

PROJECT

REROOFING PROJECT FOR ROOSEVELT COMMUNITY EDUCATION CENTER

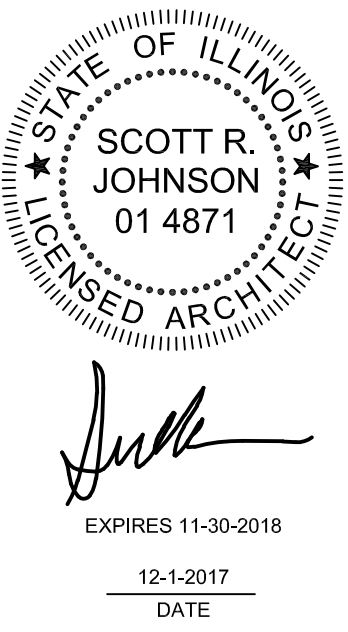

978 HASKELL AVENUE
ROCKFORD, ILLINOIS 61104

OWNER


ROCKFORD PUBLIC SCHOOL DISTRICT 205

501 SEVENTH STREET
ROCKFORD, ILLINOIS 61104



<div>ARCHITECT OF RECORD</div> <div>RICHARD L. JOHNSON ASSOCIATES 4703 Charles Street Rockford IL. 61108 PHONE: 815/398-1231 FAX 815/398-1280 www.rljarch.com IL. Design Firm No. 187-000524</div> <div></div>		CIVIL	STRUCTURAL	MECHANICAL / ELECTRICAL / PLUMBING	FOOD SERVICE
<div>SHEET INDEX</div> <div><div>TITLE SHEET</div><div>T101 TITLE SHEET</div><div>ARCHITECTURAL</div><div>A101 OVERALL ROOF PLAN</div><div>A102 DETAILS</div></div>				BID INDEX	STATE MAP <div></div>

REROOFING PROJECT FOR ROOSEVELT COMMUNITY EDUCATION CENTER
ROCKFORD PUBLIC SCHOOL DISTRICT 205
ROCKFORD, ILLINOIS 61104

**RICHARD L. JOHNSON**
ASSOCIATES | ARCHITECTS

PROJECT INFORMATION

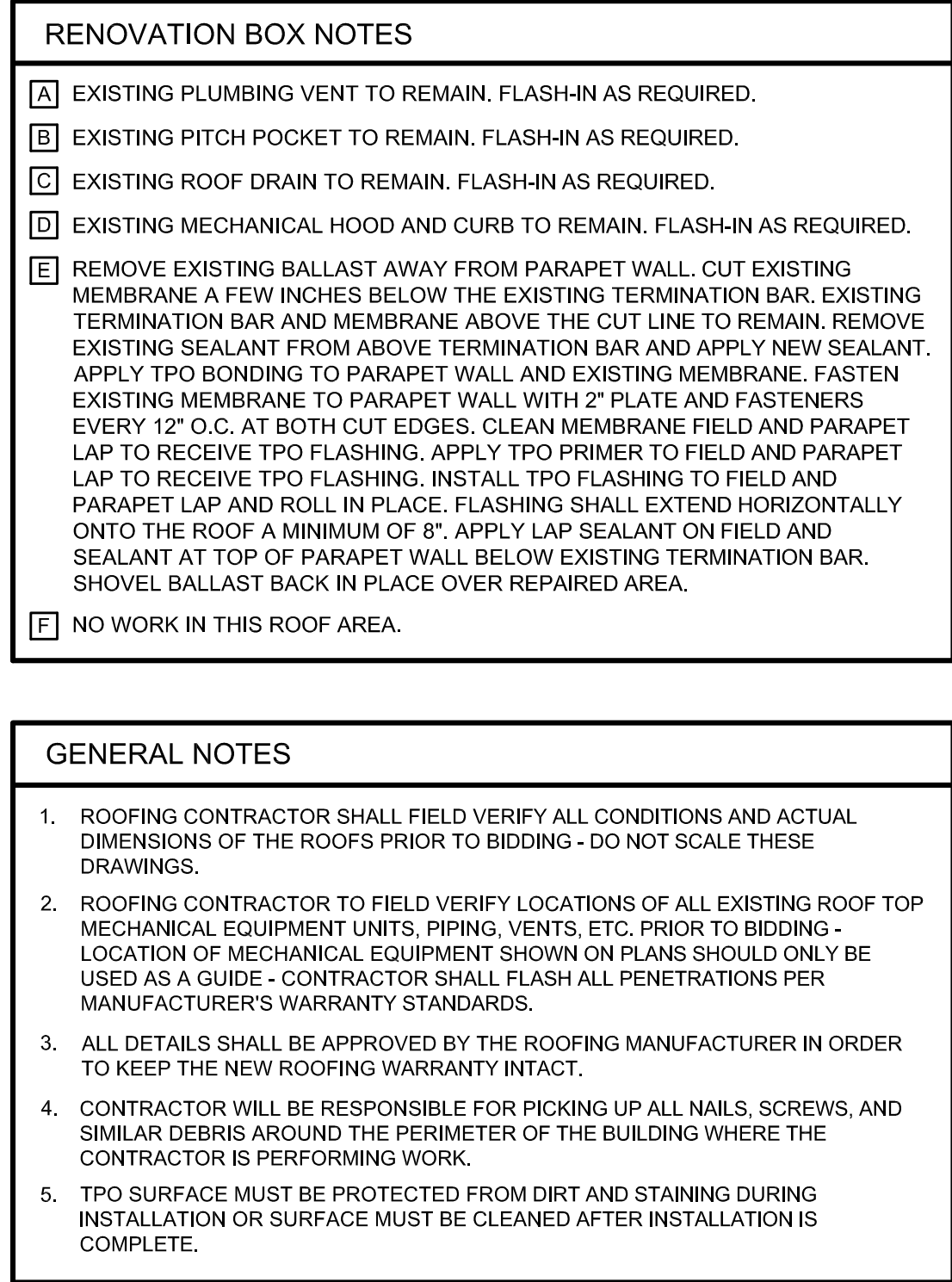
Date	December 1, 2017
Rev. Date	
RLJA Proj	2017-079

SHEET IDENTIFICATION

TITLE SHEET

SHEET NUMBER

T101
OF
1



REROOFING PROJECT FOR MARSHALL ELEMENTARY

OWNER

ROCKFORD PUBLIC SCHOOL DISTRICT 205



ROCKFORD
PUBLIC SCHOOLS

ARCHITECT OF RECORD		CIVIL	STRUCTURAL	MECHANICAL / ELECTRICAL / PLUMBING	FOOD SERVICE
<div>RICHARD L. JOHNSON ASSOCIATES 4703 Charles Street Rockford IL. 61108 PHONE: 815/398-1231 FAX 815/398-1280 www.rljarch.com IL Design Firm No. 187-000524</div> <div> EXPIRES 11-30-2018 12-1-2017 DATE</div>					
SHEET INDEX				BID INDEX	STATE MAP
<div>TITLE SHEET</div> <div>T101 TITLE SHEET</div> <div>ARCHITECTURAL</div> <div>A101 PARTIAL ROOF PLAN A102 PARTIAL ROOF PLAN A103 PARTIAL ROOF PLAN A104 DETAILS</div>					

REEROOFING PROJECT | FOR MARSHALL ELEMENTARY

ROCKFORD PUBLIC SCHOOL DISTRICT 205
ROCKFORD, ILLINOIS 61104

RICHARD L. JOHNSON
ASSOCIATES | ARCHITECTS

SHEET IDENTIFICATION

TITLE SHEET

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Date	December 1, 2017

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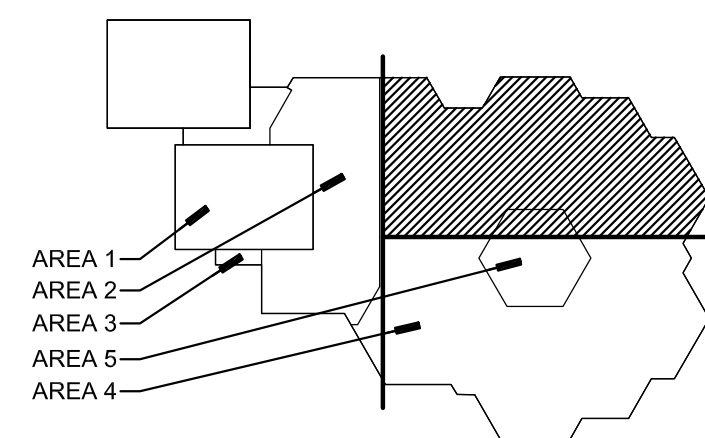
T101
OF
1

AREA 1:
BALLAST OVER EPDM OVER 1-1/2" INSULATION OVER 4-PLY BUILT-UP ROOF WITH GRAVEL OVER 1-1/2" HARDBOARD OVER TECTUM DECK. DECK IS ASSUMED TO BE SLOPED.

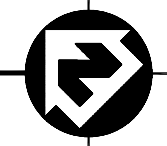
AREAS 2, 3 AND 4:
BALLAST OVER EPDM OVER 1-1/2" INSULATION OVER SLOPED LIGHTWEIGHT CONCRETE OVER METAL DECK. METAL DECK IS ASSUMED TO BE FLAT. LIGHTWEIGHT CONCRETE IS SLOPED.

AREA 5:
BALLAST OVER EPDM OVER 1-1/2" INSULATION OVER METAL DECK. DECK IS ASSUMED TO BE SLOPED.

A	EXISTING LIGHTWEIGHT CONCRETE SADDLE TO REMAIN.	M	REMOVE EXISTING VERTICAL CONDUIT TO BELOW DECK. FILL VOID WITH INSULATION AND ROOF OVER AS SPECIFIED.
B	REMOVE EXISTING BALLAST, EPDM MEMBRANE AND INSULATION DOWN TO EXISTING LIGHTWEIGHT CONCRETE DECK. REMOVE PERIMETER METAL AS REQUIRED.	N	REMOVE EXISTING WALKPADS
C	REMOVE EXISTING BALLAST, EPDM MEMBRANE AND INSULATION DOWN TO EXISTING METAL DECK. REMOVE PERIMETER METAL AS REQUIRED.	P	REMOVE EXISTING ANTENNA AND CONDUIT TO BELOW DECK. FILL VOID WITH INSULATION AND ROOF OVER AS SPECIFIED.
D	REMOVE EXISTING BALLAST, EPDM MEMBRANE, INSULATION, BUILT-UP ROOFING WITH GRAVEL AND HARDBOARD DOWN TO EXISTING TECTUM DECK. REMOVE PERIMETER METAL AS REQUIRED.	Q	REMOVE EXISTING SOLAR PANELS AND SUPPORTS. INSTALL NEW SPACERS AT WALL AS REQUIRED FOR NEW ROOF WORK AND REINSTALL.
E	REMOVE EXISTING ROOF HATCH AND CURB.	R	REMOVE EXISTING SHEET METAL CAP AND DUCTWORK TO BELOW DECK. INFILL OPENING WITH STEEL ANGLES, METAL DECK AND INSULATION UP TO TOP OF LIGHTWEIGHT CONCRETE DECK AND ROOF OVER AS SPECIFIED.
F	EXISTING ROOF DRAIN TO REMAIN. FLASH NEW ROOF INTO EXISTING ROOF DRAIN.	T	EXISTING ROOFTOP UNIT AND CURB TO REMAIN. FLASH IN AS REQUIRED.
G	EXISTING PLUMBING VENT TO REMAIN. EXTEND TO MINIMUM 12" ABOVE NEW ROOF LINE.	U	EXISTING ACCU AND SUPPORTS TO REMAIN. FLASH IN AS REQUIRED.
H	EXISTING EXHAUST FAN CURB TO REMAIN. REMOVE EXHAUST FAN. RAISE CURB IF REQUIRED SO TOP OF CURB IS A MINIMUM 8" ABOVE NEW ROOF LINE. FLASH IN CURB AND REINSTALL EXHAUST FAN.	V	REMOVE EXISTING METAL WEATHER GUARD AND SUPPORTS. REINSTALL AFTER NEW ROOFING IS INSTALLED. PROVIDE NEW 10"x10" STEEL PLATES AT BOTTOM OF SUPPORTS WITH RUBBER WALKPADS UNDER. PROVIDE ANY ADDITIONAL STEEL/ANGLES/FASTENERS AS REQUIRED FOR REINSTALLATION.
J	EXISTING CHASES/SUPPORT TO REMAIN. FLASH-IN AS REQUIRED.	W	EXISTING GAS LINE TO REMAIN. REWORK SUPPORTS AND GAS LINE AS REQUIRED FOR NEW ROOFING.
K	CONTRACTOR TO REMOVE EXISTING CABLE.	X	REWORK EXISTING PIPE VENTS AS REQUIRED FOR NEW ROOFING.
L	REMOVE AND REINSTALL EXISTING LIGHT FIXTURE JUNCTION BOX. REWORK CONDUIT AS REQUIRED.		

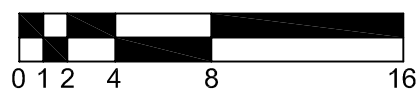
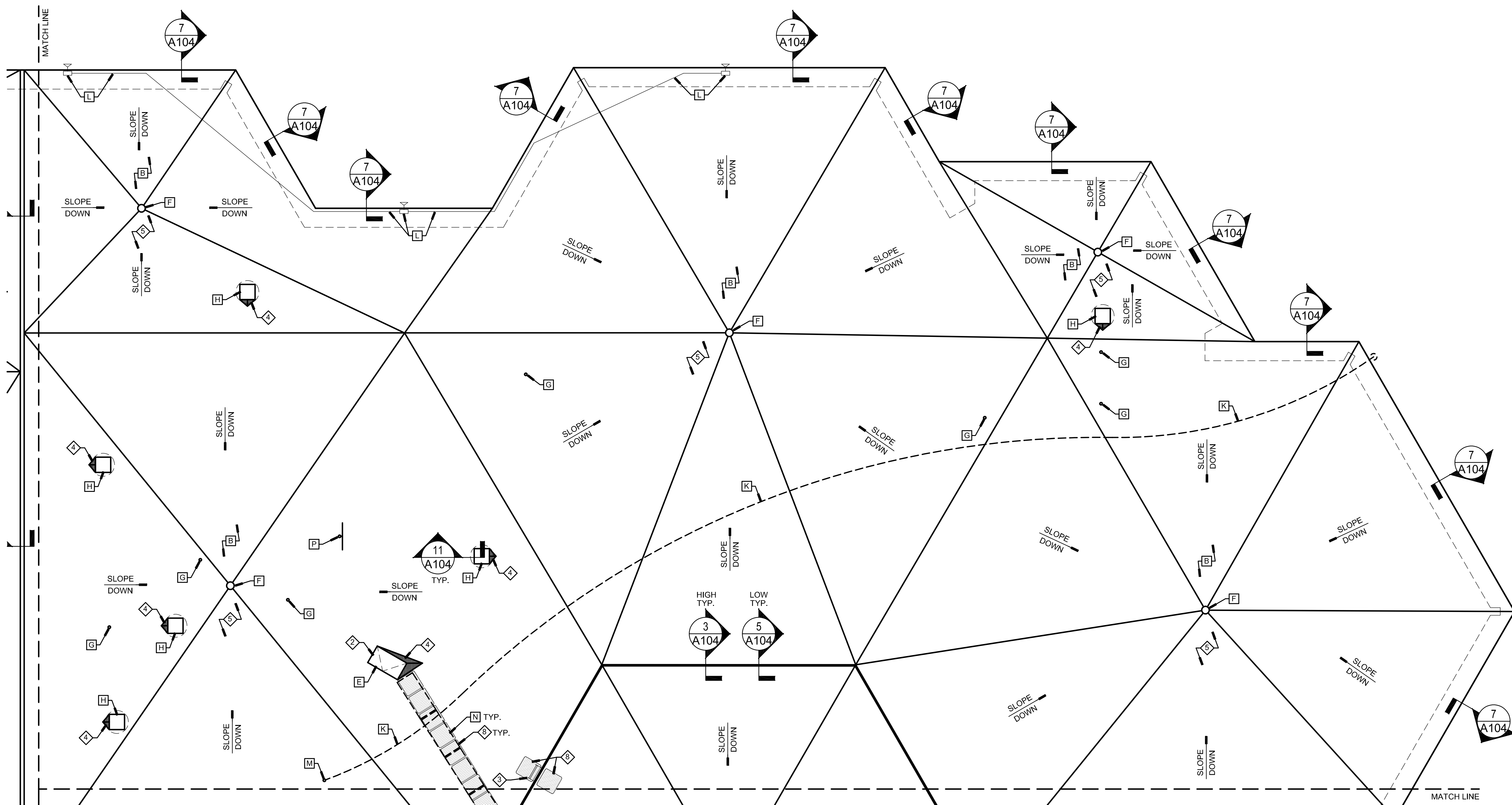


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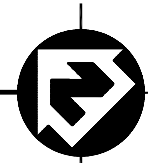
1. ROOFING CONTRACTOR SHALL FIELD VERIFY ALL CONDITIONS AND ACTUAL DIMENSIONS OF THE ROOFS PRIOR TO BIDDING - DO NOT SCALE THESE DRAWINGS.
2. ROOFING CONTRACTOR TO FIELD VERIFY LOCATIONS OF ALL EXISTING ROOF TOP MECHANICAL EQUIPMENT UNITS, PIPING, VENTS, ETC. PRIOR TO BIDDING - LAYOUT OF MECHANICAL EQUIPMENT SHOWN ON PLANS SHOULD ONLY BE USED AS A GUIDE - CONTRACTOR SHALL FLASH ALL PENETRATIONS PER MANUFACTURER'S WARRANTY STANDARDS.
3. ROOFING CONTRACTOR TO EXTEND CURBS AND ANY MECHANICAL EQUIPMENT SO THEY ARE A MINIMUM OF 8" ABOVE THE TOP OF THE ROOF. EXTEND VENT STACKS SO THEY ARE A MINIMUM OF 12" ABOVE THE TOP OF THE ROOF. EXTEND / MODIFY EXISTING DUCTWORK AND ELECTRICAL ASSOCIATED WITH MECHANICAL EQUIPMENT.
4. ALL DETAILS SHALL BE APPROVED BY THE ROOFING MANUFACTURER IN ORDER TO KEEP THE NEW ROOFING WARRANTY INTACT.
5. PROVIDE SADDLES AT ALL MECHANICAL ROOF TOP UNITS AND OTHER ROOF PENETRATIONS.
6. FLASH IN ANY EXISTING ROOF PENETRATIONS PER ROOFING MANUFACTURER'S GUIDELINES.
7. CONTRACTOR WILL BE RESPONSIBLE FOR RESTORING DAMAGED GRASS AREAS BACK TO THEIR ORIGINAL CONDITION AFTER THE ROOF WORK IS COMPLETE.
8. CONTRACTOR WILL BE RESPONSIBLE FOR PICKING UP ALL NAILS, SCREWS, AND SIMILAR DEBRIS AROUND THE PERIMETER OF THE BUILDING WHERE THE CONTRACTOR IS PERFORMING WORK.
9. ROOFING CONTRACTOR TO MAKE SURE SADDLES AT DRAINS NEAR ROOF TOP UNITS DO NOT TRAP WATER. ADJUST TAPERED INSULATION LAYOUT ACCORDINGLY.
10. ROOFING CONTRACTOR TO REMOVE AND DISPOSE OF BALLAST LEGALLY OFF-SITE.
11. FOR ROOF AREA 5: ROOFING CONTRACTOR TO LOOK UNDER ROOF DECK INSIDE BUILDING TO MAKE SURE CONDUIT IS NOT IN THE WAY.

- ④ NO WORK THIS AREA.
- ② PROVIDE NEW ROOF HATCH, CURB AND GUARDRAIL. 30"x54" - VERIFY EXACT SIZE IN FIELD.
- ③ PROVIDE NEW ALUMINUM ACCESS LADDER. SEE DETAIL.
- ④ PROVIDE TAPERED INSULATION SADDLE. SLOPE OF TAPER TO BE 1/2" PER FOOT. VERIFY SLOPE IN FIELD. TAPERED INSULATION MANUFACTURER TO DESIGN TAPERED INSULATION AS REQUIRED TO PROVIDE PROPER SLOPES.
- ⑤ PROVIDE TPO MEMBRANE OVER ONE LAYER OF 2-1/2" RIGID INSULATION OVER ONE LAYER OF 3" RIGID INSULATION OVER BASE SHEET OVER EXISTING LIGHTWEIGHT CONCRETE. NAIL BASE SHEET. BOTTOM LAYER AND TOP LAYER OF INSULATION TO BE ADHERED.
- ⑥ PROVIDE TPO MEMBRANE OVER ONE LAYER OF 2-1/2" RIGID INSULATION OVER ONE LAYER OF 3" RIGID INSULATION OVER BASE SHEET OVER EXISTING TECTUM. BASE SHEET TO BE NAILED. REST OF INSULATION TO BE ADHERED.
- ⑦ PROVIDE TPO MEMBRANE OVER ONE LAYER OF 2-1/2" RIGID INSULATION OVER ONE LAYER OF 3" RIGID INSULATION OVER EXISTING METAL DECK. BOTTOM LAYER TO BE MECHANICALLY FASTENED AND TOP LAYER TO BE ADHERED.
- ⑧ PROVIDE RUBBER WALKPAD.



1

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



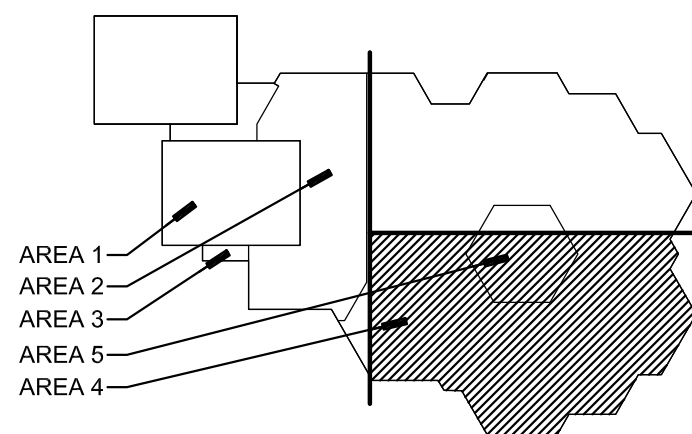
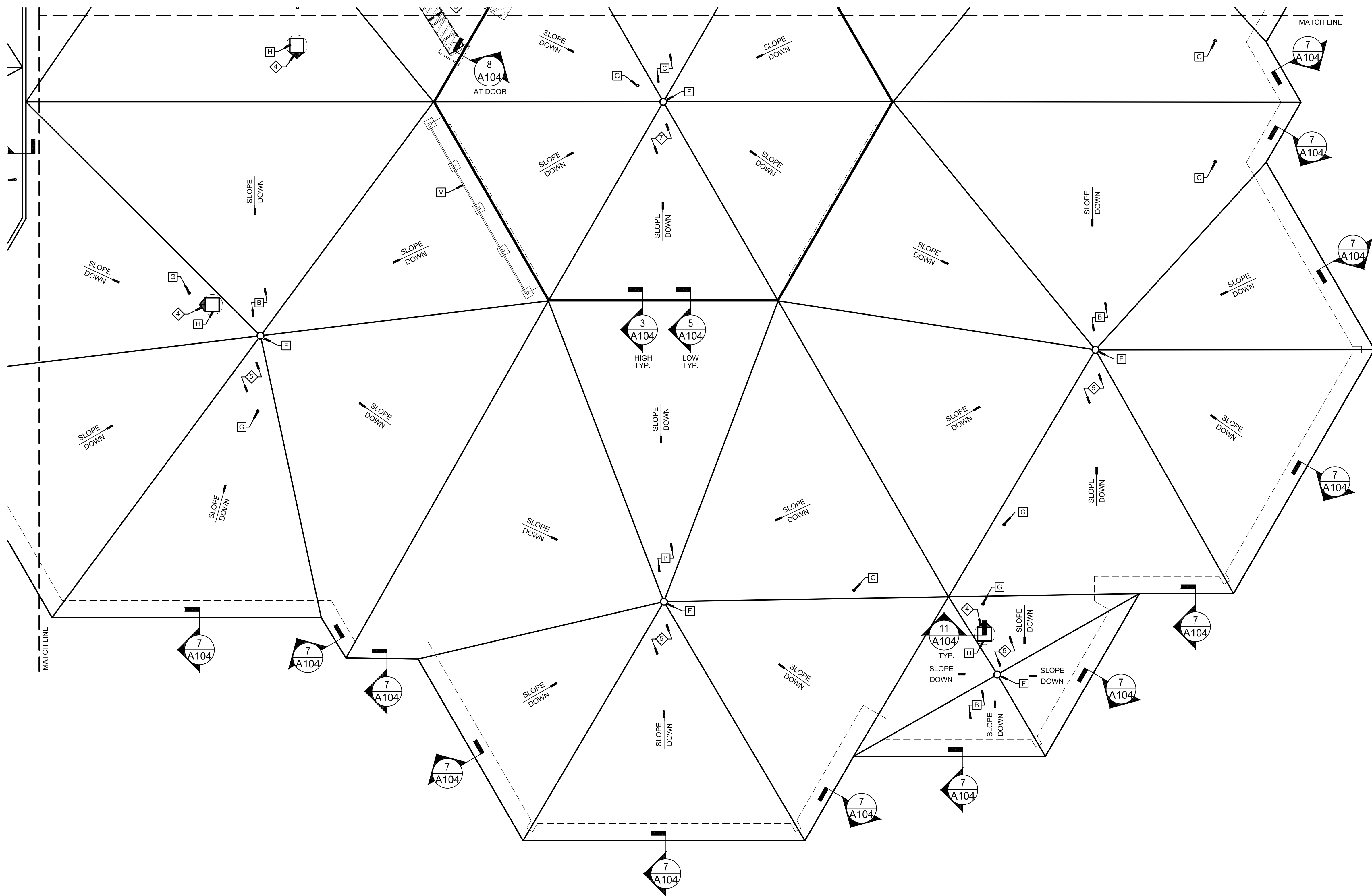
AREA 1:
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GUTTER DRAIN OVER 1-1/2" HARDBOARD OVER TECTUM DECK. DECK IS ASSUMED TO BE
SLOPED.

AREAS 2, 3 AND 4:
BALLAST OVER EPDM OVER 1-1/2" INSULATION OVER SLOPED LIGHTWEIGHT
CONCRETE OVER METAL DECK. METAL DECK IS ASSUMED TO BE FLAT.
LIGHTWEIGHT CONCRETE IS SLOPED.

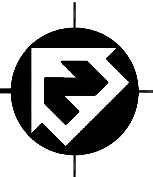
AREA 5:
BALLAST OVER EPDM OVER 1-1/2" INSULATION OVER METAL DECK. DECK IS
ASSUMED TO BE SLOPED.

A	EXISTING LIGHTWEIGHT CONCRETE SADDLE TO REMAIN.
B	REMOVE EXISTING BALLAST, EPDM MEMBRANE AND INSULATION DOWN TO EXISTING LIGHTWEIGHT CONCRETE DECK. REMOVE PERIMETER METAL AS REQUIRED.
C	REMOVE EXISTING BALLAST, EPDM MEMBRANE AND INSULATION DOWN TO EXISTING METAL DECK. REMOVE PERIMETER METAL AS REQUIRED.
D	REMOVE EXISTING BALLAST, EPDM MEMBRANE, INSULATION, BUILT-UP ROOFING WITH GRAVEL AND HARDBOARD DOWN TO EXISTING TECTUM DECK. REMOVE PERIMETER METAL AS REQUIRED.
E	REMOVE EXISTING ROOF HATCH AND CURB.
F	EXISTING ROOF DRAIN TO REMAIN. FLASH NEW ROOF INTO EXISTING ROOF DRAIN.
G	EXISTING PLUMBING VENT TO REMAIN. EXTEND TO MINIMUM 12" ABOVE NEW ROOF LINE.
H	EXISTING EXHAUST FAN CURB TO REMAIN. REMOVE EXHAUST FAN. RAISE CURB IF REQUIRED SO TOP OF CURB IS A MINIMUM 8" ABOVE NEW ROOF LINE. FLASH IN CURB AND REINSTALL EXHAUST FAN.
J	EXISTING CHASES/SUPPORT TO REMAIN. FLASH-IN AS REQUIRED.
K	CONTRACTOR TO REMOVE EXISTING CABLE.
L	REMOVE AND REINSTALL EXISTING LIGHT FIXTURE, JUNCTION BOX. REWORK CONDUIT AS REQUIRED.

- | | |
|----------|---|
| M | REMOVE EXISTING VERTICAL CONDUIT TO BELOW DECK. FILL VOID WITH INSULATION AND ROOF OVER AS SPECIFIED. |
| N | REMOVE EXISTING WALKPADS |
| P | REMOVE EXISTING ANTENNA AND CONDUIT TO BELOW DECK. FILL VOID WITH INSULATION AND ROOF OVER AS SPECIFIED. |
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| X | REWORK EXISTING PIPE VENTS AS REQUIRED FOR NEW ROOFING. |

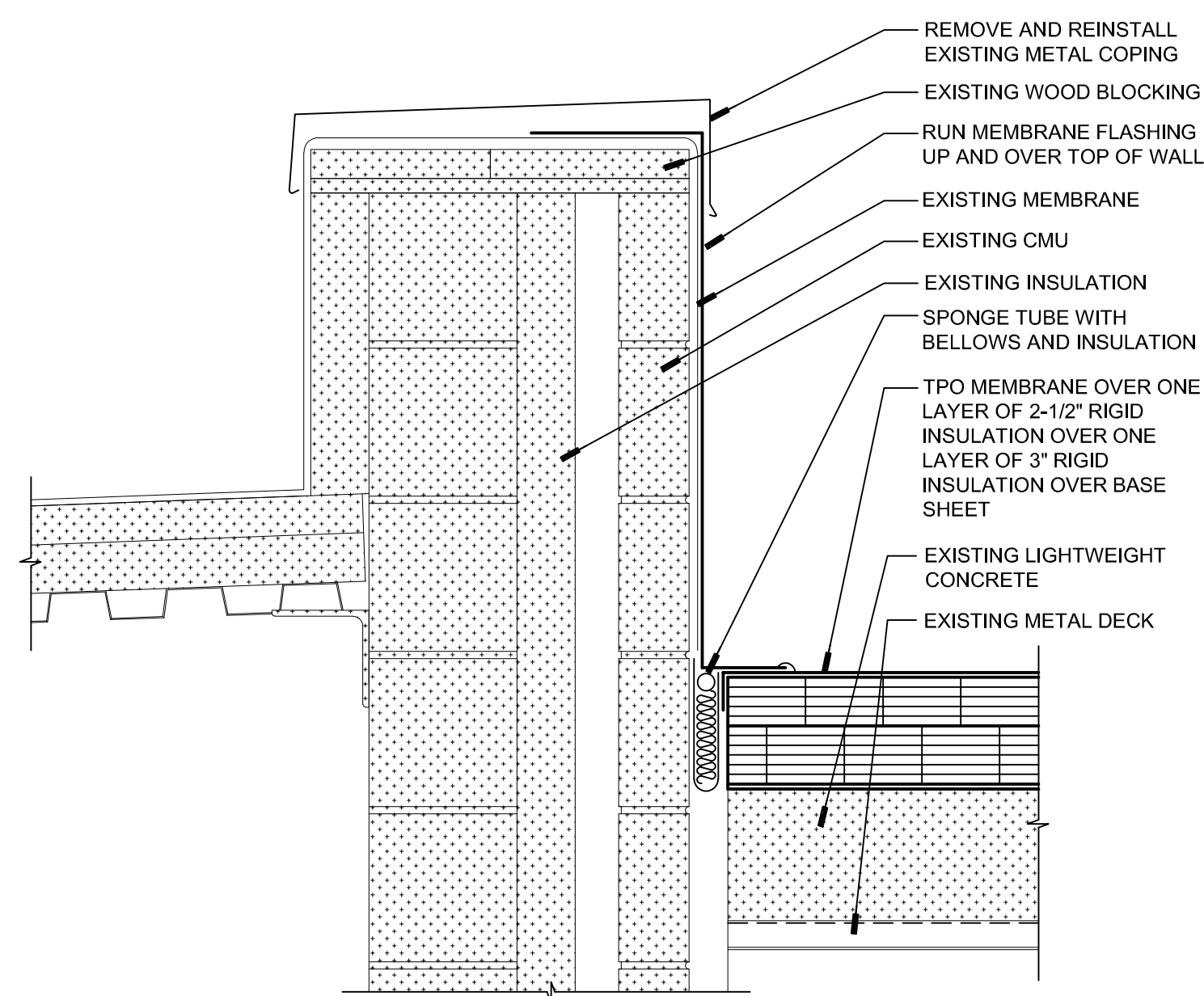


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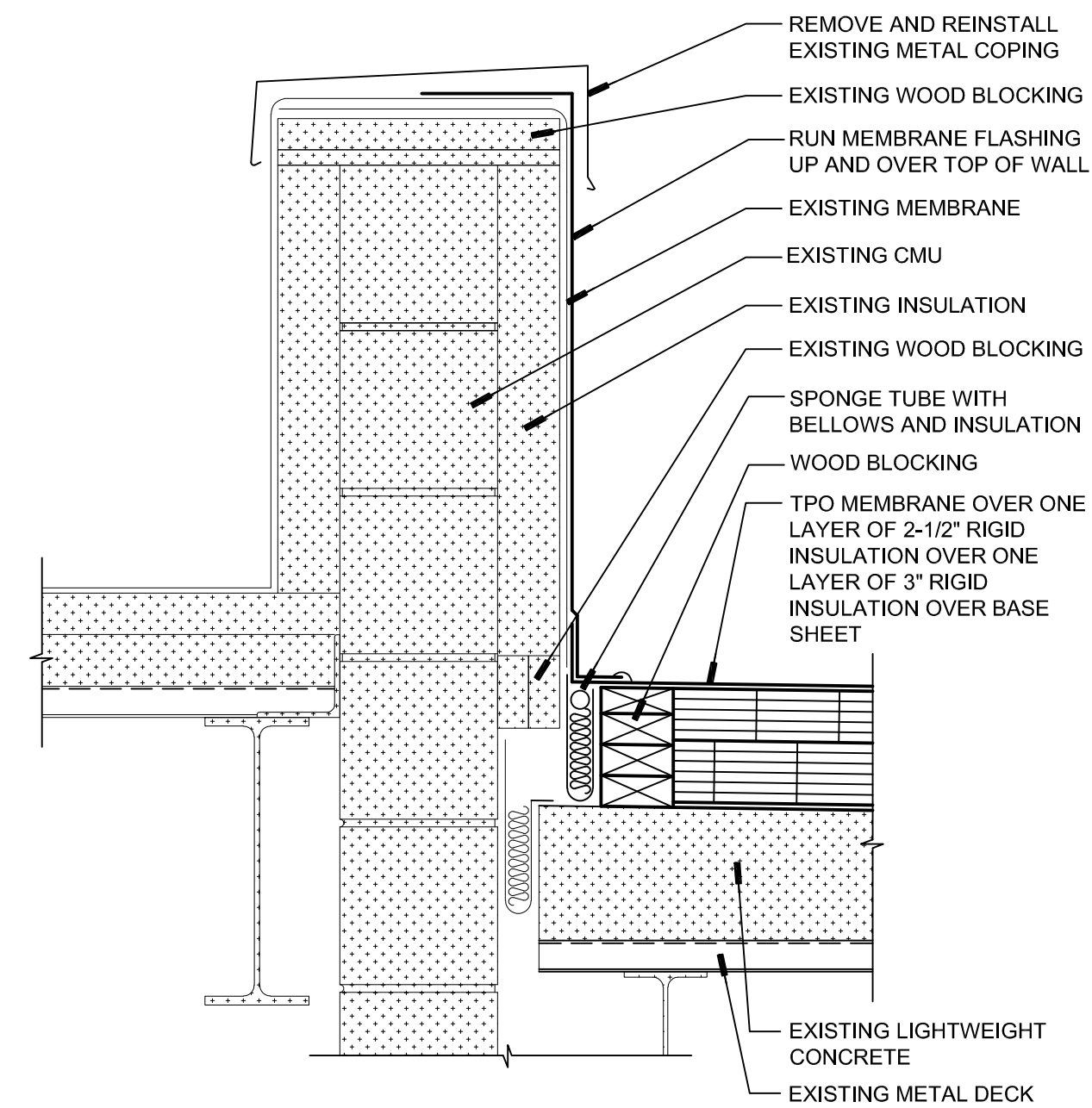


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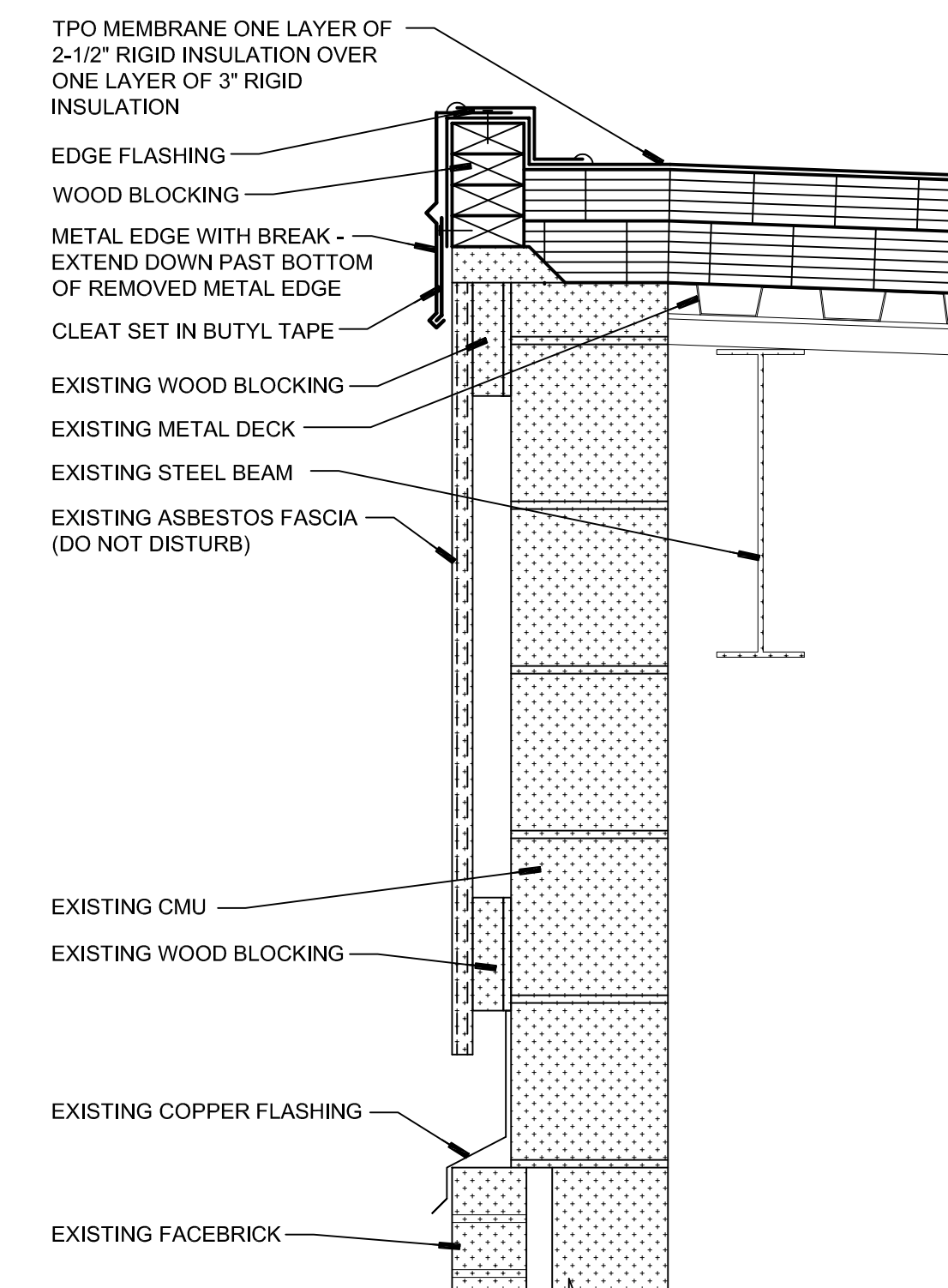
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- ② PROVIDE RUBBER WALKPAD.



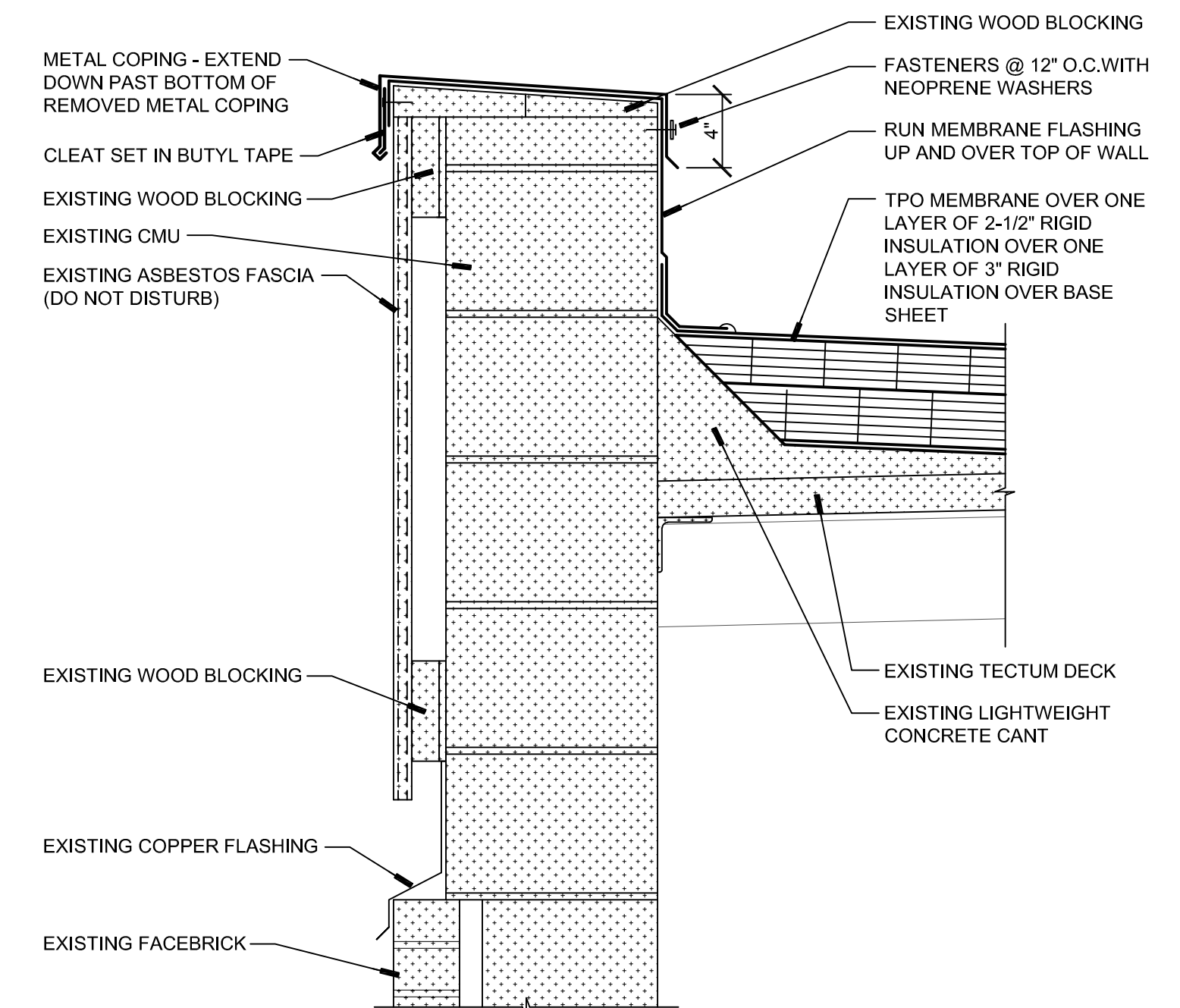
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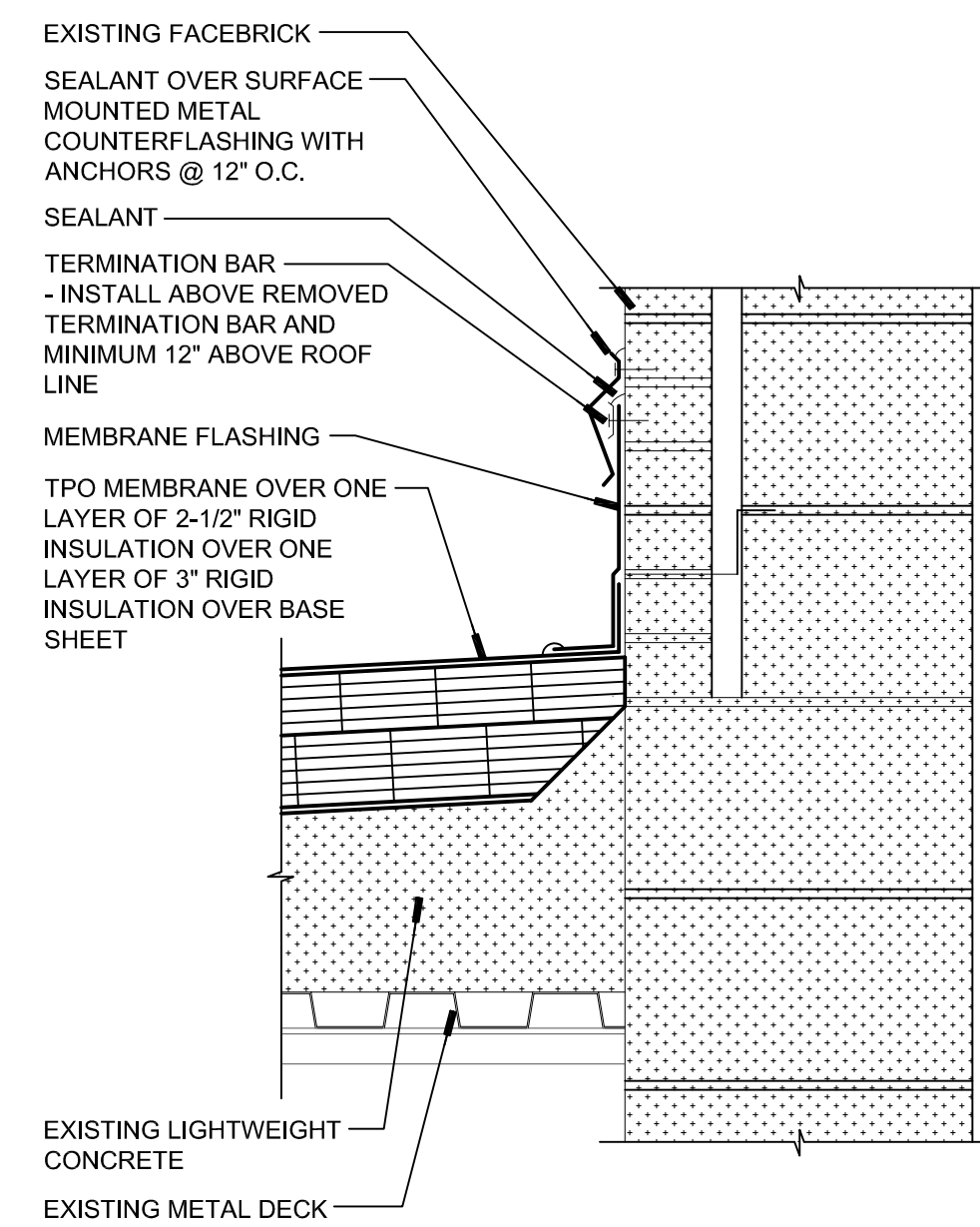
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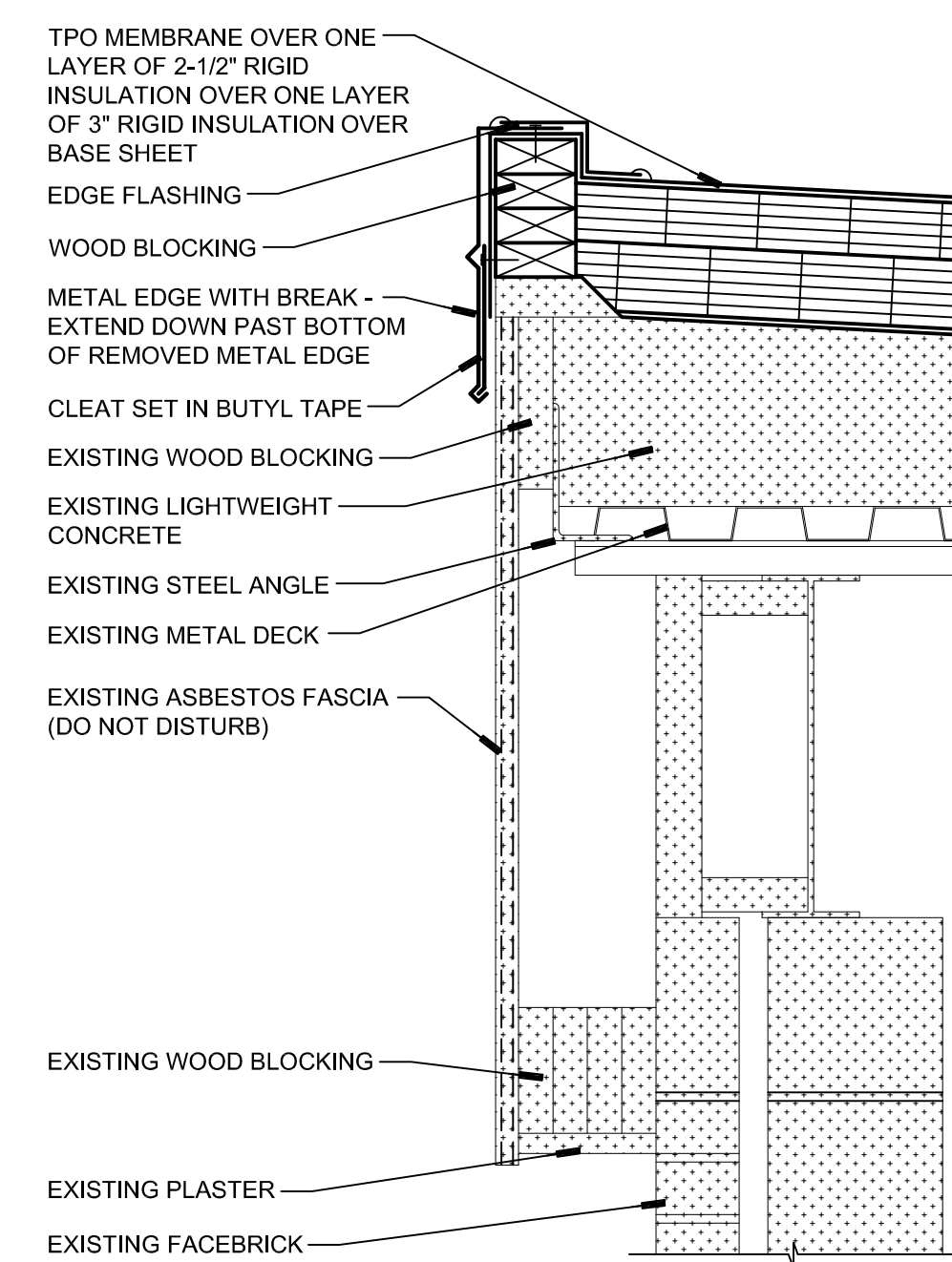
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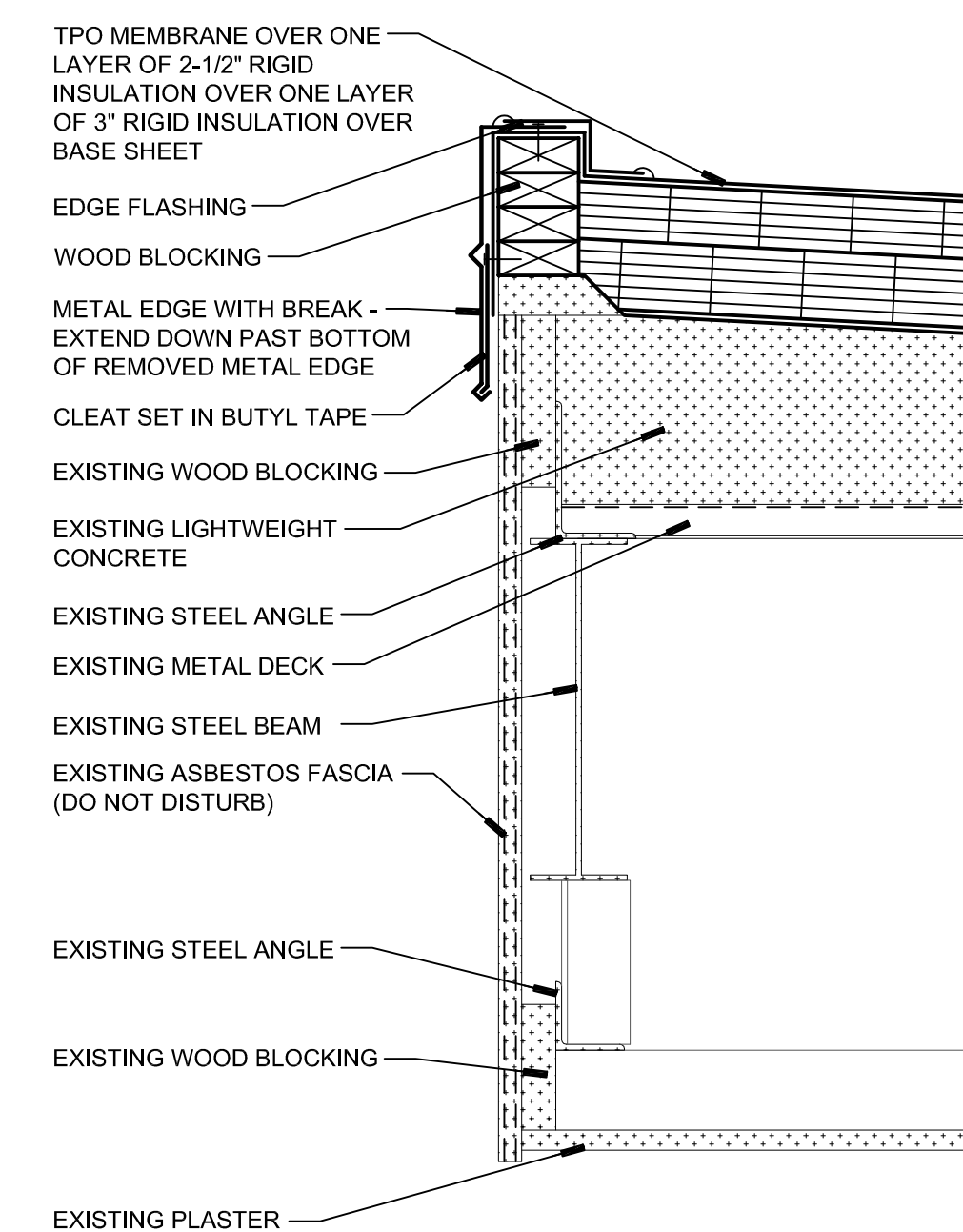
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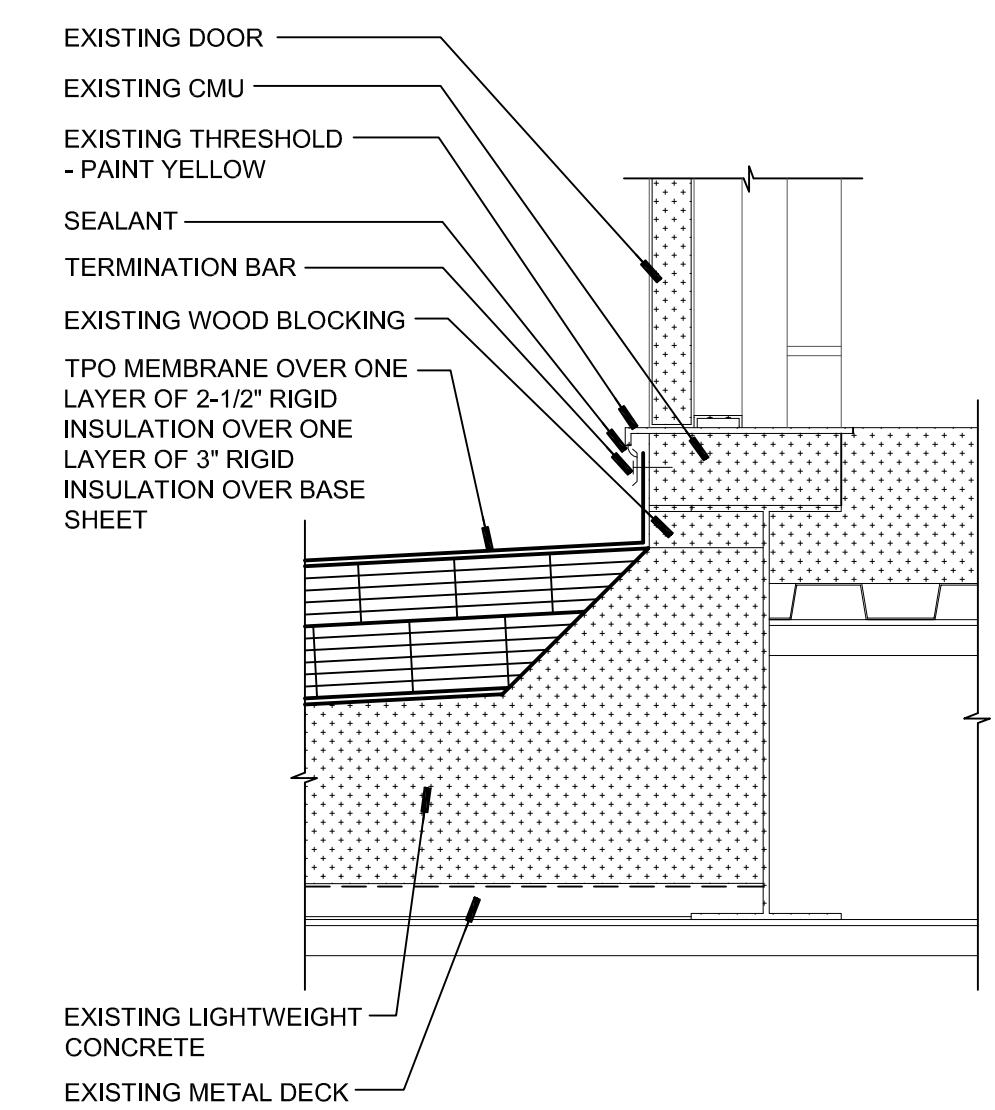
5 DETAIL
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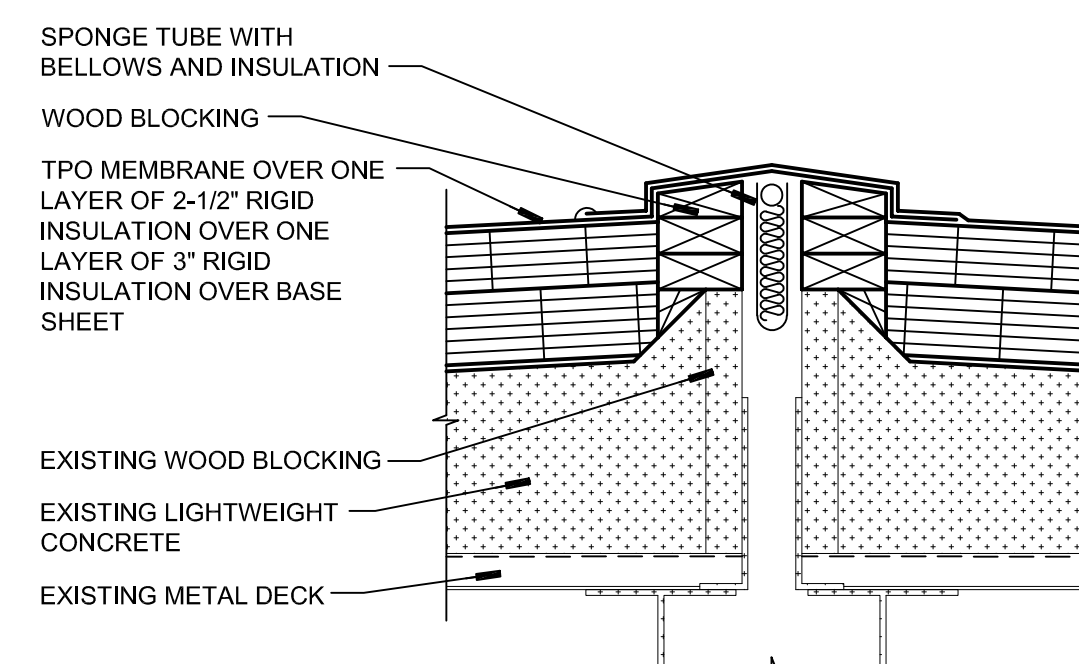
6 DETAIL
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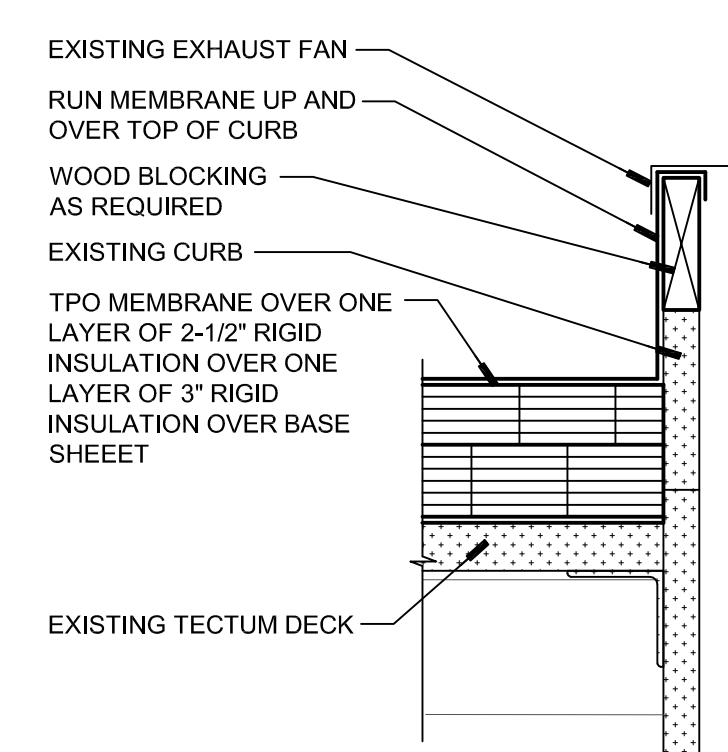
7 DETAIL
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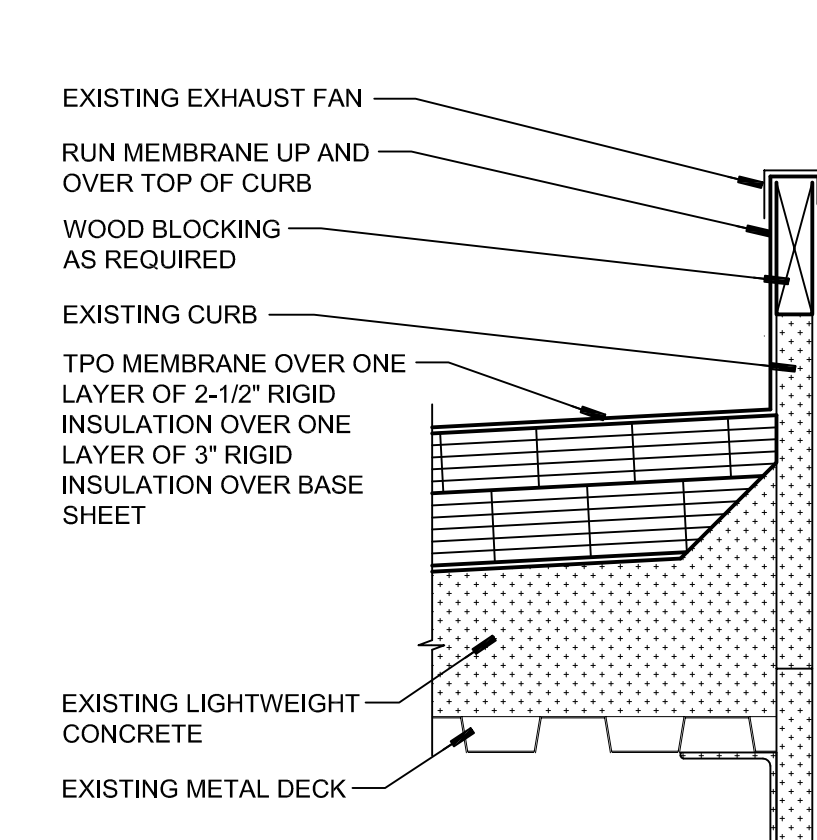
8 DETAIL
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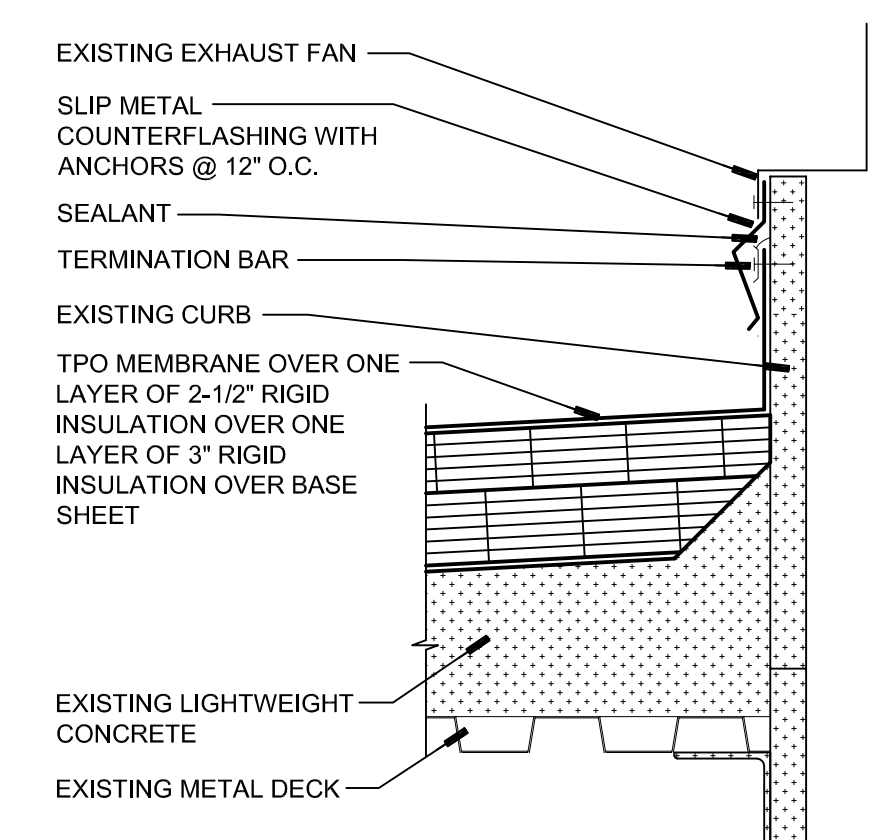
9 DETAIL
SCALE: 1-1/2"=1'-0"



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



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



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