



Project # 25005 – SJCPL Western Branch Renovation/Addition
323 S Sheridan Street, South Bend, IN 46619

ADDENDUM No. 1

September 10th, 2025

This addendum and MEP addendum hereby becomes part of the Contract Documents. Each bidder shall acknowledge receipt of this addendum by number on the Bid Form.

It is each Prime Contractor's responsibility to notify all subcontractors of this addendum and provide copies for all sets of plans in their possession.

Item	Description
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1. General Items:

- (1) Pre-bid meeting occurred on site on September 05, 2025. The pre-bid agenda and sign-in sheet are attached to this addendum. Questions and answers from the pre-bid meeting are listed here:
 - (a) Question: Is there a basement?
 - (b) Answer: No existing or new basement.
 - (c) Question: Anticipated completion date?
 - (d) Answer: A: No completion date is provided. Contractors to include their anticipated completion date as part of their bid.
 - (e) Question: Any gas or electrical active in the building?
 - (f) Answer: Yes, some gas and some electrical, are still active. Shut off of services will be completed by owner as needed, contractors responsible for relocation as noted on drawings.
 - (g) Question: Is there any asbestos? Has all existing been removed?
 - (h) Answer: We do have an early report before the early demolition package. Some asbestos products were removed and disposed of during early demolition.
 - (i) Question: Is the existing slab staying?
 - (j) Answer: Existing floor slab is to remain. Some areas will need to be filled in where existing wood dance floor was located, and some areas will be sawcut for new under-slab utilities.
 - (k) Question: Are we to completely demo and remove existing under-slab utilities?
 - (l) Answer: Existing utilities can be cut and capped and then abandoned under the slab.
 - (m) Question: How thick is the existing slab?
 - (n) Answer: Assuming 4", but we do not have a verified slab thickness.
 - (o) Question: Are there site furnishes included in the project?
 - (p) Answer: Yes, some will be provided by contractor and some from owner. See Civil sheets for further information.
 - (q) Question: Will everything in the building currently be demolished?



435 E. Brackenridge St.
Fort Wayne, IN 46802
260.422.0783



3500 Depauw Blvd., Ste. 1089
Indianapolis, IN 46268
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- (r) Answer: The building structure, floor slab, select utilities, and portions of the existing kitchen are to remain. Everything else will be demolished and disposed of. Portions of the original wood floor is set to be reused in portions of the renovation and any unused flooring shall be disposed of by contractor.
- (s) Question: New roof, siding and interior? Is the existing slab remaining?
- (t) Answer: Correct, new roof on existing PEMB structure. New siding on existing PEMB purlins. Existing slab is to remain, see question above about infill areas.
- (u) Question: New sidewalk to match existing slab level?
- (v) Answer: Correct, the new sidewalk slab on the east side of the building will be removed and replaced to meet the building grade.
- (w) Question: Any work to be done on existing 'X' bracing?
- (x) Answer: Yes, structural has indicated relocation of bracing will be relocated and where some additional 'X' bracing will be needed.
- (y) Question: We might have to think about temporary bracing of the structure during demo and construction. Pre-engineered buildings are generally designed to be structurally sound with inclusion of envelope finishes included.
- (z) Answer: MKM will confirm temporary structural shoring/support during envelope replacement and answer via addendum.
- (aa) Question: Is there county funding? Responsible contractor policies? Subcontractors sometimes run into trouble.
- (bb) Answer: We require all contractors and subcontractors adhere to any state/ city/ county ordinances that apply. Please provide any specific requirements or ordinances we should include.
- (cc) Question: Profile of metal panel stays the same just different color on new exterior?
- (dd) Answer: Correct, the façade uses different colors of the same metal panel profile. The lower and upper portions of building will be different profiles per our elevations.
- (ee) Question: What type of insulation is being used?
- (ff) Answer: Spray foam on interior. Attach metal panels direct to sheathing. Fire rated plywood and commercial grade building wrap for exterior sheathing.

2. Specification Items:

- (a) **Specification 004113 BID FORM**
 - i. **Add:** Add Alternate #7 to the list of alternates on the first page. Use this modified bid form for the final bid submission. See attached.
- (b) **Specification 012300 ALTERNATES**
 - i. **Add:** Add language for Alternate #7 regarding site irrigation to the project. See attached.
- (c) **Specification 102239 FOLDING PANEL PARTITIONS**
 - i. **Add:** Acceptable alternate manufacturers for Electrically Operated, Continuously Hinged panels. Each accepted manufacturer shall adhere to current building designs or will be responsible for covering the cost to modify/upgrade adjacent design (partition pockets, structural support, electrical power requirements, etc.)
 - 1. Corflex 5900 Series Motorized Acoustic Partitions
 - 2. Moderco Signature 843-E Series
 - ii. **Add:** Acceptable alternate manufacturers for Manually Operated, Paired Panels. Each accepted manufacturer shall adhere to current building designs or will be responsible for covering the cost to modify/upgrade adjacent design (partition pockets, structural support, electrical power requirements, etc.)

1. Corflex 5500 Series Acoustic Paired Panel Partitions
2. Moderco Signature 800 Series

3. Drawing Items:

- (a) **Sheet C-200:**
 - i. **Clarification:** The monument sign will be provided by owner under a separate contract. Provide utilities to general location as part of this project.
- (b) **Sheet A-311: WALL SECTIONS**
 - i. **Add:** Add keynote 7.15 at face of foundation walls to show location of waterproofing.
 - ii. **Add:** Section 2/A-311 – keynotes added at the concrete landscaping stem wall.
 - iii. **Modification:** Section 3/A-311 – replace keynote 7.12 with 7.06 to indicate wall insulation shall be spray foam insulation.
- (c) **Sheet A-312: WALL SECTIONS**
 - i. **Add:** Add keynote 7.15 at face of foundation walls to show location of waterproofing.
 - ii. **Add:** Section 2/A-311 – keynotes added at the concrete landscaping stem wall.
- (d) **Sheet A-401: ENLARGED PLANS & INTERIOR ELEVATIONS**
 - i. **Clarification:** Elevation 8/A-401. Provide window film basis-of-design: Llumar DR-15 on interior window “K”.
 - ii. **Clarification:** Section 11/A-401. Additional note(s) on materials. See attached.
- (e) **Sheet A-406: INTERIOR ELEVATIONS**
 - i. **Clarification:** Elevations cleaned up to remove excess mechanical equipment documentation.
- (f) **Sheet A-406 & A-611**
 - i. **Clarification:** Window film basis-of-design: 3m Fasara Crystal Glass Finishes 7725SE-324, Frosted Crystal. Confirm final location with owner on site.
- (g) **Sheet A-313 & A-315**
 - i. **Add:** Acceptable alternate product for the listed basis-of-design expansion joint products on the listed sheets:
 1. ELCW-Series Drywall Bead Application System
 2. CSS-Series Pre-Compressed Foam Seal (Vertical Application)

4. Attachments:

- (a) Pre-Bid agenda and Sign-in sheet
- (b) **Architectural Specifications:** 004113, 012300
- (c) **Architectural Sheets:** A-311, A-312, A-401, A-406
- (d) **Mechanical Addendum Coversheet**
- (e) **Mechanical Sheets:** P100, P110, P501, M001, M501, M801, E110, E210, E211

End of Addendum 1

Sincerely,

MKM architecture + design


Benjamin D. McHugh, AIA,
Senior Associate

P:\25005 St. Joe County Public Library Western Branch\Drawing\4Contract\Addenda\Addendum 1\01_2025-09-10_SJCPL
Western_Addendium 1 - Cover.docx

SJCPL WESTERN RENOVATION & ADDITION - PRE-BID MEETING AGENDA

St. Joe County Public Library – Western Branch
323 Sheridan Street, South Bend, IN 46619

September 05, 2025 | 11:00 AM

- A. *Description of Project:* The project consists of interior renovations consisting of new rooms, finishes, casework, and MEP improvements as well as a small addition on the building's south facade. The project also includes exterior renovations consisting of landscape upgrades and sidewalk / parking lot repair. The work extents are indicated in the Contract Documents.
- B. *Bid Submission:* Bids will be due no later than 1:00 PM on Wednesday, September 24, 2025 at the SJCPL Main Branch Library, located at 304 S. Main Street, South Bend, IN 46601 at the Third Floor Administrative Offices. Bid envelopes shall contain the project name, bidder's name, address, account number, and shall be addressed to the St. Joe County Public Library. Bids shall be guaranteed for sixty (60) days and should be submitted in duplicate on the Account Bid Proposal Form and Indiana State Board of Accounts Form 96 with attached Financial Statements, properly signed and notarized Non-Collusion Affidavit, as well as all other requirements. See specifications for more information. Bids will be opened publicly immediately afterward at 1:00 PM and read aloud at the Third Floor Administrative Offices.
- C. *Schedule:* Mobilization can begin after contract has been awarded and signed. Construction assumed to begin October 13, 2025.
- D. *Notice to Bidders:* This project does not have a pre-defined wage scale.
- E. *Questions and Clarifications:* Questions are to be emailed to Ben McHugh and Adam Jarosik (BMcHugh@MKMdesign.com). (AJarosik@MKMdesign.com)
- F. *Access to the Building:* If any bidder would like to schedule a time to visit the building to review non-public areas, requests should be filed with the Architect via email.
- G. *Access to Project Documents:* All contract documents can be accessed by contacting the Eastern Engineering Plan room, located at 1239 North Wells Street, Fort Wayne, Indiana 46808 (260-426-3119). Prints can be purchased through <http://easternengineering.com>
- H. *Addenda:* All official addenda will be issued through the Eastern Engineering virtual plan room. Hardcopies will also be available at the library for reference and review.
- I. *Bonds:* The cost of the bonds is to be included within the base bid. Performance, Labor, and Material Payment Bonds will be required by the Owner for 100% of the contract amount.
- J. *Tax Exemption:* The Owner is exempt of all state and local taxes. Therefore, the state and local taxes are not to be included within bids. The Owner's Tax Exempt Number will be supplied to the successful bidder.
- K. *Questions:*

cc: Stephanie Murphy, All Plan Holders, MKM File



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ST. JOE COUNTY PUBLIC LIBRARY – WESTERN BRANCH RENOVATION & ADDITION

PRE-BID MEETING SIGN-IN

September 05, 2025 at 11:00 AM

NAME	REPRESENTING	Email	phone
David Pason	majority Builders	dave@majoritybuilders.com	574-276-7860
Joe Gaeplach	STEPL		
Timmarey	Braun & Braun	Bids@BBGC.US	269-330-4039
GARY PASON	MAJORITY BUILDERS	GARYPC@MAJORITYBUILDERS.COM	574-260-6844
Justin Steinbeck	D.A. Dodd	justinsteinbeck@daddadl.com	219-778-4302
JAMES SCHUBERT	MSI	jschubert@msi-inc.com	574-710-0246
JERRY REED	EXCAVATING	J REED 154012@gmail.com	574-298-1361
Eddie Spence	Larson-Danielson	ecs@ldconstruction.com	219-575-6040
Jeffery Acton	Millwood Roofing & Construction	jeffery.e.millwood@construction.com	574-527-7812
Colin Campbell	Ziolkowski	ccampbell@zbuild.com	974-297-1811
Doug Delio	CMRCC	DDelio@cmrcc.com	574-395-8801
Jon Stamper	Core Mechanical	jon.stamper@core-m-s.com	574-933-1754
Myah Garcia	Core Mechanical	myah.garcia@core-m-s.com	(561) 801-4881

ST. JOE COUNTY PUBLIC LIBRARY – WESTERN BRANCH RENOVATION & ADDITION

PRE-BID MEETING SIGN-IN

September 05, 2025 at 11:00 AM

NAME

REPRESENTING

Matt Coleman

TRHC

Email phone McColeman@RobertHenryCorp
.com

574-229-7183

Email _____
phone _____

Email _____
phone _____

Email _____
phone _____

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SECTION 004113 - BID FORM

Bids will be received until 1:00 p.m. local time (EDT), September 24, 2025 for the "SJCPL Western Addition/Renovation". Bids shall be delivered to SJCPL Main Branch Library – Third Floor Administrative Office

Bidder Company Name, Address and Phone Number:

BASE BID (including Taxes, fees, unit prices, permits, allowances, etc). \$ _____

Alternate 1: Basketball Court	ADD \$ _____
Alternate 2: East Play Area	ADD \$ _____
Alternate 3: West Site Development	ADD \$ _____
Alternate 4: Specialty Ceiling Product	ADD / DEDUCT \$ _____
Alternate 5: Wood Wallcovering	DEDUCT \$ _____
Alternate 6: Motorized Operable Wall	DEDUCT \$ _____
Alternate 7: Site Irrigation	ADD \$ _____

Owner reserves the right to choose any combination of Alternates as part of the "scope of work".

Anticipated start date: _____

Anticipated completion date for Substantial Completion (for all phases): _____

Bid Submission Checklist:

- ☐ Sealed Envelope
- ☐ Bid Form
- ☐ State Form No. 96
- ☐ Bid Security Certificate
- ☐ Financial Statement

1.1 CONTRACTOR'S LICENSE

- A. The undersigned further states that it is a duly licensed contractor, for the type of work proposed herein and that all fees, permits, etc., pursuant to submitting this proposal have been paid in full.

1.2 SUBMISSION OF BID

- A. Respectfully submitted this ____ day of _____, 2025.
- B. Submitted By: _____ (Bidding firm or corporation).
- C. Authorized Signature: _____ (Handwritten signature).
- D. Signed By: _____ (Type or print name).
- E. Title: _____ (Owner/Partner/President/Vice President).
- F. Witnessed By: _____ (Handwritten signature).
- G. Attest: _____ (Handwritten signature).
- H. By: _____ (Type or print name).
- I. Title: _____ (Corporate Secretary or Assistant Secretary).
- J. Street Address: _____.
- K. City, State, Zip: _____.
- L. Phone: _____.
- M. License No.: _____.
- N. Federal ID No.: _____ (Affix Corporate Seal Here).

NOTES:

Requests for substitutions must be complete and received by the architect not less than five business days before bid date.

1. Refer to the Bid Terms and Condition for additional information.
2. Most specification sections in the Project Manual contain requirements for qualifications, quality assurance and/or accepted products and materials. In submitting a bid each bidder warrants that all materials, suppliers, and subcontractors meet the stated requirements. Rejection by Architect or Owner of any materials, supplier, or subcontractor failing to meet the requirements will not be cause for any increase in project cost or schedule.
3. Guarantee of Prices: By signing and submitting a proposal, Bidder agrees to guarantee the bids (prices) for sixty (60) consecutive days from date of submittal and to enter into an agreement with the Owner to perform work for the stated bid sums at any time during this period. Further, the Bidder agrees to guarantee Alternate Bid Sums for those Alternate Bids not initially acceptable in the Notice of Award or Agreement for an additional sixty (60) days from the date of Notice of Award.
4. No bidder, after being awarded the contract, shall be allowed any extra compensation for reason of his failure to inform himself/herself fully, prior to his bidding, of all requirements of the contract documents, drawings, specifications, and the circumstances of the building site.
5. Bidders represent that at the time bids are submitted for consideration, have no questions regarding ambiguity and are submitting bids that will result in a project completed as per the intent of the plans and specifications.
6. Failure to bid requested alternates not listed as optional may be considered justification for rejection of the entire bid.

Bidder's Authorized Signature: _____

Printed Name and Title: _____

Addenda Received: _____

END OF SECTION 004113

SECTION 012300 – ALTERNATES

PART 1 - GENERAL

1.1 SUMMARY

- A. Section includes administrative and procedural requirements for alternates.

1.2 DEFINITIONS

- A. Alternate: An amount proposed by bidders and stated on the Bid Form for certain work defined in the bidding requirements that may be added to or deducted from the base bid amount if the Owner decides to accept a corresponding change either in the amount of construction to be completed or in the products, materials, equipment, systems, or installation methods described in the Contract Documents.
 - 1. Alternates described in this Section are part of the Work only if enumerated in the Agreement.
 - 2. The cost or credit for each alternate is the net addition to or deduction from the Contract Sum to incorporate alternates into the Work. No other adjustments are made to the Contract Sum.

1.3 PROCEDURES

- A. Coordination: Revise or adjust affected adjacent work as necessary to completely integrate work of the alternate into Project.
 - 1. Include as part of each alternate, miscellaneous devices, accessory objects, and similar items incidental to or required for a complete installation whether or not indicated as part of alternate.
- B. Execute accepted alternates under the same conditions as other work of the Contract.
- C. Schedule: A schedule of alternates is included at the end of this Section. Specification Sections referenced in schedule contain requirements for materials necessary to achieve the work described under each alternate.

PART 2 - EXECUTION

2.1 SCHEDULE OF ALTERNATES

A. **Alternate No. 1: Basketball Court (Add)**

- 1. **Base Bid:** Provide the base bid site development as shown on the civil drawings.

2. **Alternate:** Add the basketball court paving and equipment as shown on the alternate civil drawings.

B. Alternate No. 2: East Play Area (Add)

1. **Base Bid:** Provide the base bid site development as shown on the civil drawings.
2. **Alternate:** Add the site development including but not limited to; play equipment, paving, and landscaping as shown on the alternate civil drawings.

C. Alternate No. 3: West Site Development (Add)

1. **Base Bid:** Provide the base bid site development as shown on the civil drawings.
2. **Alternate:** Add the paving, additional landscaping, and site furniture as shown on the alternate civil drawings.

D. Alternate No. 4: Specialty Ceiling Alternate Product (Add / Deduct)

1. **Base Bid:** Provide the basis of design specialty ceiling product: Turf: Freeform Acoustic Ceiling Baffle.
2. **Alternate:** Modify the specialty ceiling basis-of-design product from Turf Freeform custom layout to CSI Creative: Single Baffles 002 (BFL-SGL-002).

E. Alternate No. 5: Wood Wallcovering (Deduct)

1. **Base Bid:** Provide the wood veneer wallcovering (WC-1) as detailed on the drawings.
2. **Alternate:** Deduct the wallcovering product from the scope. Retain the control joints as dimensioned on the Interior Elevations using typical drywall control joint products.

F. Alternate No. 6: Motorized Operable Wall (Deduct)

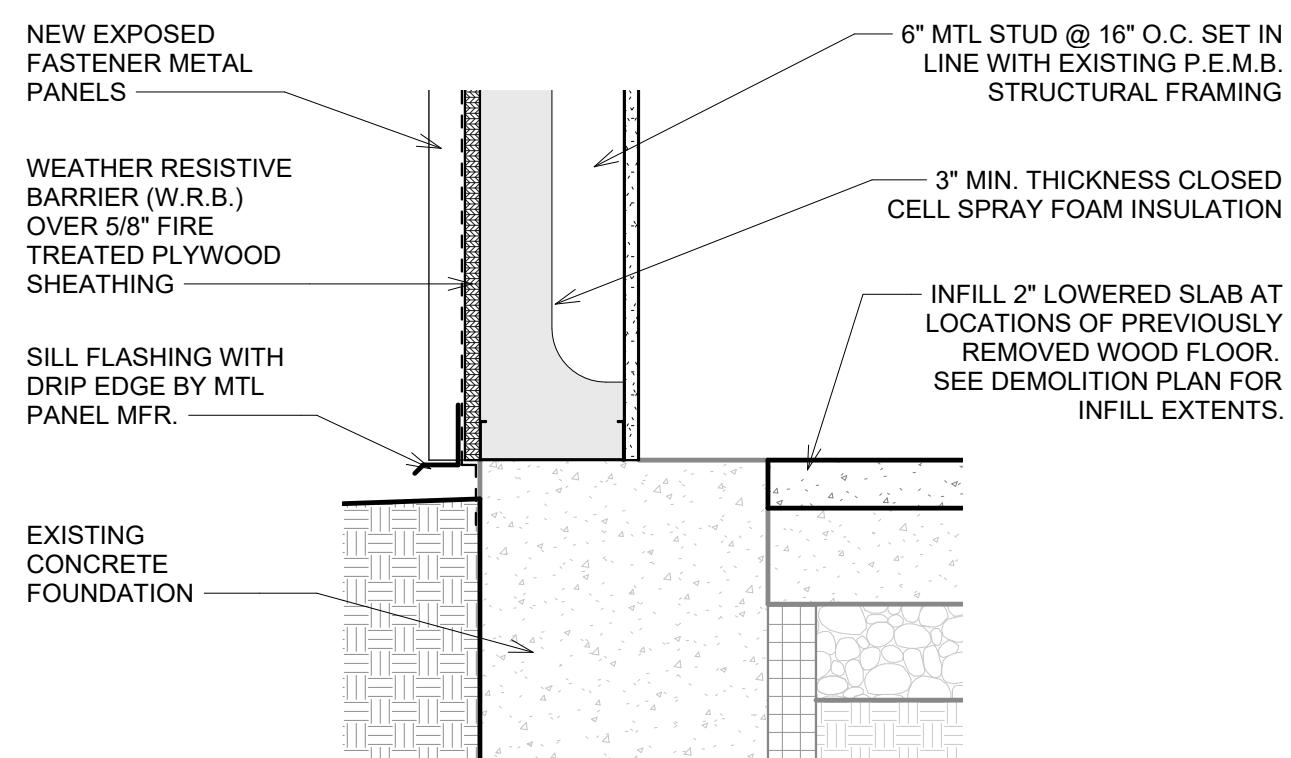
1. **Base Bid:** Provide the motorized, operable wall in Large Meeting Room 118 as shown in the construction documents.
2. **Alternate:** Deduct – Provide a manual operated operable wall of the same length and height. See specifications for motorized and manual basis-of-design product information.

G. Alternate No. 7: Site Irrigation (Add)

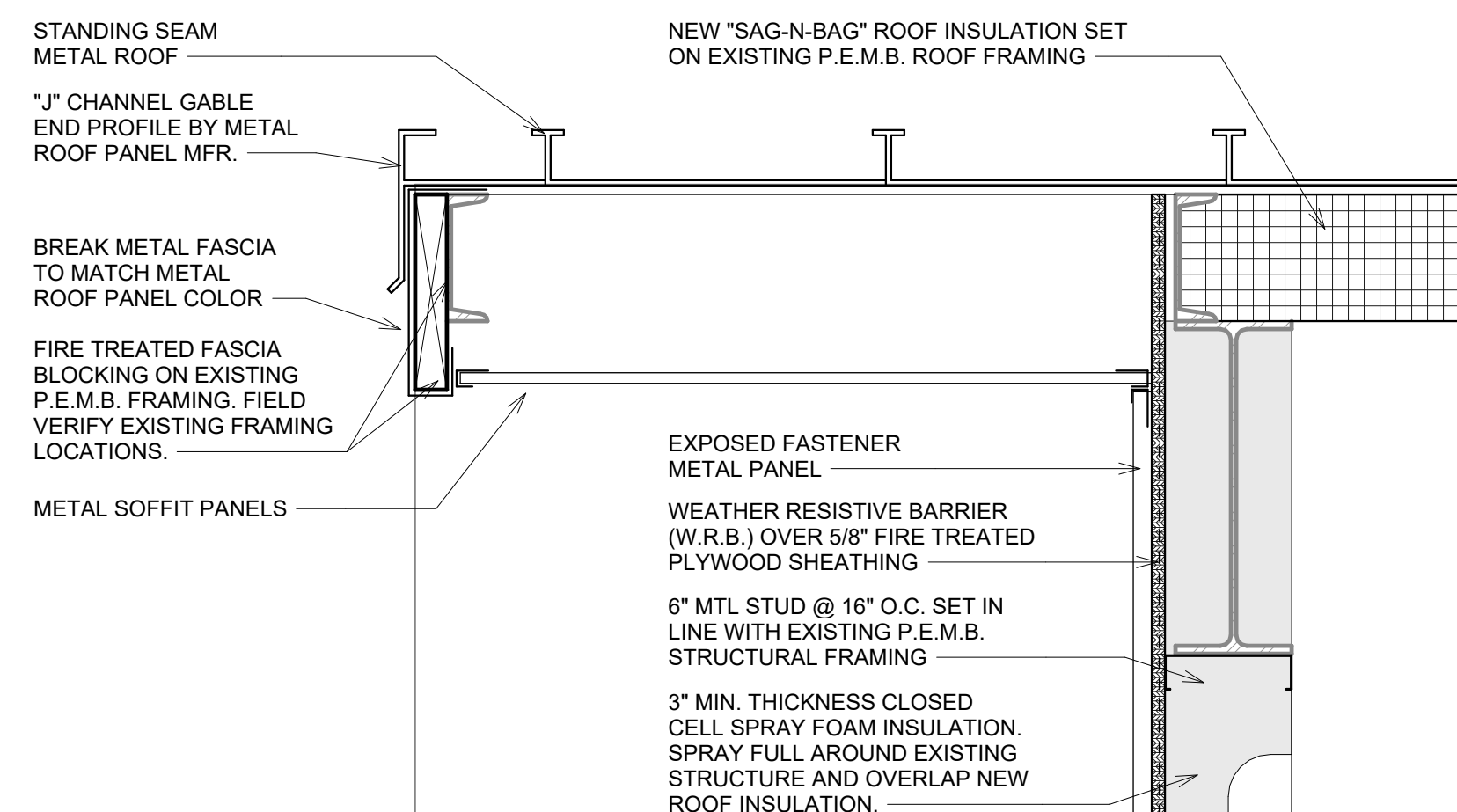
1. **Base Bid:** No irrigation required for base bid.
2. **Alternate:** Add - The contractor shall provide irrigation to the parcel in the areas shown on the Irrigation Zones drawing. The irrigation sub-contractor is responsible for design and installation of the irrigation system and shall provide proposed design drawings to Architect for approval prior to installation.

END OF SECTION 012300

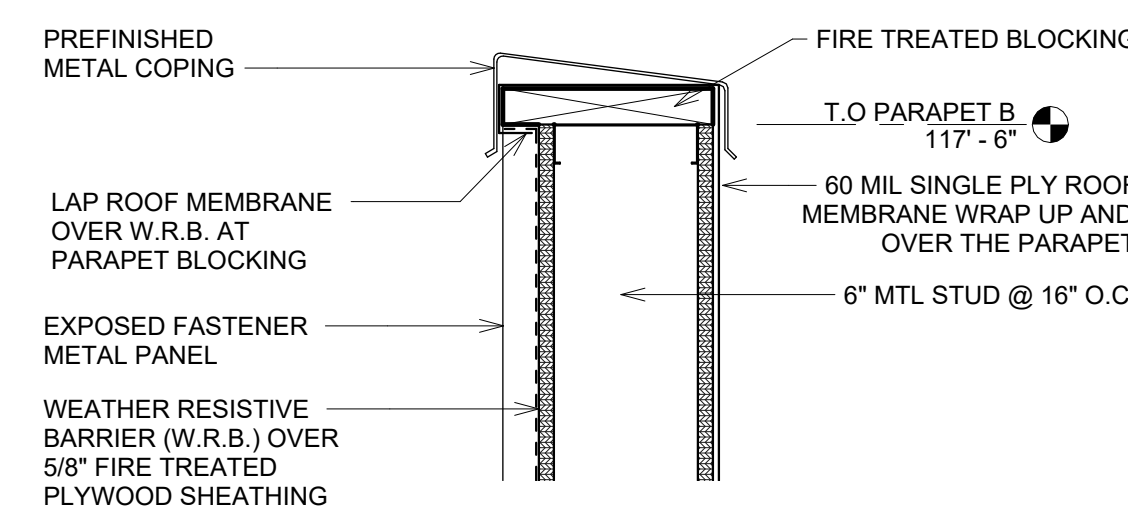
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Autodesk, Inc. / 7/20/2025 St. Joe County Public Library Western Branch, MM, Cloud.rvt



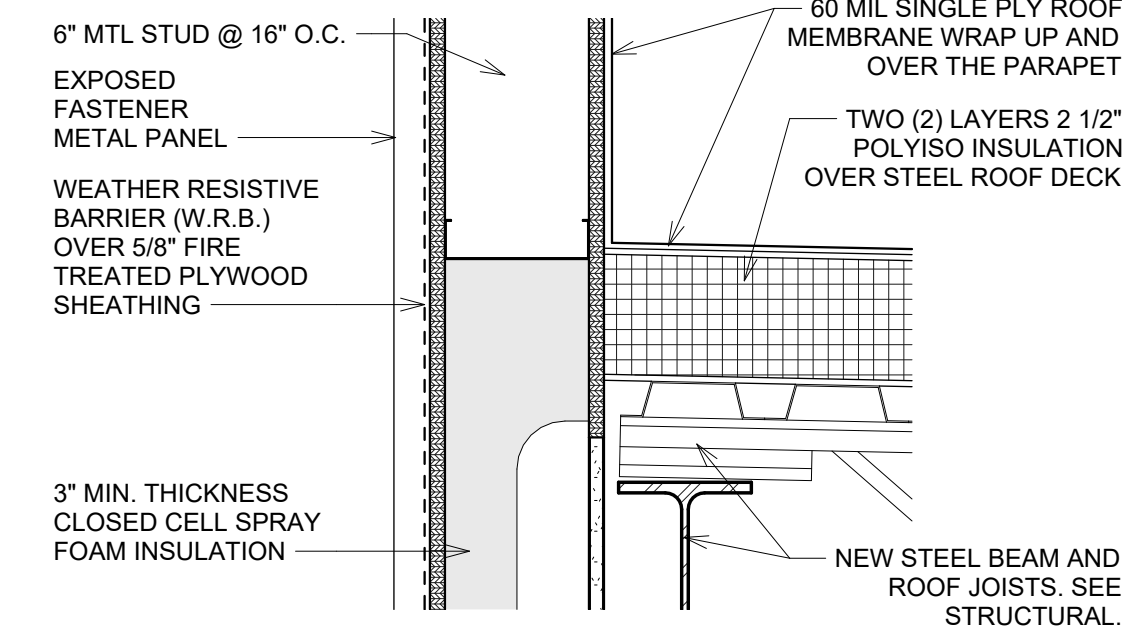
9 FOUNDATION DTL.
1 1/2" = 1'-0"



8 ROOF @ MTL. SIDING
1 1/2" = 1'-0"



7 PARAPET TOP CAP DTL.
1 1/2" = 1'-0"



6 PARAPET INSULATION
1 1/2" = 1'-0"

ELEVATION/WALL SECTION NOTES

- DIV 3 - CONCRETE
3.01 NEW CONCRETE FOUNDATION. SEE STRUCTURAL.
3.02 NEW CONCRETE FLOOR SLAB OVER VAPOR BARRIER. SEE STRUCTURAL FOR MORE INFO.
3.03 EXISTING CONCRETE FLOOR SLAB TO REMAIN. INFILL 2" RECESSED PORTIONS AT PREVIOUS
3.04 NEW CONCRETE STOOP. SEE STRUCTURAL.
3.05 EXISTING CONCRETE FOUNDATION TO REMAIN. FIELD VERIFY EXISTING DEPTH.
3.06 EXISTING CONCRETE FLOOR SLAB TO REMAIN.
3.07 NEW CONCRETE LANDSCAPING STEM WALL.

- DIV 4 - MASONRY
4.01 Text
- DIV 5 - METALS
5.01 NEW STANDING SEAM METAL ROOF INSTALLED OVER EXISTING PURLINS.
5.02A BASIS OF DESIGN: PAC-CLAD PAC-T-250
5.02B NEW EXPOSED FASTENER METAL SIDING (TYPE "A")
5.03 NEW EXPOSED FASTENER METAL SIDING (TYPE "B")
5.04 NEW METAL SIDING WRAPPED COLUMN
5.05 NEW 6" METAL STUD WALL @ 16" O.C.
5.06 NEW 3 5/8" METAL STUD WALL @ 16" O.C.
5.07 EXISTING STEEL PURLIN TO REMAIN. FIELD VERIFY DIMENSIONS OF STEEL PROFILE.
5.08 EXISTING STEEL GIRT TO REMAIN. FIELD VERIFY ELEVATION.
5.09 PRE-FINISHED METAL TRIM AT TRANSITION FROM METAL SIDING TYPE "A" TO TYPE "B"
5.10 EXISTING PEMB STRUCTURAL FRAME TO REMAIN. PROTECT DURING CONSTRUCTION.
5.11 NEW CORRUGATED METAL ROOF DECK.
5.12 NEW EXTERIOR ROOF ACCESS LADDER.
5.13 NEW LOUVERED SUN-SHADE.

- DIV 6 - WOOD, PLASTICS, AND COMPOSITES
6.01 NEW 5/8" FIRE TREATED PLYWOOD SHEATHING ON BACK SIDE OF PARAPET.
6.02 NEW 5/8" FIRE TREATED PLYWOOD SHEATHING.

- DIV 7 - THERMAL AND MOISTURE PROTECTION
7.01 NEW PRE-FINISHED METAL GUTTER
7.02 NEW PRE-FINISHED METAL DOWNSPOUT
7.03 PRE-FINISHED METAL COPING
7.04 60 MIL SINGLE PLY ROOF MEMBRANE. EXTEND ROOFING MEMBRANE VERTICALLY UP PARAPET AND TERMINATE AT FRONT SIDE OF COPING BLOCKING.
7.05 TWO (2) LAYERS OF 2.5" POLYISO INSULATION ABOVE METAL DECK.
7.06 3" MINIMUM CLOSED CELL SPRAY FOAM INSULATION IN STUD WALL.
7.08 WEATHER RESISTIVE BARRIER OVER SHEATHING.
7.09 TERMINATE SPRAY FOAM INSULATION IN LINE WITH THE ROOFING INSULATION.
7.10 2" RIGID FOUNDATION INSULATION.
7.11 NEW 'SAG-N-BAG' INSULATION AT EXISTING PEMB CEILING STRUCTURE. FIELD VERIFY EXISTING GIRT AND PURLIN LOCATIONS.
7.12 NEW 'SAG-N-BAG' INSULATION AT EXISTING PEMB ROOF. FIELD VERIFY EXISTING GIRT AND PURLIN LOCATIONS.
7.14 8" TALL VINYL PRIVACY FENCE
7.15 SUBSURFACE WATERPROOFING. SEE SPECIFICATIONS.

- DIV 8 - OPENINGS
8.01 NEW STOREFRONT WINDOW SYSTEM

- DIV 9 - FINISHES
9.01 5/8" GYPSUM WALL BOARD
9.02 LAY-IN CEILING. SEE RCP FOR MORE INFO.
9.03 5/8" TYPE "X" GYPSUM BOARD
9.04 5/8" GYPSUM CEILING ON METAL STUD. SEE RCP FOR MORE INFO.
9.05 PAINT DOUBLE WALL INSULATED DUCTWORK. TO BE SHOP-PRIMED.

- DIV 10 - SPECIALTIES
10.01 DIMENSIONAL LETTER SIGNAGE. 2" TALL X 1" DEEP. INSTALLED ON OFFSETS THROUGH FACADE.

- DIV 11 - EQUIPMENT
11.01 Text

- DIV 12 - FURNISHINGS
12.01 Text

- DIV 13 - SPECIAL CONSTRUCTION
13.01 Text

- DIV 14 - CONVEYING EQUIPMENT
14.01 Text

- DIV 21 - FIRE PROTECTION
21.01 Text

- DIV 22 - PLUMBING
22.01 ROOF DRAIN

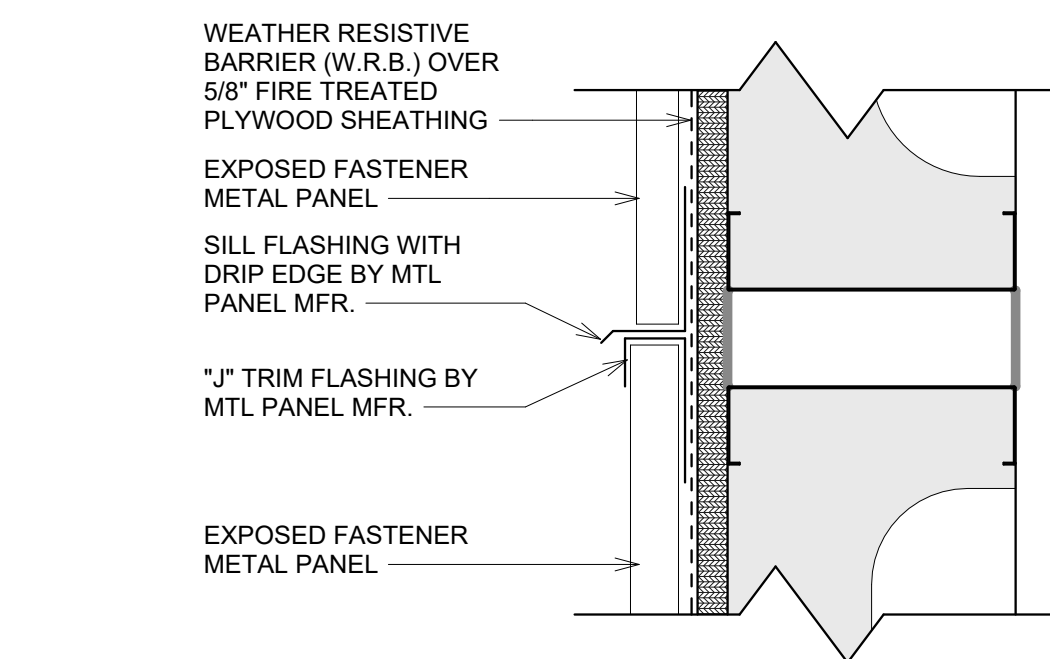
- DIV 23 - HEATING, VENTILATION, AND AIR CONDITIONING
23.01 Text

- DIV 26 - ELECTRICAL
26.01 Text

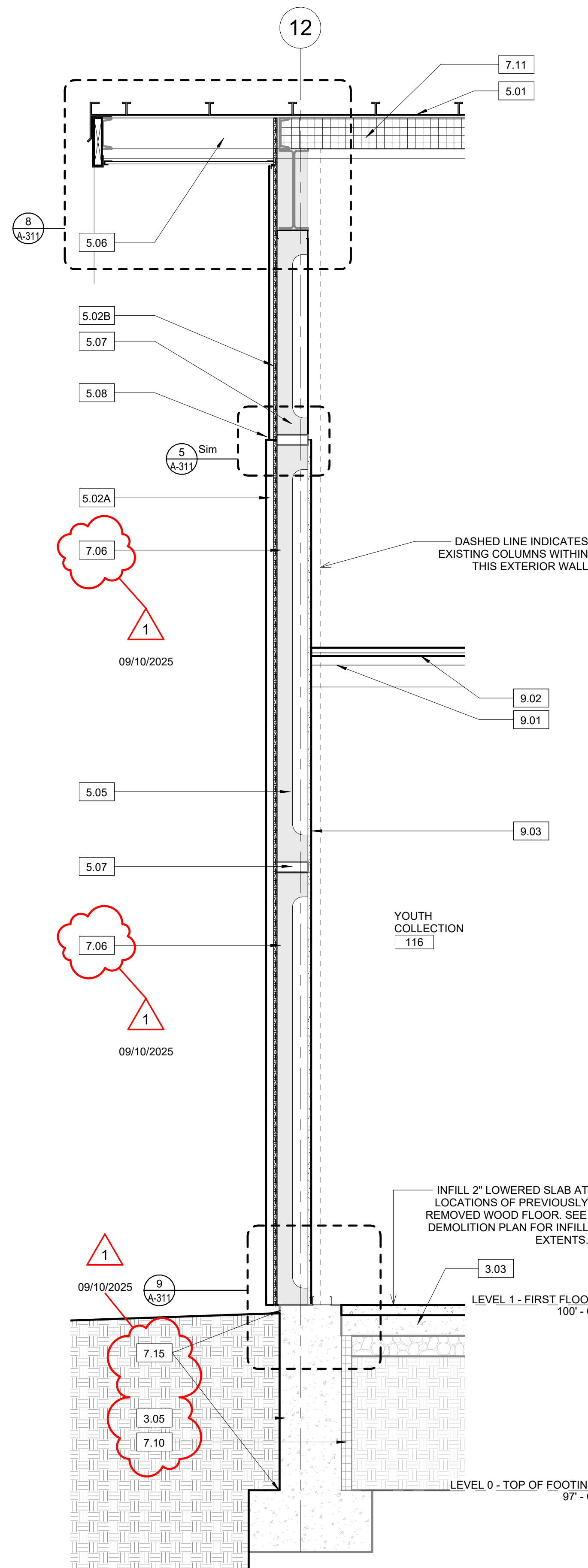
- DIV 27 - COMMUNICATIONS
27.01 Text

- DIV 28 - ELECTRONIC SAFETY AND SECURITY
28.01 Text

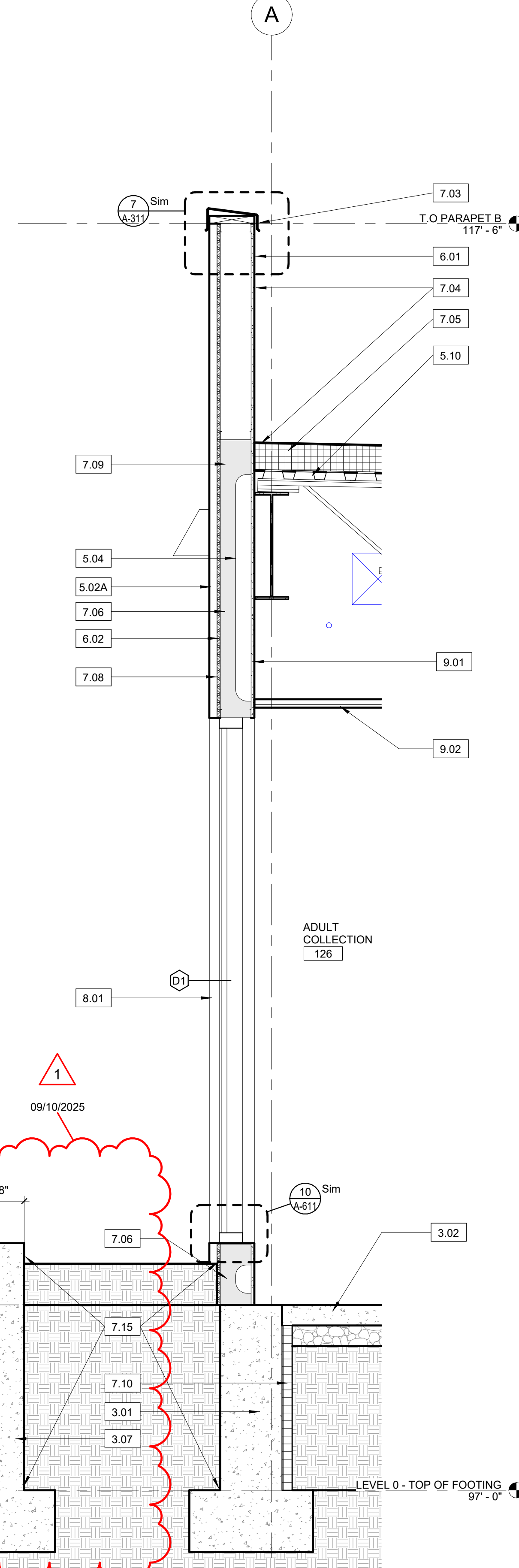
- DIV 32 - EXTERIOR IMPROVEMENTS
32.01 Text



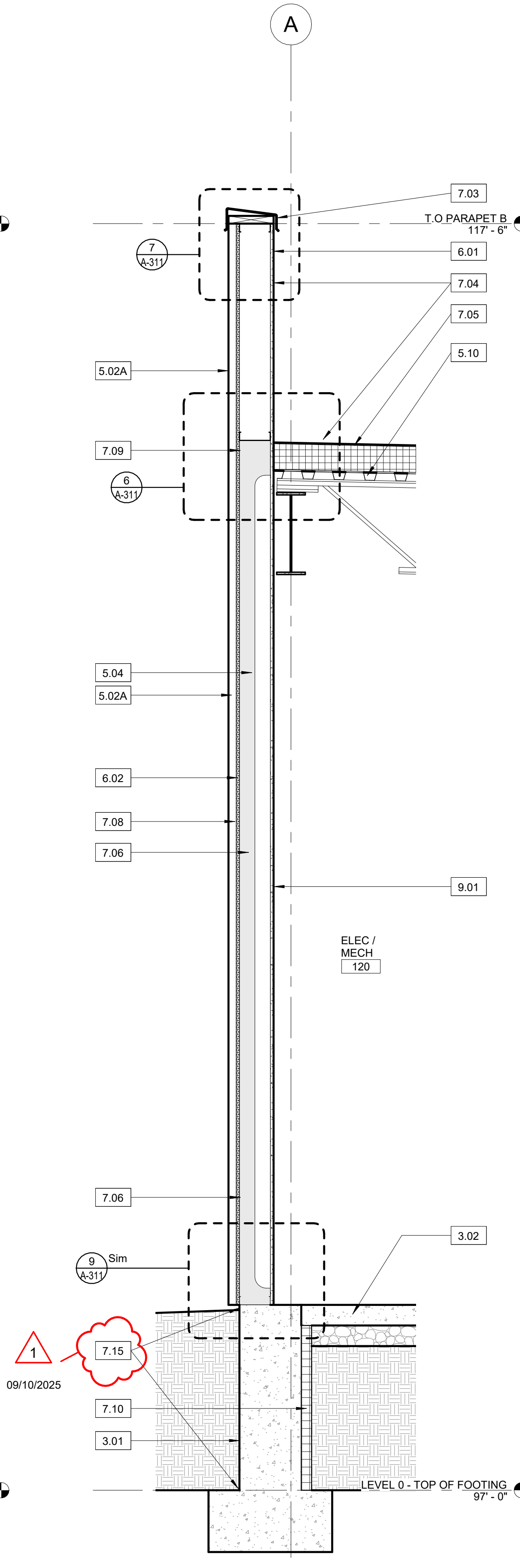
5 MTL PANEL TRANSITION
3" = 1'-0"



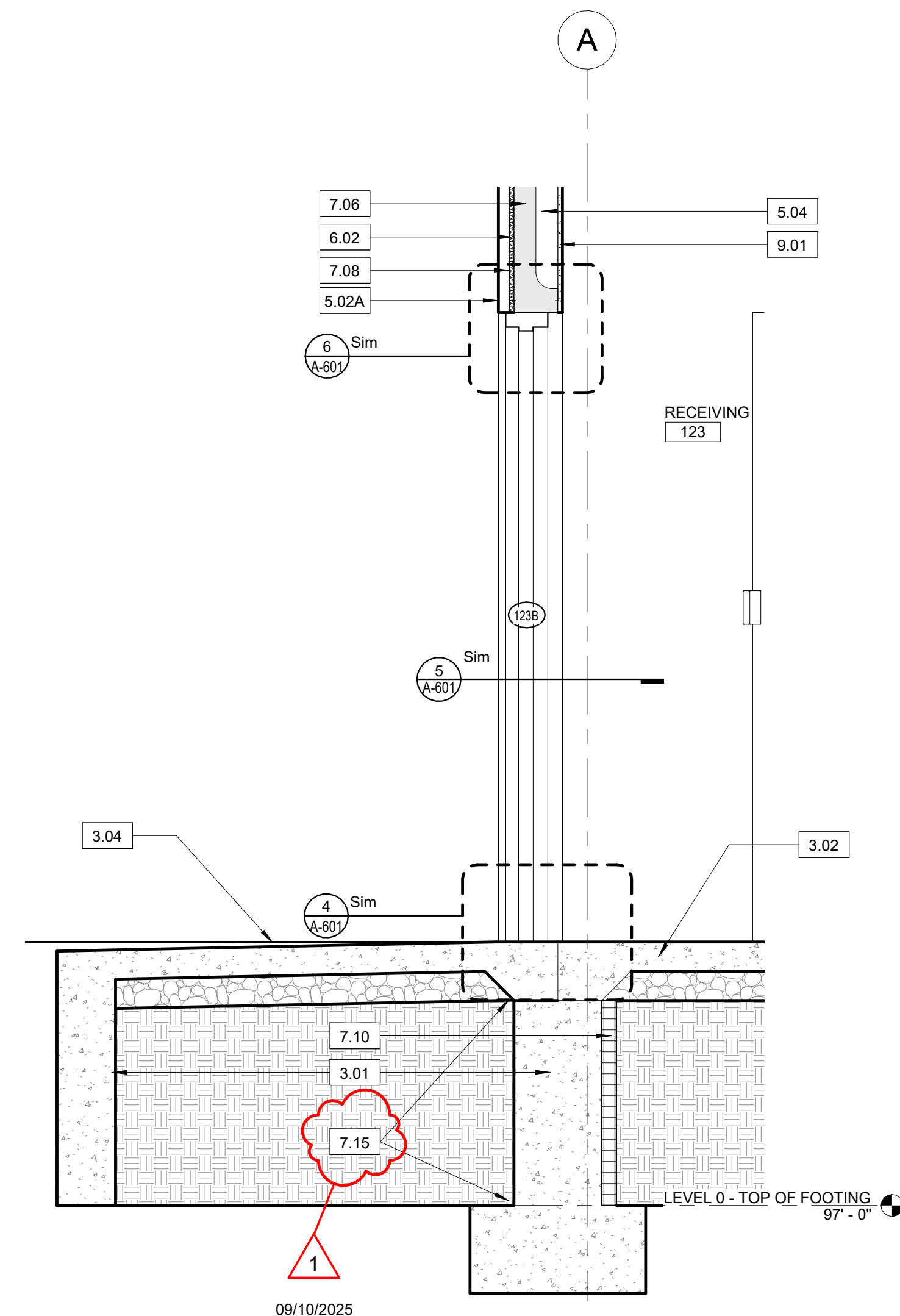
3 WALL SECTION
3/4" = 1'-0"



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



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



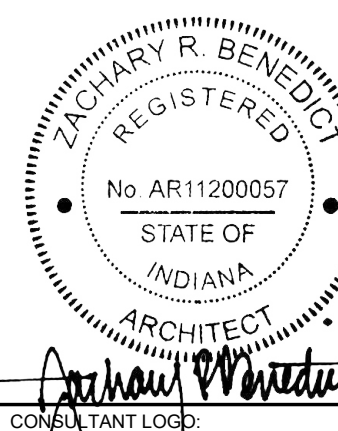
4 WALL SECTION
3/4" = 1'-0"



MKM
architecture + design

435 E. Brackenridge Street
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CERTIFICATION:



CONSULTANT LOGO

KEY PLAN

Public Library
ST. JOE COUNTY

**SJCPL -
WESTERN
BRANCH**

RENOVATION AND
ADDITION

4163 W. WESTERN AVE.,
SOUTH BEND, IN 46619

REVISIONS: DATE:
1 ADD 1 09/10/2025

SET DESCRIPTION:
CD BID SET

DRAWING CONTENTS:
WALL SECTIONS

ISSUE DATE: PROJECT NO.:
08.27.2025 25005
DRAWING NO.:

A-312

ELEVATION/ WALL SECTION NOTES

- DIV 3 - CONCRETE
3.01 NEW CONCRETE FOUNDATION. SEE STRUCTURAL.
3.02 NEW CONCRETE FLOOR SLAB OVER VAPOR BARRIER. SEE STRUCTURAL FOR MORE INFO.
3.03 EXISTING CONCRETE FLOOR SLAB TO REMAIN. INFILL 2" RECESSED PORTIONS AT PREVIOUS
3.04 NEW CONCRETE STOOP. SEE STRUCTURAL.
3.05 EXISTING CONCRETE FOUNDATION TO REMAIN. FIELD VERIFY EXISTING DEPTH.
3.06 EXISTING CONCRETE FLOOR SLAB TO REMAIN.
3.07 NEW CONCRETE LANDSCAPING STEM WALL.

- DIV 4 - MASONRY
4.01 Text

- DIV 5 - METALS
5.01 NEW STANDING SEAM METAL ROOF INSTALLED OVER EXISTING PURLINS. BASIS-OF-DESIGN: PAC-CLAD PAC T-250
5.02A NEW EXPOSED FASTENER METAL SIDING (TYPE "A")
5.02B NEW EXPOSED FASTENER METAL SIDING (TYPE "B")
5.03 NEW METAL SIDING WRAPPED COLUMN
5.04 NEW 6" METAL STUD WALL @ 16" O.C.
5.05 NEW 3 5/8" METAL STUD WALL @ 16" O.C.
5.06 EXISTING STEEL PURLIN TO REMAIN. FIELD VERIFY DIMENSIONS OF STEEL PROFILE.
5.07 EXISTING STEEL GIRT TO REMAIN. FIELD VERIFY ELEVATION.
5.08 PRE-FINISHED METAL TRIM AT TRANSITION FROM METAL SIDING TYPE "A" TO TYPE "B"
5.09 EXISTING PEMB STRUCTURAL FRAME TO REMAIN. PROTECT DURING CONSTRUCTION.
5.10 NEW CORRUGATED METAL ROOF DECK.
5.11 NEW EXTERIOR ROOF ACCESS LADDER.
5.12 NEW LOUVERED SUN-SHADE.

- DIV 6 - WOOD, PLASTICS, AND COMPOSITES
6.01 NEW 5/8" FIRE TREATED PLYWOOD SHEATHING ON BACK SIDE OF PARAPET.
6.02 NEW 5/8" FIRE TREATED PLYWOOD SHEATHING.

- DIV 7 - THERMAL AND MOISTURE PROTECTION
7.01 NEW PRE-FINISHED METAL GUTTER
7.02 NEW PRE-FINISHED METAL DOWNSPOUT
7.03 PRE-FINISHED METAL COPING
7.04 60 MIL SINGLE PLY ROOF MEMBRANE. EXTEND ROOFING MEMBRANE VERTICALLY UP PARAPET AND TERMINATE AT FRONT SIDE OF COPING BLOCKING.
7.05 TWO (2) LAYERS OF 2.5" POLYISO INSULATION ABOVE METAL DECK.
7.06 3" MINIMUM CLOSED CELL SPRAY FOAM INSULATION IN STUD WALL.
7.08 WEATHER RESISTIVE BARRIER OVER SHEATHING.
7.09 TERMINATE SPRAY FOAM INSULATION IN LINE WITH THE ROOFING INSULATION.
7.10 2" RIGID FOUNDATION INSULATION.
7.11 NEW 'SAG-N-BAG' INSULATION AT EXISTING PEMB CEILING STRUCTURE. FIELD VERIFY EXISTING GIRT AND PURLIN LOCATIONS.
7.13 NEW 'SAG-N-BAG' INSULATION AT EXISTING PEMB ROOF. FIELD VERIFY EXISTING GIRT AND PURLIN LOCATIONS.
7.14 8" TALL VINYL PRIVACY FENCE
7.15 SUBSURFACE WATERPROOFING. SEE SPECIFICATIONS.

- DIV 8 - OPENINGS
8.01 NEW STOREFRONT WINDOW SYSTEM

- DIV 9 - FINISHES
9.01 5/8" GYPSUM WALL BOARD
9.02 LAY-IN CEILING. SEE RCP FOR MORE INFO.
9.03 5/8" TYPE "X" GYPSUM BOARD.
9.04 5/8" GYPSUM CEILING ON METAL STUD. SEE RCP FOR MORE INFO.
9.05 PAINT DOUBLE WALL INSULATED DUCTWORK. TO BE SHOP-PRIMED.

- DIV 10 - SPECIALTIES
10.01 DIMENSIONAL LETTER SIGNAGE. 2" TALL X 1" DEEP. INSTALLED ON OFFSETS THROUGH FACADE.

- DIV 11 - EQUIPMENT
11.01 Text

- DIV 12 - FURNISHINGS
12.01 Text

- DIV 13 - SPECIAL CONSTRUCTION
13.01 Text

- DIV 14 - CONVEYING EQUIPMENT
14.01 Text

- DIV 21 - FIRE PROTECTION
21.01 Text

- DIV 22 - PLUMBING
22.01 ROOF DRAIN

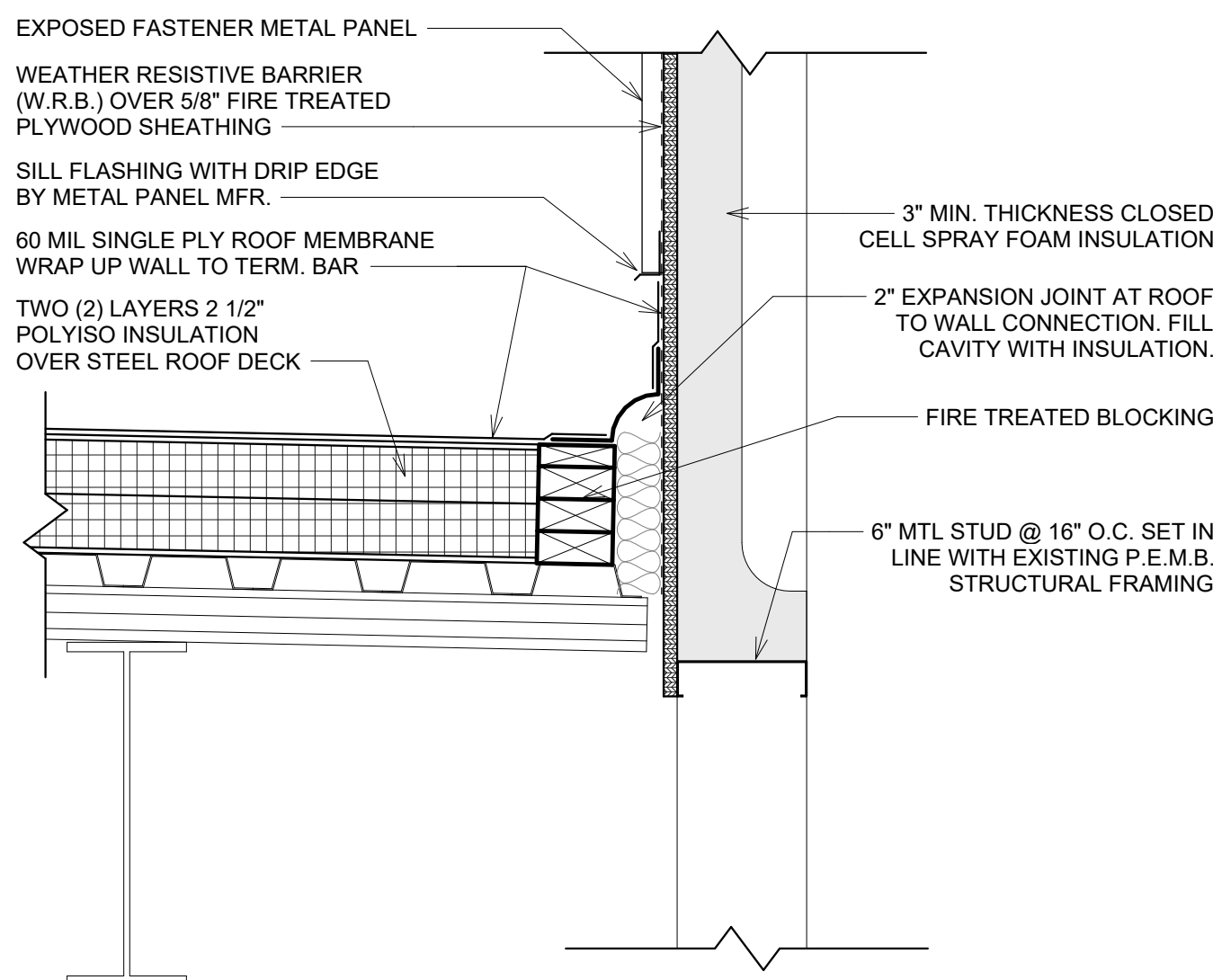
- DIV 23 - HEATING, VENTILATION, AND AIR CONDITIONING
23.01 Text

- DIV 26 - ELECTRICAL
26.01 Text

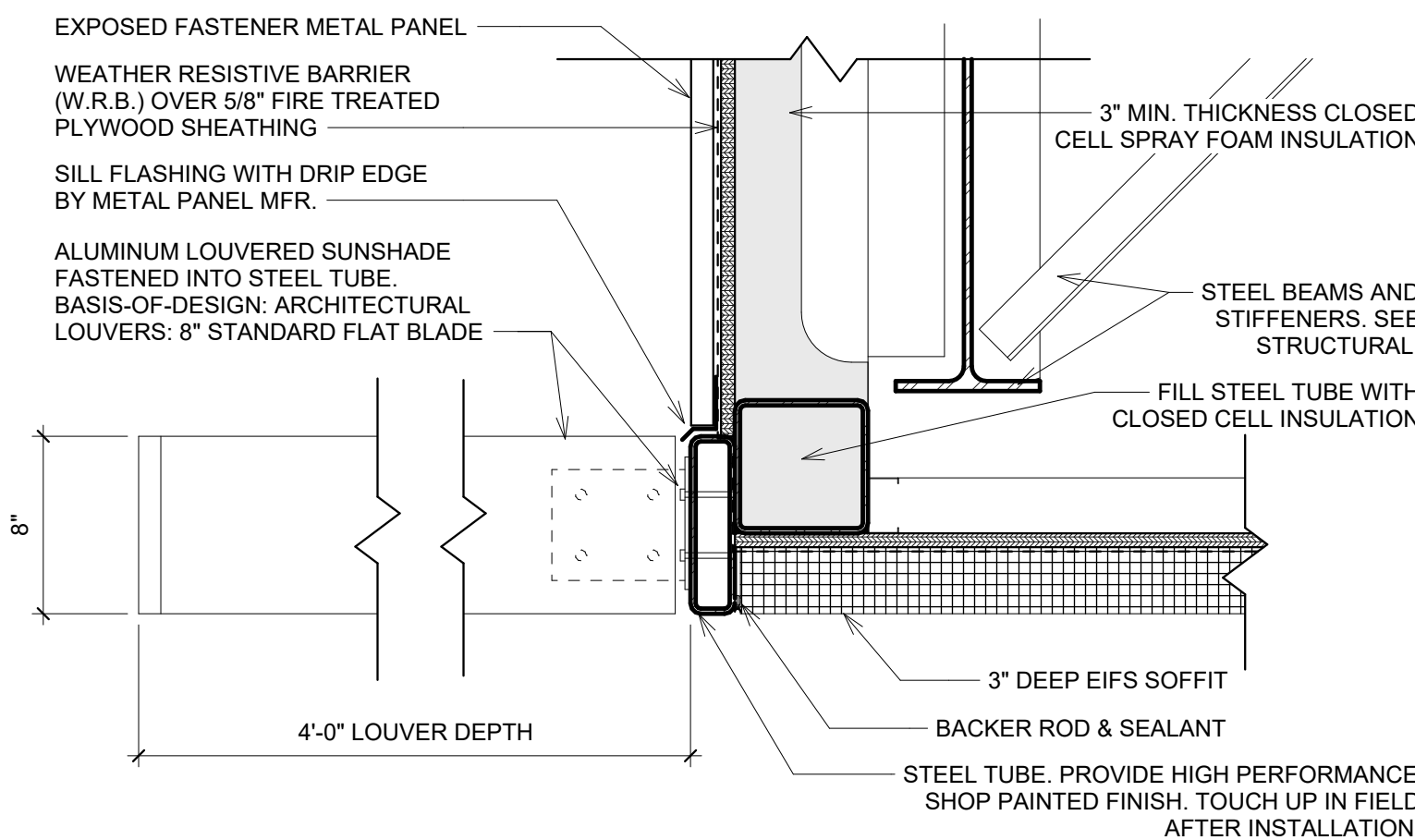
- DIV 27 - COMMUNICATIONS
27.01 Text

- DIV 28 - ELECTRONIC SAFETY AND SECURITY
28.01 Text

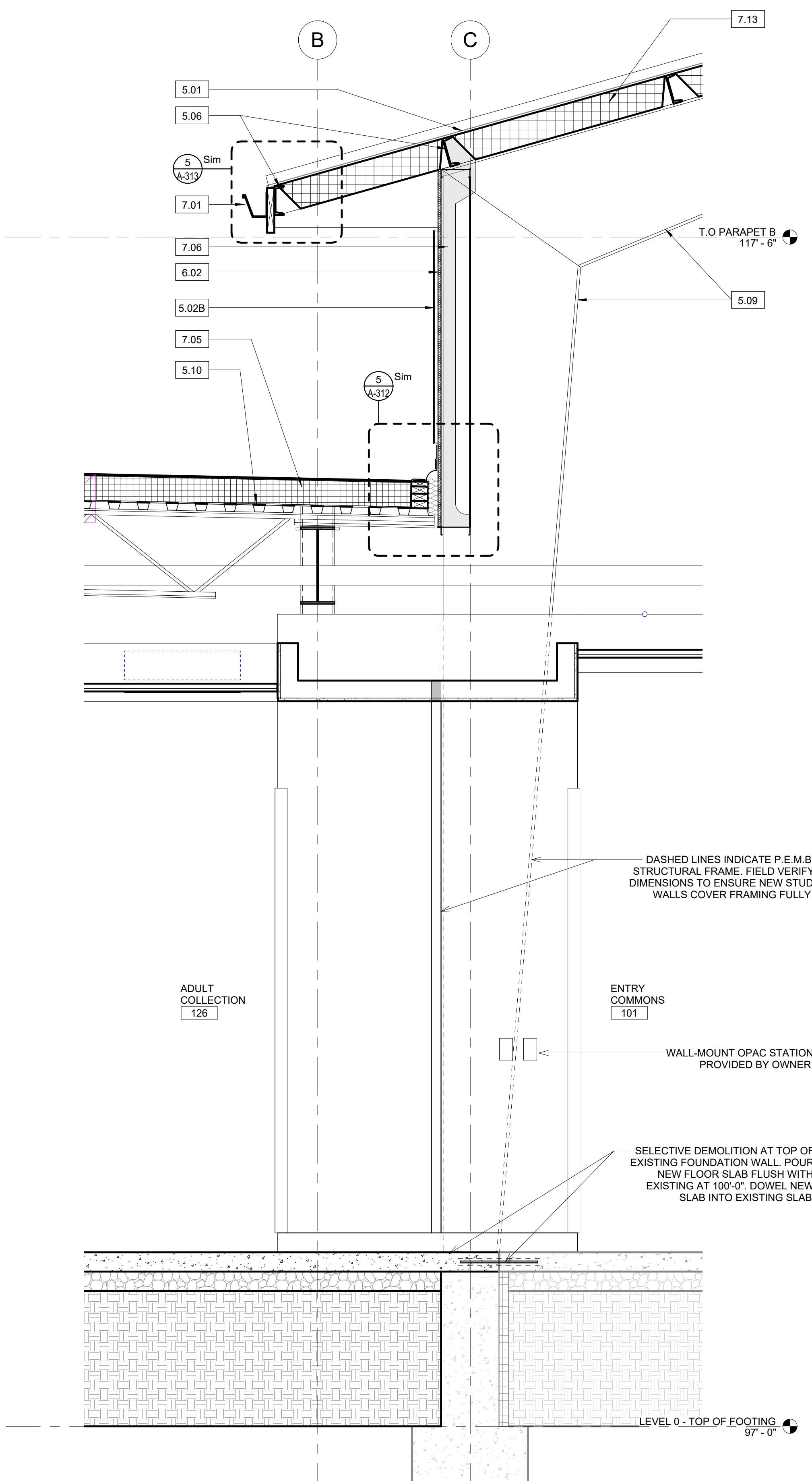
- DIV 32 - EXTERIOR IMPROVEMENTS
32.01 Text



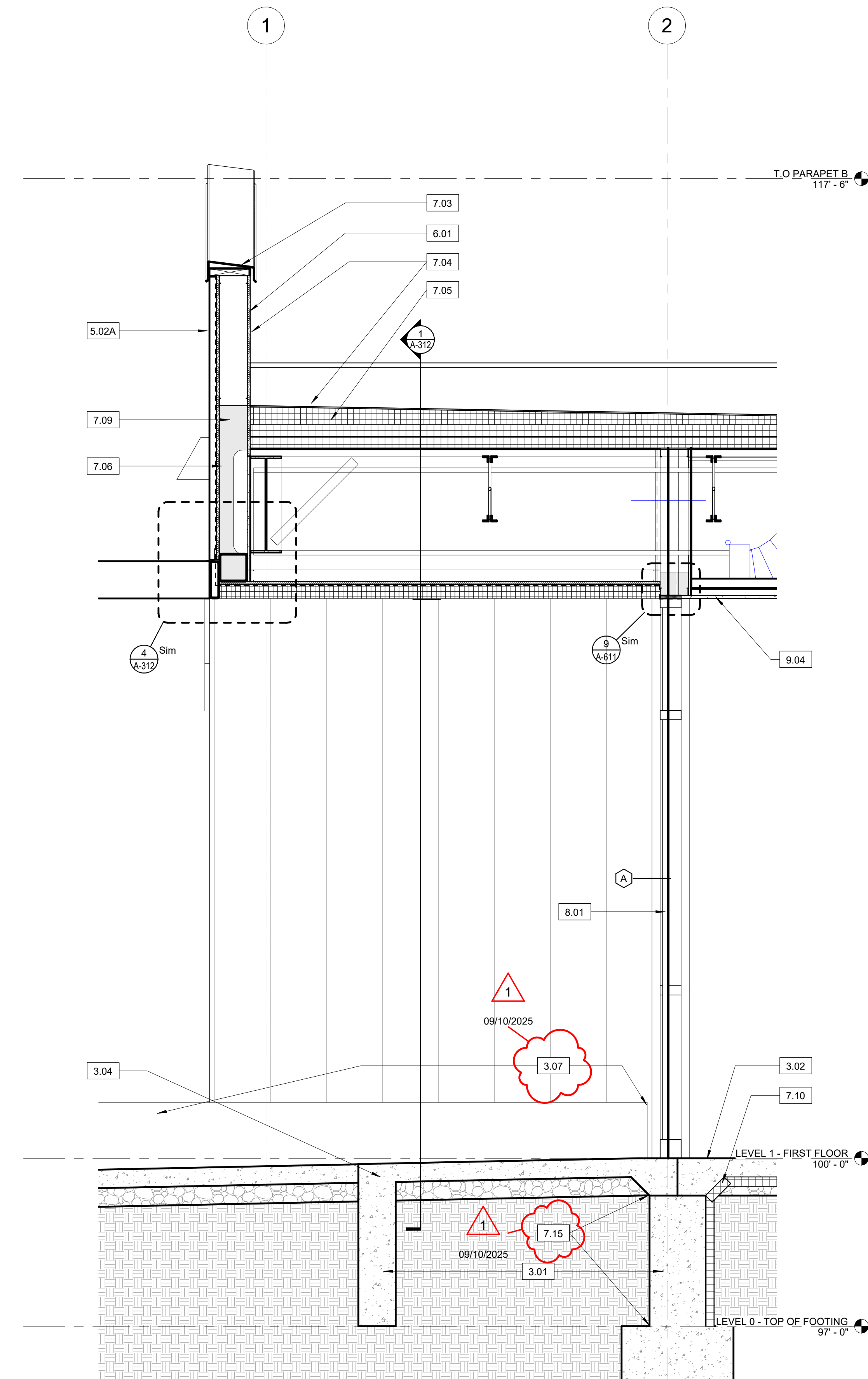
5 EXPANSION JOINT DTL.
1 1/2" = 1'-0"



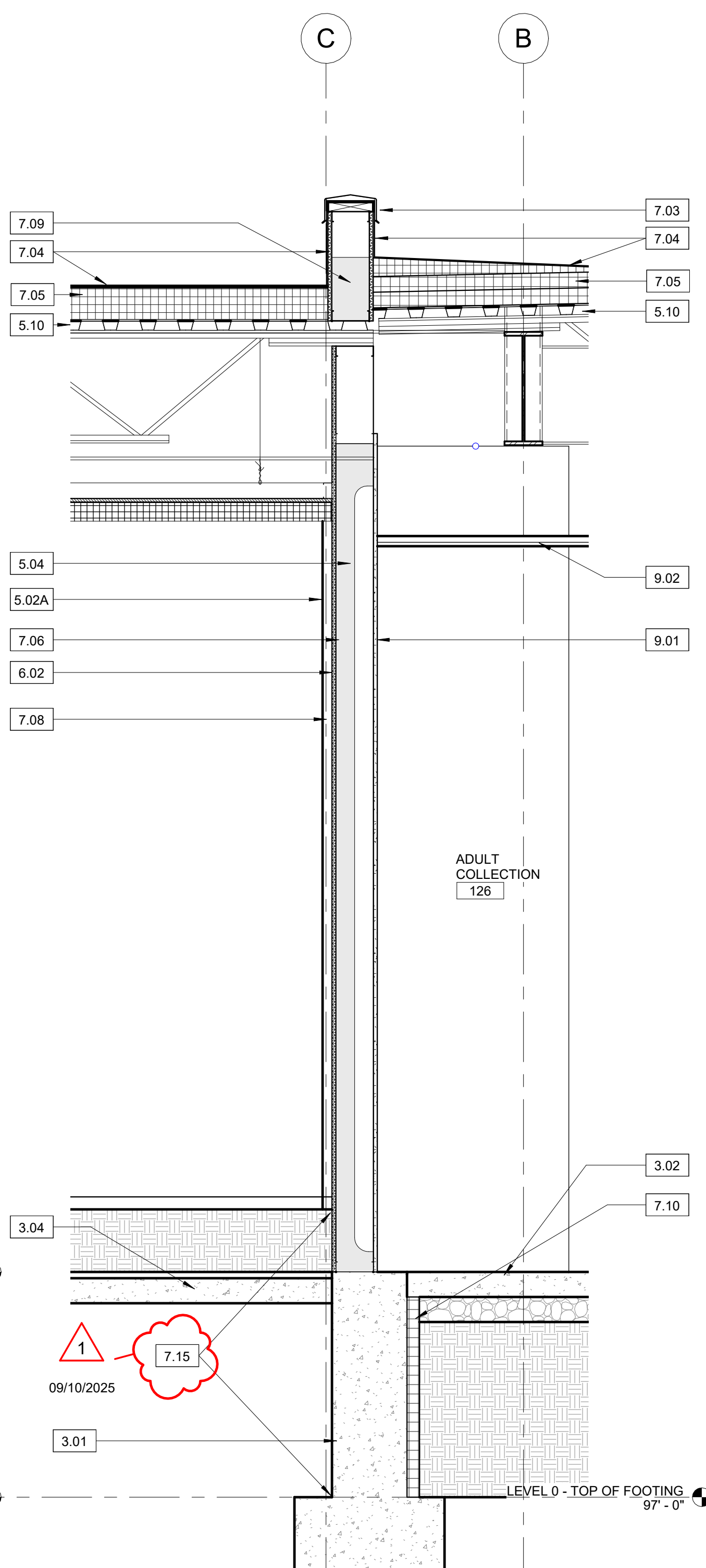
4 SOFFIT EDGE DTL.
1 1/2" = 1'-0"



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



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



1 CANOPY WALL SECTION
3/4" = 1'-0"

Doc: Title Block of Job: 25005 - SJCPCL - Western Branch, MM Cloud.rvt
Author: User / 25005 - SJCPCL - Western Branch, MM Cloud.rvt
Audited: User / 25005 - SJCPCL - Western Branch, MM Cloud.rvt

TOILET ACCESSORIES SCHEDULE					
ITEM	MODEL NO.	DESCRIPTION	SUPPLIED BY	INSTALLED BY	
1	B-165-1830	STAINLESS STEEL CHANNEL FRAME MIRROR: CENTER OVER SINK. REFER TO ADA CLEARANCES AND TOLERANCES DETAIL FOR MOUNTING HEIGHTS.	CONTRACTOR	CONTRACTOR	
2	-	SURFACE MOUNTED PAPER TOWEL DISPENSER: REFER TO ADA CLEARANCES AND TOLERANCES DETAIL FOR MOUNTING HEIGHT.	OWNER	CONTRACTOR	
3	-	SURFACE MOUNTED SOAP DISPENSER: REFER TO ADA CLEARANCES AND TOLERANCES DETAIL FOR MOUNTING HEIGHT.	OWNER	CONTRACTOR	
4	B-2888	SURFACE MOUNTED TOILET PAPER DISPENSER: REFER TO ADA CLEARANCES AND TOLERANCES DETAIL FOR MOUNTING HEIGHT.	CONTRACTOR	CONTRACTOR	
5	B-6806	42" GRAB BAR: CONCEALED MOUNTING WITH SNAP FLANGE. REFER TO ADA CLEARANCES AND TOLERANCES DETAIL FOR MOUNTING HEIGHT.	CONTRACTOR	CONTRACTOR	
6	B-6806	36" GRAB BAR: CONCEALED MOUNTING WITH SNAP FLANGE. REFER TO ADA CLEARANCES AND TOLERANCES DETAIL FOR MOUNTING HEIGHT.	CONTRACTOR	CONTRACTOR	
7	B-6806	18" GRAB BAR: CONCEALED MOUNTING WITH SNAP FLANGE. REFER TO ADA CLEARANCES AND TOLERANCES DETAIL FOR MOUNTING HEIGHT.	CONTRACTOR	CONTRACTOR	
8	B-76727	DOUBLE ROBE HOOK: MOUNTED AT 48" A.F.F.	CONTRACTOR	CONTRACTOR	
9	KB-300	BABY CHANGE STATION BY KOALA KARE: MOUNTED AT 33" A.F.F. TO TOP OF BED. COLOR: TO BE DETERMINED.	CONTRACTOR	CONTRACTOR	
10	AUNT FLOW TOUCH FREE DISPOSAL	SANITARY NAPKIN DISPOSAL: SURFACE MOUNTED: REFER TO ADA CLEARANCES AND TOLERANCES DETAIL FOR MOUNTING HEIGHT.	OWNER	CONTRACTOR	
11	AUNT FLOW MODEL-E	SANITARY NAPKIN DISPENSER: SURFACE MOUNTED: REFER TO ADA CLEARANCES AND TOLERANCES DETAIL FOR MOUNTING HEIGHT.	OWNER	CONTRACTOR	

- CASEWORK/INTERIOR ELEVATION NOTES**
- 1 PLASTIC LAMINATE COUNTERTOP: SEE CASEWORK FINISH LEGEND.
 - 2 PLASTIC LAMINATE COUNTERTOP WITH STAINLESS STEEL SINK. SEE CASEWORK FINISH LEGEND AND PLUMBING DRAWINGS.
 - 3 SOLID SURFACE COUNTERTOP: SEE CASEWORK FINISH LEGEND.
 - 4 SOLID SURFACE COUNTERTOP WITH INTEGRAL SINK. SEE CASEWORK FINISH LEGEND, INTEGRAL SINK BASE DETAIL ON CASEWORK DETAILS SHEET AND PLUMBING DRAWINGS.
 - 5 SOLID SURFACE COUNTERTOP WITH STAINLESS STEEL SINK. SEE CASEWORK FINISH LEGEND AND PLUMBING DRAWINGS.
 - 6 IN-WALL STEEL COUNTERTOP SUPPORTS. SEE TYPICAL DETAIL ON CASEWORK DETAILS SHEET FOR BLOCKING AND SPACING REQUIREMENTS.
 - 7 SLOPED TOP TO MATCH UPPER CASEWORK.
 - 8 FINISHED END PANEL.
 - 9 WALL BASE AS SCHEDULED. SEE FINISH SCHEDULE AND LEGEND.
 - 10 SALVAGED WOOD FLOOR BOARDS.
 - 11 TURF ACOUSTICAL WALL PANELS. SEE SPECIFICATIONS FOR MORE INFORMATION.
 - 12 CONTROL JOINT TO DIVIDE WALL. PAINT COLORS: SEE FINISH PLAN FOR LOCATION; CONTROL JOINT IS ALIGNED WITH OUTSIDE CORNER OPPOSITE WALL. INDICATED ON FINISH PLAN.
 - 13 OPERABLE GLASS WALL SYSTEM. BASIS-OF-DESIGN: NANA WALL CSW75 - SINGLE SWINGS DOOR WITH REMAINING PAIRED PANELS COLLAPSING TO OPPOSITE WALL.
 - 14 STAINLESS STEEL COUNTERTOP: SEE CASEWORK FINISH LEGEND.
 - 15 PLASTIC LAMINATE BASE CABINETS. SEE CASEWORK FINISH LEGEND.
 - 16 WALL FROM BOTTOM OF ACOUSTIC PANELS TO FLOOR TO BE PAINTED PT-3 BEFORE INSTALLATION OF ACOUSTIC WALL PANELS.
 - 17 AT BOTTOM EDGE OF ACOUSTIC PANELS INSTALL SCHLUTER RENO-TK-E ETK125 STAINLESS STEEL TRIM.
 - 18 DRYWALL CONTROL JOINT.

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CERTIFICATION:

ARCHITECT
REGISTERED
No. AR11200057
STATE OF INDIANA

CONSULTANT LOGO

KEY PLAN

Public Library
ST. JOE COUNTY

SJCPCL - WESTERN BRANCH

RENOVATION AND ADDITION

4163 W. WESTERN AVE.,
SOUTH BEND, IN 46619

REVISIONS:
1 ADD 1 09/10/2025

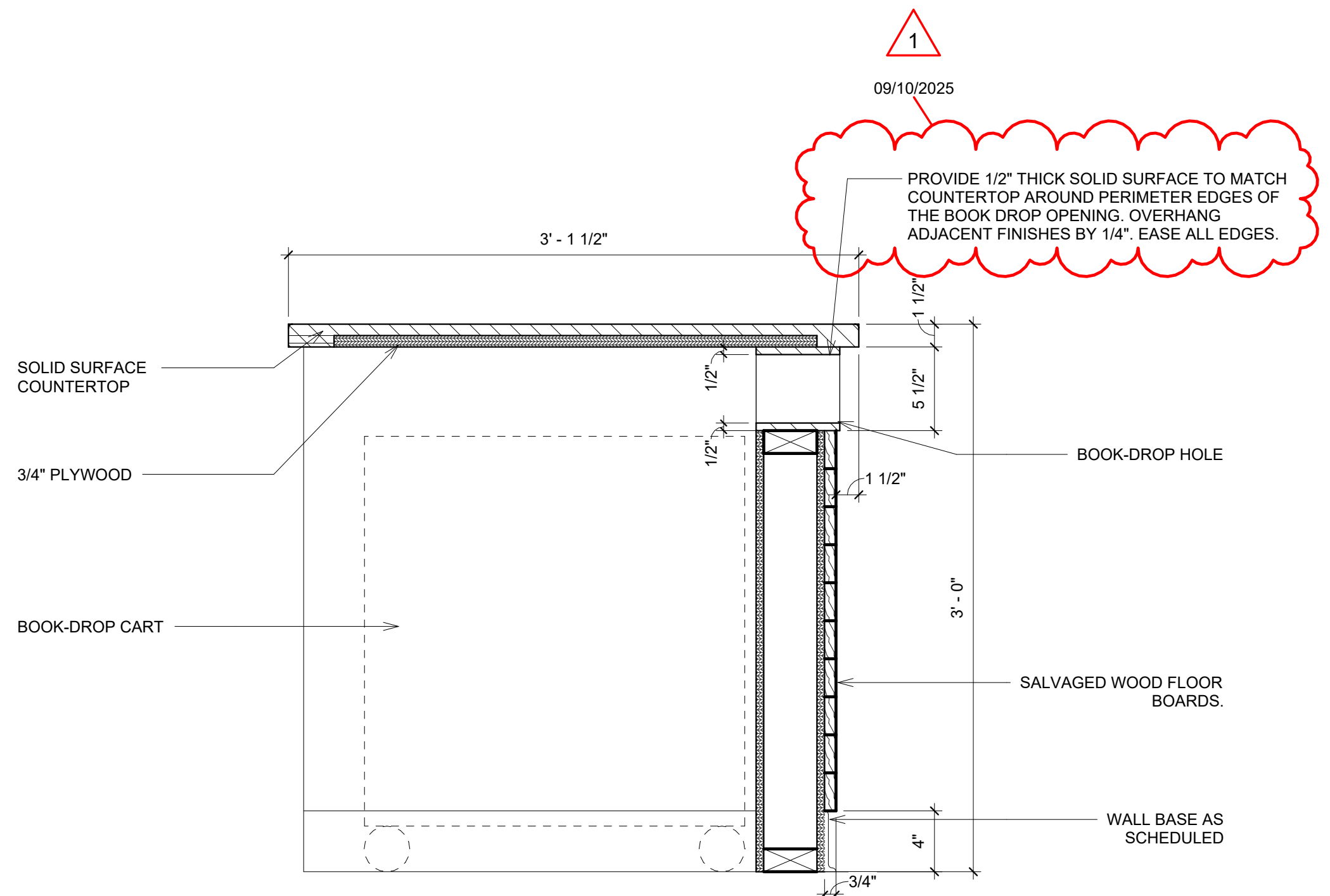
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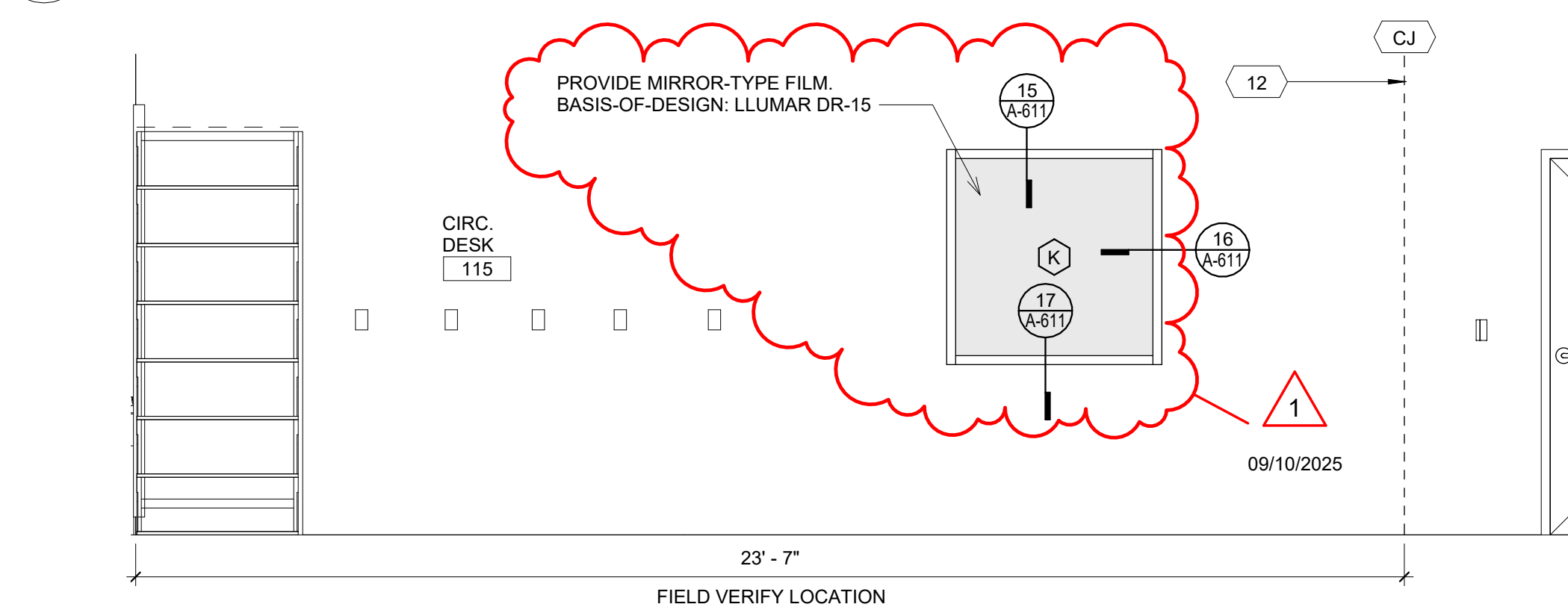
DRAWING CONTENTS:
ENLARGED PLANS &
INTERIOR ELEVATIONS

ISSUE DATE: 08.27.2025 PROJECT NO.: 25005

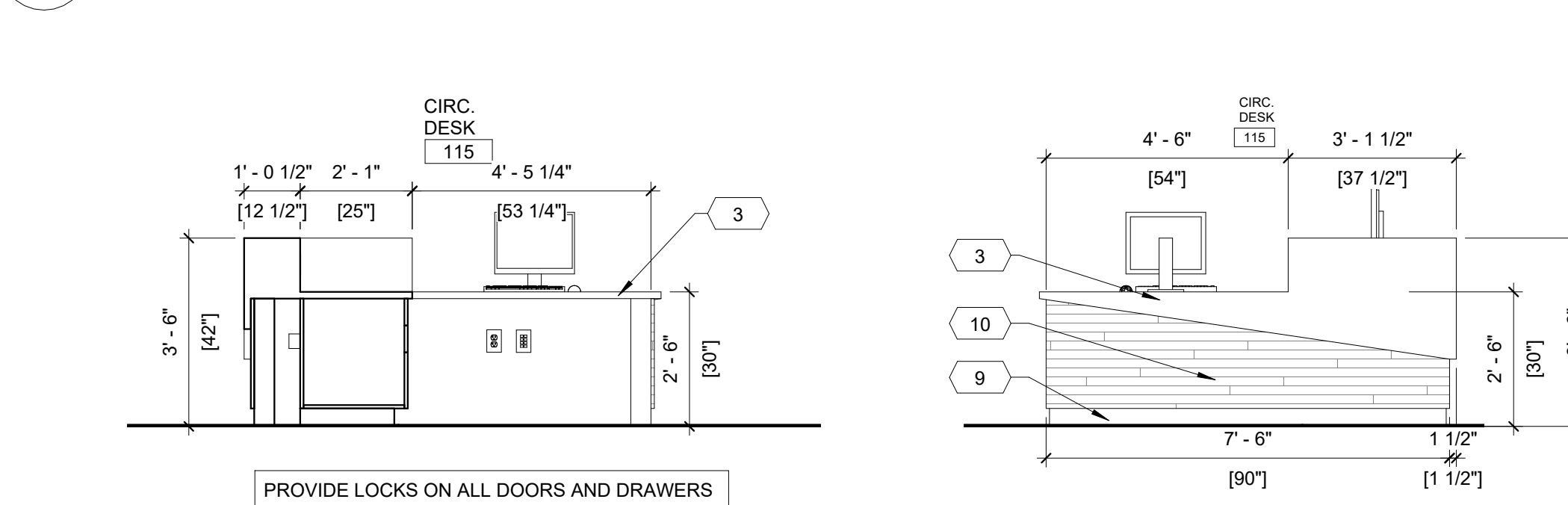
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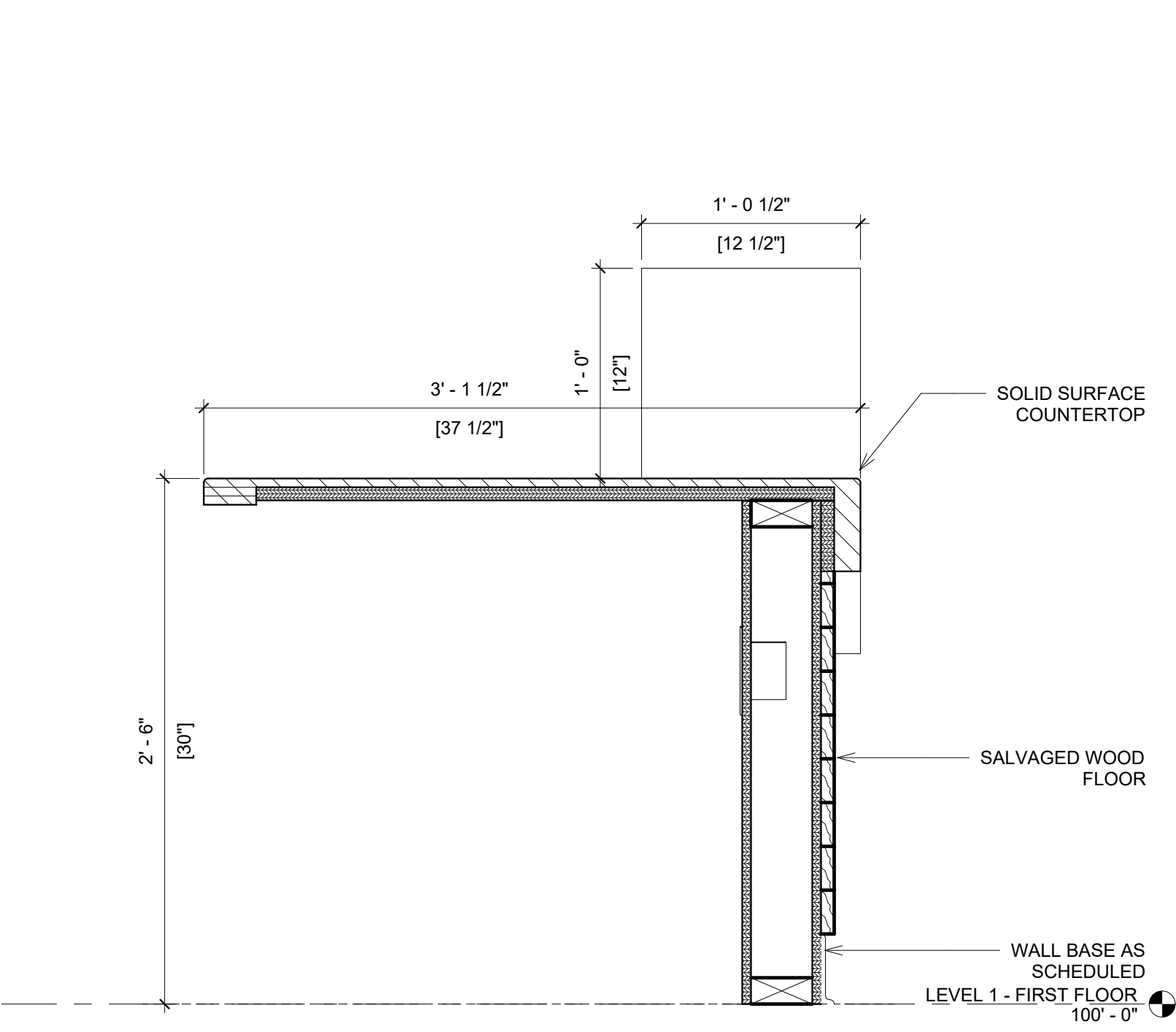
11 CIRC. DESK SECTION
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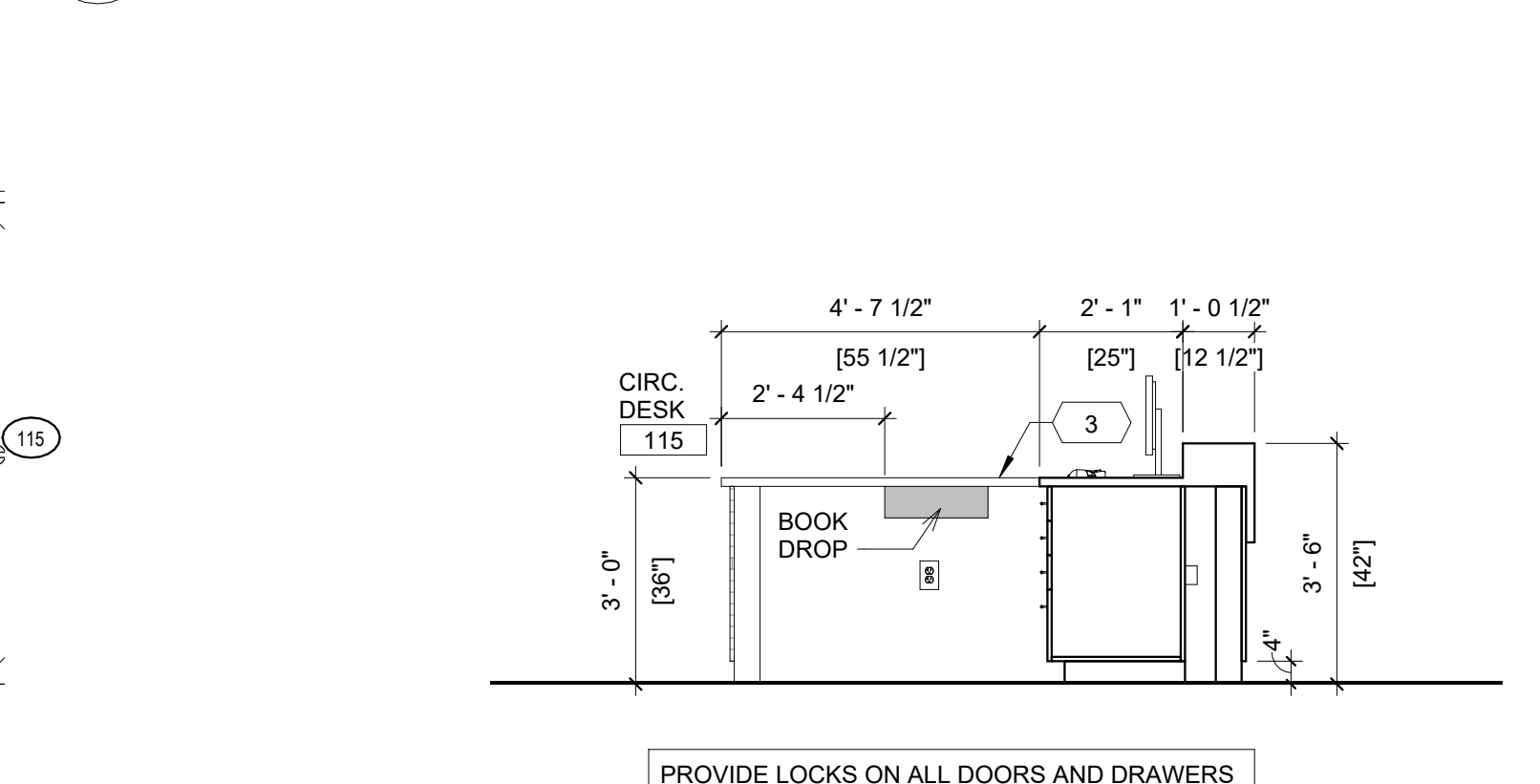
8 BACK CIRC. DESK
3/8" = 1'-0"



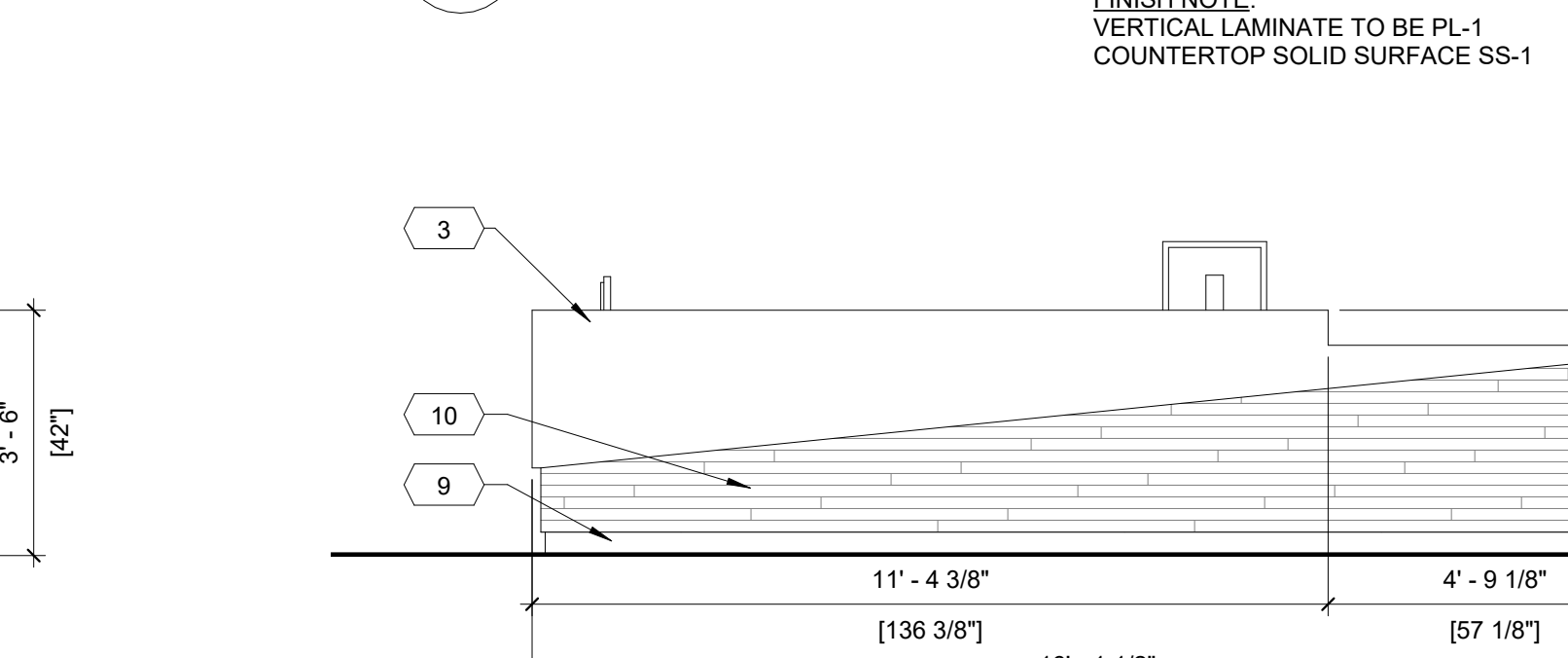
5 CIRC. DESK SIDE
3/8" = 1'-0"



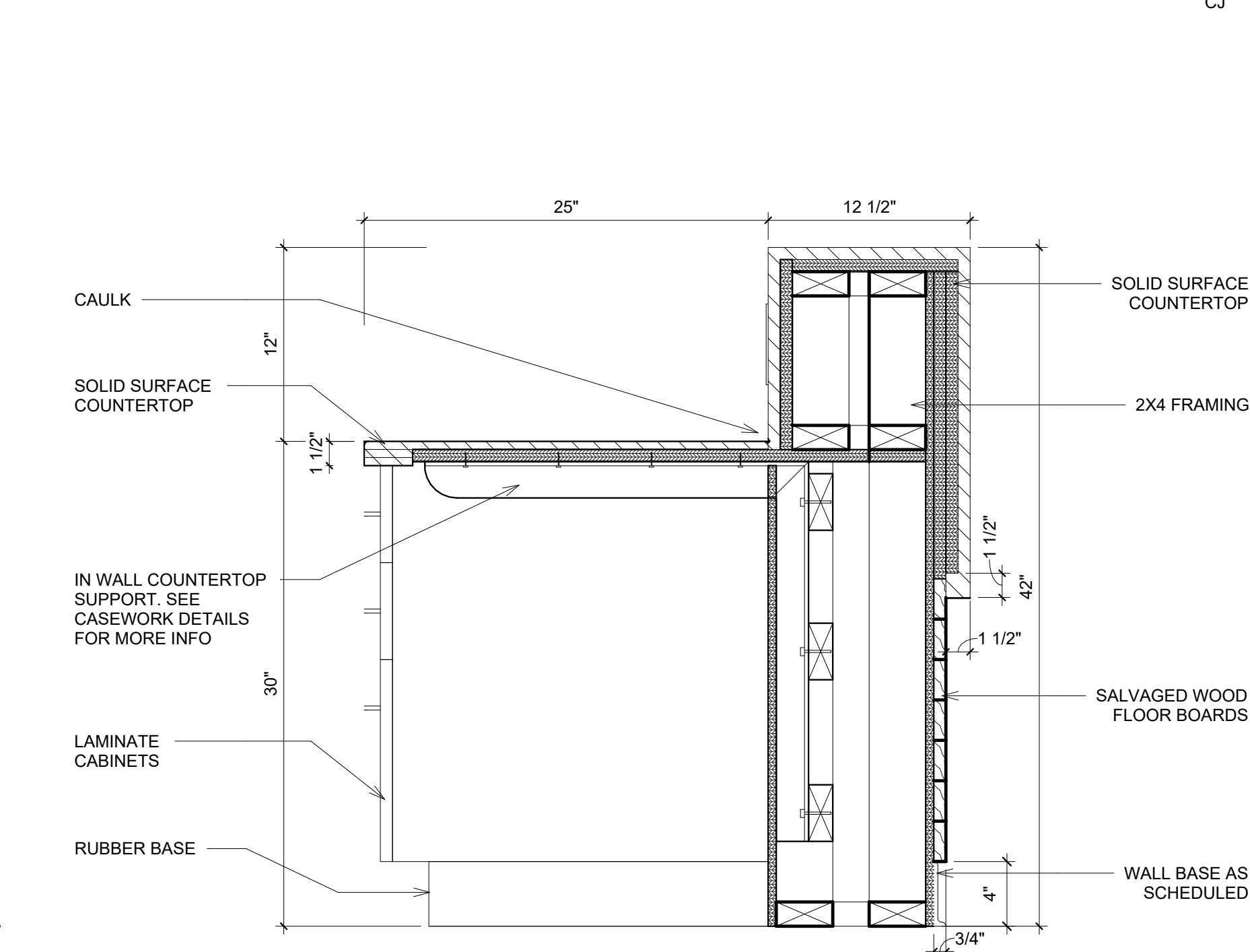
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1 1/2" = 1'-0"



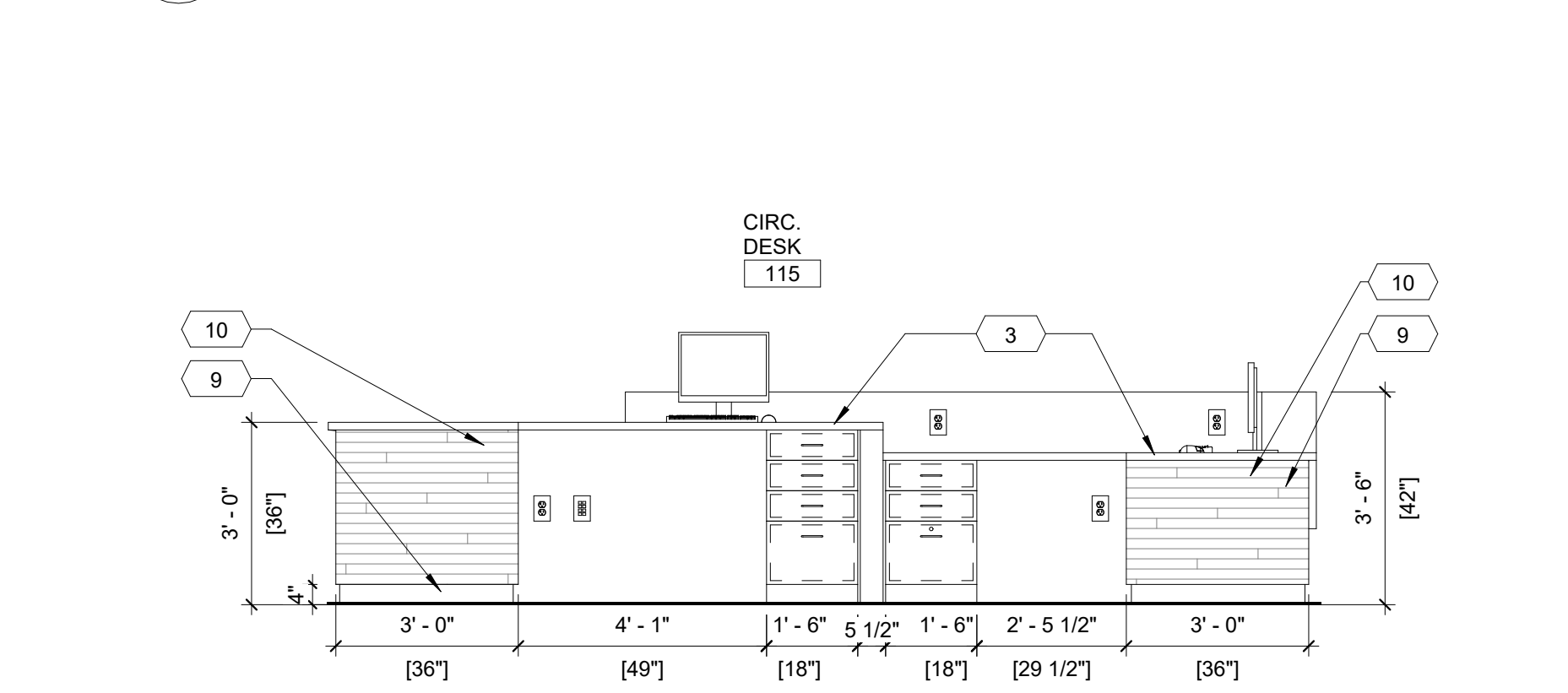
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3/8" = 1'-0"



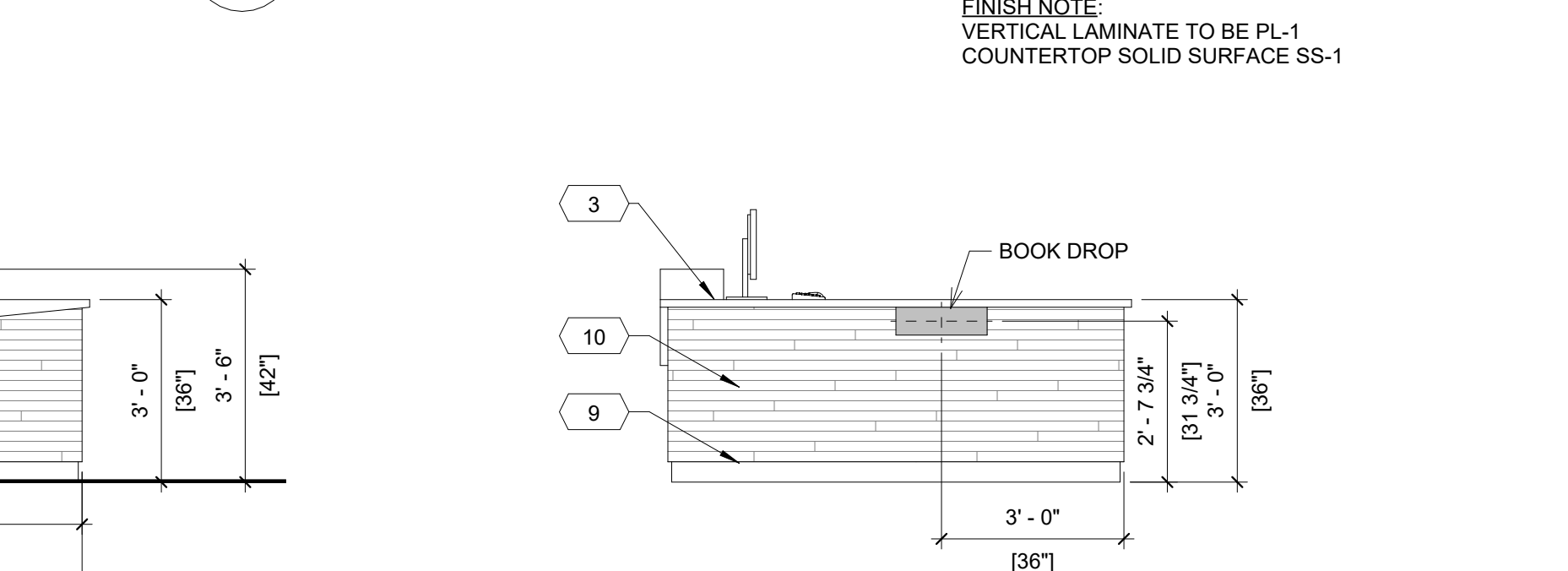
3 CIRC. DESK FRONT
3/8" = 1'-0"



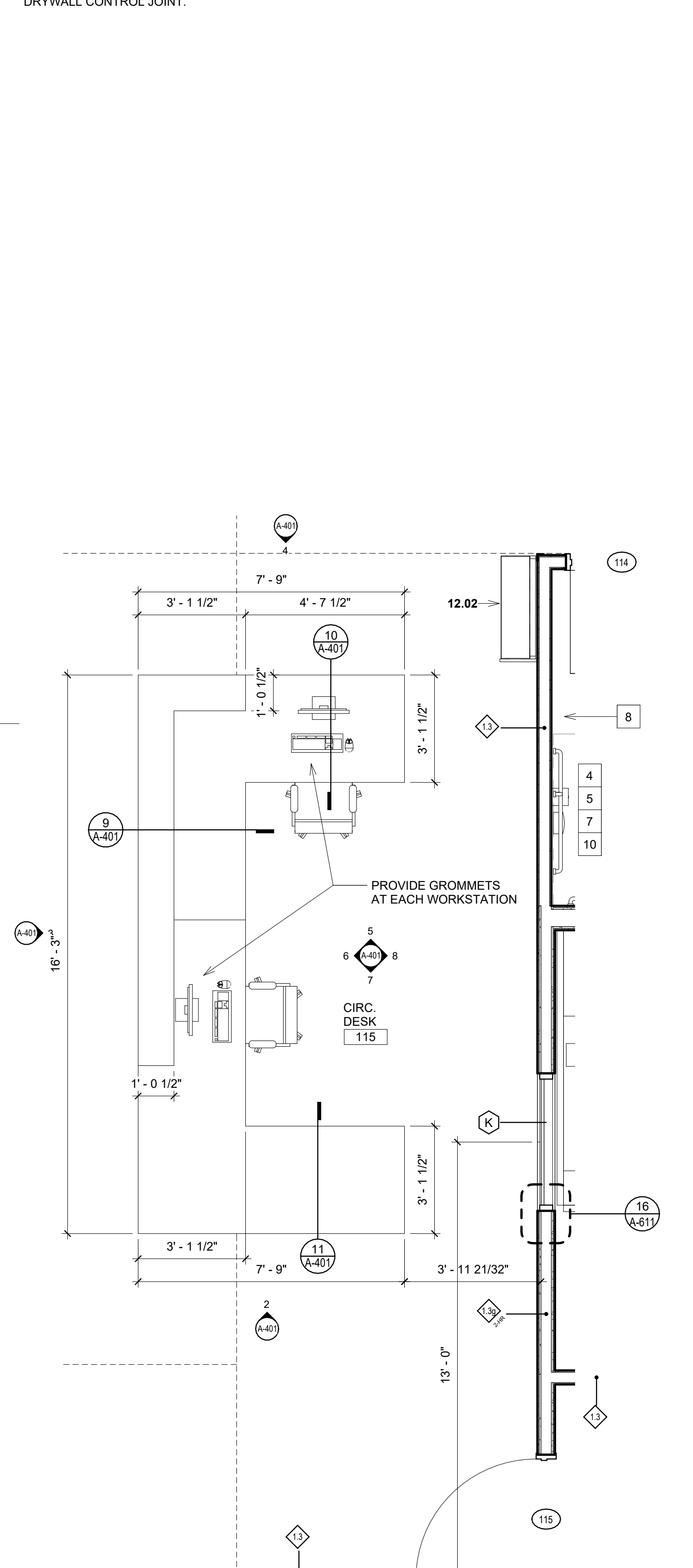
9 CIRC. DESK SECTION
1 1/2" = 1'-0"



6 CIRC. DESK BACK
3/8" = 1'-0"



2 CIRC. DESK SIDE
3/8" = 1'-0"



1 CENTRAL ENLARGED PLAN
3/8" = 1'-0"

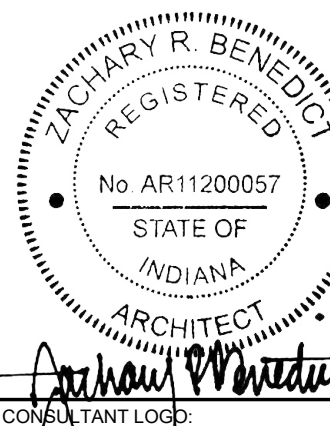




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KEY PLAN

Public
Library
ST. JOE COUNTY

SJCPL -
WESTERN
BRANCH

RENOVATION AND
ADDITION

4163 W. WESTERN AVE.,
SOUTH BEND, IN 46619

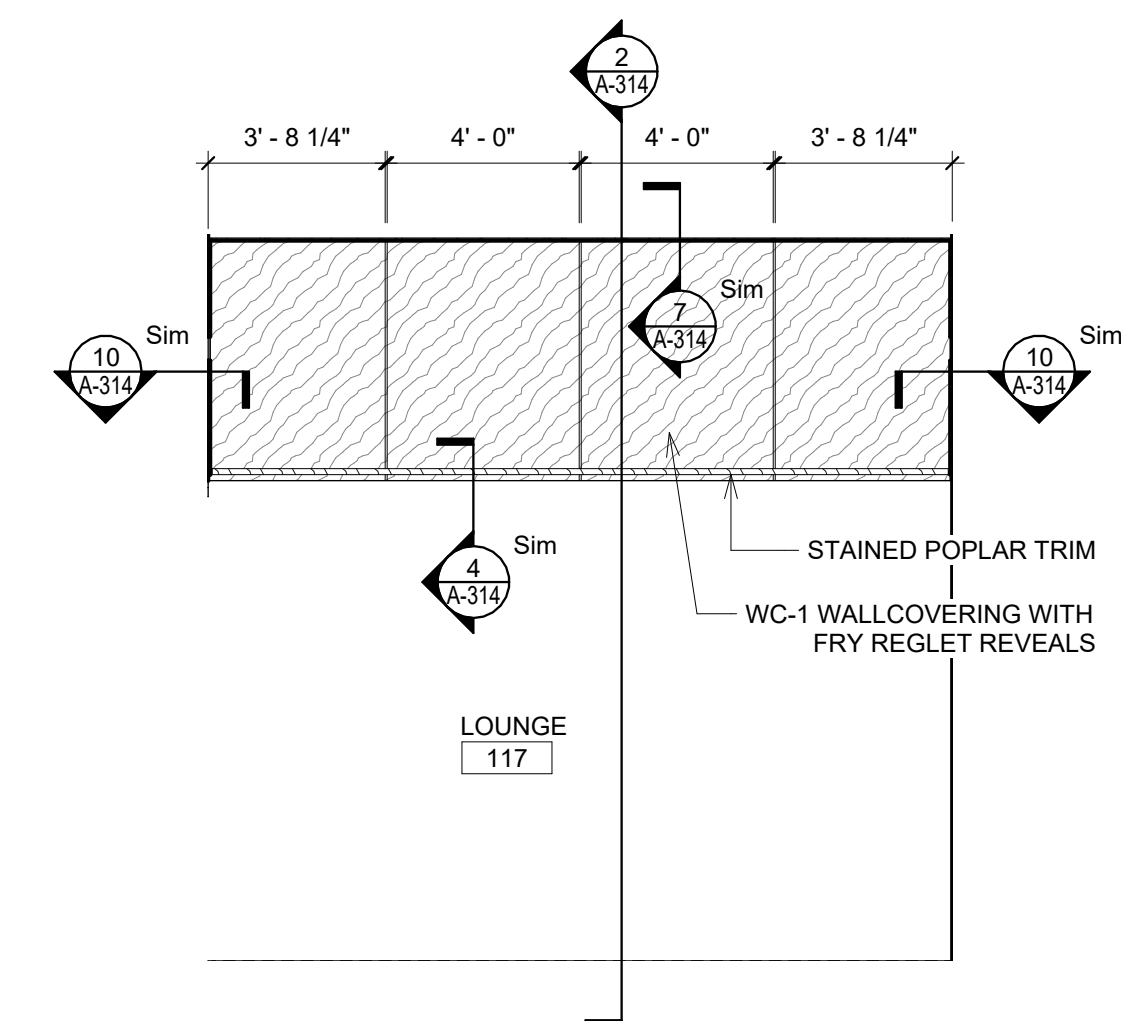
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DRAWING CONTENTS:
INTERIOR ELEVATIONS

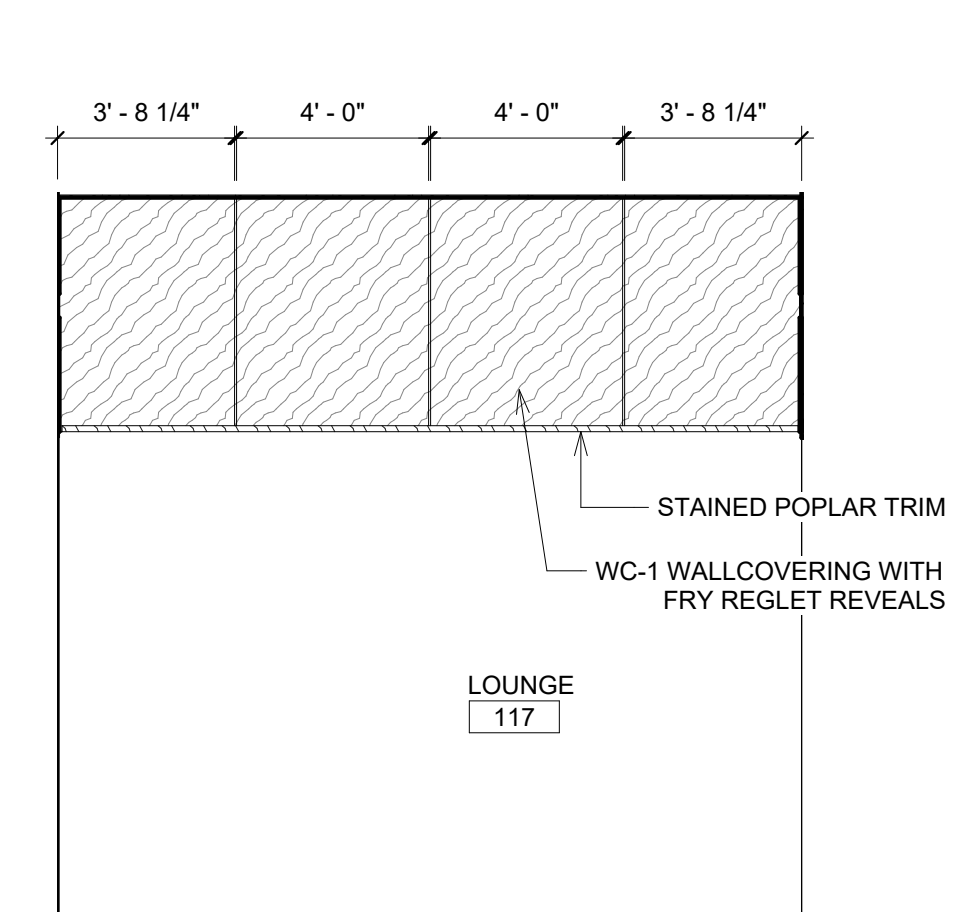
ISSUE DATE: PROJECT NO.:
08.27.2025 25005
DRAWING NO.

1 A-406

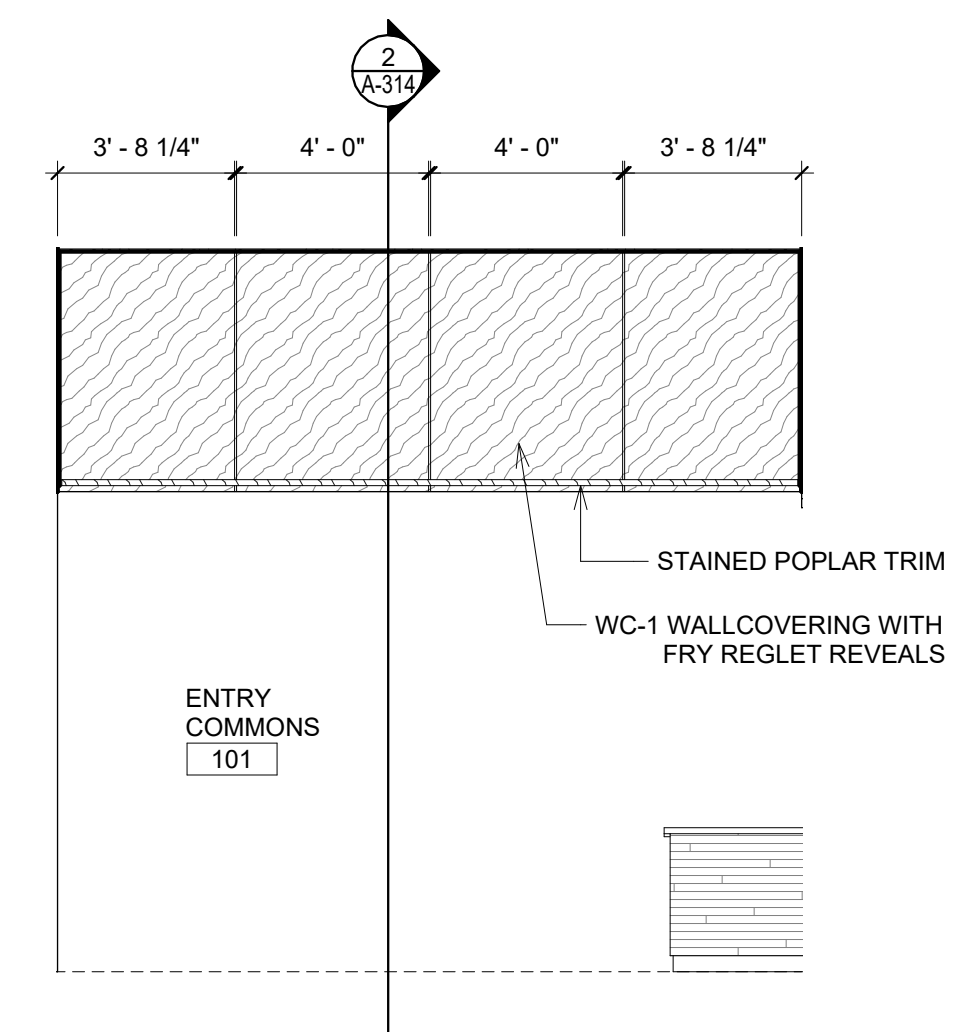
09/10/2025



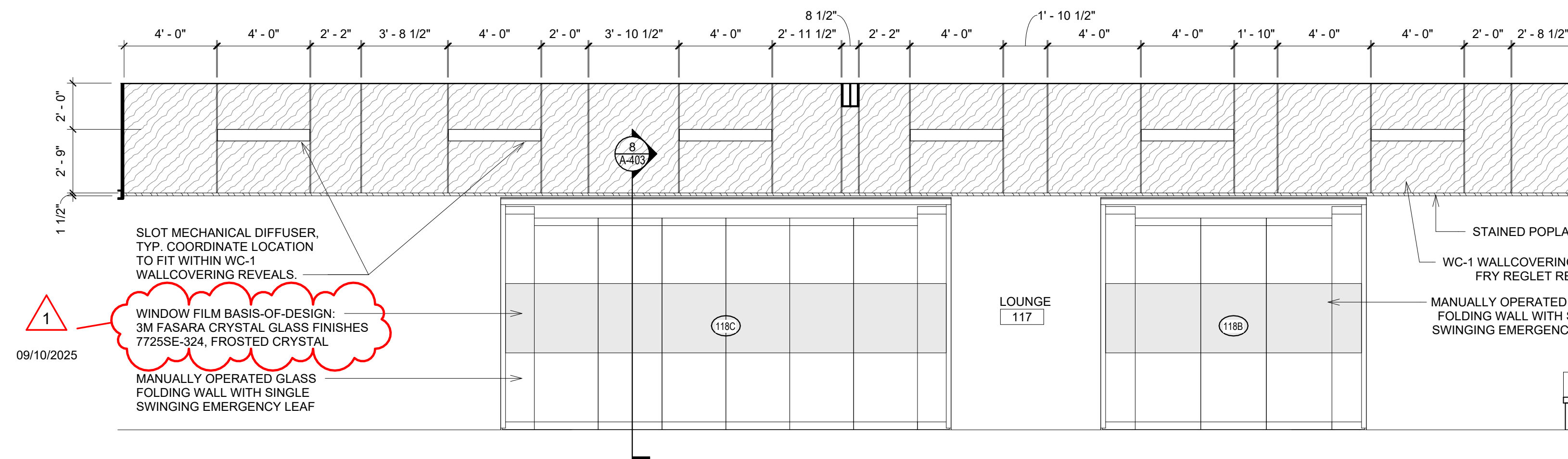
7 P.LAM SOFFIT SOUTH 2
1/4" = 1'-0"



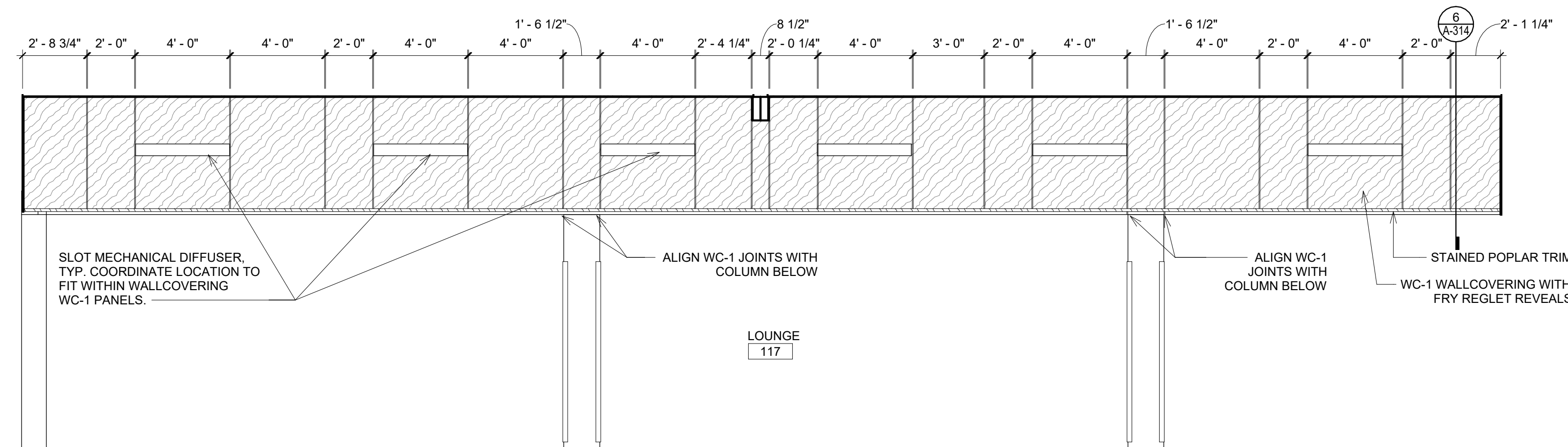
5 P.LAM SOFFIT NORTH 2
1/4" = 1'-0"



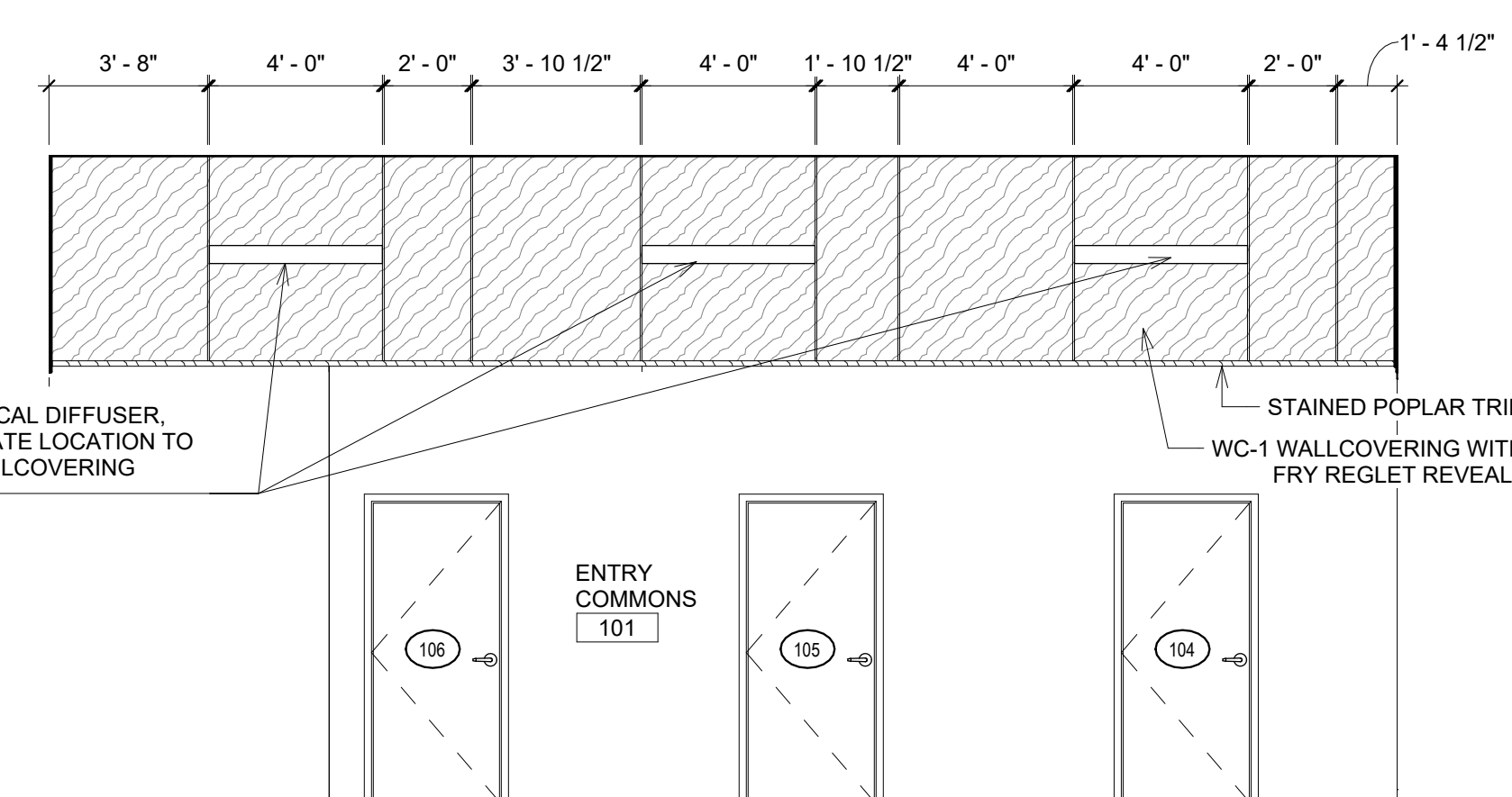
1 P.LAM SOFFIT NORTH 1
1/4" = 1'-0"



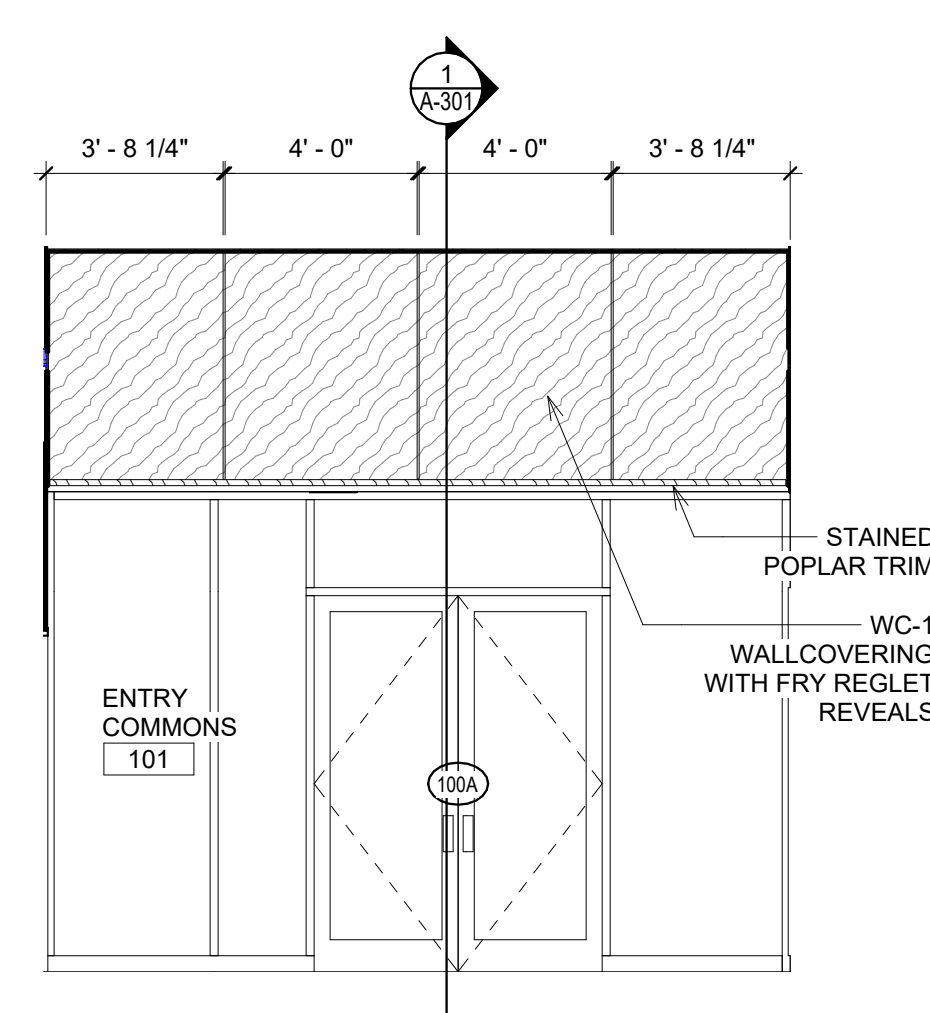
8 P.LAM SOFFIT WEST 2
1/4" = 1'-0"



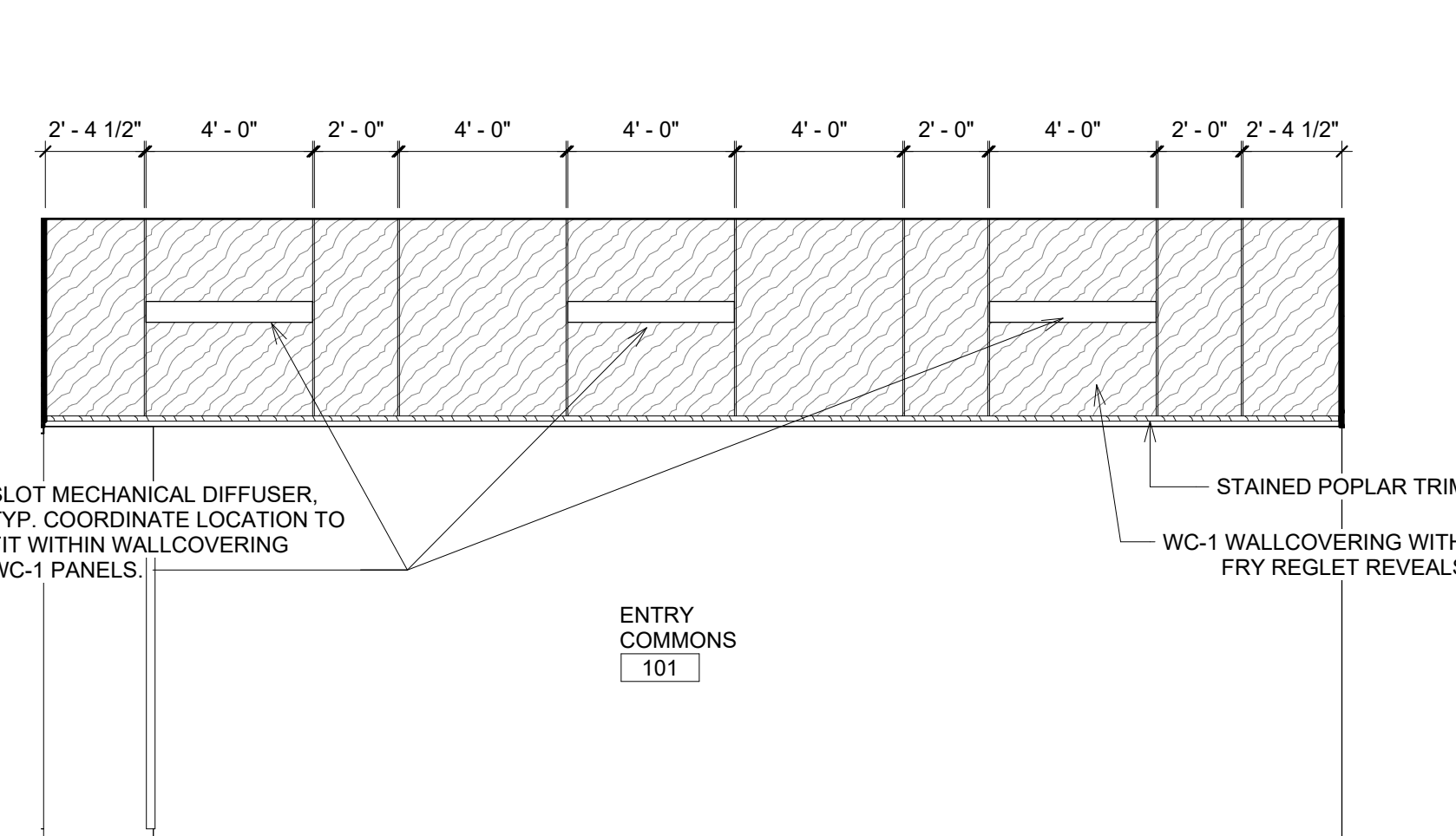
6 P.LAM SOFFIT EAST 2
1/4" = 1'-0"



2 P.LAM SOFFIT EAST 1
1/4" = 1'-0"



3 P.LAM SOFFIT SOUTH 1
1/4" = 1'-0"



4 P.LAM SOFFIT WEST 1
1/4" = 1'-0"

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MECHANICAL + ELECTRICAL DESIGN

ADDENDUM NO 1

Date of Issuance: SEPTEMBER 10, 2025

Project: SJCPL – WESTERN BRANCH

Owner: ST JOSEPH COUNTY PUBLIC LIBRARY

Project No.: 25.077

Original Bid Issue Date: AUGUST 27, 2025

1.1 NOTICE TO BIDDERS

- A. This Addendum is issued pursuant to the Instructions to Bidders and Conditions of the Contract. This Addendum serves to clarify, revise, and supersede information in the Project Manual, Drawings, and previously issued Addenda. Portions of the Addendum affecting the Contract Documents will be incorporated into the Contract by enumeration of the Addendum in the Owner/Contractor Agreement.
- B. The Bidder shall acknowledge receipt of this Addendum in the appropriate space on the Bid Form.

1.2 ATTACHMENTS

- A. This Addendum includes the following attached Sheets:
 - 1. Plumbing Sheets P100, P110, and P501.
 - 2. Mechanical Sheets M001, M501, and M801.
 - 3. Electrical Sheets E110, E210, and E211.

1.3 REVISIONS TO SPECIFICATIONS:

- A. Specification 224000:
 - 1. Modification: Revised section 2.1A1 Lavatories, Water Closets, Urinals to be Sloan only. Kohler and American Standard Removed.
 - 2. Modification: Revised section 2.1A5 Flush valves to be Sloan only. Zurn Removed.

1.4 REVISIONS TO DRAWING SHEETS

- A. Sheet P100 – Underground Plumbing Plan (reissued).
 - 1. **Deletion:** Removed sanitary piping serving first floor FCO.
- B. Sheet P110 – First Floor Plumbing Plan (reissued).
 - 1. **Modification:** Revised keyed note #14 to include filter manufacturer and model information.

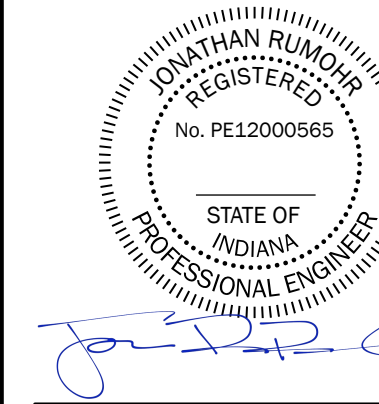
2. **Deletion:** Removed FCO.
- C. Sheet P501 – Plumbing Schedules (reissued).
 1. **Modification:** Revised basis of design on fixtures to be Sloan for WC-1 and LAV-1.
- D. Sheet M001 – First Floor Mechanical/Plumbing Demolition Plan (reissued).
 1. **Modification:** Revised sawcutting extents and keyed note #7 to exclude cleanout.
- E. Sheet M501 – Mechanical Schedules (reissued).
 1. **Modification:** Revised Make-up Air Unit Schedule to note packaged factory controls.
- F. Sheet M801 – Temperature Controls (reissued).
 1. **Modification:** Revised sequence of operations for Make-up Air Unit, Kitchen Exhaust Fan and Hood.
- G. Sheet E110 – First Floor Power Plan (reissued).
 1. **Modification:** Revised Lounge floor box to specify quad outlet.
 2. **Modification:** Addition of a receptacle in the Lounge.
 3. **Modification:** Revised basis of design for 120V control systems for kitchen equipment.
- H. Sheet E210 – First Floor Lighting Plan (reissued).
 1. **Modification:** Revised exterior lighting layout to show linear pendants and wall pack lights.
 2. **Modification:** Revised basis of design of lighting fixtures for E1, E4, E6, EE4, and EE6.
- I. Sheet E211 – First Floor Emergency Lighting Plan (reissued).
 1. **Modification:** Revised exterior lighting layout to show linear pendants and wall pack lights.

END OF ADDENDUM NO 1

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Kalamazoo, Michigan 49007
P: 269.203.5058
www.ignyte.design

KEY PLAN:

**SJCPL -
WESTERN
BRANCH**

RENOVATION AND
ADDITION

4163 W. WESTERN AVE.,
SOUTH BEND, IN 46619

REVISIONS:	DATE:
1 ADDENDUM 1	09/10/2025

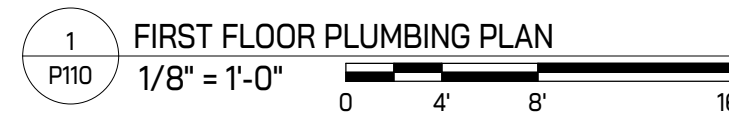
SET DESCRIPTION:
FOR CONSTRUCTION

DRAWING CONTENTS:
UNDERGROUND
PLUMBING PLAN

ISSUE DATE: 08/27/2025	PROJECT NO.: Project Number
DRAWING NO.:	

P100

09/10/2025



Plumbing Schedule - 09/10/2025, 8:01:12 AM
Autodesk Inventor / 2025.0.0.0 - Joe Smith
Autodesk Inventor / 2025.0.0.0 - Joe Smith

PLUMBING FIXTURE SCHEDULE																			
MARK	DESCRIPTION	MANUFACTURER	MODEL	PRODUCT TYPE	INSTALLATION TYPE	ADA	MATERIAL DESCRIPTION	FINISH	TRIM	DOMESTIC CONNECTIONS			DRAIN WASTE VENT			PRODUCT SPECIFICATION	NOTES		
									MANUFACTURER M/N	COLD WATER	HOT WATER	PIPING SIZES	DRAIN SIZE	DWY TEE	VENT SIZE				
EWC-1	WATER COOLER	MURDOCK	A172.8-UG-BF-BF12-BCD-WF3EZ	BOTTLE FILLING STATION - ADA	WALL HUNG	Yes	GALVANIZED STEEL	STAINLESS STEEL	N/A	Yes	No	1/2"	2"	2"	2"	BARRIER FREE, BI-LEVEL WALL MOUNTED WATER COOLER WITH SENSOR OPERATION BOTTLE FILLER, BOTTLE COUNTER DISPLAY, AND 3000-GALLON PFAS FILTER ACCESSORY. THE UNIT SHALL BE COMPLETE WITH CABINET, MOUNTING FRAME, SELF CLOSING EASY TOUCH SIDE AND FRONT PUSHBAR CONTROLS, FLEXIGUARD SAFETY BUBBLER, REFRIGERATING SYSTEM, AIR COOLED, 120 VAC, SINGLE PHASE POWER CONNECTION, FULLY AUTOMATIC, COMPLETE AND READY TO OPERATE. MOUNT UNIT AT ADA COMPLIANT HEIGHT.			
HB-1	HOSE BIBB	CHICAGO FAUCET	952-CP	INSIDE SILL FITTING	WALL MOUNT	No	POLISHED CHROME	CHROME	N/A	Yes	No	1/2"	0"	0"		INTERIOR HOSE BIBB WITH VACUUM BREAKER, 3/4" HOSE THREAD OUTLET, LOCK SHIELD CAP, AND REMOVABLE "TEE" HANDLE. PROVIDE SHUTOFF VALVE IN COLD WATER SUPPLY AHEAD OF HOSE BIBB.			
KS-1	KITCHEN SINK	JOHN BOOS	PBHS-W-0909-P	HAND SINK	WALL MOUNT	No	STAINLESS STEEL	STAINLESS STEEL	INCLUDED	Yes	Yes	1/2"	2"	2"	2"	9" x 9" x 5" DEEP WALL MOUNT STAINLESS STEEL HAND SINK WITH SPLASH MOUNT 4" ON-CENTER FAUCET HOLES. INCLUDES BASKET DRAIN AND FAUCET PBF-4-SLF. PROVIDE WITH ASSE 1070 COMPLIANT MIXING VALVE AND MOUNTING KIT JOHN BOOS PB-SMMK-90.			
KS-2	KITCHEN SINK	JOHN BOOS	3PB20-2D1B	3-COMPARTMENT	FLOOR SET	No	STAINLESS STEEL	STAINLESS STEEL	JOHN BOOS / PB-PRW-1LF	Yes	Yes	1/2"	2"		2"	3-COMPARTMENT SINK WITH 2 DRAIN BOARDS, 20" x 20" x 12" DEEP BOWLS, 16 GA STAINLESS STEEL WITH SATIN FINISH. FULL LENGTH 10" HIGH BACKSPLASH WITH 2" RETURN TO WALL AT 45 DEGREE AND 3/4" TURNED DOWN REAR LIP. 8" ON-CENTER 1" FAUCET HOLES IN BACKSPLASH. 8" ON-CENTER SPLASH MOUNT PRE-RINSE FAUCET WITH 12" WALL BRACKET. PROVIDE WITH ADD-ON FAUCET JOHN BOOS PB-AD-14LF, MOUNTING KIT JOHN BOOS PB-SMMK-90, TWIST HANDLE LEVER WASTE, JOHN BOOS PB-LWR-1, AND LEVER WASTE SUPPORT ARM BRACKET PB-LWB.	INDIRECT WASTE TO FLOOR SINK BY PLUMBING CONTRACTOR.		
LAV-1 BF	LAVATORY	SLOAN	SS-3106	WALL HUNG ADA	CONCEALED HANGER	Yes	WHITE VITREOUS CHINA	WHITE	SLOAN / SF-2950	Yes	Yes	1/2"	2"	2"	2"	ADA-COMPLIANT WALL HUNG LAVATORY, SINGLE CENTER FAUCET HOLE. TOUCHLESS SINGLE HOLED LAVATORY FAUCET WITH SENSOR TECHNOLOGY, DC POWERED, WITH VANDAL RESISTANT AERATOR. PROVIDE WITH EXTERNAL ASSE 1070 COMPLIANT THERMOSTATIC MIXING VALVE, GRID DRAIN, LOOSE KEY ANGLE STOPS AND SUPPLIES. INSULATE WATER AND WASTE WITH ADA INSULATION KIT. REFER TO ARCHITECTURAL DRAWINGS FOR MOUNTING HEIGHT.			
MB-1	SINK	MUSTEE	63M	JANITOR SINK	FLOOR SET	No	MOLDED STONE	WHITE	MUSTEE / 63.600A	Yes	Yes	3/4"	3"	3"	3"	24" x 24" x 10" DEEP ONE-PIECE MOLDED FIBERGLASS SERVICE BASIN WITH INTEGRAL MOLDED-IN DRAIN FOR CONNECTION. HEAVY DUTY WALL-MOUNTED SERVICE FAUCET WITH TOP REINFORCING BAR AND INLETS ON 8" CENTERS. FAUCET SHALL INCLUDE PAIL HOOK AND VACUUM BREAKER SPOUT. FURNISH 5'-0" LENGTH OF 5-PLY GARDEN HOSE AND FITTINGS.			
NFHW-1	HYDRANT	WOODFORD	B67	FREEZELESS EXTERIOR	WALL MOUNT	No	CHROME	CHROME	N/A	Yes	No	3/4"	0"	0"		AUTOMATIC DRAINING NON-FREEZE TYPE WALL HYDRANT WITH BOX AND DOOR, DOUBLE CHECK BACKFLOW PREVENTER, AND LOOSE KEY SOCKET. CONTRACTOR TO PROVIDE THE NECESSARY RECESS IN THE WALL WHERE A RISER TO A WALL HYDRANT OCCURS IN AN OUTSIDE WALL THE CONTRACTOR SHALL INSULATE THE CHASE WITH 2" STYROFOAM INSULATION ON ALL SIDES OF THE CHASE, EXCEPT THE INSIDE WALL OF THE CHASE.			
OB-1	OUTLET BOX	SIDUX CHIEF	696-R01010MF	ICE MAKER	RECESSED	No	ABS PLASTIC	WHITE	N/A	Yes	No	1/2"	2"			FIRE-RATED ICE MAKER OUTLET BOX.			
OB-2	OUTLET BOX	SIDUX CHIEF	696-R2313MF	WASHING MACHINE	RECESSED	No	ABS PLASTIC	WHITE	N/A	Yes	Yes	1/2"	2"	2"	2"	FIRE-RATED WASHING MACHINE OUTLET BOX.			
SK-1	SINK	KOHLER	K-3822	SINGLE BOWL	UNDERMOUNT	No	STAINLESS STEEL	STAINLESS STEEL	KOHLER / K-596	Yes	Yes	1/2"	2"	2"	2"	ADA-COMPLIANT 24" X 18-1/4" X 9" DEEP SINGLE COMPARTMENT UNDERMOUNT SINK, 18 GAUGE, WITH REAR DRAIN PLACEMENT. SINGLE LEVER PULL DOWN KITCHN SINK FAUCET WITH TOUCHLESS CONTROLS. PROVIDE WITH BASKET STRAINER, P-TRAP, TAILPIECES, SUPPLIES AND STOPS. INSULATE WATER AND WASTE TO MEET ADA REQUIREMENTS.			
WC-1 BF	WATER CLOSET	SLOAN	ST-2029	FLUSH VALVE ADA	FLOOR SET	Yes	WHITE VITREOUS CHINA	WHITE	SLOAN / 111-128-CO	Yes	No	1"	4"	2"	2"	ADA-COMPLIANT ELONGATED FLOOR MOUNTED WATER CLOSET, 1-1/2" TOP SPUD, WITH OPEN FRONT SEAT AND SELF-SUSTAINING HINGE. MANUAL POLISHED CHROME FINISH FLUSHOMETER.			

09/10/2025

ROOF DRAIN SCHEDULE												
MARK	DESCRIPTION	MANUFACTURER	MODEL	PRODUCT TYPE	DESIGN PIPE SIZE	BODY MATERIAL	STRAINER TYPE	PRODUCT SPECIFICATION				NOTES
RD-1	COMBINATION DRAIN	JAY R SMITH	1801Y-04	COMBINED LARGE SUMP WITH SECONDARY OVERFLOW	4"	LACQUERED CAST IRON	POLYETHYLENE	CAST IRON BODIES WITH COMBINED FLASHING CLAMP AND GRAVEL STOP FOR ROOF DRAIN AND COMBINED FLASHING CLAMP AND 2 HIGH EXTERNAL WATER DAM FOR OVERFLOW DRAIN, POLYETHYLENE DOMES NAD TOP MOUNT DOUBLE DECK PLATE WITH SECURING HOLES AND WAREWARE FOR ELEVATING DRAINS, NO-HUB OUTLET.				
DSN-1	DOWNSPOUT	JAY R SMITH	1770Y	DOWNSPOUT NOZZLE	4"	-		DOWNSPOUT NOZZLE WITH CAST BRONZE NOZZLE AND FLANGE, AND NO-HUB OUTLET.				

WATER SOFTENER SCHEDULE																						
IDENTITY	MANUFACTURER	MODEL	PRODUCT TYPE	INSTALLATION TYPE	WATER HARDNESS	SYSTEM PIPE SIZE	HEADER PIPE SIZE	PEAK FLOW	BACKWASH FLOW RATE	REGEN TIME	RESIN VOLUME	RESIN TANK			BRINE TANK		BRINE TANK		PRODUCT WEIGHT	OPERATING WEIGHT	SPECIFICATION	NOTES
								RATE				QTY	DIA.	HEIGHT	CAPACITY	DIA.	HEIGHT					
WS-1	KINETICO	KP213S OD	WATER SOFTENER	FLOOR MOUNT	23.4 gpg	2"	2"	60 GPM	5.0 GPM	90 min	5 CF	2	13"	60"	600 lbm	24"	40"	300 lb	1105 lb	NON-ELECTRIC TWIN-TANK WATER SOFTENER SYSTEM WITH HDPE BRINE TANK.		

FLOOR DRAIN SCHEDULE													NOTES
MARK	MANUFACTURER	MODEL	PRODUCT TYPE	BODY MATERIAL	STRAINER TYPE	DESIGN PIPE	DRAIN WASTE-VENT			PRODUCT SPECIFICATION			
						SIZE	DRAIN SIZE	DMV TEE	VENT SIZE				
FD-1	JAY R SMITH	2005Y-03-NB	ROUND STRAINER	CAST IRON	NICKEL BRONZE	3"	3"	3"	2"	EPOXY COATED CAST IRON FLOOR DRAIN WITH ANCHOR FLANGE, REVERSIBLE CLAMPING COLLAR WITH PRIMARY & SECONDARY WEEPHOLES, ADJUSTABLE ROUND HEEL PROOF NICKEL BRONZE STRAINER, AND NO HUB OUTLET.			
FD-1	JAY R SMITH	2005Y-03-NB	ROUND STRAINER	CAST IRON	NICKEL BRONZE	4"	4"	4"	2"	EPOXY COATED CAST IRON FLOOR DRAIN WITH ANCHOR FLANGE, REVERSIBLE CLAMPING COLLAR WITH PRIMARY & SECONDARY WEEPHOLES, ADJUSTABLE ROUND HEEL PROOF NICKEL BRONZE STRAINER, AND NO HUB OUTLET.			
FS-1	JAY R SMITH	320-Y03	12" SQUARE X 6" DEEP	CAST IRON		3"	3"	3"	2"	12" SQUARE X 6" DEEP SANITARY FLOOR SINK WITH WHITE PORCELAIN ENAMEL COATED INTERIOR, LOOSE SET PORCELAIN ENAMEL COATED CAST IRON GRATE, ALUMINUM DOME BOTTOM STRAINER, AND NO HUB OUTLET. PROVIDE WITH 1/2 GRATE, SERIES 320-11.			

GREASE INTERCEPTOR SCHEDULE														
MARK	MANUFACTURER	MODEL	PRODUCT TYPE	MATERIAL DESCRIPTION	COVER DESCRIPTION	COVER SIZE	SYSTEM PIPE SIZE	RATED FLUID FLOW RATE	MIN RETENTION CAPACITIES			PRODUCT WEIGHT	OPERATING WEIGHT	NOTES
									GREASE	SOLIDS	LIQUID			
GI-1	SCHIER	GB2	GRAVITY	POLYETHYLENE	-	21 1/2"	4"	35 GPM	20 gal	1.8 gal	20 gal	49 lb	216 lb	FLOOR SET, ABOVE GRADE INSTALLATION.

THERMOSTATIC MIXING VALVE SCHEDULE																	
IDENTITY	MANUFACTURER	MODEL	PRODUCT TYPE	MATERIAL	FINISH	SYSTEM FLUID	SYSTEM OUTLET	COLD WATER SUPPLY TEMP.	DESIGN TEMPERATURES		CAPACITY		MINIMUM FLOW	MAWP	MAWT	WEIGHT	NOTES
									HOT IN	SETPOINT	FLOW RATE	WPD					
TMV-1	WATTS	LFMMV	MASTER MIXER	LEAD FREE BRASS	ROUGH BRONZE	DOMESTIC	3/4"	40 °F	140 °F	120 °F	20 GPM	20 psi	0.5 GPM	150 psi	180 °F	2 lb	ASSE 1017 COMPLIANT
TMV-2	WATTS	LFMMV	MASTER MIXER	LEAD FREE BRASS	ROUGH BRONZE	DOMESTIC	1"	40 °F	140 °F	120 °F	20 GPM	20 psi	0.5 GPM	150 psi	180 °F	3 lb	ASSE 1017 COMPLIANT

EXPANSION TANK SCHEDULE																
MARK	MANUFACTURER	MODEL	PRODUCT TYPE	INSTALLATION TYPE	DIMENSIONS		SYSTEM FLUID	APPROXIMATE	MAX SYSTEM PRESSURE	MAX SYSTEM TEMP.	TANK	TANK ACCEPTANCE		TANK CAPACITY	PRODUCT WEIGHT	NOTES
					VOLUME	FILL		TEMP.			FACTOR	VOLUME				
ET-1	AMTROL	ST-SC	FIXED DIAPHRAM	Suspended In-line	14"	8"	DOM. WATER	11.0 gal	150 psi	140 °F	40 °F	45%	0.9 gal	2.0 gal	10 lb	-
ET-2	AMTROL	ST-12C	FIXED DIAPHRAM	Suspended In-line	18"	12"	DOM. WATER	40.0 gal	150 psi	140 °F	40 °F	50%	3.2 gal	6.4 gal	17 lb	-

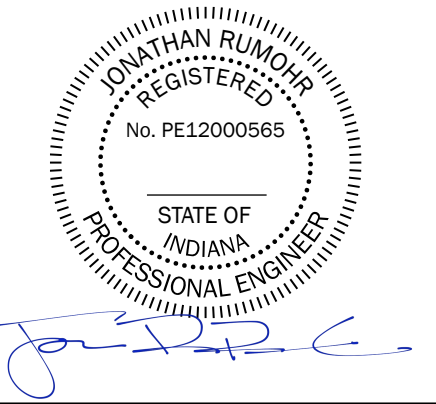
DOMESTIC CIRCULATOR PUMP SCHEDULE										
MARK	MANUFACTURER	MODEL	PRODUCT TYPE	MATERIAL	PUMP DESIGN	ELECTRICAL	WEIGHT	NOTES		
DCP-1	BELL & GOSSETT	ECODRC 19-16	INLINE	CAST IRON	2.0 GPM	0.5 FT	115 V	1	7 lb	
DCP-2	BELL & GOSSETT	ECODRC 19-16	INLINE	CAST IRON	2.0 GPM	0.5 FT	115 V	1	7 lb	



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KEY PLAN:

Public
Library
ST. JOE COUNTY

SJCPL -
WESTERN
BRANCH

RENOVATION AND
ADDITION

4163 W. WESTERN AVE.,
SOUTH BEND, IN 46619

REVISIONS: 1
ADDENDUM 1

DATE: 09/10/2025

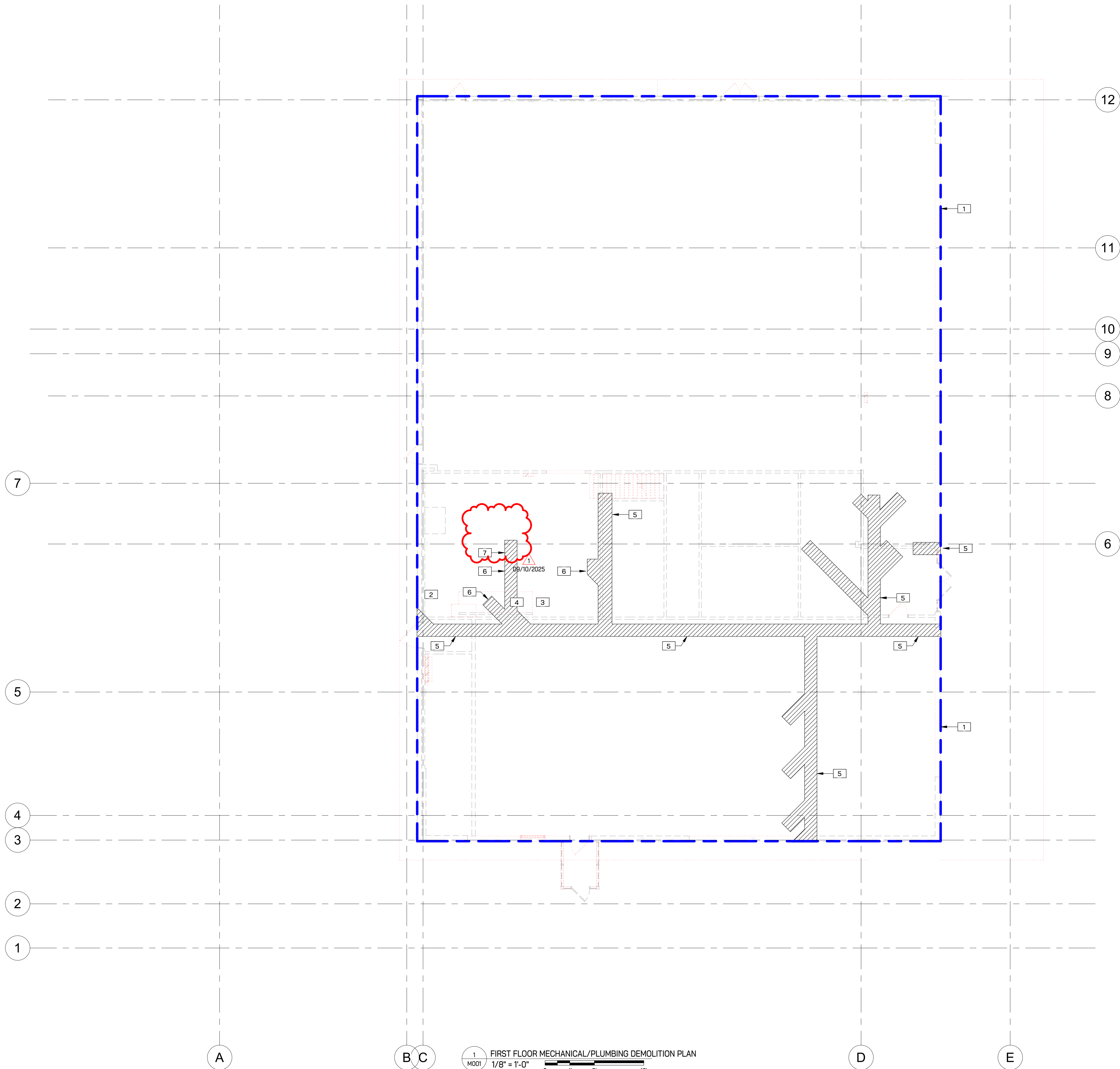
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PLUMBING SCHEDULES

ISSUE DATE: 08/27/2025
PROJECT NO.: Project Number

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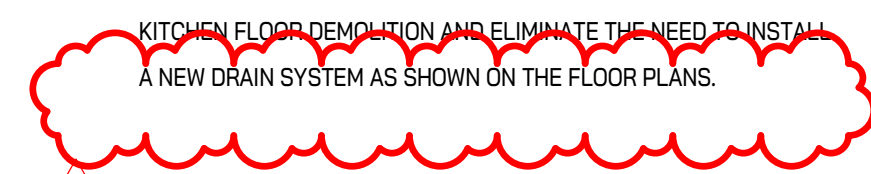
P501

Rev: 1/1/2025
Author: J. Jones
Project: 220002 St. Joe County Public Library Western Branch/22.077_SJCPL_WB22.077



MECHANICAL DEMOLITION KEYED NOTES

- 1 REMOVE EXISTING MECHANICAL AND PLUMBING SYSTEM EQUIPMENT, FIXTURES, AND ASSOCIATED PIPING IN ITS ENTIRETY UNLESS NOTED OTHERWISE. REMOVE SUPPLY PIPING BACK TO BUILDING SERVICE MAINS/METERS AND CAP. REMOVE SANITARY PIPING BACK TO BELOW FLOOR AND CAP. SAW CUT SLAB AS NEEDED TO CAP PIPING. ABANDON REMAINING SANITARY PIPING BELOW FLOOR. PROVIDE BLANK COVER PLATE AND PATCH. REPAIR, AND PAINT SURFACES TO MATCH ADJACENT FINISHES WHERE FIXTURES ARE REMOVED AND NOT REPLACED. PREPARE FOR NEW WORK.
- 2 EXISTING INSTANTANEOUS G WATER HEATER, (EWH-1, TO BE DISCONNECTED, RELOCATED, AND REINSTALLED. PREPARE FOR NEW CONNECTIONS.
- 3 EXISTING ELECTRIC TANK WATER HEATER, (EWH-2, TO BE DISCONNECTED, RELOCATED, AND REINSTALLED. PREPARE FOR NEW CONNECTIONS.
- 4 REUSE QTY (1) EXISTING DUAL RANGE. RANGE TO BE DISCONNECTED, RELOCATED, AND REINSTALLED. PREPARE FOR NEW CONNECTIONS.
- 5 SAW CUT AREA, REFER TO NEW PLANS FOR UNDERGROUND PIPE ROUTING. CONTRACTOR TO FIELD VERIFY ROUTING AND CONNECTION REQUIREMENTS.
- 6 SALVAGE EXISTING QUARRY TILE FROM KITCHEN FLOORING DURING SAW CUT. RE-USE TILE TO PATCH AND REPAIR AREAS AFFECTED BY NEW WORK.
- 7 PRIOR TO SAW CUTTING, CONTRACTOR SHALL SCOPE AND FIELD-VERIFY EXISTING DRAIN ROUTING TO DETERMINE IF THE EXISTING FLOOR DRAIN, CLEANOUT, AND ASSOCIATED PIPING CAN BE RETAINED AND REUSED. REUSE IF FEASIBLE TO MINIMIZE KITCHEN FLOOR DEMOLITION AND ELIMINATE THE NEED TO INSTALL A NEW DRAIN SYSTEM AS SHOWN ON THE FLOOR PLANS.



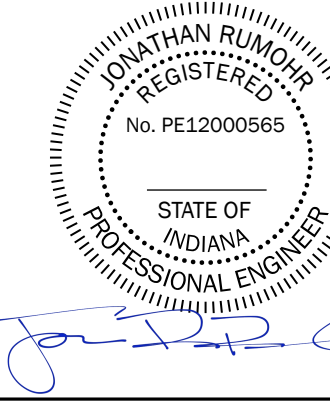
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KEY PLAN:

Public Library
ST. JOE COUNTY

**SJCPL -
WESTERN
BRANCH**

RENOVATION AND
ADDITION

4163 W. WESTERN AVE.,
SOUTH BEND, IN 46619

REVISIONS: DATE:
1 ADDENDUM 1 09/10/2025

SET DESCRIPTION:
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DRAWING CONTENTS:
FIRST FLOOR
MECHANICAL/PLUMBING
DEMOLITION PLAN

ISSUE DATE: PROJECT NO.:
08/27/2025 Project Number

DRAWING NO.:

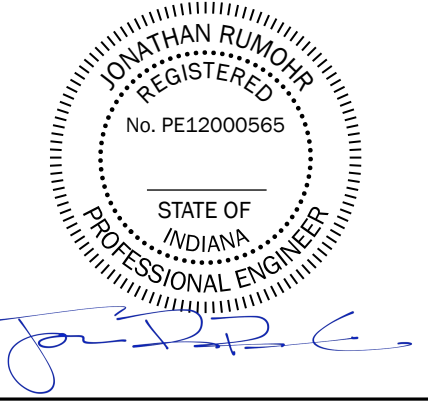
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RENOVATION AND
ADDITION

4163 W. WESTERN AVE.,
SOUTH BEND, IN 46619

REVISIONS:
1 ADDENDUM 1

DATE:
09/10/2025

SET DESCRIPTION:
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DRAWING CONTENTS:
MECHANICAL
SCHEDULES

ISSUE DATE:
08/27/2025
PROJECT NO.:
Project Number

DRAWING NO.:

M501

PACKAGED RTU SCHEDULE - GAS FIRED

PACKAGED RTU SCHEDULE - GAS FIRED																													
MARK	INSTALLED LOCATION	MANUFACTURER	MODEL	NOMINAL CAPACITY	OUTDOOR AIR INTAKE FLOW	SUPPLY FAN SYSTEM			SUPPLY FAN MOTOR			COOLING COIL					HEATING AIRFLOW DESIGN				GAS BURNER RATING		ELECTRICAL		REFRIGERANT		PRODUCT WEIGHT	NOTES	
						CAPACITY	ESP	QTY	SIZE	RPM	TOTAL	SENSIBLE	EDB	EWB	LDB	LWB	OUTPUT	EAT	LAT	TYPE	INPUT RATING	VOLTAGE	PHASE	TYPE	WEIGHT				
RTU-1	GRADE	AACN	RNA-013-B-A-8-GABOC-CB2LD-00-0FEAH-E00-00000-00000-EC-00J-00-ED-0-AND-EB-N000-00-000-AC0AD0-C0000B-0000000B	12.0 ton	1,200 CFM	4,800 CFM	1.25 in-wg	1	5.00 hp	1694	168 Btu/h	134 Btu/h	80 °F	66 °F	56 °F	55 °F	121,500 Btu/h	47 °F	70 °F	NG	292,500 Btu/h	208 V	3	R-454B	2145 lb	1, 2, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17			
RTU-2	GRADE	AACN	RNA-013-B-A-8-GABOC-CB2LD-00-0FEAH-E00-00000-00000-EC-00J-00-ED-0-AND-EB-N000-00-000-AC0AD0-C0000B-0000000B	12.0 ton	1,200 CFM	4,800 CFM	1.25 in-wg	1	5.00 hp	1694	164 Btu/h	131 Btu/h	80 °F	66 °F	56 °F	55 °F	121,500 Btu/h	47 °F	70 °F	NG	292,500 Btu/h	208 V	3	R-454B	2145 lb	1, 2, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17			
RTU-3	ROOF	AACN	RNA-011-B-A-8-GABOC-CB2LD-00-0FEAG-E00-00000-00000-EC-000J-00-ED-0-AND-EB-N000-00-000-AC0AD0-C0000B-0000000B	10.0 ton	1,000 CFM	4,000 CFM	1.25 in-wg	1	3.00 hp	1502	130 Btu/h	108 Btu/h	80 °F	66 °F	56 °F	55 °F	121,500 Btu/h	47 °F	75 °F	NG	292,500 Btu/h	208 V	3	R-454B	1892 lb	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16			
RTU-4	ROOF	AACN	RNA-011-C-A-8-GABOC-CB1LD-01-0FGDG-E00-00000-00000-EA-000J-00-ED-0-AND-EB-N000-00-000-AC0AD0-C0000B-0000000B	10.0 ton	1,000 CFM	4,000 CFM	1.25 in-wg	1	3.00 hp	1165	129 Btu/h	108 Btu/h	80 °F	66 °F	56 °F	55 °F	121,500 Btu/h	47 °F	75 °F	NG	270,000 Btu/h	208 V	3	R-454B	3154 lb	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16			
RTU-05	ROOF	AACN	RQA-005-A-A-8-GB80A-CBSLD-0G-0ADAF-E00-00000-00000-EC-000J-00-ED-0-AND-EB-N000-00-000-AC0AD0-C0000B-0000000B	5.0 ton	500 CFM	2,000 CFM	1.25 in-wg	1	2.00 hp	1779	63 Btu/h	53 Btu/h	80 °F	66 °F	56 °F	56 °F	48,000 Btu/h	47 °F	69 °F	NG	140,000 Btu/h	208 V	3	R-454B	1048 lb	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16			
ACCEPTABLE MANUFACTURES		SCHEDULE IS BASED ON AACN. EQUALS BY DAIKIN, TRANE, AND YORK / JOHNSON CONTROLS ARE ACCEPTABLE SUBSTITUTIONS.																											
NOTES		1) PROVIDE DIFFERENTIAL ENTHALPY ECONOMIZER WITH POWER EXHAUST. 2) PROVIDE DIFFERENTIAL ENTHALPY ECONOMIZER WITH BAROMETRIC EXHAUST. 3) PROVIDE 14" HIGH ROOF CURB. 4) PROVIDE FACTORY INSTALLED AND UNIT POWERED 115V GFI SERVICE OUTLET. 5) PROVIDE UNIT WITH MSV BLOWER. 6) PROVIDE FACTORY INSTALLED COIL HAIL GUARD. 7) PROVIDE FACTORY INSTALLED RETURN SIDE SMOKE DETECTOR. 8) PROVIDE FACTORY INSTALLED NON-FUSED DISCONNECT. 9) PROVIDE 2" MERV 8 THROW AWAY FILTERS. 10) PROVIDE HUMIDITROL OPTION WITH FACTORY WALL MOUNTED HUMIDITY SENSOR. 11) PROVIDE FACTORY BELT TENSIONER, FIELD INSTALLED. 12) PROVIDE FACTORY CONFIGURED PHASE LOSS PROTECTION. 13) PROVIDE SHORT-CIRCUIT CURRENT RATING OF 100K. 14) PROVIDE HINGED PANELS FOR FILTER ACCESS, FAN MOTOR ACCESS, COMPRESSOR ACCESS, AND CONTROL COMPARTMENT ACCESS. 15) ADJUST GAS MANIFOLD PRESSURE AT LOCATIONS WHERE ELEVATION EXCEEDS 2000' ABOVE SEA LEVEL AS RECOMMENDED BY MANUFACTURER. 16) RTU TO BE DDC-READY. CONTROLS CONTRACTOR TO FURNISH AND INSTALL ALL CONTROLS COMPONENTS AS WELL AS INTEGRATION TO BMS. 17) INSTALL ON INSULATED GRADE MOUNTED CURB WITH HORIZONTAL S AND R SIDE OPENINGS, THYBAR CURB MODEL #63HHN0229230.																											

MAKE-UP AIR UNIT SCHEDULE (GAS-FIRED)

IDENTITY	INSTALLED LOCATION	MANUFACTURER	MODEL	PRODUCT TYPE	INSTALLATION TYPE	OUTDOOR AIR INTAKE FLOW	SUPPLY FAN SYSTEM		SUPPLY FAN MOTOR		GAS BURNER RATINGS			ELECTRICAL		INTERLOCK	PRODUCT WEIGHT	SPECIFICATION	NOTES
							QTY	SIZE	TYPE	SIZE	INPUT RATING	OUTPUT RATING	EFFICIENCY	VOLTAGE	PHASE				
MAU-1	ROOF	CAPTIVEAIRE	CAS-HVAC2-1250-15-13T	GAS-FIRED	Support on Curb	1,805 CFM	1.00 in-wg	1	2.00 hp	NG	213,367 Btu/h	172,819 Btu/h	81%	208 V	3	-	2220 lb	-	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19
ACCEPTABLE MANUFACTURES	SCHEDULE IS BASED ON CAPTIVEAIRE. EQUALS BY GREENHECK AND AADN ARE ACCEPTABLE SUBSTITUTIONS.																		
NOTES	1) INVERTER SCROLL COMPRESSOR WITH INTEGRATED OIL SENSOR, DIGITAL OR STAGED SCROLL, NOT AN APPROVED EQUAL. 2) DIRECT DRIVE PLENUM BLOWER, BELT DRIVEN BLOWERS ARE NOT ACCEPTABLE. 3) INTEGRATED MONITORING VIA CELLULAR CONNECTION BY MANUFACTURER. 4) REFRIGERATION PRESSURE MONITORING ON HIGH AND LOW PRESSURE SIDE OF SYSTEM INCLUDED THROUGH DIGITAL INTERFACE. 5) EC MOTOR CONDENSING FANS. 6) ELECTRONIC EXPANSION VALVE, TXV NOT ACCEPTABLE. 7) SUCTION LINE ACCUMULATOR. 8) FACTORY COMMISSIONING WITH 5 YEAR PARTS WARRANTY, 25 YEAR WARRANTY ON STAINLESS STEEL HEAT EXCHANGER. 9) AVERAGING INTAKE, EVAP AND DISCHARGE TEMPERATURE SENSORS (DISCHARGE SENSOR TO BE FACTORY MOUNTED WITHIN UNIT). 10) 2" EXTERIOR DUAL-WALL CONSTRUCTION W/ R-13 INSULATION-MINIMUM 20GA EXTERIOR W/ 14 GA BASE. 11) 181% EFFICIENT FURNACE, WITH MODULATING INDUCER TO MAINTAIN CONSTANT COMBUSTION EFFICIENCY DURING FIRING RANGE, 15:1 TURNDOWN WITH NG AND 12:1 TURNDOWN WITH LP. 12) SUPPLY CFM MONITORING INTEGRAL TO UNIT WITH CFM MEASUREMENT INCLUDED THROUGH DIGITAL INTERFACE. 13) FULLY MODULATING GAS REHEAT. 14) 15 DEGREE LOW AMBIENT OPERATION. 15) RTU ECONOMIZER WITH DIFFERENTIAL ENTHALPY CONTROL. 16) SIDE DISCHARGE /DOWN RETURN. 17) DIRECT DRIVE ECM PLENUM BLOWER, BELT DRIVEN AND NON-ECM BLOWERS ARE NOT ACCEPTABLE. 18) MINIMUM ROOM AREA ASSUMED 7.2' SUPPLY DIFFUSER HEIGHT AND IS CALCULATED PER UL60335-2-40 4TH ED. VALUES BASED ON FACTORY CHARGE. ACTUAL SITE CHARGE MAY DIFFER. 19) 20" MINIMUM CLEARANCE TO COMBUSTIBLES. 20) PROVIDE WITH FACTORY CONTROLS FOR MAU, HOOD, AND EXHAUST FAN CAPABLE OF INTEGRATION VIA BACNET MS/TP INTO THE BUILDING MANAGEMENT SYSTEM.																		

OUTDOOR SPLIT SYSTEM SCHEDULE

MARK	INSTALLED LOCATION	MANUFACTURER	MODEL	NOMINAL CAPACITY	OUTDOOR FAN			OUTDOOR COOLING		REFRIGERANT	SOUND RATINGS	ELECTRICAL				PRODUCT WEIGHT	NOTES
					CAPACITY	POWER	RATED COOLING CAPACITY	EDB	EWB			VOLTAGE	PHASE	MCA	MOP		
ODU-1	GRADE	MITSUBISHI	PUY-A18NKA7	1.5 ton	1,590 CFM	1.68 kW	18,000 Btu/h	95 °F	75 °F	R-454B	44 dBA	208 V	1	14.6 A	28.0 A	99 lb	

INDOOR SPLIT SYSTEM SCHEDULE

MARK	MANUFACTURER	MODEL	NOMINAL CAPACITY	DESIGN AIRFLOW RATE	RATED COOLING CAPACITY	REFRIGERANT	ELECTRICAL				PRODUCT WEIGHT	NOTES
							VOLTAGE	PHASE	MCA	MOP		
IDU-1	MITSUBISHI	PKA-A-18LA1	1.5 ton	1,590 CFM	18,000 Btu/h	R-454B	208 V	1	0.7 A	28 lb		

KITCHEN HOOD SCHEDULE

IDENTITY	MANUFACTURER	MODEL	PRODUCT TYPE	MATERIAL	MAX COOKING AIRFLOW RATE	EXHAUST RATE	EXHAUST DUCT			DIMENSIONS			INCLUDE PLENUM	INCLUDE CABINET	PRODUCT WEIGHT	ELECTRICAL			NOTES
							QTY	STATIC	VELOCITY	LENGTH	WIDTH	HEIGHT				VOLTAGE	PHASE	SPECIFICATION	
KH-1	CAPTIVEAIRE	6024 ND-2	KITCHEN EXHAUST HOOD	430 SS	600 DEG	1805 CFM	1	-0.87"	1688	10'-6"	60"	104"	YES	YES	1080 LB				1, 2, 3, 4
ACCEPTABLE MANUFACTURES	SCHEDULE IS BASED ON CAPTIVEAIRE. EQUALS BY GREENHECK AND AADN ARE ACCEPTABLE SUBSTITUTIONS.																		
NOTES	1) PROVIDE WITH CAPTIRATE SOLO FILTER, 20"x16" LONG, 85% EFFICIENCY @ 7 MICRONS. 2) PROVIDE RECESSED ROUND TYPE LIGHTS LESS WIRE GUARD. 3) PROVIDE WITH TANK FS TYPE UTILITY CABINET, 4.0/4.0 SIZE MODEL DCV-111, WITH FIRE SYSTEM PRING. 4) PROVIDE WITH GAS VALVE SC ELECTRICAL TYPE, 2.0 SIZE BY CAPTIVEAIRE SYSTEMS.																		

LINEAR SLOT DIFFUSER SCHEDULE

MARK	MANUFACTURER	MODEL	DESCRIPTION	FRAME STYLE	SLOT(S) SIZE	SLOT QUANTITY	DEFLECTION TYPE	END CONDITION	FINISH	TYPE	TRACK SIZE LENGTH	NECK SIZE	NECK SHAPE		MATERIAL	NOTES
													ROUND	FLAT OVAL		
LD-1	PRICE	CF	LINEAR DIFFUSER	EXPOSED FRAME	1"	2	ADJUSTABLE	FLANGED END	WHITE ENAMEL	LAY IN	4'-0"	8'0"	Yes	No	ALUMINUM	1, 5
LD-2	PRICE	CF	LINEAR DIFFUSER	EXPOSED FRAME	1"	2	ADJUSTABLE	FLANGED END	BLACK	SURFACE MOUNT	4'-0"	8'0"	Yes	No	ALUMINUM	2, 3, 4
ACCEPTABLE MANUFACTURES	SCHEDULE IS BASED ON PRICE. EQUALS BY KRUEGER, TUTTLE AND BAILEY, TITUS, AND NAILOR ARE ACCEPTABLE SUBSTITUTIONS.															
NOTES	1) PROVIDE WITH UNIVERSAL PLENUM MODEL UP WITH FLAT HEM OF U BORDER TYPE, INTERNALLY INSULATED, 48" LENGTH, 8" INLET, AND STANDARD NECK OPTIONS. 2) PROVIDE WITH UNIVERSAL PLENUM MODEL UP WITH HEMMED OF BORDER TYPE, INTERNALLY INSULATED, 48" LENGTH, 8" INLET, STANDARD NECK, AND CABLE OPERATED DAMPER VOR8EC OPTIONS. 3) PROVIDE COLOR SAMPLES FOR ARCHITECTS APPROVAL. 4) PROVIDE WITH DRYWALL MOUNTING KIT MP-D625. 5) PROVIDE WITH FULL FLOW DUCT MOUNTED STEEL DAMPER MODEL VOR8.															

GRILLES, REGISTERS & DIFFUSERS SCHEDULE

MARK	MANUFACTURER	MODEL	DESCRIPTION	TYPE	FACE SIZE	DEFLECTION TYPE	BLADE DESIGN		MATERIAL	FINISH	BORDER APPLICATION	NOTES
							SPACING	ANGLE				
EG-1	PRICE	80F	RETURN GRILLE	EGGCRATE RETURN	12"x12"	FIXED DEFLECTION	1/2"	0.0"	ALUMINUM	MILL	Surface Mount	2
RD-1	PRICE	PDDR	RETURN DIFFUSER	PERFORATED RETURN	24"x24"	FIXED DEFLECTION	3/4"	0.0"	ALUMINUM	MILL	Lay-In Full Face	
SD-1	PRICE	ASPD	CEILING DIFFUSER	PLAQUE FACE	24"x24"	360° UNIFORM	0"	0.0"	ALUMINUM	WHITE ENAMEL	Lay-In Full Face	1
SG-1	PRICE	600 SERIES	SUPPLY GRILLE	LOUVERED GRILLE	8"x8"		3/4"	0.0"	ALUMINUM	MILL	Surface Mount	
ACCEPTABLE MANUFACTURES	SCHEDULE IS BASED ON PRICE. EQUALS BY KRUEGER, TUTTLE AND BAILEY, TITUS, AND NAILOR ARE ACCEPTABLE SUBSTITUTIONS.											
NOTES	1) PROVIDE WITH FULL FLOW DUCT MOUNTED STEEL DAMPER MODEL VOR8. 2) PROVIDE MODEL VOR7 NECK DAMPER ON GRILLES IN RESTROOMS SERVING EXHAUST FAN.											

EXHAUST FAN SCHEDULE

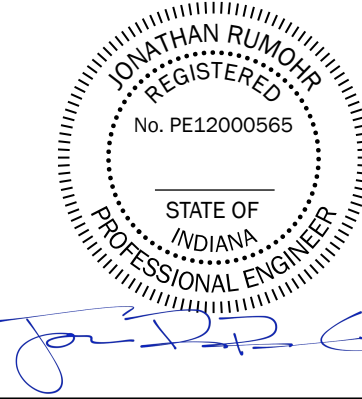
EXHAUST FAN SCHEDULE																
MARK	INSTALLED LOCATION	MANUFACTURER	MODEL	FAN DESIGN				DRIVE TYPE	MOTOR			ELECTRICAL		WEIGHT	SONES	NOTES
				CAPACITY	ESP	BHP	RPM		HP	RPM	FLA	VOLTAGE	PHASE			
EF-1	ROOF	CAPTIVEAIRE	US81890D-RM	1, 805 CFM	1.50 in-wg	0.75 hp	1113	DIRECT	2.0 hp	1113	7.5 A	208V	3	478 lb	14.7	9, 10
EF-2	ROOF	GREENHECK	G-0950-DGE1TXQD	1,059 CFM	0.00 in-wg	0.12 hp	1550	DIRECT	0.1 hp	1550	3.4 A	115 V	1	0 lb	0	1,2,3,4,5,6,7,8
EF-3	ROOF	GREENHECK	G-095-DGE1TXQD	1,059 CFM	0.00 in-wg	0.12 hp	1550	DIRECT	0.1 hp	1550	3.4 A	115 V	1	0 lb	0	1,2,3,4,5,6,7,8
EF-4	CABINET	GREENHECK	CSP-A390-VG	60 CFM	0.00 in-wg	0.00 hp	870	DIRECT	0.0 hp	1750	0.5 A	208 V	1	0 lb	0	
ACCEPTABLE MANUFACTURES	SCHEDULE IS BASED ON <u>GREENHECK</u> . EQUALS BY ACME, AND LOREN COOK ARE ACCEPTABLE SUBSTITUTIONS.															
NOTES	1) PROVIDE FACTORY INSTALLED, PRE-WIRED, NON-FUSED DISCONNECT. 2) INTEGRAL THERMAL OVERLOAD WITH AUTOMATIC RESET. 3) PROVIDE BIRDSCREEN. 4) BACKDRAFT DAMPER IN DUCT BY MECHANICAL CONTRACTOR. 5) STARTER BY ELECTRICAL CONTRACTOR. INTERLOCK WITH LIGHTS BY ELECTRICAL CONTRACTOR.								6) PROVIDE 12" HIGH CURB. 7) PROVIDE FACTORY INSTALLED AND WIRED SPEED CONTROLLER. 8) PROVIDE WITH DIRECT DRIVE. 9) PROVIDE 20" HIGH INSULATED CURB. 10) PROVIDE WITH GREASE CUP FAN ACCESSORY.							



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CERTIFICATION:



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KEY PLAN

Public Library
ST. JOE COUNTY

**SJCPL -
WESTERN
BRANCH**

RENOVATION AND
ADDITION

4163 W. WESTERN AVE.,
SOUTH BEND, IN 46619

REVISIONS: DATE:
1 ADDENDUM 1 09/10/2025

SET DESCRIPTION:
FOR CONSTRUCTION
DRAWING CONTENTS:
TEMPERATURE
CONTROLS

ISSUE DATE: PROJECT NO.:
08/27/2025 Project Number
DRAWING NO.:

M801

DIRECT DIGITAL CONTROLS - GENERAL REQUIREMENTS

- DMS CONTRACTOR TO SUBMIT DETAILED STEP BY STEP CONTROL SEQUENCES AND NOT JUST COPY THESE SEQUENCES INTO THE SUBMITTALS.
- ALL INITIAL ADJUSTABLE RANGES AND SETPOINT VALUES SHALL BE INDICATED. GRAPHIC CONTROL LOGIC FLOW CHARTS FOR EACH CONTROL SYSTEM SHALL BE INCLUDED TO SUPPORT SEQUENCES.
- ALL SETPOINTS AND PARAMETERS SHALL BE ADJUSTED OR MODIFIED AS REQUIRED DURING SUBMITTAL REVIEW, SETUP AND COMMISSIONING AT NO EXTRA COST.
- THE DIRECT DIGITAL CONTROLS (DDC) SHALL BE PROGRAMMED TO THE SEQUENCE OF OPERATION AS DESCRIBED WITHIN THE CONTRACT DOCUMENTS. PROVIDE AND INSTALL ALL NECESSARY COMPONENTS AND ACCESSORIES FOR A COMPLETE AND OPERATIONAL SYSTEM INCLUDING, BUT NOT LIMITED TO SENSORS, RELAYS, GATEWAYS, COMMUNICATION WIRING AND CONDUIT, AND ALL NECESSARY ELECTRICAL DEVICES, WIRING, AND CONDUIT.
- ALL SETPOINTS, DEAD BANDS, AND TIME DELAY INTERVALS DESCRIBED IN SEQUENCE SHALL BE ADJUSTABLE BY SYSTEM OPERATORS. APPROPRIATE DEAD BANDS AND TIME DELAYS SHALL BE USED TO PREVENT SHORT CYCLING SITUATIONS.
- ALL VARIABLE FREQUENCY CONTROLLERS AND STARTER HAND-OFF-AUTO SWITCHES NORMALLY REMAIN IN THE AUTO POSITION AND THE HAND AND OFF POSITIONS ARE USED FOR MAINTENANCE SITUATIONS.
- BUILDING MANAGEMENT SYSTEM WILL MONITOR, AND CONTROL, SYSTEMS AS NOTED BELOW UNLESS OTHERWISE NOTED.
- PROVIDE FINAL CALIBRATION K-FACTORS FOR ALL DEVICES INCLUDING, BUT NOT LIMITED TO TERMINAL AIR UNITS, AIRFLOW STATIONS, FAN OFFSETS.
- PROVIDE NON-INTEGRAL CONTROL VOLTAGE TRANSFORMER FOR LOW VOLTAGE WIRING. TERMINAL UNITS SHALL BE GROUPED INTO A MAXIMUM OF FOUR (4) TERMINAL UNITS PER TRANSFORMER. TRANSFORMER SHALL BE SIZED PER TERMINAL UNIT REQUIREMENTS.
- REFER TO ELECTRICAL GENERAL NOTES AND COORDINATE WITH ELECTRICAL CONTRACTOR.
- DDC IS THE SAME AS BMS WHEN IT COMES TO PROVIDING GRAPHIC INTERFACE.
- SEQUENCES OUTLINED (UNLESS OTHERWISE SPECIFIED) SHALL BE PERFORMED BY DIRECT DIGITAL CONTROL FIELD PANELS (DDCPFS) OR LOCALLY MOUNTED DIRECT DIGITAL UNIT CONTROLLERS.
- UNLESS OTHERWISE SPECIFIED, ALL SETPOINTS AND TIME DELAYS SHALL BE ADJUSTABLE BY THE OPERATOR THROUGH THE BAS AND THROUGH MENU ACCESS AT ALL DDCPFS WITHOUT ANY HARDWARE OR SOFTWARE REVISIONS.
- ABILITY TO REVIEW ALL MEASURED DATA, CONTROL SETPOINTS AND FUNCTIONS SHALL BE PROVIDED AT BAS WORKSTATION AND DDCPFS.
- PROVIDE MENU DRIVEN CAPABILITY TO OVERRIDE AUTOMATED START/STOP OR OPERATING MODES FOR EACH PIECE OF EQUIPMENT (INCLUDING PUMPS, RTUS, VUVS, ETC.). IF A SEQUENCE IS DISABLED BY MANUAL INPUT AND THE BAS ATTEMPTS AN AUTOMATED CHANGE IN OPERATING MODE, AN ALARM SHALL BE INITIATED AT THE BAS STATING THAT THE SYSTEM WAS UNABLE TO CHANGE THE MODE DUE TO USER INPUT. WHERE APPLICABLE A MANUAL INPUT COMMAND WILL THEN BE REQUIRED FROM THE USER INSTRUCTING THE BAS TO START THE NEXT SEQUENTIAL PIECE OF EQUIPMENT.
- THE DESIGN INTENT IS FOR THE BAS TO MONITOR PRESSURES, TEMPERATURES AND FLOWS AND TO CONTROL VALVES, VARIABLE FREQUENCY DRIVES (VFDs), AHUS, PUMPS, ETC.. MONITORED DATA WILL BE USED TO ENERGIZE OR DE-ENERGIZE EQUIPMENT IN ACCORDANCE WITH THE SEQUENCES OUTLINED.
- ALL EQUIPMENT CONTROLLED BY THE BAS SHALL BE CAPABLE OF MANUAL OPERATION THROUGH HAND-OFF-AUTOMATIC (HID) SWITCHES LOCATED IN THE MOTOR STARTERS. THE POSITIONING OF ALL VALVES CONTROLLED BY THE BAS SHALL BE CAPABLE OF MANUAL POSITIONING (OPEN, CLOSED, MODULATED, AUTO) VIA LABELED POTENTIOMETERS AND SWITCHES. SAFETY DEVICES SHALL FUNCTION AND SHUT DOWN THE ASSOCIATED EQUIPMENT WHEN THE MANUAL SWITCHES ARE IN BOTH THE HAND AND AUTO POSITIONS.
- COORDINATE ALL SENSOR INSTALLATION LOCATIONS AND SUBMIT PROPOSED POSITIONS ON APPLICABLE PIPING AND DUCTWORK COORDINATION SUBMITTALS. COORDINATE AND ENSURE MANUFACTURER'S RECOMMENDED UPSTREAM AND DOWNSTREAM PIPE OR DUCT DIAMETERS ARE PROVIDED. SPECIAL ATTENTION IS REQUIRED FOR FLOW ELEMENTS AND TRANSMITTERS. IN THE FOLLOWING SEQUENCES, THE SYMBOL FE REFERS TO FLOW ELEMENTS OF THE PITOT TUBE TYPE. THE SYMBOL FT, WHEN ATTACHED TO AN FE, REFERS TO A FLOW TRANSMITTER. THE SYMBOL FT ALONE, REFERS TO A COMBINATION FLOW ELEMENT AND TRANSMITTER.
- PROVIDE COMMUNICATIONS INTERFACE (INCLUDING NECESSARY SOFTWARE) BETWEEN THE BAS AND EACH MANUFACTURER SUPPLIED CONTROL PANEL. SPECIFIED BAS SHALL BE CAPABLE OF READING AND DISPLAYING ALL DATA USED BY THE MANUFACTURER'S CONTROL PANEL. SOFTWARE INTERFACE SHALL BE THROUGH LONMARK/BACNET COMPLIANT PROTOCOL WHERE THE BAS IS REQUIRED TO CONTROL THE OPERATION OF THE EQUIPMENT, PROVIDE COMPLETE INPUT AND OUTPUT INTERFACE.
- FAIL SAFE POSITIONS INDICATED ARE POSITIONS THAT DEVICES WILL GO TO WHEN THE ASSOCIATED EQUIPMENT IS DE-ENERGIZED.
- PROVIDE ADEQUATE DAMPING OF ALL MODULATING CONTROL LOOPS TO PREVENT HUNTING. MAXIMUM RESPONSE TIME SHALL BE 30 SECONDS. ALL CONTROL PID LOOPS SHALL BE TUNED TO PROVIDE FOR STABLE OPERATION OF THE CONTROL DEVICE. THIS PID LOOP TUNING MAY BE REQUIRED TO BE PERFORMED MULTIPLE TIMES DURING MULTIPLE CONTROL SCENARIOS.
- WHENEVER A UNIT IS SHUT DOWN BECAUSE OF ONE OF ITS SAFETIES, THE BAS SHALL RETAIN IN MEMORY THE READING AND SETPOINT OF EACH ASSOCIATED DEVICE TO HELP THE OPERATOR IN ISOLATING THE CAUSE OF THE SHUT DOWN. BAS SHALL INCLUDE AN ON SCREEN MANUAL RESTART BUTTON FOR EACH SYSTEM AND PIECE OF EQUIPMENT TO ALLOW REMOTE RESTART AT HEAD END COMPUTER.
- WHENEVER AN ALARM IS INITIATED, THE BAS SHALL RETAIN IN MEMORY THE READING AND SETPOINT OF EACH ASSOCIATED DEVICE TO HELP THE OPERATOR IN ISOLATING THE CAUSE OF THE FAULT.
- IF ANY DDCFP OR EQUIPMENT MANUFACTURER'S CONTROL PANEL LOSTS COMMUNICATION WITH THE BAS NETWORK, AN ALARM SHALL BE INITIATED AT THE BAS INDICATING THE LOCATION OF THE FAULT.
- THE FOLLOWING DEFINITIONS APPLY TO THE SEQUENCES OF OPERATION:
 - BAS PERSONAL COMPUTER BASED WORKSTATION
 - DDCFP: DIRECT DIGITAL CONTROL FIELD PANEL. DDCPFS ARE APPLICATION BASED LOCAL SYSTEM CONTROLLERS WITH INPUTS FROM MONITORED DEVICES, OUTPUTS TO CONTROLLED DEVICES, CONTROLLING LOGIC SOFTWARE, AND NETWORKING CAPABILITY FOR COMMUNICATION WITH THE BAS.
 - END DEVICE: MONITORED SENSORS AND CONTROLLED OPERATORS FOR SPECIFIC EQUIPMENT ITEMS. END DEVICES WILL PROVIDE A VARIETY OF ANALOG OR BINARY INPUT SOURCES TO THE DDCPFS AS WELL AS RECEIVE OUTPUTS FROM LOCAL CONTROLLERS OR DDCPFS.
- WHENEVER A PIECE OF EQUIPMENT IS TAKEN OFFLINE FOR MAINTENANCE, ALARMS RELATED TO THIS PIECE OF EQUIPMENT SHALL BE INHIBITED.
- WHERE CURRENT TRANSMITTERS ARE USED TO DETERMINE FAN OR EQUIPMENT STATUS, A BELT OFF TEST SHALL BE PERFORMED TO DETERMINE CURRENT LOW POINT TO VERIFY STATUS.

UNLESS NOTED OTHERWISE THE FOLLOWING SHALL BE INITIAL SPACE TEMPERATURE SETPOINTS (ADJUSTABLE):

(OFFICE, CONFERENCE AND CONDITIONED SUPPORT) INTERIOR CONDITIONS

- SUMMER INTERIOR TEMPERATURE: 75°F OCCUPIED/80°F MAX UNOCCUPIED
- SUMMER MAXIMUM DEWPOINT: 57.8°F (55% RH)
- WINTER INTERIOR TEMPERATURE: 70°F OCCUPIED/55°F MIN UNOCCUPIED
- WINTER MINIMUM RELATIVE HUMIDITY: NONE

OCCUPANCY SCHEDULES

- OCCUPANCY SCHEDULING SHALL BE CAPABLE OF SCHEDULING BY AREA, ZONE, GROUPS OF ZONES, INDIVIDUALLY CONTROLLED EQUIPMENT AND GROUPS OF INDIVIDUALLY CONTROLLED EQUIPMENT.
- EACH SCHEDULE SHALL PROVIDE BEGINNING AND ENDING DATES AND TIMES (HOURS/MINUTES).
- A WEEKLY REPEATING SCHEDULE (E.G. BETWEEN 8:00 A.M. AND 6:00 P.M., MONDAY THROUGH FRIDAY) SHALL CONSTITUTE ONE SCHEDULE, NOT FIVE.
- DATED SCHEDULES MAY BE ENTERED IN ONE-YEAR ADVANCE.
- DATED SCHEDULES SHALL BE SELF-DELETING WHEN EFFECTIVE DATES HAVE PASSED.
- WHEN A TEMPERATURE OF A ROOM, AREA OR ZONE, SCHEDULED OFF OR UNOCCUPIED, FALLS BELOW 55 F (ADJ.), THE SCHEDULE SHALL BE OVERRIDDEN AUTOMATICALLY AND THE ZONE SHALL BE OVERRIDDEN TO PROVIDE MINIMUM 55 F SPACE TEMPERATURE AND AN ALARM SHALL BE INITIATED THROUGH THE BAS.
- WHEN A TEMPERATURE OF A ROOM, AREA OR ZONE, AS DESCRIBED ABOVE REACHES 55 F (ADJ.) PLUS A DEADBAND (ADJ.), THE NORMAL SCHEDULE IS RESUMED.
- LEAP YEARS SHALL BE ADJUSTED AUTOMATICALLY WITHOUT OPERATOR INTERVENTION.
- SCHEDULES:
 - SPACES INITIAL SCHEDULES (ADJUSTABLE) OCCUPIED.....8:00 AM TO 8:00 PM MON. THRU THUR, 9:00 AM TO 5:00 PM FRI.
 - UNOCCUPIED.....ALL OTHER TIME PERIODS
- REFER TO INDIVIDUAL SEQUENCES FOR ADDITIONAL VARIABLES
- CONTROL SYSTEM NOTES
- UNLESS OTHERWISE NOTED, ALL CONTROLS SHALL BE DIRECT DIGITAL TYPE (DDC).
- ALL SETPOINTS INDICATED IN THE SEQUENCES SHALL BE ADJUSTABLE VIA A LAPTOP COMPUTER OR ELECTRONIC SERVICE TOOL CONNECTED TO ANY DDCFP.
- EACH SEQUENCE WITH A DEFINED OCCUPIED PERIOD SHALL HAVE THE PERIOD ADJUSTABLE GLOBALLY (SO THAT ALL CAN BE ON THE SAME TIME FRAME) AND INDIVIDUALLY (SO THAT ANY ONE OPERATION CAN HAVE A DIFFERENT OCCUPIED PERIOD).
- SOFTWARE COMMUNICATION SHALL BE REQUIRED BETWEEN THE BAS AND EQUIPMENT MANUFACTURERS PACKAGED CONTROL SYSTEMS.
- ALL DDC FIELD PANELS (DDCPFS) SHALL BE CAPABLE OF INDEPENDENT OPERATION REGARDLESS OF THE STATUS OF THE BUILDING AUTOMATION SYSTEM (BAS).
- REFER TO SPECIFIC NOTES ON VARIABLE FREQUENCY DRIVES (VFD).
- ALL COMMON INFORMATION (OUTSIDE AIR TEMP & HUMIDITY, ETC.) SHALL BE MEASURED AND COMMUNICATED IN AT LEAST (3) LOCATIONS.
- ALL SEQUENCES SHALL BE PERFORMED BY THE DDCFP AND MONITORED BY THE CENTRAL BAS.
- ALL WALL MOUNTED TEMPERATURE OR HUMIDITY TRANSMITTERS SHALL HAVE ALL PENETRATIONS SEALED.
- ALL INSTALLED CONTROL DEVICES SHALL BE INSTALLED IN SUCH A WAY TO BE ACCESSIBLE FOR MAINTENANCE AND REPAIR

09/10/2025

SEQUENCE OF OPERATIONS

DOMESTIC HOT WATER RECIRCULATION PUMPS

OPERATION BASED ON THE FOLLOWING:

- SYSTEM IS A COMBINATION OF CONSTANT VOLUME INLINE PUMP(S), PIPE MOUNTED LINE VOLTAGE THERMOSTAT(S) (AQUA-STAT), TEMPERING VALVES, AND TEMPERATURE SENSOR(S).
 - LINE VOLTAGE AQUA-STAT SHALL CONTROL SYSTEM OPERATION BASED ON THE FOLLOWING:
 - AQUA-STAT ENERGIZES (ENABLE) PUMP WHEN PIPE TEMPERATURE FALLS BELOW 100°F (ADJ.)
 - AQUA-STAT DE-ENERGIZES (DISABLE) PUMP WHEN PIPE TEMPERATURE RISES ABOVE 120°F (ADJ.)
 - PROVIDE DIRECT DIGITAL CONTROLS (DDC) FOR SYSTEM BASED ON THE FOLLOWING:
 - MONITORING OF BUILDING PUMP "STATUS" (ON/OFF).
 - WHEN ENABLED AND STATUS IS SENSED BY THE CURRENT SENSOR, A TOTALIZED OF RUN HOURS FOR UNIT WILL BE ACTIVE.
 - MONITORING AND ALARMING OF SUPPLY WATER TEMPERATURE.
 - ALARM WHEN TEMPERATURE EXCEEDS HIGH TEMPERATURE OF 125°F (ADJ.) AND LOW TEMPERATURE OF 110°F (ADJ.).

CABINET EXHAUST FAN

OPERATION BASED ON THE FOLLOWING:

- SYSTEM IS A COMBINATION OF A CONSTANT VOLUME FAN WITH ASSOCIATED BACKDRAFT DAMPER (BDD), SYSTEM OPERATION BASED ON THE FOLLOWING:
 - FAN SHALL OPERATE WHENEVER TEMPERATURE WITHIN A/V CABINET EXCEEDS 90° F

DOWNBLAST EXHAUST FANS

OPERATION BASED ON THE FOLLOWING:

- PROVIDE DIRECT DIGITAL CONTROLS (DDC) FOR SYSTEM OPERATION. SYSTEM IS A COMBINATION OF CONSTANT VOLUME EXHAUST FAN, ISOLATION (EXHAUST) AIR DAMPERS(S) AND ACTUATOR(S).
 - OPERATION SHALL BE BASED ON TIME OF DAY (TOD) SCHEDULE.
 - ENABLED BASED ON BUILDING OCCUPANCY SCHEDULE.

UNIT HEATERS

OPERATION BASED ON THE FOLLOWING:

- UNIT HEATERS ARE STAND-ALONE CONTROL. UNIT HEATER IS A COMBINATION OF A FAN, ELECTRIC HEATING COIL, AND MANUFACTURER'S AIR TEMPERATURE SENSOR. THERE IS NOT DDC INTEGRATION WITH THESE UNITS.

MINI-SPLITS - IT CLOSET

OPERATION BASED ON THE FOLLOWING:

- MANUFACTURER PACKAGED CONTROLLER(S) SHALL CONTROL SPLIT SYSTEM AIR CONDITIONER OPERATION BASED ON THE FOLLOWING:
 - AUTOMATIC TEMPERATURE CONTROL: MANUFACTURER PROVIDED CONTROLLERS(S), THERMOSTAT(S), INDOOR FAN, EVAPORATOR AND OUTDOOR CONDENSER SHALL MAINTAIN SYSTEM TEMPERATURE COOLING SETPOINT BASED ON AN ADJUSTABLE SETPOINT OF 78°F (ADJ.)
- PROVIDE DIRECT DIGITAL CONTROLS (DDC) FOR MONITORING OF IT ROOM.
- MONITOR, ALARM AND ADJUST INCLUDING BUT NOT LIMITED TO THE FOLLOWING:
 - SPACE TEMPERATURE.
 - ALARM UPON SPACE TEMPERATURE EXCEEDING 90° F.

LIGHTING CONTROL

OPERATION BASED ON THE FOLLOWING:

- INTEGRATE LIGHTING CONTROL FOR THE FOLLOWING:
 - EXTERIOR BUILDING LIGHTING
 - PARKING LOT LIGHTING
- SCHEDULE BASED ON THE FOLLOWING:
 - TIME OF DAY (TOD) SCHEDULE.
 - TO BE DETERMINED BY OWNER (CONSULT WITH OWNER).
 - MANUAL OVERRIDE
 - LIGHTING MANUFACTURER'S PHOTOCELL

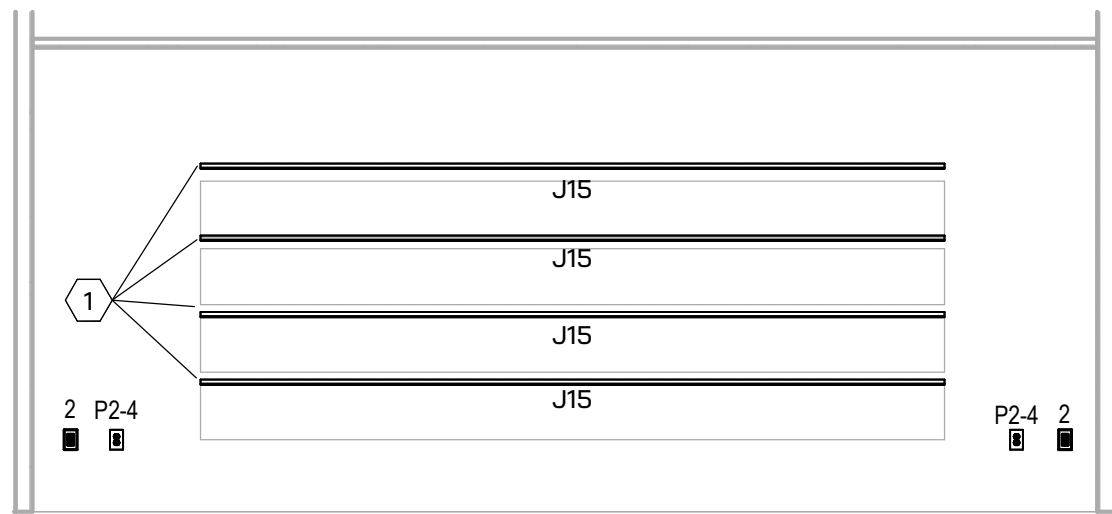
MAKE-UP AIR UNIT, EXHAUST FAN, AND HOOD CONTROL

OPERATION BASED ON THE FOLLOWING:

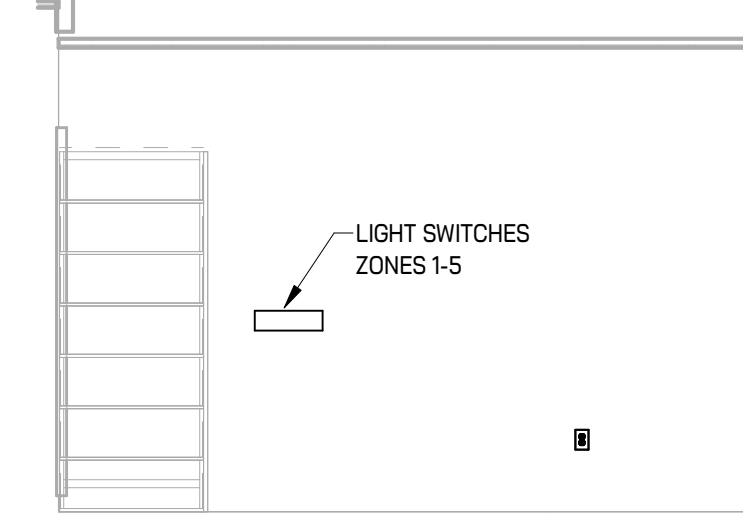
- INTEGRATE MANUFACTURER'S PROVIDED CONTROL SYSTEM FOR MAKE-UP AIR UNIT, KITCHEN EXHAUST FAN, AND HOOD.
 - INTEGRATION SHALL BE BY BACNET M/PT.
- BUILDING AUTOMATION SYSTEM SHALL BE ABLE TO CONTROL AND VIEW THE FOLLOWING:
 - SYSTEM REMOTE ENABLE / DISABLE
 - SPACE TEMPERATURE
 - SYSTEM STATUS
- MANUFACTURER'S PACKAGED CONTROLS SHALL OPERATE WITH THE FOLLOWING SEQUENCES:
 - AUTOMATIC:** THE SYSTEM OPERATES BASED ON THE DIFFERENTIAL BETWEEN ROOM TEMPERATURE AND THE TEMPERATURE AT THE HOOD CAVITY OR EXHAUST DUCT COLLAR. FANS ACTIVATE AT A CONFIGURABLE TEMPERATURE DIFFERENTIAL THRESHOLD, DEPENDING ON THE JOB CONFIGURATION EACH FAN ZONE CAN BE CONFIGURED AS STATIC OR DYNAMIC. THESE TERMS REFER TO WHETHER A VARIABLE MOTOR (SUCH AS EC MOTORS OR VFD DRIVEN MOTORS) MODULATE WITH TEMPERATURE. IF THE PANEL IS EQUIPPED WITH VARIABLE SPEED FANS AND THE ZONE IS DEFINED AS "DYNAMIC," THESE WILL MODULATE WITHIN A USER DEFINED RANGE BASED ON THE TEMPERATURE DIFFERENTIAL. PANELS EQUIPPED WITH VARIABLE SPEED FANS AND A FAN ZONE DEFINED AS "STATIC," FANS WILL RUN AT A SET SPEED CALCULATED FOR THE DRIVE. DEMAND CONTROL VENTILATION SYSTEMS ARE CAPABLE OF MODULATING EXHAUST AND MAKE UP AIR FAN SPEEDS PER THE REQUIREMENTS OUTLINED IN EICC 403.7.5 (2021). THE SYSTEM OPERATES BASED ON HUMAN INPUT FROM AN HMI. THE HMI PANEL SHALL BE LOCATED IN THE KITCHEN NEXT TO THE ENTRY DOOR.
 - MANUAL:** A WEEKLY SCHEDULE CAN BE SET TO RUN FANS FOR A SPECIFIED PERIOD THROUGHOUT THE DAY. THERE ARE THREE OCCUPIED TIMES PER DAY TO ALLOW FOR THE USER TO SET UP A TIME THAT IS SUITABLE TO THEIR NEEDS. ANY TIME THAT IS WITHIN THE DEFINED OCCUPIED TIME, THE SYSTEM WILL RUN AT MODULATION MODE AND FOLLOW THE FAN PROCEDURE ALGORITHM BASED ON TEMPERATURE DURING THIS TIME. DURING UNOCCUPIED TIME, THE SYSTEM WILL HAVE AN EXTRA OFFSET TO PREVENT UNINTENDED ACTIVATION OF THE SYSTEM DURING A TIME WHERE THE SYSTEM IS NOT BEING OCCUPIED.
 - SCHEDULE:** THE SYSTEM OPERATES BASED ON THE INPUT FROM BMS OR HARDWIRED INTERLOCK.
 - OTHER:** UPON ACTIVATION OF THE HOOD FIRE SUPPRESSION SYSTEM, THE EXHAUST FAN WILL COME ON OR CONTINUE TO TO RUN. THE HOOD MAKEUP AIR WILL SHUTDOWN, AND A SIGNAL WILL BE SENT FOR ACTIVATING THE SHUNT TRIP BREAKER PROVIDED BY THE ELECTRICIAN. FUEL GAS WILL SHUT OFF VIA A MECHANICAL/ELECTRICAL GAS VALVE ACTUATED BY THE HOOD FIRE SUPPRESSION SYSTEM.
- SYSTEM CONSISTS OF BOTH LOW VOLTAGE AND LINE VOLTAGE CONTROLS. LINE VOLTAGE CONTROLS SHALL BE INSTALLED BY THE ELECTRICIAN.

Panelboard: P1															
LOCATION: ELEC / MECH 120															
FED FROM: MDP															
VOLTS: 208Y/120,30,4W															
RATING: 225.0 A															
A.I.C. RATING: 22,000															
MOUNTING: SURFACE															
Ckt	Description	Trip (A)	Poles	ARC FAULT	GFC I	A	B	C	GFC I	ARC FAULT	Poles	Trip (A)	Description	Ckt	
1	RECEPTACLE STORAGE 121	20	1			720	900					1	RECEPTACLE RECEIVING 119	2	
2	RECEPTABLE ROOM 123, 124	20	1				1080	900				1	RECEPTACLE ADULT COLLECTION 122	4	
3	RECEPTACLE ROOM 129	20	1					1460	1440			1	RECEPTACLE Room 129	6	
4	WH-1-ELEC / MECH 120	20	1			500	180					1	RECEPTACLE KITCHEN 118	8	
5	ENTRANCE SIGN	20	1				500	180				1	RECEPTACLE KITCHEN 118	10	
6	RECEPTACLE KITCHEN 118	20	1					180	1440			1	RECEPTACLE EXTERIOR	12	
7	RECEPTACLE KITCHEN 118	20	1			180	180					1	RECEPTACLE KITCHEN 118	14	
8	RECEPTACLE LARGE MEETING ROOM-1..	20	1					180	180			1	RECEPTACLE KITCHEN 118	16	
9	RECEPTACLE LARGE MEETING ROOM-1..	20	1						180	360		1	RECEPTACLE KITCHEN 118	18	
10	RECEPTACLE LARGE MEETING ROOM-1..	20	1			500	500					1	FLOORBOX LARGE MEETING ROOM-117-1	20	
11	FLOORBOX LARGE MEETING ROOM-117-1	20	1					500	500			1	FLOORBOX LARGE MEETING ROOM-117-1	22	
12	FLOORBOX LARGE MEETING ROOM-117-1	20	1						500	500		1	FLOORBOX LARGE MEETING ROOM-117-1	24	
13	FLOORBOX ADULT COLLECTION 122	20	1			500	500					1	FLOOR ADULT COLLECTION 122	26	
14	RECEPTACLE ADULT COLLECTION 122	20	1				720	720				1	RECEPTACLE STUDY ROOM 124	28	
15	RECEPTACLE ELEC / MECH 120	20	1					900	360			1	RECEPTACLE H.K. 127	30	
16	RECEPTACLE KITCHEN 118	20	1			180	312					1	EF-2	32	
17	EF-1	20	3					900	500			1	KH-1 KITCHEN 119	34	
18	INTERIOR LIGHTING	20	1					900	2187			1	INTERIOR LIGHTING	36	
19	EUH-1 RECEIVING 123	20	2									2	EUH-1 RECEIVING 123	38	
20	EUH-3 ELEC / MECH 120	20	1			2833	250					2	EUH-3 ELEC / MECH 120	40	
21	LIGHTING - EXTERIOR	20	1					436	250			2	EUH-3 ELEC / MECH 120	42	
22	DRIVER H.K. 127	30	3			2833	250					1	PARKING LOT LIGHTING	44	
23	RECEPTACLE KITCHEN 118	20	1			2833	1728					1	RECEPTACLE KITCHEN 118	46	
24	WALL MOTOR LARGE MEETING ROOM-1..	20	1			680	680					1	PROJECTOR SCREEN LARGE MEETING..	48	
25	RECEPTACLE LARGE MEETING ROOM-1..	20	1			540	360					1	RECEPTACLE LARGE MEETING ROOM-1..	50	
26	RECEPTACLE KITCHEN 118	20	1					180	500			1	HOOD SUPPRESSION KITCHEN 119	52	
27	RECEPTACLE ENTRY COMMONS 101	20	1			180	500					1	WH-1-ELEC / MECH 120	54	
28	PROJECTOR SCREEN LARGE MEETING..	20	1				680	0		0	--	1	SPARE	56	
29	RECEPTACLE KITCHEN 118	20	1					180	0		0	--	1	SPARE	58
30	RECEPTACLE KITCHEN 118	20	1							0	0	--	1	SPARE	60
31	RECEPTACLE KITCHEN 118	20	1			180	0				0	--	1	SPARE	62
32	FACP	20	1				360	0			0	--	1	SPARE	64
33	SPARE	20	1	--	--					0	0	--	1	SPARE	66
34	SPARE	20	1	--	--	0	0				0	--	1	SPARE	68
35	SPARE	20	1	--	--		0	2833				--	1	SPARE	70
36	SPARE	20	1	--	--			0	2833			--	1	SPARE	72
37	SPARE	20	1	--	--			0	2833			--	1	SPARE	74
38	COMBO OVEN KITCHEN 119	30	50									3	50	OVEN KITCHEN 119	76
39	SHUNT TRIP	20	1	--	--							--	1	SHUNT TRIP	78
40	SHUNT TRIP	20	1	--	--							--	1	SHUNT TRIP	80
41	SHUNT TRIP	20	1	--	--							--	1	SHUNT TRIP	82
42	SHUNT TRIP	20	1	--	--							--	1	SHUNT TRIP	84
43	SHUNT TRIP	20	1	--	--							--	1	SHUNT TRIP	86
44	SHUNT TRIP	20	1	--	--							--	1	SHUNT TRIP	88
45	SHUNT TRIP	20	1	--	--							--	1	SHUNT TRIP	90
46	SHUNT TRIP	20	1	--	--							--	1	SHUNT TRIP	92
47	SHUNT TRIP	20	1	--	--							--	1	SHUNT TRIP	94
48	SHUNT TRIP	20	1	--	--							--	1	SHUNT TRIP	96
49	SHUNT TRIP	20	1	--	--							--	1	SHUNT TRIP	98
50	SHUNT TRIP	20	1	--	--							--	1	SHUNT TRIP	100
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54	SHUNT TRIP	20	1	--	--							--	1	SHUNT TRIP	108
55	SHUNT TRIP	20	1	--	--							--	1	SHUNT TRIP	110
56	SHUNT TRIP	20	1	--	--							--	1	SHUNT TRIP	112
57	SHUNT TRIP	20	1	--	--							--	1	SHUNT TRIP	114
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62	SHUNT TRIP	20	1	--	--							--	1	SHUNT TRIP	124
63	SHUNT TRIP	20	1	--	--							--	1	SHUNT TRIP	126
64	SHUNT TRIP	20	1	--	--							--	1	SHUNT TRIP	128
65	SHUNT TRIP	20	1	--	--							--	1	SHUNT TRIP	130
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68	SHUNT TRIP	20	1	--	--							--	1	SHUNT TRIP	136
69	SHUNT TRIP	20	1	--	--							--	1	SHUNT TRIP	138
70	SHUNT TRIP	20	1	--	--							--	1	SHUNT TRIP	140
71	SHUNT TRIP	20	1	--	--							--	1	SHUNT TRIP	142
72	SHUNT TRIP	20	1	--	--							--	1	SHUNT TRIP	144
73	SHUNT TRIP	20	1	--	--							--	1	SHUNT TRIP	146
74	SHUNT TRIP	20	1	--	--							--	1	SHUNT TRIP	148
75	SHUNT TRIP	20	1	--	--							--	1	SHUNT TRIP	150
76	SHUNT TRIP	20	1	--	--							--	1	SHUNT TRIP	152
77	SHUNT TRIP	20	1	--	--							--	1	SHUNT TRIP	154
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79	SHUNT TRIP	20	1	--	--							--	1	SHUNT TRIP	158
80	SHUNT TRIP	20	1	--	--							--	1	SHUNT TRIP	160
81	SHUNT TRIP	20	1	--	--							--	1	SHUNT TRIP	162
82	SHUNT TRIP	20	1	--	--							--	1	SHUNT TRIP	164
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88	SHUNT TRIP	20	1	--	--							--	1	SHUNT TRIP	176
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104	SHUNT TRIP	20	1	--	--							--	1	SHUNT TRIP	208
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122	SHUNT TRIP	20	1	--	--							--	1	SHUNT TRIP	244
123	SHUNT TRIP	20	1	--	--							--	1	SHUNT TRIP	246
124	SHUNT TRIP	20	1	--	--							--	1	SHUNT TRIP	248

LIGHT FIXTURE SCHEDULE									
TYPE	DESCRIPTION	MOUNTING	DRIVER	LOAD	MANUFACTURER	NOTES	Count		
A	2X2 RECESSED	GRID	0-10V	40 VA	LITHONIA: #CPX-2X2-5000LM-90CRI-30K-SWL-MINIO-ZT-MVOLT		119		
AE	2X2 RECESSED WITH BATTERY	GRID	0-10V	35 VA	LITHONIA: #CPX-2X2-5000LM-90CRI-30K-SWL-MINIO-ZT-MVOLT-E10W		25		
B	6" DOWNLIGHT	RECESSED	0-10V	28 VA	LITHONIA: #LDN6-30/25-LO6-WH-LD-TRW-MVOLT-G210-90CRI		15		
BE	6" DOWNLIGHT WITH BATTERY	RECESSED	0-10V	13 VA	LITHONIA: #LDN6-30/25-LO6-WH-LD-TRW-MVOLT-G210-90CRI-E10WCP		2		
C	3" SKYDOME	RECESSED	0-10V	105 VA	FOCAL POINT: #FSD-33-FLXP-1000L-930K-1C-UNV-LD1-U-WH-EM		2		
CE	3" SKYDOME WITH BATTERY	RECESSED	0-10V	153 VA	FOCAL POINT: #FSD-33-FLXP-1000L-930K-1C-UNV-LD1-U-WH-EM		2		
D	4" STRIP	CABLE	0-10V	32 VA	LITHONIA: #DLX-L48-5000LM-SEF-FDL-MVOLT-G21-30K-90CRI-WH-ZACVHM100		3		
DE	4" STRIP WITH BATTERY	CABLE	0-10V	46 VA	LITHONIA: #DLX-L48-5000LM-SEF-FDL-MVOLT-G21-30K-90CRI-WH-ZACVHM100-E10W		2		
E1	1" SKYDOME	CABLE	0-10V	21 VA	FOCAL POINT: #FSD-11-FLXP-1500L-930K-1C-UNV-LD1-U-WH-EM		21		
E4	4" DECORATIVE PENDANT	CABLE	0-10V	63 VA	LUMETTA: #P54814-WHITE-F11-L413LED-120V-3000K-CR190-LTCS-LBA5		1		
E6	6" DECORATIVE PENDANT	CABLE	0-10V	126 VA	LUMETTA: #P57217-WHITE-F11-L414LED-120V-3000K-CR190-LTCT-LBA7		5		
EE4	4" DECORATIVE PENDANT WITH BATTERY	CABLE	0-10V	63 VA	LUMETTA: #P54814-WHITE-F11-L413LED-120V-3000K-CR190-LTCS-LBA5-EMR		5		
EE6	6" DECORATIVE PENDANT WITH BATTERY	CABLE	0-10V	19 VA	LUMETTA: #P57217-WHITE-F11-L414LED-120V-3000K-CR190-LTCT-LBA7-EMR		2		
F	WALL PACK	SURFACE	NA	52 VA	LITHONIA: #WEDGES3LED-P2-30K-90CRI-R3-MVOLT-SPM-DNAXD		11		
FE	WALL PACK WITH BATTERY	SURFACE	NA	52 VA	LITHONIA: #WEDGES3LED-P2-30K-90CRI-R3-MVOLT-SPM-DNAXD-E20WC		5		
G26	LINEAR RECESSED ASYMMETRIC	SPARKLE FLANGE	0-10V	319 VA	FOCAL POINT: #FSM4AL-FL-87SLF-930K-1C-UNV-LD1-XFF-WH-26		1		
J8	DISPLAY LIGHT	RECESSED	0-10V	29 VA	KLUS: #A05552-HS22-B7011F-K-CR-1220-24		1		
J15	DISPLAY LIGHT	RECESSED	0-10V	29 VA	KLUS: #A05552-HS22-B7011F-K-CR-1220-24		4		
K	1" SKYDOME	RECESSED	0-10V	21 VA	FOCAL POINT: #FSD-11-FLXP-1500L-930K-1C-UNV-LD1-U-WH		21		
KE	1" SKYDOME WITH BATTERY	RECESSED	0-10V	21 VA	FOCAL POINT: #FSD-11-FLXP-1500L-930K-1C-UNV-LD1-U-WH-EM		4		
L6	EXTERIOR LINEAR	SURFACE	NA	47 VA	LUMENWERK: #VIAWETS-D-TMG-PMO-SW-90CRI-1000LMF-30K-4FT-120V-D1-1C-TF-GSM-CF#		5		
N	4" SKYDOME	RECESSED	0-10V	93 VA	FOCAL POINT: #FSD-44-FLXP-1400L-930K-1C-UNV-LD1-U-WH		2		
NE	4" SKYDOME WITH BATTERY	RECESSED	0-10V	93 VA	FOCAL POINT: #FSD-44-FLXP-1400L-930K-1C-UNV-LD1-U-WH-EM		1		
P	6" DOWNLIGHT	RECESSED	NA	28 VA	LITHONIA: #LDN6-30/25-LO6-AR-LD-MVOLT-G210-90CRI		4		
PE	6" DOWNLIGHT WITH BATTERY	RECESSED	NA	13 VA	LITHONIA: #LDN6-30/25-LO6-AR-LD-MVOLT-G210-90CRI-E10WCP		1		
SA	SITE LIGHT	30" POLE	NA	216 VA	LITHONIA: #DSXLED-P6-30K-90CRI-BLC4-MVOLT-RPA-HS-EGSR-DNAXD PROVIDE WITH 20" ROUND TAPERED ALUMINUM POLE TO MATCH FIXTURE FINISH		9		
SB	SITE BOLLARD	GROUND	NA	20 VA	LITHONIA: #DSXLED-REC-350-30K-SYM-MVOLT-PE-DBLXD		11		
X1	EXIT SIGN	SURFACE	NA	5 VA	LITHONIA: #LGC-W-1-R-ELN		6		
X1	EXIT SIGN	SURFACE	NA	5 VA	LITHONIA: #LGC-W-1-R-ELN		1		



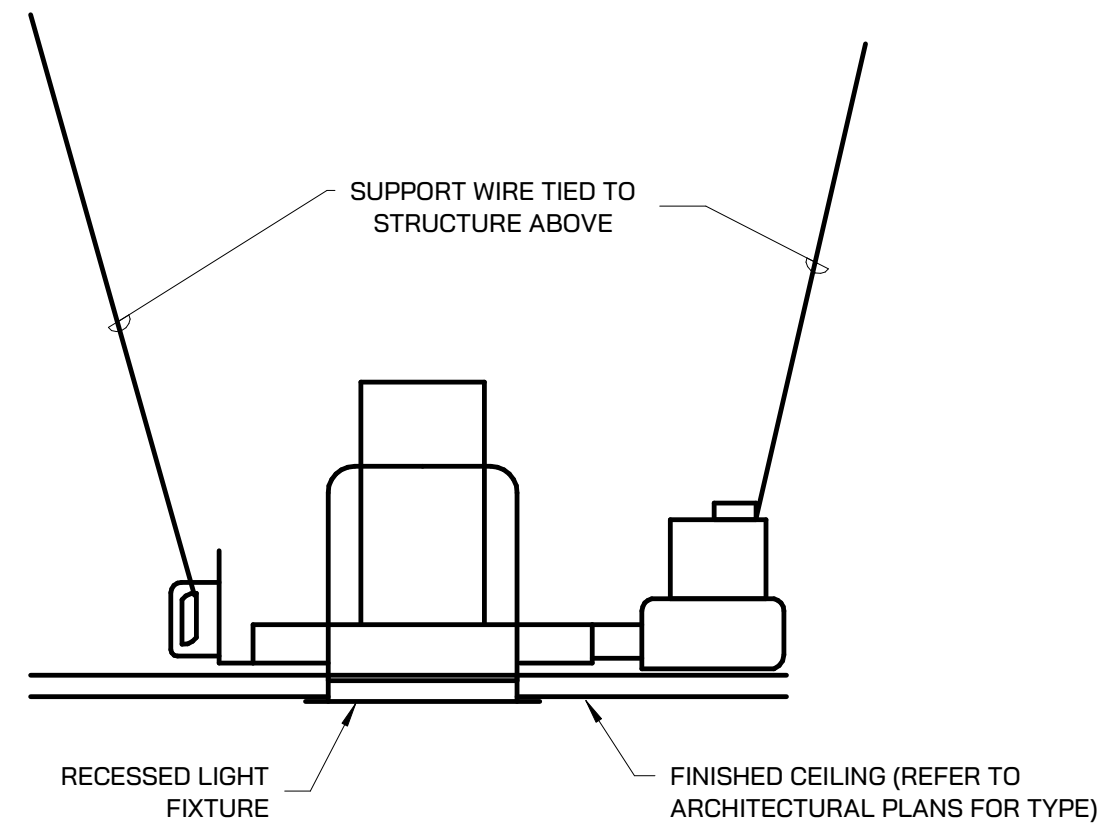
2 CIRCULATION DESK WEST ELEVATION
1/4" = 1'-0"



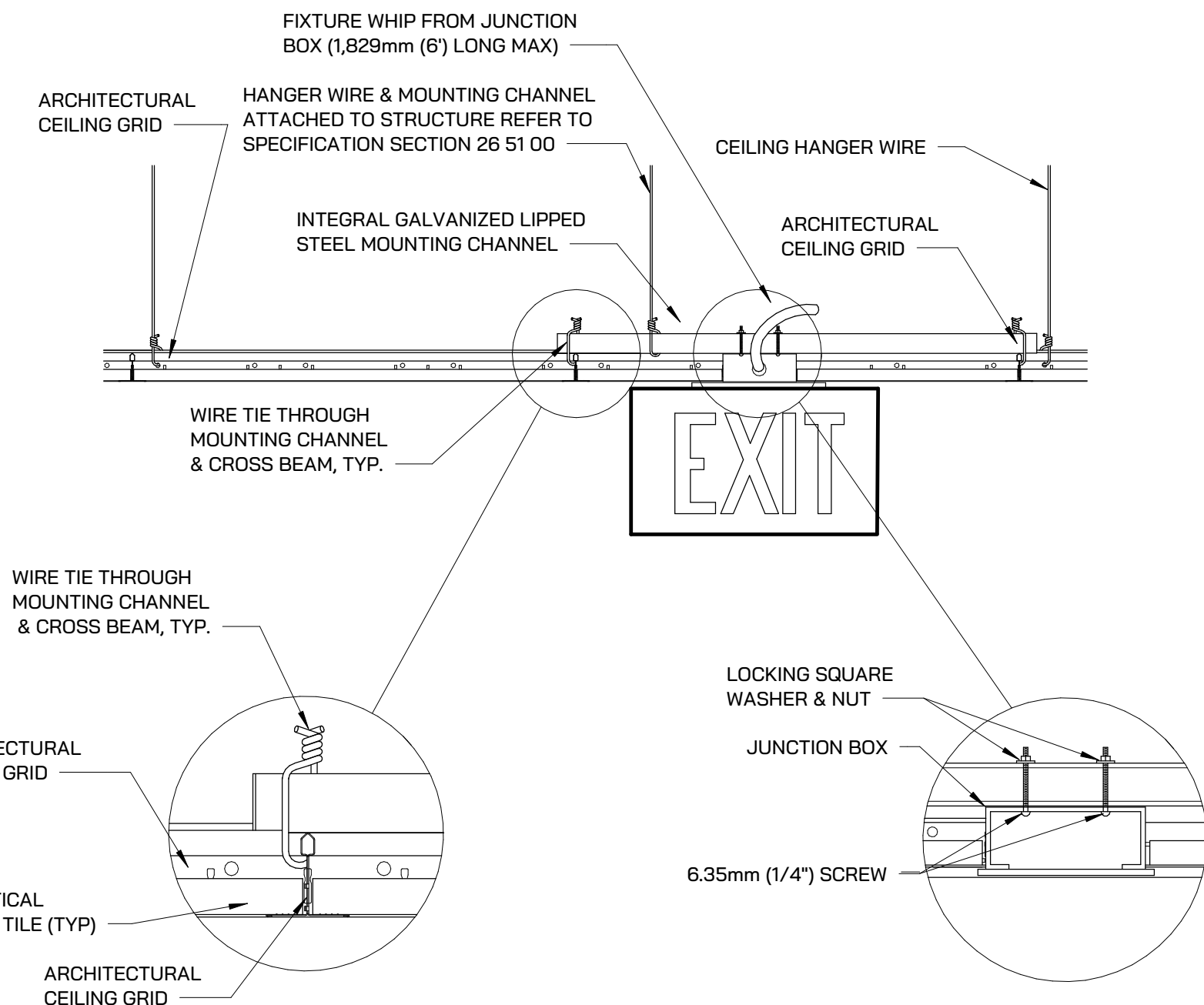
6 CIRCULATION DESK EAST ELEVATION
1/4" = 1'-0"

LIGHT FIXTURE NOTES:

1. PROVIDE FIXTURE WITH BATTERY PACK. FIXTURE SHALL COME ONE AND OPERATE A MINIMUM OF 90 MINUTES WHEN POWER FAILS. PROVIDE REMOTE BATTERY PACKS AS NEEDED FOR FIXTURE THAT DO NOT HAVE AN INTERNAL BATTERY OPTION.
2. PROVIDE DRIVERS AND ALL ASSOCIATED EQUIPMENT FOR A COMPLETE INSTALLATION. DRIVERS SHALL BE REMOTE IN THE ELECTRICAL ROOM. ALL CONDUIT AND WIRING SHALL BE CONCEALED.

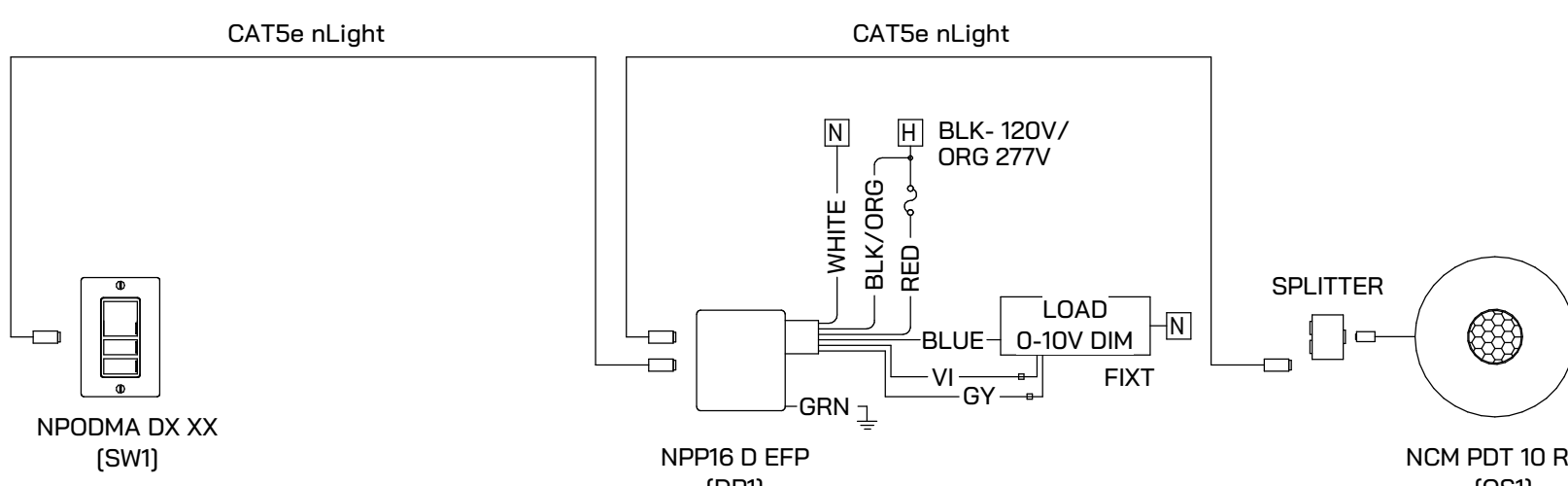


3 RECESSED DOWNLIGHT MOUNTING DETAIL
NOT TO SCALE

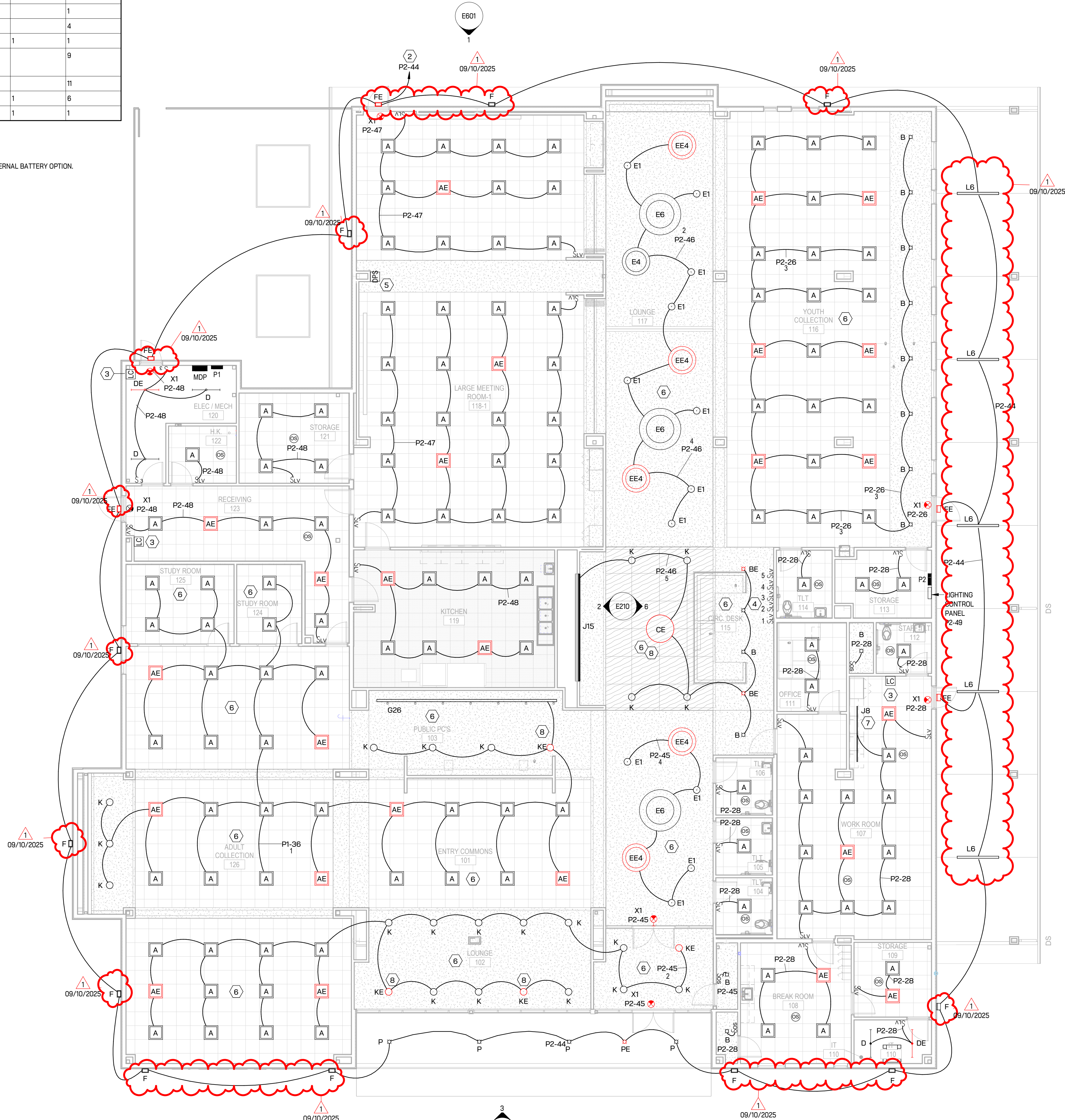


GENERAL NOTE:
1. INSTALL IN ACCORDANCE WITH MANUFACTURER'S MOUNTING INSTRUCTIONS AND USING THE RECOMMENDED MOUNTING HARDWARE.

5 RECEPTACLE ROOF MOUNTING DETAIL
NOT TO SCALE



4 NIGHT LIGHTING CONTROL
NOT TO SCALE



1 FIRST FLOOR LIGHTING PLAN
1/8" = 1'-0"

ELECTRICAL LIGHTING KEYED NOTES

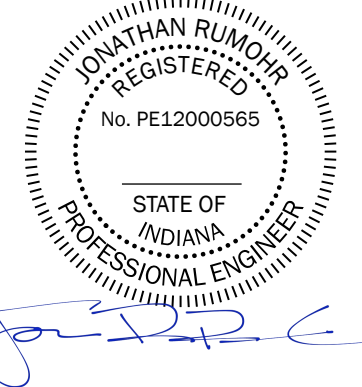
1. CONCEAL ALL LOW VOLTAGE WIRING. INSTALL DRIVERS IN ELECTRICAL ROOM AND LABEL WHICH DRIVER FEEDS WHICH LIGHT FIXTURE.
2. CONNECT TO BUILDING LIGHTING CONTROL SYSTEM.
3. PROVIDE MASTER ON OFF LIGHTING CONTROL. PROVIDE ALL WIRING AND CABLING FOR COMPLETE INSTALL.
4. PROVIDE SWITCH FOR EACH ZONE AS SPECIFIED.
5. PROVIDE DOOR POSITION SWITCH FOR PARTITION. THE TWO ROOMS SHALL ACT AS ONE WHEN THE DOOR IS OPEN AND ACT INDIVIDUALLY WHEN CLOSED.
6. ROOM SHALL BE PART OF ROOM LIGHTING SCHEDULE. ZONE AS SHOWN WITH WIRING.
7. MOUNT UNDER CABINET LIGHT NEXT TO UPPER CABINET VALANCE. CONCEAL ALL CONDUIT AND WIRE IN CABINET AND WALL. MOUNT POWER SUPPLY ABOVE ROOM LAY IN CEILING. CONNECT TO ROOM LIGHTING CIRCUIT AND CONTROL.
8. PROVIDE REMOTE BATTERY PACK AND LOCATE IN NEAREST ELECTRICAL ROOM OR CLOSET.



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CERTIFICATION:



CONSULTANT LOGO:

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MECHANICAL • ELECTRICAL DESIGN

123 DeVosier Place
Kalamazoo, Michigan 49007
P: 269.203.5056
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KEY PLAN:

Public Library
ST. JOE COUNTY

SJCPL -
WESTERN
BRANCH

RENOVATION AND
ADDITION

4163 W. WESTERN AVE.,
SOUTH BEND, IN 46619

REVISIONS:
1 ADDENDUM 1 09/10/2025

SET DESCRIPTION:
FOR CONSTRUCTION
DRAWING CONTENTS:
FIRST FLOOR LIGHTING
PLAN

ISSUE DATE: 08/27/2025 PROJECT NO.:
DRAWING NO.: Project Number

E210

ELECTRICAL LIGHTING KEYED NOTES

- 1 CONCEAL ALL LOW VOLTAGE WIRING. INSTALL DRIVERS IN ELECTRICAL ROOM AND LABEL WHICH DRIVER FEEDS WHICH LIGHT FIXTURE.
- 2 CONNECT TO BUILDING LIGHTING CONTROL SYSTEM.
- 3 PROVIDE MASTER ON/OFF LIGHTING CONTROL. PROVIDE ALL WIRING AND CABLEING FOR COMPLETE INSTALL.
- 4 PROVIDE SWITCH FOR EACH ZONE AS SPECIFIED.
- 5 PROVIDE DOOR POSITION SWITCH FOR PARTITION. THE TWO ROOMS SHALL ACT AS ONE WHEN THE DOOR IS OPEN AND ACT INDIVIDUALLY WHEN CLOSED.
- 6 ROOM SHALL BE PART OF ROOM LIGHTING SCHEDULE. ZONE AS SHOWN WITH WIRING.
- 7 MOUNT UNDER CABINET LIGHT NEXT TO UPPER CABINET VALANCE. CONCEAL ALL CONDUIT AND WIRE IN CABINET AND WALL. MOUNT POWER SUPPLY ABOVE ROOM LAY IN CEILING. CONNECT TO ROOM LIGHTING CIRCUIT AND CONTROL.
- 8 PROVIDE REMOTE BATTERY PACK AND LOCATE IN NEAREST ELECTRICAL ROOM OR CLOSET.

Y PLAN:



E211