BOXES AND AC POWER LOCATION REQUIREMENTS ON SITE DURING ROUGH-IN. REFER TO ARCHITECTURAL ELEVATION TO COORDINATE MOUNTING HEIGHT.	CHIEF LTM1U PEERLESS EQUAL
AV-MON-55	55" VIDEO DISPLAY: PROFESSIONAL COMMERCIAL GRADE 55" EDGE LED DISPLAY WITH UHD 3840 x 2160 RESOLUTION, 4000:1 CONTRAST RATIO, 178° VIEWING ANGLE, 350 NITS TYPICAL BRIGHTNESS. INPUTS SHALL INCLUDE HDMI, AUDIO MINI JACK, RS-232 AND IR EXTERNAL CONTROL. STANDARD VESA MOUNTING. TYPICAL DIMENSIONS ARE 48.6" X 27.9" X 1.82" AND 40 LBS. REFER TO ARCHITECURAL DRAWINGS FOR FINAL LOCATIONS AND HEIGHTS COORDINATE AC POWER AND BLOCKING AT ROUGH-IN FOR STANDARD WALL MOUNT, UON.	SHARP/NEC E558 PANASONIC SAMSUNG
AV-MON-86T	86" INTERACTIVE VIDEO DISPLAY: PROFESSIONAL COMMERCIAL GRADE INTERACTIVE TOUCH DISPLAY WITH UHD 3840 x 2160 RESOLUTION, 5000:1 CONTRAST RATIO, 178° VIEWING ANGLE, 400 NITS TYPICAL BRIGHTNESS. DISPLAY INCLUDES INTERNAL CPU WITH ACTIVEPANEL OS. INPUTS SHALL INCLUDE HDMI, AUDIO MINI JACK, RS-232, LAN, USB-A,B,C, MICROSD SLOT, BLUETOOTH AND IR EXTERNAL CONTROL. STANDARD VESA MOUNTING. TYPICAL DIMENSIONS ARE 77.8" X 47.6" X 4.4" AND 153.4 LBS. REFER TO ARCHITECURAL DRAWINGS FOR FINAL LOCATIONS AND HEIGHTS COORDINATE AC POWER AND BLOCKING AT ROUGH-IN FOR STANDARD WALL MOUNT, UON.	PROMETHEAN ACTIVPANEL 9 (86") OWNER APROVED EQUAL
AV-PP1-R	PORTABLE RACK AUDIO CONNECTIVITY PLATE: METAL 1RU AUDIO RACK PLATE FOR CONNECTION OF PORTABLE RACK TO AV-WP1-W. PROVIDE THREE QUANTITY XLR-M JACKS. REFER TO SPECIFICATION 27 41 00 FOR AV JACK REQUIREMENTS. LABELS ARE ENGRAVED. REFER TO DEATIL 3/TA4.00 FOR MORE INFORMATION.	WHIRLWIND CUSTOM PROCO ENTERTAINMENT METALS
AV-PP2-R	MAIN RACK CONNECTIVITY PLATE: METAL AUDIO RACK PLATE FOR CONNECTION OF BROADCAST VIDEO EQUIPMENT. PROVIDE ST-STYLE PANEL JACKS WITH SCREW ON CAP FOR VIDEO FIBER, BNC JACKS FOR VIDEO COAX AND XLR JACKS FOR AUDIO. REFER TO DETAIL 2/T4.00 FOR LAYOUT AND QUANTITY. LABELS ARE ENGRAVED. REFER TO DEATIL 2/TA4.00 FOR MORE INFORMATION.	WHIRLWIND CUSTOM PROCO ENTERTAINMENT METALS
AV-RKM-1	RACK MOUNTING KIT. 2U RACK MOUNTING CHASSIS SOLUTION FOR AJA DEVICES. PROVIDE WITH POWER SUPPLIES AND ACCESSORIES REQUIRED TO HOUSE THE SPECIFIED PRODUCTS.	AJA DRM
AV-SP1-C	MAIN LOUDSPEAKERS: LOUDSPEAKER CABINET INCLUDES 2X12" LF DRIVERS, 6X4" MIDRANGE DRIVERS, AND 1X1" HF DRIVER WITH 60 DEGREE X 90 DEGREE FULL RANGE COVERAGE ANGLE AND 48-18,000 HZ. FREQUENCY RESPONSE. MAXIMUM SPL OUTPUT IS 127 DB SPL CONTINUOUS / 133 DB-SPL PEAK. POWER HANDLING IS 2000W PROGRAM, 4000W PEAK AT 4 OHMS 1% DISTORTION TYPICAL. WEIGHT IS 116 LBS, AND DIMENSIONS ARE 34 X 21 X 17 IN. PROVIDE SPEAKER COLOR WHITE AND HARDWARE COLOR WHITE OR STAINLESS PROVIDE STANDARD 4" SQUARE BOX MOUNTED TO BULDING STEEL AT SUSPENSION LOCATION WITH 1" CONDUIT TO SECOND FLOOR SPEAKER JUNCTION BOX TJ1. PROVIDE SUPLEMENTAL STEEL AND PE RATED RIGGING FOR USE IN POOL/NATATORIUM CORROSIVE ENVIRONMENT. LOUDSPEAKER SHALL HAVE MANUFACTURER'S WEATHERIZED SYSTEM. COORDINATE SUSPENSION FROM BUILDING AND REVIEW ARCHITECTURAL, LIGHTING, AND MECHANICAL PLANS TO AVOID CONFLICTS BEFORE INSTALLATION. NEVER OCCLUDE SPEAKER FACE. PROVIDE 14AWG (W.P. 226) DUAL CABLE RUNS TO THIS DEVICE. LOUDSPEAKER AND MOUNT SHALL HAVE MANUFACTURER'S WEATHERIZED SYSTEM.	DANLEY SH-69 INSTALLATION VERSION WEATHERIZED VERSION COLOR WHITE
AV-SP2-W	LOUDSPEAKER PROVIDING 68 HZ TO 14.3 KHZ AT -3 DB OPERATING RANGE. POWER HANDLING SHALL BE 700 WATTS CONTINUOUS AND 2800 WATTS PEAK AT 4 OHMS. DIMENSIONS SHALL BE 60" H X 10" W X 9" D, WEIGHING 90 POUNDS PLUS MOUNT BY CONTRACTOR. HORN PATTERN SHALL BE 120° HORIZONTAL AND 20° VERTICAL. PRECISION AIM REQUIRED. PROVIDE SPEAKER COLOR WHITE AND HARDWARE COLOR WHITE OR STAINLESS. PROVIDE SINGLE GANG BACKBOX WITH 1"CONDUIT TO AV-ER-1 EQUIPMENT RACK. COORDINATE BACKBOX LOCATION WITH E.C. PROVIDE MANUFACTURER'S WEATHERPROOF WALL MOUNT FOR USE IN POOL/NATATORIUM CORROSIVE ENVIRONMENT. LOUDSPEAKER SHALL HAVE MANUFACTURER'S WEATHERIZED SYSTEM.	DANLEY SBH20LF DOWN ANGLE BRACKET INSTALLATION VERSION WEATHERIZED VERSION COLOR WHITE
AV-SP3-C	TILE GRID CEILING SPEAKER. HIGH PERFORMANCE. 6.5" COAX CEILING LOUDSPEAKER WITH 6.5" WOOFER AND 1" hf DRIVER. 120 DEGREE COVERAGE NOMINAL, 150 WATTS CONTINUOUS PROGRAM POWER AND 55 HZ TO 20KHZ FREQUENCY RESPONSE. 8 OHMS PLUS 70V/100V TAPS AT 60W, 30W, 15W (AND 7.5W @ 70V). 12" ROUND PORTED BAFFLE X 10.2" DEEP. PROVIDE IN COLOR WHITE TO MATCH CEILING AT EACH LOCATION. PROVIDE STANDARD SINGLE GANG BOX WITH 1" CONDUIT FROM AV-ER-1 RACK SERVING ZONE, UNO, FOR SPEAKER LINE TO EACH DISTRIBUTED SPEAKER ZONE WITH CIRCULATING CABLE TO EACH SPEAKER PER PLANS.	JBL CONTROL 47C/T QSC
AV-SSL-1	RACKMOUNTED SLIDING SHELF FOR PORTABLE MEDIA DEVICE: BLACK LAMINATE SLIDING SHELF WITH FULL 10" EXTENSION AND NYLON ROLLER SLIDES. SHELF IS 16"W X 13-3/4" D. MAXIMUM WEIGHT CAPACITY IS 35LBS.	MIDDLE ATLANTIC PRODUCTS SSL ATLAS LOWELL
AV-SW1-C	SUB-WOOFER: PASSIVE SUBWOOFER POWER HANDLING IS 1000W CONTINUOUS, 2000W PROGRAM AND 4000W PEAK AT NOMINAL IMPEDANCE OF 4 OHMS WITH 48HZ TO 250HZ OPERATING RANGE. SUBWOOFER DIMENSIONS SHALL BE 30"H X 18"W X 24"D WEIGHING 100 LBS. SUSPEND ABOVEMAIN SPEAKER ANGLED DOWN TO SEATING, PER PLANS. COORDINATE SUSPENSION FROM BUILDING STEEL. PROVIDE SPEAKER COLOR WHITE AND HARDWARE COLOR WHITE OR STAINLESS PROVIDE STANDARD 4" SQUARE BOX MOUNTED TO BULDING STEEL AT SUSPENSION LOCATION WITH 1" CONDUIT TO SECOND FLOOR SPEAKER JUNCTION BOX TJ1. PROVIDE SUPLEMENTAL STEEL AND PE RATED RIGGING. COORDINATE SUSPENSION FROM BUILDING AND REVIEW ARCHITECTURAL, LIGHTING, AND MECHANICAL PLANS TO AVOID CONFLICTS BEFORE INSTALLATION. NEVER OCCLUDE SPEAKER FACE. PROVIDE 14AWG DUAL CABLE RUNS TO THIS DEVICE. LOUDSPEAKER AND MOUNT SHALL HAVE MANUFACTURER'S WEATHERIZED SYSTEM IN WHITE.	DANLEY THMINI15 INSTALLATION VERSION WEATHERIZED VERSION COLOR WHITE NO EQUAL
AV-TJ1-W	JUNCTION BOX-SPEAKER CABLE PATHWAY. REFER TO TECHNOLOGY DRAWINGS FOR JUNCTION BOX WITH (2) 2-1/2" CONDUIT PATHWAY FOR SPEAKER CABLE PATH TO MAIN AV-ER-1. REFER TO TECHNOLOGY DRAWINGS T1.02 FOR MORE INFORMATION AND COORINDATE WITH T.C. AND E.C. BEFORE ROUGH-IN.	*
AV-TP1-R	TOUCHPANEL CONTROL - RACK MOUNT: 7" TFT ACTIVE MATRIX TOUCHPANEL WITH 1024X600 RESOLUTION AND FIVE PROGRAMABLE ICONS, BUILT IN MICROPHONE AND SPEAKER. PROVIDE WITH RACK MOUNT.	QSC TSC-70-G3 CRESTRON EXTRON
AV-TP1-W	TOUCHPANEL CONTROL - WALL MOUNT: 7" TFT ACTIVE MATRIX TOUCHPANEL WITH 1024X600 RESOLUTION AND FIVE PROGRAMABLE ICONS, BUILT IN MICROPHONE AND SPEAKER. PROVIDE TWO GANG RECESSED BACKBOX AT SWITCH HEIGHT WITH 1" CONDUIT TO MAIN AV RACK AV-ER-1.	QSC TSC-70-G3 CRESTRON EXTRON
AV-UD-3	RACKMOUNTED STORAGE DRAWER: THREE RACK SPACE UTILITY DRAWER WITH 15.97" USUABLE WIDTH, 15" DEEP.	MIDDLE ATLANTIC PRODUCTS UD3 ATLAS LOWELL
AV-VC1-W	WALL MOUNTED VOLUME CONTROL: 70V, 10W AUTOFORMER VOLUME CONTROL. PROVIDE STANDARD GANG BOX AT SWITCH HEIGHT WITH 3/4 " C. TO EXISTING PAGING/BACKGROUND MUSIC RACK. VERIFY RECESS FLUSH MOUNT OR SURFACE CONDITION AND DETAIL ON SHOPS. MAINTAIN EXISTING PAGING/MUSIC ZONES.	ATLAS AT-10 OR APPROVED EQUAL
AV-VRX-1	SDI FIBER RECEIVER: 4 CHANNEL SIMPLEX SINGLE CHANNEL SINGLE-MODE FIBER TO 3G-SDI WITH ST FIBER CONNECTIONS. CONNECTIONS INCLUDED (4) 3G/HD/SD-SDI OUTPUTS, (4) ST OPTICAL FIBER INPUTS AND 5-20VDC POWER.	AJA FIDO 4R-ST NO EQUAL
AV-VRX-2	HDMI FIBER RECEIVER: CONVERTS 12G-SDI FROM SINGLE CHANNEL ST FIBER TO HDMI 2.0 UP TO 4K 60p, PLUS RCA AUDIO OUTPUT, AND 5-20VDC POWER.	AJA Hi5-12G-R-ST
AV-VTX-1	SDI FIBER TRANSMITTER: 4 CHANNEL 3G-SDI TO SIMPLEX SINGLE CHANNEL SINGLE-MODE FIBER WITH ST FIBER CONNECTIONS. CONNECTIONS INCLUDED (4) 3G/HD/SD-SDI INPUTS, (4) ST OPTICAL FIBER OUTPUTS AND 5-20VDC POWER.	AJA FIDO 4T-ST NO EQUAL
AV-VTX-2	HDMI FIBER TRANSMITTER: CONVERTS HDMI 2.0 UP TO 4K 60p TO 12G-SDI WITH SINGLE CHANNEL ST FIBER TRANSMITTER, AND 5-20VDC POWER.	AJA HA5-12G-T-ST
AV-VW-1	PROFESSIONAL LED VIDEO WALL SCOREBOARD.	FURNISHED AND INSTALLED BY SCOREBOARD VENDOR
AV-WP1-W	MICROPHONE CONNECTIVITY PLATE WITH ENGRAVED LABELS: PROVIDE STAINLESS STEEL METAL WALL PLATE WITH XLR AUDIO JACKS AND XLR PRODUCTION INTERCOM JACKS. PROVIDE HEAVY-DUTY EXTERIOR GRADE CONNECTORS WITH GOLD CONTACTS FOR CORROSIVE POOL ENVIRONMENT. REFER TO SPECIFICATION 27 41 00 FOR MORE INFORMATION REFER TO DEATIL 4/TA4.00 FOR MORE INFORMATION. PROVIDE RECESSED, DEEP THREE GANG AV WALL BOX, HUBBELL HBL986, TYPICAL, AT OUTLET HEIGHT, UNO, WITH 1" CONDUIT FOR AUDIO CABLE AND 1" CONDUIT FOR PRODUCTION INTERCOM CABLE TO AV-ER-1.	WHIRLWIND CUSTOM PROCO ENTERTAINMENT METALS
AV-WP2-W	HDMI CONNECTIVITY PLATE WITH ENGRAVED LABELS AT NEW LOCATION: PROVIDE NEW STAINLESS STEEL METAL WALL PLATE, NEW CONNECTOR AND NEW TERMINATION FOR HDMI INPUT. PROVIDE HDMI VIDEO CABLE FROM WALL PLATE TO LOCAL DISPLAY PROVIDE DEEP TWO GANG AV WALL BOX WITH SINGLE GANG PLASTER RING, HUBBELL HBL985, TYPICAL, AT OUTLET HEIGHT, UNO, WITH 1-1/2" CONDUIT FOR AV CABLE TO ABOVE ACCESSIBLE CEILING.	WHIRLWIND CUSTOM PROCO ENTERTAINMENT METALS

JEFFERSONVILLE HIGH SCHOOL NATATORIUM

2315 ALLISON LN.
JEFFERSONVILLE, IN 47130

GREATER CLARK COUNTY SCHOOLS

GCCS

ARCHITECT

FANNING HOWEY

317-848-0966 **WWW.FHAI.COM**
350 EAST NEW YORK ST.

ISSUED FOR CONSTRUCTION

PROJECT MANAGER: RH
DRAWN BY: JTW
PROJECT NUMBER: 222038.00
PROJECT ISSUE DATE: 11/20/2023

REV. NO. △	DESCRIPTION	DATE
1	ADDENDUM #3	01/18/2024

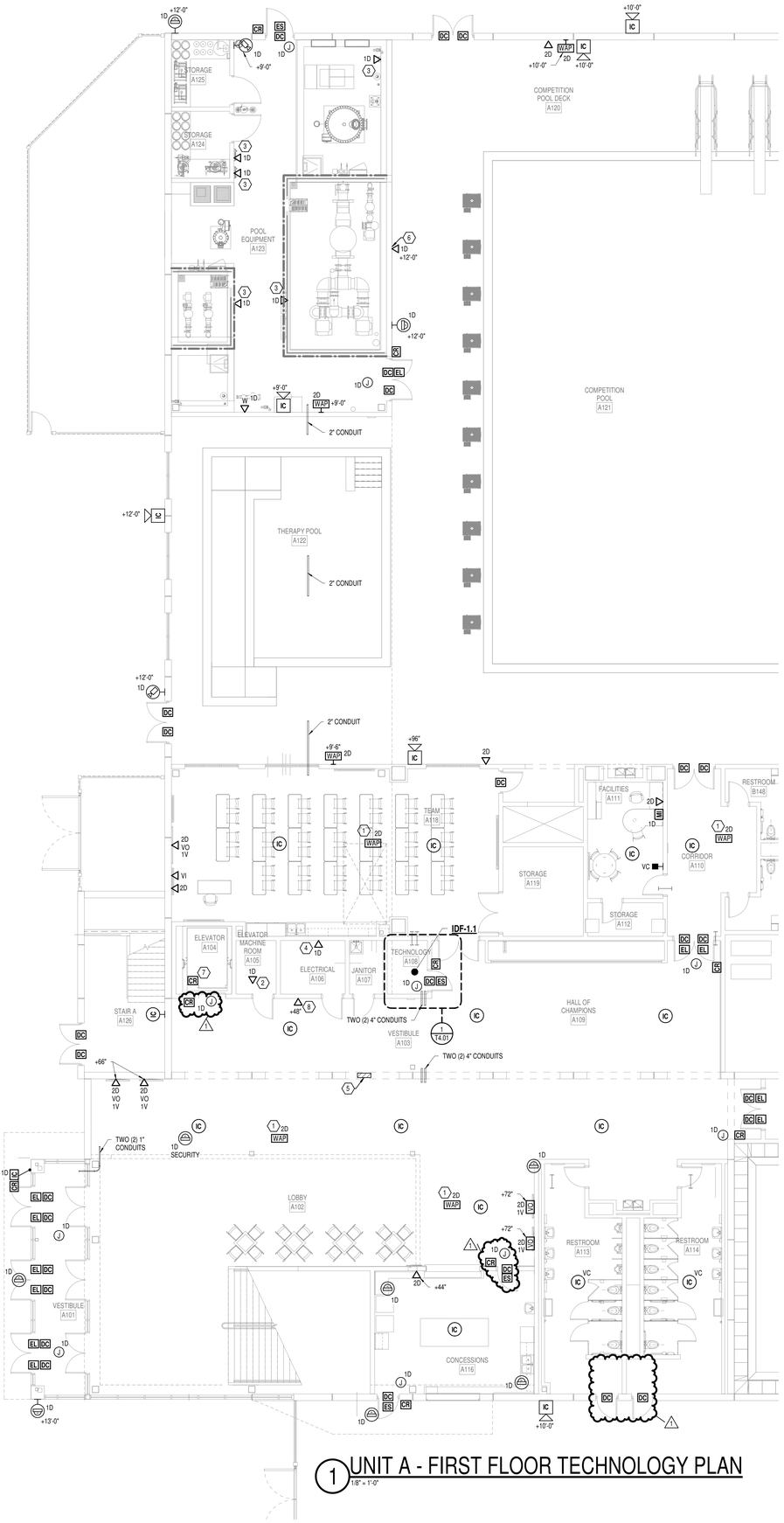
IMEG
www.imegcorp.com
NUMBER AND ADDRESS
SUITE NO.
CITY, STATE ZIP CODE
P: 555.555.555 F: 555.555.5555

<<<State Registration Number>>>

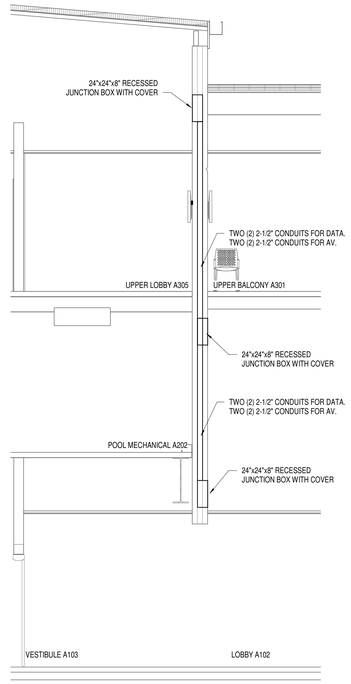
0 1 2 3
REF. SCALE IN INCHES
PROJECT #23003966.00

AUDIO/VIDEO SCHEDULES

TA6.00



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



2 TECHNOLOGY CABLING PATHWAY DETAIL - UNIT A
NOT TO SCALE

ROOM LEGEND - FIRST FLOOR UNIT A

ROOM NO.	Owner Room Number	ROOM NAME	Area (SF)
A101		VESTIBULE	282 SF
A102		LOBBY	3084 SF
A103		VESTIBULE	418 SF
A104		ELEVATOR	85 SF
A105		ELEVATOR MACHINE ROOM	48 SF
A106		ELECTRICAL	77 SF
A107		JANITOR	40 SF
A108		TECHNOLOGY	48 SF
A109		HALL OF CHAMPIONS	738 SF
A110		CORRIDOR	269 SF
A111		FACILITIES	195 SF
A112		STORAGE	58 SF
A113		RESTROOM	348 SF
A114		RESTROOM	363 SF
A115		ALCOVE	Not Placed
A116		CONCESSIONS	438 SF
A118		TEAM	1180 SF
A119		STORAGE	160 SF
A120		COMPETITION POOL DECK	3647 SF
A121		COMPETITION POOL	2711 SF
A122		THERAPY POOL	886 SF
A123		POOL EQUIPMENT	1585 SF
A124		STORAGE	87 SF
A125		STORAGE	87 SF
A126		STAIR A	191 SF
A127		ALCOVE	53 SF
Grand total: 26			

SHEET KEYNOTES

1. PROVIDE CATEGORY 6A DROP(S) FOR THE WIRELESS ACCESS POINT. PROVIDE 20FT. SLACK LOOP COILED NEATLY AND SUPPORTED ABOVE THE CEILING. TERMINATE CABLES WITH RJ45 MODULAR JACKS AND TEST PER SPECIFICATIONS. NOTE LOCATION ON THE RECORD DRAWINGS AND MARK LOCATION ON THE CEILING WITH A GREEN DOT STICKER.
2. PROVIDE DATA CABLE FOR ELEVATOR EQUIPMENT. COORDINATE WITH ELEVATOR EQUIPMENT CONTRACTOR PRIOR TO INSTALLATION.
3. PROVIDE DATA DROP FOR POOL EQUIPMENT. COORDINATE EXACT REQUIREMENTS AND LOCATION WITH POOL EQUIPMENT PRIOR TO INSTALLATION.
4. PROVIDE DATA CABLE FOR ELECTRIC METER CONTROL PANEL. COORDINATE EXACT REQUIREMENTS AND LOCATION WITH ELECTRICAL CONTRACTOR PRIOR TO INSTALLATION.
5. PROVIDE 24"x24"x8" RECESSED JUNCTION BOX WITH COVER ABOVE CEILING. PROVIDE FOUR (4) 2-1/2" CONDUITS UP TO JUNCTION BOX ON EQUIPMENT PLATFORM. SEE DETAIL 2/T1.01 FOR MORE INFORMATION.
6. PROVIDE 2-GANG JUNCTION BOX FOR FUTURE CAMER LOCATION AT +10'-0 A.F.F.
7. PROVIDE CABLING REQUIRED FOR CARD READER IN ELEVATOR.
8. PROVIDE AREA OF REFUGE MASTER STATION CABINET AT THIS LOCATION.

JEFFERSONVILLE HIGH SCHOOL NATATORIUM

2315 ALLISON LN.
JEFFERSONVILLE, IN 47130

GREATER CLARK COUNTY SCHOOLS

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ARCHITECT

FANNING HOWEY

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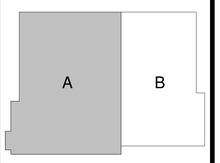
350 EAST NEW YORK ST.



KEY PLAN

ISSUED FOR CONSTRUCTION

KBSO #23062 OLUWASEUN ODUKOMAIYA REGISTERED No. 11300632 STATE OF INDIANA PROFESSIONAL ENGINEER 10/27/2023

PROJECT MANAGER: JM
DRAWN BY: QOJ
PROJECT NUMBER: 222038.00
PROJECT ISSUE DATE: 11/20/2023

REV. NO.	DESCRIPTION	DATE
1	ADDENDUM #3	01/18/2024

UNIT A - FIRST FLOOR TECHNOLOGY PLAN

T1.01

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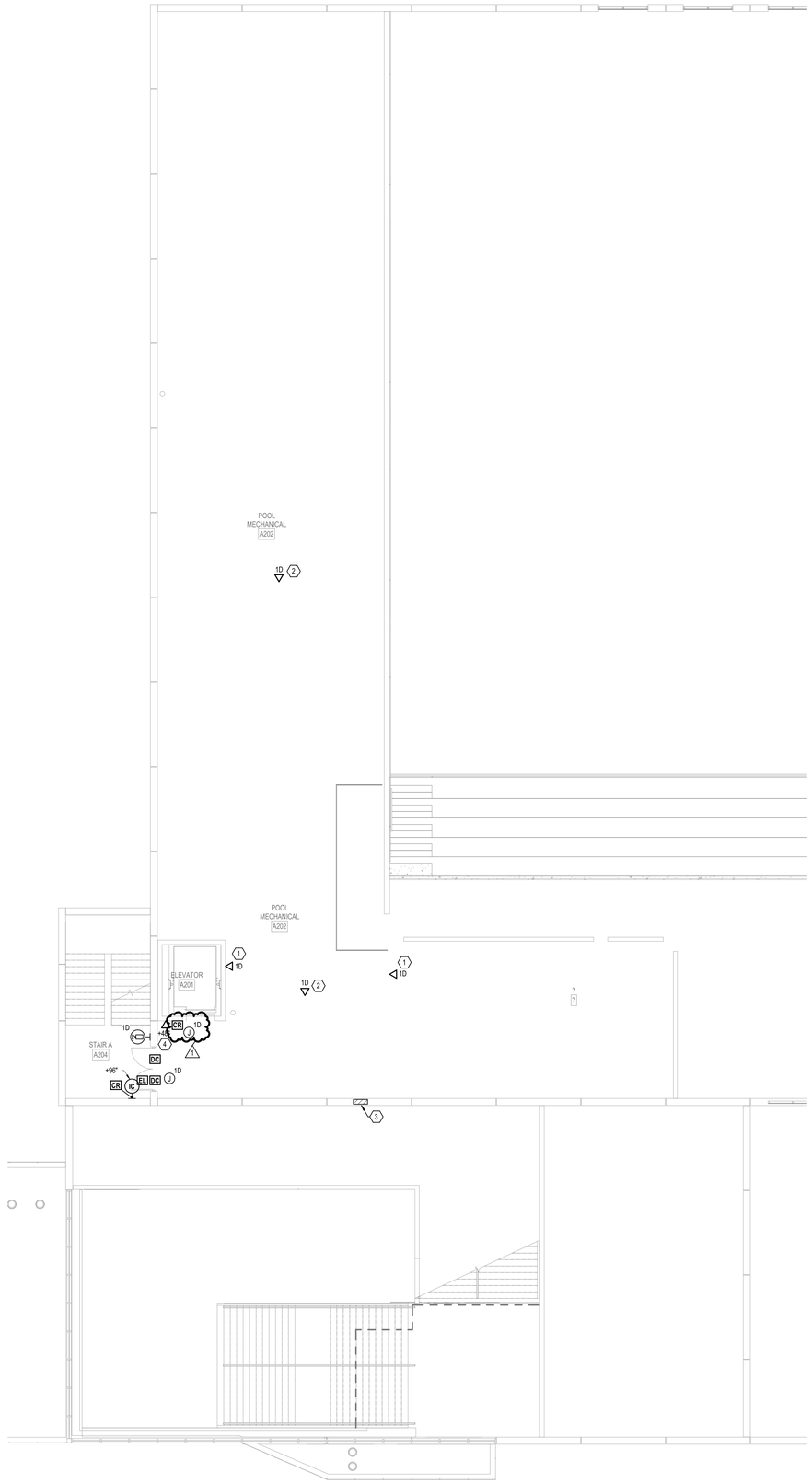
ROOM LEGEND - MEZZANINE UNIT A			
ROOM NO.	Owner Room Number	ROOM NAME	Area (SF)
A201		ELEVATOR	85 SF
A202		POOL MECHANICAL	5506 SF
A204		STAIR A	312 SF
Grand total: 3			

SHEET KEYNOTES

1. PROVIDE ONE (1) CATEGORY 6 DATA DROP FOR HVAC CONTROLLER. COORDINATE EXACT LOCATION WITH TEMPERATURE CONTROL CONTRACTOR PRIOR TO INSTALLATION.
2. PROVIDE DATA DROP FOR POOL EQUIPMENT. COORDINATE EXACT REQUIREMENTS AND LOCATION WITH POOL EQUIPMENT PRIOR TO INSTALLATION.
3. PROVIDE 24"x24"x8" RECESSED JUNCTION BOX WITH COVER ABOVE CEILING. PROVIDE FOUR (4) 2-1/2" CONDUITS UP TO JUNCTION BOX ON SECOND FLOOR. PROVIDE FOUR (4) 2-1/2" CONDUITS DOWN TO JUNCTION BOX ON FIRST FLOOR. SEE DETAIL 2/TI.01 FOR MORE INFORMATION.
4. PROVIDE AREA OF REFUGE MASTER STATION CABINET AT THIS LOCATION.



1 UNIT A - EQUIPMENT PLATFORM TECHNOLOGY PLAN
1/8" = 1'-0"

JEFFERSONVILLE HIGH SCHOOL NATATORIUM

2315 ALLISON LN.
JEFFERSONVILLE, IN 47130

GREATER CLARK COUNTY SCHOOLS

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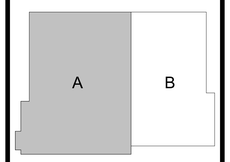

KEY PLAN

NORTH

ISSUED FOR CONSTRUCTION

KBSO #23062
OLUWASEUN ODUKOMAIYA
REGISTERED
No. 11300632
STATE OF INDIANA
PROFESSIONAL ENGINEER
10/27/2023

PROJECT MANAGER: JM
DRAWN BY: QDJ
PROJECT NUMBER: 222038.00
PROJECT ISSUE DATE: 11/20/2023

REV. NO.	DESCRIPTION	DATE
1	ADDENDUM #3	01/18/2024

UNIT A - EQUIPMENT PLATFORM TECHNOLOGY PLAN

T1.11

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ROOM LEGEND - SECOND FLOOR UNIT A			
ROOM NO.	Owner Room Number	ROOM NAME	Area (SF)
A301		UPPER BALCONY	1093 SF
A302		RESTROOM	354 SF
A303		RESTROOM	355 SF
A304		FAMILY RESTROOM	58 SF
A305		UPPER LOBBY	353 SF
A306		ELEVATOR	85 SF
A307		UPPER CONCESSIONS	171 SF
A308		JANITOR	51 SF
A309		STAIR A	312 SF
A310		CONCOURSE	1151 SF
A311		BLEACHERS	1158 SF
Grand total: 11			

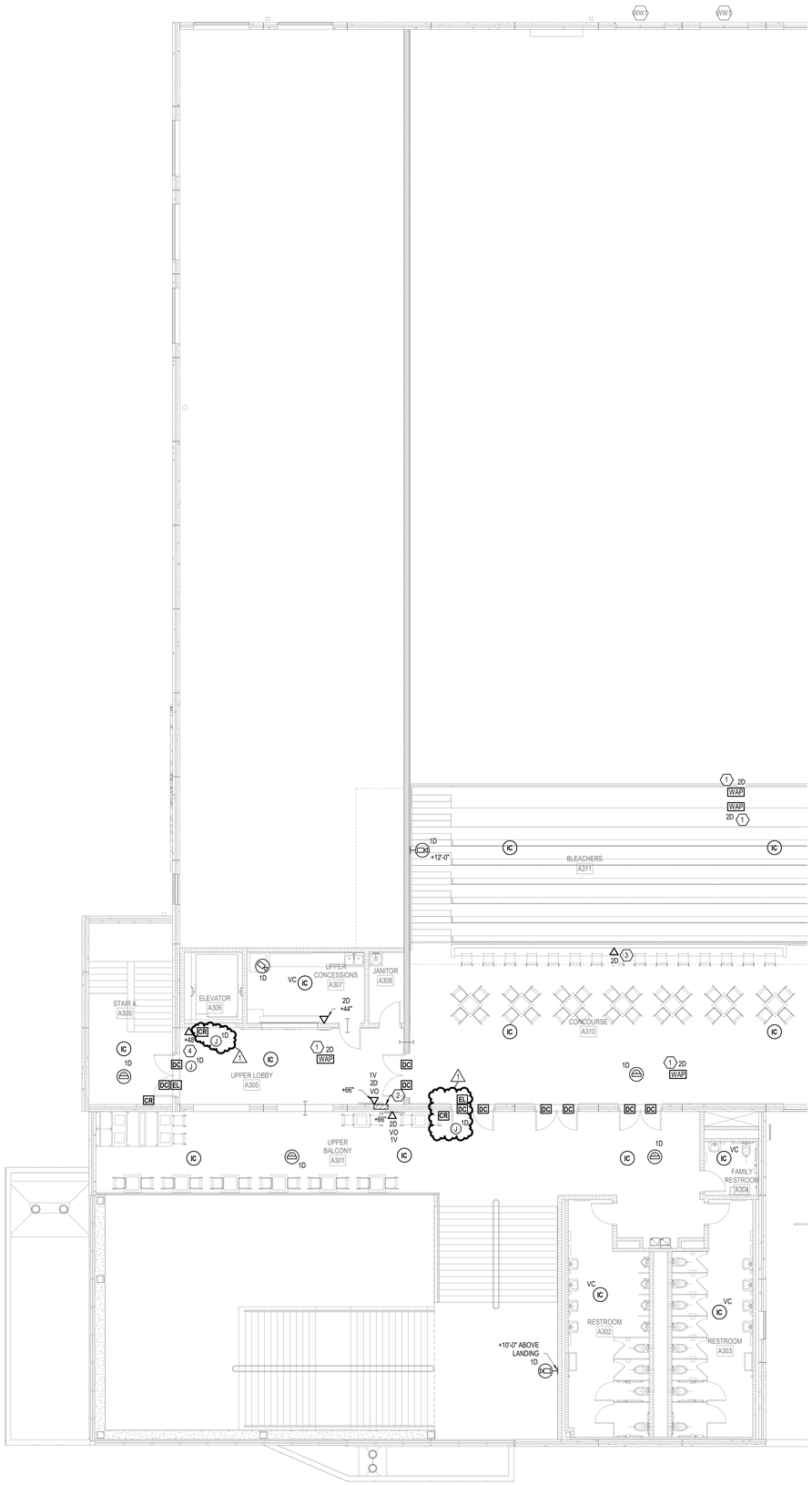
SHEET KEYNOTES

1 PROVIDE CATEGORY 6A DROP(S) FOR THE WIRELESS ACCESS POINT. PROVIDE 20FT. SLACK LOOP COILED NEATLY AND SUPPORTED ABOVE THE CEILING. TERMINATE CABLES WITH RJ45 MODULAR JACKS AND TEST PER SPECIFICATIONS. NOTE LOCATION ON THE RECORD DRAWINGS AND MARK LOCATION ON THE CEILING WITH A GREEN DOT STICKER.

2 PROVIDE 24"x24"x5" RECESSED JUNCTION BOX WITH COVER ABOVE CEILING. PROVIDE FOUR (4) 2-1/2" CONDUITS DOWN TO JUNCTION BOX ON EQUIPMENT PLATFORM. SEE DETAIL 2/TI.01 FOR MORE INFORMATION.

3 ROUTE CONDUITS DOWN TO BELOW.

4 PROVIDE AREA OF REFUGE MASTER STATION CABINET AT THIS LOCATION.



1 UNIT A - SECOND FLOOR TECHNOLOGY PLAN
1/8" = 1'-0"

JEFFERSONVILLE HIGH SCHOOL NATATORIUM

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JEFFERSONVILLE, IN 47130

GREATER CLARK COUNTY SCHOOLS

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KEY PLAN

ISSUED FOR CONSTRUCTION

KBSC #23062 OLUWASEUN ODUKOMAIYA REGISTERED No. 11300632 STATE OF INDIANA PROFESSIONAL ENGINEER 10/27/2023

PROJECT MANAGER: JM
DRAWN BY: QDJ
PROJECT NUMBER: 222038.00
PROJECT ISSUE DATE: 11/20/2023

REV. NO.	DESCRIPTION	DATE
1	ADDENDUM #3	01/18/2024

UNIT A - SECOND FLOOR TECHNOLOGY PLAN

T1.21

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