

KEY PLAN

	TAPERED SLOPE DIRECTION
	STRUCTURAL SLOPE
	PARAPET WALL
	GUTTER/DOWNSPOUT
	NEW CRICKETS
	ROOF DRAIN AND SUMP
	ABANDONED PIPE PENETRATION
	ABANDONED AIR CONDITIONING UNIT
	ABANDONED VENTILATOR UNIT
	ABANDONED EQUIPMENT UNIT
	ABANDONED SKYLIGHT
	SANITARY VENT PIPE
	ANCHOR TIE DOWN
	SKYLIGHT TO BE REPLACED

	DETAIL FLAG No. #
	GENERAL NOTE FLAG No.#
	ABANDONED PENETRATION
	NOT IN CONTRACT
	ABANDONED HVAC UNIT
	ABANDONED COVER CURB
	ABANDONED AC UNIT ON SLEEPERS
	ABANDONED AC UNIT
	ABANDONED AC UNIT AND CURB ADAPTOR
	ROOF ACCESS LADDER

CODE SUMMARY

SOUTH CAROLINA BUILDING CODE (2015 EDITION) AND ASCE 7-10
 BASIC WIND SPEED = 120 MPH
 CATEGORY = III
 EXPOSURE CATEGORY = B
 INTERNAL PRESSURE CODE = +/- 0.18

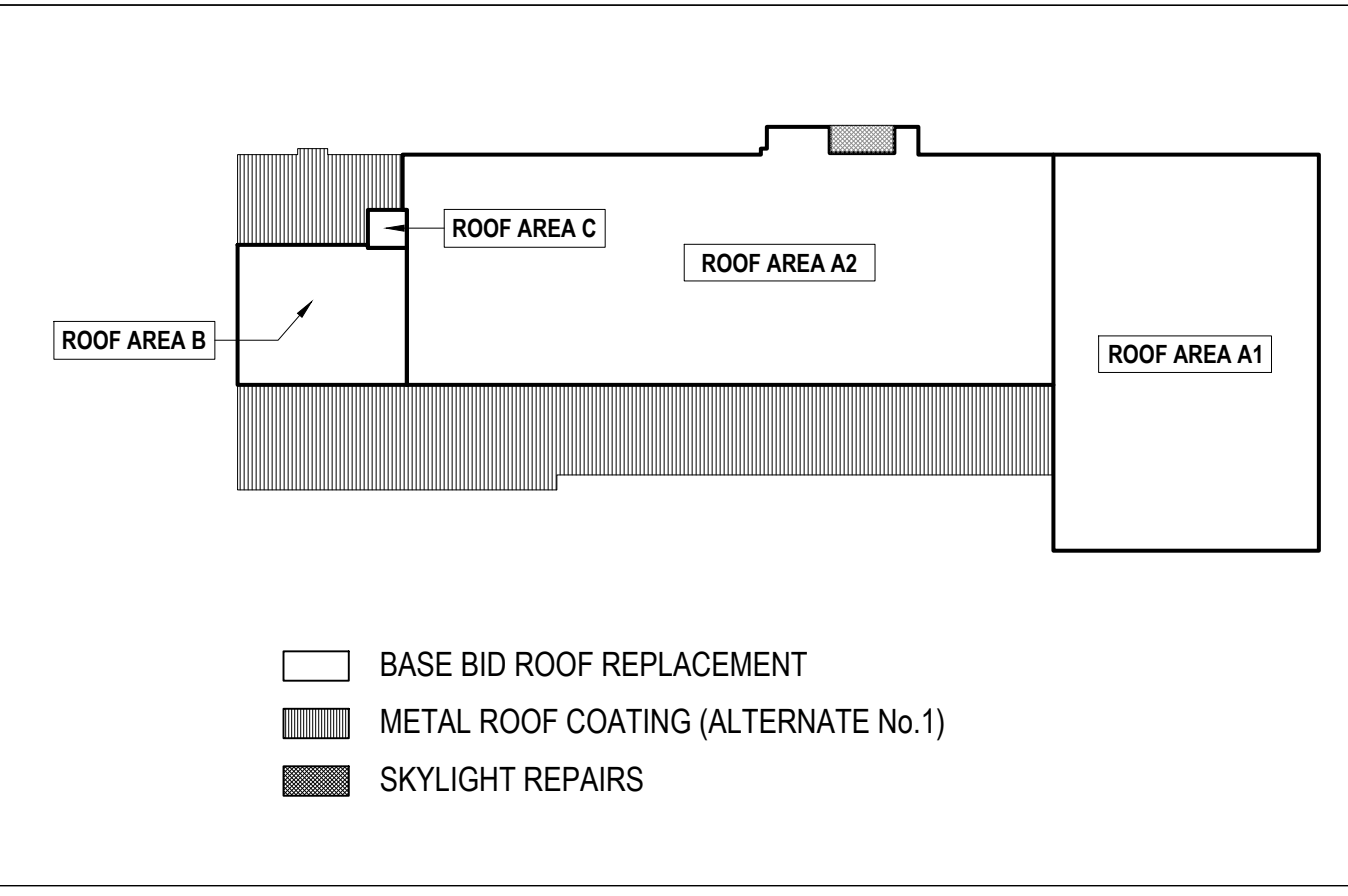
THE NEW ROOF SYSTEM SHALL BE DESIGNED AND CONSTRUCTED TO MEET THE FOLLOWING WIND UPLIFT PRESSURES:

1. INTERIOR ZONE = - 25.9 PSF
 2. EDGE ZONE = - 43.5 PSF
 3. CORNER ZONE = - 65.4 PSF

GENERAL NOTES

- THE SCOPE OF WORK UNDER THE BASE BID GENERALLY CONSISTS OF:**
- 1 THE REMOVAL AND DISCARDING OF THE EXISTING ROOF DOWN TO THE DECK. REPLACE WITH A NEW 2-PLY MODIFIED BITUMEN ROOF SYSTEM OVER A COVER BOARD, RIGID INSULATION, AND GYPSUM UNDERLAYMENT ON AREAS A1, A2, B, AND C.
 - 2 INSTALLATION OF METAL FLASHINGS, EDGE METAL, COPING CAPS, GUTTERS, DOWNSPOUTS.
 - 3 NEW ROOF ACCESS LADDER ON AREA B/C AT THE STAIRWELL AREA.
 - 4 REMOVE, STORE AND REUSE EXISTING STAIR PLATFORM AT THE AREA A2/B INTERFACE.
 - 5 REMOVAL AND DISCARDING OF ALL EXISTING ROOF TOP UNITS AND COVERING OF DECK OPENINGS.
 - 6 REPAIRS TO SKYLIGHT ENTRANCE AND METAL ROOFING AREAS.
 - 7 ALTERNATE No.1 - COAT METAL ROOF

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 Project No. FH196042
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ENGINEER STATE LICENSE SEAL

PROJECT NAME AND ADDRESS:
 University of South Carolina
1206 FLORA STREET MILL RENOVATION PROJECT
 Project No. H27-Z371 50003309-2
 Project Address:
 University of South Carolina
 1206 Flora Street
 Columbia, South Carolina 29201

ISSUE DATE:
07.11.2019

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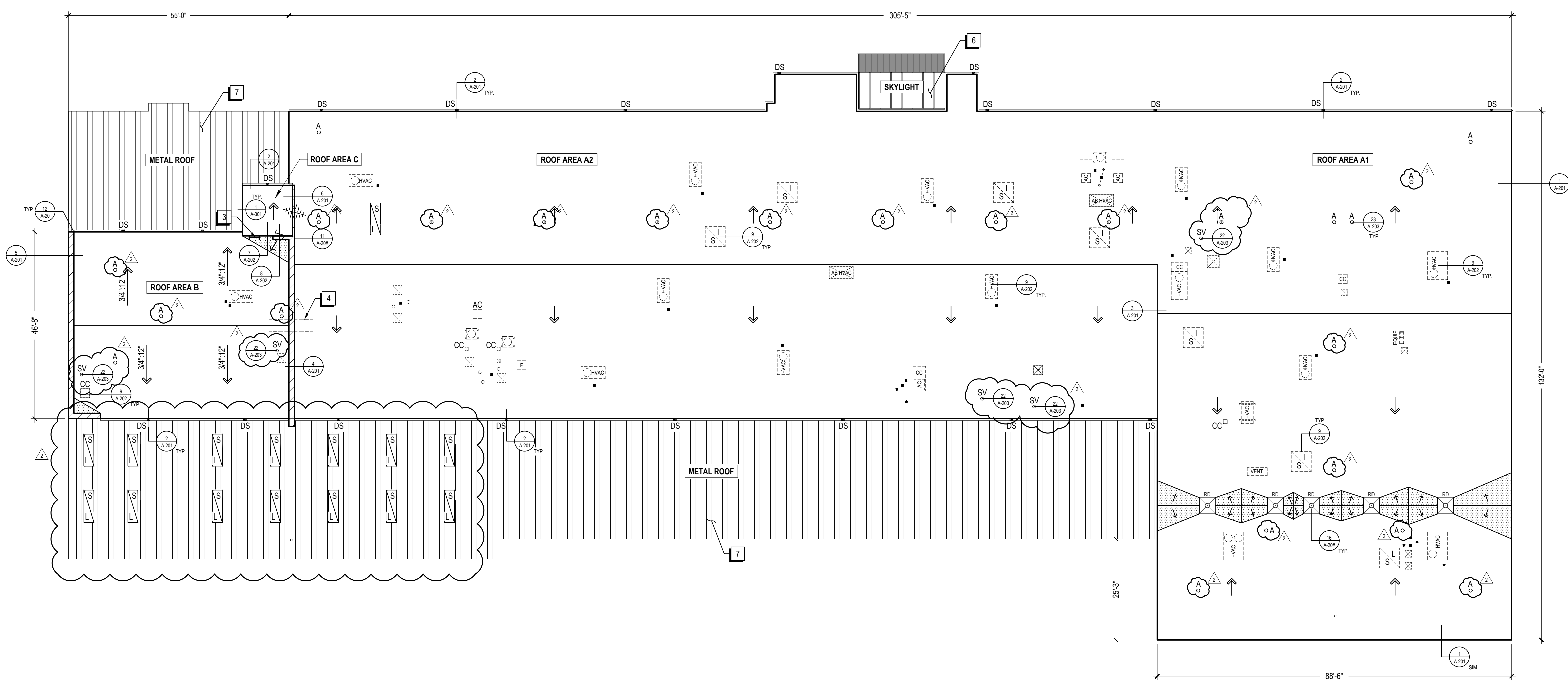
ADDENDUM:
 No. DATE DESCRIPTION:
 2 09.30.19 ADDENDUM No. 2

PROJECT TEAM:
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 VTN
 DRAWN BY:
 IMM
 APR REVIEWER:
 LTH

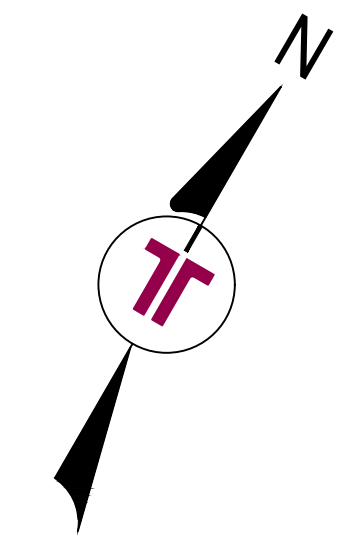
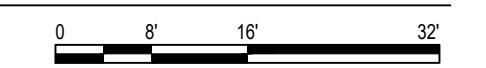
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TITLE SHEET:
 ROOF PLAN

SHEET NUMBER:
A-101



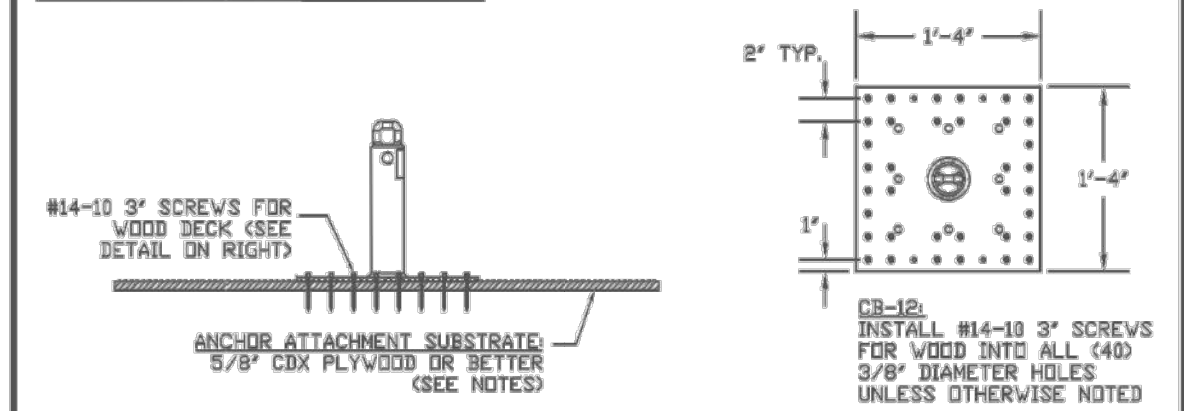
1 ROOF PLAN: 1206 FLORA STREET MILL BUILDING
 1/16" = 1'-0"



**CB-12 ON WOOD
 (SCREWED-DOWN CONNECTION)**

INSTALLATION DETAIL COMPATIBLE WITH:
 - #80845 CB-12
 - #59591 CB-12 HYBRID

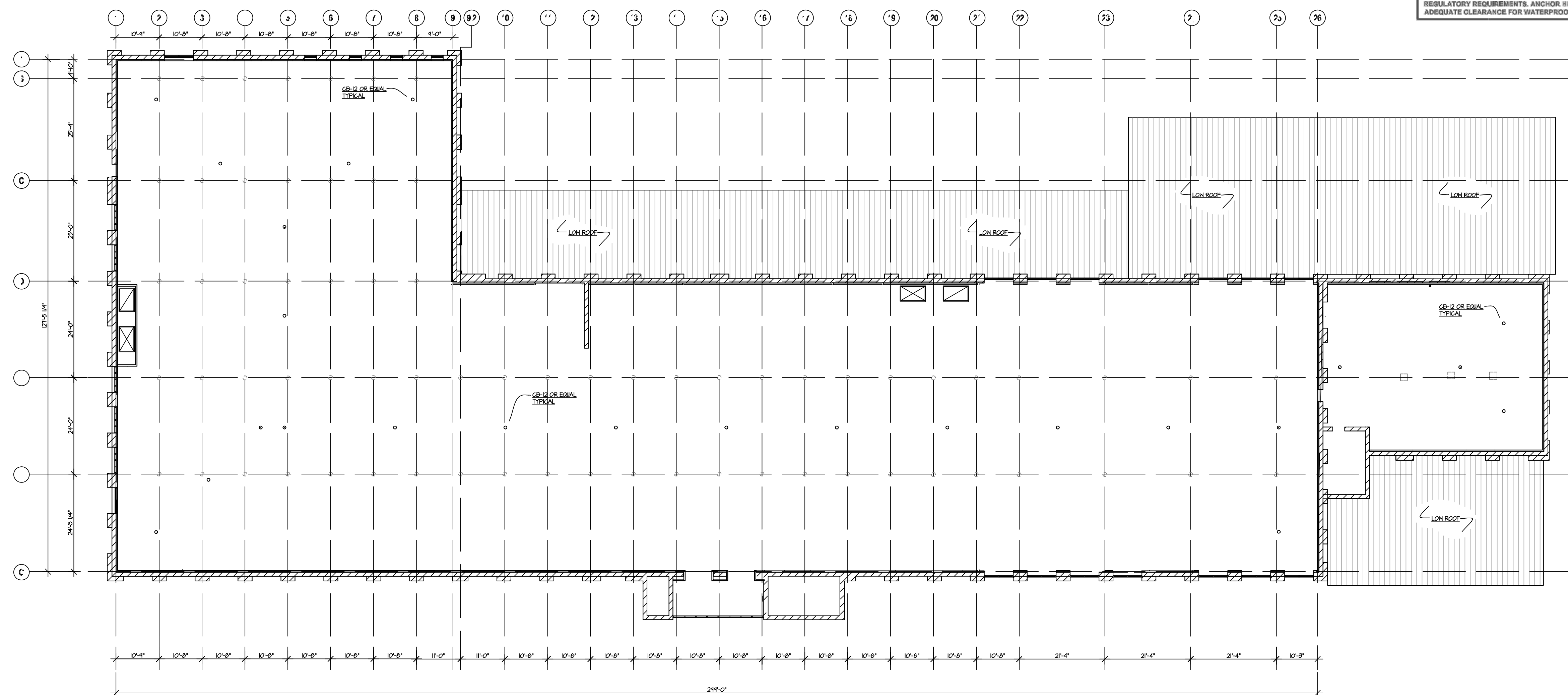
CONTACT GUARDIAN ESG FOR
 INSTALLATION REQUIREMENTS
 OF ITEMS NOT LISTED ABOVE.



- INSTALLATION / STRUCTURAL NOTES:**
1. ALWAYS INSTALL ANCHORS INTO A STRUCTURE CAPABLE OF WITHSTANDING THE DESIGN LOADS.
 2. THE DESIGN LOAD OF A FALL PROTECTION SYSTEM UTILIZING THESE ANCHORS FOR PERMANENT APPLICATIONS SHALL BE 5,000 LBS. UNLESS DETERMINED OTHERWISE BY A QUALIFIED PERSON.
 3. MINIMUM SUBSTRATE REQUIREMENTS FOR THE ANCHOR ATTACHMENT INCLUDE 5/8\"/>

CONTACT A GUARDIAN
 ENGINEERED SERVICES
 GROUP REPRESENTATIVE FOR
 ADDITIONAL INFORMATION.

GUARDIAN CB ANCHORS HAVE BEEN DESIGNED TO MEET OSHA 1926 AND ANSI Z359.1 REGULATORY REQUIREMENTS. ANCHOR HEIGHT SHALL BE SELECTED TO PROVIDE ADEQUATE CLEARANCE FOR WATERPROOFING MEASURES TO BE DETERMINED BY OTHERS.



1 EXISTING STRUCTURAL PLAN: 1206 FLORA STREET MILL BUILDING
 1/16" = 1'-0"

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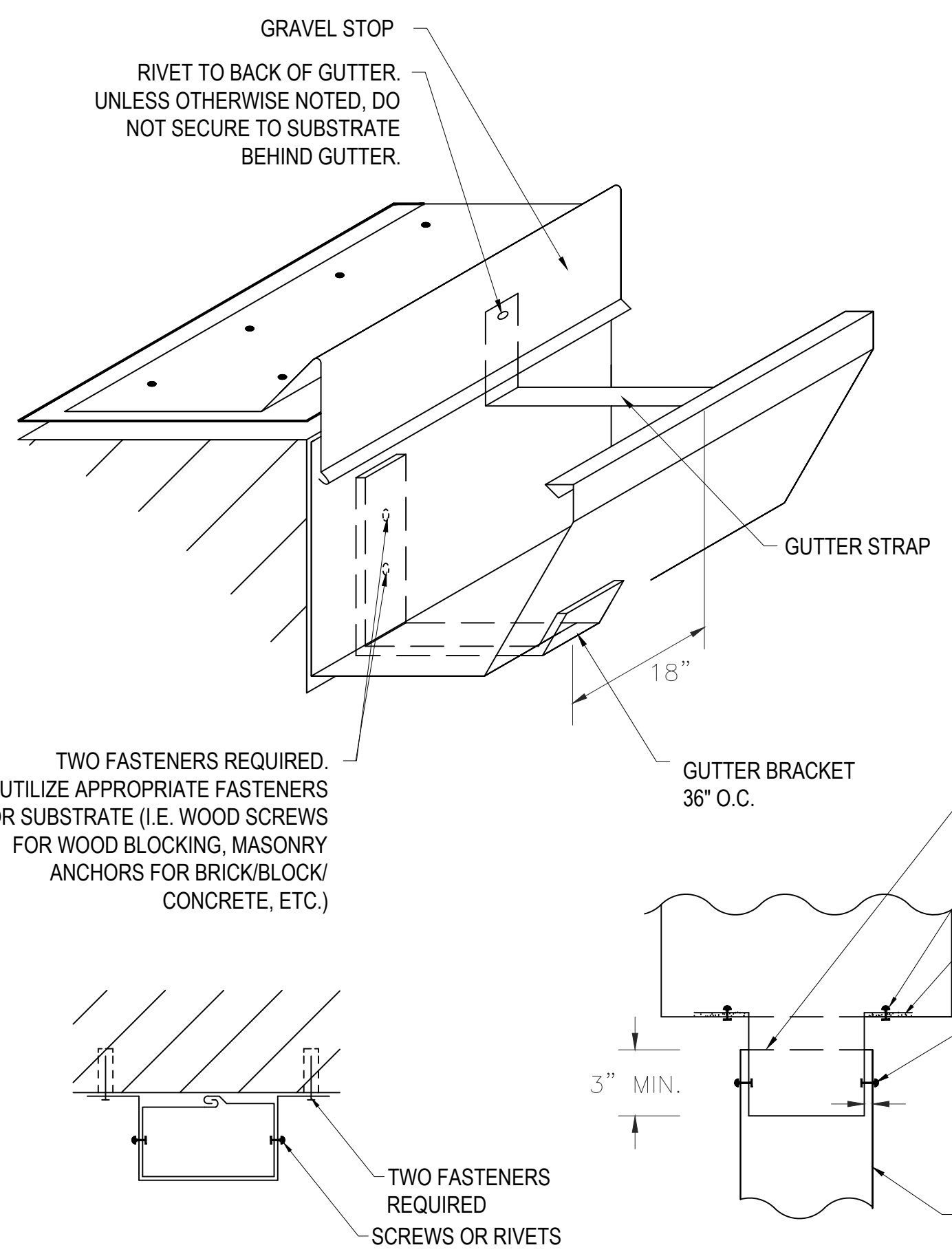
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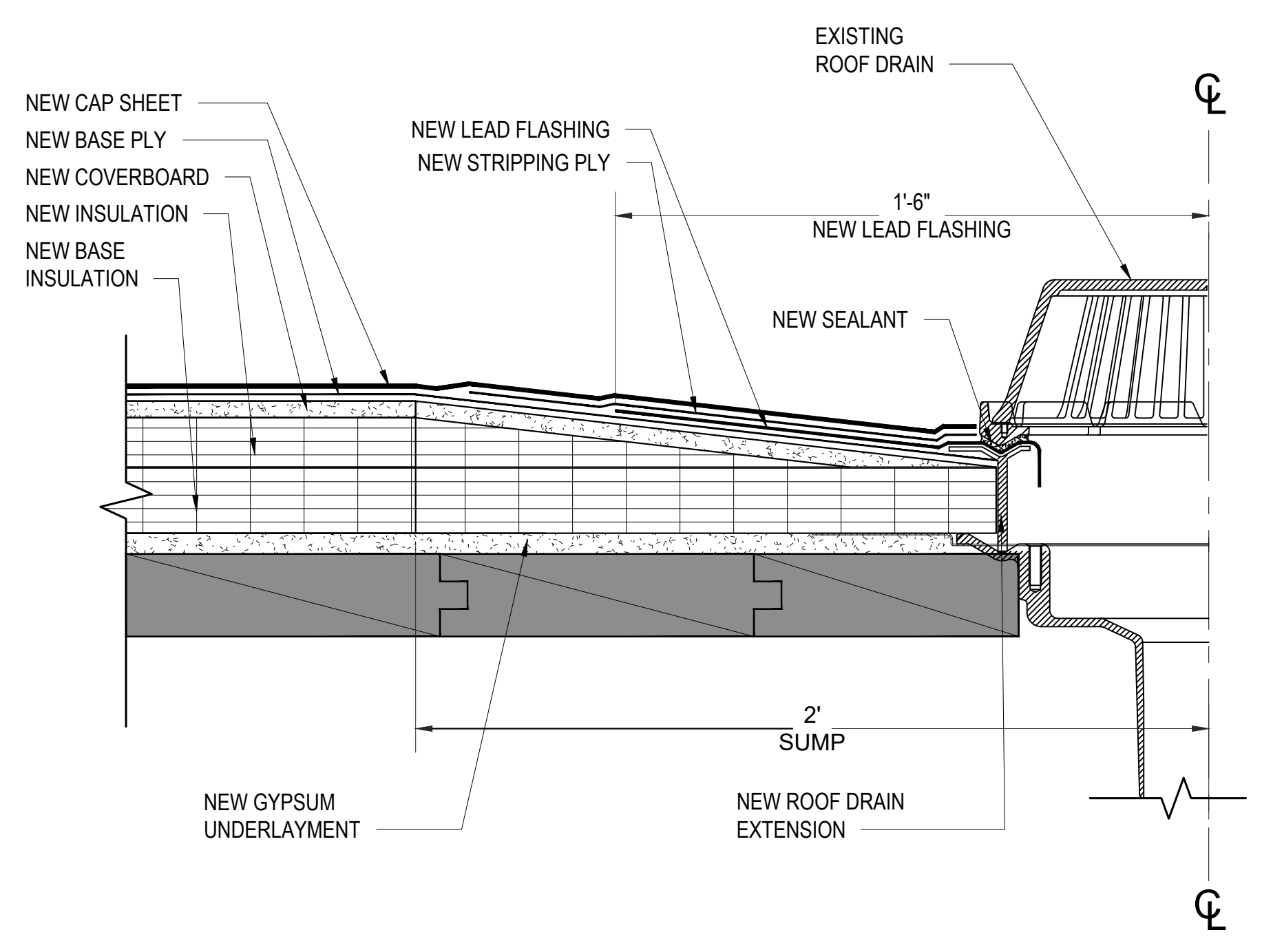
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**EXISTING
 STRUCTURAL PLAN**

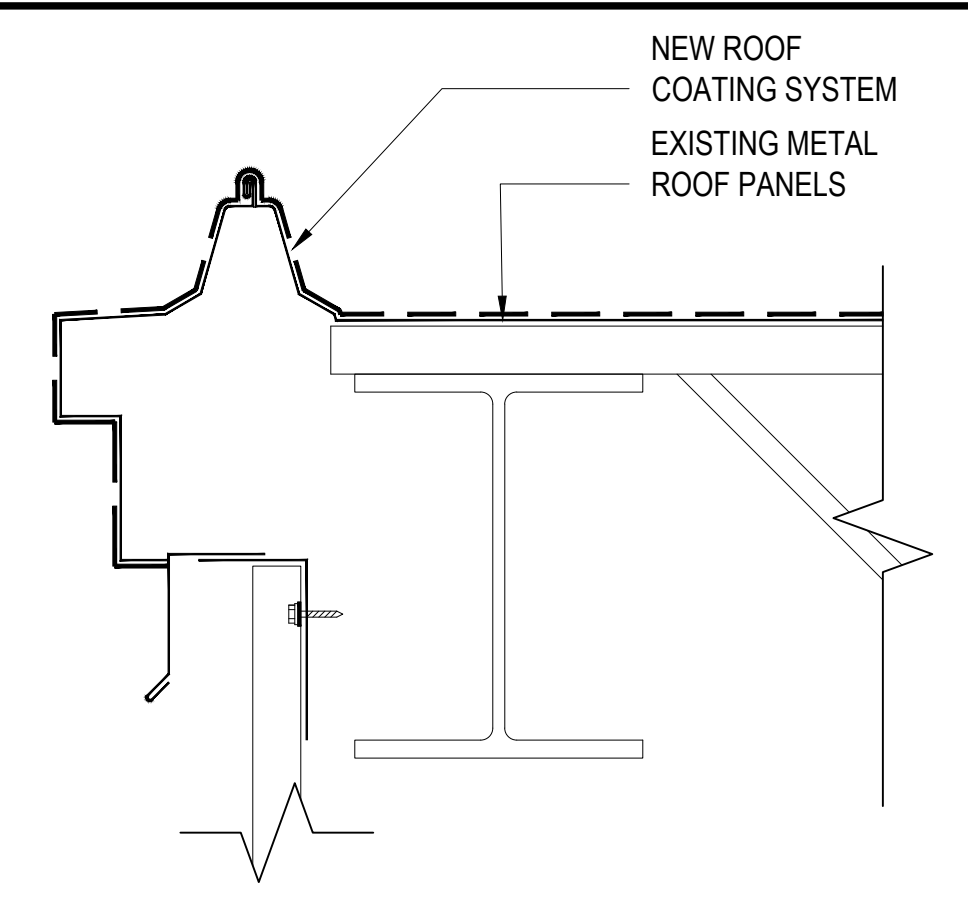
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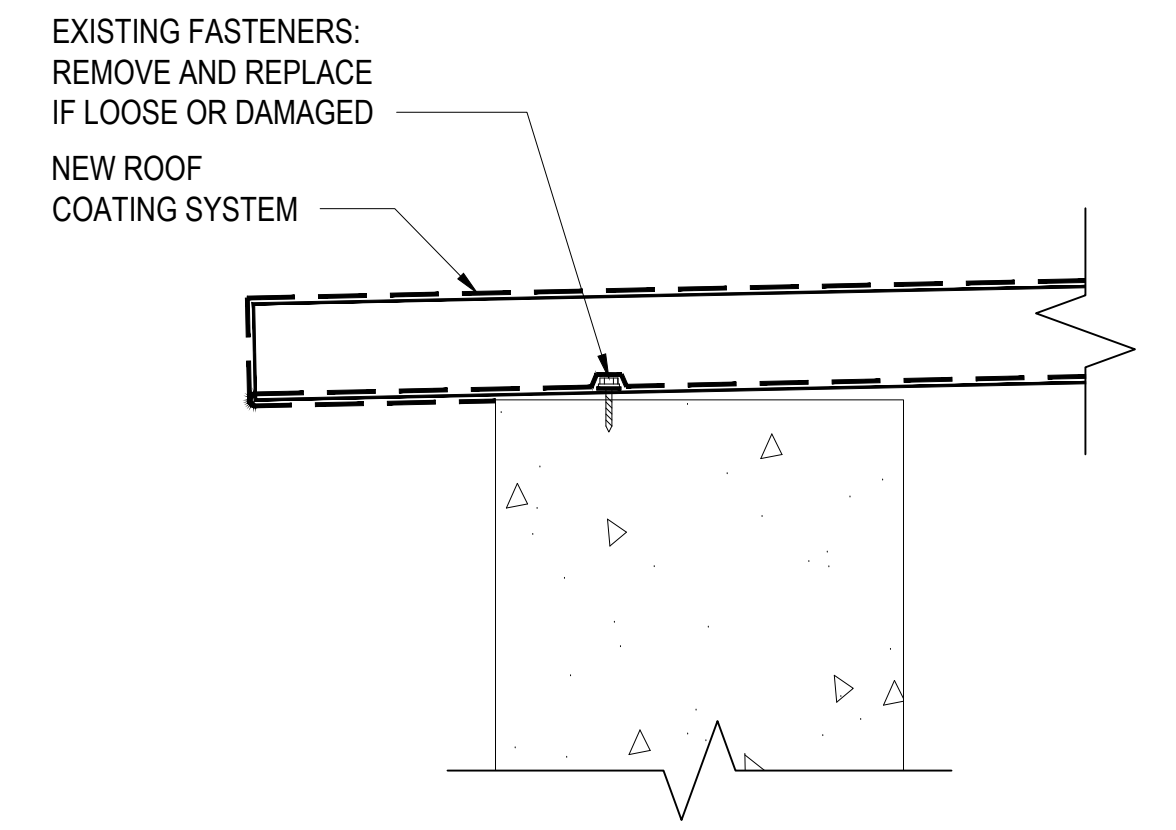
15 GUTTER EXPANSION JOINT DETAIL
NOT TO SCALE



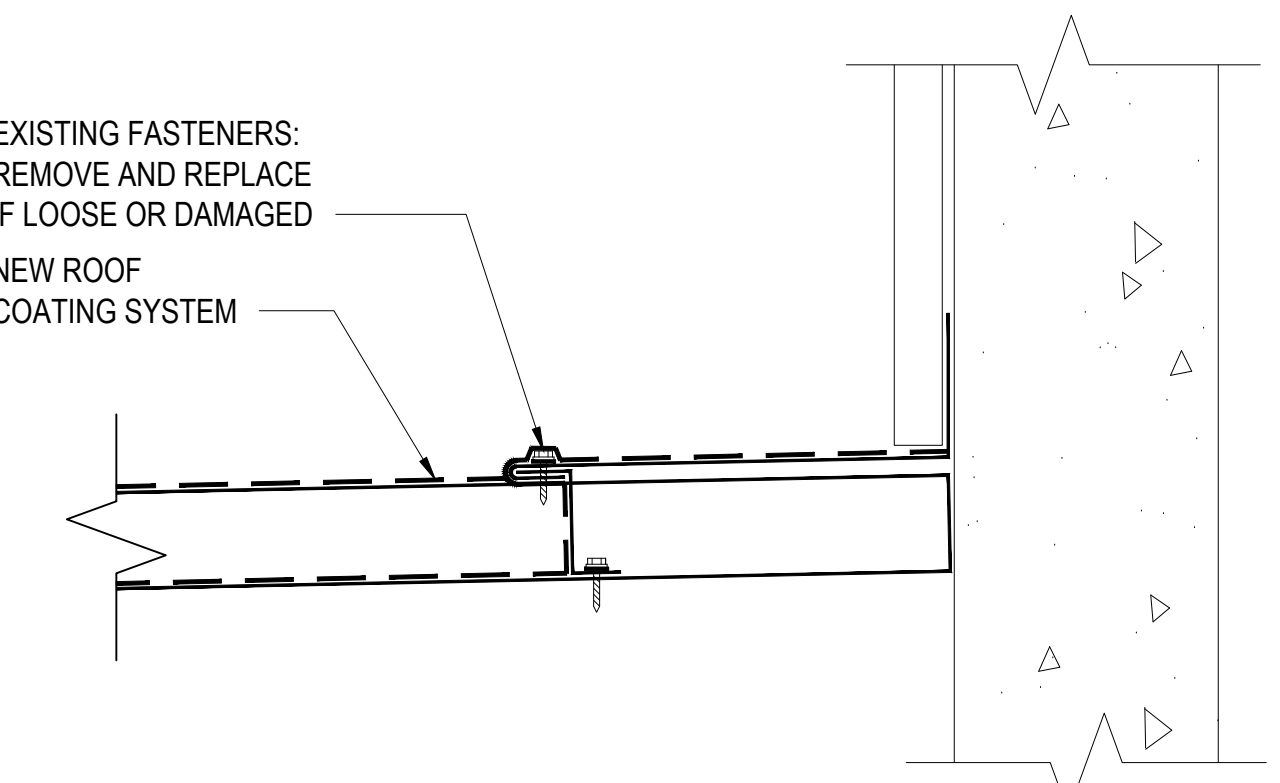
16 ROOF DRAIN DETAIL
3"=1'-0"



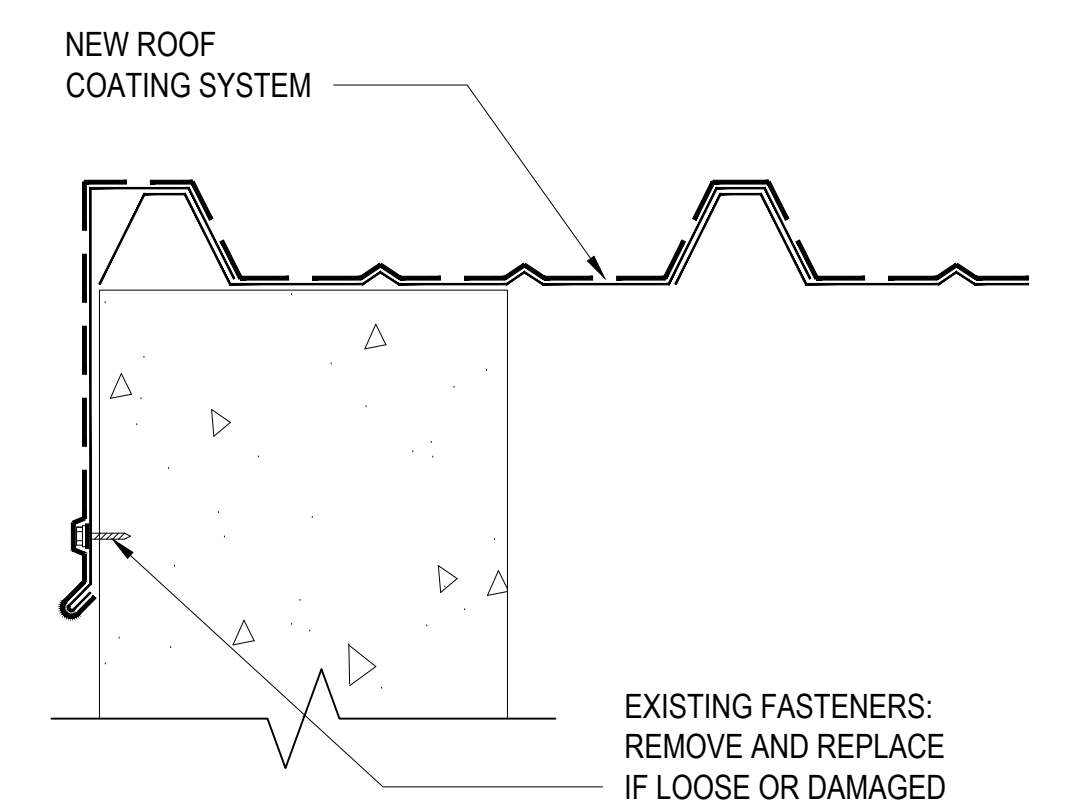
17 RAKE DETAIL
3"=1'-0"



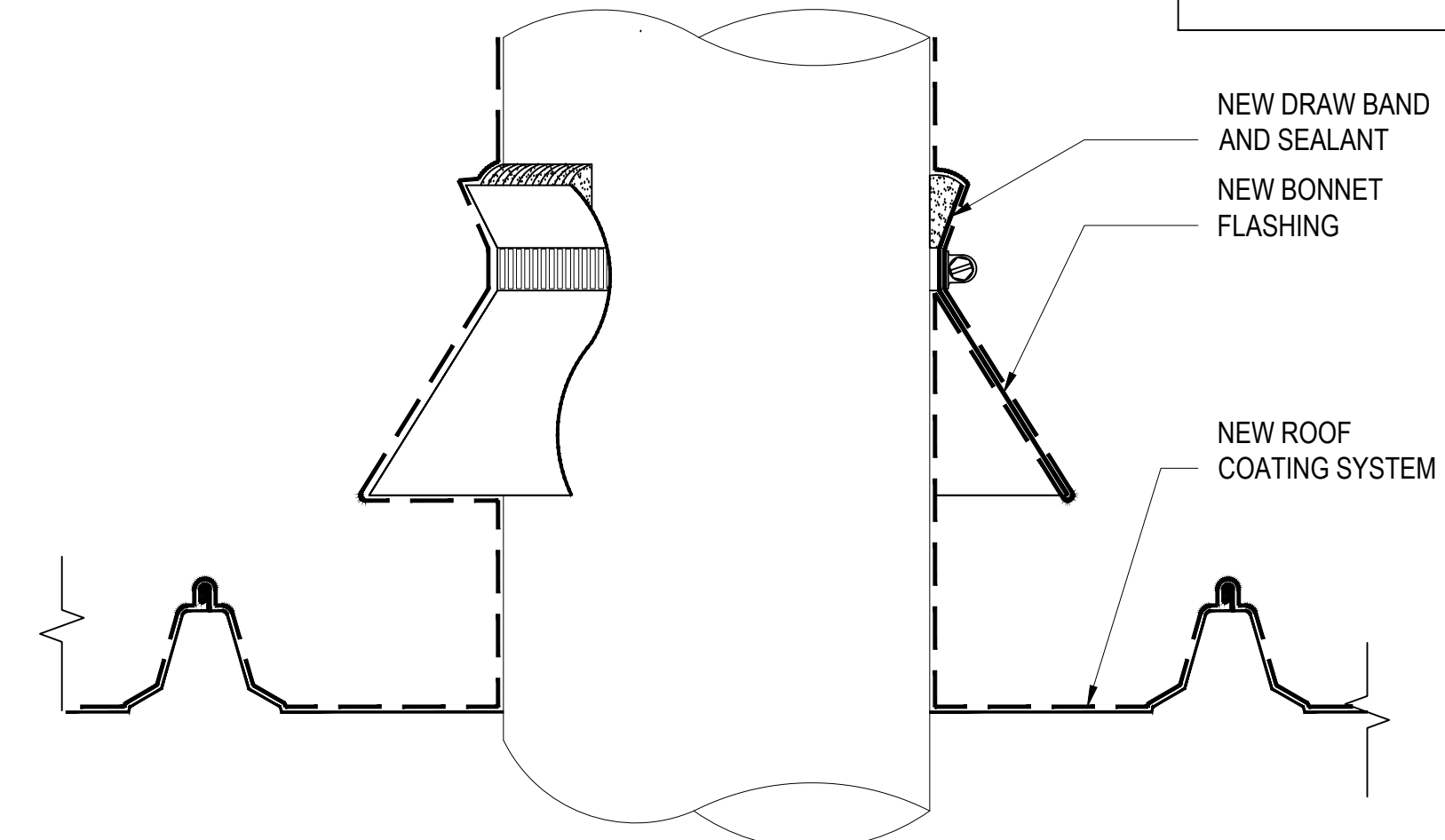
18 EAVE DETAIL
3"=1'-0"



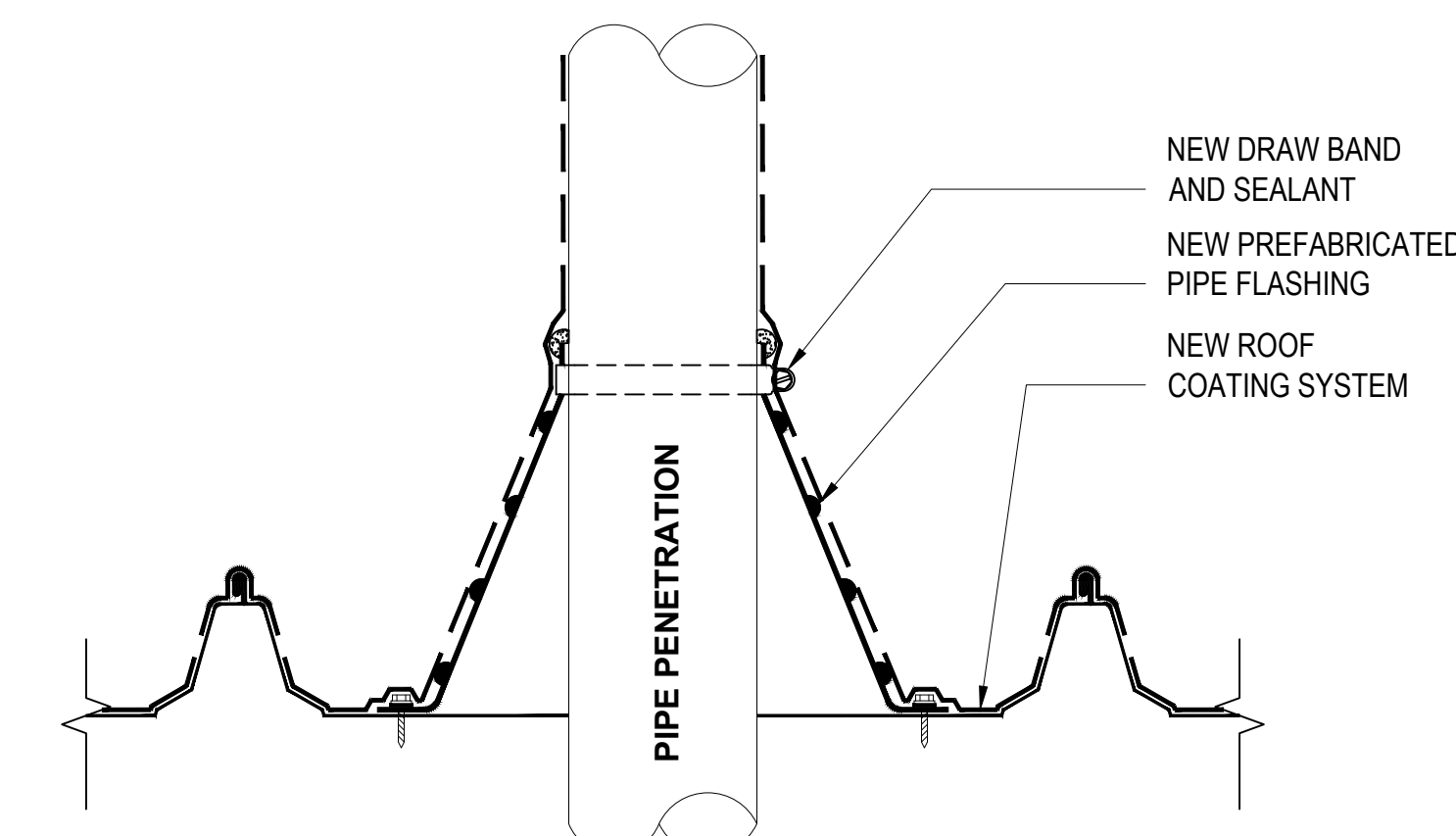
19 TRANSITION DETAIL
3"=1'-0"



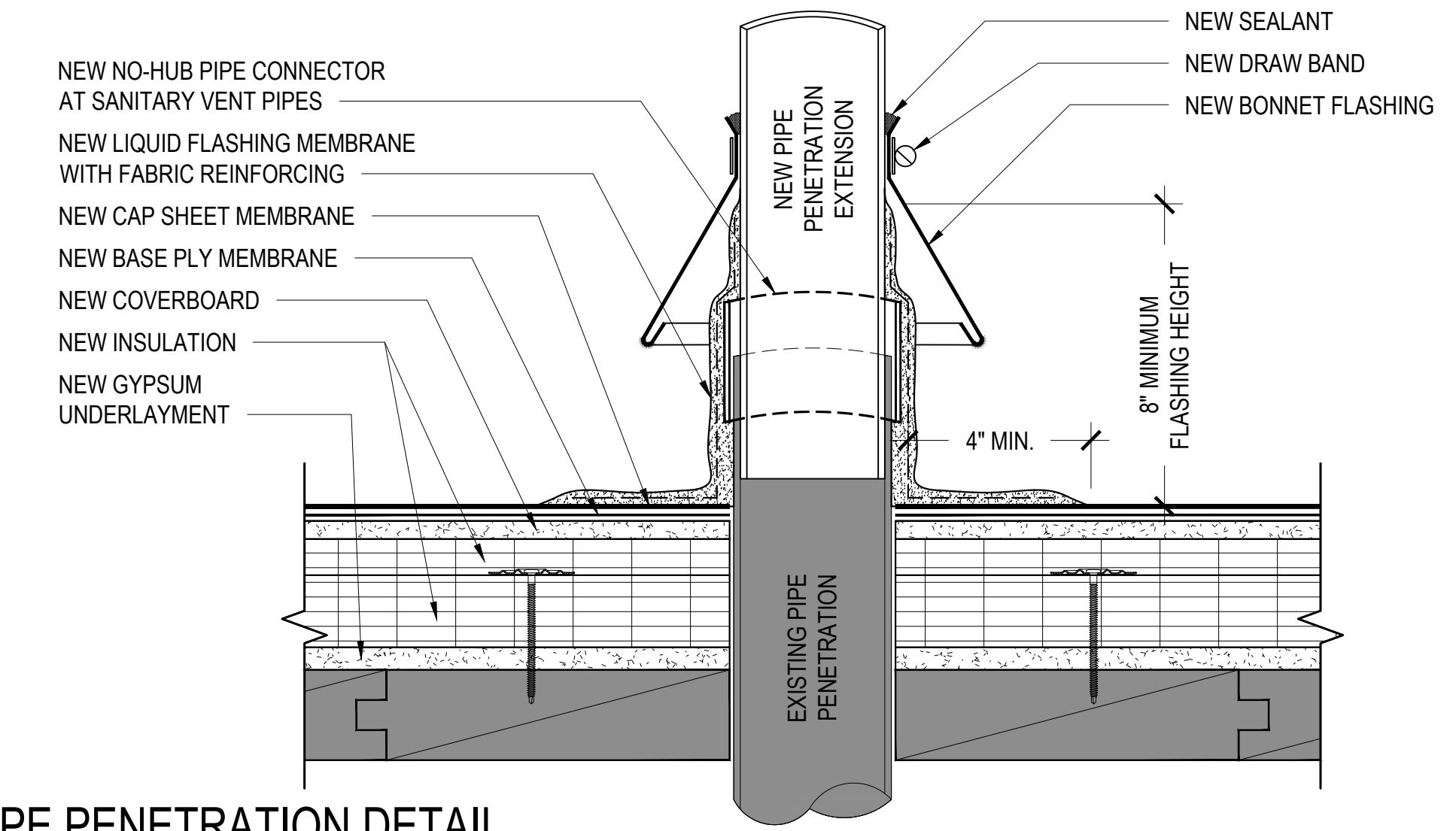
20 RAKE DETAIL
3"=1'-0"



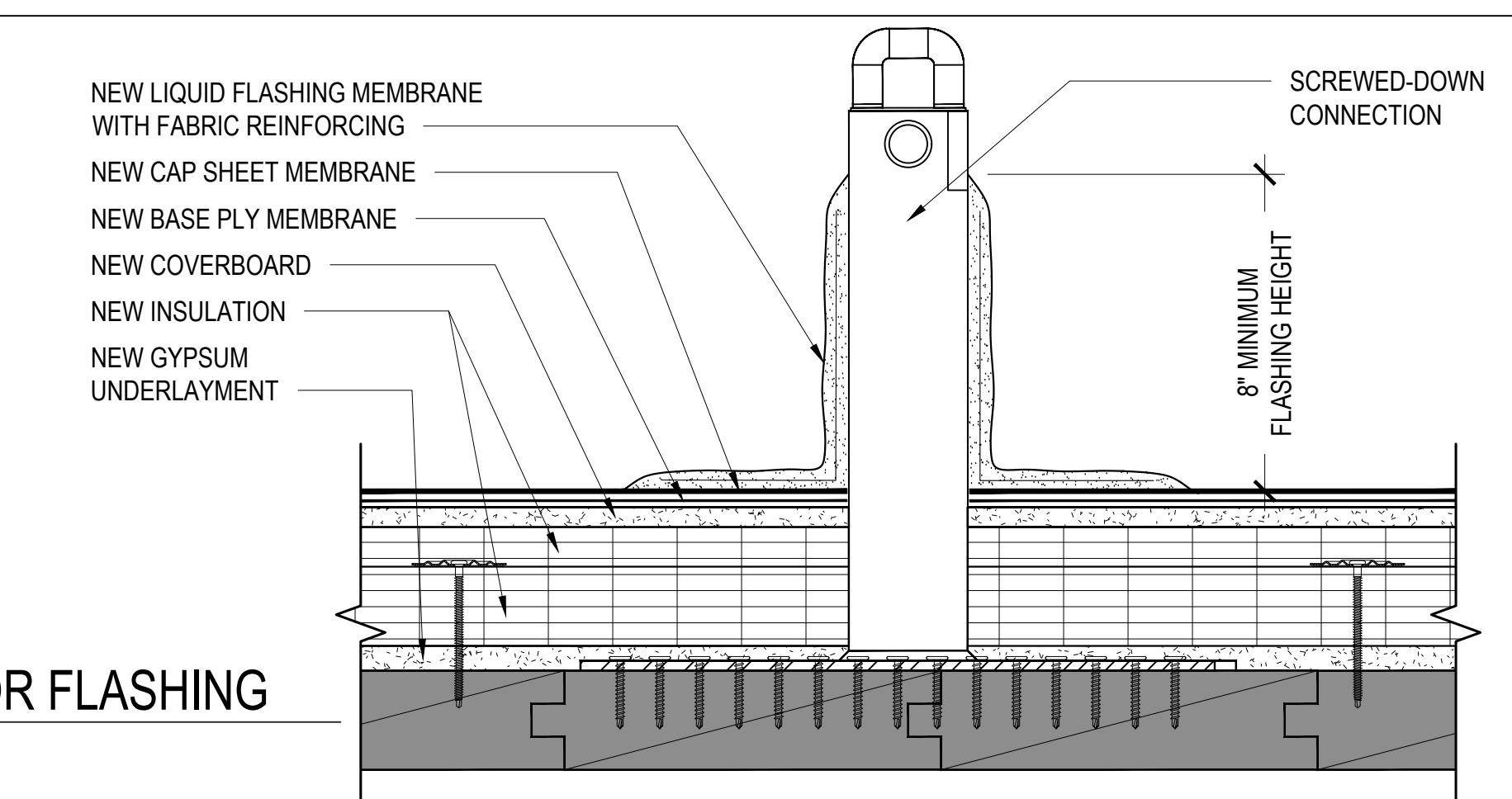
22 VENT STACK DETAIL
3"=1'-0"



21 PIPE PENETRATION DETAIL
3"=1'-0"



23 PIPE PENETRATION DETAIL
3"=1'-0"



24 ANCHOR FLASHING
3"=1'-0"

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TITLE SHEET:
ROOFING DETAILS

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A-203