

**MULTISITE ROOFING 2019**  
**Sheldon High School**  
**South Eugene High School**  
**Kennedy Middle School**  
**C.I.P. No. 420.780.209**

**ROBERTSON/SHERWOOD/ARCHITECTS pc**  
**132 E. Broadway - Suite 540**  
**Eugene, Oregon**  
**Project No. 1901**



This Addendum forms a part of the Contract Documents and modifies the original Bid Documents dated March 20, 2019 as noted below. Acknowledge receipt of this Addendum in the space provided on the Bid Form. Failure to do so may subject Bidder to disqualification.

## **PROJECT MANUAL**

### **1. DOCUMENT 00 11 16 – INVITATION BID**

- A. Pre-Bid Conference: A non-mandatory pre-bid conference was held at 10:00 AM on March 26, 2019. Sheldon High School and South Eugene High School Roofs were toured by attendees. A list of attendees is attached to this Addendum.

### **2. DOCUMENT 00 22 13 – SUPPLEMENTARY INSTRUCTIONS TO BIDDERS**

- A. Article 1.1, Subparagraph 2.1.3.2: Clarification: Bidders may visit project sites after checking in with staff in school offices. Maintenance staff will need to provide access to roofs at Sheldon and South Eugene High Schools. A ladder is required for accessing roof at Kennedy Middle School. Underside of stressed skin panels at Sheldon High School may be viewed in certain mechanical and custodial rooms

### **3. DOCUMENT 00 41 13 – BID FORM**

- A. Replace Bid Form with new Bid Form attached to this Addendum. Clarification:
- i) Combined Base Bid Package C designation is corrected.
  - ii) Alternate No. 3 added.

### **4. SECTION 01 23 00 – ALTERNATES**

- A. Replace Section 01 23 00 with new section attached to this Addendum. Clarification: Alternate No. 3 added.

### **5. SECTION 06 10 00 – ROUGH CARPENTRY**

- A. Article 2.06; add the following:
- “C. Fire Retardant Treatment:
- 1. Exterior Type: AWPA U1, Category UCFB, Commodity Specification H, chemically treated and pressure impregnated; capable of providing a maximum flame spread index of 25 when tested in accordance with ASTM

E84, with no evidence of significant combustion when test is extended for an additional 20 minutes both before and after accelerated weathering test performed in accordance with ASTM D2898.

- a. Kiln dry wood after treatment to a maximum moisture content of 19 percent for lumber and 15 percent for plywood.
- b. Treat all exterior rough carpentry items.

2. Mark each piece of wood with producer's stamp indicating compliance with specified requirements."

6. SECTION 07 54 00 - THERMOPLASTIC MEMBRANE ROOFING

A. Article 1.09: Add the following:

- " D. Warranty for PMMA flashing at Kennedy Middle School:
1. Provide manufacturer's standard materials warranty.
  2. PMMA flashing installation shall comply with a 2-year warranty, through the Contractor as called for in Section 00 73 40 - Supplementary Conditions, after date of Substantial Completion. Warranty to include annual inspections and repair maintenance during this two year period."

B. Article 2.03, Paragraph D:

- i) Delete Sentence 1.
- ii) Change Sentence 2 to read to read as follows:

"2. Vapor Permeability: 0.5 perm inch or less, measured in accordance with ASTM E96/E96M."

C. Article 2.04: Change Paragraph A as follows:

- "A. Cover Boards, Contractor's choice:
1. Glass mat-faced, water and moisture-resistant gypsum board, UL Class A fire rated, with the following characteristics:
    - a.. Compressive Strength: 500 psi.
    - b. Board Size: 48 x 96 inch.
    - c. Thickness: ½ inch.
    - d. Board Edges: Square.
    - e. Products:
      - 1) Dens-Deck Prime by Georgia Pacific [www.gp.com.com](http://www.gp.com.com).
      - 2) Substitutions: As recommended by membrane manufacturer.
  2. Glass mat-faced, water and moisture-resistant gypsum board, UL Class A fire rated; ¼ inch thick; 150 psi compressive strength.
    - a. Invinsa FR Roof Board by Johns Manville: [www.jm.com](http://www.jm.com).
    - b. Substitutions: See Section 01 60 00 - Product Requirements."

D. Article 2.06:

- i) Paragraph A:
  - a) Delete Subparagraph 8.c. "Liquid Flashings."
  - b) Add the following subparagraph:

- "9. Liquid Flashings:
  - a. PMMA Flashing System at existing built-up roofs composed of the following:
    - 1) PMMA Flashing Resin: Two-part elastomeric, liquid

- applied flashing material.
  - 2) PMMA Primer: Elastomeric liquid-applied membrane primary layer.
  - 3) PMMA Catalyst: Reactive agent to initiate curing or primer and resins.
  - 4) PMMA Scrim: Non-woven, chopped strand fabric reinforcement to improve tear strength, puncture resistance, and crack bridging capabilities of PMMA Flashing System.
  - 5) Accessories: As recommended by system manufacturer.
- b. Two-part urethane and asphalt flashing system at TPO roofs composed of the following:
- 1) Flashing Primer: One-part, solvent based.
  - 2) Flashing Cement Base and Activator.
  - 3) Flashing Scrim: Flexible stitchbonded polyester scrim.
  - 4) Flashing Cement Top Coat: Two-part liquid applied flashing.
  - 5) Color: As selected from manufacturer's standard colors."

ii) Delete Paragraph D.

E. Article 3.08: Change Paragraph B to read as follows:

"B. Require at least two intermediate site visits by roofing and insulation manufacturers during installation of the Work for both Sheldon High School and South Eugene High School."

## **DRAWINGS**

### 7. DRAWING SHEET 002

A. Scope of Work, Sheldon High School: Note 2, clarification: Existing built-up roof consists of base, 3 inner plies, and standard cap sheet.

B. Scope of Work, South Eugene High School:

i) Change Line 2 to read as follows:

"1. Remove single ply membrane. Cover board to remain if it exists."

ii) Change Line 5 to read as follows:

"5. Install new single-ply roof, flashings, and other items as detailed and specified. Install cover board if none exists."

C. General Notes: Add the following:

"12. Mobile fall protections devices with penetrating spikes may not be used."

### 8. DRAWING SHEET 101

A. Keyed Note 5: Change detail reference from "C3/111" to "E3/111".

B. Roof Plan Legend: Clarification: Existing roof repair overlays to be removed consist of cap sheet installed by Owner over previously existing built-up roof.

9. DRAWING SHEET 102

A. Replace Drawing Sheet 102 with new Drawing Sheet 102 attached to this addendum.

Clarification: Drawing is revised as follows:

- i) FPA label added to fall protection anchor near west roof edge.
- ii) Revised detail reference for equipment support curb at high-voltage transformers near west roof edge.
- iii) Keyed Note 6 added and Keyed Note references at Penthouse #7 changed from "1" to "6".
- iv) Clarification made indicating that two sections of horizontal lifelines are to be provided under Alternate No. 2.
- v) Clarification made to Roof Plan Legend that existing roof repair overlays to be removed consist of cap sheet installed by Owner over previously existing built-up roof.

10. DRAWING SHEET 103

A. Roof Plan Legend:

- i) Change detail reference for FPA from "C1/110" to "C1/111".
- ii) Change detail references for SK from "B6/110" and "A5/110" to "C1/111" and "A5/111".

11. DRAWING SHEET 111

A. Replace Drawing Sheet 111 with new Drawing Sheet 111 attached to this addendum.

Clarification: Drawing is revised as follows:

- i) Detail A3 is modified to so that existing equipment support curbs shall may remain at their current heights.
- ii) Detail A4 is added to show equipment support platform at existing transformers.
- iii) Details A5 and B6, Clarification: Skylights may be temporarily removed to facilitate installation of screen assemblies.
- iv) Detail D3: Detail reference is corrected.

12. DRAWING SHEET 112

A. Detail A1: Clarification:

- i) Existing stressed skin panels are constructed with 5/8" plywood over 2x3 stringers at 16" on center with 5/8" foil backed gypsum board below.
- ii) Existing roof assembly (built-up roof over stressed skin panels) occurs at both east and west sides of school, with exception of Science Wing Addition.
- iii) Existing mechanical penthouse roof decking is nominal 4x6 tongue-and-groove wood decking.

- B. Detail A2, Tie-In to (E) BUR: Change Note 2 from "PMMA Flashing System" to "Two-Part Urethane Liquid Flashing System."

13. DRAWING SHEET 201

- A. Replace Drawing Sheet 201 with new Drawing Sheet 201 attached to this addendum.  
Clarification: Drawing is revised as follows:

- i) Scale of roof plan changed from 1/16" = 1'-0" to 1" = 10'-0"
- ii) Detail reference at north roof edge changed from "E4/211" to "E3/211".
- iii) Note added indicating that existing crickets were formed with tapered insulation.

14. DRAWING SHEET 211

- A. Replace Drawing Sheet 211 with new Drawing Sheet 211 attached to this addendum.  
Clarification: Drawing is revised as follows:

- i) Details D4 and E3 are added.
- ii) Details E4 and E5 are modified to include termination bars and new counterflashing.

15. DRAWING SHEET 301

- A. Clarification: PMMA Flashing is specified in Section 07 54 23.

**ATTACHMENTS**

Pre-Bid Conference List of Attendees  
Drawing Sheet 102  
Drawing Sheet 111  
Drawing Sheet 201  
Drawing Sheet 211

**END OF ADDENDUM NO. 1**

**SIGN-UP SHEET**

PRE-BID WALK THRU  
 Multisite Roofing 2019  
 Eugene, Oregon CIP # 420.780.209  
 Tuesday, March 26, 2019 @ 10:00 AM

Name	Company	Address and e-mail	Phone and FAX
Rod Roach	Smith Sheet Metal	253 S 15th Street Springfield 97477 estimating@smithsheetmetal.com	541-726-9194
JEFF Lutz	AL'S SHEET METAL	707 Powers St Elihu, OR 97402 jefflutz@q.com	541-484-1030 541-484-1932 FAX
Donald E Lurks	4 J	88721 fowlerber Elmora OR	501-868-4177
Patrick Gray	Impqua Roofing	<del>Patrick</del> patrick@impquaroofing.com	541-302-6850
Ben Tompkins	Impqua Roofing	ben@impquaroofing.com PO BOX 120, OR	(541) 302-6850
Paul Amos	Calrise Syntec	PAUL HARPER WINN - COM	(503) 481-5867
TIM Gribble	Preferred const.	Timgabuildwithpci.com	541-726-8990 541-954-4049
Randy Stahl	Belco Electric	rob@belcoees.com	541-844-5036
Rick Renner	Johns Manville	rck@roofingsg.com	503-849-7104

Glendon Hopkins  
 General Manager



**ARROW**  
 ROOFING & SHEET METAL, INC.

P.O. Box 55097  
 Portland, OR 97238  
[www.arrow-roofing.com](http://www.arrow-roofing.com)

Office: (503) 460-2767  
 Fax: (503) 460-2768  
 Cell: (503) 572-9574  
 Email: [glendon@arrow-roofing.com](mailto:glendon@arrow-roofing.com)

**DOCUMENT 00 41 13  
BID FORM - REVISED**

**BID FOR:** Multisite Roofing 2019

CIP Number: 420.780.209

Submitted to: Facilities Management  
Eugene School District 4J  
715 West Fourth Avenue3  
Eugene, Oregon 97402

Bid Deadline: 2:00 PM, April 4, 2019

Submitted by: \_\_\_\_\_  
(Company Name)

**BASE BID PACKAGE A: SHELDON HIGH SCHOOL**

Bid: \_\_\_\_\_ \$ \_\_\_\_\_  
(Words) (Figures)

The undersigned agrees, if awarded the Contract, to substantially complete all Base Bid Package A work on or before the dates specified in Section 01 11 00.

**BASE BID PACKAGE B: SOUTH EUGENE HIGH SCHOOL AND KENNEDY MIDDLE SCHOOL**

Bid: \_\_\_\_\_ \$ \_\_\_\_\_  
(Words) (Figures)

The undersigned agrees, if awarded the Contract, to substantially complete all Base Bid Package B work on or before the dates specified in Section 01 11 00.

**COMBINED BASE BID PACKAGE C: ALL SCHOOLS**

Bid: \_\_\_\_\_ \$ \_\_\_\_\_  
(Words) (Figures)

The undersigned agrees, if awarded the Contract, to substantially complete all Base Bid Package D work on or before the dates specified in Section 01 11 00.

The undersigned understands that the Owner may award contracts for each Base Bid Package separately or a combination of Base Bid Packages; whichever results in the lowest cost to the Owner.

**ALTERNATE BIDS**

The Undersigned proposes to add to the Base Bid indicated above the items of work relating to the following Alternates as described in the Project Manual, Section 01 23 00.

**ALTERNATE NO. 1: FALL PROTECTION DEVICES AT WEST HALF OF SHELDON HIGH SCHOOL**

Bid: \_\_\_\_\_ \$ \_\_\_\_\_  
(Words) (Figures)

The undersigned agrees, if awarded the Contract, to substantially complete all Alternate No. 1 work on or before dates specified in Section 01 11 00.

**ALTERNATE NO. 2: REPAIR ENTIRE LENGTH OF ROOF EDGES AT KENNEDY MIDDLE SCHOOL BUILDINGS E, F, AND G.**

Bid: \_\_\_\_\_ \$ \_\_\_\_\_  
(Words) (Figures)

The undersigned agrees, if awarded the Contract, to substantially complete all Alternate No. 1 work on or before dates specified in Section 01 11 00.

**ALTERNATE NO. 3: DEMOLISH EXISTING ROOFING AT SHELDON HIGH SCHOOL.**

Bid: \_\_\_\_\_ \$ \_\_\_\_\_  
 (Words) (Figures)

The undersigned agrees, if awarded the Contract, to substantially complete all Alternate No. 1 work on or before dates specified in Section 01 11 00.

**BID SECURITY**

Accompanying herewith is Bid Security, which is not less than ten percent (10%) of the total amount of the Base Bid plus additive alternates.

**STIPULATIONS**

The undersigned acknowledges the liquidated damages provision included in the Supplementary Conditions.

The undersigned agrees, if awarded the contract, to comply with the provisions of Oregon Revised Statutes 279C.800 through 279C.870 pertaining to the payment of prevailing rates of wage.

The undersigned agrees if awarded the contract to comply with Oregon Revised Statutes 326.603 giving the Owner authority to obtain fingerprints and criminal records check of Contractors, their employees, and subcontractors providing labor for the Project.

The undersigned agrees, if awarded the Contract, to execute and deliver to the Owner within ten (10) working days after receiving contract forms, an Agreement and a satisfactory Performance Bond and Payment Bond each in an amount equal to 100 percent (100%) of the Contract Sum.

For every Agreement of \$1000,000 or greater in value, all Contractors and Subcontractors shall have a public works bond in the amount of \$30,000, filed with the Construction Contractors’ Board (CCB), in compliance with ORS 279C.836, before starting work on the project unless exempt. Contractor agrees to provide a copy of the Contractor's BOLI Public Works bond with the signed Agreement as Specified in the Supplementary Conditions.

The undersigned agrees that the Bid Security accompanying this proposal is the measure of liquidated damages which the Owner will sustain by the failure of the undersigned to execute and deliver the above named agreement and bonds; and that if the undersigned defaults in executing that agreement within ten (10) days after forms are provided or providing the bonds, then the Bid Security shall become the property of the Owner; but if this proposal is not accepted within sixty (60) days of the time set for the opening of bids, or if the undersigned executes and delivers said agreement and bonds, the Bid Security shall be returned.

By submitting this Bid, the Bidder certifies that the Bidder:

- a) has available the appropriate financial, material, equipment, facility and personnel resources and expertise, or the ability to obtain the resources and expertise, necessary to meet all contractual responsibilities;
- b) has a satisfactory record of past performance;
- c) has a satisfactory record of integrity, and is not disqualified under ORS 279C.440;
- d) is qualified legally to contract with the Owner; and
- e) will promptly supply all necessary information in connection with any inquiry the Owner may make concerning the responsibility of the Bidder.

Prior to award of a Contract, the Bidder shall submit appropriate documentation to allow the Owner to determine whether or not the Bidder is “responsible” according to the above criteria.

The contractor agrees with the provisions of Oregon Revised Statutes 279C.505, which requires that the contractor shall demonstrate it has established a drug-testing program for employees and will require each subcontractor providing labor for the Project to do the same.

The undersigned has received addenda numbers \_\_\_\_\_ to \_\_\_\_\_ inclusive and has included their provisions in the above Bid amounts.

The undersigned has visited the site to become familiar with conditions under which the Work is to be performed and has correlated the Bidder's personal observations with the requirements of the proposed Contract Documents.



The undersigned certifies that the Bidder is a \_\_\_\_\_ Bidder under ORS. ("Resident" or "Non-resident", to be filled in by Bidder)

Names of Firm: \_\_\_\_\_

Street Address: \_\_\_\_\_  
(City) (State) (Zip)

Telephone Number: \_\_\_\_\_ FAX Number: \_\_\_\_\_

Email Address: \_\_\_\_\_

Signed By: \_\_\_\_\_ Printed Name: \_\_\_\_\_  
(Signature of Authorized Official. If bid is from a partnership, one of the partners must sign bid).

Date Signed: \_\_\_\_\_

Official Capacity: \_\_\_\_\_

If corporation, attest: \_\_\_\_\_ Date: \_\_\_\_\_  
(Secretary of Corporation)

SEAL (If Corporate) \_\_\_\_\_ Corporation  
\_\_\_\_\_ Partnership  
\_\_\_\_\_ Individual

Enclosed: Bid Security, Non-Discrimination Requirement, Non-Collusion Affidavit, First-Tier Subcontractor Disclosure Form

**NON-DISCRIMINATION REQUIREMENT**

Contractor certifies that the Contractor has not discriminated against minorities, women, or emerging small business enterprises in obtaining any required subcontracts.

The Contractor agrees not to discriminate against any client, employee, or applicant for employment or for services, because of race, color, religion, sex, national origin, physical or mental handicap, sexual orientation or age, unless based upon bona fide occupational qualifications, and that they are otherwise in compliance with all federal, state and local laws prohibiting discrimination, with regard to, but not limited to, the following: Employment upgrading, demotion or transfer; Recruitment or recruitment advertising; Layoffs or termination; Rates of pay or other forms of compensation; Selection for training; Rendition of services. It is further understood that any vendor who is in violation of this clause shall be barred forthwith from receiving awards of any purchase order from the School District, unless a satisfactory showing is made that discriminatory practices have terminated and that a recurrence of such acts is unlikely.

FIRM NAME \_\_\_\_\_

ADDRESS \_\_\_\_\_

TELEPHONE \_\_\_\_\_

BY \_\_\_\_\_  
(Company or Firm Officer)

BY \_\_\_\_\_  
(Type or Print Name)

**NON-COLLUSION AFFIDAVIT**

STATE OF \_\_\_\_\_)

County of \_\_\_\_\_)

I state that I am \_\_\_\_\_ of \_\_\_\_\_  
(Title) (Name of Firm)

and that I am authorized to make this affidavit on behalf of my firm, and its owners, directors, and officers. I am the person responsible in my firm for the price(s) and the amount of this bid.

I state that:

(1) The price(s) and amount of this bid have been arrived at independently and without consultation, communication or agreement with any other contractor, bidder or potential bidder, except as disclosed on the attached appendix.

(2) That neither the price(s) nor the amount of this bid, and neither the approximate price(s) nor approximate amount of this bid, have been disclosed to any other firm or person who is a bidder or potential bidder, and they will not be disclosed before bid opening.

(3) No attempt has been made or will be made to induce any firm or person to refrain from bidding on this contract, or to submit a bid higher than this bid, or to submit any intentionally high or noncompetitive bid or other form of complementary bid.

(4) The bid of my firm is made in good faith and not pursuant to any agreement or discussion with, or inducement from, any firm or person to submit a complementary or noncompetitive bid.

(5) \_\_\_\_\_, its affiliates, subsidiaries, officers, directors and  
(Name of my Firm)

employees are not currently under investigation by any governmental agency and have not in the last four years been convicted of or found liable for any act prohibited by State or Federal law in any jurisdiction, involving conspiracy or collusion with respect to bidding on any public contract, except as described on the attached appendix.

I state that \_\_\_\_\_ understands and acknowledges that the above representations  
(Name of my Firm)

are material and important, and will be relied on by School District 4J in awarding the contract(s) for which this bid is submitted. I understand and my firm understands that any misstatement in this affidavit is and shall be treated as fraudulent concealment from School District 4J of the true facts relating to the submission of bids for this contract.

\_\_\_\_\_  
(Authorized Signature)

Sworn to and subscribed before me this \_\_\_\_\_ day of \_\_\_\_\_, 2019

\_\_\_\_\_  
(Notary Public for Oregon)

My Commission Expires: \_\_\_\_\_

**END OF BID FORM**

**ALTERNATES****PART 1 GENERAL****1.01 SECTION INCLUDES**

- A. Description of Alternates.
- B. Procedures for pricing Alternates.
- C. Documentation of changes to Contract Price and Contract Time.

**1.02 RELATED REQUIREMENTS**

- A. Document 00 21 13 - Instructions to Bidders: Instructions for preparation of pricing for Alternates.
- B. Document 00 52 13 – Form of Agreement: Incorporating monetary value of accepted Alternates.

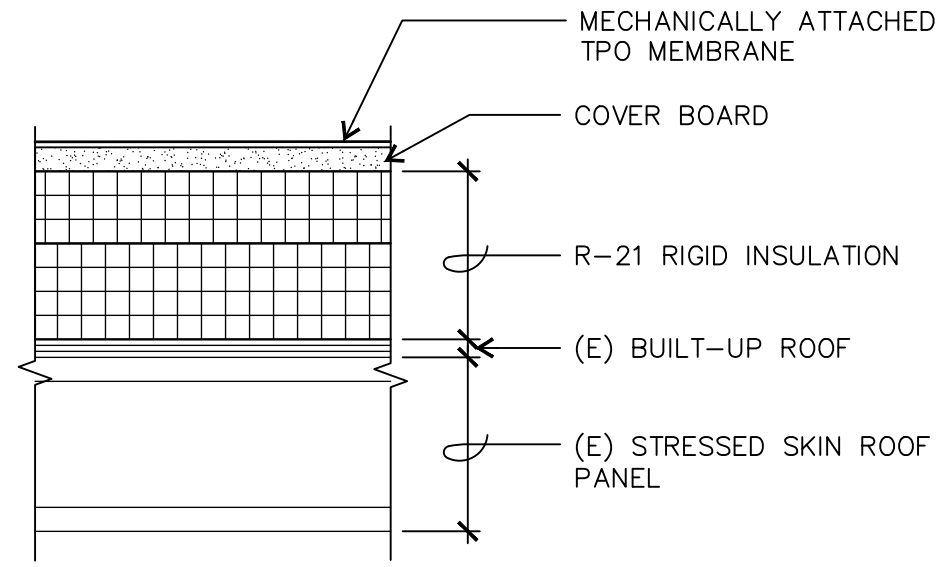
**1.03 ACCEPTANCE OF Alternates**

- A. Alternates quoted on Bid Forms will be reviewed and accepted or rejected at Owner's option. Accepted Alternates will be identified in the Owner-Contractor Agreement.
- B. Coordinate related work and modify surrounding work to integrate the Work of each Alternate.

**1.04 SCHEDULE OF Alternates**

- A. Alternate No. 1 - Fall Protection Devices at West Half of Sheldon High School:
  - 1. Base Bid Item: Fall protection devices at east half of Sheldon High School and at South Eugene High School.
  - 2. Alternate Bid Item: Fall protection systems and skylight screens at west half of Sheldon High School as indicated on roof plans on Drawing Sheets 103 and 104.
- B. Alternate No. 2 - Repair Entire Length of Roof Edges at Kennedy Repair Middle School Buildings E, F, and G:
  - 1. Base Bid Item: Repair roof edges indicated on roof plan on Sheet 301.
  - 2. Alternate Bid Item: Repair all roof edges at Kennedy Middle School Buildings E, F, and G.
- C. Alternate No. 3 – Demolish Existing Roofing at Sheldon High School:
  - 1. Base Bid Item: Install new roofing system over existing built-up roofing at Sheldon High School.
  - 2. Alternate Bid Item: Remove existing built up roof system to expose wood deck at Sheldon High School. Prepare decking and install new roofing system and vapor retarder.

**PART 2 PRODUCTS - NOT USED****PART 3 EXECUTION - NOT USED****END OF SECTION**

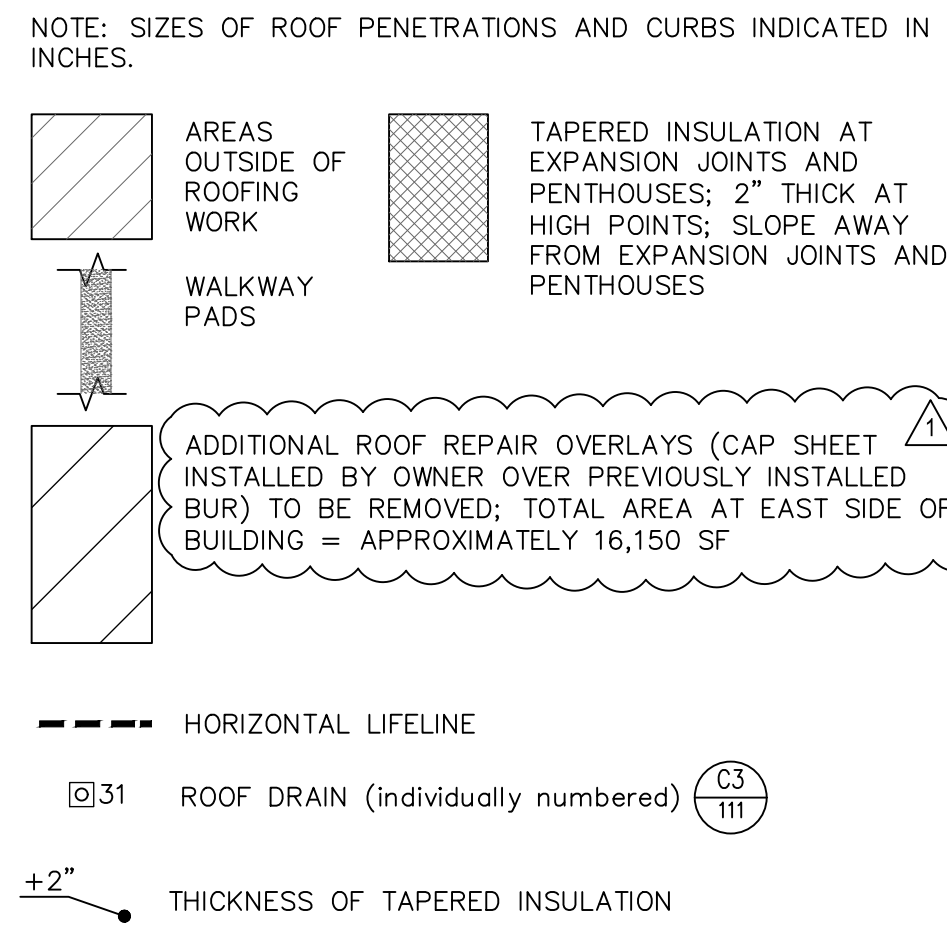


**A1**  
102  
3" = 1'-0"

**GENERAL NOTES** REFER ALSO TO GENERAL NOTES ON SHEET 002

- EXISTING BUILT-UP ROOF TO REMAIN. CUT OUT BLISTERS AND OTHER DEFECTS. FILL VOIDS FROM CUTOUTS AND REPAIR VAPOR RETARDER WHERE DAMAGED.
- REMOVE AIR VENTS, ROOF VENTS AND OTHER EQUIPMENT AS REQUIRED TO EXTEND CURBS AND INSTALL FLASHINGS AS INDICATED ON DRAWINGS. REPLACE MOPPED-IN COLLAR FLASHINGS WITH NEW. PROVIDE DISCONNECT SWITCHES AT ROOF EXHAUST FANS PER SECTION 26 05 00.
- INSTALL NEW INSULATION, COVER BOARD, SINGLE-PLY ROOF, FLASHINGS, AND OTHER ITEMS AS DETAILED AND SPECIFIED.
- REINSTALL EQUIPMENT AND FLASHINGS SALVAGED FOR REUSE. PAINT NEW AND EXISTING ROOFTOP EQUIPMENT AND SHEET METAL EXCEPT PRE-FINISHED METAL.
- EXTEND CURBS, PLUMBING VENTS, AND OTHER ITEMS WHERE NECESSARY AS INDICATED IN DETAILS.
- QUANTITIES AND LOCATIONS OF ROOF MOUNTED EQUIPMENT ARE BASED ON CASUAL OBSERVATION AND ORIGINAL CONSTRUCTION DOCUMENTS. VERIFY ACTUAL QUANTITIES AND LOCATIONS.
- LOCATIONS OF FALL PROTECTION ANCHORS ARE BASED ON ASSUMED CENTER LINES OF EXISTING GLU-LAM BEAMS. VERIFY ACTUAL LOCATIONS OF BEAMS PRIOR TO INSTALLING ANCHORS. NOTIFY ARCHITECT IF ANCHOR LOCATIONS MUST BE ADJUSTED DUE TO BEAM-MOUNTED CONDUIT OR OTHER ITEMS THAT MAY INTERFERE WITH INSTALLATION.
- REFER TO C3/112 FOR LOCATION OF FALL PROTECTION ANCHORS WHERE ACCESS TO STRESSED SKIN PANELS OCCURS FROM BELOW. REFER TO C1/112 WHERE ACCESS FROM BELOW IS LIMITED BY PLASTER OR GYPSUM BOARD CEILING.

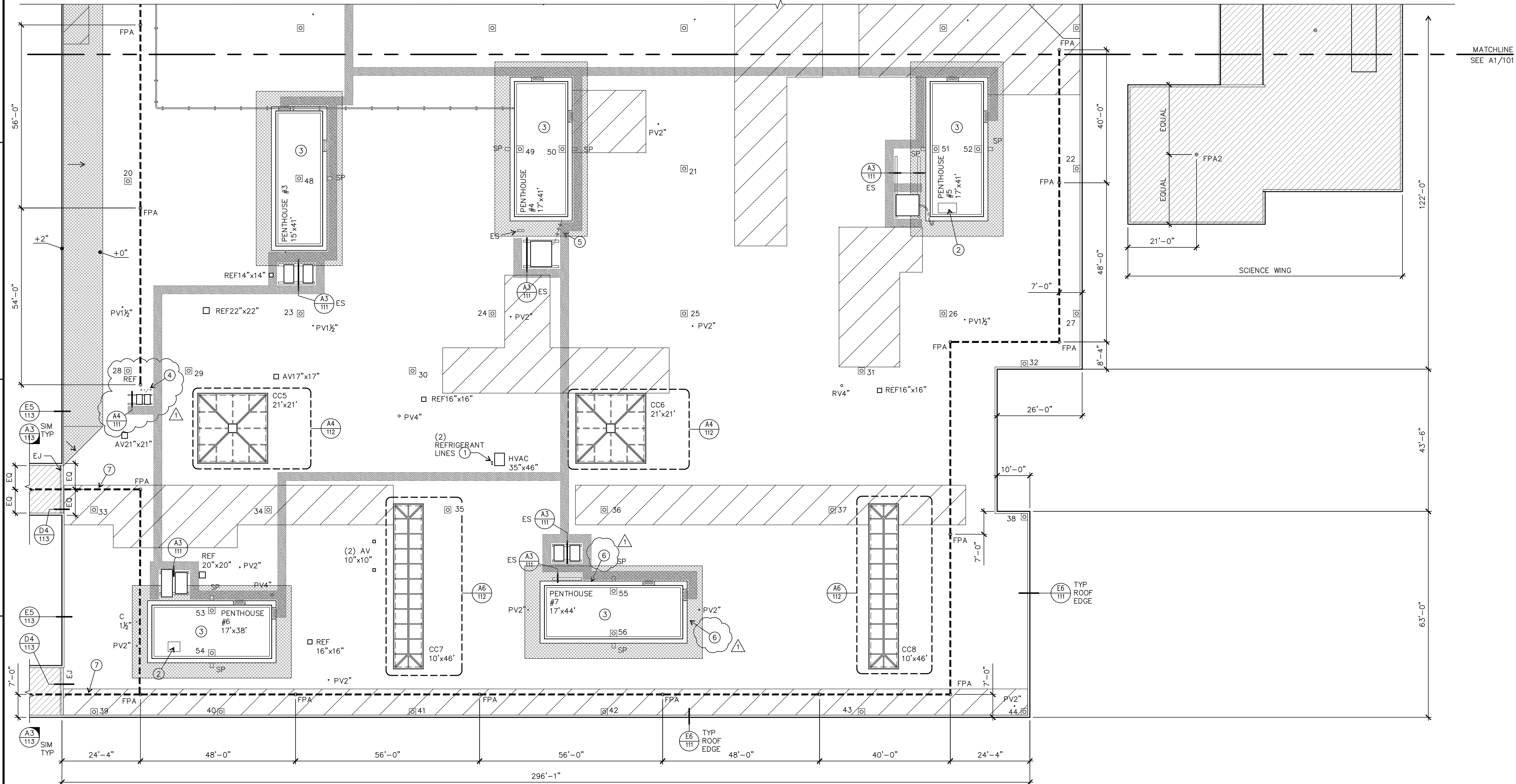
**ROOF PLAN LEGEND**



AV	(E) AIR VENTILATOR	(E3/111) SIM
CC	(E) COURTYARD COVER (individually numbered)	(A4/112) (A6/112)
ES	(E) EQUIPMENT SUPPORT CURB	(A3/111)
EJ	(E) EXPANSION JOINT	(D4/113)
FPA	FALL PROTECTION ANCHOR	(C1/111)
FPA2	FALL PROTECTION ANCHOR AT SCIENCE WING	(D1/112)
PV	(E) PLUMBING VENT	(E1/111)
REF	(E) ROOF EXHAUST FAN	(E5/111)
SP	SPLASH PAN	(E5/111)

**KEYED NOTES**

- PROVIDE SEALANT POCKET AT FLEXIBLE REFRIGERANT PIPING
- EQUIPMENT ACCESS HATCH W/ SHEET METAL CAP; EXTEND CURB & FLASH SIMILAR TO (E3/111)
- SEE (E1/101) FOR TYPICAL PENTHOUSE ROOF PLAN.
- (5) CONDUIT & CONDENSATE LINE PENETRATIONS
- (3) (E) PIPE SUPPORT PEDESTALS
- EXTEND CONDENSATE DRAIN (D3/111)
- PROVIDE THIS SECTION OF LIFELINE UNDER ALTERNATE NO. 1



**A1**  
102  
1/16" = 1'-0"

Robertson | Sherwood | Architects PC  
132 EAST BROADWAY, SUITE 540  
EUGENE, OREGON 97401  
541-342-8077  
www.robertsonsherwood.com

**MULTISITE ROOFING 2019**  
**EUGENE SCHOOL DISTRICT 4J**  
**C.I.P. NO. 420-780-209**

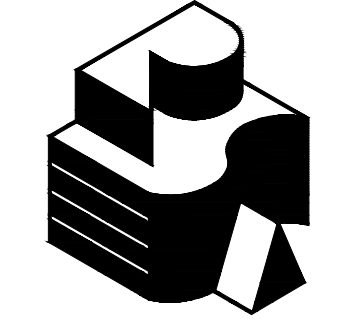
Sheldon High School  
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MARK	DATE	DESCRIPTION
▲	4/1/19	ADDM NO. 1

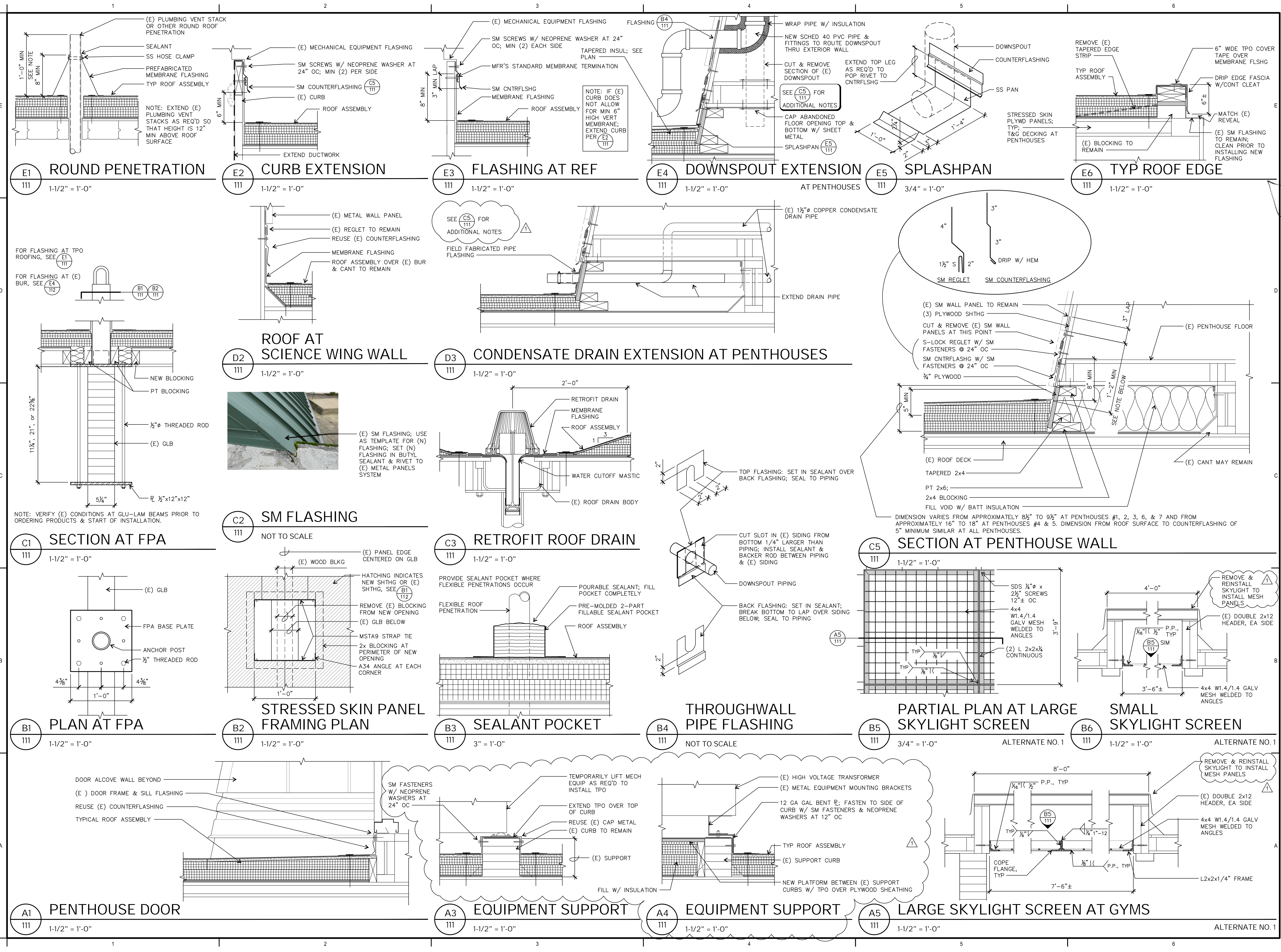
ISSUE DATE: 20 MARCH 2019  
ISSUE: CONSTRUCTION DOCUMENTS  
PROJECT NO: 1901  
DRAWN BY: BDH  
CHECKED BY: JMR  
© ROBERTSON | SHERWOOD | ARCHITECTS PC 2019 ORIGINAL SHEET SIZE: 24"X36"

SHELDON HIGH SCHOOL  
ROOF PLAN - SOUTHEAST  
BASE BID PACKAGE A





Robertson | Sherwood | Architects PC  
 132 EAST BROADWAY, SUITE 540  
 EUGENE, OREGON 97401  
 541-342-8077  
 www.robertsonsherwood.com



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**EUGENE SCHOOL DISTRICT 4J**  
**C.I.P. NO. 420-780-209**

Sheldon High School  
 South Eugene High School  
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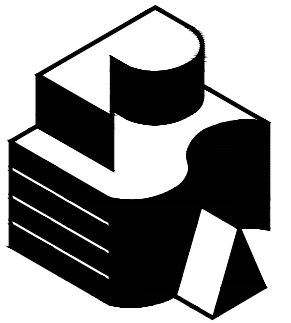
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▲	4/1/19	ADDM NO. 1

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 PROJECT NO: 1901  
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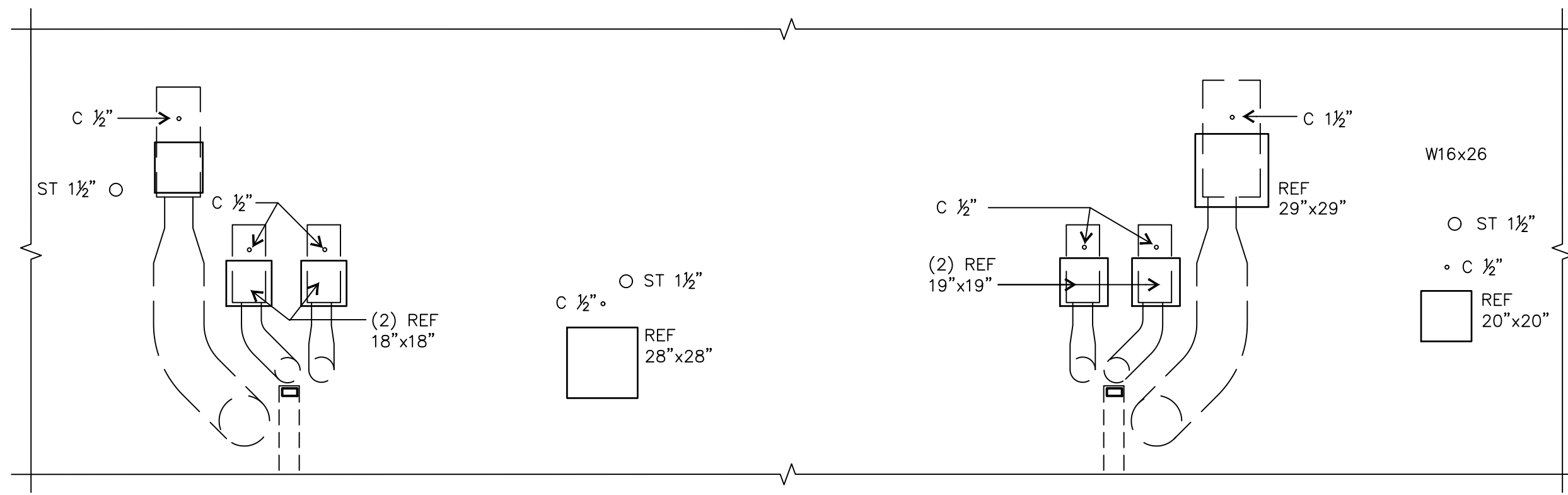
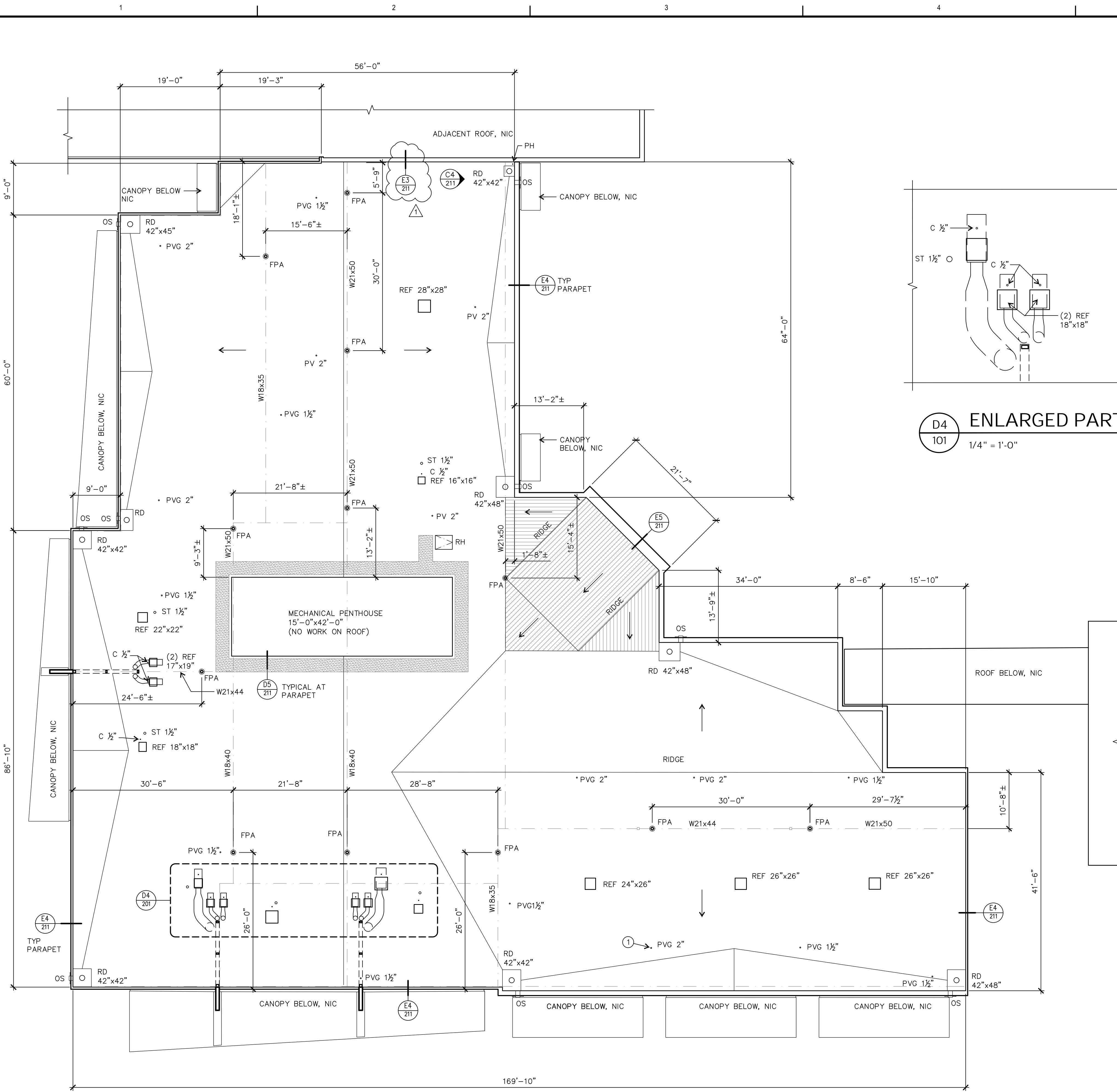
SHELDON HIGH SCHOOL  
 DETAILS  
 BASE BID PACKAGE A  
 & ALTERNATE NO. 1

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**D4 101** ENLARGED PARTIAL ROOF PLAN  
1/4" = 1'-0"

**GENERAL NOTES** REFER ALSO TO GENERAL NOTES ON SHEET 002

- SEE (E6 211) FOR TYPICAL ROOF ASSEMBLY
- REMOVE EXISTING SINGLE PLY MEMBRANE ROOF, MEMBRANE FLASHING, AND COVER BOARD IF IT EXISTS. EXISTING RIGID INSULATION TO REMAIN.
- NOTIFY ARCHITECT IF WET OR DAMAGED INSULATION IS DISCOVERED DURING DEMOLITION.
- ROOF IS STRUCTURALLY SLOPED. EXISTING CRICKETS WERE FORMED WITH TAPERED INSULATION.

**ROOF PLAN LEGEND**

NOTE: SIZES OF ROOF PENETRATIONS AND CURBS INDICATED IN INCHES.

- HATCHING INDICATES STEEP SLOPED ROOF TO RECEIVE FULLY ADHERED MEMBRANE
- NEW WALKWAY PADS
- SLOPE
- C ELECTRICAL CONDUIT PENETRATION (D6 211) SIM
- FPA FALL PROTECTION ANCHOR (A6 211)
- OS (E) OVERFLOW SCUPPER (A3 211)
- PV (E) PLUMBING VENT (D6 211)
- PVG (E) GLASS PLUMBING VENT (D6 211)
- RD (E) ROOF DRAIN (B5 211)
- REF (E) ROOF EXHAUST FAN (C6 211)
- RH (E) ROOF HATCH (A5 211)

W21x44 (ETC.) SIZE OF (E) WIDE FLANGE ROOF BEAM AT LOCATION OF FALL PROTECTION ANCHOR

**KEYED NOTES**

- REPLACE BROKEN GLASS PLUMBING VENT. PROVIDE GLASS PIPING, SIMILAR TO KIMAX TUBING BY SHOTT NORTH AMERICA A (WWW.US.SCHOTT.COM). REPLACE EXISTING COUPLING (KIMAX #6650 OR #6661) BELOW ROOF DECK IF REQUIRED FOR REPLACEMENT OF VENT PIPE.

**A1 201** SOUTH EUGENE HIGH SCHOOL SCIENCE WING ROOF PLAN  
1" = 10'-0"

**MULTISITE ROOFING 2019**  
**EUGENE SCHOOL DISTRICT 4J**  
**C.I.P. NO. 420-780-209**  
Sheldon High School  
South Eugene High School  
Kennedy Middle School

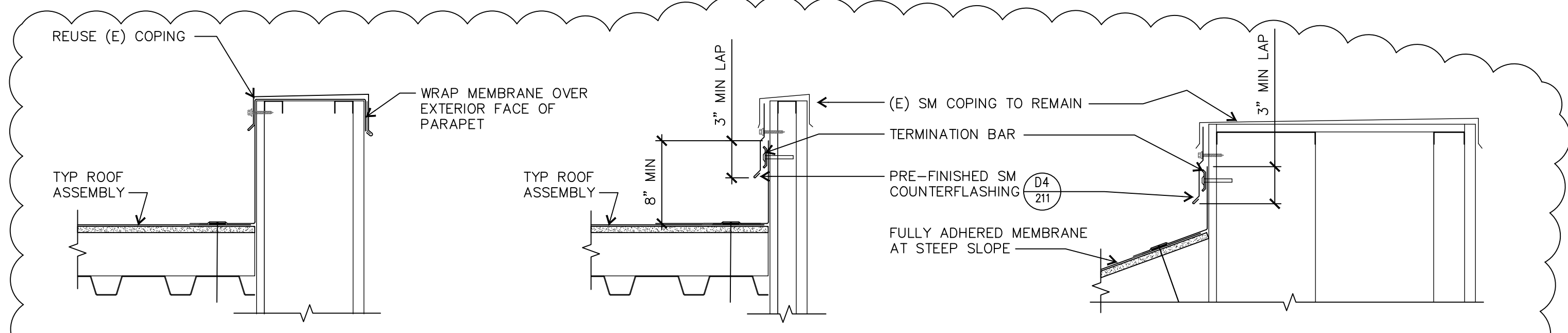
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SOUTH EUGENE HIGH SCHOOL SCIENCE WING ROOF PLAN  
BASE BID PACKAGE B

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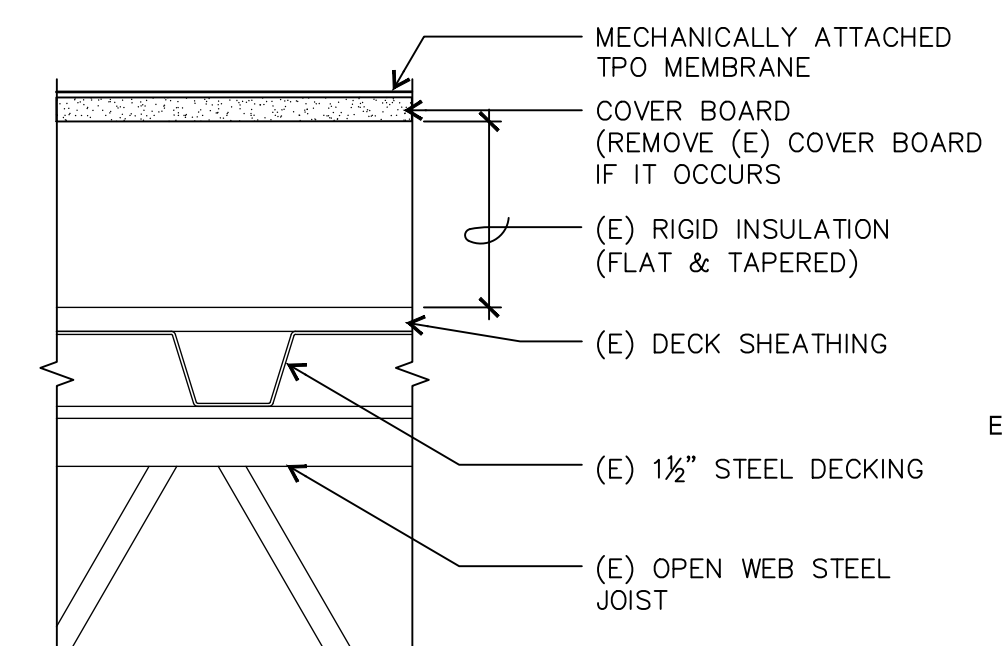
1 2 3 4 5 6



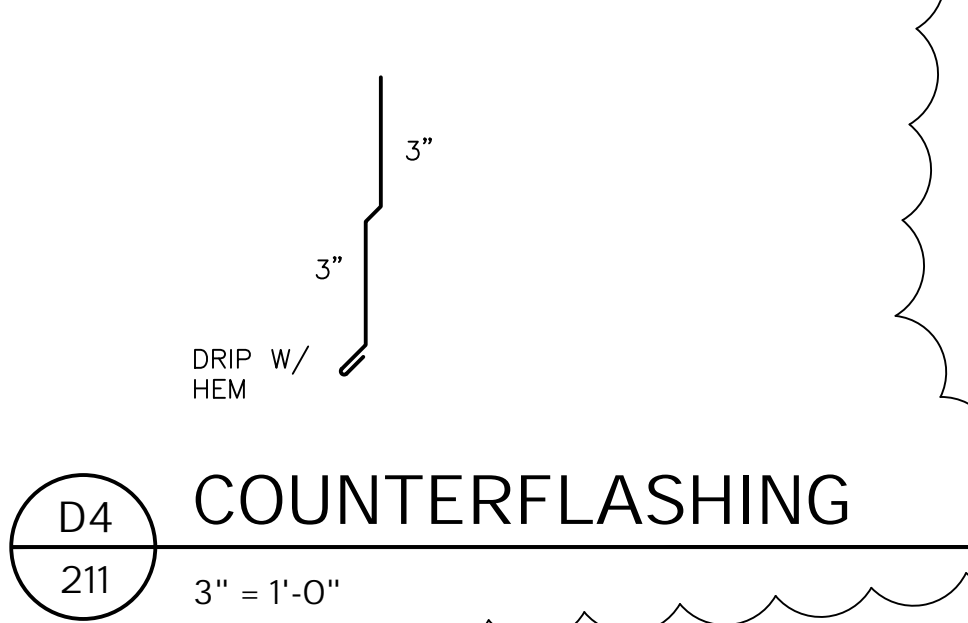
**E3**  
211  
ROOF AT N. PARAPET  
1-1/2" = 1'-0"

**E4**  
211  
TYP ROOF AT PARAPET  
1-1/2" = 1'-0"

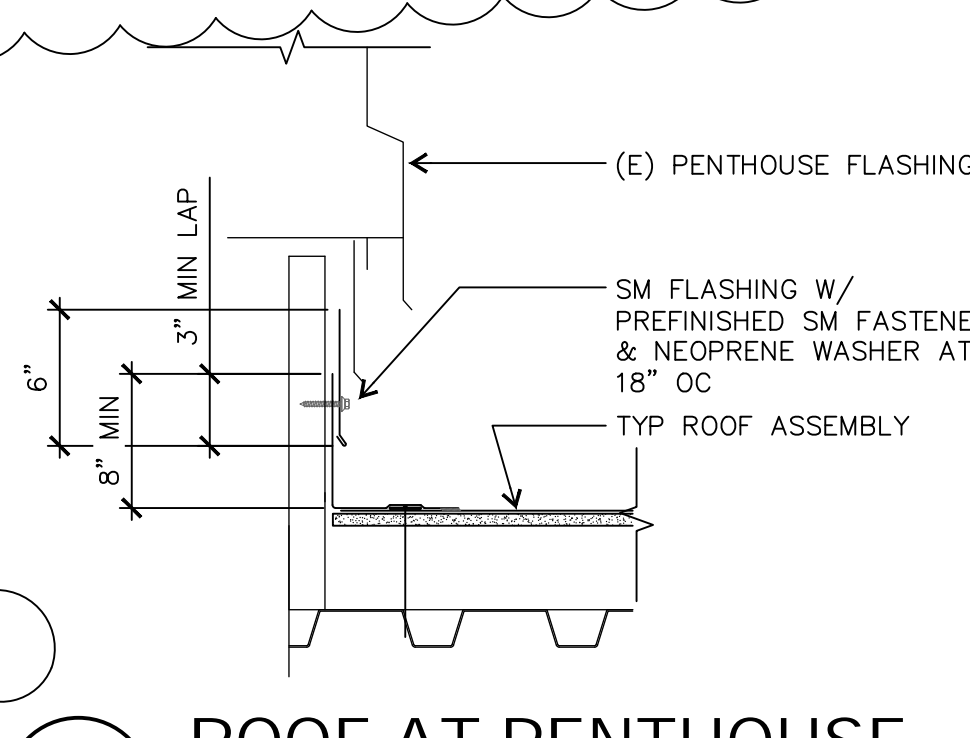
**E5**  
211  
ROOF AT PARAPET  
1-1/2" = 1'-0"



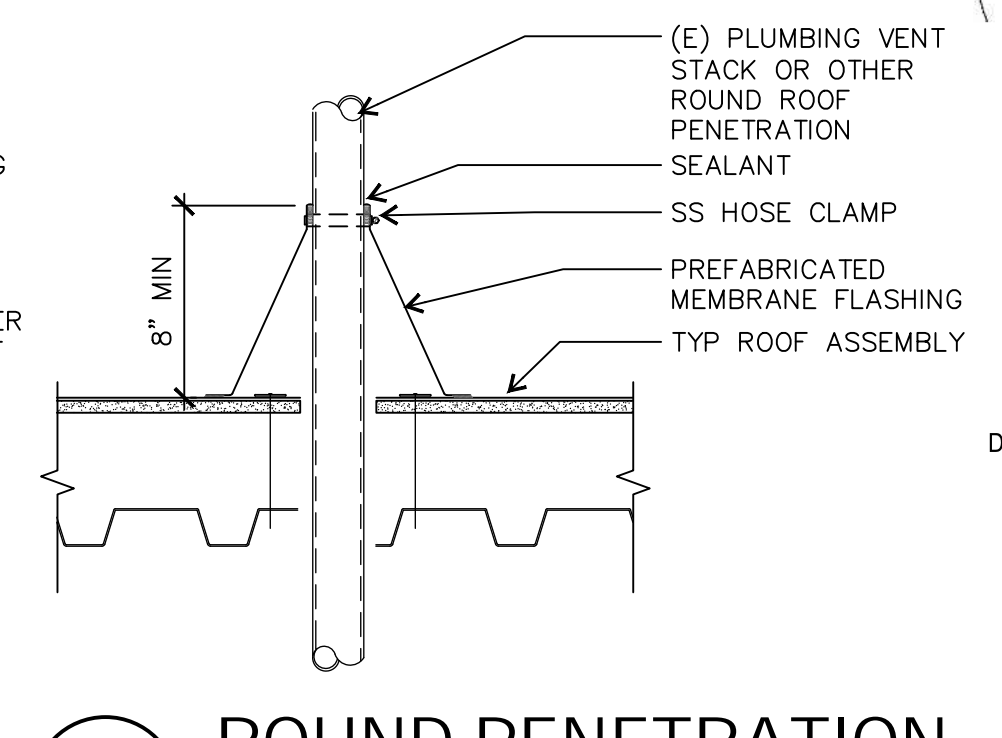
**E6**  
211  
TYP ROOF ASSEMBLY  
3" = 1'-0"



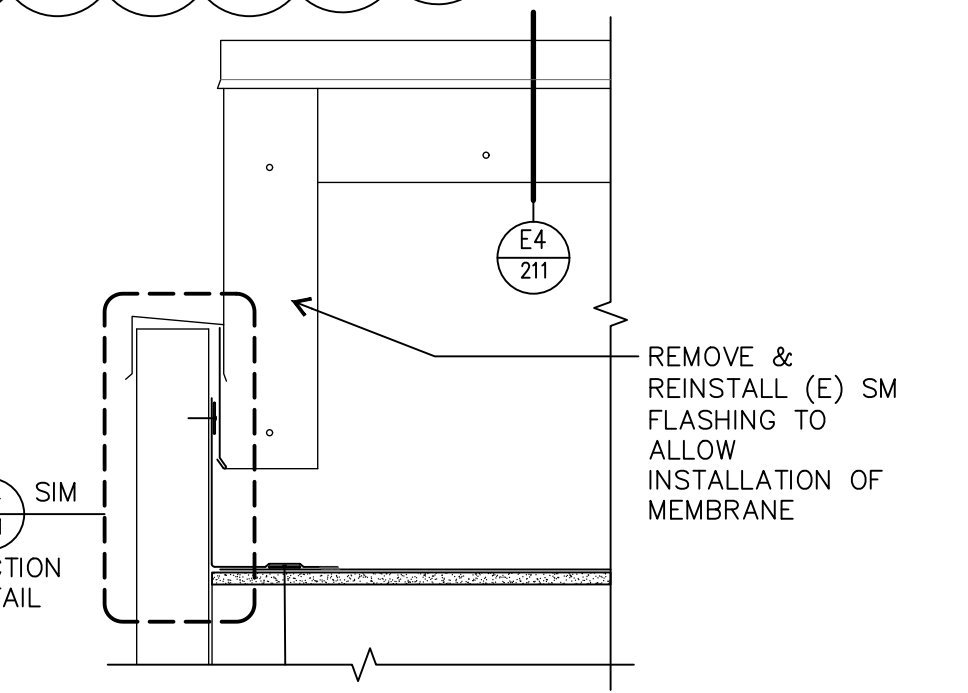
**D4**  
211  
COUNTERFLASHING  
3" = 1'-0"



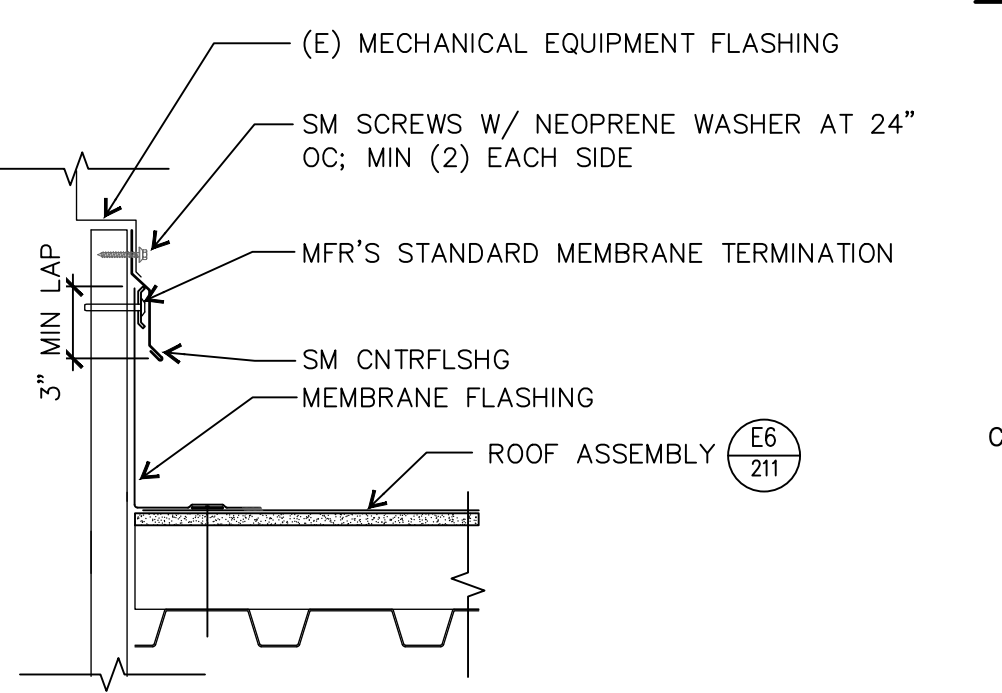
**D5**  
211  
ROOF AT PENTHOUSE  
1-1/2" = 1'-0"



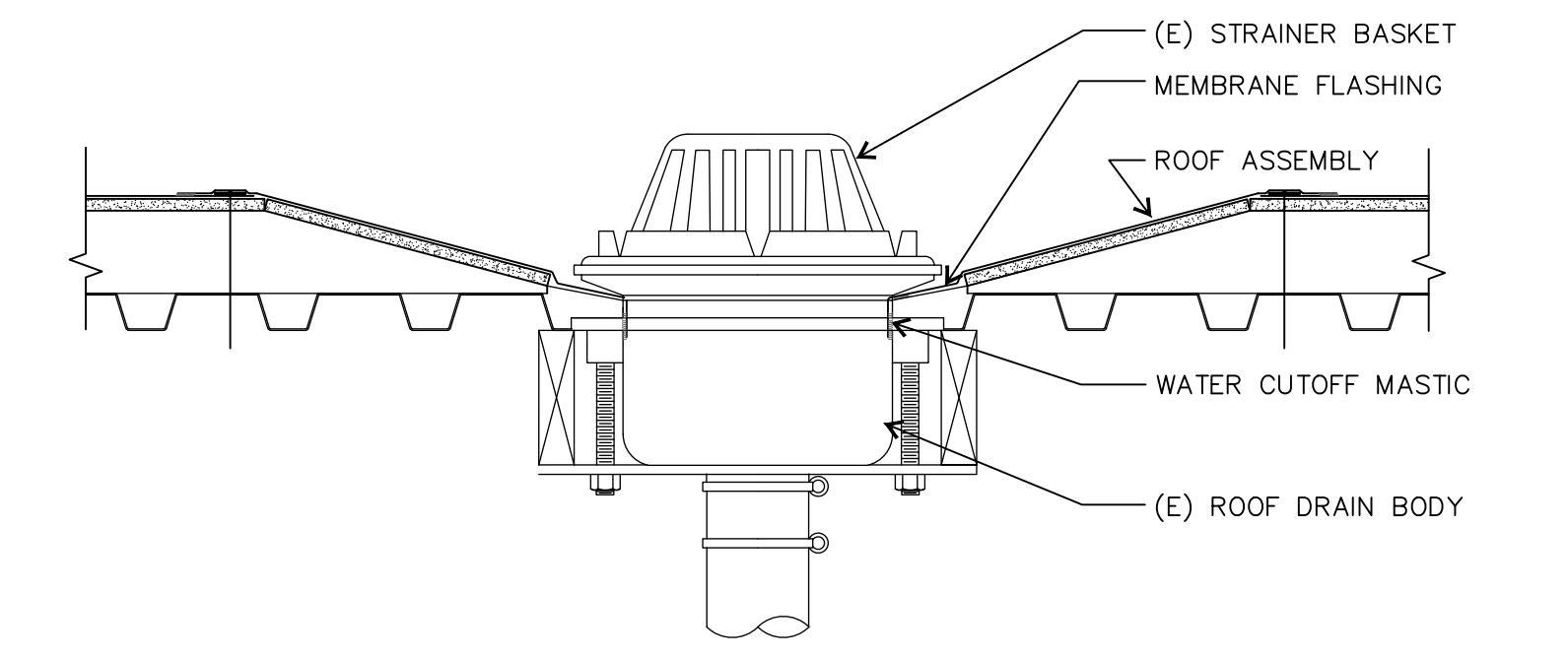
**D6**  
211  
ROUND PENETRATION  
1-1/2" = 1'-0"



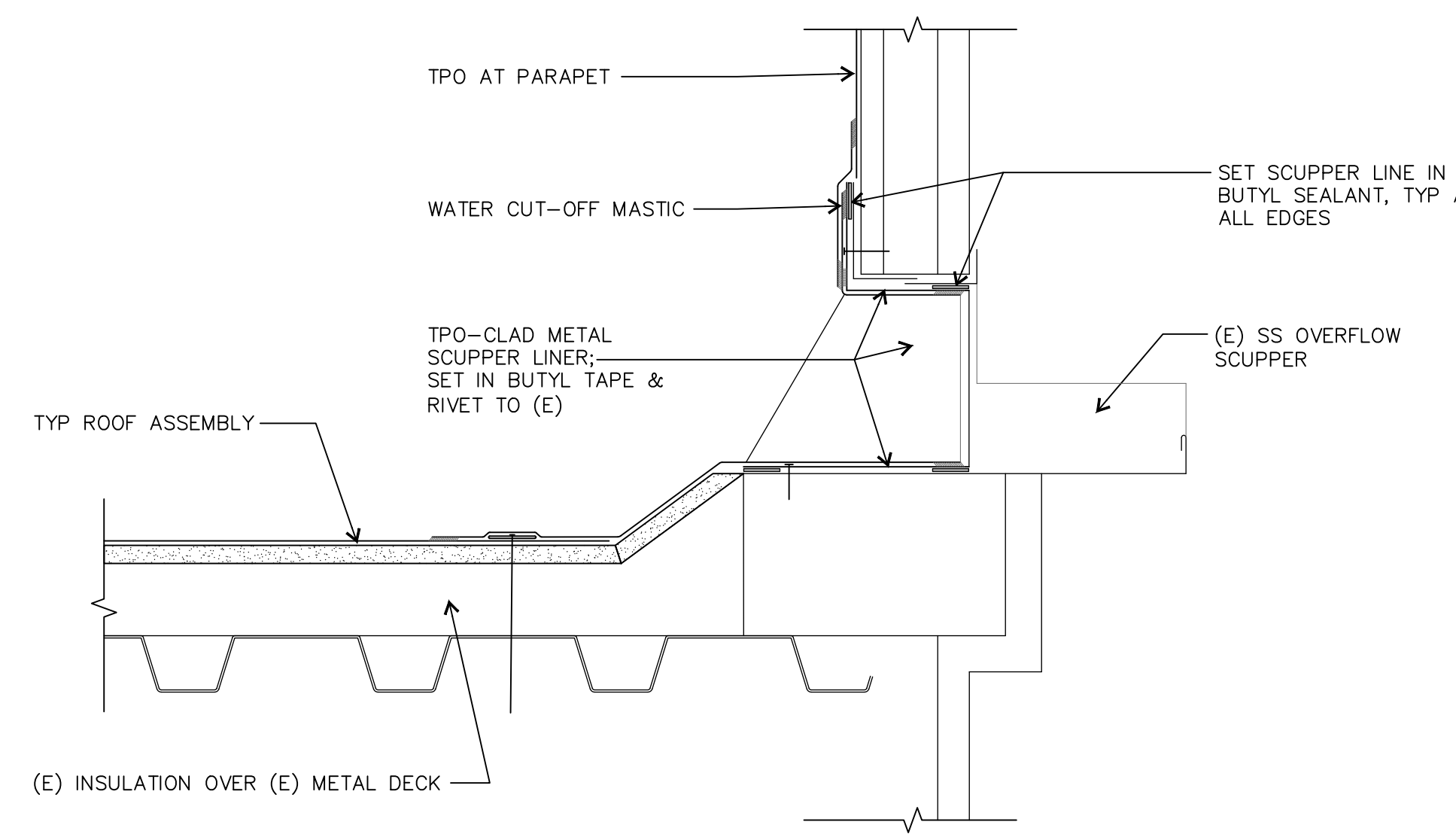
**C4**  
211  
ELEVATION AT END OF PARAPET  
1-1/2" = 1'-0"



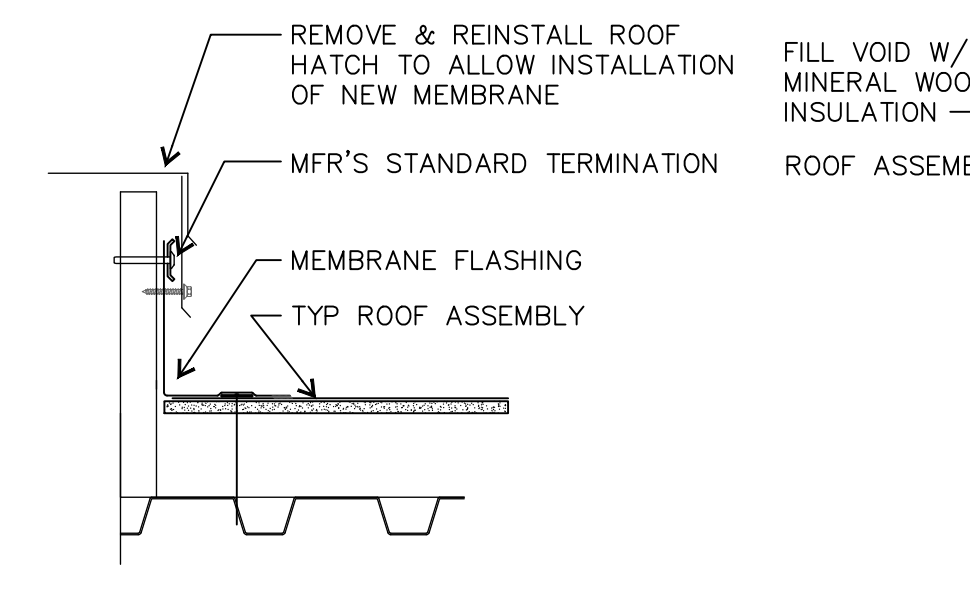
**C6**  
211  
FLASHING AT REF  
1-1/2" = 1'-0"



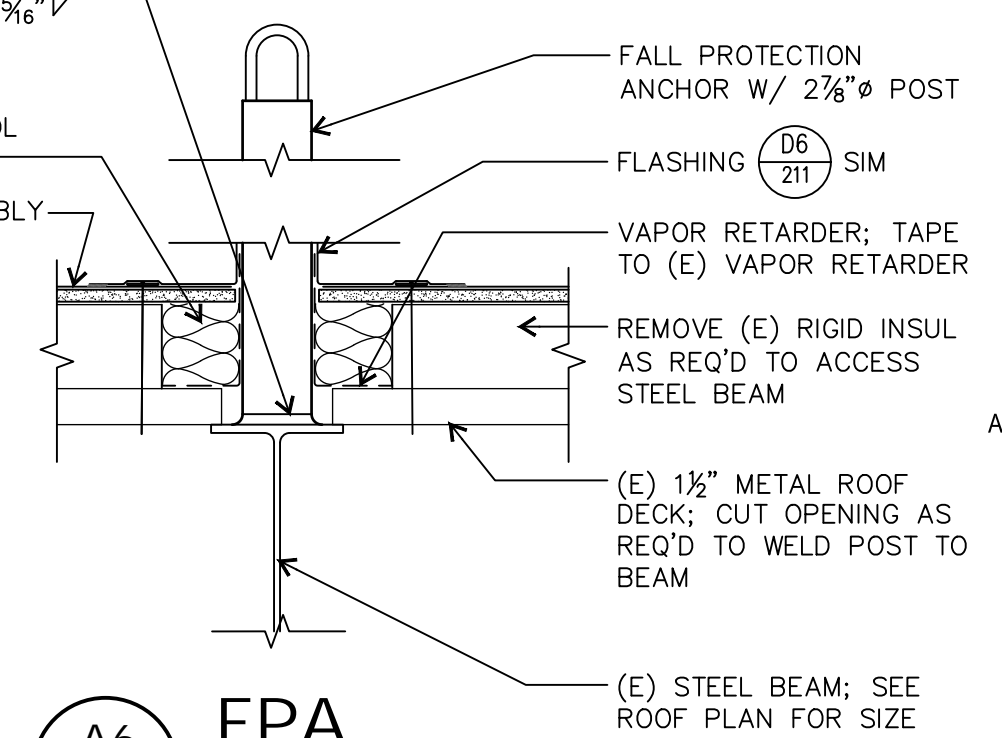
**B5**  
211  
ROOF DRAIN  
1-1/2" = 1'-0"



**A3**  
211  
OVERFLOW SCUPPER  
3" = 1'-0"



**A5**  
211  
ROOF HATCH  
1-1/2" = 1'-0"



**A6**  
211  
FPA  
1-1/2" = 1'-0"

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SOUTH EUGENE HIGH SCHOOL  
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**211**

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