

**ADDENDUM NO. 01****BILLINGS MET ADDITION AND REMODEL****1705 MONAD RD, BILLINGS, MT 59101**

Architect's Project No: 2329

Date Issued: 1-Mar-24

ARCHITECT: COLLABORATIVE DESIGN ARCHITECTS, INC.
2280 Grant Road – Suite C
Billings, Montana 59102
(406) 248-3443

Bidders shall acknowledge receipt of this addendum in the bid proposal. This Addendum forms part of the Contract Documents and modifies the Specifications, Drawings, General Conditions and any previously issued addenda as follows:

PART 1 - CHANGES TO SPECIFICATIONS

ITEM	SPECIFICATION REFERENCE	DESCRIPTION
01.1.1	1.1	REPLACE section in its entirety. Revised sections are <i>italicized</i> . Added words are bolded . Removed words are struck . 1. Revised opening paragraph to reflect the new bid date.
01.1.2	011000	REPLACE section in its entirety. Revised sections are <i>italicized</i> . Added words are bolded . Removed words are struck . 1. Revised section 2.01, subsection A, part 5 to reflect internal halyard, manual operation. Revised section 2.03, subsection F to reflect internal halyard, manual operation.
01.1.3	107500	REPLACE section in its entirety. Revised sections are <i>italicized</i> . Added words are bolded . Removed words are struck . 1. Revised section 1.07 Subsection B to reflect the new Bid Schedule.

PART 2 - CHANGES TO THE DRAWINGS

ITEM	SHEET NUMBER	DESCRIPTION
01.2.1	G001	REPLACE sheet in its entirety. Revisions are clouded. CLARIFICATION: 1. REMOVED THE FIRE ALARM FROM THE DEFERRED DOCUMENTS LIST

01.2.2	D102	REPLACE sheet in its entirety. Revisions are clouded. CLARIFICATION: 1. NOTE ADDED FOR EXISTING COLUMN TO REMAIN
01.2.3	D103	REPLACE sheet in its entirety. Revisions are clouded. CLARIFICATION: 1. NOTE ADDED INDICATING REMOVAL OF THE EXISTING FLAG POLE MOUNTED TO THE EXTERIOR WALL
01.2.4	A103	REPLACE sheet in its entirety. Revisions are clouded. CLARIFICATION: 1. EXISTING COLUMN SHOWN IN PLAN
01.2.5	A122	REPLACE sheet in its entirety. Revisions are clouded. CLARIFICATION: 1. EXISTING COLUMN SHOWN IN PLAN
01.2.6	A132	REPLACE sheet in its entirety. Revisions are clouded. CLARIFICATION: 1. EXISTING COLUMN SHOWN IN PLAN. FINISH KEYNOTED
01.2.7	A143	REPLACE sheet in its entirety. Revisions are clouded. CLARIFICATION: 1. EXISTING COLUMN SHOWN IN PLAN
01.2.8	A511	REPLACE sheet in its entirety. Revisions are clouded. CLARIFICATION: 1. REMOVED SPRAY FOAM SHOWN WITHIN THE STOREFRONT ASSEMBLY AND CORRESPONDING NOTE
01.2.9	A521	REPLACE sheet in its entirety. Revisions are clouded. CLARIFICATION: 1. CLARIFIED DETAIL TO INDICATE PARAPET COPING SYSTEM CLEAT AND DIMENSIONS
01.2.10	A523	REPLACE sheet in its entirety. Revisions are clouded. CLARIFICATION: 1. CLARIFIED DETAIL TO INDICATE PARAPET COPING SYSTEM CLEAT AND DIMENSIONS
01.2.11	E002	REPLACE sheet in its entirety. Revisions are clouded. Sheet E002 - LUMINAIRE AND MEP SCHEDULE 1. General Note: ADD "All lights shall be buy American compliant, or waver shall be submitted" 2. Fixture type E5E: Change to have a BLACK painted flange (TRBL) with semi specular cone (AR) and not a black reflector. 3. Fixture Type C1: Change wall mounting bracket offset/ space from 3" (WB3) to 2" (WB2).

PART 3 - SUBSTITUTION REQUESTS/BIDDING QUESTIONS

A pre-bid conference was held on February 26th at 10 am. Sign-up sheet for attendees attached at the end of this document.

ITEM	REFERENCE/ QUESTION	DESCRIPTION
01.3.1	Will there be a Construction clean-up crew needed once the project is complete?	REFER TO SPECIFICATION SECTION 017000 FOR CLOSEOUT REQUIREMENTS.

01.3.2	<p>Section 107500 2.01 5 calls for an interior halyard. Electric operation. This is not available. 2.03 F calls for a 5/16 polypropylene halyard, this would be used in an external situation.</p> <p>Please advise if the owner wants Internal Halyard manual operation or Exterior halyard.</p>	<p>Revised section 2.01, subsection A, part 5 to reflect internal halyard, manual operation. Revised section 2.03, subsection F to reflect internal halyard, manual operation.</p>
01.3.3	Is there any asbestos abatement within this project or a survey?	Asbestos testing & abatement is by owner and outside the scope of this project.
01.3.4	Cameras are shown on the security telecom drawings. Are they part of the project, or owner provided?	Cameras shown are part of a separate project for coordination purposes only. For the sake of this project they are by owner.
01.3.5	Is fire alarm involved in this project?	There is no fire alarm on this job. It's a Sprinkler monitoring only system and there will be no added flows or tampers on the sprinkler system so work is anticipated to have to happen.
01.3.6	HM Doors 105-2, 123-2 & 129 on the door schedule are listed as insulated HM but only 105-2 has a threshold, sweep and weatherstrip, is that correct?	Door 105-2 is an exterior door and has a threshold, sweep and weatherstrip per door hardware set 01. Doors 123-2, 129, & 101-3 are insulated hollow metal doors that are inside a rated wall to separate the offices from warehouse spaces and do not have a threshold, sweep, and weatherstrip per door hardware sets.

01.3.7	<p>There is a note on 1 page about an alternate but I'm not sure what doors would be alternates or if that note was correct. Please let me know where to find that information, if there is an alternate.</p>	<p>No doors are included in ADD ALT-01 or DEDUCT ALT-01. Refer to Sheets D101 & A131 for ADD ALT-01 and sheet A121 for DEDUCT-ALT 01. Project alternate scopes are further outlined in section 012300 of the specifications.</p> <p>If this question is referring to Finish Plan Keynote #1, the flooring transition strip is only required if ADD ALT-01 to replace the existing restroom floor is NOT accepted.</p>
01.3.8	<p>For the aluminum storefront spec you do not call out a manufacturer or type of storefront.</p>	<p>No storefront manufacturer is specified. Specifications call out for a Manufactuer's Certificate to certify that the products supplied meet or exceed the specified requirements. See Specification Section 084313 and sheet A602 Aluminum-Framed Storefront information.</p>
01.3.9	<p>The glass spec has no performance values listed.</p>	<p>The glazing performance standards are noted in specification section 088000 and in the window schedules / notes on sheet A602.</p>
01.3.10	<p>The plans show casement windows-There is no spec or details for these windows.</p>	<p>The casement windows shown are a casement operation within an aluminum storefront system. See sheet A602</p>
01.3.11	<p>You have details that show a 4" system, A 6" system, and a 5" system.</p>	<p>Opening details in the drawing set are primarily to indicate how to finish, flash, and waterproof around the opening. All storefront system information to be found in the specifications and door & window schedules. See Specification Section 084313 & Sheet A602</p>
01.3.12	<p>No door type being narrow, medium, or wide stile.</p>	<p>Door stiles for each door type are dimensioned on sheet A602.</p>
01.3.13	<p>Substitution Request - Temperature Controls</p>	<p>See MMI Addendum 01 Document</p>
01.3.14	<p>Substitution Request - Backdraft Dampers and Pressure Relief Dampers</p>	<p>See MMI Addendum 01 Document</p>
01.3.15	<p>Substitution Request - Manual Volume Dampers</p>	<p>See MMI Addendum 01 Document</p>

01.3.16	Substitution Request - Control Dampers	See MMI Addendum 01 Document
01.3.17	Substitution Request - Fire Dampers	See MMI Addendum 01 Document
01.3.18	Substitution Request - Combination Smoke and Fire Dampers	See MMI Addendum 01 Document
01.3.19	Substitution Request - Duct Mounted Access Doors	See MMI Addendum 01 Document
01.3.20	Substitution Request - Insulated Flexible Ducts	See MMI Addendum 01 Document
01.3.21	Substitution Request - Centrifugal Roof Ventilators	See MMI Addendum 01 Document
01.3.22	Substitution Request - Shutoff, Single Duct Air Terminal Units	See MMI Addendum 01 Document
01.3.23	Substitution Request - Grilles, Registers and Diffusers	See MMI Addendum 01 Document
01.3.24	Substitution Request - Temperature Controls	See MMI Addendum 01 Document
01.3.25	Substitution Request - Split System Air Conditioners	See MMI Addendum 01 Document
01.3.26	Substitution Request - Air Handling Units	See MMI Addendum 01 Document
01.3.27	Substitution Request - Drinking Fountain	See MMI Addendum 01 Document
01.3.28	Substitution Request - Electric Wall and Ceiling Heaters	See MMI Addendum 01 Document
01.3.29	Substitution Request - Round Metal Ducts	See MMI Addendum 01 Document

01.3.30	Submitted Product/ Representative: Lumen FX	See MMI Addendum 01 Document
01.3.31	Submitted Product/ Representative: MH Lighting	See MMI Addendum 01 Document
01.3.32	Submitted Product/ Representative: Northern Rockies Agency	See MMI Addendum 01 Document

ADDENDUM 1
Billings MET Addition
Civil – Structural – Fire Protection – Plumbing
Mechanical – Electrical – Telecommunications

Date: 03/01/2024

TO: ALL PLANHOLDERS

The plans and specifications for the above captioned project are hereby modified and/or superseded by this Addendum:

CIVIL:
SPECIFICATIONS –

No changes at this time.

DRAWINGS –

No changes at this time.

STRUCTURAL:

SPECIFICATIONS –

No changes at this time.

DRAWINGS –

No changes at this time.

FIRE PROTECTION:

SPECIFICATIONS –

No changes at this time.

DRAWINGS –

No changes at this time.

PLUMBING:

SPECIFICATIONS –

No changes at this time.

DRAWINGS –

No changes at this time.

MECHANICAL:

SPECIFICATIONS –

No changes at this time.

DRAWINGS –

No changes at this time.

ELECTRICAL:

SPECIFICATIONS –

No changes at this time.

DRAWINGS –

Sheet E002 - LUMINAIRE AND MEP SCHEDULE

1. General Note: ADD "All lights shall be buy American compliant, or waver shall be submitted"
2. Fixture type E5E: Change to have a BLACK painted flange (TRBL) with semi specular cone (AR) and not a black reflector.
3. Fixture Type C1: Change wall mounting bracket offset/ space from 3" (WB3) to 2" (WB2).

TELECOMMUNICATIONS:

SPECIFICATIONS –

No changes at this time.

DRAWINGS –

No changes at this time.

PRIOR APPROVAL –

All material or products supplied by the contractor must meet or exceed the quality and performance of the material or product originally specified. It is the contractor's responsibility to ensure that substituted equipment matches the exterior dimensions, weight, and configuration of the equipment that was specified.

THE CONTRACTOR IS SPECIFICALLY REMINDED THAT THE INDIVIDUAL PRODUCTS MUST MEET OR EXCEED THE QUALITY AND PERFORMANCE OF THE PRODUCT ORIGINALLY SPECIFIED.

MECHANICAL:

Bidding contractor, supplier or representative providing products for project consideration shall review a full set of plans and specifications. Items listed below do not represent all products submitted for consideration from the named entity seeking approval, but rather the products that have comments associated with them. No comment for a submitted product shall signify that product is acceptable.

MECHANICAL:

Temperature Controls:

1. MTI – Approved. Must be able to tie into existing Trane temperature control system or provide new, whole building control from new MTI front end.

Backdraft Dampers and Pressure Relief Dampers:

2. Pottorff, Inc – Approved.

Manual Volume Dampers:

1. Pottorff, Inc – Approved.

Control Dampers:

1. Pottorff, Inc – Approved.

Fire Dampers:

1. Pottorff, Inc – Approved.

Combination Smoke and Fire Dampers:

1. Pottorff, Inc – Approved.

Duct Mounted Access Doors:

1. Pottorff, Inc – Approved.

Insulated Flexible Ducts:

1. Atco – Approved.

Centrifugal Roof Ventilators:

1. American Coolaire, Inc – Approved.

Shutoff, Single Duct Air Terminal Units:

1. Titus, Inc – Approved.

Grilles, Registers and Diffusers:

1. Titus, Inc – Approved.

Split System Air Conditioners:

1. Mitsubishi Industries – Approved.

Air Handling Units:

1. Carrier Corporation – Approved.
2. Valent – Approved.

Drinking Fountain:

1. Oasis – Approved.

Electric Wall and Ceiling Heaters:

1. Ouellet Electric Heating, Inc – Approved.
2. Indeeco – Approved.

Round Metal Ducts:

1. L&L Fabrication – Approved.

ELECTRICAL:

Bidding contractor, supplier or representative providing products for project consideration shall review a full set of plans and specifications. Items listed below do not represent all products submitted for consideration from the named entity seeking approval, but rather the products that have comments associated with them. No comment for a submitted product shall signify that product is acceptable.

Submitted product/ Representative: Lumen FX –

LED Lighting:

1. No comments on submitted lights.

Lighting Control Devices:

1. All wall mounted devices shall have the finish coordinated with the architect prior to ordering.
2. There is no LCP on the job.
3. No additional comments

Submitted product/ Representative: MH Lighting –

LED Lighting:

1. Fixture A1E: Wiring shall support normal and emergency in a common run.
2. Fixture A2E: Wiring shall support normal and emergency in a common run.
3. Fixture A5: Provide with FA3 mounting.
4. Fixture B1E: Provide with self-diagnostic battery pack.
5. Fixture B2E: Provide with self-diagnostic battery pack.
6. Fixture B5E: Provide with self-diagnostic battery pack.
7. Fixture B6E: Provide with self-diagnostic battery pack.
8. Fixture B10/B11: Provide in flat panel CBT version.
9. Fixture C1: Provide in version by Finelite.

10. E10/E10E: Fixture is mounted in a metal ceiling.
11. E20:
 - a. Provide fixture in 4000K.
 - b. Fixture shall have integral photocell and motion sensor.
12. Fixture G1: REJECTED
13. Fixture H1: REJECT
14. Fixture M1: Provide in RGBW
15. Fixture X1: Provide with mirror background in single face.
16. Fixture X5: Provide with mirror background in single face.
17. Fixture X10:
 - a. Provide with mirror background in single face.
 - b. Provide with stem kit.

Submitted product/ Representative: Northern Rockies Agency –

LED Lighting:

1. Fixture A1:
 - a. Provide in black body finish.
 - b. Don't provide with Louvers but with flush symmetric silk lens.
 - c. Ceiling mounting is hard lid and is flat.
2. Fixture A1E:
 - a. Provide in black body finish.
 - b. Don't provide with Louvers but with flush symmetric silk lens.
 - c. Ceiling mounting is hard lid and is flat.
3. Fixture A2:
 - a. Provide in black body finish.
 - b. Don't provide with Louvers but with flush symmetric silk lens.
 - c. Ceiling mounting is hard lid and is flat.
4. Fixture A2E:
 - a. Provide in black body finish.
 - b. Don't provide with Louvers but with flush symmetric silk lens.
 - c. Ceiling mounting is hard lid and is flat.
5. Fixture A5:
 - a. Provide in black body finish.
 - b. Don't provide with Louvers but with flush symmetric silk lens.
 - c. Ceiling mounting is hard lid and is flat.
6. Fixture A6E:
 - a. Provide in black body finish.
 - b. Don't provide with Louvers but with flush symmetric silk lens.
 - c. Ceiling mounting is a flat ACT 15/16 T-bar.
 - d. Provide in 48" mounting aircraft cable.
7. Fixture C1:
 - a. Provide in black body finish.
 - b. Provide with no finish on the louver.
 - c. Provide with wall mounting arms.
8. Fixture EL10: Provide in double head.

Lighting Control Devices:

1. All wall mounted devices shall have the finish coordinated with the architect prior to ordering.
2. No additional comments.

END OF ADDENDUM 1

Prebid Conference

DATE: February 26, 2024

SCOPE OF WORK:

MET Addition and Remodel

ATTENDEES:

	NAME (printed)	ORGANIZATION	TELEPHONE NO.	EMAIL
1	TJ Andersen	EFP	406-850-9202	TJ@elitefiremt.com
2	Greg Miller	Canyon Bloc.	406-288-7615	gmiller@canyonelectric.biz
3	Dan Stubbins	TelNET	406-855-1744	Dan.Stubbins@TelnetSystemsStubbins.com
4	Terry Jiracic	MMI	406-237-1263	TJiracic@M-M.NET
5	Ryan Thomson	MMI	406-594-5074	rthomson@M-M.NET
6	Rusty Legear	MET Transit		
7	Josh Smith	MET Transit		
8	Dan Gilsdorf	MET Transit		
9	Dan Wagner	Plumb MT, Inc	406-850-2932	dan@plumbmt.com
10	Heather Mosser	MMI	406-656-6000	
11	Austin Anderson	COLLABORATIVE		
12	TRAVIS SMITH	COLLABORATIVE		
13				
14				
15				
16				
17				
18				
19				
20				

Section 1.1 Invitation To Bid

AVIATION AND TRANSIT DEPARTMENT CITY OF BILLINGS BILLINGS, MONTANA

Notice is hereby given that sealed bids entitled "**Billings MET Addition & Remodel**" for the City of Billings MET Transit will be received by the Billings City Clerk, via e-mail at bids@billingsmt.gov, or via mail or delivery at 210 N. 27th Street, Billings, MT 59101 (P.O. Box 1178, Billings, MT 59103), until 2:00 p.m., local time, on Tuesday, March 5 19, 2024. The bidder's name, address, and bidder's Montana Contractor's Registration Number shall appear in the lower left-hand corner of the envelope or in the e-mail message.

Bids will be publicly opened and read aloud via Facebook Live on the City's Facebook page: <https://www.facebook.com/Billings-MT-City-Government-74352842013/>. Bid tabulations will be posted for public viewing after the bids have been opened.

Schedule 1 – Billings MET Addition & Remodel

2,059 SF Office Addition and approximately 4,255 SF remodel of existing space.

This work is to include all tools, equipment, materials and labor to complete this project.

Bid Bond. All bids must be accompanied by lawful monies of the United States or a Cashier's Check, a Certified Check, Bid Bond, Bank Money Order or Bank Draft, drawn and issued by a National Banking Association located in the State of Montana, or by any Banking Corporation incorporated under the Laws of the State of Montana, in an amount equal to not less than ten (10) percent of the total bid, payable to the order of the City of Billings as liquidated damages in the event said successful bidder shall fail or refuse to execute the contract in accordance with the terms of his bid.

Performance and Payment Bond. After a contract is awarded, the successful bidder will be required to furnish a separate Performance and Payment Bond, each in the amount of one hundred percent (100%) of the contract.

Contract Documents. Contact person for this project is Austin Anderson, at 406-248-3443. Please email all bid questions to austin@cd-mt.com. The Contract Documents consisting of half size Drawings and Project Manual may be viewed or obtained on-line at the Montana Bid Exchange.

The Owner reserves the right to reject any or all bids and to waive irregularities.

The Bidder must supply all the information required by the bid documents and specifications.

Funding for This Contract is Federally Assisted. Contractors at every tier must comply with applicable federal requirements including but not limited to: the Buy American Preference, Foreign Trade Restriction, Davis Bacon, Affirmative Action, Government-wide Debarment and Suspension, Government-wide Requirements for Drug-free Workplace, as contained in the bid documents.

Title VI Solicitation Notice. The Owner, in accordance with the provisions of Title VI of the Civil Rights Act of 1964 (78 Stat. 252, 42 U.S.C. §§ 2000d to 2000d-4) and the Regulations, hereby notifies all bidders that it will affirmatively ensure that any contract entered into pursuant to this advertisement, disadvantaged business enterprises will be afforded full and fair opportunity to submit bids in response to this invitation and will not be discriminated against on the grounds of race, color, or national origin in consideration for an award.

Davis Bacon. The Contractor will be required to comply with the wage and labor requirements and to pay minimum wages in accordance with the schedule of wage rates established by the United States

Department of Labor as referenced in the Contract. Davis Bacon applies to contracts in which the total cost of the contract is \$2,000 or more.

Contractor Registration. Contractors and any subcontractors doing work on this project will require registration with the Montana Department of Labor and Industry. Forms for registration are available from the Department of Labor and Industry, P.O. Box 8011, 1805 Prospect Avenue, Helena, Montana 59604-8011. Information on registration can be obtained by calling 1-800-556-6694. Contractors are required to have been registered with the Department of Labor and Industry prior to bidding on this project.

Equal Employment Opportunity and Affirmative Action Requirement. The proposed contract is under subject to 41 CFR § 60-1.4 and Executive Order 11246 of September 24, 1965, and to the Equal Employment Opportunity (EEO) and Federal Labor Provisions. A Contractor having 50 or more employees and his subcontractors having 50 or more employees and who may be awarded a subcontract of \$50,000 or more will be required to maintain an affirmative action program, the standards for which are contained in the specifications. To be eligible for award, each bidder must comply with the affirmative action requirements which are contained in these specifications.

DBE Requirement. The City of Billings, MET Transit has established an overall DBE goal for the year. Under this contract, the Owner is adopting a race-neutral means of facilitating DBE participation. The bidder shall not discriminate on the basis of race, color, national origin, or sex in the performance of this contract. The bidder shall carry out all applicable requirements of 49 CFR Part 26 in the award and administration of DOT assisted contracts.

As required by 49 CFR Part 26, the Owner is required to create a bidders list, consisting of information about all DBE and non-DBE firms that bid or quote on DOT-assisted contracts. The purpose of this requirement is to allow use of the bidders list approach to calculating future overall DBE goals. As per the requirements of the Proposal section, all Prime Bidders submitting bids on this project must submit, with his or her bid, a list including the name, address, and DBE/non-DBE status of all subcontractors and suppliers that bid or quote for work under this contract. Failure to provide this information, as outlined in the Proposal section, will make the bidder non-responsive and not eligible for award of the contract.

Funding and Award. This contract will be funded in part by a grant from the Federal Transit Administration. Therefore, award and execution of the Contract is subject to FTA regulations and requirements. Bidders may not withdraw Proposals for a period of **sixty (60)** days after the bid opening date.

Pre-bid Conference. The pre-bid conference is not mandatory and hereby established at **10:00 a.m., Monday, February 26, 2024**, at the MET Transit Conference Room, MET Transit, 1705 Monad Road, Billings, Montana, 59101. Interested Contractors are encouraged to attend. Failure of the Contractor to thoroughly familiarize themselves with the scope of this project does not relieve the Contractor from the requirement of this Agreement. A tour of the work site at MET Transit will be conducted following the pre-bid conference.

Denise Bohlman
City Clerk
City of Billings
P.O. Box 1178
Billings, Montana 59103

First Publication: February 16, 2024
Second Publication: February 23, 2024
Third Publication: March 1, 2024

END OF SECTION

SECTION 011000 SUMMARY

PART 1 GENERAL

1.01 PROJECT

- A. Project Name: 2329 - Billings MET Addition & Remodel
- B. Owner's Name: City of Billings.
- C. Architect's Name: Collaborative Design Architects.
- D. The Project consists of the construction of an interior remodel to existing office and dispatch space, as well as a building addition consisting of additional office and dispatch space.

1.02 CONTRACT DESCRIPTION

- A. Contract Type: A single prime contract based on a Stipulated Price.

1.03 DESCRIPTION OF ALTERATIONS WORK

- A. Scope of demolition and removal work is indicated on drawings.
- B. Scope of alterations work is indicated on drawings.
- C. The General Contractor shall be responsible for information contained in **ALL** subdivisions and may establish any sub-contractual relationships in which they may choose. The General Contractor is responsible for ensuring coordination between the Work of all trades and among all subcontractors, and sub-sub-contractors, etc. **Each subcontractor or trade is required to review all specification sections and all drawings for work related to the work of their trade and include said work in their price to the General Contractor. By submitting a price to the General Contractor for their portion of the Work the subcontractor or trade declares that they have reviewed all drawings and all specifications informing their price for their portion of the Work.**

1.04 OWNER OCCUPANCY

- A. Owner intends to continue to occupy portions of the existing building during the entire construction period.
 - 1. Contractor to submit a proposed phasing plan as part of bid submittal documents that allows continuous occupancy/function of office administration functionalities.
 - a. Final phasing plan will be coordinated between selected contractor and owner.
- B. Owner intends to occupy the Project upon Substantial Completion.
- C. Cooperate with Owner to minimize conflict and to facilitate Owner's operations.
- D. Schedule the Work to accommodate Owner occupancy.

1.05 CONTRACTOR USE OF SITE AND PREMISES

- A. Provide access to and from site as required by law and by Owner:
 - 1. Emergency Building Exits During Construction: Keep all exits required by code open during construction period; provide temporary exit signs if exit routes are temporarily altered.
 - 2. Do not obstruct roadways, sidewalks, or other public ways without permit.
- B. Existing building spaces may not be used for storage.
- C. Utility Outages and Shutdown:
 - 1. Limit disruption of utility services to hours the building is unoccupied.
 - 2. Prevent accidental disruption of utility services to other facilities.

1.06 WORK SEQUENCE

- A. Coordinate construction schedule and operations with Owner.

1.07 BIDDING PROCESS SUMMARY

- A. **Bidding Process:** Prospective bidders are to follow the following process guidelines and schedule.

1. All questions are to be collected by the prospective General Contractor and submitted in a consolidated list to the Architect by the time and date listed in the Bid Schedule.
2. Contractors are to complete the attached Substitution Form (as necessary) for any proposed substitution requests, and return to the Architect by the time and date listed in the Bid Schedule.
3. Contractors are to complete the attached Bid Proposal Form and submit for consideration by time and date listed in the Bid Schedule.
4. Contractors are to complete the attached Schedule of Values and Submit with Bid Proposal Form by the time and date listed in the Bid Schedule.
5. Contractors are to provide a Construction Phasing Plan as it relates to Owner Occupancy during construction (see section 1.04 above).
6. Contractors are to provide a Duration of Construction general schedule.
7. Contractors are to provide proposed Project Manager and Site Superintendant bio pages (limit to one page each).
8. Contractors are to provide a Summary of Availability as it relates to current workflow and project load.

B. ***Bid Schedule:***

Bid Schedule Milestone	Date	Time
Documents available to prospective bidders:	February 16, 2024	-
Pre-Bid Walkthrough:	February 26, 2024	10am
Bidding questions/substitutions due to Architect:	February 27, 2024 March 12, 2024	4pm
Question responses/Bid Addendum #1 issued:	March 1, 2024	4pm
Question responses/Bid Addendum #2 issued:	March 15, 2024	4 pm
Bid Opening:	March 5, 2024 March 19, 2024	2pm

PART 2 PRODUCTS - NOT USED

PART 3 EXECUTION - NOT USED

END OF SECTION

SECTION 107500 FLAGPOLES

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Aluminum Flagpoles.

1.02 RELATED REQUIREMENTS

1.03 REFERENCE STANDARDS

- A. AASHTO M 36 - Standard Specification for Corrugated Steel Pipe, Metallic-Coated, for Sewers and Drains; 2016.
- B. ASTM A123/A123M - Standard Specification for Zinc (Hot-Dip Galvanized) Coatings on Iron and Steel Products; 2017.
- C. ASTM B241/B241M - Standard Specification for Aluminum and Aluminum-Alloy Seamless Pipe and Seamless Extruded Tube; 2022.
- D. NAAMM FP 1001 - Guide Specifications for Design Loads of Metal Flagpoles; 2007.

1.04 SUBMITTALS

- A. See Section 013000 - Administrative Requirements, for submittal procedures.
- B. Product Data: Provide data on pole, accessories, and configurations.
- C. Shop Drawings: Indicate detailed dimensions, base details, anchor requirements, and imposed loads.
- D. Designer's Qualification Statement.
- E. Operation Data: Provide operating data for the controller and timer.
- F. Maintenance Data: Provide lubrication and periodic maintenance requirement schedules and all other required maintenance data.

1.05 QUALITY ASSURANCE

- A. Designer Qualifications: Design flagpole foundation under direct supervision of a Professional Structural Engineer experienced in design of this Work and licensed the State in which the Project is located.

1.06 DELIVERY, STORAGE, AND HANDLING

- A. Spiral wrap flagpole with protective covering and pack in protective shipping tubes or containers.
- B. Protect flagpole and accessories from damage or moisture.

PART 2 PRODUCTS

2.01 FLAGPOLES

- A. Flagpoles: Designed in accordance with NAAMM FP 1001
 - 1. Material: Aluminum.
 - 2. Design: Straight shaft.
 - 3. Mounting: Ground mounted type.
 - 4. Nominal Height: 25 ft; measured from nominal ground elevation.
 - 5. Halyard: Interior type ~~electric operation~~.
- B. Performance Requirements:
 - 1. Wind Pressure Loading on Flagpole with Flag: Resistant without permanent deformation to 90 miles/hr wind speed, in accordance with NAAMM FP 1001; the factor of safety used is 2.5.

2.02 POLE MATERIALS

- A. Aluminum: ASTM B241/B241M , 6063 alloy , T6 temper.

2.03 ACCESSORIES

- A. Finial Ball: Stainless steel, 6 inch diameter.
- B. Truck Assembly: Cast aluminum; revolving, stainless steel ball bearings, non-fouling.
- C. Flag: as indicated design, 8 ft by 12 ft size, nylon fabric, brass grommets, hemmed edges.
 - 1. American Flag: 8' x 12'
 - 2. State of Montana Flag: 5' x 8'
- D. Cleats: 9 inch size, aluminum with galvanized steel fastenings, two per halyard.
- E. Cleat Box: Aluminum, with built-in hinge and hasp assembly, attached to pole with tamper proof screws inside box.
- F. Halyard: *3/8 inch diameter cotton, braided, with steel or bronze core.*
- G. Connecting Sleeve For Multiple Section Poles: Same material as pole, precision fit for field assembly of pole, concealed fasteners.
- H. Counterbalance: per manufacturer.
- I. Primer: Zinc chromate type.

2.04 OPERATORS

- A. Hand Crank: Removable handle type.

2.05 MOUNTING COMPONENTS

- A. Foundation Tube Sleeve: AASHTO M 36, corrugated 16 gauge, 0.0598 inch steel, galvanized, depth of _____ inches.
- B. Pole Base Attachment: Flush; steel base with base cover.

2.06 FINISHING

- A. Metal Surfaces in Contact With Concrete: Asphaltic paint.
- B. Concealed Steel Surfaces: Galvanized to ASTM A123/A123M requirements.
- C. Exposed to View Steel Surfaces: Galvanized to ASTM A123/A123M requirements.
- D. Aluminum: Mill finish.
- E. Finial: Spun finish.

PART 3 EXECUTION

3.01 EXAMINATION

3.02 PREPARATION

3.03 INSTALLATION

- A. Install flagpole , base assembly, and fittings in accordance with manufacturer's instructions.

3.04 TOLERANCES

- A. Maximum Variation From Plumb: 1 inch.

3.05 ADJUSTING

- A. Adjust operating devices so that halyard and flag function smoothly.

END OF SECTION

BILLINGS MET ADDITION

ADDENDUM 01

OWNER



CITY OF BILLINGS
1705 MONAD RD BILLINGS MT 59101
406.657.6218

CITY OF BILLINGS MET TRANSIT

ARCHITECT



COLLABORATIVE DESIGN ARCHITECTS
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NICK PANCHEAU, AIA

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HEATHER MOSSER, PE

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JAY FISCHER, PE

MECHANICAL ENGINEERING



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RYAN THOMSON, PE

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JEFF KRAFT, PE

IT ENGINEERING



MORRISON MAIERLE
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PETE WEBER, RCDD

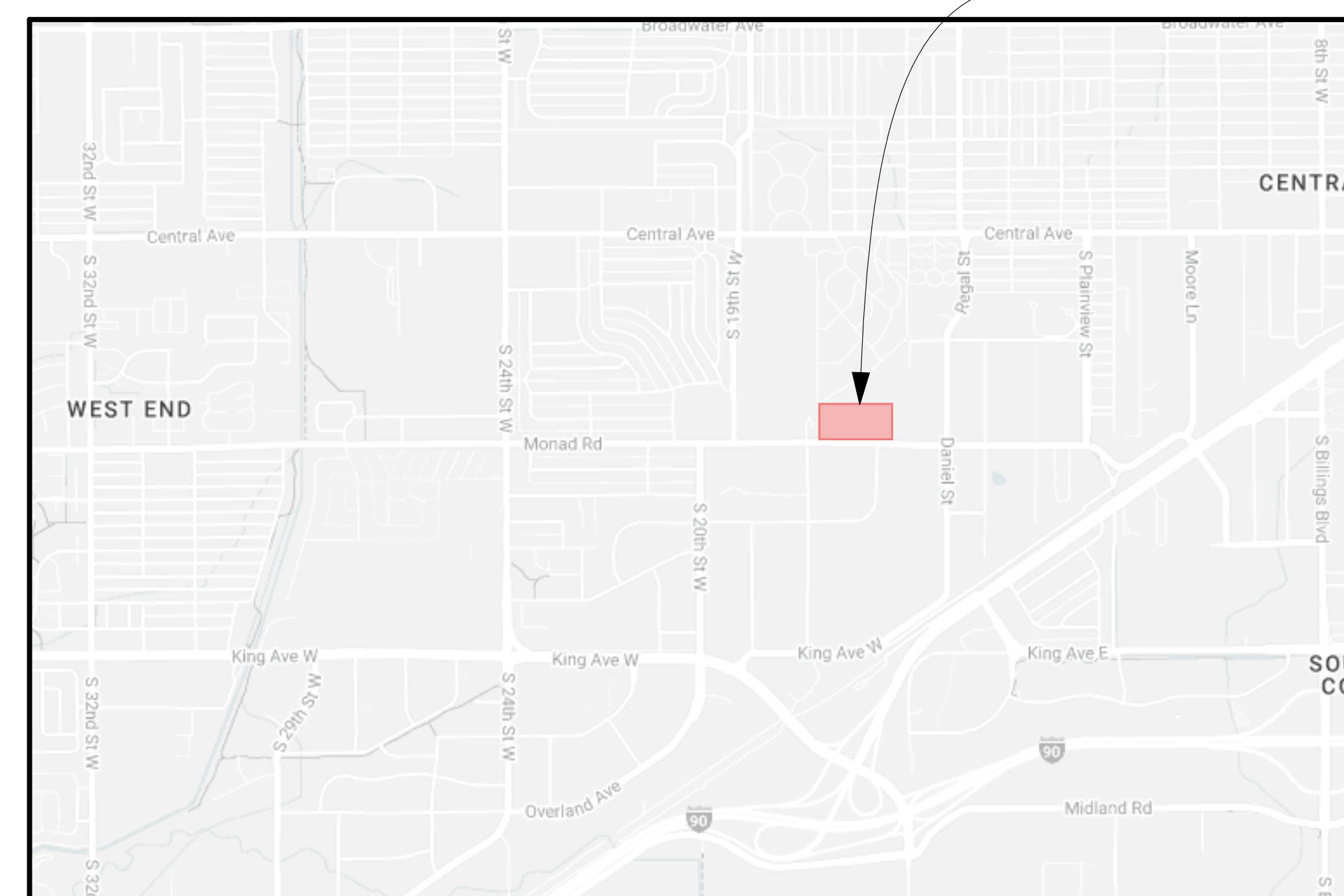
FIRE PROTECTION ENGINEERING



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TRENT PEARSON, PE

PROJECT LOCATION



1 VICINITY MAP

G001

SHEET INDEX

GENERAL SHEETS

- G001 COVER SHEET
- G002 ACCESSIBILITY REQUIREMENTS
- G003 ACCESSIBILITY REQUIREMENTS
- G004 ACCESSIBILITY REQUIREMENTS
- G005 BUILDING CODE ANALYSIS
- G011 FIRE & LIFE SAFETY PLAN - REGION A
- G012 FIRE & LIFE SAFETY PLAN - REGION B
- G021 ENERGY CODE REQUIREMENTS
- AS101 OVERALL SITE PLAN
- AS102 ENLARGED SITE PLAN & DETAILS

CIVIL SHEETS

- C100 DEMO PLAN
- C200 SITE PLAN
- C300 GRADING PLAN
- C500 DETAILS

LANDSCAPE SHEETS

- L100 LANDSCAPE PLAN

DEMOLITION PLANS

- D101 DEMOLITION PLAN - REGION A
- D102 DEMOLITION PLAN - REGION B
- D103 DEMOLITION ROOF PLAN

BUILDING PLANS

- A101 OVERALL PLAN - MAIN FLOOR PLAN
- A102 MAIN FLOOR PLAN - REGION A
- A103 MAIN FLOOR PLAN - REGION B
- A111 OVERALL PLANT ROOF PLAN
- A112 ROOF PLANT REGION A
- A113 ROOF PLANT REGION B
- A121 MAIN FLOOR RCP - REGION A
- A122 MAIN FLOOR RCP - REGION B
- A123 ENLARGED REFLECTED CEILING PLANS
- A131 MAIN FLOOR FINISH PLAN - REGION A
- A132 MAIN FLOOR FINISH PLAN - REGION B
- A142 ENLARGED FLOOR PLANS
- A143 ENLARGED FLOOR PLANS
- A151 MAIN FLOOR FFE PLAN - REGION A
- A152 MAIN FLOOR FFE PLAN - REGION B

EXTERIOR ELEVATIONS

- A201 ELEVATIONS
- A202 ELEVATIONS
- A203 ELEVATIONS
- P001 PLUMBING COVER SHEET
- P002 PLUMBING SCHEDULES
- P003 PLUMBING UNDERSLAB DEMOLITION
- PD101 PLUMBING MAIN FLOOR DEMOLITION PLAN - REGION A
- PD102 PLUMBING MAIN FLOOR UNDERSLAB PLAN - REGION A
- P101 PLUMBING MAIN FLOOR UNDERSLAB PLAN - REGION A
- P102 PLUMBING MAIN FLOOR PLAN - REGION A
- P201 PLUMBING ROOF PLAN - REGION A
- P501 PLUMBING DETAILS

BUILDING SECTIONS

- A301 BUILDING SECTIONS
- A302 BUILDING SECTIONS
- A303 BUILDING SECTIONS

WALL SECTIONS

- A401 WALL SECTIONS
- A402 WALL SECTIONS
- A403 WALL SECTIONS
- A404 WALL SECTIONS
- A405 WALL SECTIONS

DETAILS

- A501 HORIZONTAL ASSEMBLY TYPES
- A502 VERTICAL ASSEMBLY TYPES
- A511 OPENING DETAILS
- A512 OPENING DETAILS
- A521 EXTERIOR DETAILS
- A522 EXTERIOR DETAILS
- A523 EXTERIOR DETAILS
- A532 ROOF DETAILS
- A531 ROOF DETAILS
- A541 INTERIOR DETAILS
- A542 INTERIOR DETAILS
- A543 CASEWORK DETAILS
- A544 CASEWORK DETAILS

SCHEDULES

- A601 EXTERIOR & INTERIOR SCHEDULES & LEGENDS
- A602 DOOR & WINDOW SCHEDULES
- A603 DOOR HARDWARE SETS

INTERIOR ELEVATIONS

- A701 INTERIOR ELEVATIONS
- A702 INTERIOR ELEVATIONS
- A703 INTERIOR ELEVATIONS
- A704 INTERIOR ELEVATIONS
- T101 STRUCTURED CABLING MAIN FLOOR PLAN - REGION A
- T102 STRUCTURED CABLING MAIN FLOOR PLAN - REGION B
- T201 SECURITY MAIN FLOOR PLAN - REGION A
- T202 SECURITY MAIN FLOOR PLAN - REGION B
- T501 ICT DETAILS
- T702 ICT CLOSEUP 126 - ENLARGED DETAIL

FIRE PROTECTION

- F001 FIRE PROTECTION COVER SHEET
- F002 FIRE PROTECTION MAIN FLOOR DEMOLITION PLAN - REGION A
- F003 FIRE PROTECTION MAIN FLOOR DEMOLITION PLAN - REGION B
- F101 FIRE PROTECTION MAIN FLOOR REGION A PLAN
- F102 FIRE PROTECTION MAIN FLOOR REGION B PLAN

A9 SIGNAGE

- A901 MAIN FLOOR SIGNAGE PLAN - REGION A
- A902 MAIN FLOOR SIGNAGE PLAN - REGION B
- A903 INTERIOR SIGN TYPE DETAILS
- A904 INTERIOR SIGN TYPE DETAILS

GENERAL CONSTRUCTION NOTES

CONSTRUCTION DOCUMENTS:

1. THE CONSTRUCTION CONTRACT INCLUDES THE EXECUTED, SIGNED AGREEMENT BETWEEN THE OWNER AND THE CONTRACTOR, AND THE CONSTRUCTION DOCUMENTS, WHICH INCLUDES THE DRAWINGS, THE GENERAL CONDITIONS, THE COMPLIMENTARY CONDITIONS, AND THE SPECIAL CONDITIONS.

2. BY EXECUTION OF THE CONSTRUCTION CONTRACT, THE CONTRACTOR REPRESENTS THAT HE OR SHE HAS (1) READ AND UNDERSTOOD THE CONTRACT DOCUMENTS, AND (2) READ AND UNDERSTOOD THE LOCAL CONDITIONS UNDER WHICH THE WORK WILL BE PERFORMED.

3. THE CONTRACTOR AGREES TO FOLLOW THE CONSTRUCTION DOCUMENTS TO THE DESIGN OF THE PROJECT.

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5. CONTRACTOR IS TO COMPLETE THE VARIOUS DRAWINGS, INCLUDING BUT NOT LIMITED TO ARCHITECTURAL, STRUCTURAL, MECHANICAL, OR ELECTRICAL AND OTHER CONTRACT DOCUMENTS WITH THE EXISTING CONDITIONS AT THE PROJECT SITE BEFORE STARTING CONSTRUCTION. REPORT ERRORS, INCONSISTENCIES OR OMISSIONS DISCOVERED FOR CLARIFICATION OR CORRECTION.

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32. CONTRACTOR IS TO FOLLOW THE VARIOUS DRAWINGS, INCLUDING BUT NOT LIMITED TO ARCHITECTURAL, STRUCTURAL, MECHANICAL, OR

DEMOLITION GENERAL NOTES

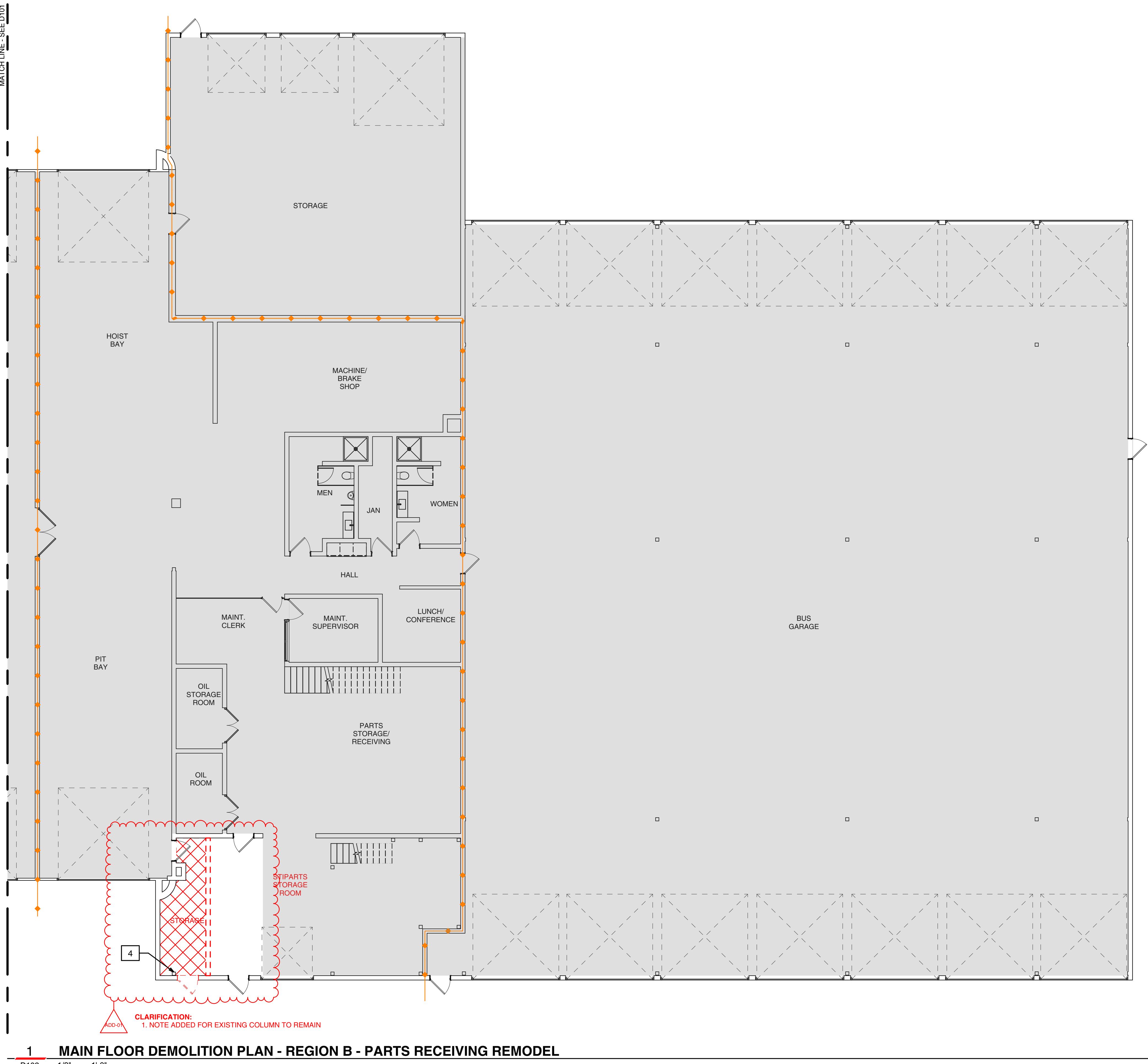
- A. NOT ALL DEMOLITION ITEMS ARE SPECIFICALLY NOTED
- B. "DEMOLISH" AND "DEMO" SHALL MEAN CAREFULLY REMOVE, DISMANTLE, SAWCUT, AND LEGALLY DISPOSE OF OFF-SITE ITEMS INDICATED.
- C. "PATCH" SHALL MEAN RESTORE FINISH TO SURFACES DAMAGED OR MARRED DURING DEMOLITION TO MATCH THE EXISTING, ADJACENT UNDAMAGED SURFACES TO REMAIN. PATCHING SHALL INCLUDE USING NEW SKIM-COAT, PAINTING AND NEW PAINTING TO A CLEAN LINE OF DEMARCTION. ALL PATCHING SHALL BE NEAT IN APPEARANCE AND CORRECTIONS SHALL BE MADE TO THE SATISFACTION OF THE ARCHITECT. IF A SUCCESSFUL MATCH CANNOT BE MADE ON GYPSUM BOARD OR OTHER WALL SURFACES, THE CONTRACTOR SHALL LAMINATE NEW GYPSUM WALL BOARD OVER THE EXISTING SURFACES AND MODIFY THE NEW WORK ACCORDINGLY TO PROVIDE AN ACCEPTABLE FINISHED APPEARANCE.
- D. DO NOT PERFORM DEMOLITION WORK BEYOND AREAS OR ITEMS INDICATED. CONTRACTOR SHALL BE FINANCIALLY RESPONSIBLE FOR REPLACING ITEMS OR RESTORING SURFACES ACCIDENTALLY DEMOLISHED BEYOND SCOPE OF DEMO WORK TO PRE-EXISTING CONDITIONS.
- E. SEE STRUCTURAL DRAWINGS FOR DETAILS AND PROCEDURES FOR THE DEMOLITION OF BUILDING SUPPORT ELEMENTS. EXCEPT AS INDICATED, DO NOT DEMOLISH CUT, OR IN ANY WAY MODIFY ANY STRUCTURAL ELEMENT WITHOUT FIRST CONTACTING THE ARCHITECT AND STRUCTURAL ENGINEER FOR ANALYSIS. CONTRACTOR SHALL BE FINANCIALLY RESPONSIBLE FOR RESTORING STRUCTURAL INTEGRITY TO STRUCTURAL ELEMENTS DEMOLISHED WITHOUT SUCH CONSULTATION.
- F. INSTALL AND MAINTAIN TEMPORARY WORK LIGHTING DURING DEMOLITION OPERATIONS.
- G. PRIOR TO DEMOLITION ACTIVITIES, REMOVE ELECTRICAL DEVICES, LIGHT FIXTURES, EQUIPMENT, ETC., AND DISCONNECT CONDUCTORS AT BOTH ENDS OF CIRCUITS FOR ELECTRICAL WORK PART OF CEILING OR WALL CONSTRUCTION INDICATED AS TO BE DEMOLISHED. IN CONSTRUCTION TO REMAIN, RETAIN ELECTRICAL DEVICES, CONDUIT, WIRING ETC., LABEL ALL CIRCUIT. CONTRACTOR SHALL BE FINANCIALLY RESPONSIBLE FOR RESTORING ELECTRICAL SERVICE TO AREAS ACCIDENTLY DEMOLISHED OR REMOVED DURING DEMOLITION ACTIVITIES. REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION AND REQUIREMENTS. REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL REQUIREMENTS FOR ELECTRICAL DEMOLITION.
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- I. REFER TO MECHANICAL DRAWINGS FOR ALL DEMOLITION WORK REQUIRED FOR INSTALLATION OF NEW MECHANICAL ITEMS.
- J. BIDDING: THE GENERAL CONTRACTOR AND BIDDING SUBCONTRACTORS ARE TO BE AWARE THAT THIS IS A REMODELING PROJECT IN AN EXISTING STRUCTURE AND TO EXPECT THAT UNKNOWN CONDITIONS WILL BE UNCOVERED AS PART OF DEMOLITION ACTIVITIES. SUBCONTRACTORS SHALL VISIT THE WORK AREA PRIOR TO PREPARING PRICING FOR THE PROJECT TO INVESTIGATE THE EXTENT AND TYPE OF MATERIALS AND BUILDING SYSTEMS THAT WILL NEED TO BE DEMOLISHED, AND TO BECOME FAMILAR WITH THE SURROUNDING SPACES, AREAS TO BE PROTECTED, STAGING AREAS, DUMPING COSTS/REGULATIONS, & THE EXISTING PROJECT CONDITIONS.
- K. PATCH ALL EXISTING SURFACES TO A LIKE NEW LOOK WHERE REQUIRED.
- L. SEE CIVIL DRAWINGS FOR SITE RELATED DEMOLITION ITEMS.
- M. MAINTAIN EXISTING FIRE RATINGS AS NOTED IN DEMO PLAN.

DEMOLITION PLAN LEGEND

	EXISTING WALL TO BE REMOVED
	EXISTING WALL TO REMAIN
	EXISTING DOOR TO BE REMOVED
	EXISTING FLOOR FINISH TO BE REMOVED
	EXISTING FLOOR FINISH & CEILINGS TO BE REMOVED
	EXISTING ROOF AND DECKING TO BE REMOVED. STRUCTURE TO REMAIN
	EXISTING KALWALL SKYLIGHT TO BE REMOVED.
	EXISTING 1 HR FIRE RATING TO BE MAINTAINED

DEMOLITION PLAN KEYNOTES

1. REMOVE EXISTING EXTERIOR WALL CLADDING DOWN TO EXISTING FRAMING.
2. DEMO EXISTING WALL FRAMING AS NECESSARY FOR NEW DOOR & WINDOWS. SEE PLANS / SCHEDULES FOR OPENING DIMENSIONS.
3. DISCONNECT CONTROLS AND PREPARE FOR NEW LOCATION PER ELECTRICAL.
4. EXISTING COLUMN TO REMAIN.
5. EXISTING CASEWORK TO BE REMOVED.
6. EXISTING PLUMBING FIXTURES TO BE REMOVED PER PLUMBING. LINES TO BE CAPPED.
7. EXISTING LOCKERS TO BE REMOVED AND RETAINED FOR REUSE.
8. EXISTING ELECTRICAL PANEL REMOVED AND RELOCATED PER ELECTRICAL.
9. EXISTING WINDOW, DOOR, AND NON-PRECAST CONCRETE WALL CONSTRUCTION TO BE REMOVED.
10. EXISTING WALL FRAMING TO BE REMOVED FOR NEW HALLWAY OPENING. SEE PROPOSED FLOOR PLANS / SECTIONS.
11. REMOVE EXISTING PARAPET CAP AND BLOCKING. PREPARE FOR NEW FRAMING ON TOP OF THE EXISTING WALL. SEE PROPOSED FLOOR PLANS / SECTIONS.



DEMOLITION GENERAL NOTES

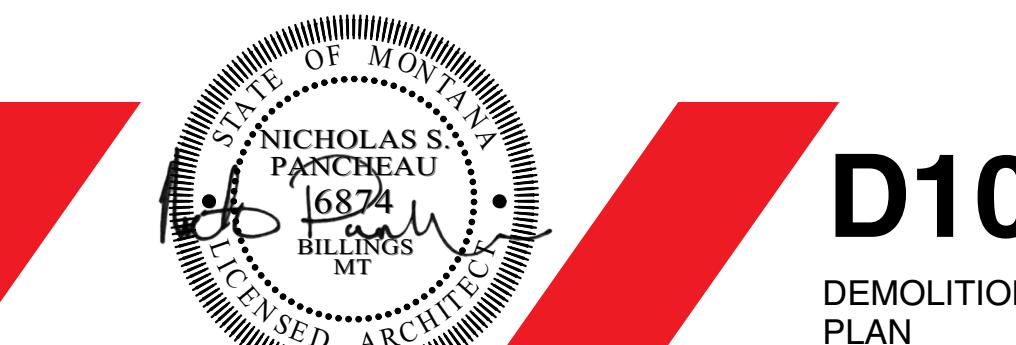
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- G. PRIOR TO DEMOLITION ACTIVITIES, REMOVE ELECTRICAL DEVICES, LIGHT FIXTURES, EQUIPMENT, ETC., AND DISCONNECT CONDUCTORS AT BOTH ENDS OF CIRCUITS FOR ELECTRICAL WORK PART OF CEILING OR WALL CONSTRUCTION INDICATED AS TO BE DEMOLISHED. IN CONSTRUCTION TO REMAIN, RETAIN ELECTRICAL DEVICES, CONDUIT, WIRING ETC., LABEL ALL CIRCUIT. CONTRACTOR SHALL BE FINANCIALLY RESPONSIBLE FOR RESTORING ELECTRICAL SERVICE TO AREAS ACCIDENTLY DEMOLISHED OR REMOVED DURING DEMOLITION ACTIVITIES. REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION AND REQUIREMENTS. REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION AND REQUIREMENTS. REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION AND REQUIREMENTS.
- H. SHOULD SUSPECTED HAZARDOUS MATERIALS OR SUBSTANCES BE DISCOVERED AS PART OF THE DEMOLITION WORK, NOTIFY THE ARCHITECT AND OWNER/DEMOLITION CONTRACTOR IMMEDIATELY. ARRANGEMENTS SHALL BE MADE FOR THE ADDITIONAL SAMPLING AND TESTING OF MATERIALS.
- I. REFER TO MECHANICAL DRAWINGS FOR ALL DEMOLITION WORK REQUIRED FOR INSTALLATION OF NEW MECHANICAL ITEMS.
- J. BIDDING: THE GENERAL CONTRACTOR AND BIDDING SUBCONTRACTORS ARE TO BE AWARE THAT THIS IS A REMODELING PROJECT IN AN EXISTING STRUCTURE AND TO EXPECT THAT UNKNOWN CONDITIONS WILL BE UNCOVERED AS PART OF DEMOLITION ACTIVITIES. SUBCONTRACTORS SHALL VISIT THE WORK AREA PRIOR TO PREPARING PRICING FOR THE PROJECT TO INVESTIGATE THE EXTENT AND TYPE OF MATERIALS AND BUILDING SYSTEMS THAT WILL NEED TO BE DEMOLISHED, AND TO BECOME FAMILAR WITH THE SURROUNDING SPACES, AREAS TO BE PROTECTED, STAGING AREAS, DUMPING COSTS/REGULATIONS, & THE EXISTING PROJECT CONDITIONS.
- K. PATCH ALL EXISTING SURFACES TO A LIKE NEW LOOK WHERE REQUIRED.
- L. SEE CIVIL DRAWINGS FOR SITE RELATED DEMOLITION ITEMS.
- M. MAINTAIN EXISTING FIRE RATINGS AS NOTED IN DEMO PLAN.

DEMOLITION PLAN LEGEND

	EXISTING WALL TO BE REMOVED
	EXISTING WALL TO REMAIN
	EXISTING DOOR TO BE REMOVED
	EXISTING FLOOR FINISH TO BE REMOVED
	EXISTING FLOOR FINISH & CEILINGS TO BE REMOVED
	EXISTING ROOF AND DECKING TO BE REMOVED. STRUCTURE TO REMAIN
	EXISTING KALWALL SKYLIGHT TO BE REMOVED.
	EXISTING 1 HR FIRE RATING TO BE MAINTAINED

DEMOLITION PLAN KEYNOTES

1. REMOVE EXISTING EXTERIOR WALL CLADDING DOWN TO EXISTING FRAMING.
2. DEMO EXISTING WALL FRAMING AS NECESSARY FOR NEW DOOR & WINDOWS. SEE PLANS / SCHEDULES FOR OPENING DIMENSIONS.
3. DISCONNECT CONTROLS AND PREPARE FOR NEW LOCATION PER ELECTRICAL.
4. EXISTING COLUMN TO REMAIN.
5. EXISTING CASEWORK TO BE REMOVED.
6. EXISTING PLUMBING FIXTURES TO BE REMOVED PER PLUMBING. LINES TO BE CAPPED.
7. EXISTING LOCKERS TO BE REMOVED AND RETAINED FOR REUSE.
8. EXISTING ELECTRICAL PANEL REMOVED AND RELOCATED PER ELECTRICAL.
9. EXISTING WINDOW, DOOR, AND NON-PRECAST CONCRETE WALL CONSTRUCTION TO BE REMOVED.
10. EXISTING WALL FRAMING TO BE REMOVED FOR NEW HALLWAY OPENING. SEE PROPOSED FLOOR PLANS / SECTIONS.
11. REMOVE EXISTING PARAPET CAP AND BLOCKING. PREPARE FOR NEW FRAMING ON TOP OF THE EXISTING WALL. SEE PROPOSED FLOOR PLANS / SECTIONS.
12. REMOVE EXISTING FLAG POLE ATTACHED TO EXTERIOR WALL.



1 ROOF DEMOLITION PLAN

D103 3/32" = 1'-0"



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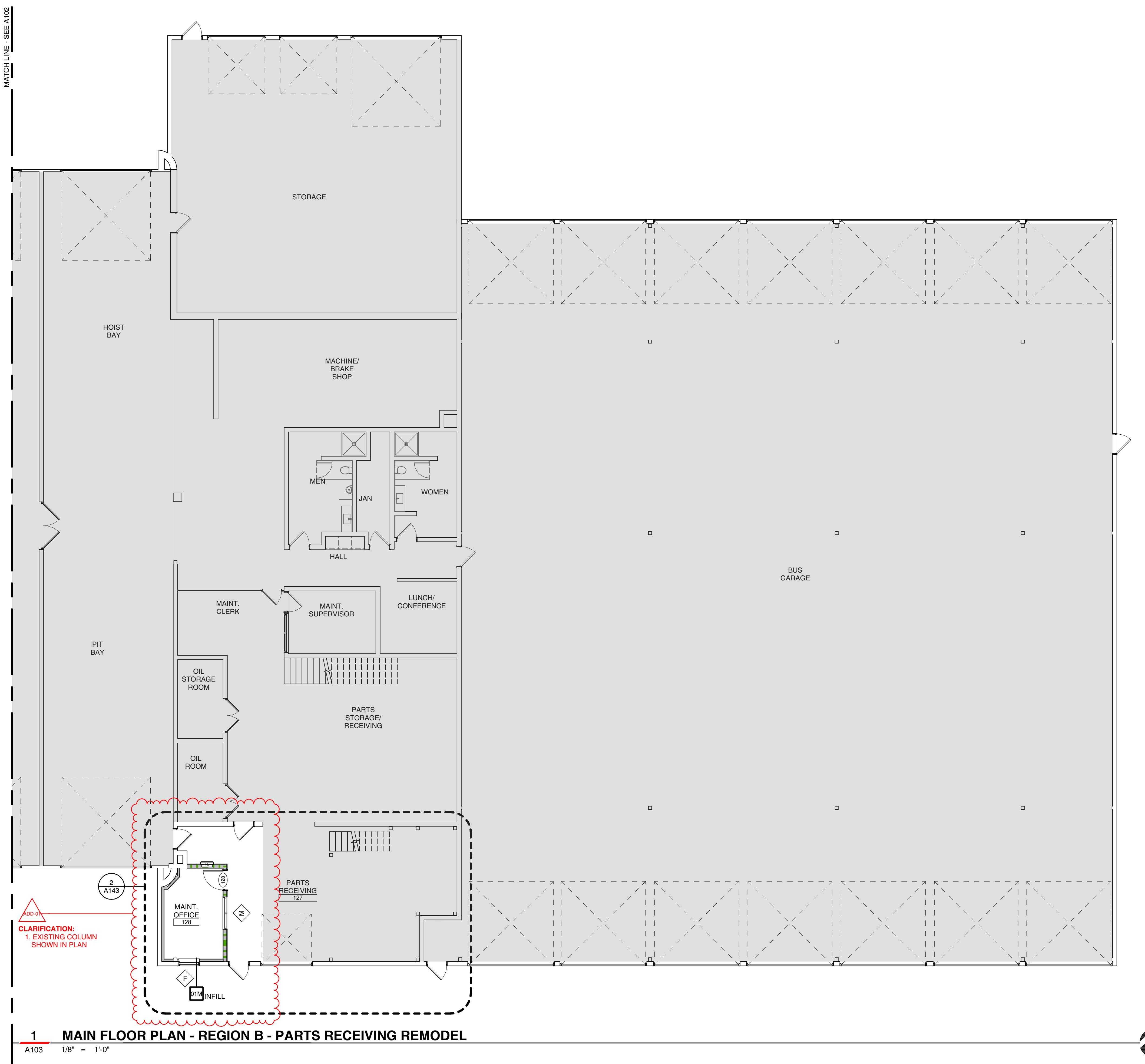
1705 MONAD RD, BILLINGS, MT 59101

PREPARED FOR: CITY OF BILLINGS MET TRANSIT

PROJECT ARCHITECT: NICK PANCHEAU, AIA

PROJECT NUMBER: 2329

ADDENDUM 01



FLOOR PLAN GENERAL NOTES	
A.	FIRE EXTINGUISHER CABINETS RECESSED OR SEMI-RECESSED IN RATED ASSEMBLY MUST COMPLY WITH THAT ASSEMBLY'S RATING.
B.	FRAME OF INTERIOR DOORS NOT DIMENSIONED TO BE 4" FROM CORNER OF WALL. FRAME OF EXTERIOR DOORS NOT DIMENSIONED TO BE 6" FROM CORNER OF WALL.
C.	WHERE WALL THICKNESS CHANGES IN THE SAME WALL PLANE, KEEP FRAMING ALIGNED AND ADD FINISH MATERIAL NECESSARY TO KEEP FLUSH UNLESS OTHERWISE NOTED.
D.	CONCRETE FOUNDATION WALLS TO HAVE EXTERIOR INSULATION PER WALL SECTIONS.
E.	7. ALL WALLS TO CONTINUE TO UNDERSIDE OF ROOF/FLOOR DECKING THAT: 1) PROVIDE SHEAR STRENGTH PER STRUCTURAL 2) ACOUSTIC RATING PER A502 3) FIRE/SMOKE RATING PER A502 4) SPECIFICALLY NOTED ON ENLARGED PLANS

PARTITION GRAPHIC LEGEND	
GRAPHIC	DESCRIPTION
	3 HOUR RATING
	2 HOUR RATING
	1 HOUR RATING
	30 MIN RATING
	SOUND PARTITION
	PRIORITY HIGH LOW

- SEE SHEET G005 FOR DIFFERENTIATIONS BETWEEN FIRE BARRIERS AND PARTITIONS AND THEIR GENERAL LOCATIONS.
- HIGH PRIORITY PARTITIONS ARE LISTED FIRST IN THE LEGEND. SUBSEQUENT PARTITIONS DECREASE IN PRIORITY. HIGHER PRIORITY WALLS TAKE PRECEDENCE AND REMAIN CONTINUOUS WHEN INTERSECTED BY LESSER PRIORITY WALLS.
- WALL TYPES ARE INDICATED PER TAGS ON PLAN.

FLOOR PLAN LEGEND	
	5LB A-B-C FIRE EXTINGUISHER IN SEMI RECESSED CABINET
	NEW ELECTRICAL PANEL PER ELECTRICAL
	AREA NOT IN PROJECT SCOPE. NO ALTERATIONS

FLOOR PLAN KEYNOTES	
1.	ALIGN FACE OF WALL FRAMING WITH END OF EXISTING PRECAST WALL.
2.	ALIGN FACE OF WALL FRAMING WITH FACE OF EXISTING COLUMN.
3.	ALIGN FACE OF WALL FRAMING WITH FACE OF EXISTING WALL FRAMING.
4.	ADD ADDITIONAL FINISH MATERIAL NECESSARY TO EXISTING WALL FRAMING TO MATCH ACOUSTIC SEPARATION OF NEW WALL TYPE.
5.	ADD INSULATION TO MATCH WALL TYPE 15H UNLESS EXISTING ASSEMBLY HAS INSULATION.
6.	VERIFY FURRING WALL FRAMING DIMENSIONS WITH EXISTING CONDITIONS.
7.	FUR OUT WALL ASSEMBLY AS NECESSARY TO BE FLUSH WITH ADJACENT EXISTING WALL FINISH

RCP GENERAL NOTES

A. COORDINATE CEILING HEIGHTS WITH ALL MECHANICAL EQUIPMENT AND ELECTRICAL SYSTEMS. WHERE LIGHTING CONFLICTS OCCUR WITH MECHANICAL, ARCHITECTURAL LIGHTING LOCATIONS TAKE PRECEDENCE.
B. ROOF STRUCTURE, MECHANICAL DUCTS, PIPING, ETC ABOVE ACT-3 TO BE PAINTED WITH DRYFALL PAINT COLOR PNT-3 UNLESS OTHERWISE NOTED.

RCP LEGEND

	PNT-1: GYPSUM BOARD CEILING
	ACT-1: ACOUSTIC CEILING TILE HATCH PLACEMENT INDICATES GRID INSTALLATION
	ACT-2: ACOUSTIC CEILING PANELS - BASIS OF DESIGN
	PLAM-1: PLASTIC LAMINATE
	ACT-3: CEILING LOUVERS
	MTR-2: LINEAR METAL SOFFIT HATCH INDICATES INSTALLATION DIRECTION
	8'-0"
	ILLUMINATED EXIT SIGNAGE ARROWS PER DIRECTION OF EGRESS
	LIGHTING PER ELECTRICAL SEE ELECTRICAL FOR FIXTURE INFORMATION
	CEILING MECHANICAL EQUIPMENT PER MECHANICAL SEE MECHANICAL FOR DETAILED INFORMATION

2329 - BILLINGS MET ADDITION

TRUS MONAD RD, BILLINGS, MT 59101

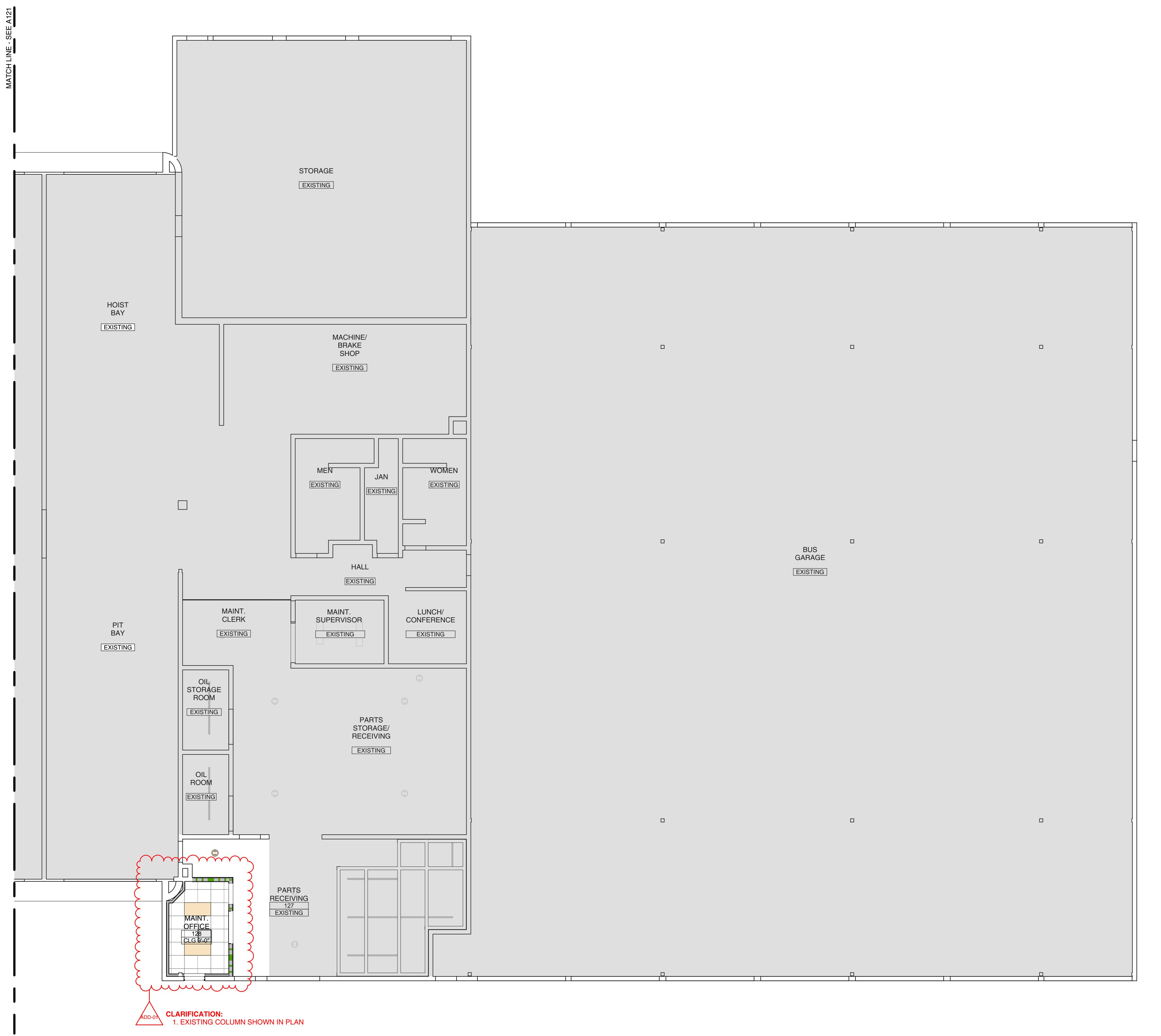
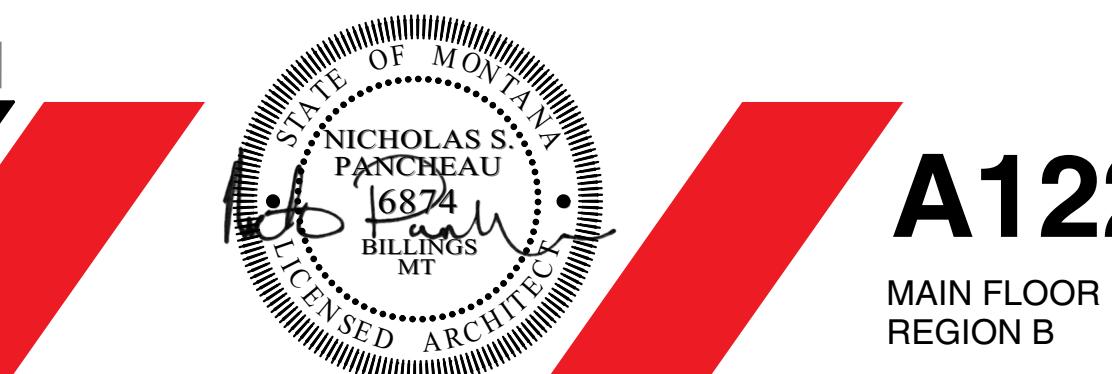
www.d5mt.com

2289 GRANT ROAD, SUITE C

BILLINGS, MT 59102 406.248.4443

RCP KEYNOTES

1. BULKHEAD / SOFFIT, 8'-0" AFF
2. BULKHEAD / SOFFIT, 9'-0" AFF
3. BULKHEAD / SOFFIT, 8'-10" AFF
4. BULKHEAD / SOFFIT, 8'-6" AFF
5. SOFFIT TO T.O. CABINET
6. STEEL BEAM PER STRUCTURAL, PNT-3
7. EXTERIOR LOUVER SUNSHADE SYSTEM PER DETAILS.
8. EXTERIOR DOWNSPOUT LOCATION TO BE COORDINATED WITH SOFFIT FINISH. SEE DETAIL 2/A523.
9. EXISTING EXTERIOR DUCTWORK TO REMAIN PER MECHANICAL.



1 MAIN FLOOR REFLECTED CEILING PLAN - REGION B - PARTS RECEIVING REMODEL

A122 1/8" = 1'-0"



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ADDENDUM 01

BILLINGS MET ADDITION

1705 MONAD RD, BILLINGS, MT 59101

PREPARED FOR: CITY OF BILLINGS MET TRANSIT

PROJECT ARCHITECT: NICK PANCHEAU, AIA

PROJECT NUMBER: 2329

A122

MAIN FLOOR RCP -
REGION B

FINISH PLAN GENERAL NOTES

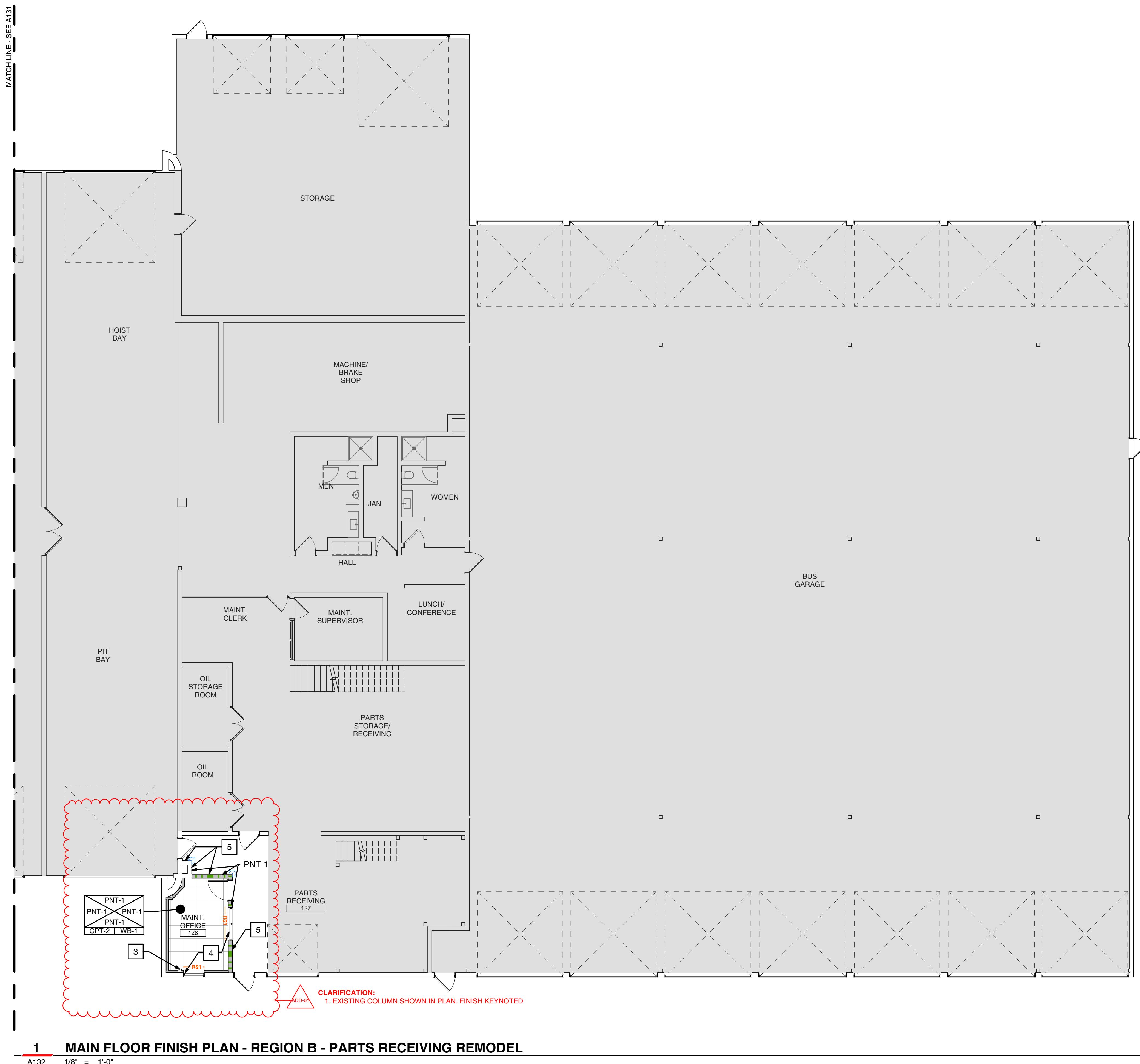
- A. ALL COLOR, MATERIAL AND FINISH APPLICATIONS TO BE APPROVED BY THE OWNER AND THE ARCHITECT PRIOR TO APPLICATION. THE CONTRACTOR SHALL PROVIDE SAMPLES FOR REVIEW AND APPROVAL.
- B. ALL FINISHES SHALL BE APPLIED ACCORDING TO MANUFACTURER SPECIFICATIONS. CONTRACTORS SHALL COORDINATE APPLICATIONS WITH OTHER TRADES TO AVOID DAMAGE TO OTHER BUILDING SYSTEMS.
- C. ALL GROUT USED IN WALL TILES SHALL BE EPOXY GROUT BY MERCERITE OR LATICRETE.
- D. THE CONTRACTOR SHALL VERIFY THE AS-BUILT CONDITIONS PRIOR TO MILLWORK FABRICATION AND PRODUCT PLACEMENT. AREAS FOR MILLWORK, AND PLUMBING FIXTURES/ACCESSORIES SHALL BE MEASURED, ELECTRICAL/PLUMBING LOCATIONS SHALL BE COORDINATED WITH SUBCONTRACTORS TO INSURE PROPER INSTALLATION.
- E. ALL CABINET BOXES, DRAWERS & INTERIOR SHELVES SHALL BE MANUFACTURED FROM WHITE-COLORED MELAMINE. DRAWER BOXES SHALL BE DOWELED & GLUED PER MANUFACTURER'S REQUIREMENTS. DRAWER & CABINET DOOR FRONTS SHALL BE CONSTRUCTED OF MDF MATERIALS AS SPECIFIED PER FINISH SPECIFICATIONS ON ALL SIDES. DRAWERS & DOORS SHALL INCLUDE SOLID WOOD TRIM AND PULLS. GLIDES FOR DRAWER GUIDES SHALL BE MOUNTED ON THE BOTTOM SURFACE OF THE DRAWER.
- F. SUB-CONTRACTOR TO VERIFY INTERIOR DETAILS AND CONFIRM THAT ALL MATERIALS SPECIFIED CAN BE USED IN THE APPLICATIONS AS DESIGNED BY THE ARCHITECT PRIOR TO MATERIAL ACQUISITION OR FABRICATION. ANY MATERIALS THAT CAN NOT BE USED AS DESIGNED WITHOUT VOIDING MANUFACTURER'S WARRANTY SHALL BE RE-SELECTED BY THE ARCHITECT.
- G. ALL EXPOSED PIPES TO BE PAINTED ADJACENT WALL COLOR.
- H. ELECTRICAL WALL/SWITCH PLATES AND OUTLETS SHALL BE WHITE.
- I. ALL WALLS IN ALL BATHROOMS WILL HAVE TILE FROM THE FLOOR TO A 5'-0" HEIGHT, UNLESS OTHERWISE NOTED BY THE ARCHITECT.
- J. ALL RESTROOM AND SHOWER TILE FLOORS SHALL SLOPE TO DRAIN AT AN ACCESSIBLE COMPLIANT SLOPE.
- K. FINISH FLOORING TO CONTINUE UNDER COUNTERS, APPLIANCES, AND EQUIPMENT. FINISH FLOORING TO TERMINATE AT BASE OF CASEWORK PER CASEWORK DETAILS.
- L. FLOORING TRANSITION STRIPS SHALL BE APPLIED AT DOOR LEAF AT LOCATION NOTED BY FINISH PLANS.
- M. ALL WINDOWS TO HAVE GINGERED GYPSUM SILL COVERS. WALL FINISH EACH BOX CORRESPONDS TO THE 4 MAIN WALLS WITHIN THE ROOM.

FINISH PLAN LEGEND

CASEWORK DETAILS	DOOR LEAF
L	FLOORING TRANSITION STRIPS SHALL BE APPLIED AT
M	ALL WINDOWS TO HAVE GINGERED GYPSUM SILL COVERS. WALL FINISH EACH BOX CORRESPONDS TO THE 4 MAIN WALLS WITHIN THE ROOM.
FLOOR FINISH	BASE MOLDING
	NOTE: - INDICATES NO MATERIAL OR FINISH REQUIRED IN THE FIELD
	NOTE: -- INDICATES ADDITIONAL DETAIL PER INTERIOR ELEVATION
SEE A601 FOR MATERIAL SCHEDULES	
CPT1: 6" x 48" CARPET TILES	INSTALLATION METHOD AND DIRECTION INDICATED BY HATCH
CPT2: 6" x 48" CARPET TILES	INSTALLATION METHOD AND DIRECTION INDICATED BY HATCH
LVT1: 6" x 48" LUXURY VINYL TILES	INSTALLATION METHOD AND DIRECTION INDICATED BY HATCH
TILE-1: 12" x 24" FLOOR TILE	INSTALLATION METHOD AND DIRECTION INDICATED BY HATCH
— R81 — R81 —	RS-1: MANUAL ROLLER SHADES
— R82 — R82 —	RS-2: MOTORIZED ROLLER SHADES
CG-1: CORNER GUARD LOCATIONS	
TS-1: TRANSITION STRIPS	CENTER ALIGN TRANSITION ON DOOR LEAF

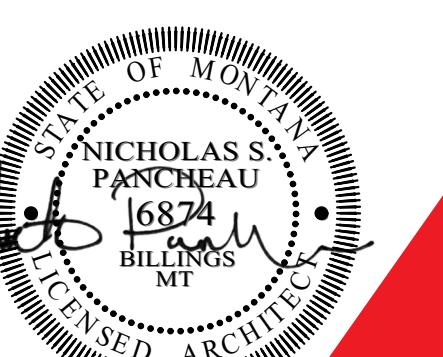
FINISH PLAN KEYNOTES

1. TRANSITION STRIP ONLY NECESSARY IF ADD ALT 01 IS NOT ACCEPTED
2. SLOPE FLOOR TO DRAIN PER PLUMBING. SLOPE TO MEET ADA REQUIREMENTS
3. EXPOSED COLUMN PER STRUCTURAL. PAINT PNT-1
4. SOLID WOOD SILL FINISHED PNT-1 PER OPENING DETAILS ON A500 SHEETS
5. PROVIDE WB-1 AT B.O. OF WALL INDICATED
6. CORNER GUARDS ON BOTH OUTSIDE CORNERS OF WALL.
7. CLERESTORY WINDOW SHADES AS INDICATED ON PLAN. SEE 3/A102 FOR CLERESTORY WINDOW PLAN.



1 MAIN FLOOR FINISH PLAN - REGION B - PARTS RECEIVING REMODEL

A132 1/8" = 1'-0"



ADDENDUM 01

BILLINGS MET ADDITION
1705 MONAD RD, BILLINGS, MT 59101

PREPARED FOR: CITY OF BILLINGS MET TRANSIT

PROJECT ARCHITECT: NICK PANCHEAU, AIA

PROJECT NUMBER: 2329



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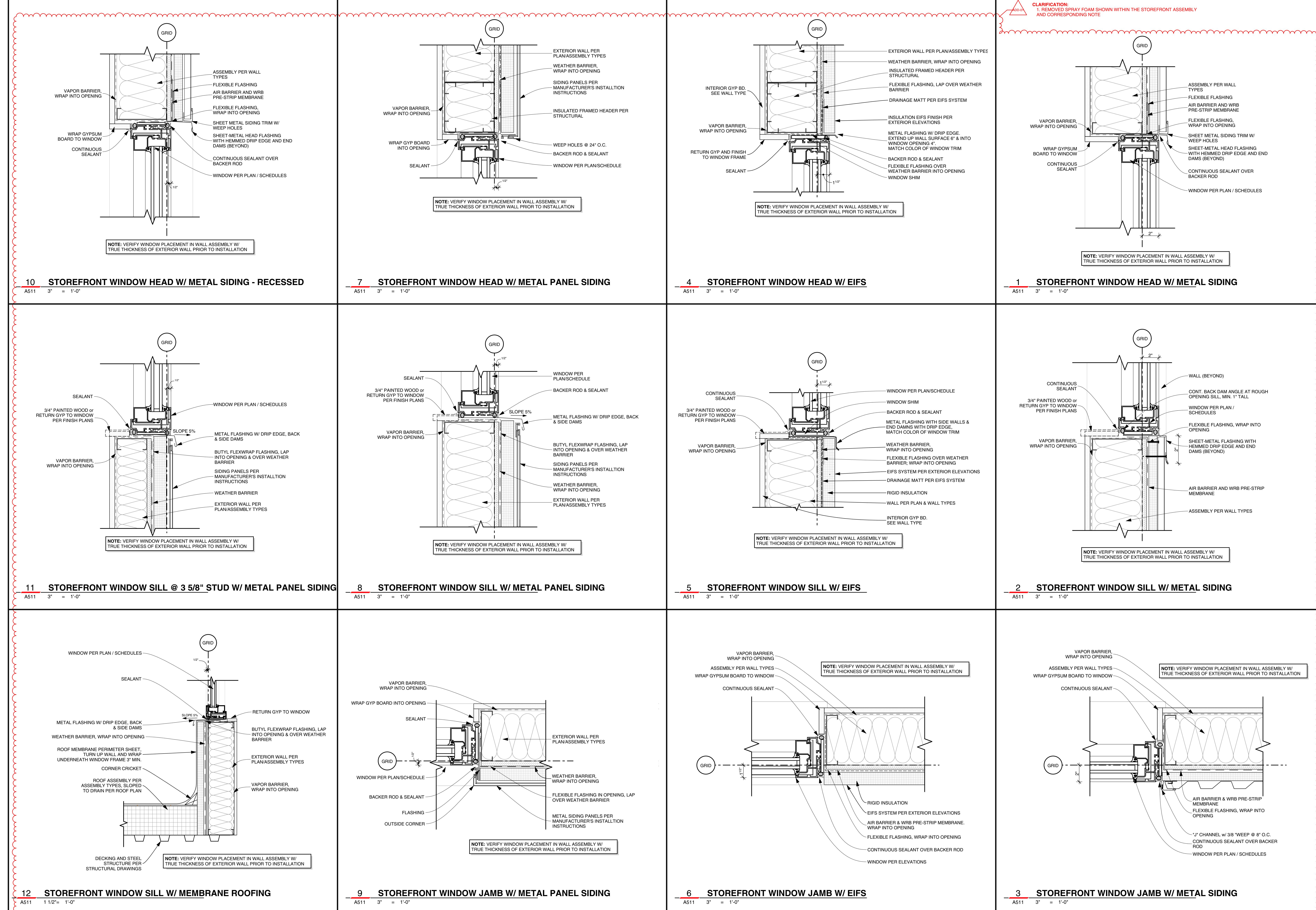
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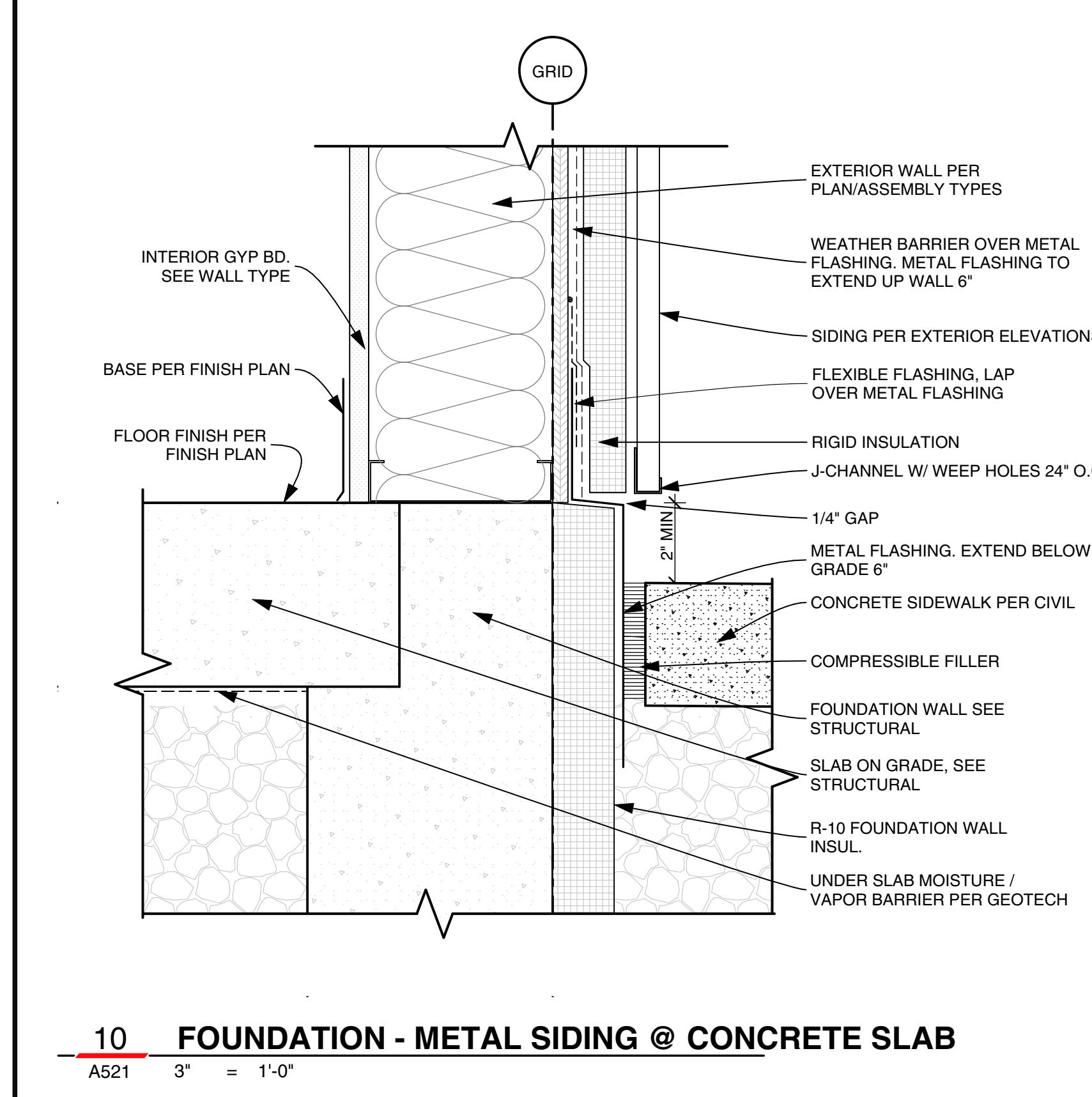
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A132

MAIN FLOOR FINISH
PLAN - REGION B



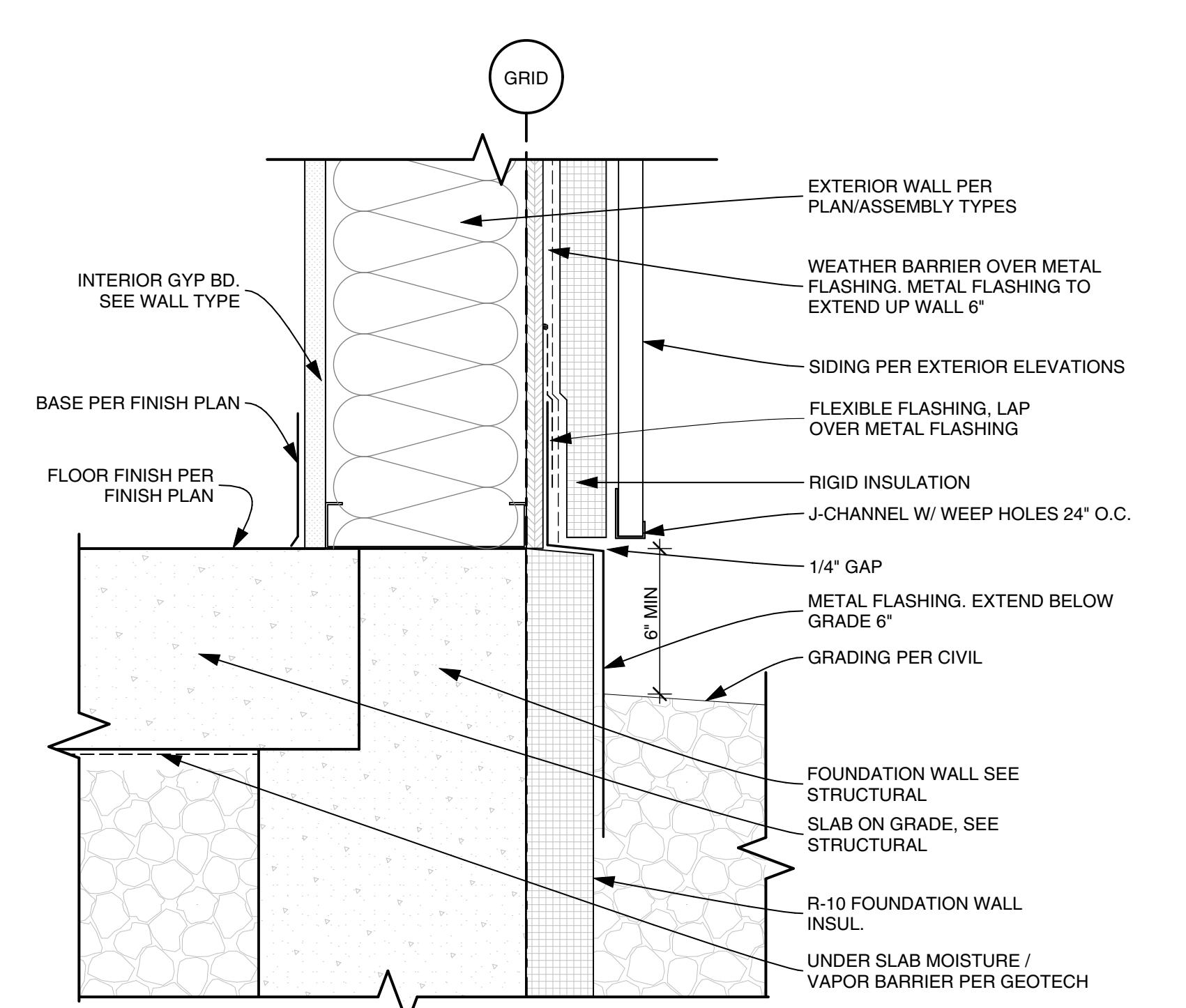


10 FOUNDATION - METAL SIDING @ CONCRETE SLAB

A521

3"

= 1'-0"

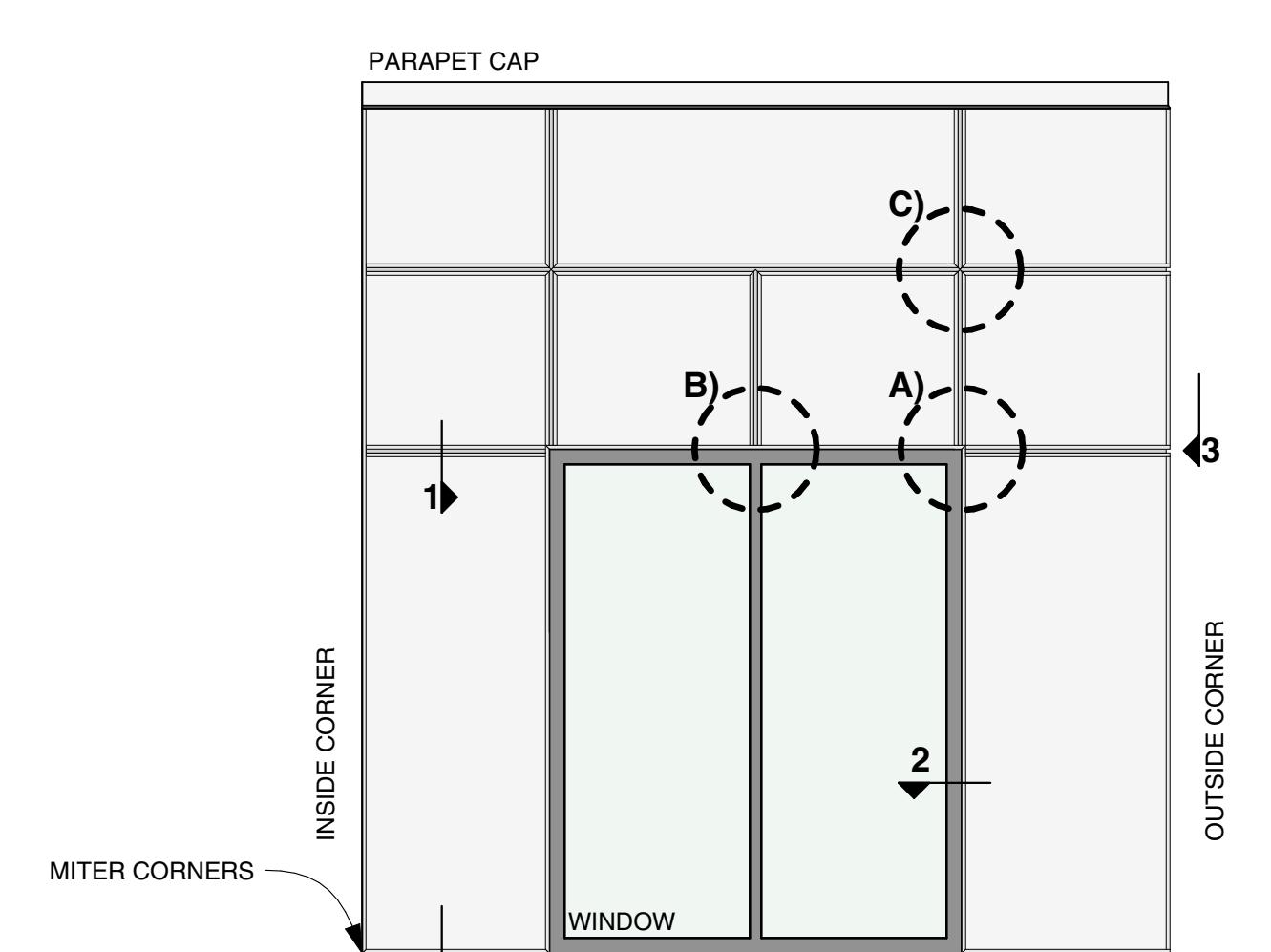


7 FOUNDATION - METAL SIDING

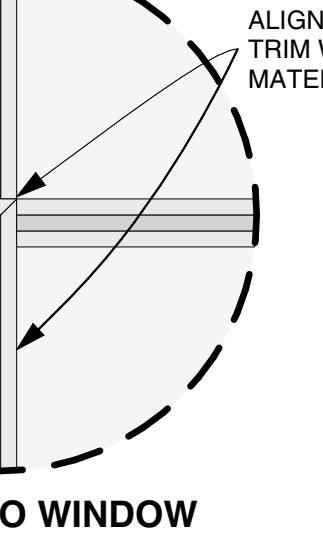
A521

3"

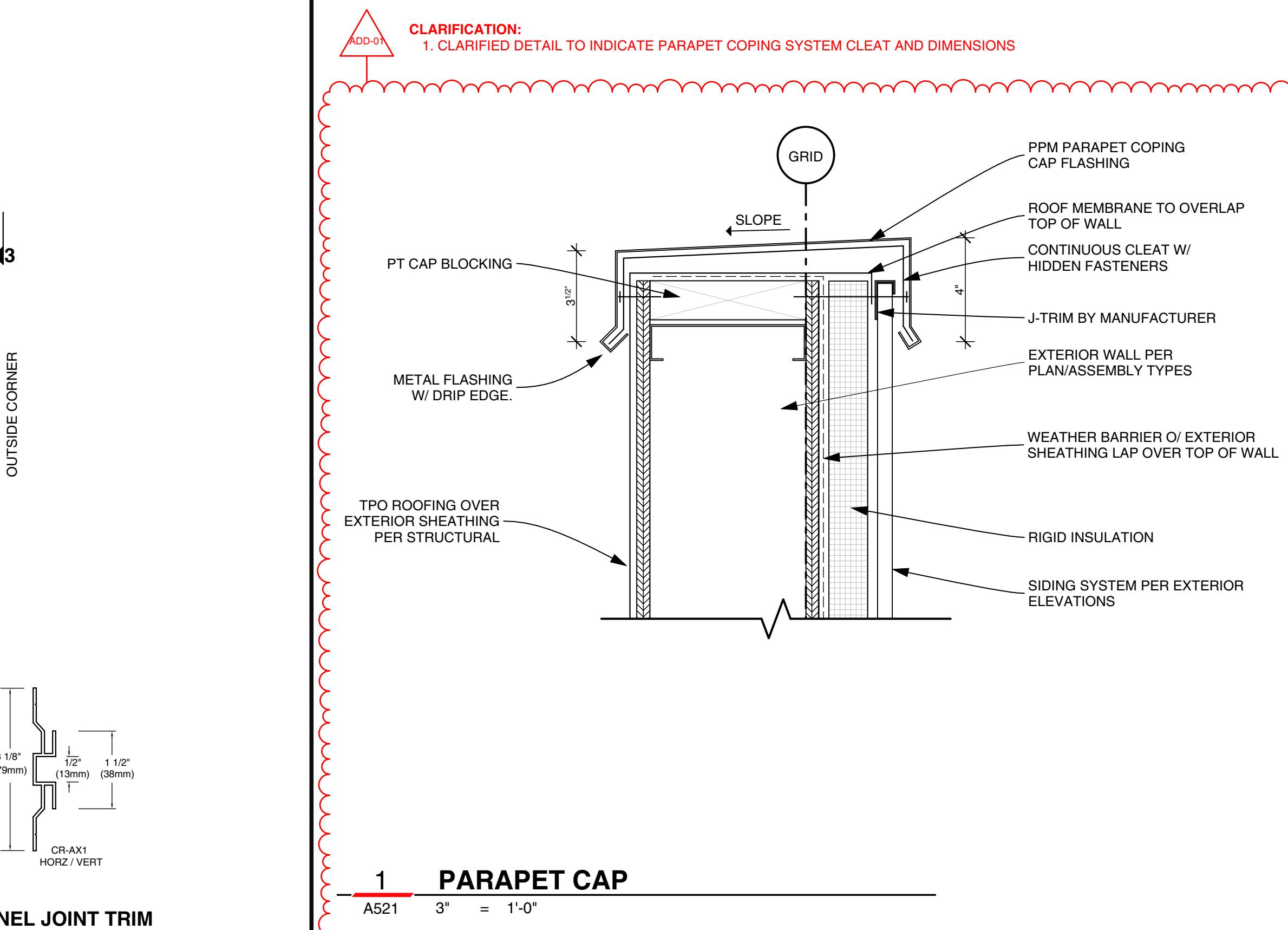
= 1'-0"



SAMPLE ELEVATION



A) ALIGN TO WINDOW

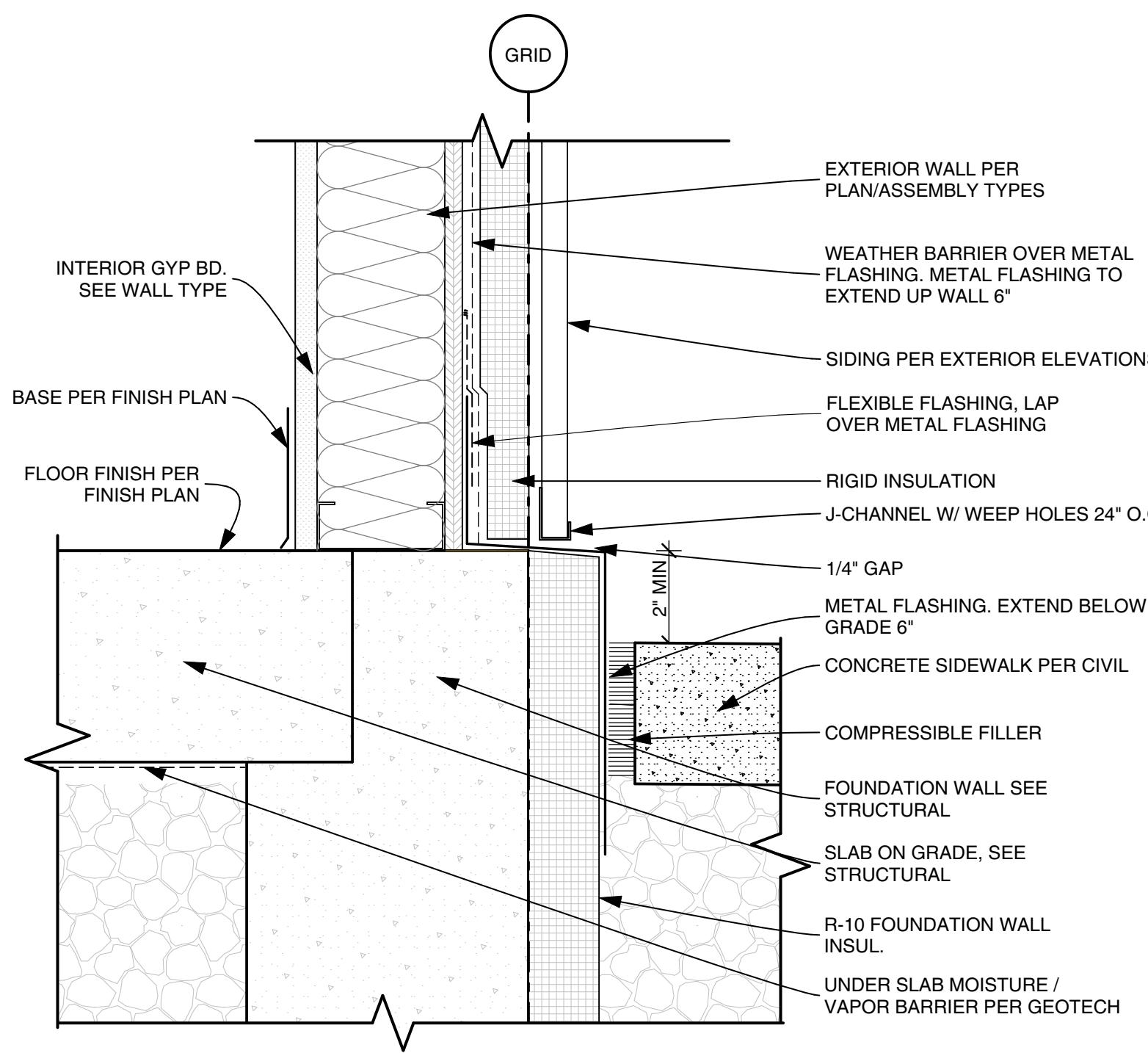


1 PARAPET CAP

A521

3"

= 1'-0"

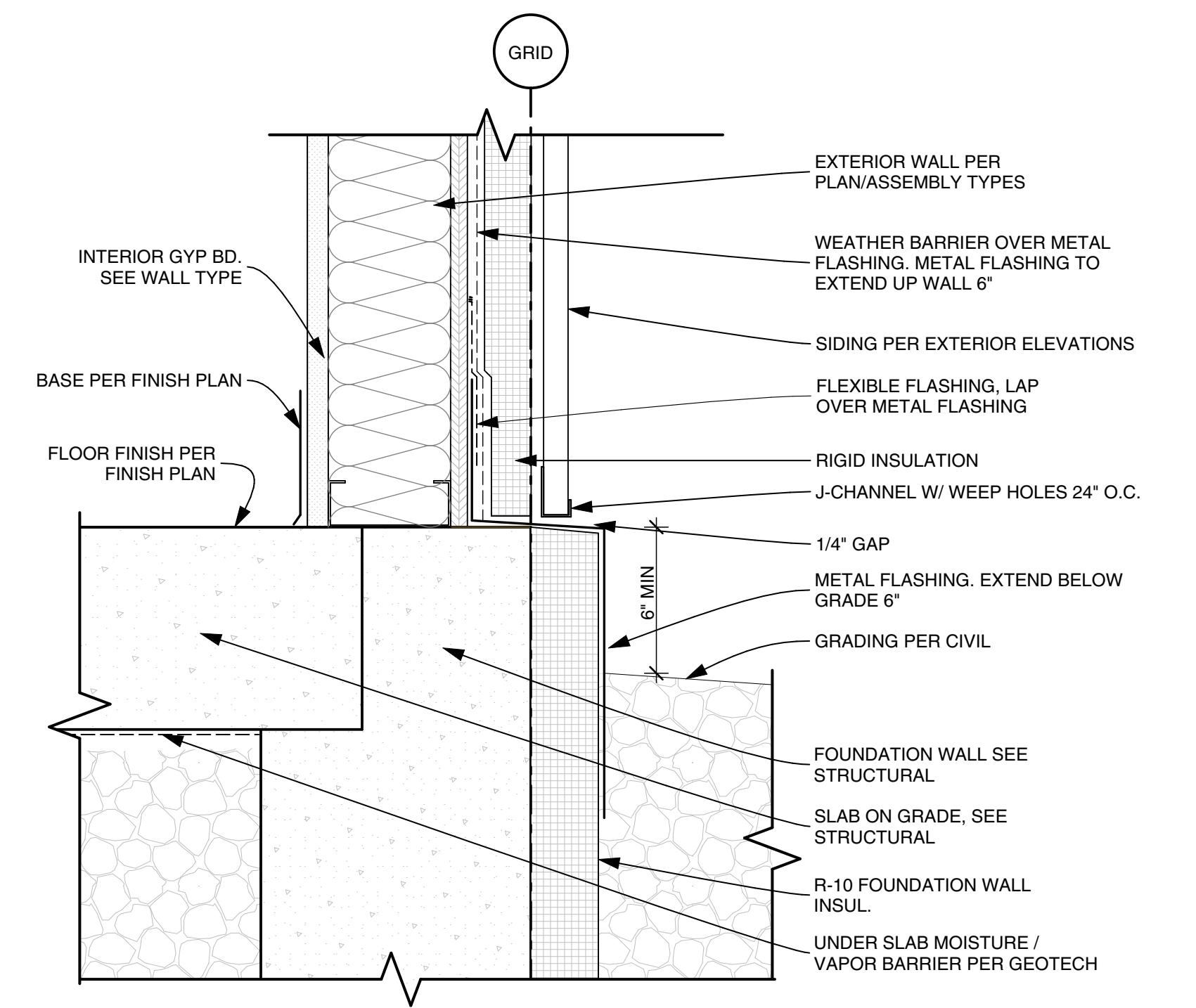


11 FOUNDATION - METAL SIDING @ CONCRETE SLAB - RECESSED

A521

3"

= 1'-0"

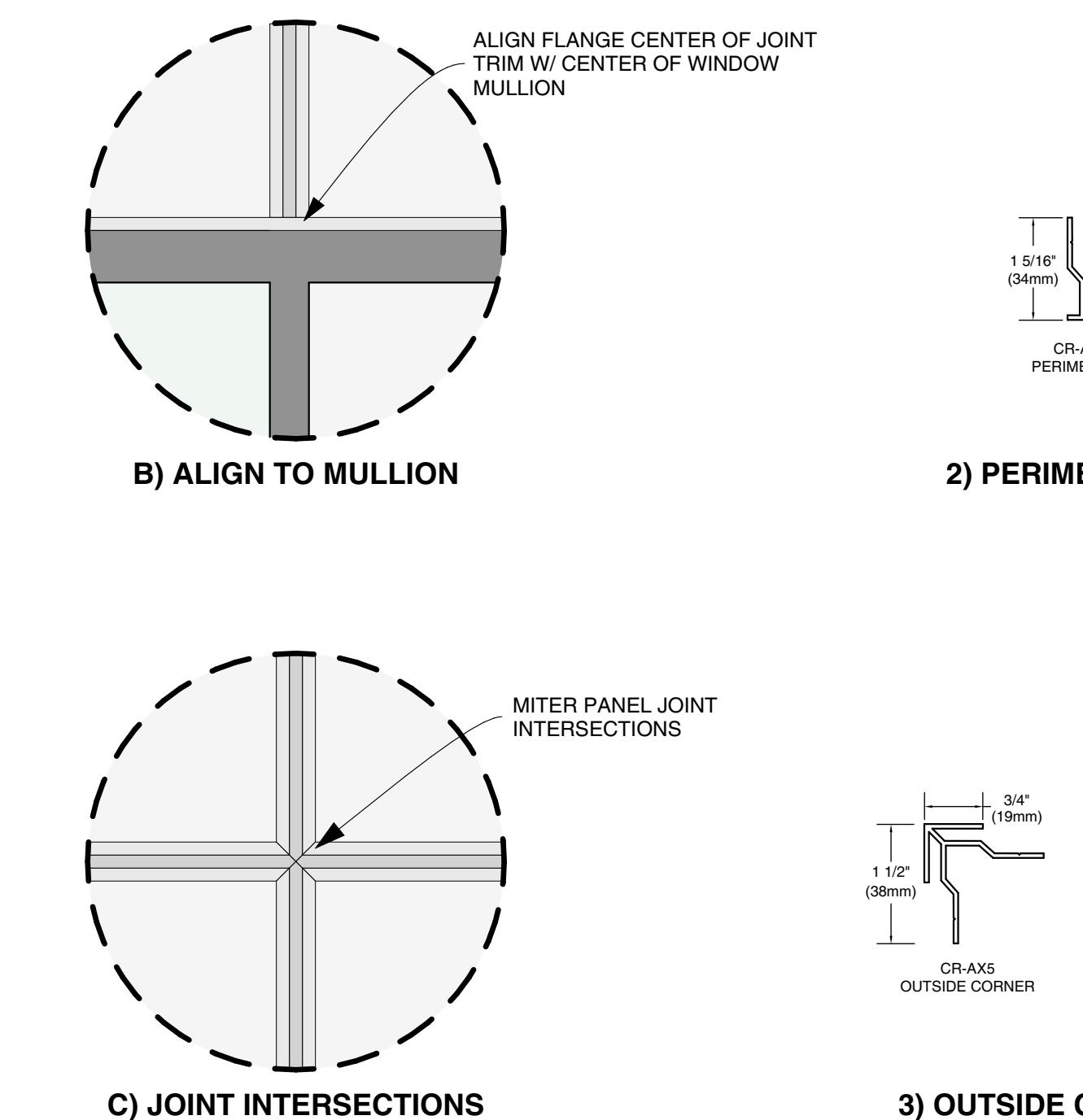


8 FOUNDATION - METAL SIDING - RECESSED

A521

3"

= 1'-0"

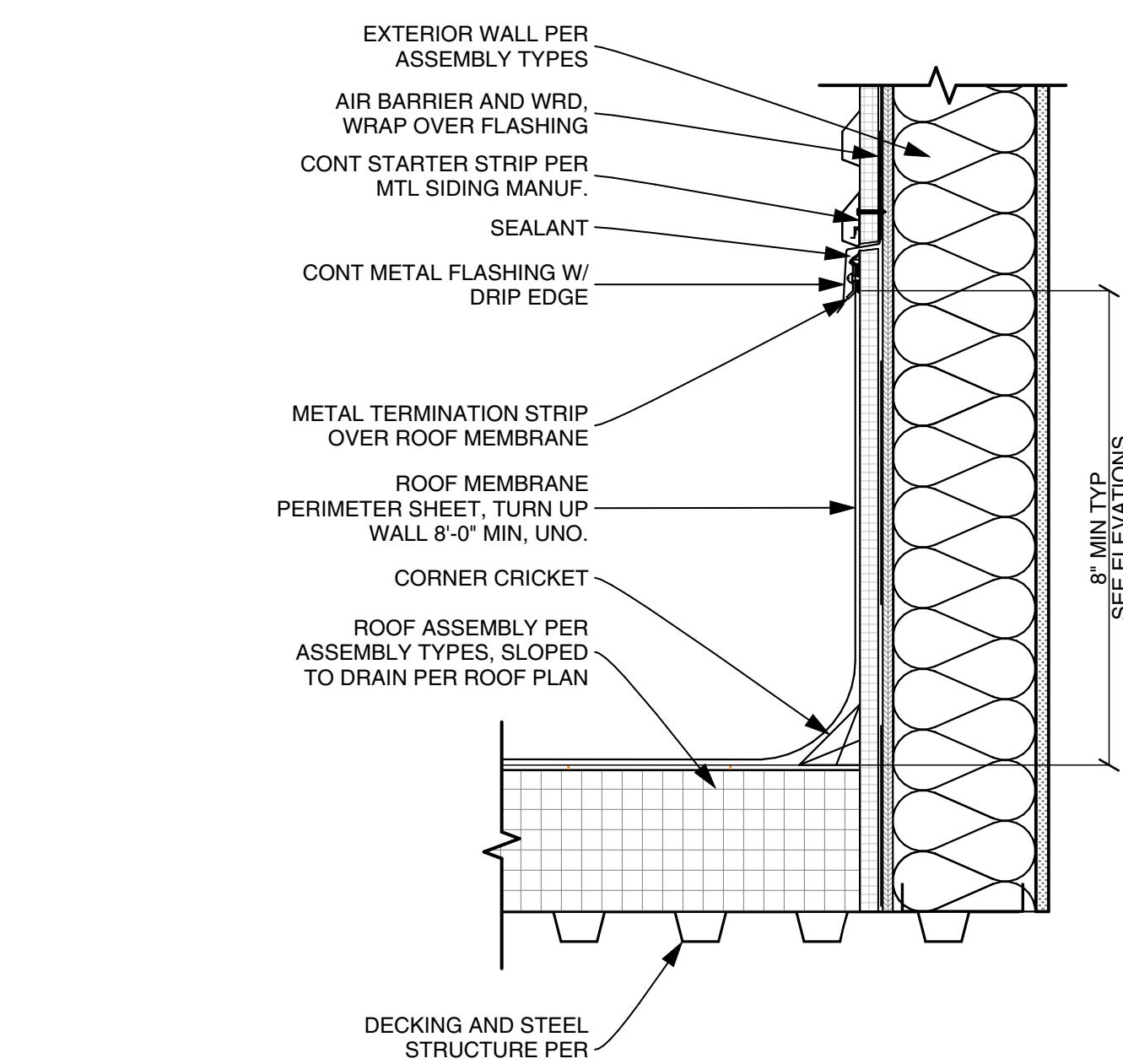


4 METAL PANEL SIDING TRIM & ALIGNMENT

A521

1/2"

= 1'-0"

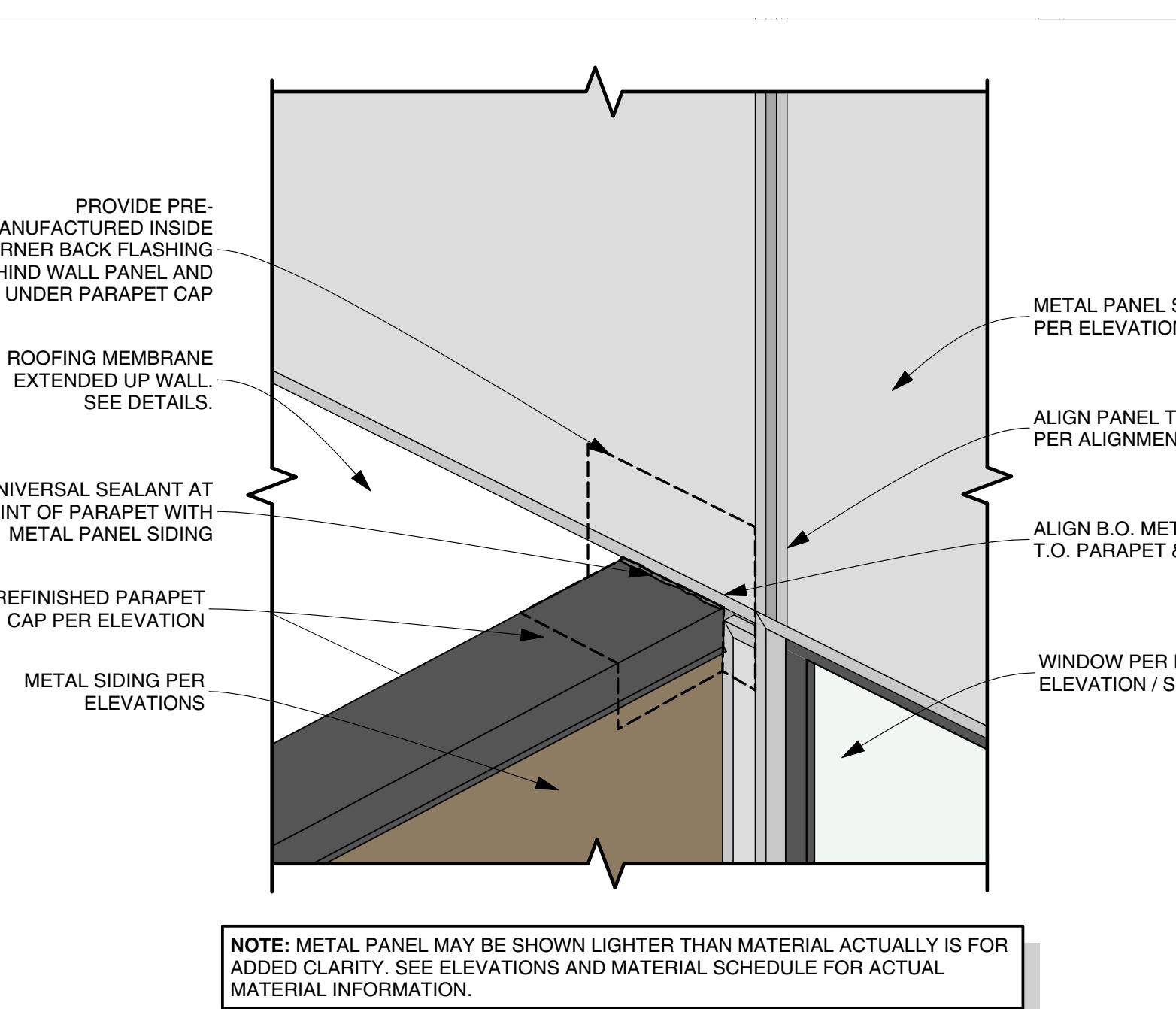


2 METAL SIDING AT ROOF

A521

1 1/2"

= 1'-0"

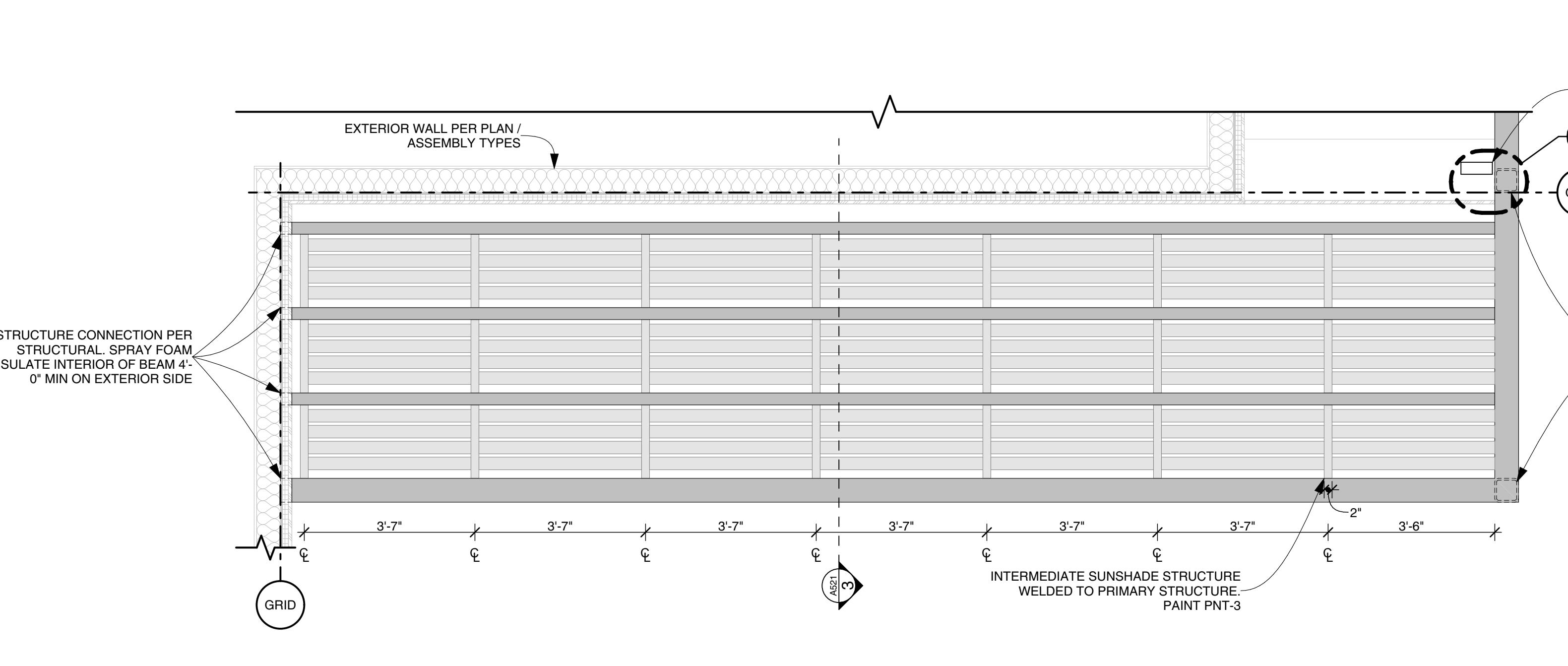


12 PARAPET TO WALL CONNECTION AXON

A521

1"

= 1'-0"

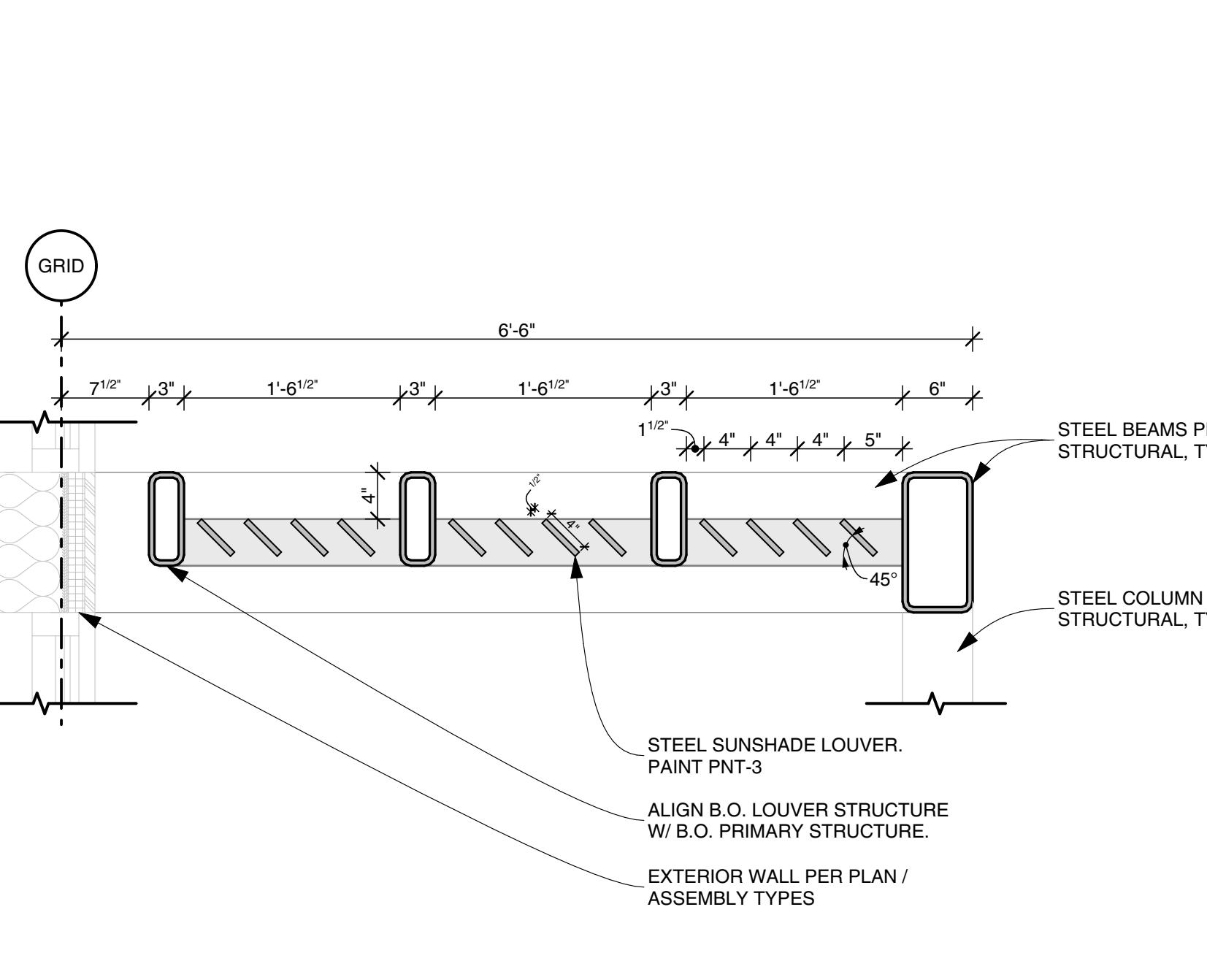


6 EXTERIOR SUNSHADE - PLAN

A521

1/2"

= 1'-0"




3 EXTERIOR SUNSHADE - SECTION

A521

1"

= 1'-0"



LUMINAIRE SCHEDULE

TYPE	LAMPS	LOAD (W)	OUTPUT (LM. NOMINAL)	CCT	MFR	DESCRIPTION	MOUNTING	VOLTAGE	NOTES
A1	LED	42 W	4,000	3,500	PRUDENTIAL LTC	4' LINEAR FIXTURE W/2' APERTURE, HIGH OUTPUT DOWN ONLY DISTRIBUTION AND ADJUSTABLE AIRCRAFT CABLE MOUNTING	CEILING/ SUSPENDED	277 V	2,4,5
A1E	LED	42 W	4,000	3,500	PRUDENTIAL LTC	4' LINEAR FIXTURE W/2' APERTURE, HIGH OUTPUT DOWN ONLY DISTRIBUTION, ADJUSTABLE AIRCRAFT CABLE MOUNTING & EM BATTERY	CEILING/ SUSPENDED	277 V	2,4,5
A2	LED	31 W	3,160	3,500	PRUDENTIAL LTC	4' LINEAR FIXTURE W/2' APERTURE, STANDARD OUTPUT DOWN LIGHT ONLY DISTRIBUTION AND ADJUSTABLE AIRCRAFT CABLE MOUNTING	CEILING/ SUSPENDED	277 V	2,4,5
A2E	LED	31 W	3,160	3,500	PRUDENTIAL LTC	4' LINEAR FIXTURE W/2' APERTURE, STANDARD OUTPUT DOWN LIGHT ONLY DISTRIBUTION AND ADJUSTABLE AIRCRAFT CABLE MOUNTING	CEILING/ SUSPENDED	277 V	2,4,5
A5	LED	93 W	11,120	3,500	PRUDENTIAL LTC	8' LINEAR FIXTURE W/2' APERTURE, STANDARD OUTPUT DOWN LIGHT/LOW UP/DOWN DISTRIBUTION AND ADJUSTABLE AIRCRAFT CABLE MOUNTING	CEILING/ SUSPENDED	277 V	2,4
A6E	LED	150 W	18,800	3,500	PRUDENTIAL LTC	16' LINEAR FIXTURE W/2' APERTURE, MEDIUM OUTPUT DOWN LIGHT/LOW UP/DOWN DISTRIBUTION AND ADJUSTABLE AIRCRAFT CABLE MOUNTING, PROVIDE WITH 1/4 BATTERY PACK SECTION	CEILING/ SUSPENDED	277 V	2,4
B1	LED	32 W	4,325	3,500	LITHONIA	2X4 VOLUMETRIC CURVED CENTER LENS TROFFER SELECTABLE LUMEN OUTPUT AND KELVIN TEMPERATURE	CEILING/ RECESSED	277 V	2,9
B1E	LED	32 W	4,325	3,500	LITHONIA	2X4 VOLUMETRIC CURVED CENTER LENS TROFFER SELECTABLE LUMEN OUTPUT AND KELVIN TEMPERATURE, PROVIDE WITH SELF CONTAINED EMERGENCY BATTERY PACK	CEILING/ RECESSED	277 V	2,9
B2	LED	40 W	5,310	3,500	LITHONIA	2X4 VOLUMETRIC CURVED CENTER LENS TROFFER SELECTABLE LUMEN OUTPUT AND KELVIN TEMPERATURE, PROVIDE WITH SELF CONTAINED EMERGENCY BATTERY PACK	CEILING/ RECESSED	277 V	2,9
B2E	LED	40 W	5,310	3,500	LITHONIA	2X4 VOLUMETRIC CURVED CENTER LENS TROFFER SELECTABLE LUMEN OUTPUT AND KELVIN TEMPERATURE, PROVIDE WITH SELF CONTAINED EMERGENCY BATTERY PACK	CEILING/ RECESSED	277 V	2,9
B5	LED	34 W	4,371	3,500	LITHONIA	2X2 VOLUMETRIC CURVED CENTER LENS TROFFER SELECTABLE LUMEN OUTPUT AND KELVIN TEMPERATURE	CEILING/ RECESSED	277 V	2,9
B5E	LED	34 W	4,371	3,500	LITHONIA	2X2 VOLUMETRIC CURVED CENTER LENS TROFFER SELECTABLE LUMEN OUTPUT AND KELVIN TEMPERATURE, PROVIDE WITH SELF CONTAINED EMERGENCY BATTERY PACK	CEILING/ RECESSED	277 V	2,9
B6	LED	27 W	3,561	3,500	LITHONIA	2X2 VOLUMETRIC CURVED CENTER LENS TROFFER SELECTABLE LUMEN OUTPUT AND KELVIN TEMPERATURE	CEILING/ RECESSED	277 V	2,9
B6E	LED	27 W	3,561	3,500	LITHONIA	2X2 VOLUMETRIC CURVED CENTER LENS TROFFER SELECTABLE LUMEN OUTPUT AND KELVIN TEMPERATURE, PROVIDE WITH SELF CONTAINED EMERGENCY BATTERY PACK	CEILING/ RECESSED	277 V	2,9
B10	LED	36 W	5,000	3,500	LITHONIA	2X4 FLAT PANEL TROFFER WITH SELECTABLE LUMEN OUTPUT AND KELVIN TEMPERATURE	CEILING/ RECESSED	277 V	2,9
B11	LED	48 W	6,000	3,500	LITHONIA	2X4 FLAT PANEL TROFFER WITH SELECTABLE LUMEN OUTPUT AND KELVIN TEMPERATURE	CEILING/ RECESSED	277 V	2,9
C1	LED	48 W	5,312	3,500	PRUDENTIAL LTC	8'-6" LINEAR FIXTURE W/2' APERTURE, MEDIUM OUTPUT, WALL GRAZE OPTICS AND WALL BRACKET MOUNT	WALL/ SURFACE	277 V	2,4,5
C10	LED	40 W	4,000	3,500	LITHONIA	1X4 LOW PROFILE ACRYLIC WRAP	CEILING/ RECESSED	277 V	2
D1	LED	19 W	2,038	3,500	LITHONIA	6" LED DOWN LIGHT WITH SELECTABLE LUMEN OUTPUT AND KELVIN TEMPERATURE, WHITE TRIM FLANGE	CEILING/ RECESSED	277 V	2,9
D2	LED	25 W	3,021	3,500	LITHONIA	6" LED DOWN LIGHT WITH BLACK TRIM FLANGE	CEILING/ RECESSED	277 V	2,9
D5	LED	19 W	2,007	3,500	LITHONIA	4" LED DOWN LIGHT WITH SELECTABLE LUMEN OUTPUT AND KELVIN TEMPERATURE, WHITE TRIM FLANGE	CEILING/ RECESSED	277 V	2,9
E1	LED	46 W	5,343	4,000	LITHONIA	FULL CUT OFF LED WALL PACK WITH TYPE 4 OPTICS AND BIRD SPIKES	WALL/ SURFACE	277 V	2,4,8
E5E	LED	15 W	1,500	4,000	LITHONIA	6" LED DOWN LIGHT WITH SELECTABLE LUMEN OUTPUT AND KELVIN TEMPERATURE, CONNECT FIXTURE TO REMOTE INVERTER POWER	CEILING/ RECESSED	277 V	2,9
E10	LED	20 W	2,300	4,000	ALIGHTS	4' NARROW LENSED WET LABELED LED SLOT FIXTURE W/ BLACK BODY FINISH	CEILING/ RECESSED	277 V	2
E10E	LED	20 W	2,300	4,000	ALIGHTS	4' NARROW LENSED WET LABELED LED SLOT FIXTURE W/ BLACK BODY FINISH, CONNECT FIXTURE TO REMOTE INVERTER POWER	CEILING/ RECESSED	277 V	2
E20	LED	19 W	1,459	4,000	LITHONIA	4" LED BOLLARD WITH ASYMMETRIC OPTICS, PHOTOCELL AND MOTION RESPONSE, BI-LEVEL DIMMING	SITE/ SURFACE	277 V	2
E30	LED	42 W	5,195	4,000	LITHONIA	LED FLOOD LIGHT W/ MEDIUM SPOT OPTICS AND INTEGRAL PHOTOCELL	SITE/ SURFACE	277 V	2
EL10	LED	5 W	640	5,000	LITHONIA	OUTDOOR REMOTE WEATHER PROOF EGRESS LIGHTING UNIT THAT IS POWERED FROM THE X20 COMBINATION EXIT SIGN	WALL/ SURFACE	24 V	2,7
F1	LED	41 W	5,540	4,000	LITHONIA	4' INDUSTRIAL STRIP WITH LENS AND AIRCRAFT CABLE MOUNTING	CEILING/ SUSPENDED	277 V	2
G1	LED	21 W	1,510	3,500	WAC LIGHTING	2' LONG WALL BRACKET WITH NARROW SQUARE BODY AND ILLUMINATED FACE	WALL/ SURFACE	277 V	2,6
H1	LED	95 W	13,630	4,000	LITHONIA	13' DIAMETER INDUSTRIAL HIGH BAY WITH LENS	CEILING/ SURFACE	277 V	2
M1	LED	3 W	250 PER FT	3,500	KELVIX	RGBW-3-24V +CH-502A 2-CL-CP-EC	CEILING/ CHANNEL	24 V	2,11
P1	LED	24 W	1,700	3,500	BETACALCO	2 1/2" Dia. 12" HIGH METAL BODY PENDANT WITH ADJUSTABLE AIRCRAFT CABLE MOUNTING	CEILING/ SUSPENDED	277 V	2,4,10
X1	LED	4 W	NA	NA	LITHONIA	EDGE LIT EXIT SIGN WITH RED FACE AND EMERGENCY BATTERY PACK, CHEVRONS ON THE PLAN	CEILING/ SURFACE	277 V	2
X5	LED	4 W	NA	NA	LITHONIA	EDGE LIT EXIT SIGN WITH RED FACE AND EMERGENCY BATTERY PACK, CHEVRONS ON THE PLAN	CEILING/ SURFACE	277 V	2,7
X10	LED	4 W	NA	NA	LITHONIA	EDGE LIT EXIT SIGN WITH RED FACE, PENDANT MOUNTING KIT AND EMERGENCY BATTERY PACK, CHEVRONS ON THE PLAN.	CEILING/ SUSPENDED	277 V	2
X20	LED	4 W	NA	NA	LITHONIA	COMBINATION EXIT SIGN/EGRESS LIGHTING UNIT WITH DUAL LED HEADS AND HIGH OUTPUT EMERGENCY BATTERY PACK TO OPERATE REMOTE HEAD, CHEVRONS ON THE PLAN.	WALL/ SURFACE	277 V	2,7

1. PRIOR SUBMITTAL NOT REQUIRED. ALL ALTERNATE FIXTURE SHOP DRAWINGS WILL BE REVIEWED AFTER THE PROJECT IS AWARDED.
 2. PRIOR SUBMITTAL IS REQUIRED.
 3. ALTERNATE FIXTURE IS NOT ACCEPTED FOR SUBSTITUTIONS.
 4. VERY FINE LINE DRAWINGS ARE PROVIDED PRIOR TO ORDERING. REGARDLESS IF A FINISH COLOR IS CALLED FOR IN PART NUMBER, PROVIDE 2 CHIP SAMPLES WITH SHOP DRAWING SUBMITTALS OF STANDARD MANUFACTURERS FINISH OFFERINGS FOR SELECTION. THE "01" WHEN SHOWN IN THE PART NUMBER IS TO SIGNIFY THIS NEED.
 5. MOUNTING HEIGHT FOR FIXTURE SHALL BE CONFIGURED TO HAVE THE FACE OF THE FIXTURE FLUSH WITH THE BOTTOM OF THE CABLE. THE FACE OF THE FIXTURE IS AIRCRAFT CABLE MOUNTED. THE EC SHALL VERIFY ALL HEIGHTS PRIOR TO CUTTING OF MOUNTING CABLE.
 6. MOUNT BOTTOM OF FIXTURE CENTERED AT 6' ABOVE TOP OF MIRROR, SEE ARCHITECTURAL ELEVATIONS.
 7. LOCATE BOTTOM OF FIXTURE AT 6' ABOVE TOP OF DOOR/STORE FRONT.
 8. INTEGRAL BATTERIES FOR THE FIXTURE SHALL PROVIDE CONTROL OF FIXTURE TO ALLOW RAMPING UP AND DOWN OF LUMEN OUTPUT FROM 100% DURING SENSING OF OCCUPANCY, AND DOWN TO 37% (APPROXIMATELY) DURING TIME OF NO OCCUPANCY.
 9. SET THE CONFIGURABLE DRIVER TO FIXTURE TO MEET THE KELVIN TEMPERATURE AND LUMEN OUTPUT LISTED IN THE FIXTURE SPECIFICATIONS.
 10. VERIFY FINAL DESIRED MOUNTING HEIGHT WITH THE ARCHITECT PRIOR TO CUTTING FACTORY MOUNTING CABLE, AS HEIGHT NOTED IS APPROXIMATE.
 11. CONTRACTOR TO HOLD VERT LENGTH PRIOR TO ORDERING. PROVIDE ALL NECESSARY POWER SUPPLIES # ULL030 MOUNTING CHANNELS, FACTORY MADE LEADS, AND CONNECTORS FOR A COMPLETE SYSTEM. A MAXIMUM OF 50' OF TAPE SHALL BE CONNECTED TO EACH POWER SUPPLY OUTPUT LEAD. PROVIDE THE DRIVER HOUSING IN BLACK FINISH.

GENERAL NOTE:
 THE ELECTRICAL CONTRACTOR SHALL VERIFY ALL CEILING TYPES AND PROVIDE ALL MOUNTING, FIRE-RATED, AND OTHER ACCESSORIES AS REQUIRED. FOR FIRE-RATED CEILINGS ASSEMBLIES AND FOR CEILINGS WITH INSULATION, VERIFY ALL RECESSED LUMINAIRE HOUSINGS ARE RATED APPROPRIATELY OR PROVIDE DROP-OVER ENCLOSURES OR TENTS FOR LUMINAIRES. VERIFY THAT DROP-OVER ENCLOSURES OR TENTS ALLOW FOR AIR SPACE AROUND LUMINAIRE PER MANUFACTURER'S RECOMMENDATIONS.
 ALL MOUNTING HEIGHTS CALLED FOR REGARDING LIGHT FIXTURES SHALL BE TO THE BOTTOM OF FIXTURE AS BASED ON FINISHED FLOOR IN THE BUILDING INTERIOR, OR FINISHED GRADE WHEN LOCATED ON THE BUILDING EXTERIOR, UNO.
 ALL LIGHTS SHALL BE AMERICAN COMPLIANT, OR WAVER SHALL BE SUBMITTED. 01

MEP COORDINATION SCHEDULE									
CONTROL TYPE	DISCONNECT/STARTER TYPE			DIVISION OF RESPONSIBILITIES					
BAS	CB	PANELBOARD CIRCUIT BREAKER WITHIN SIGHT OF EQUIPMENT							
CO	CSFD	COMBINATION STARTER/DISCONNECT - HOA							
CONT	FD	FUSED DISCONNECT							
EF	FT	FUSE							
HCP	FW	FACTORY-WIRED SINGLE POINT CONNECTION							
INT	MCOP	MOTOR OVER-CURRENT PROTECTION							
L	MSS	MANUAL STARTER SWITCH WITH THERMAL OVERLOADS (1-, 2- OR 3-POLE AS REQUIRED)							
MS	RCPT	20A DUPLEX RECEPTACLE (GFCI PROTECTED AS REQUIRED), CORD AND PLUG							
PS	RVSS	REDUCED VOLTAGE SOLID-STATE							
RT	SPST	REVERSE ACTING LINE VOLTAGE THERMOSTAT							
T	SPST	SINGLE POLE, SINGLE THROU 20A SWITCH							
TC	SPST	TIME CLOCK							
UC	SPST	ULTRA CONTROLLER							
VE	SPST	VEHICLE EXHAUST DETECTION SYSTEM							
NIA	N/A	NOT APPLICABLE							
NOTES:									
1. INTEGRAL DISCONNECTS AND OVERLOADS									
2. INTEGRAL OVERLOADS									
3. INTEGRAL DISCONNECT									
4. PROVIDE RECEPTACLE AND DATA CONNECTION FOR PANEL									
5. MOUNT ON UNI-STRUT IN FRONT OF UNIT									
6. SIZE APPROPRIATE CONDUIT ACCORDING TO MANUFACTURER'S GUIDELINES FOR INSTALLED EQUIPMENT									
7. INTEGRAL VARIABLE FREQUENCY DRIVE									
8. DUCT SMOKE DETECTORS(REQUIRED)									
9. UNIT IS POWERED FROM EXTERIOR HEAT PUMP/ CONDENSING UNIT.									