

CASPER COLLEGE WERNER AG PAVILION REROOF

2424 JOSENDAL RD
CASPER, WY
CONSTRUCTION DOCUMENTS

SEPTEMBER 14, 2022

PROJECT SITE



PROJECT TEAM

OWNER

CASPER COLLEGE
125 CAMPUS DR
CASPER, WY 82601
307-268-2492

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ARCHITECT

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307-672-8270 PHONE



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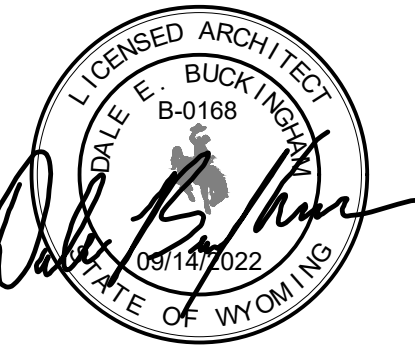


GENERAL NOTES

1. CONSERVE & PROTECT ALL AREAS NOT SCHEDULED TO RECEIVE NEW WORK. WHERE DAMAGE OCCURS TO AREAS NOT SCHEDULED TO RECEIVE NEW WORK, DAMAGED AREAS/ITEMS/DEVICES SHALL BE REPAIRED/REPLACED AT NO ADDITIONAL COST TO THE OWNER.



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CIVIL ENGINEER

STRUCTURAL ENGINEER

MECHANICAL/
PLUMBING ENGINEER

ELECTRICAL ENGINEER

(X) KEYNOTES

1. APPROXIMATE 50' X 60' STAGING/PARKING/STORAGE AREA FOR CONTRACTOR USE. PROVIDE TEMPORARY CONSTRUCTION FENCING AND FLAGGING AT PERIMETER OF AREA.

**CASPER COLLEGE - WERNER AG
PAVILION REROOF**

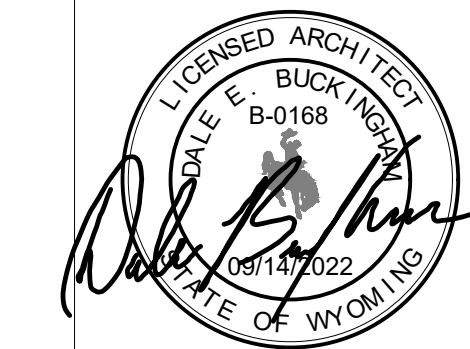
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2424 JOSENDAL RD

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Revisions --

SITE PLAN
C001



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**CASPER COLLEGE - WERNER AG
PAVILION REROOF**

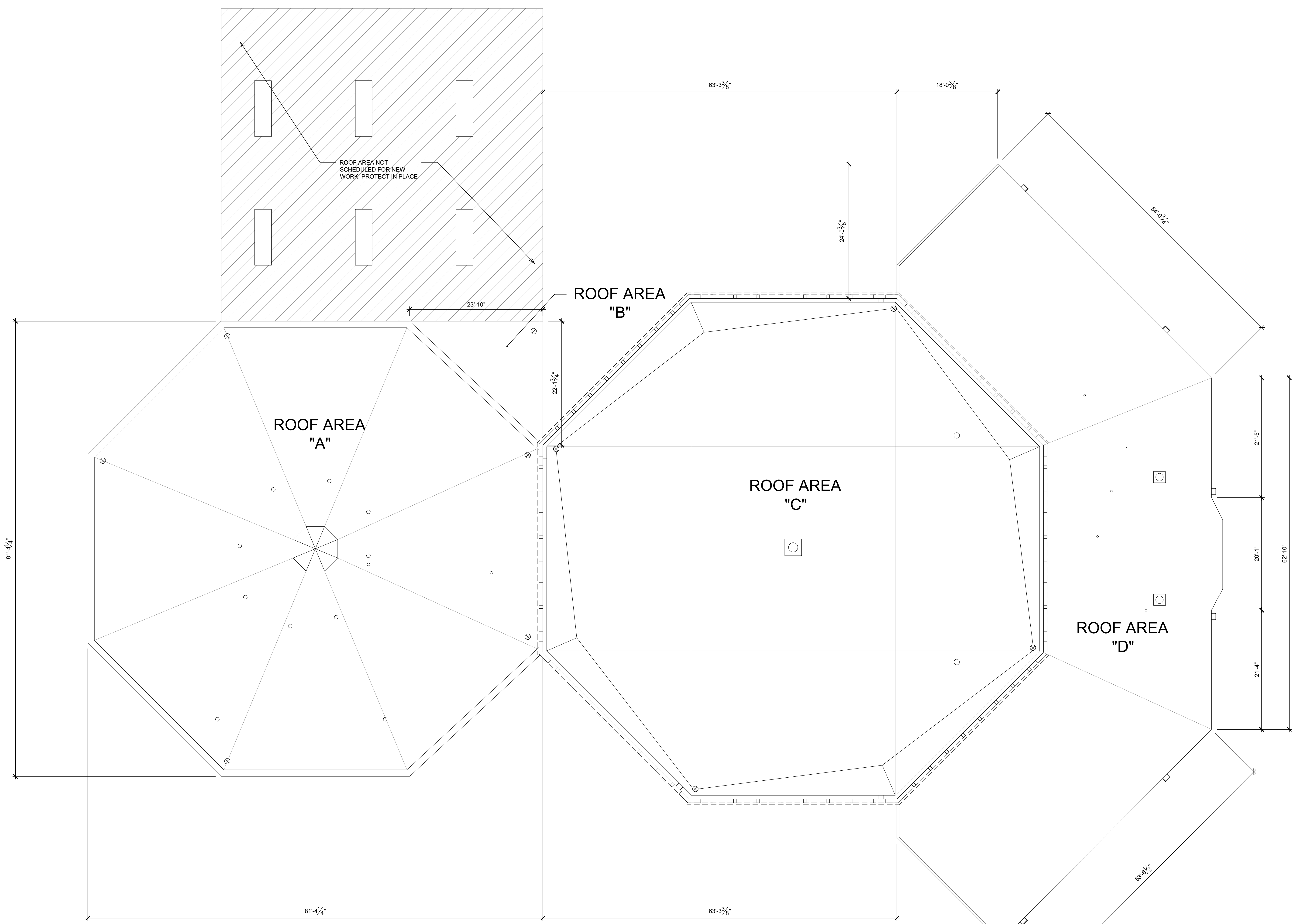
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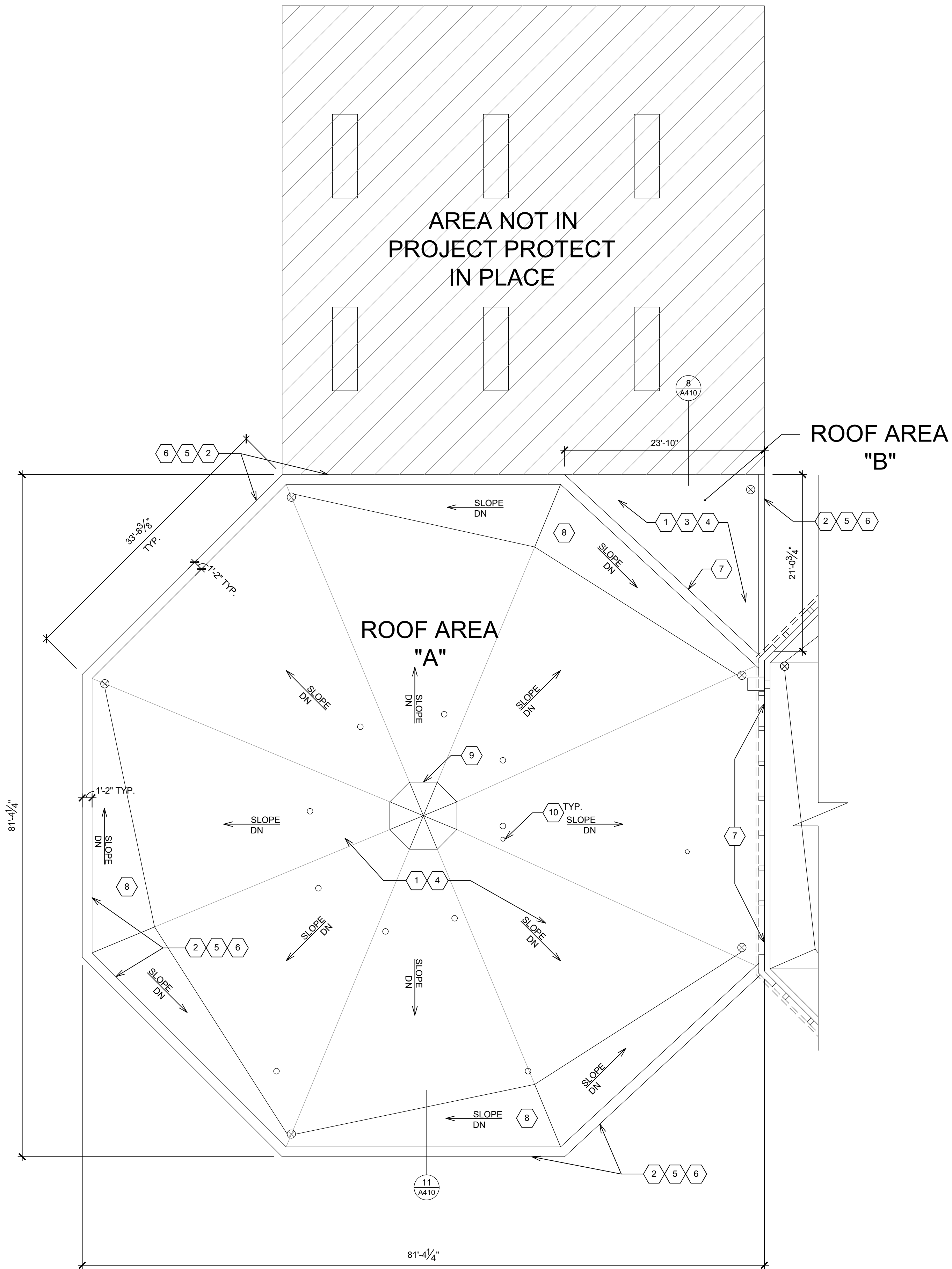
OVERALL
ROOF PLAN

A401



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

ROOFING SCHEDULE				
ROOF AREA	APPROX. AREA (SF)	APPROX. HT. (FEET)	EXISTING ROOF CONSTRUCTION	SCOPE OF WORK
"A"	5,521 ± S.F.	APPROX 20'-0"	ADHERED EPDM MEMBRANE OVER COVER BOARD OVER BUR OVER GYPSUM BOARD ATOP METAL DECK (FLAT & SLOPED)	REMOVE AND DISPOSE OF MEMBRANE AND COVER BOARD DOWN TO EXISTING TO REMAIN BUR ON GYPSUM BOARD ATOP EXISTING ROOF DECK. PROVIDE AND INSTALL MECHANICALLY ATTACHED MEMBRANE OVER 1/4" GYPSUM COVER BOARD ON 5 1/2" RIGID POLYISO INSULATION ATOP EXISTING BUR ON GYPSUM BOARD ON EXISTING SLOPED METAL DECK.
"B"	264 ± S.F.	APPROX 12'-0"	ADHERED EPDM MEMBRANE OVER COVER BOARD OVER BUR OVER GYPSUM BOARD ATOP SLOPED METAL DECK	REMOVE AND DISPOSE OF MEMBRANE AND COVER BOARD DOWN TO EXISTING TO REMAIN BUR ON GYPSUM BOARD ATOP EXISTING ROOF DECK. PROVIDE AND INSTALL MECHANICALLY ATTACHED MEMBRANE OVER 1/4" GYPSUM COVER BOARD ON 5-1/2" RIGID PLOYISO INSULATION ATOP EXISTING BUR ON GYPSUM BOARD ON EXISTING ROOF DECK.



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

GENERAL NOTES

- CONSERVE AND PROTECT ALL AREAS NOT SCHEDULED FOR NEW WORK. WHERE DAMAGE OCCURS TO AREAS NOT SCHEDULED FOR NEW WORK DAMAGED AREAS/ITEMS/DEVICES SHALL BE REPAIRED/REPLACED BACK TO SIMILAR CONDITIONS AT NO ADDITIONAL COSTS TO THE OWNER.
- DIMENSIONS AND QUANTITIES ARE APPROXIMATE AND SHOWN FOR GENERAL INFORMATION ONLY. CONTRACTOR IS RESPONSIBLE TO FIELD MEASURE AND VERIFY BEFORE ORDERING MATERIALS.
- EMPLOY A LICENSED ELECTRICAL CONTRACTOR FOR ALL ELECTRICAL WORK.
- INDICATES EXISTING CURB MOUNTED EXHAUST FAN OR VENTILATOR. SEE DETAIL 1/A410.
- INDICATES EXISTING VTR. SEE DETAILS 3,4/A410.
- ⊙ INDICATES EXISTING HOT FLUE. SEE DETAIL 2/A410.
- CONTRACTOR SHALL INSPECT THE UNDERSIDE OF THE ROOF DECK AND TAKE PRECAUTIONS TO AVOID DAMAGING CONDUIT, DUCTWORK, OR ANY OTHER BUILDING SYSTEMS ATTACHED BENEATH THE DECK.
- ⊗ INDICATES EXISTING ROOF DRAIN.
- ⊗ INDICATES EXISTING OVERFLOW ROOF DRAIN.
- PROVIDE PROTECTION SHEET OF ADDITIONAL MEMBRANE UNDER ALL WOOD MECHANICAL/PIPING SUPPORTS.
- REMOVE, SALVAGE, DISCONNECT AND REINSTALL ALL ROOF LADDERS, STAIRS OR OTHER ACCESS DEVICES AS NEEDED TO COMPLETE THE WORK.
- ROOF TO WALL MEMBRANE TERMINATIONS TO OCCUR AT SAME HEIGHT OR HEIGHT OFFSET AS THE EXISTING TERMINATION. MAINTAIN WARRANTABLE CONDITION.
- THESE DRAWINGS REPRESENT A COMBINATION OF RECORD DRAWINGS AND PHYSICAL FIELD VERIFICATION. NOT ALL CONDITIONS MAY BE REPRESENTED. REGARDLESS OF THE DIRECTION GIVEN HEREIN, IT IS STILL THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE SITE CONDITIONS AND ITEMS INVOLVING THEIR RESPECTIVE TRADES PRIOR TO BIDDING AND INSTALLATION. ANY DISCOVERIES NOT DOCUMENTED HEREIN SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT AT THESE LOCATIONS FOR VERIFICATION.

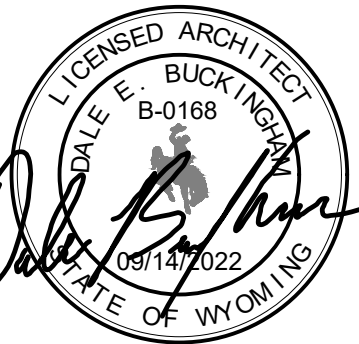
(X) KEYNOTES

- REMOVE AND DISPOSE OF EXISTING SINGLE PLY MEMBRANE AND COVER BOARD. SEE ROOF SCHEDULE.
- REMOVE AND DISPOSE OF EXISTING CLAD METAL EDGE METAL.
- NOT USED.
- PROVIDE AND INSTALL NEW ROOF ASSEMBLY AS SCHEDULED. SEE ROOF SCHEDULE FOR SCOPE.
- PROVIDE AND INSTALL NEW PRE-FINISHED EDGE METAL AT ROOF EDGE. SEE DETAIL 11/A410.
- PROVIDE AND INSTALL PARAPET EXTENSIONS TO TOP OF PARAPET WALLS. SEE DETAIL 11/A410.
- PROVIDE AND INSTALL PRE-FINISHED METAL COUNTER FLASHING AT TERMINATION BAR. SEE DETAIL 6/A410.
- PROVIDE AND INSTALL 1/8" FT SLOPE OVERLAY CRICKET FOR ROOF DRAINAGE.
- RAISE SKYLIGHT CURB AS NECESSARY TO INSTALL NEW ROOF ASSEMBLY AND MAINTAIN WARRANTABLE CONDITION. SEE DETAIL 1/A410.
- PROVIDE AND INSTALL FLUE/PIPE EXTENSION TO EXISTING FLUE/PIPE AS NECESSARY TO PROVIDE WARRANTABLE CONDITION.

KEY PLAN



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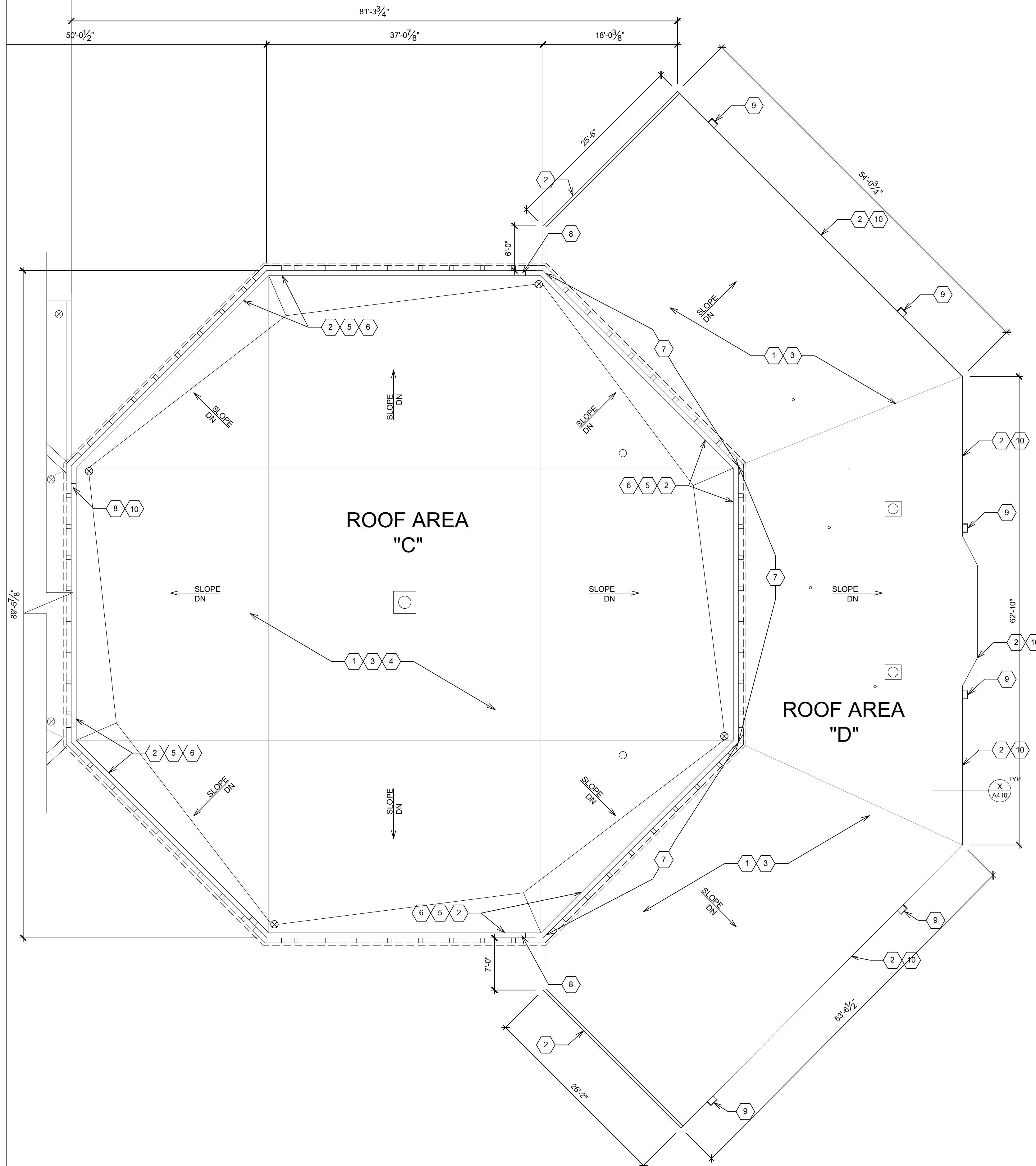
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Revisions

ENLARGED
ROOF PLAN

A402

ROOFING SCHEDULE				
ROOF AREA	APPROX. AREA (SF)	APPROX. HT. (FEET)	EXISTING ROOF CONSTRUCTION	SCOPE OF WORK
"C"	6,635 ± S.F.	APPROX 28'-0"	ADHERED EPDM MEMBRANE OVER COVER BOARD OVER BUR OVER GYPSUM BOARD ATOP METAL DECK (FLAT & SLOPED)	REMOVE AND DISPOSE OF MEMBRANE AND COVER BOARD DOWN TO EXISTING TO REMAIN BUR ON GYPSUM BOARD ATOP EXISTING ROOF DECK. PROVIDE AND INSTALL MECHANICALLY ATTACHED MEMBRANE OVER 1/4" GYPSUM COVER BOARD ATOP EXISTING BUR ON GYPSUM BOARD ON EXISTING METAL DECK.
"D"	4,414 ± S.F.	APPROX 16'-0"	ADHERED EPDM MEMBRANE OVER COVER BOARD OVER TAPERED EPS INSULATION ON METAL DECK (FLAT)	REMOVE AND DISPOSE OF MEMBRANE AND COVER BOARD ATOP EXISTING TO REMAIN TAPERED EPS INSULATION ON EXISTING ROOF DECK. PROVIDE AND INSTALL MECHANICALLY ATTACHED MEMBRANE OVER 1/4" GYPSUM COVER BOARD ATOP EXISTING TAPERED INSULATION ON EXISTING METAL DECK.



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

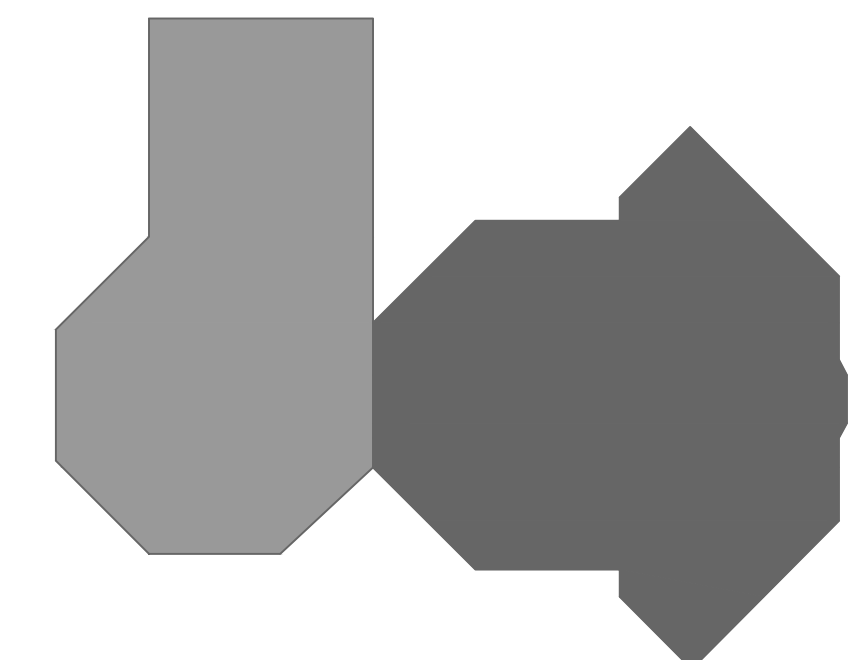
GENERAL NOTES

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- DIMENSIONS AND QUANTITIES ARE APPROXIMATE AND SHOWN FOR GENERAL INFORMATION ONLY. CONTRACTOR IS RESPONSIBLE TO FIELD MEASURE AND VERIFY BEFORE ORDERING MATERIALS.
- EMPLOY A LICENSED ELECTRICAL CONTRACTOR FOR ALL ELECTRICAL WORK.
- INDICATES EXISTING CURB MOUNTED EXHAUST FAN OR VENTILATOR. SEE DETAIL 1/A410.
- INDICATES EXISTING VTR. SEE DETAILS 3,4/A410.
- ⊙ INDICATES EXISTING HOT FLUE. SEE DETAIL 2/A410.
- CONTRACTOR SHALL INSPECT THE UNDERSIDE OF THE ROOF DECK AND TAKE PRECAUTIONS TO AVOID DAMAGING CONDUIT, DUCTWORK, OR ANY OTHER BUILDING SYSTEMS ATTACHED BENEATH THE DECK.
- ⊗ INDICATES EXISTING ROOF DRAIN.
- ⊗ INDICATES EXISTING OVERFLOW ROOF DRAIN.
- PROVIDE PROTECTION SHEET OF ADDITIONAL MEMBRANE UNDER ALL WOOD MECHANICAL/PIPING SUPPORTS.
- REMOVE, SALVAGE, DISCONNECT AND REINSTALL ALL ROOF LADDERS, STAIRS OR OTHER ACCESS DEVICES AS NEEDED TO COMPLETE THE WORK.
- ROOF TO WALL MEMBRANE TERMINATIONS TO OCCUR AT SAME HEIGHT OR HEIGHT OFFSET AS THE EXISTING TERMINATION. MAINTAIN WARRANTABLE CONDITION.
- THESE DRAWINGS REPRESENT A COMBINATION OF RECORD DRAWINGS AND PHYSICAL FIELD VERIFICATION. NOT ALL CONDITIONS MAY BE REPRESENTED. REGARDLESS OF THE DIRECTION GIVEN HEREIN, IT IS STILL THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE SITE CONDITIONS AND ITEMS INVOLVING THEIR RESPECTIVE TRADES PRIOR TO BIDDING AND INSTALLATION. ANY DISCOVERIES NOT DOCUMENTED HEREIN SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT AT THESE LOCATIONS FOR VERIFICATION.

KEYNOTES

- REMOVE AND DISPOSE OF EXISTING SINGLE PLY MEMBRANE AND COVER BOARD. SEE ROOF SCHEDULE.
- REMOVE AND DISPOSE OF EXISTING CLAD METAL EDGE METAL OR METAL COPING.
- PROVIDE AND INSTALL NEW SCHEDULED ROOF ASSEMBLY. SEE ROOF SCHEDULE FOR SCOPE.
- PROVIDE AND INSTALL NEW 1/8"/FT OVERLAY CRICKET FOR ROOF DRAINAGE.
- PROVIDE AND INSTALL NEW PREFINISHED EDGE METAL AT ROOF EDGE. SEE DETAIL 11/A410.
- PROVIDE AND INSTALL PARAPET EXTENSIONS TO TOP OF PARAPET WALLS. SEE DETAIL 11/A410.
- PROVIDE AND INSTALL PRE-FINISHED METAL COUNTER FLASHING AT TERMINATION BAR. SEE DETAILS 6 & 7/A410.
- REMOVE AND DISPOSE OF EXISTING SCUPPER. INFILL FRAME AS NECESSARY TO REPAIR HOLE.
- REMOVE AND REPLACE PREFINISHED METAL COLLECTOR HEAD AND DOWNSPOUT.
- PROVIDE AND INSTALL STRIP-IN EDGE METAL. SEE DETAIL 9/A410.

KEY PLAN



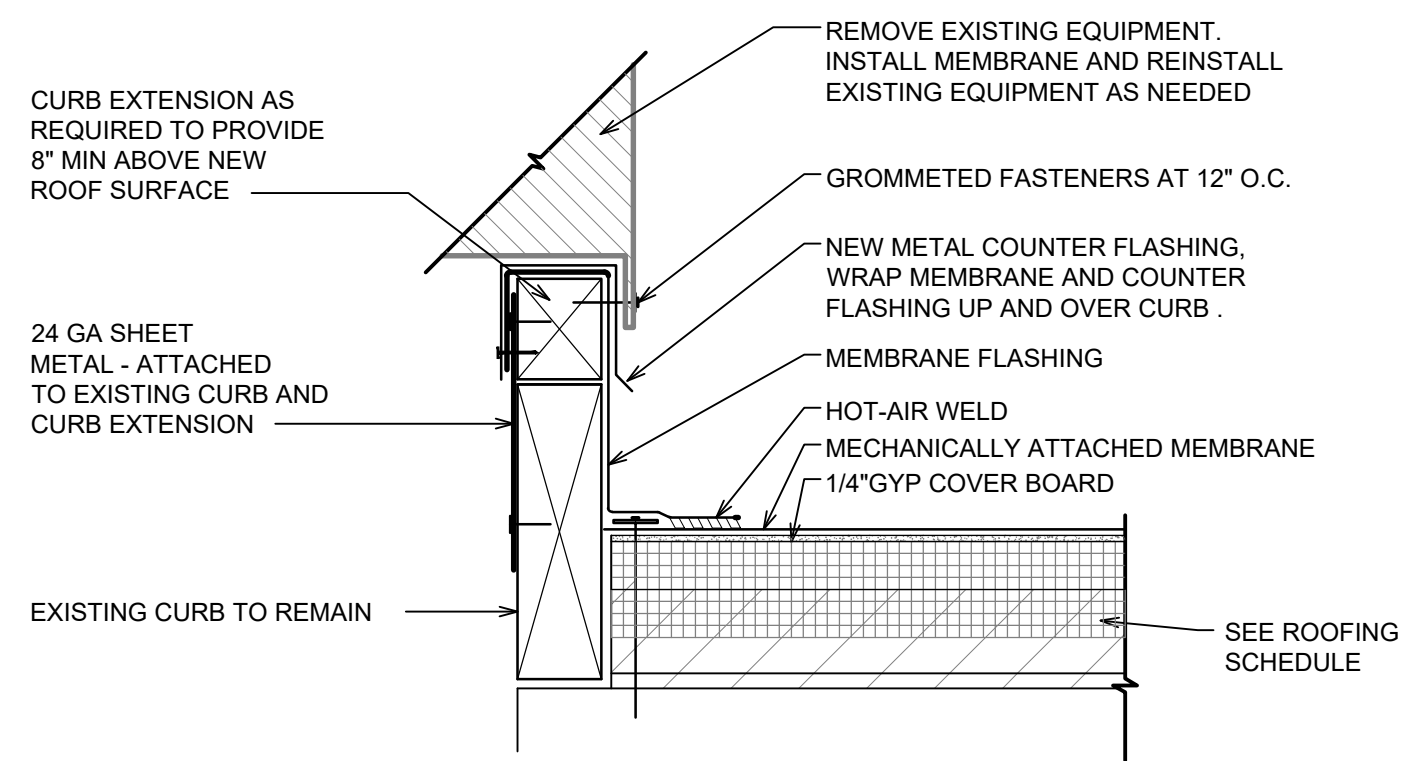
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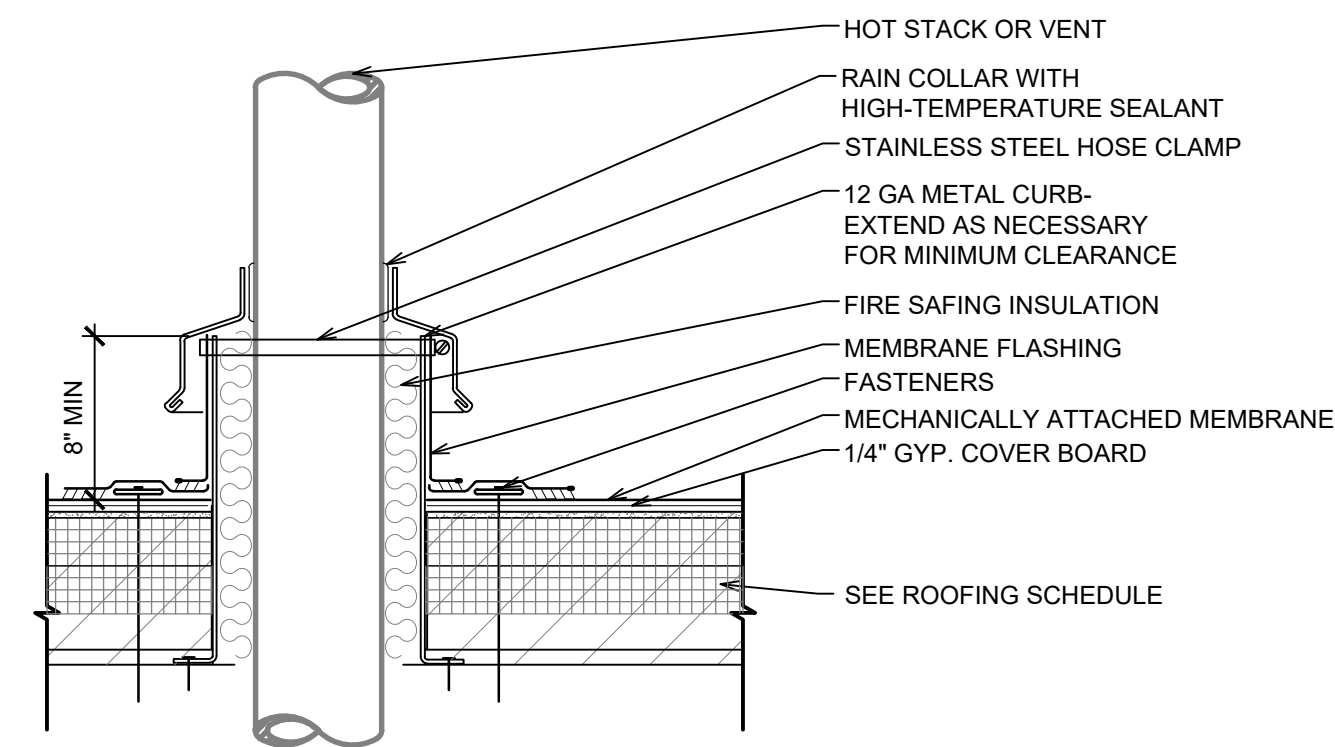
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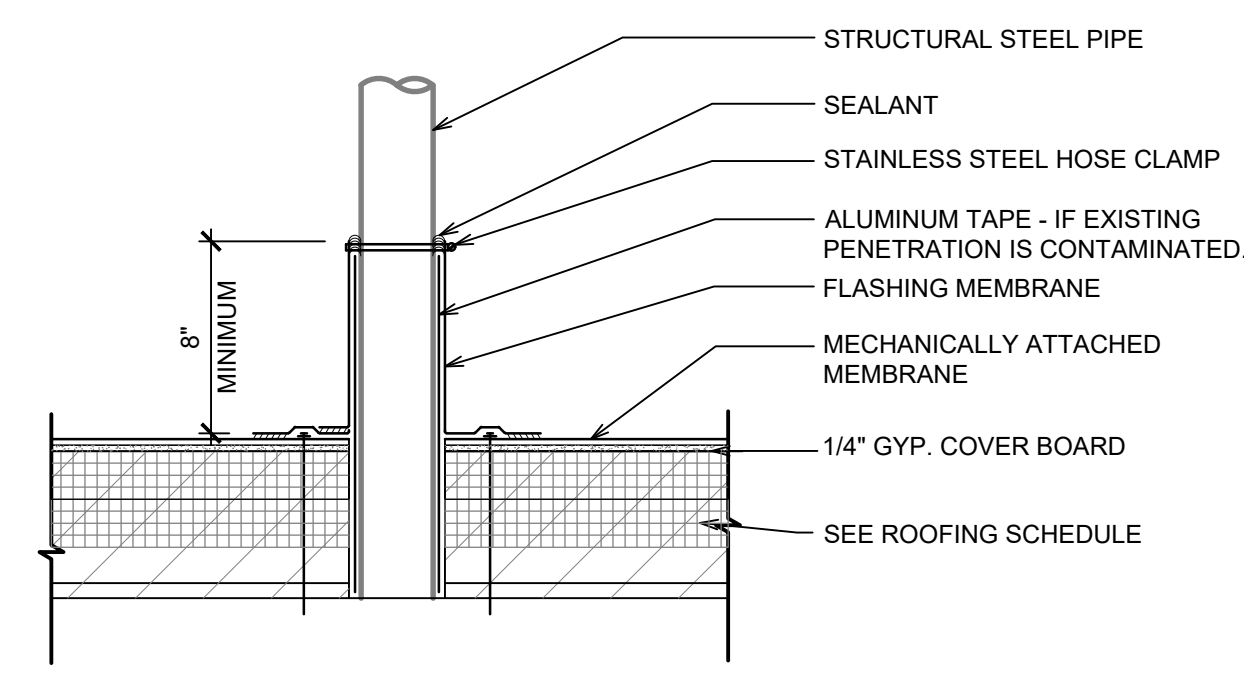
ENLARGED ROOF PLAN
A403



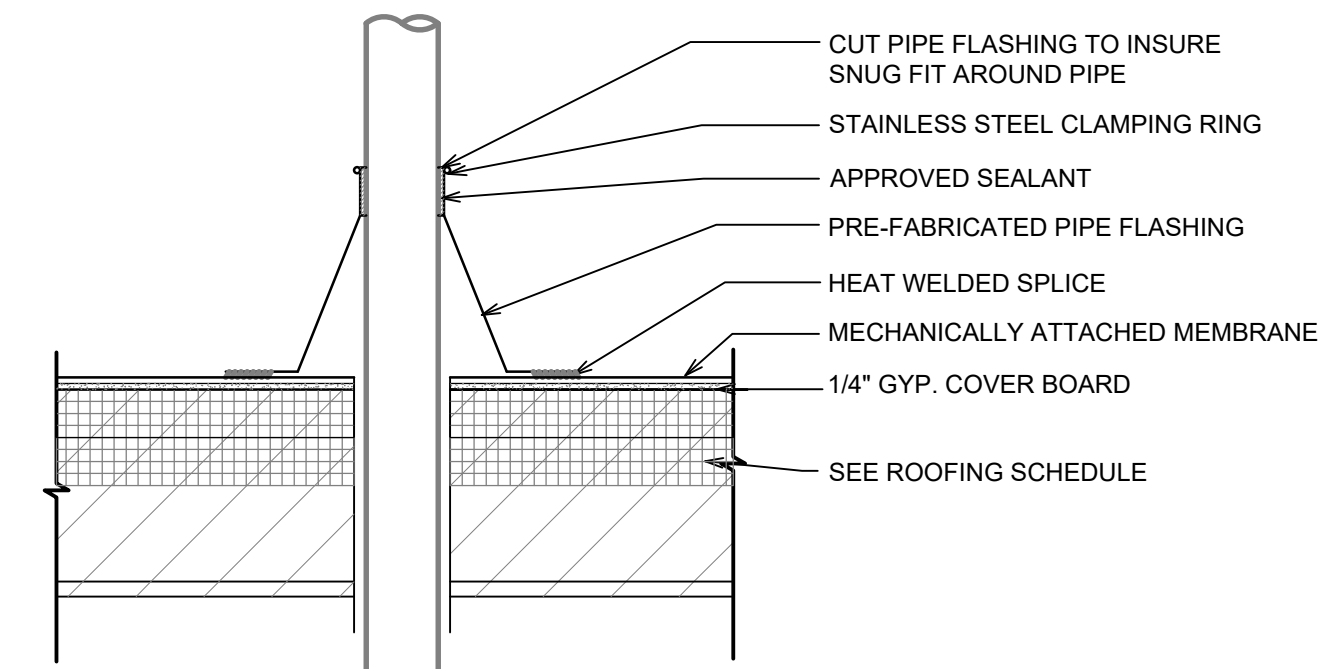
1 TYPICAL CURB DETAIL
SCALE: 1 1/2" = 1'-0"



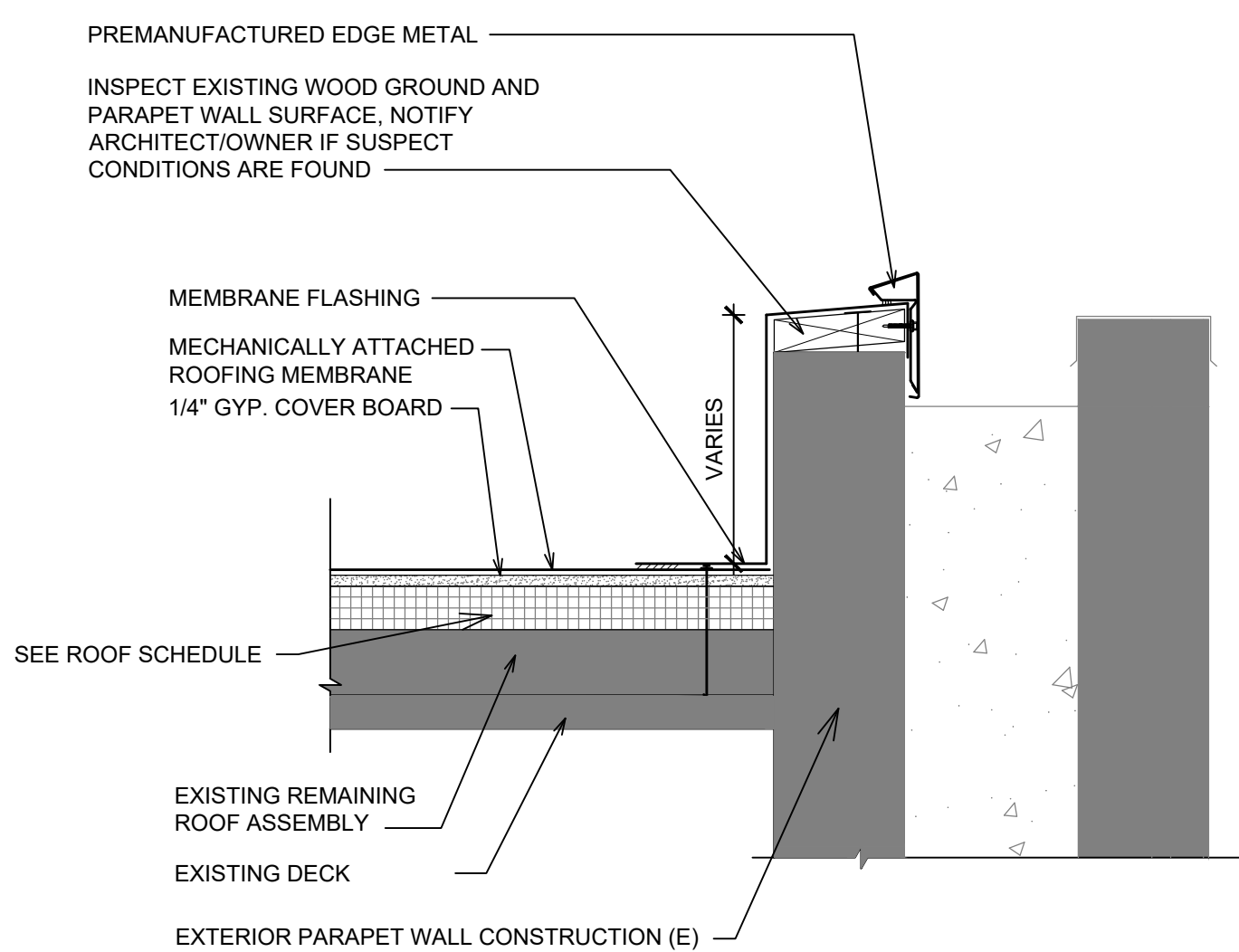
2 TYPICAL HOT FLUE DETAIL
SCALE: 1 1/2" = 1'-0"



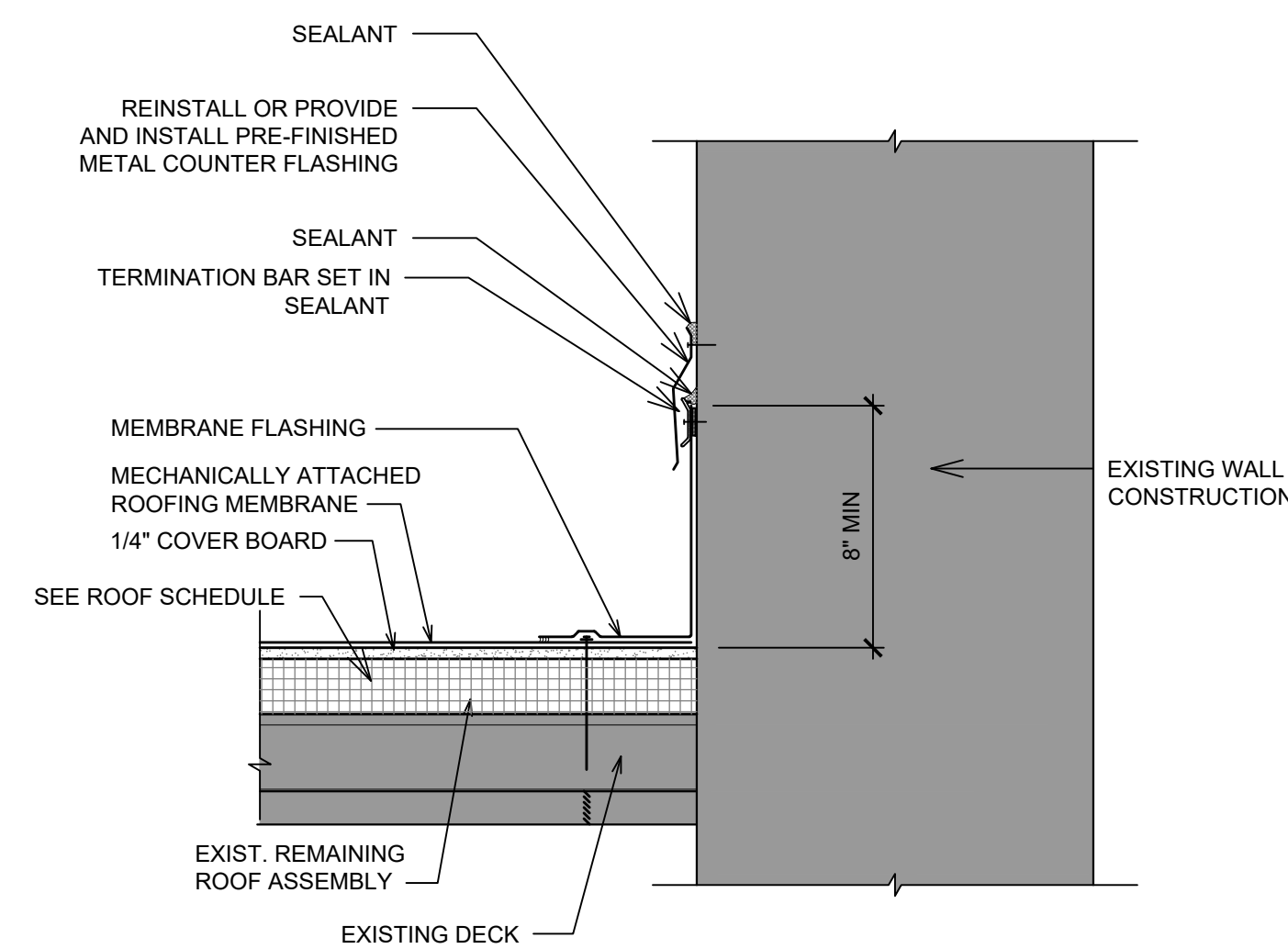
3 TYP. FIELD WRAP PIPE DETAIL
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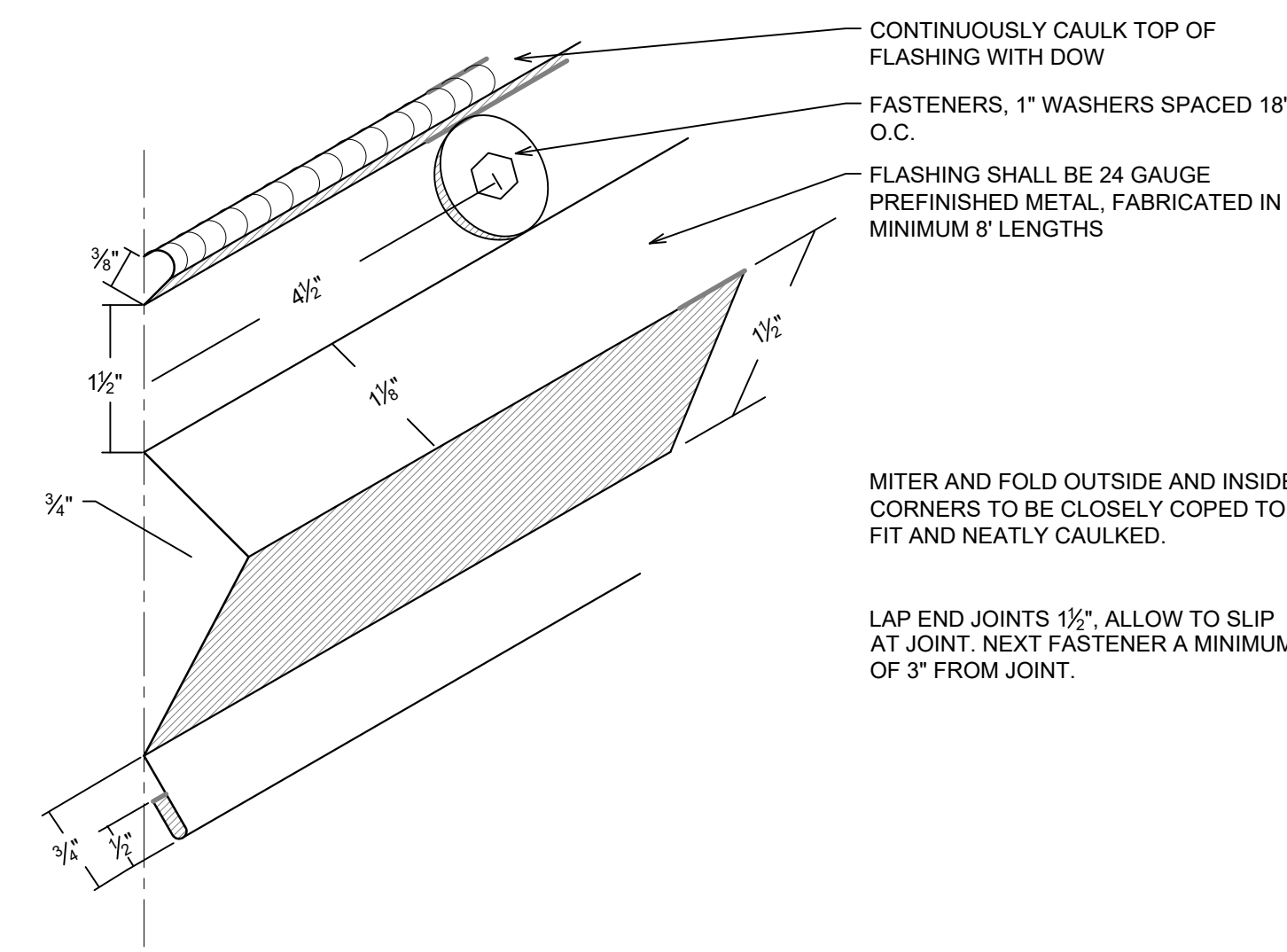
4 TYP. PRE-FABRICATED BOOT PIPE DETAIL
SCALE: 1 1/2" = 1'-0"



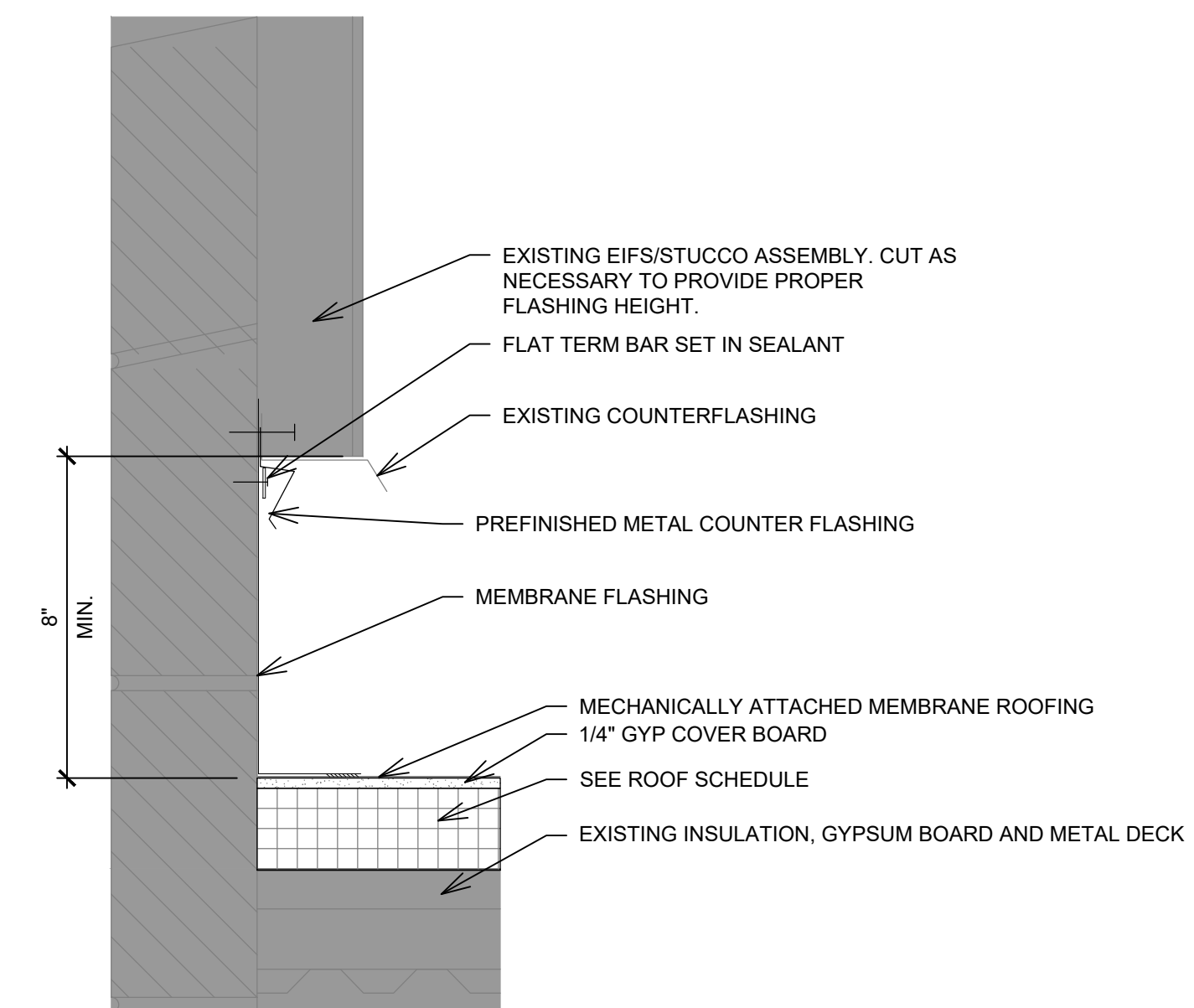
5 PARAPET DETAIL
SCALE: 1 1/2" = 1'-0"



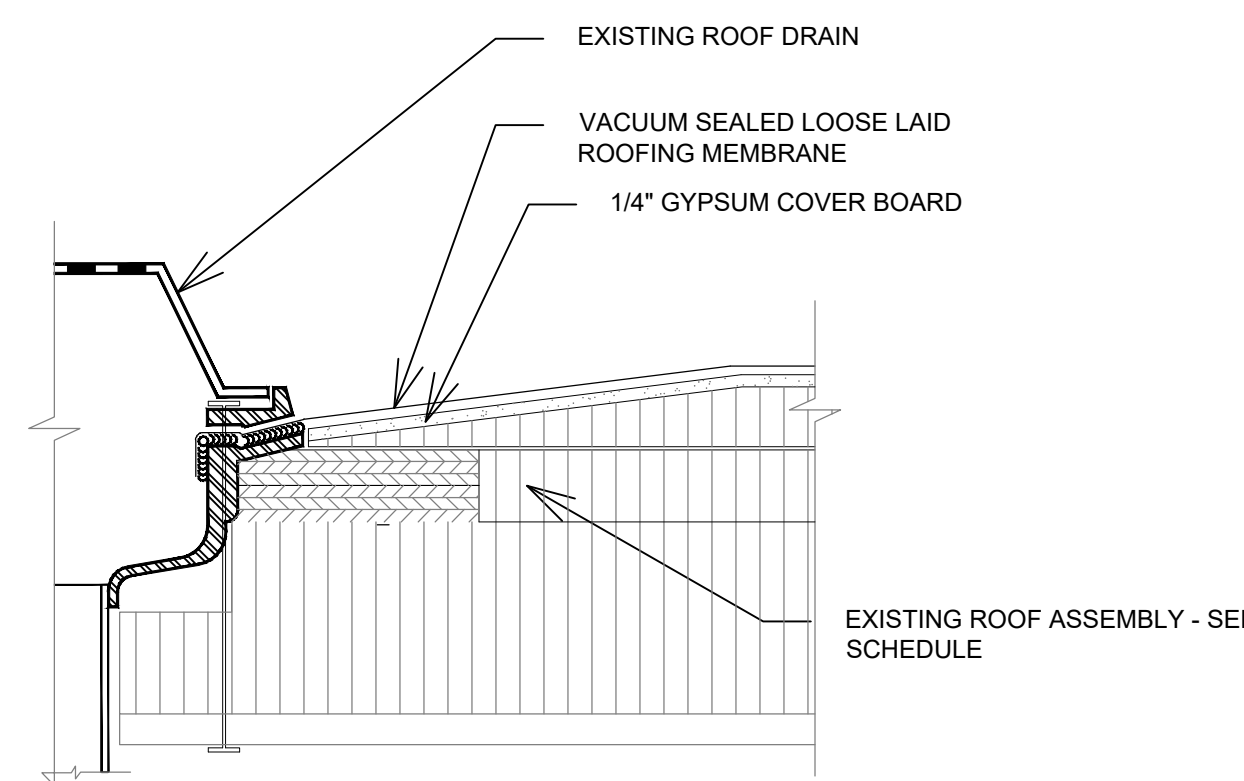
6 TYP. ROOF TO WALL DETAIL
SCALE: 1 1/2" = 1'-0"



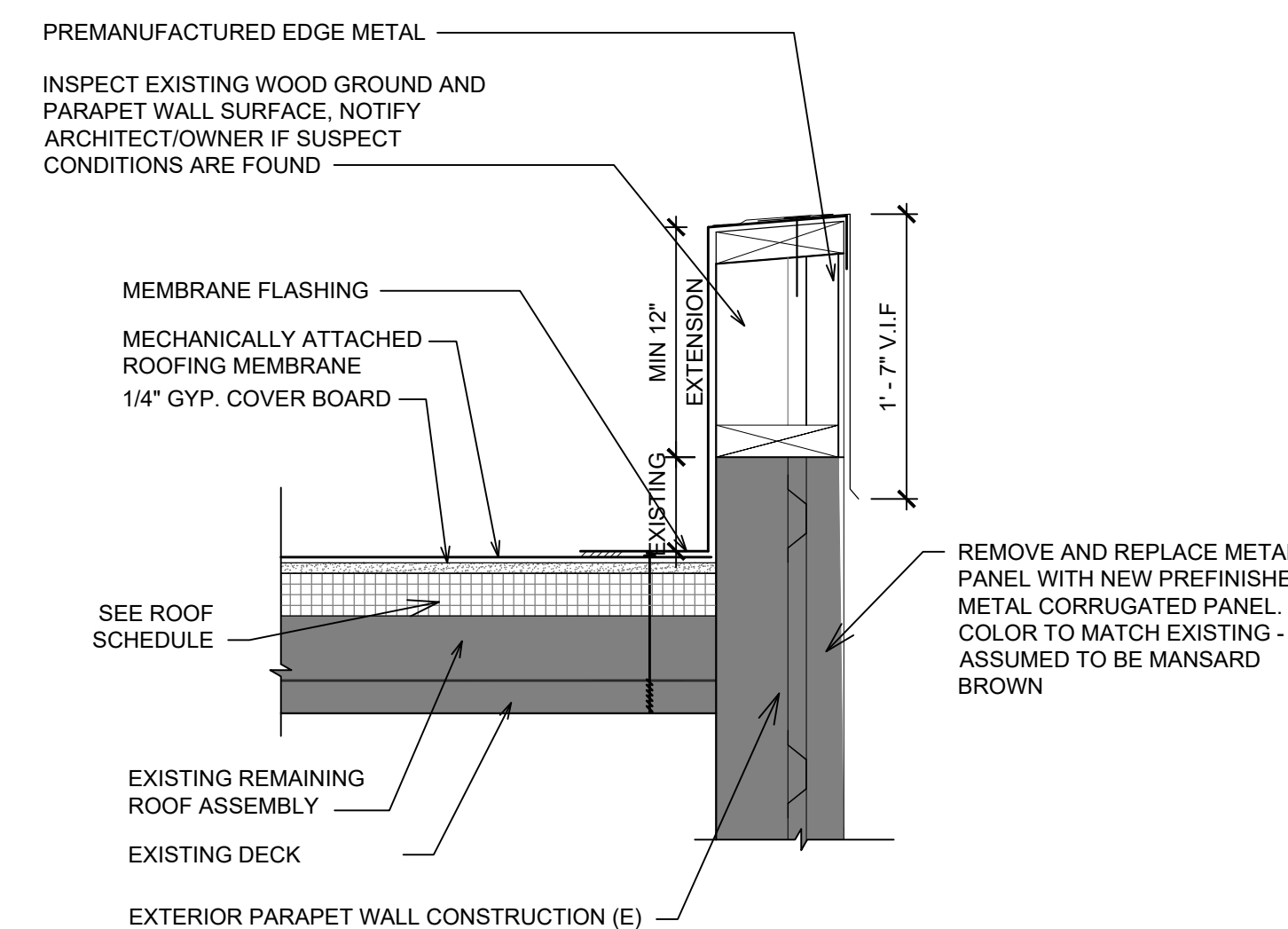
7 TYPICAL COUNTER FLASHING DETAIL
SCALE: NTS



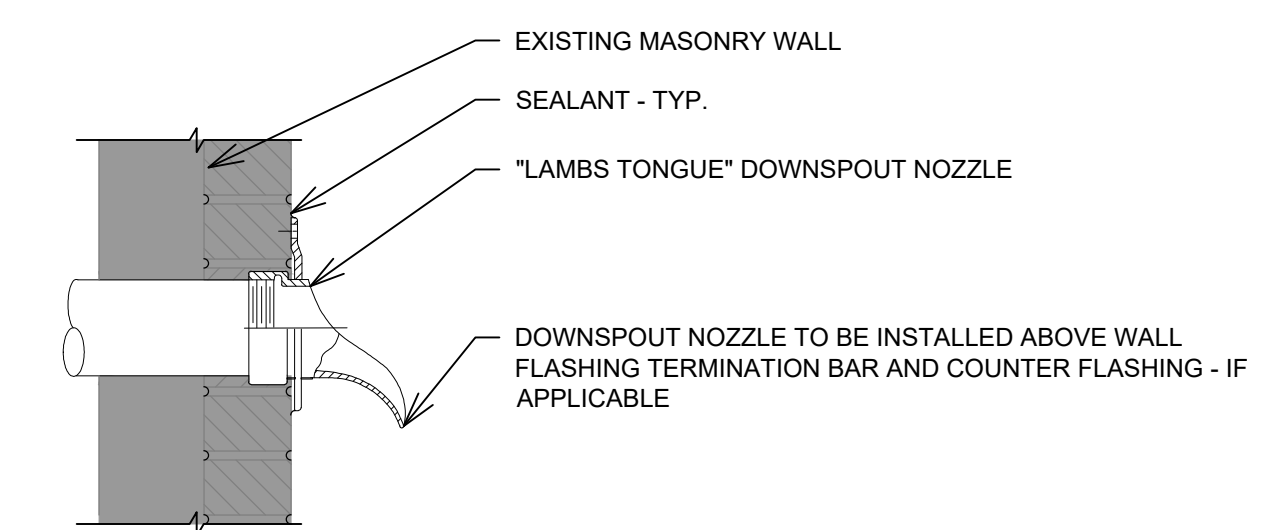
8 FLASHING AT SIDING
SCALE: 3" = 1'-0"



10 ROOF DRAIN
SCALE: 3" = 1'-0"



11 PARAPET EXTENSION
SCALE: 1 1/2" = 1'-0"



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