



ADDENDUM NO. 1 - OUTLINE AND SUMMARY INFORMATION

Project Name: BART Farm Nutrition Center Roof Replacement PPA No.: 18-2101
Date: 3/14/19

To: All Plan Holders of Record

*The Plans and Specification prepared by **Architecture 118** dated **February 28, 2019**, shall be clarified and added as follow. The bidder proposes to perform all the following clarifications or changes. It is understood that the Base Bid shall include any modification of Work or Additional Work that may be required by reason of the following change or clarifications.*

The Bidders are to acknowledge the receipt of this Addendum by inserting its number and date into their Bid Forms. Failure to acknowledge may subject the Bidder to disqualification and rejection of the bid. This Addendum forms part of the Contract Documents as if bound therein and modifies them as follows:

I. ATTACHMENTS

- A.Architecture 118 Addendum 1 Outline & Summary

ADDENDUM NO. 1 – OUTLINE AND SUMMARY INFORMATION



Project Name: BART Farm Nutrition Center Roof Replacement PPA No.: 18-2101 (A118 18-041)
Location: Montana State University Date: March 14, 2019
Owner: State of Montana
Montana State University
Bozeman, Montana

To: *All Plan Holders of Record*

Bidders are to acknowledge the receipt of this Addendum by inserting its number and date into their Bid Forms. Failure to do so may subject the Bidder to disqualification. This Addendum forms part of the Contract Documents as if bound therein and modifies them as follows:

I. PRIOR APPROVALS

A. Substitution requests were submitted for the following materials:

1. EPDM Roofing (Materials)

- a. Proposed substitution:.....TPO Roofing (GAF)
- b. Status:Rejected

2. EPDM Roofing (Materials)

- a. Proposed substitution:.....TPO Roofing (Mule Hide)
- b. Status:Rejected

3. EPDM Roofing (Manufacturer)

- a. Proposed substitution:.....EPDM Roofing (Mule Hide)
- b. Status:Approved

II. AMENDMENTS TO THE PROJECT MANUAL

A. None

III. AMENDMENTS TO THE DRAWINGS

- A. Sheet SPEC-2, Section 075323 (EPDM Roofing)
- B. Sheet A-1, Drawing 1 (Roof Plan)

IV. GENERAL INFORMATION

A. Existing Mechanical Equipment to be Removed

- 1. Drawings indicate four locations of existing mechanical equipment and roof penetrations that are planned for removal.
- 2. Owner intends to remove this equipment, to the greatest extent possible, prior to the commencement of the roofing project.
- 3. Existing curbs, flashings, or flue penetrations may be left behind and fitted with temporary caps in an attempt to keep the building weather-tight ahead of the roofing project.

4. Roofing contractor will need to remove any temporary caps, curbs, flashings, etc., left behind by the Owner at the appropriate time to facilitate the roofing work.

B. Parking Permits

1. MSU parking permits are not required for vehicles parked at the BART Farm.

C. Wind Uplift Resistance

1. The attachment of the new overlay roofing system shall be as required to accommodate a working uplift loading of 30 lbs./sq. ft. minimum throughout.

D. Building Occupancy

1. Building use during the summer will be light. There will be a few people coming and going occasionally and there will be livestock in the surrounding pens.

V. ATTACHMENTS

A. Substitution Request: TPO Roofing (2), EPDM Roofing Manufacturer (1)

B. Pre-Bid Conference – Meeting Notes

C. Pre-Bid Conference Sign-In Sheet

D. Pre-Bid Conference – Agenda and Information

E. Sheet SPEC-2

F. Sheet A-1



SUBSTITUTION REQUEST (PRIOR APPROVAL)

Project Title: Bart Farm Roof Replacement PPA No:
Location: Bozeman, MT
Owner: MONTANA STATE UNIVERSITY Bidder (Sub-):

This request is submitted for the approval of the Architect. Bidder / Sub-Bidder shall submit one request in accordance with Bidders' Instructions and Information for each proposed substitution. All blanks are to be completed.

The material, system, or equipment defined by this Substitution Request is proposed as a replacement for the material, system, or equipment originally specified and defined as follows:

Table with 3 columns: SECTION, PARAGRAPH, SPECIFIED MATERIAL, SYSTEM, OR EQUIPMENT. Row 1: 075323, 2.2A, 60 Mil Reinforced EPDM Roofing System

PROPOSED SUBSTITUTION: The material, system, or equipment being proposed is defined as follows:

60 Mil TPO Roofing System

- What are the differences between the specified material, system, or equipment and the proposed substitution? See attached data sheet
Does the proposed substitution require dimensional changes on the Construction Drawings?
Does the proposed substitution require changes to the Work of other trades?
Is the warranty for the proposed substitution comparable with that of the specified product?

By signing and submitting this request, the Bidder / Sub-Bidder represents that the function, appearance, and quality of the proposed substitution are equivalent or superior to the specified material, system, or equipment.

By signing and submitting this request, the Bidder / Sub-Bidder agrees to pay all costs, including architectural and engineering fees, associated with the incorporation of the proposed substitution into the Project.

Matthew Stenshoel 3/6/19
SUBMITTED BY (BIDDER / SUB-BIDDER) AUTHORIZED AGENT DATE

Received:
DATE

Architect's Action: Rejected

Rejected - For reasons as follows:
EPDM ROOFING IS PREFERRED AND WAS SPECIFIED

Approved

Approved as noted:

ARCHITECTURE 118
REVIEWED BY (ARCHITECT)

Scott Steinhilber 11 MAR 2019
AUTHORIZED AGENT DATE

SUBSTITUTION REQUEST (PRIOR APPROVAL)

Project Title: farm nutrition center re-roof
Location: 2730 west garfield

PPA No: ~~18-2121~~ 18-2101

Owner: MONTANA STATE UNIVERSITY Bidder (Sub-): advanced contracting services

This request is submitted for the approval of the Architect. Bidder / Sub-Bidder shall submit one request in accordance with Bidders' Instructions and Information for each proposed substitution. All blanks are to be completed.

The material, system, or equipment defined by this Substitution Request is proposed as a replacement for the material, system, or equipment originally specified and defined as follows:

SECTION	PARAGRAPH	SPECIFIED MATERIAL, SYSTEM, OR EQUIPMENT
075323	2.2a	manufacturers

PROPOSED SUBSTITUTION: The material, system, or equipment being proposed is defined as follows:
mule hide roofing products ALL INFORMATION PROVIDED WAS FOR TPO ROOFING

- What are the differences between the specified material, system, or equipment and the proposed substitution?
mulehide has the same properties and warranty as other manufacturers
- Does the proposed substitution require dimensional changes on the Construction Drawings? (Y/N) (N)
- Does the proposed substitution require changes to the Work of other trades? (Y/N) (N)
- Is the warranty for the proposed substitution comparable with that of the specified product? (Y/N) (N)

By signing and submitting this request, the Bidder / Sub-Bidder represents that the function, appearance, and quality of the proposed substitution are equivalent or superior to the specified material, system, or equipment.

By signing and submitting this request, the Bidder / Sub-Bidder agrees to pay all costs, including architectural and engineering fees, associated with the incorporation of the proposed substitution into the Project.

ADVANCED CONTRACTING SERVICES
SUBMITTED BY (BIDDER / SUB-BIDDER)

Anthony Johnson
AUTHORIZED AGENT

3-12-19
DATE

Received: _____
DATE

Architect's Action: Rejected

Rejected – For reasons as follows:

EPDM ROOFING IS PREFERRED AND WAS SPECIFIED

Approved

Approved as noted:

ARCHITECTURE 118
REVIEWED BY (ARCHITECT)

Scott Steinhilber
AUTHORIZED AGENT

12 MAR 2019
DATE

SUBSTITUTION REQUEST (PRIOR APPROVAL)

Project Title: farm nutrition center re-roof PPA No: ~~18-2121~~ 18-2101
 Location: 2730 west garfield
 Owner: MONTANA STATE UNIVERSITY Bidder (Sub-): advanced contracting services

This request is submitted for the approval of the Architect. Bidder / Sub-Bidder shall submit one request in accordance with Bidders' Instructions and Information for each proposed substitution. All blanks are to be completed.

The material, system, or equipment defined by this Substitution Request is proposed as a replacement for the material, system, or equipment originally specified and defined as follows:

SECTION	PARAGRAPH	SPECIFIED MATERIAL, SYSTEM, OR EQUIPMENT
075323	2.2a	manufacturers

PROPOSED SUBSTITUTION: The material, system, or equipment being proposed is defined as follows:
 mule hide roofing products

INFORMATION PROVIDED WAS FOR EPDM ROOFING

- What are the differences between the specified material, system, or equipment and the proposed substitution?
 mulehide has the same properties and warranty as other manufacturers
- Does the proposed substitution require dimensional changes on the Construction Drawings? (Y/N) (N)
- Does the proposed substitution require changes to the Work of other trades? (Y/N) (N)
- Is the warranty for the proposed substitution comparable with that of the specified product? (Y/N) (N)

By signing and submitting this request, the Bidder / Sub-Bidder represents that the function, appearance, and quality of the proposed substitution are equivalent or superior to the specified material, system, or equipment.

By signing and submitting this request, the Bidder / Sub-Bidder agrees to pay all costs, including architectural and engineering fees, associated with the incorporation of the proposed substitution into the Project.

ADVANCED CONTRACTING SERVICES
 SUBMITTED BY (BIDDER / SUB-BIDDER)

Anthony Johnson
 AUTHORIZED AGENT

3-12-19
 DATE

Received: _____
 DATE

Architect's Action: Rejected

Rejected – For reasons as follows:

Approved

Approved as noted:

EPDM ROOFING FROM MULE HIDE IS ACCEPTABLE

ARCHITECTURE 118
 REVIEWED BY (ARCHITECT)

Scott Steinhilber
 AUTHORIZED AGENT

13 MAR 2019
 DATE

PRE-BID CONFERENCE - MEETING NOTES



Project Name: BART Farm Nutrition Center Roof Replacement PPA No.: 18-2101 (A118 18-041)
Location: Montana State University Meeting Date: March 11, 2019
Owner: State of Montana
Montana State University
Bozeman, Montana
Attending: Refer to Pre-Bid Conference Sign-In Sheet

The following is a summary of the above referenced meeting:

I. PURPOSE OF MEETING

- A. Pre-Bid Conference for above referenced project. Introductions were made and Contractor information was collected. Owner's Pre-Bid Agenda and Information document was provided to all in attendance.

II. ITEMS OF DISCUSSION

A. Mechanical Equipment to be Removed

- 1. Group discussed and viewed four locations where existing mechanical equipment is to be removed.
- 2. Owner intends to remove existing equipment ahead of the roofing project.
- 3. Additional clarification will be provided in upcoming addendum.

B. Edge Details

- 1. Contractors questioned edge detail requirements for the project.
- 2. The group reviewed edge details in the plan set.

C. Metal Flashing Materials

- 1. Contractors questioned metal material requirements for the project.
- 2. Specifications have been provided for shop-fabricated sheet metal flashing and trim, as well as manufactured roof specialties. Either approach will be acceptable for the project and are Contractor's options.

D. Parking Permits

- 1. Owner will confirm whether parking permits are required in this location of campus. Clarification will be provided in upcoming addendum.

E. Job-Site Toilet

- 1. Section 015000 requires a job-site toilet.

F. Wind Speed Rating

- 1. Roofing assembly is not designed to meet a specific wind speed rating.
- 2. Actual wind uplift loadings have been calculated. Additional clarification will be provided in upcoming addendum.
- 3. Some pull-testing of the existing metal roofing will be required.

G. Insulation Requirements

1. Only flute-fill insulation is required for this project.

H. Building Occupancy

1. Contractors questioned whether there would be many people using the building over the summer. Clarification will be provided in upcoming addendum.
2. Contractor staging requirements will be addressed at the Pre-Construction Conference.

III. FUTURE ACTION ITEMS

A. Addendum No. 1

Architecture 118

RECORDED BY (ARCHITECT)

Scott Stroh

AUTHORIZED AGENT

March 11, 2019

DATE

This information is forwarded to all those who attended the meeting. If any information summarized above is not correct, complete, or is inaccurate in any way, please notify the Authorized Agent listed above.



PRE-BID CONFERENCE - AGENDA AND INFORMATION

Project Name: BART Farm Nutrition Center Re-Roof PPA No.: 18-2101
Location: Site Date: 3/11/19 @ 3:00pm

I. CONTRACTOR SIGN-IN, COLLECT BUSINESS CARDS

II. GREETINGS AND INTRODUCTIONS

- A. Consultant: Scott Stroh, Architecture 118, o: 406-404-1777
- B. MSU Project Manager: Jaclyn Liebscher, o: 406-994-5970; c: 406-579-5226

III. SUMMARY OF PROJECT

- A. The Work consists of:
 - 1. Overlay the existing metal roof with a new single-ply membrane.
 - 2. New flashing and trim. Color to match existing.
 - 3. Repair / renovation / removal of existing mechanical and electrical roof penetrations.
- B. Construction window is **May 15 to August 15, 2019** (Final Acceptance i.e. Contractor is done and demobbed); \$200/day LDs.
- C. Construction budget is \$60,000 to \$70,000.
- D. General information:
 - 1. Work hours are 6am – 6pm M-F. Weekend work shall be coordinated at least 3 days' ahead.
 - 2. Construction staging / access is to the northeast side of the building. Main entry needs to remain open.
 - 3. Safety first.
 - 4. No smoking.
 - 5. No radios.
 - 6. Daily cleanup will be required.
 - 7. Construction keys will be provided. Keep doors closed. Keep area secure.
- E. Ask questions up to Wednesday end of day for incorporation into Addendum 1 which will be issued no later than EOD Thursday, March 14.

IV. BIDDING PROCESS AND CONTRACT REQUIREMENTS

- A. Bids will be received until 2pm on March 21, 2019 at the office of Campus Planning, Design and Construction, Montana State University, Bozeman, Montana.
- B. The Bid Form has been provided within the Project Manual. Bidders are to execute the Bid Form completely, leaving no spaces blank.
- C. Information pertaining to the preparation and submission of the Bid, including information regarding bid security, substitutions, addenda, bonding requirements, permits, contractor qualifications, prevailing wage requirements, state taxes, etc., can be found in the Bidders' Instructions and Information section of the Project Manual.
- D. Information pertaining to liquidated damages can be found within the Agreement contained in the Project Manual.
- E. Information pertaining to insurance requirements can be found within the General Conditions of the Contract contained in the Project Manual.
- F. MCA Statutes – Title 18 Chapter 2.

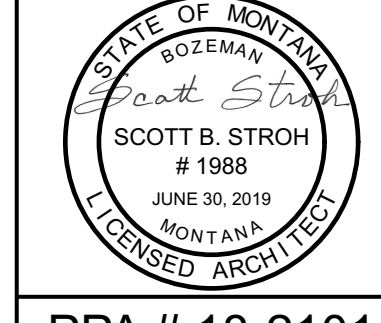
V. QUESTIONS PERTAINING TO THE BIDDING DOCUMENTS

VI. TOUR THE PROJECT SITE

BART FARM NUTRITION CENTER ROOF REPLACEMENT



Table with columns: REV, DESCRIPTION, DATE. Row 1: ADENDUM NO. 1, 3/14/19



PPA # 18-2101

A118 #: 18-041

SHEET TITLE SPECIFICATIONS

SHEET SPEC-2

DATE (IFB) 28 FEB 19

SECTION 077100 - ROOF SPECIALTIES

- PART 1 - GENERAL
1.1 SECTION REQUIREMENTS
A. Submittals: Product Data, Shop Drawings, and color Samples.
B. Warranties: Provide manufacturer's standard written warranty...

SECTION 077200 - ROOF ACCESSORIES

- PART 1 - GENERAL
1.1 SECTION REQUIREMENTS
A. Submittals: Product Data and Shop Drawings.
B. Sheet Metal Standard: Comply with SMACNA's 'Architectural Sheet Metal Manual.'

SECTION 075323 - ETHYLENE-PROPYLENE-DIENE-MONOMER (EPDM) ROOFING

- PART 1 - GENERAL
1.1 SUMMARY
A. Section Includes:
1. Adhered ethylene-propylene-diene-terpolymer (EPDM) roofing system.
2. Substrate board.
3. Roof insulation.

SECTION 076200 - SHEET METAL FLASHING AND TRIM

- PART 1 - GENERAL
1.1 SECTION REQUIREMENTS
A. Submittals: Product Data, Shop Drawings, and Samples.
B. Comply with SMACNA's 'Architectural Sheet Metal Manual.'

SECTION 075323 - ETHYLENE-PROPYLENE-DIENE-MONOMER (EPDM) ROOFING

- PART 1 - GENERAL
1.1 SUMMARY
A. Section Includes:
1. Adhered ethylene-propylene-diene-terpolymer (EPDM) roofing system.
2. Substrate board.
3. Roof insulation.

SECTION 061600 - SHEATHING

- PART 1 - GENERAL
1.1 SECTION REQUIREMENTS
A. Submittals: ICC-ES evaluation reports for preservative-treated plywood.
PART 2 - PRODUCTS
2.1 WOOD PANEL PRODUCTS, GENERAL
A. Plywood: DOC PS 1.

SECTION 070150.19 - PREPARATION FOR REROOFING

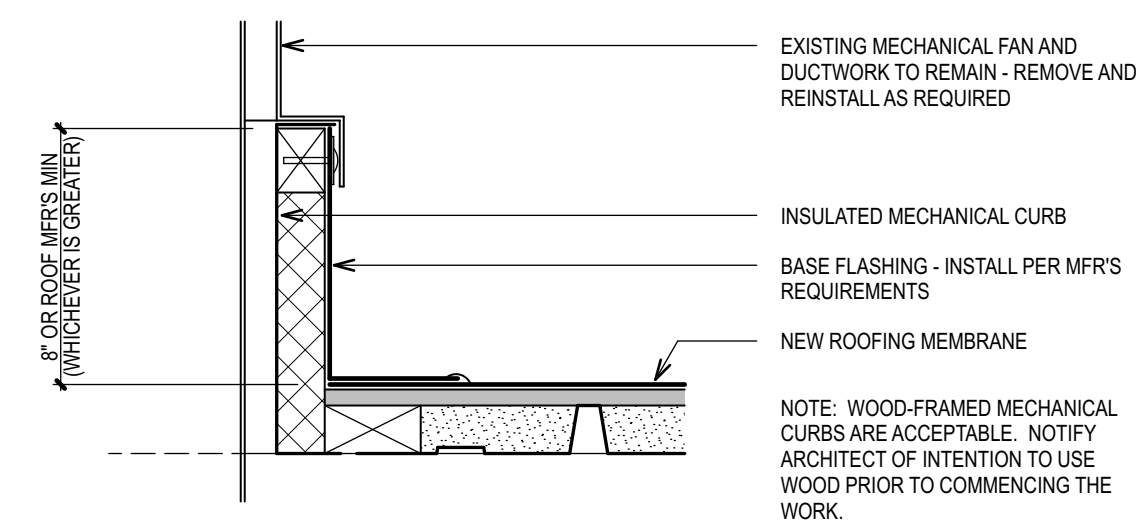
- PART 1 - GENERAL
1.1 SUMMARY
Section Includes:
1. Remove preparation of roof areas indicated on Drawings.
2. Removal of flashings and counterflashings.

SECTION 024119 - SELECTIVE DEMOLITION

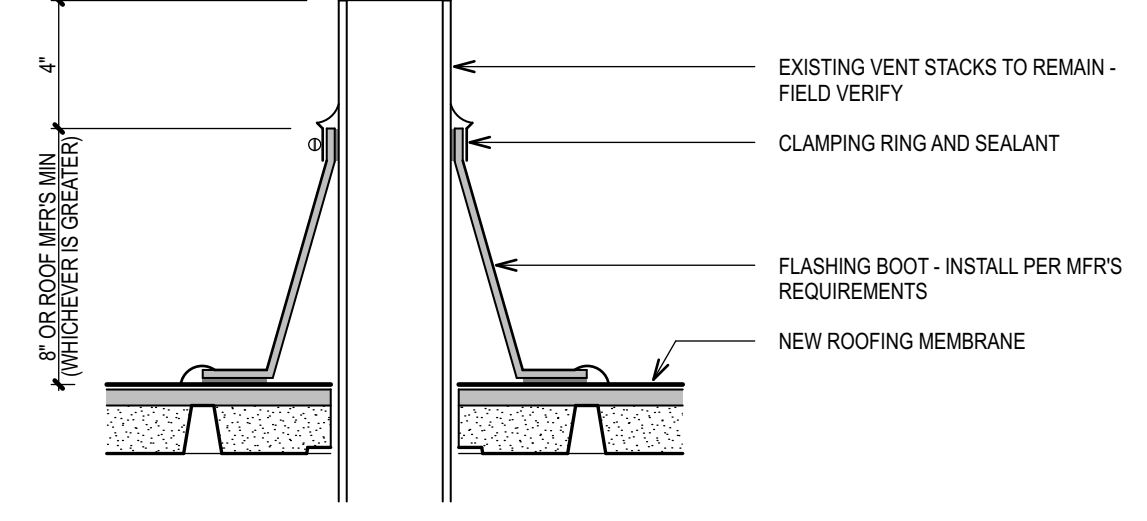
- PART 1 - GENERAL
1.1 SECTION REQUIREMENTS
A. Items indicated to be removed and salvaged remain Owner's property. Carefully detach from existing construction...
B. Owner will occupy portions of building immediately adjacent to selective demolition area.

SECTION 06100 - ROUGH CARPENTRY

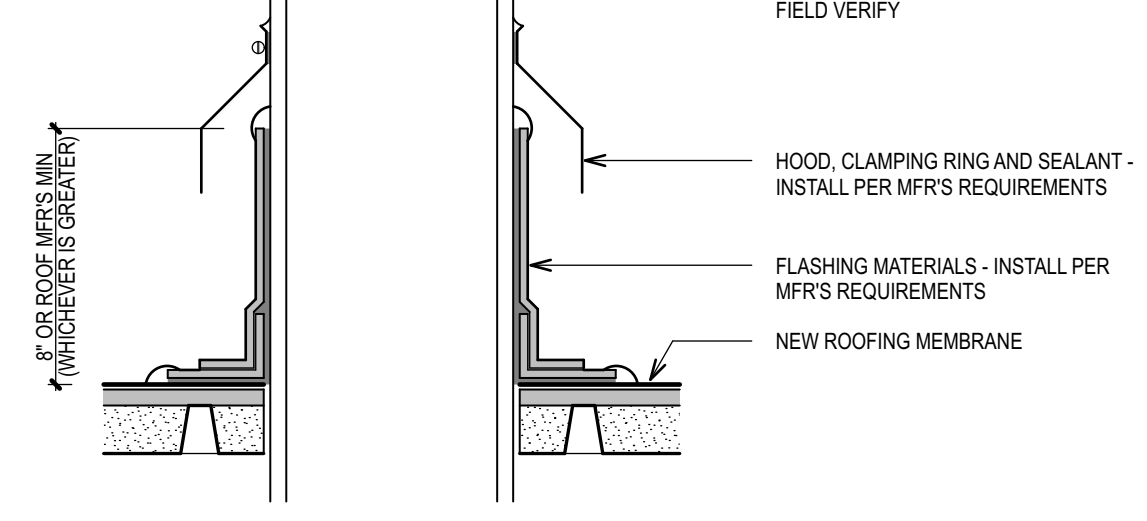
- PART 1 - GENERAL
1.1 SUMMARY
A. This Section includes the following:
1. Roofing equipment bases and support curbs.
2. Wood blocking and nailers.



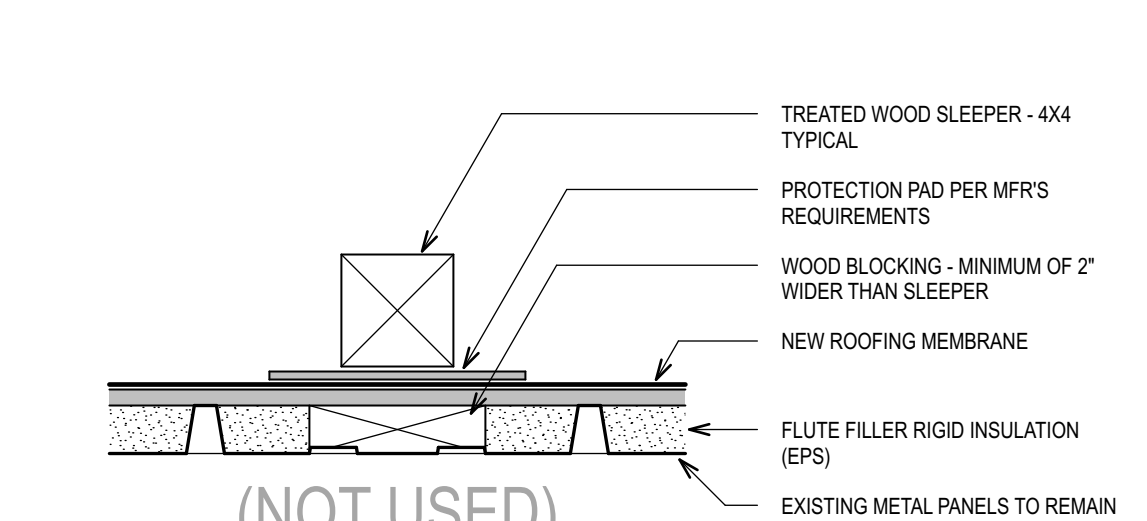
6 MECHANICAL CURB
 2" = 1'-0"



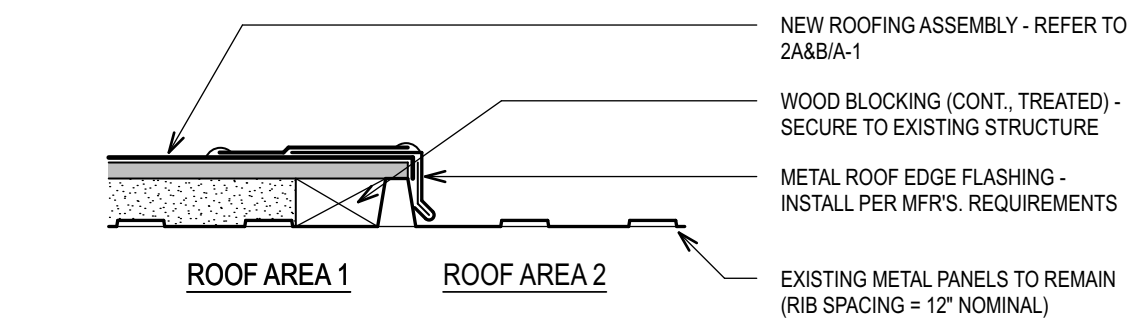
7 PLUMBING VENT
 2" = 1'-0"



8 MECHANICAL VENT
 2" = 1'-0"



9 MECHANICAL EQUIPMENT SLEEPER
 2" = 1'-0"



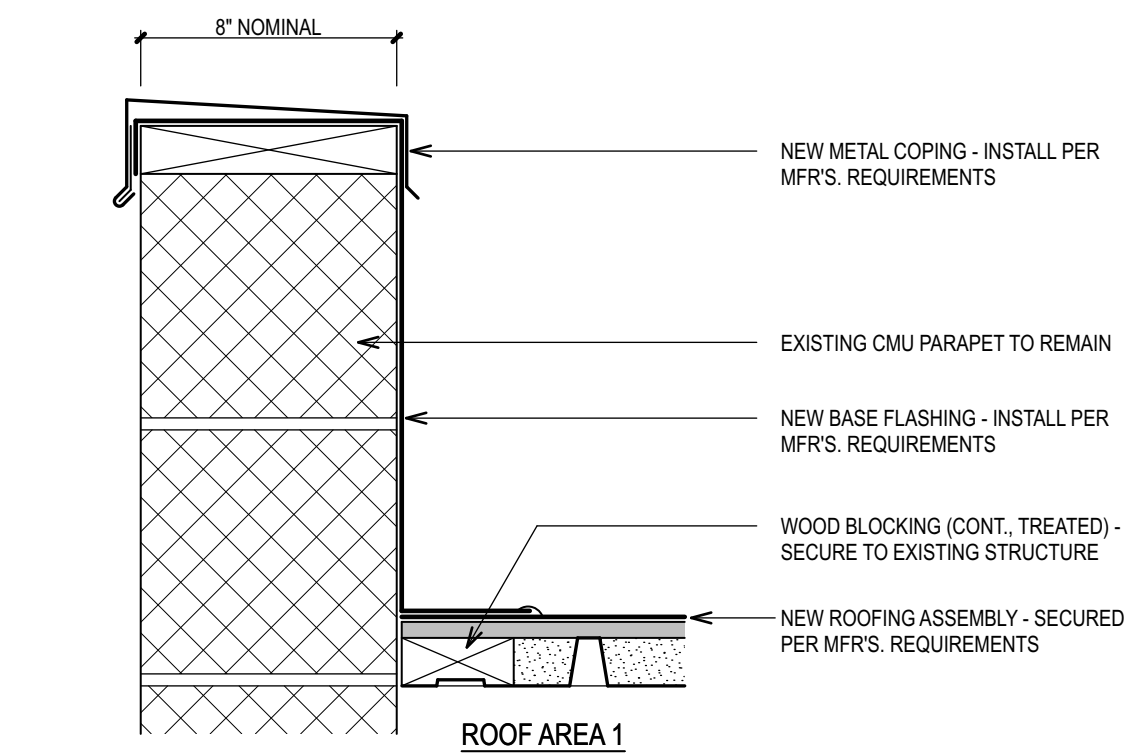
5 ROOF TRANSITION
 2" = 1'-0"

GENERAL DEMOLITION NOTES:

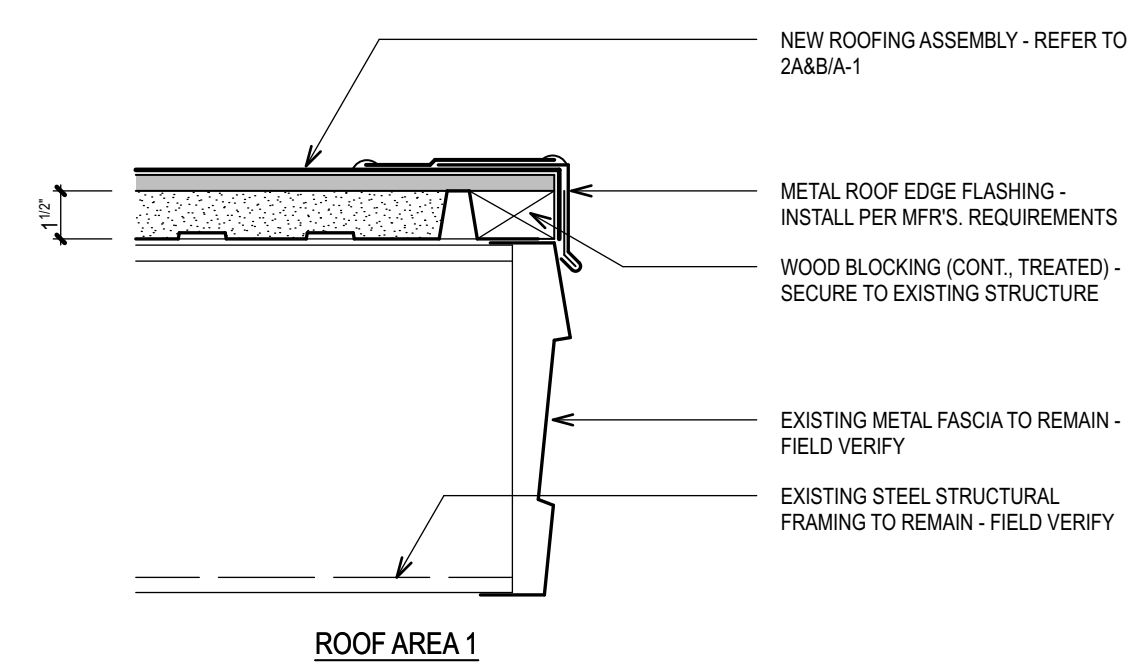
- CONTRACTOR TO VERIFY FIELD CONDITIONS PRIOR TO THE START OF CONSTRUCTION. CONTRACTOR TO NOTIFY ARCHITECT OF DISCREPANCIES DISCOVERED BETWEEN FIELD CONDITIONS AND THE CONSTRUCTION DOCUMENTS. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION AND DEFINITIONS REGARDING DEMOLITION OPERATIONS.
- CONTRACTOR TO DISPOSE OF ALL REMOVED MATERIALS IN ACCORDANCE WITH ALL LOCAL AND STATE LAWS AND REGULATIONS.
- CONTRACTOR TO CLEAN, PATCH, AND REPAIR ALL EXISTING SURFACES AND FINISHES TO REMAIN THAT WERE AFFECTED BY DEMOLITION OPERATIONS.

GENERAL CONSTRUCTION NOTES:

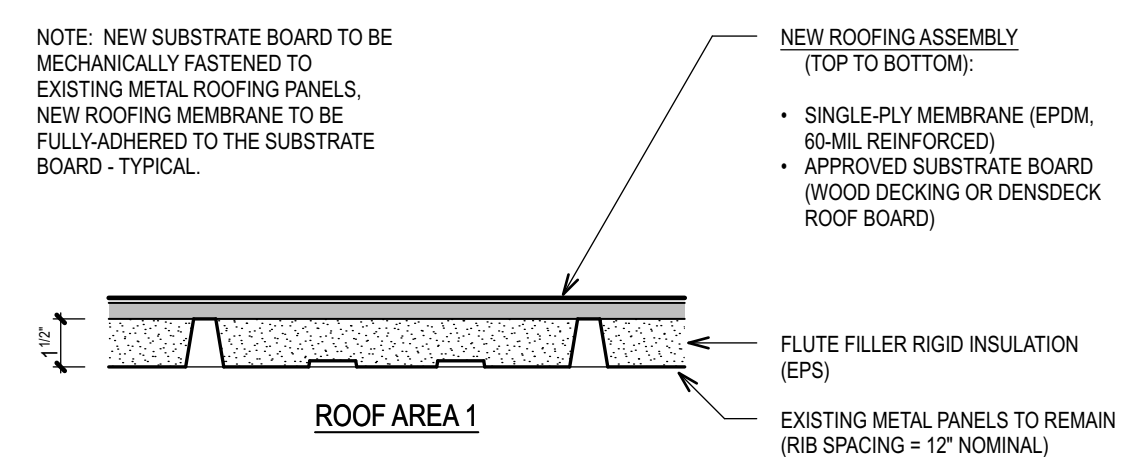
- CONTRACTOR TO INSTALL ALL COMPONENTS OF THE NEW ROOFING ASSEMBLIES IN ACCORDANCE WITH CONSTRUCTION DOCUMENTS AND ROOFING MANUFACTURER'S SPECIFICATIONS FOR WARRANTY SPECIFIED. CONTRACTOR TO NOTIFY ARCHITECT OF DISCREPANCIES DISCOVERED BETWEEN CONSTRUCTION DOCUMENTS AND ROOFING MANUFACTURER'S SPECIFICATIONS.
- PROVIDE AND INSTALL NEW ROOFING ASSEMBLIES, INCLUDING ALL REQUIRED BLOCKING, NAILERS, EQUIPMENT BASES AND SUPPORT CURBS, INSULATION, COVER BOARD, ROOFING MEMBRANE COMPONENTS, BASE FLASHINGS, PENETRATION FLASHINGS, METAL FLASHINGS, WALL TERMINATIONS, COPINGS, AND ANY OTHER ACCESSORY COMPONENTS REQUIRED FOR A COMPLETE INSTALLATION.
- CONTRACTOR TO CONDUCT PULL-TESTS FOR FASTENERS INSTALLED INTO THE EXISTING METAL ROOFING PANELS. PULL-TEST RESULTS WILL DETERMINE FINAL FASTENER SPACINGS.
- CONTRACTOR TO EXTEND OR RAISE ROOFTOP EQUIPMENT BASES, SUPPORT CURBS, AND VENT STACKS AS REQUIRED TO MEET THE REQUIREMENTS OF THE ROOFING SYSTEM MANUFACTURER.
- WHERE NEW OR EXISTING MECHANICAL CURBS OCCUR, PROVIDE CRICKETING ALONG THE UPPER SIDE TO ENSURE POSITIVE DRAINAGE AROUND CURB.



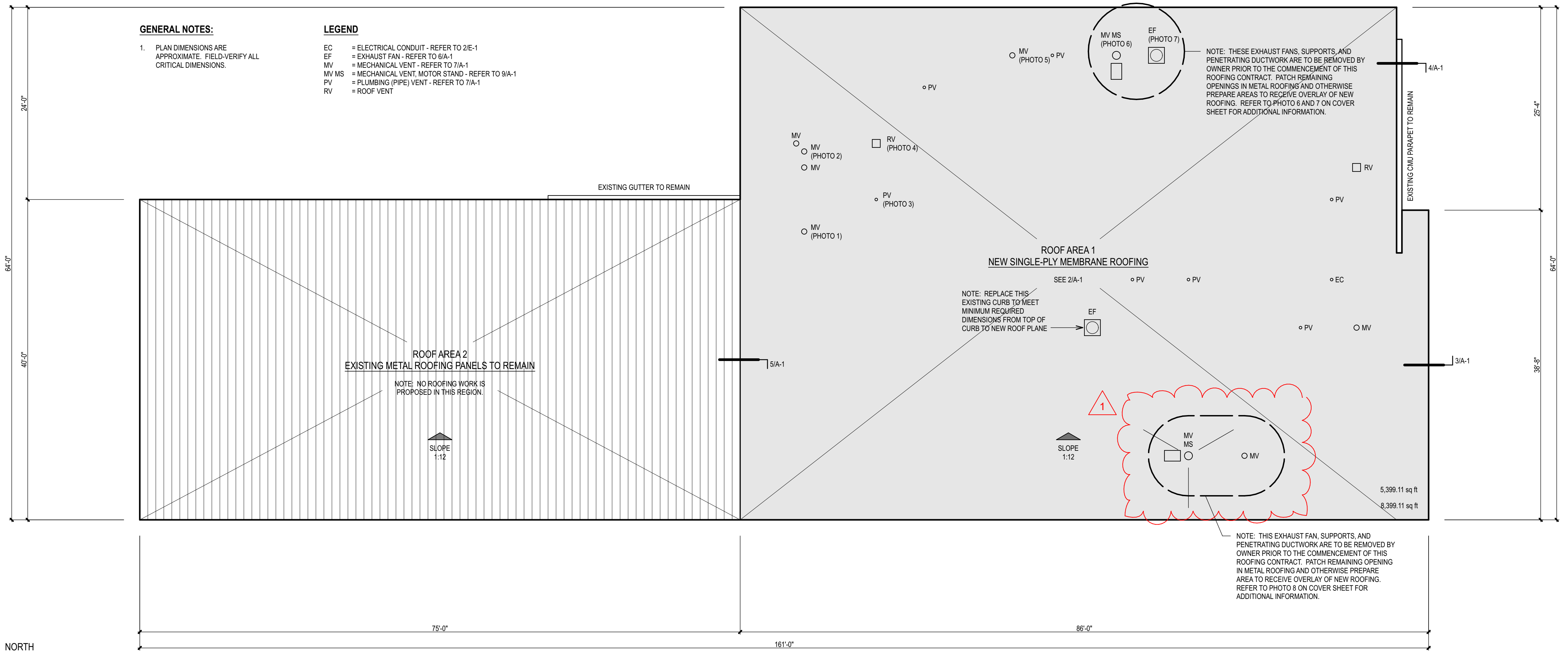
4 PARAPET FLASHING
 2" = 1'-0"



3 ROOF EDGE FLASHING
 2" = 1'-0"



2 ROOFING ASSEMBLY
 2" = 1'-0"



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