

DAVIDSON COUNTY

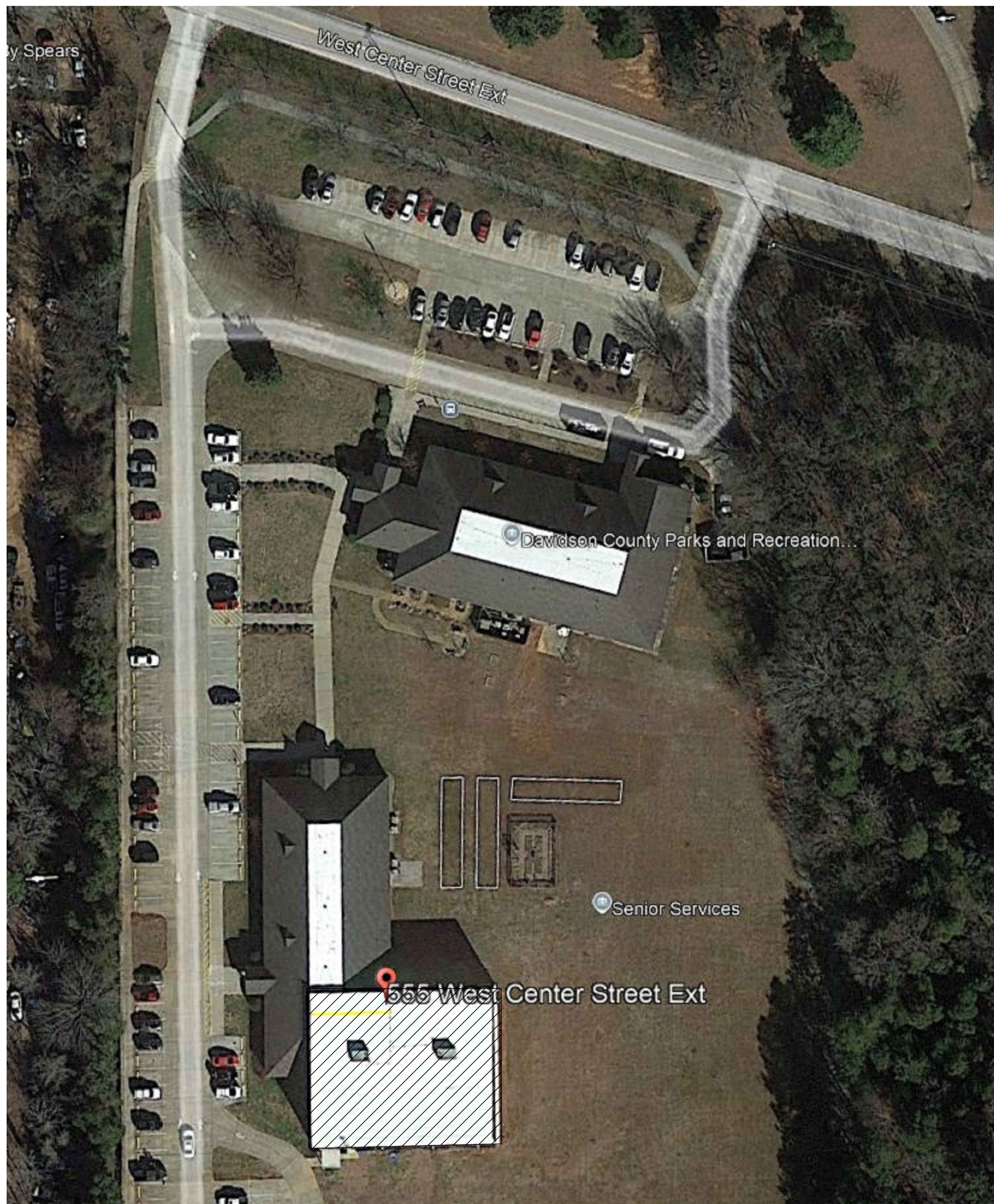
WEST CAMPUS GYM

ROOF REPLACEMENT

555-C/D WEST CENTER STREET EXTENTION
LEXINGTON, NORTH CAROLINA 27292

REI PROJECT NO. 024CLT-128

DATE: 12-02-2024



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3. ONLY ONE DETAIL INDICATOR MAY BE SHOWN FOR EACH TYPE OF ROOF PENETRATION. ALL OTHER SIMILAR PENETRATIONS ARE TO BE FLASHED AS REQUIRED BY THE TYPICAL DETAIL INDICATOR, UNLESS OTHERWISE NOTED.
4. NOTES ARE INTENDED TO PROVIDE TYPICAL LOCATIONS OF WORK. IT IS THE CONTRACTOR'S RESPONSIBILITY TO QUANTIFY ALL LOCATIONS.

DETAIL NOTES:

1. LIGHT LINES REPRESENT EXISTING CONSTRUCTION TO REMAIN AND DARK LINES REPRESENT NEW COMPONENTS TO BE PROVIDED.

ABBREVIATION LIST:		MIN.	MINIMUM
AB	ABANDONED	N.I.C.	NOT IN CONTRACT
ALUM.	ALUMINUM	NOM.	NOMINAL
BLDG.	BUILDING	N.T.S.	NOT TO SCALE
CJ	CONTROL JOINT	O.C.	ON CENTER
DS	DOWNSPOUT	OF	OVERFLOW
EJ	EXPANSION JOINT	PS	PRESSURE SENSITIVE
EPDM	ETHYLENE PROPYLENE DIENE MONOMER	PVC	POLYVINYL CHLORIDE
EX.	EXISTING	RPLC.	REPLACEMENT
GALV.	GALVANIZED	SF	SQUARE FEET
GA.	GAUGE	S.S.	STAINLESS STEEL
HT	HEIGHT	SIM.	SIMILAR
MAX.	MAXIMUM	TERM.	TERMINATE/TERMINATION
		TYP.	TYPICAL

DRAWING INDEX:

G-001	COVER
XR101	ROOF PLAN
XR501	ROOF SYSTEMS/DECK SECUREMENT/DETAILS

BUILDING CODE REFERENCE:

2018 NCBC: BUILDING
2018 NCBC: ENERGY CONSERVATION
2018 NCBC: EXISTING BUILDING
2018 NCBC: FIRE PREVENTION
2018 NCBC: FUEL GAS
2018 NCBC: MECHANICAL
2018 NCBC: PLUMBING

KEY	
—	ROOF EDGE
(X)	ROOF AREA INDICATOR
□	INCLUDED IN CONTRACT
□	NOT IN CONTRACT
□	STAGING AND MATERIAL STORAGE



A SITE PLAN
SCALE: N.T.S.

B GENERAL NOTES & INFORMATION
SCALE: N.T.S.



ENGINEERS

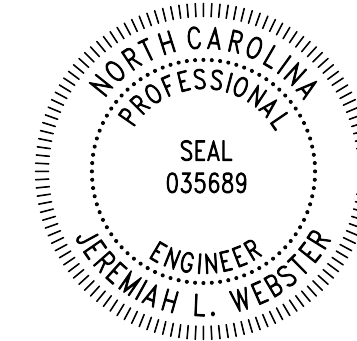
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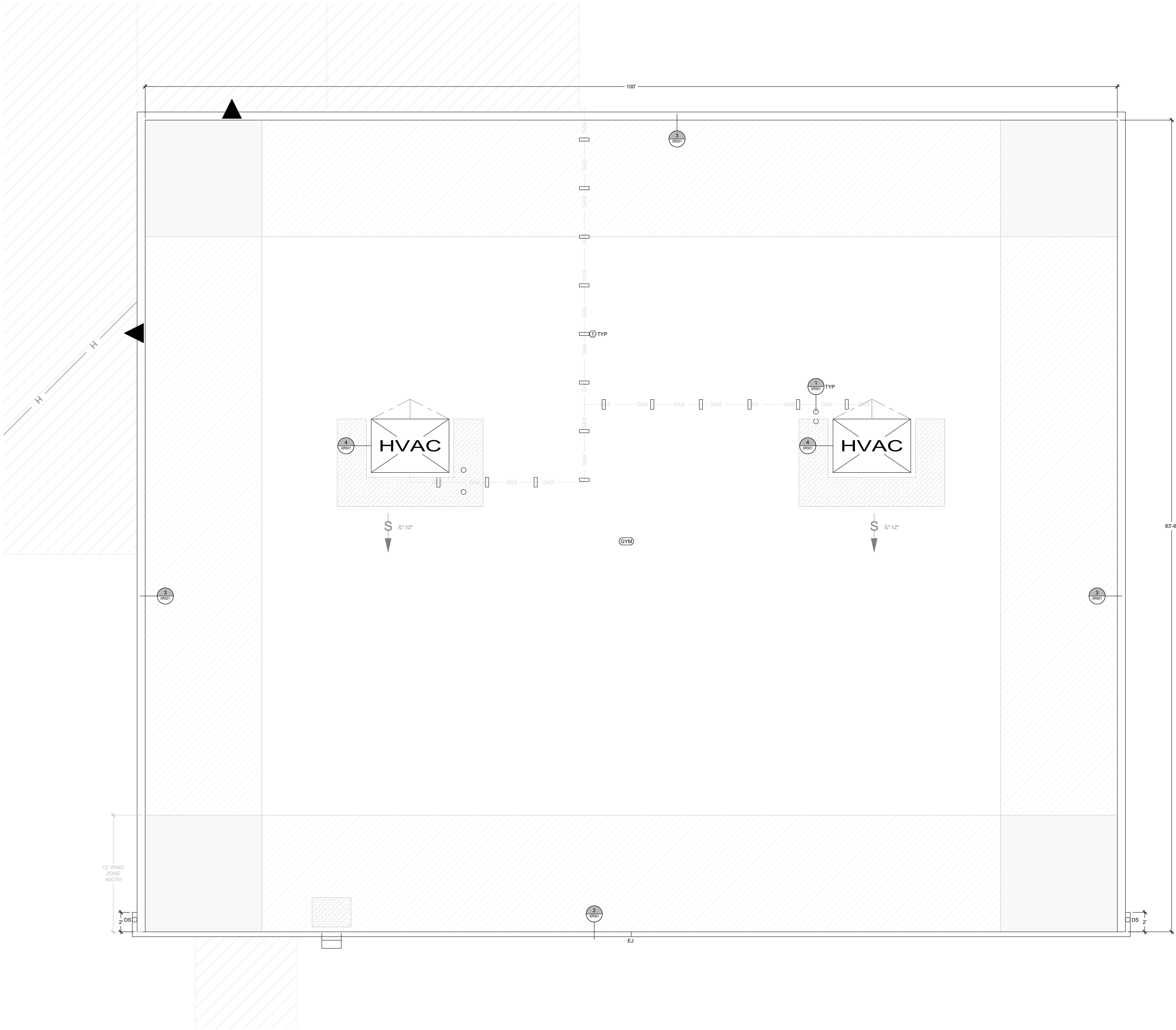
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SHEET TITLE:

COVER

DRAWING:

G-001



ROOF SECTOR	AREA	HEIGHT (FT.)
GYM	± 8,650 SQ. FT.	32'

WIND UPLIFT SUMMARY		
ASCE 7 - 10		
ULTIMATE DESIGN WIND SPEED	115 MPH	
RISK CATEGORY	II	
EXPOSURE	C	
ENCLOSURE	ENCLOSED	
	ULTIMATE WIND UPLIFT PRESSURES (psf)	MIN. REQUIRED WIND UPLIFT STRENGTH (psf x 125 SF)
ZONE 1 - FIELD	-40 PSF	-50 PSF
ZONE 2 - PERIMETER	-67 PSF	-84 PSF
ZONE 3 - CORNER	-101 PSF	-127 PSF
ZONE 4 - PERIMETER	-40 PSF	-50 PSF
ZONE 5 - CORNER	-49 PSF	-62 PSF

WIND ZONES	
ZONE 1 (INTERIOR)	
ZONE 1 (FIELD)	
ZONE 2 (PERIMETER)	
ZONE 3 (CORNER)	

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SHEET NOTES:
1. SET ALL NON-PENETRATING PIPE SUPPORTS ON WALKPAD MATERIAL.

KEY	
	PARAPET WALL
	GUTTER EDGE
	HIP
	TAPERED INSULATION
	STRUCTURAL SLOPE
	GAS LINE
	PIPE PENETRATION
	HVAC UNIT
	EQUIPMENT SUPPORT CURB
	ROOF LADDER
	WALKPAD
	NOT IN CONTRACT
	ELEVATION CHANGE
	ROOF AREA INDICATOR
	NOTE NO.
	DETAIL INDICATOR
	SECTION INDICATOR



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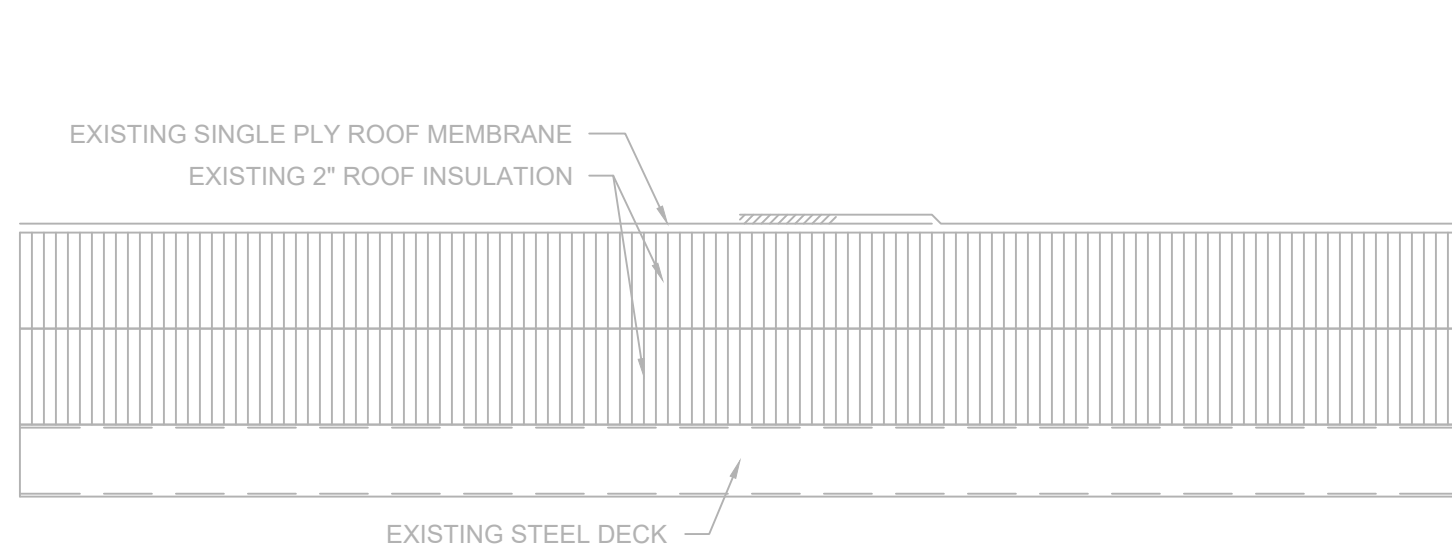
ROOF PLAN

DRAWING:

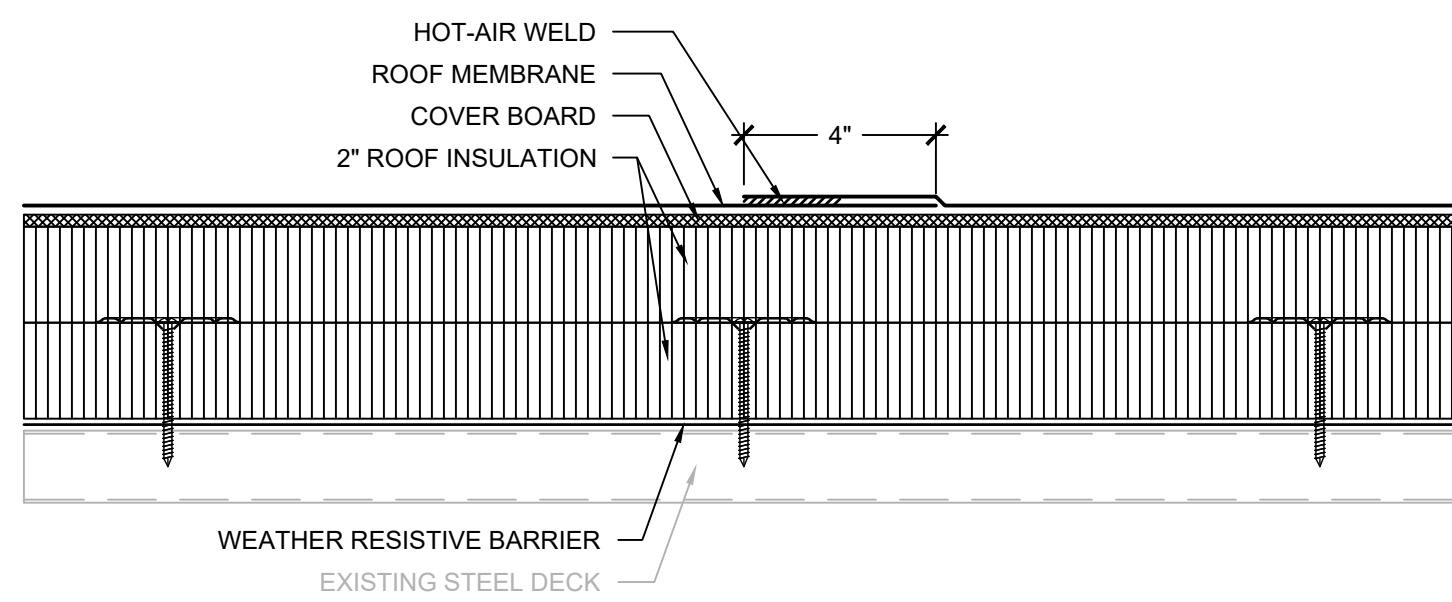
XR101

A ROOF PLAN
SCALE: 1/4" = 1'-0"

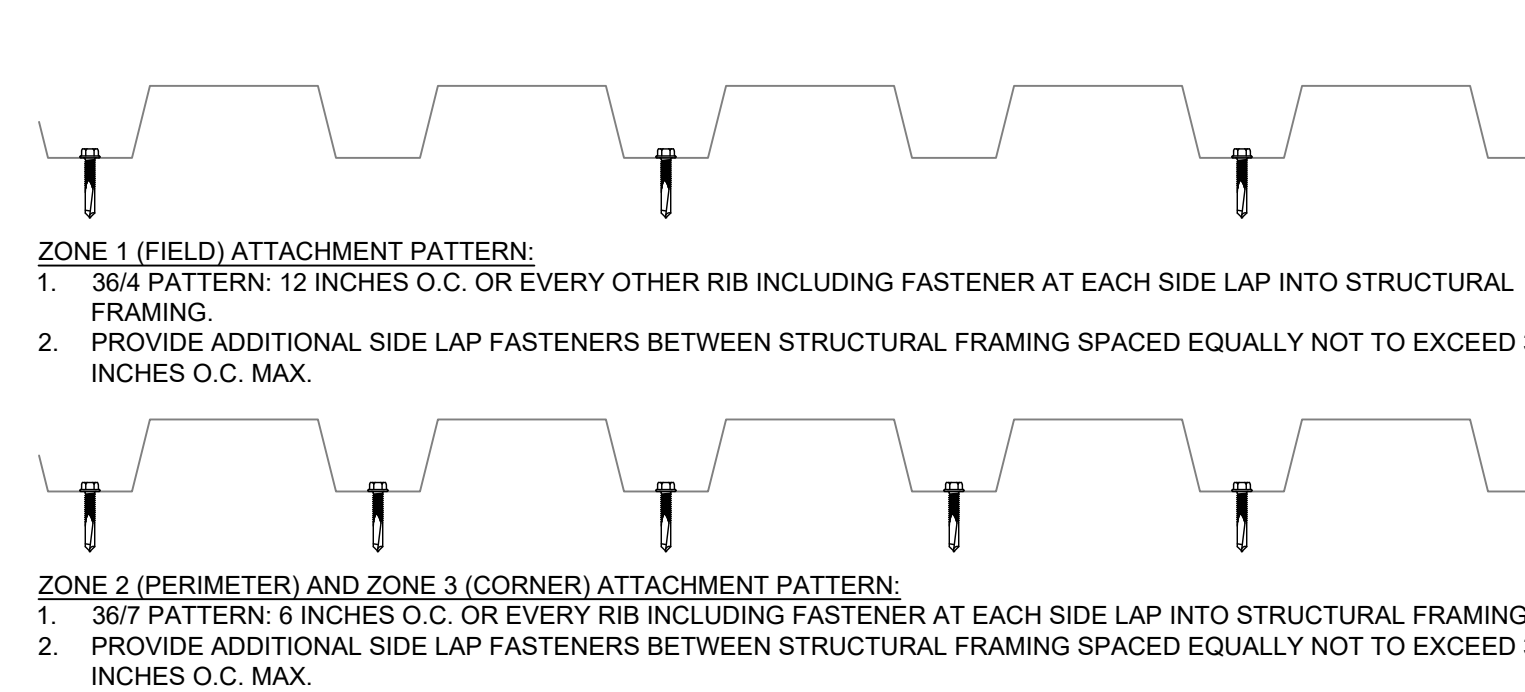
1/4" = 1'-0"



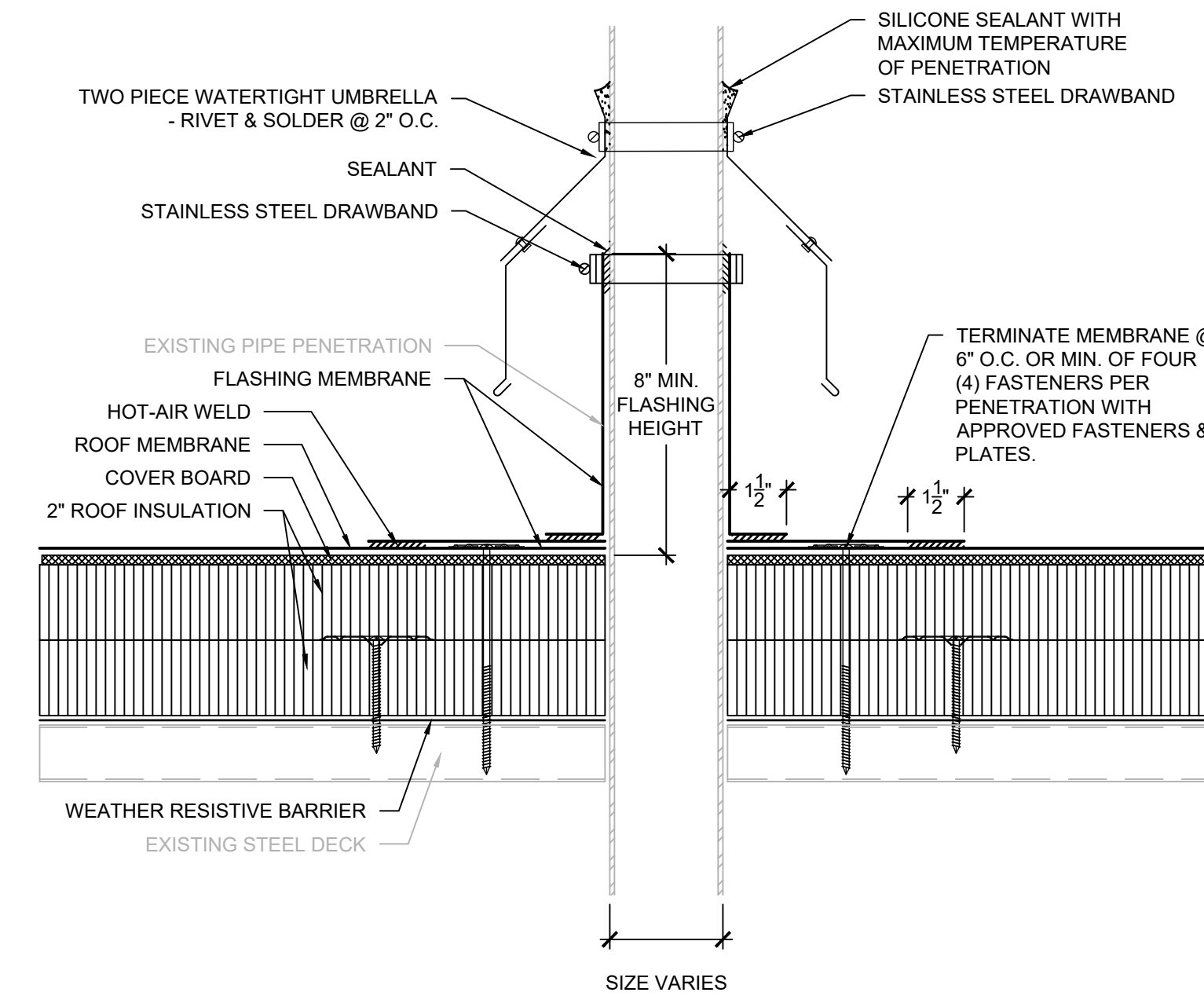
A EXISTING ROOF SYSTEM
SCALE: 3" = 1'-0"



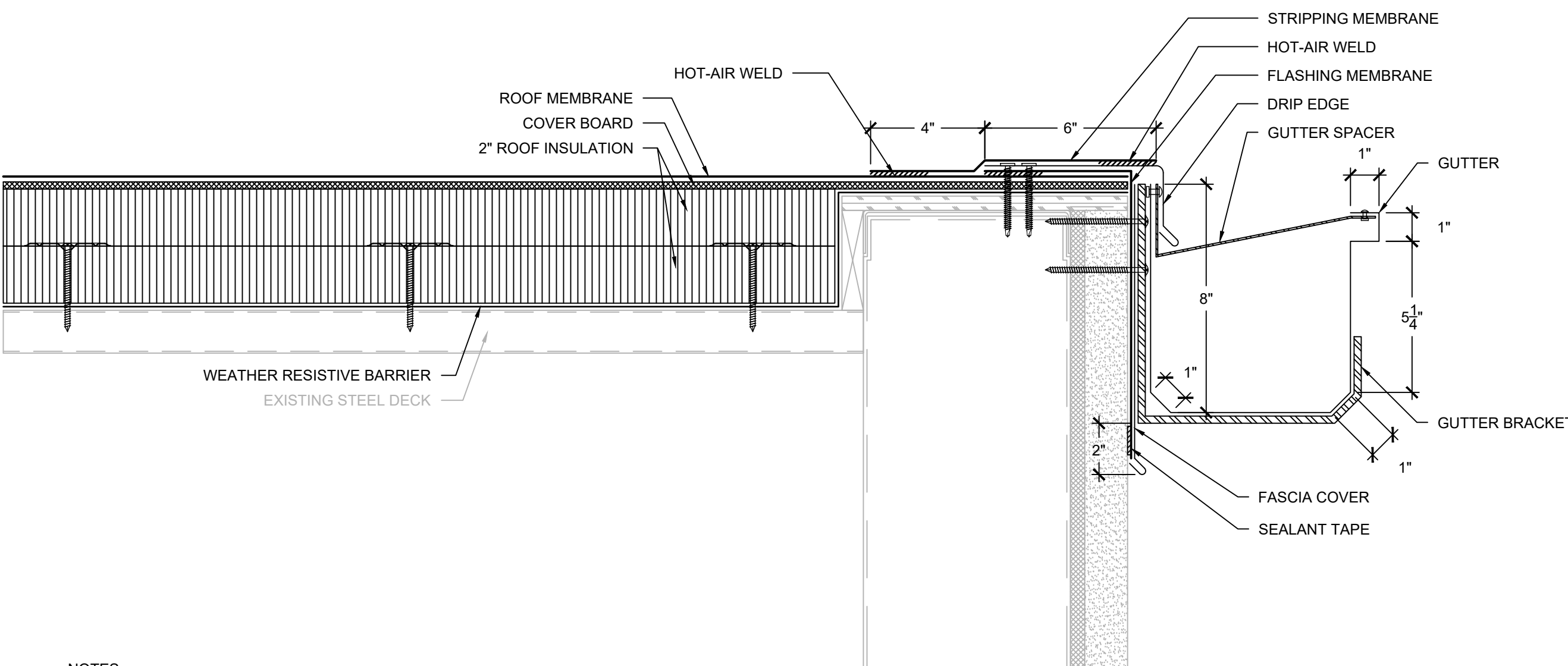
B ROOF SYSTEM
SCALE: 3" = 1'-0"



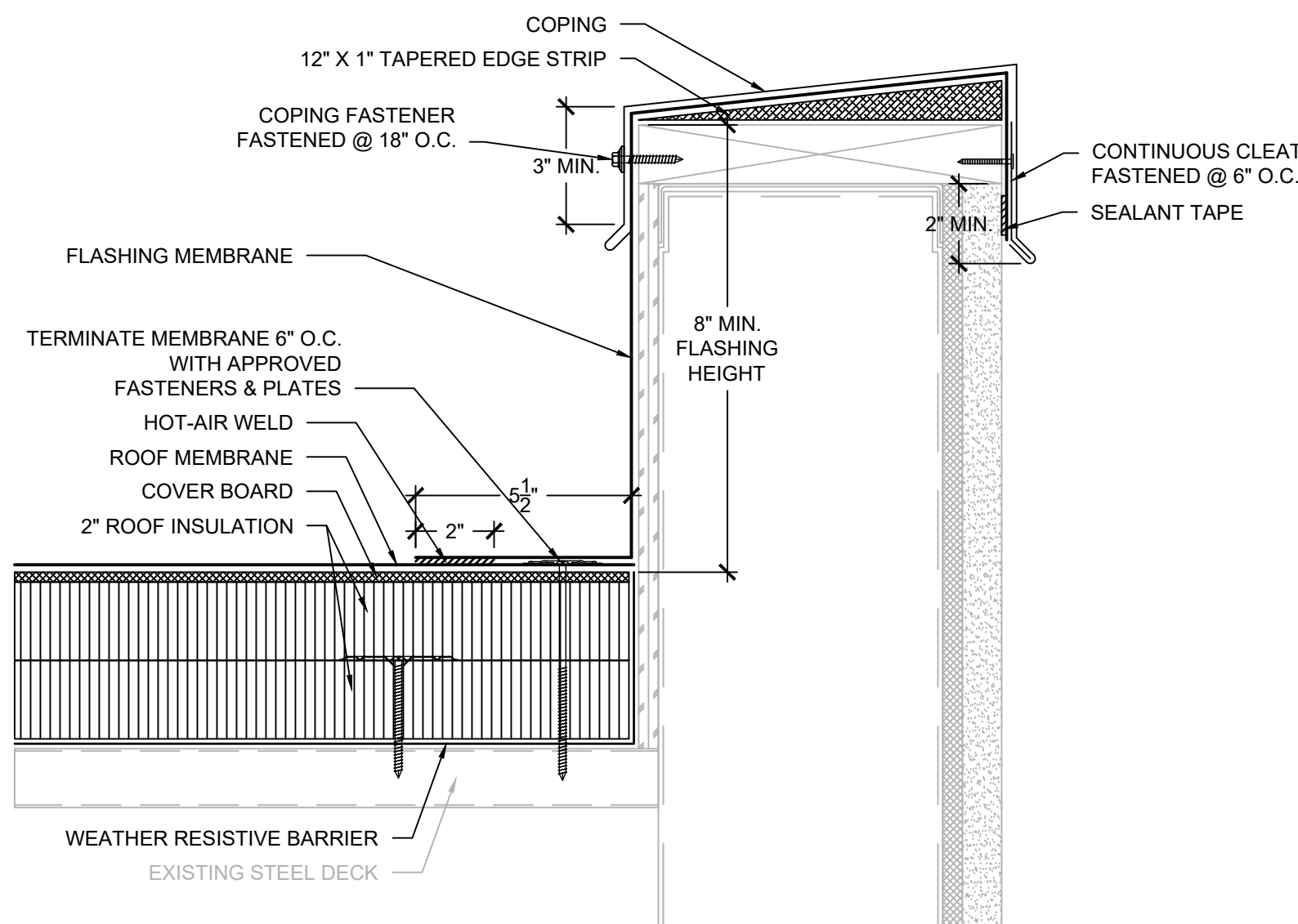
C STEEL DECK SECUREMENT
SCALE: 3" = 1'-0"



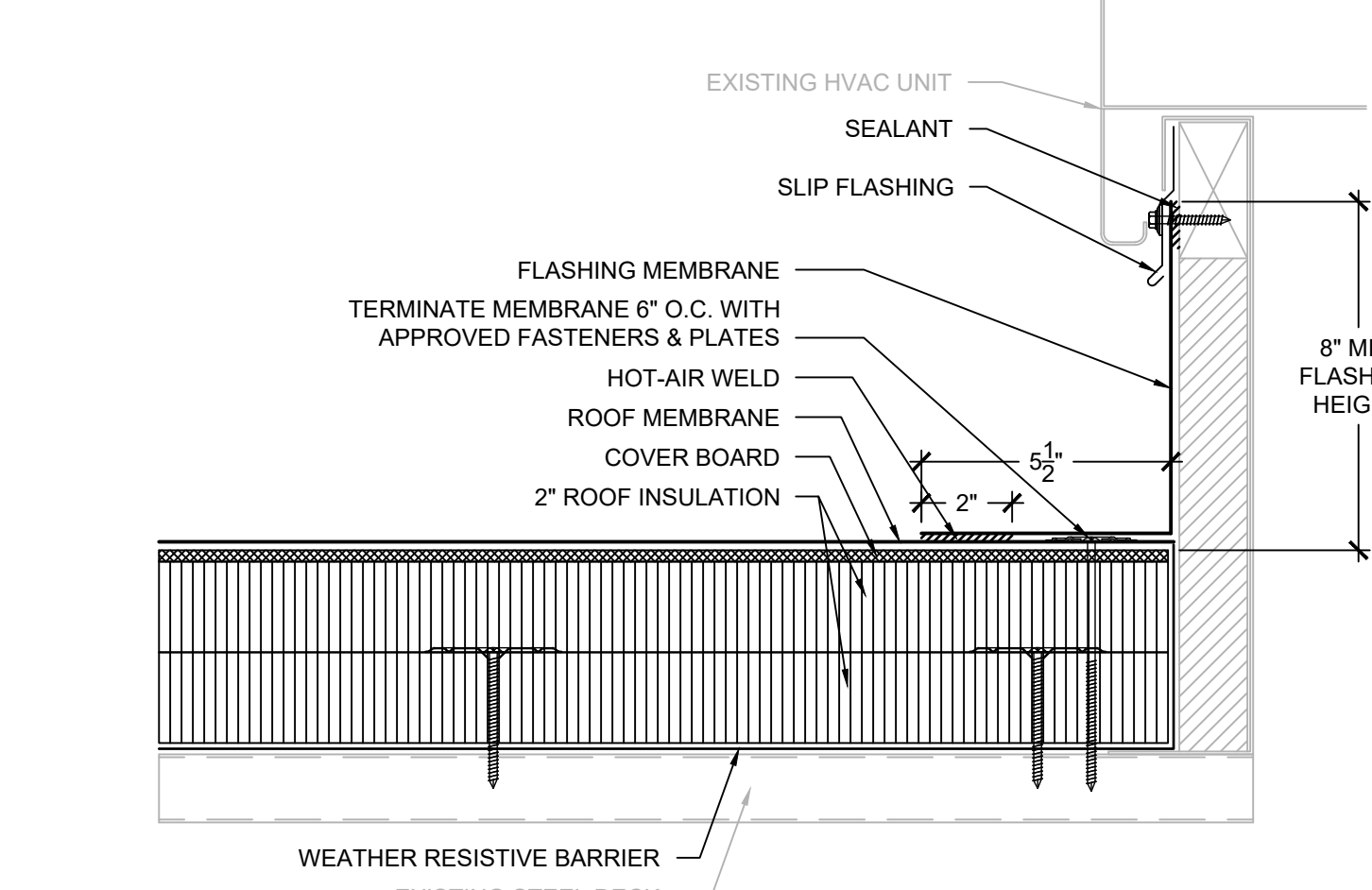
1 PIPE PENETRATION
SCALE: 3" = 1'-0"



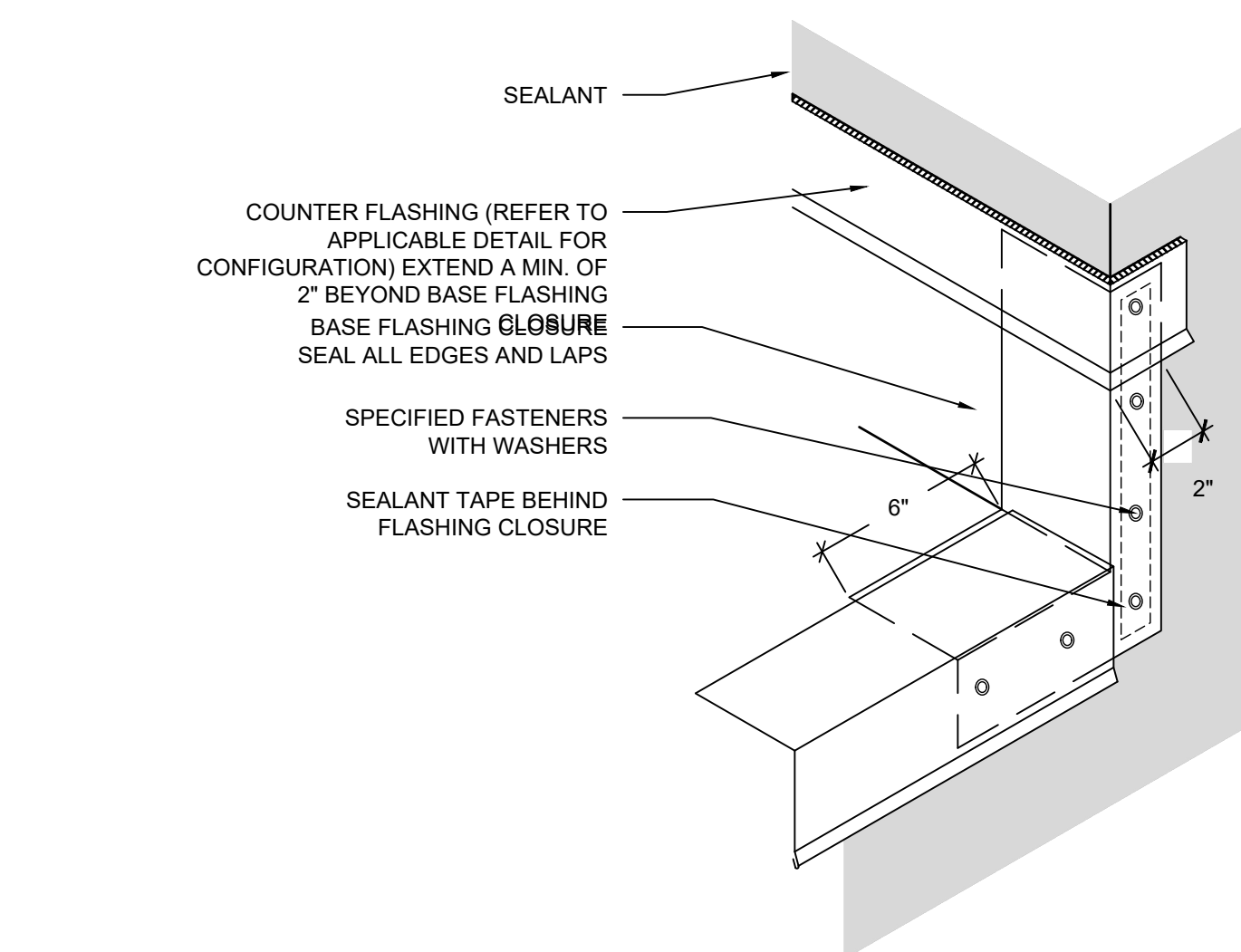
2 GUTTER EDGE
SCALE: 3" = 1'-0"



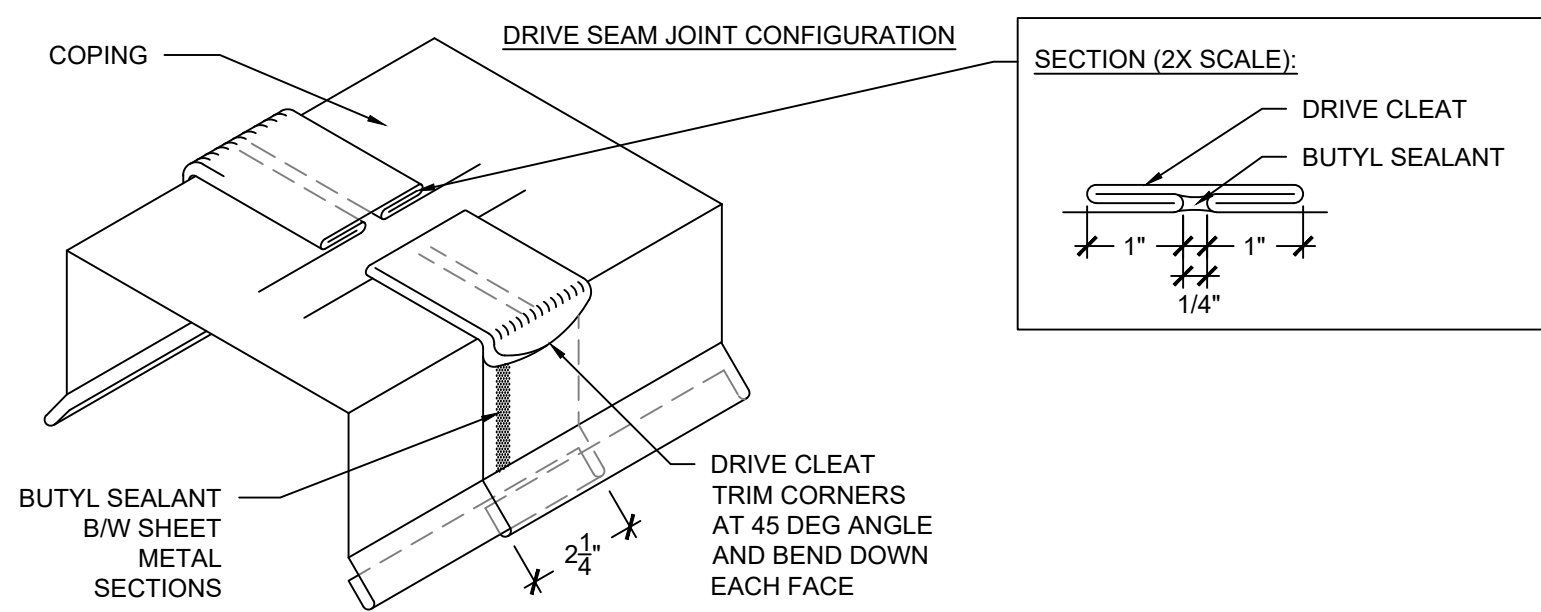
3 PARAPET WALL
SCALE: 3" = 1'-0"



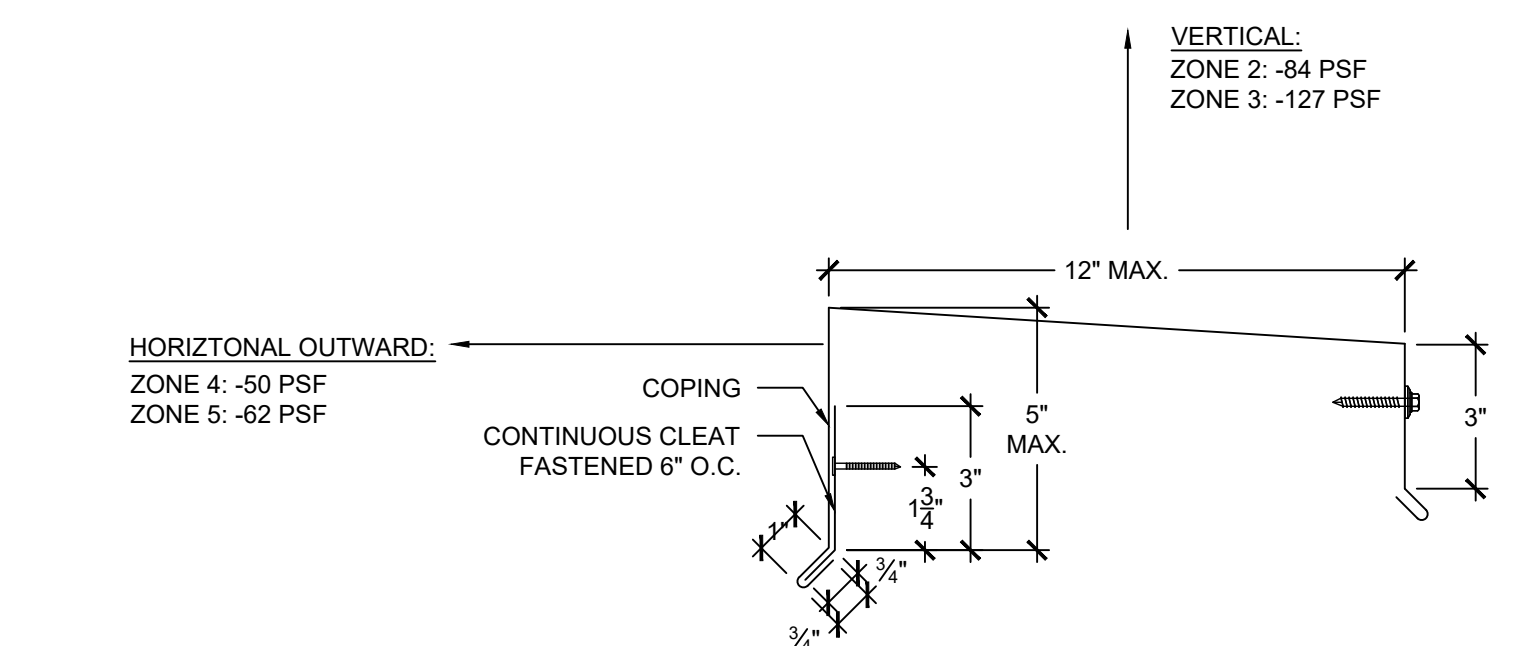
4 HVAC UNIT
SCALE: 3" = 1'-0"



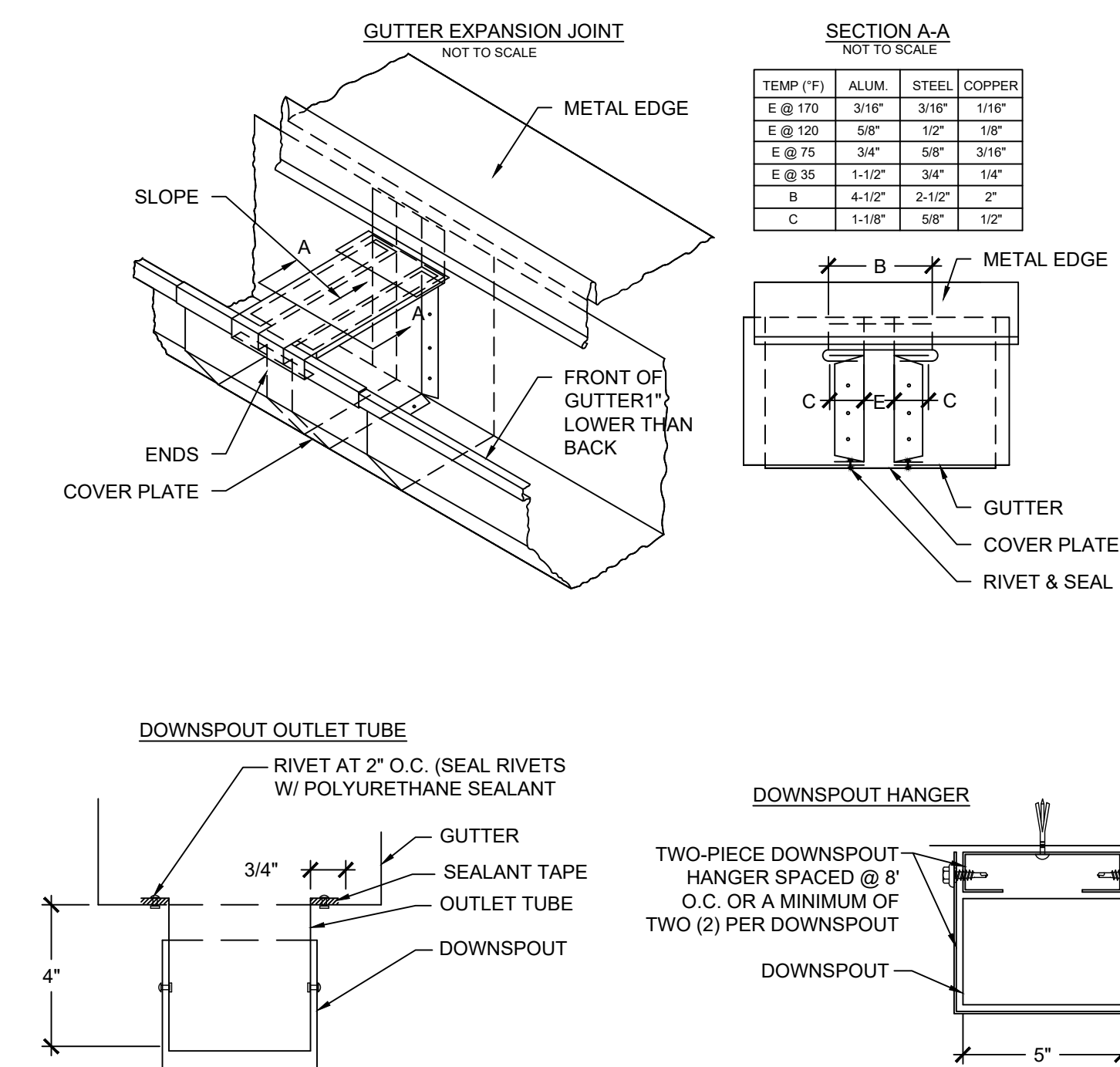
5 BASE FLASHING CLOSURE
SCALE: 3" = 1'-0"



6 COPING JOINTS (DRIVE SEAM)
SCALE: 3" = 1'-0"



7 COPING ATTACHMENT
SCALE: 3" = 1'-0"



8 GUTTER/DOWNSPOUT COMPONENTS
SCALE: 3" = 1'-0"



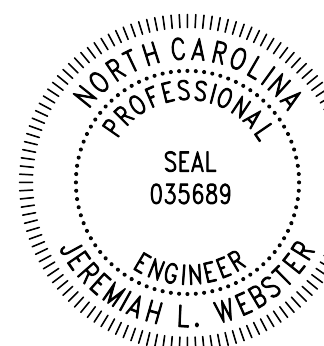
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2. ANY WHOLE OR PARTIAL INSULATION BOARD OR PORTION OF ANY BOARD WHICH FALLS IN THE PERIMETERS & CORNERS OUTLINED SHALL BE SUBJECT TO THE FASTENING REQUIREMENTS FOR THE HIGHEST WIND ZONE ENCOUNTERED, ACROSS THE ENTIRE BOARD.

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SHEET TITLE:

ROOF SYSTEMS/
DECK SECUREMENT/
DETAILS

DRAWING:

XR501