



Renaissance Group

9700 Village Circle, ste.100
Lakeland, TN 38002
901.332.5533
fax: 901.332.5534
www.rgroup.biz

MSCAA

CARGO 2 BLDG REROOF & SKYLIGHT REMOVAL

CARGO ROAD,
MEMPHIS, TENNESSEE

Sheet Title
ROOF PLAN & DETAILS

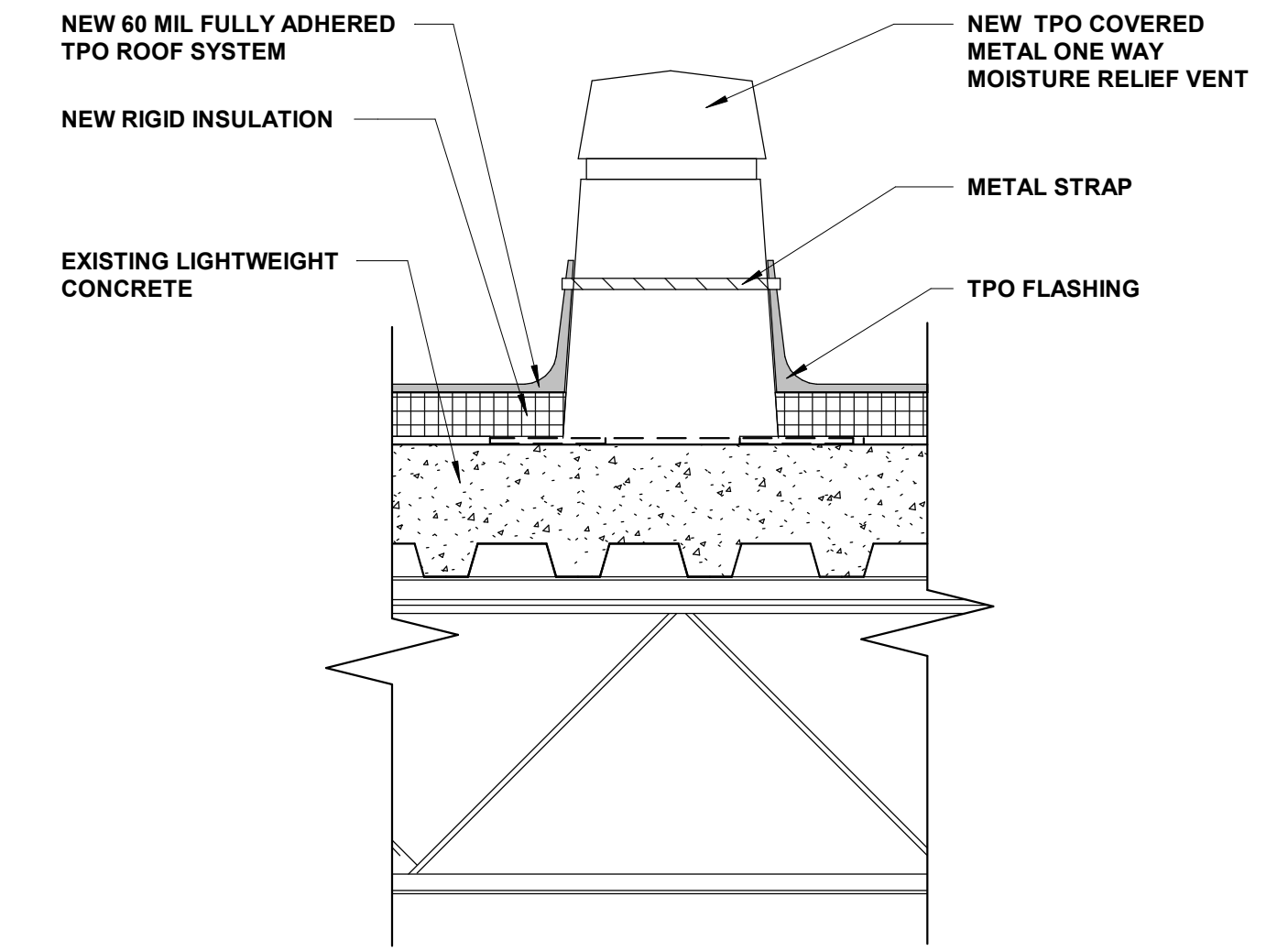
Project No.
20005-137

Drawn by
RGI

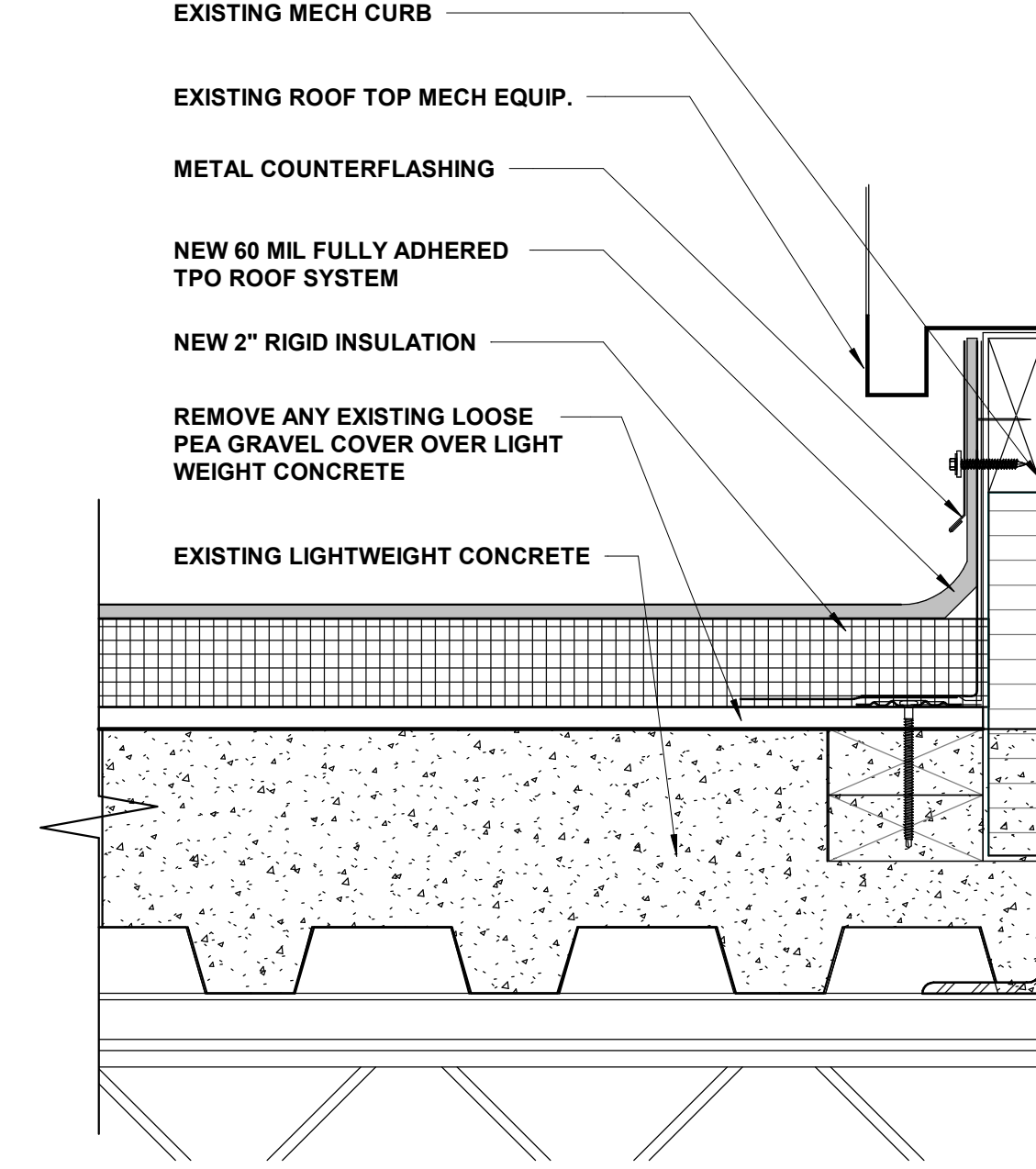
Date
10-15-2024

A2.3

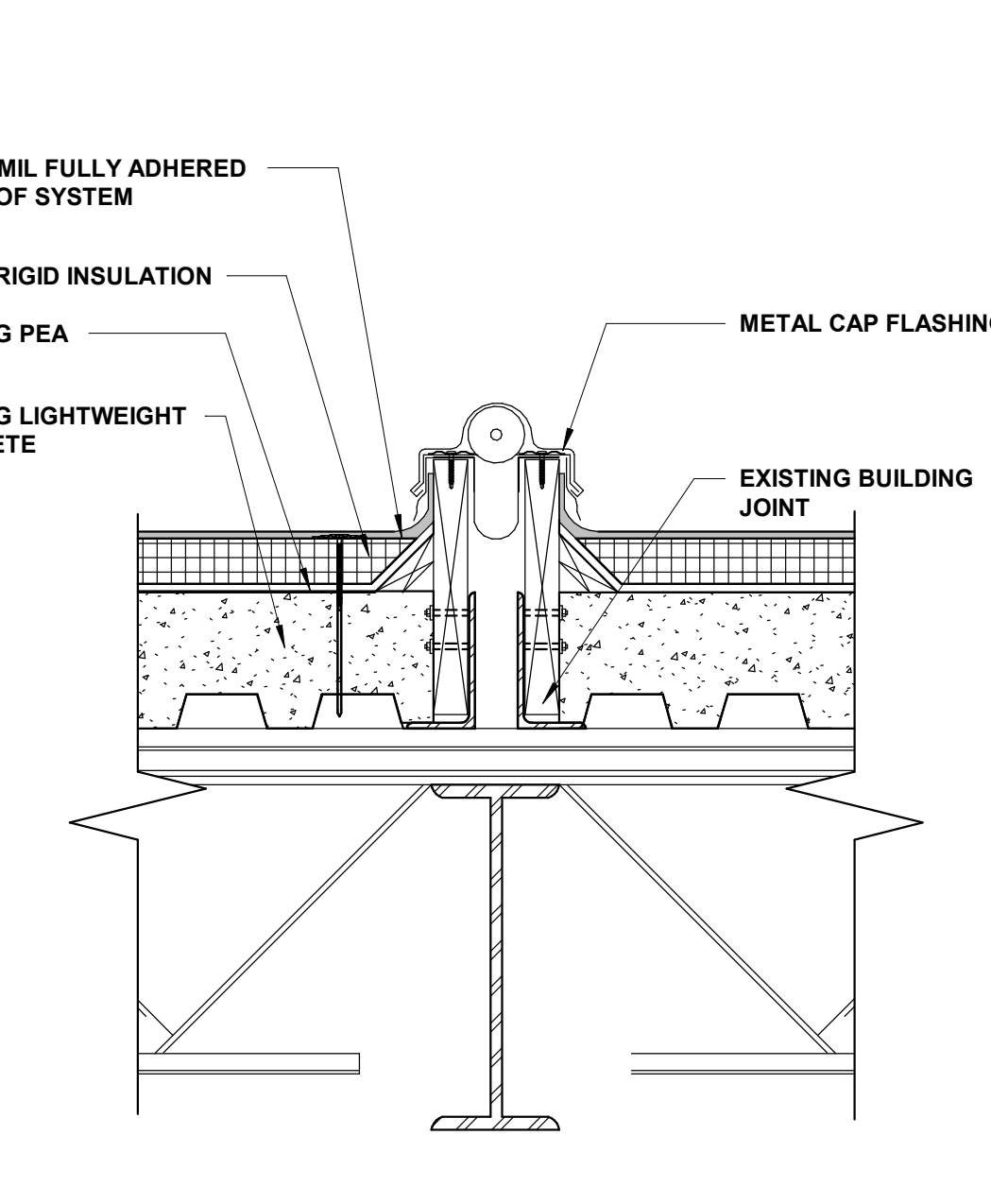
Sheet No.



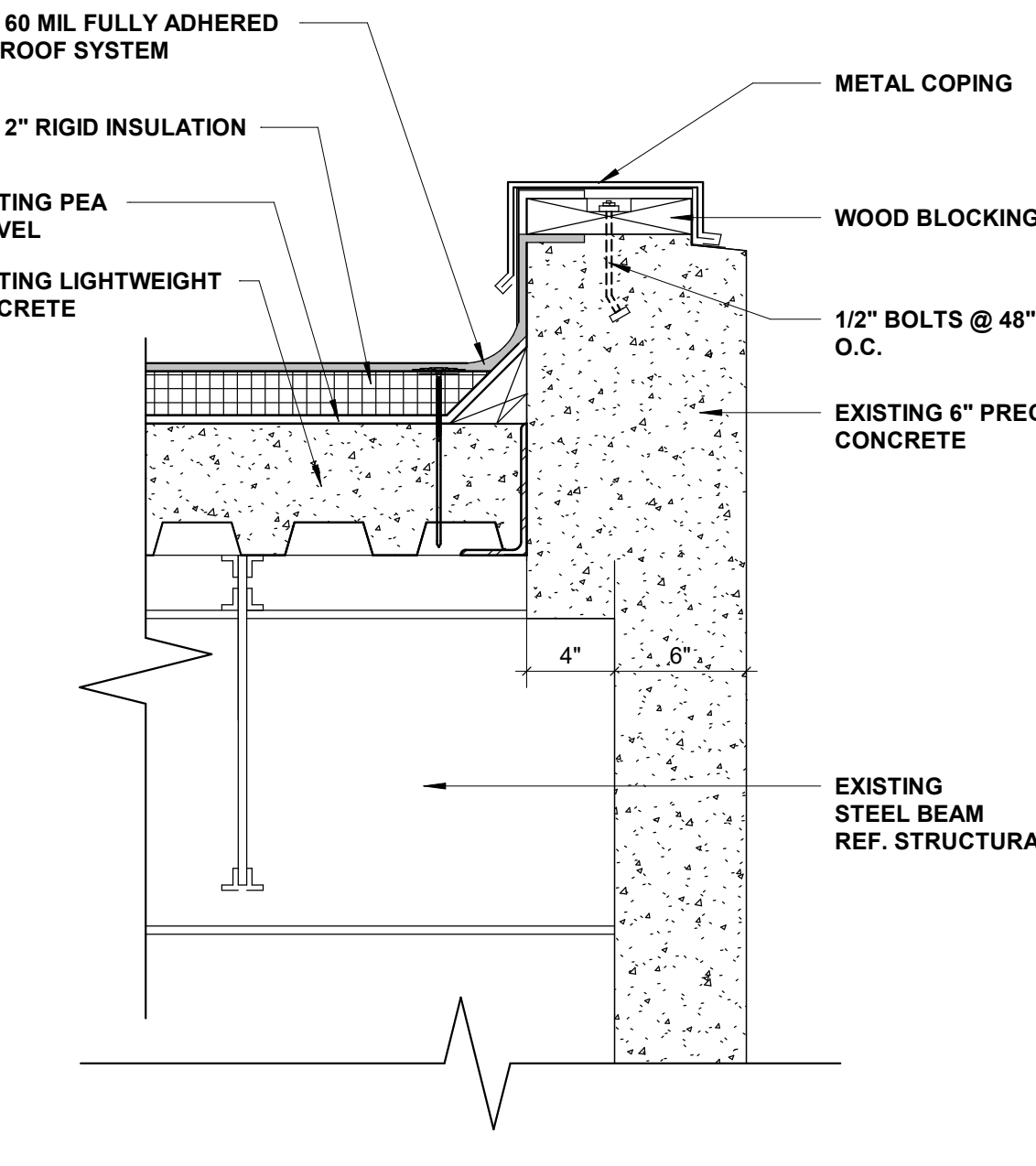
6 TYPICAL ROOF RELIEF VENT
1 1/2" = 1'-0"



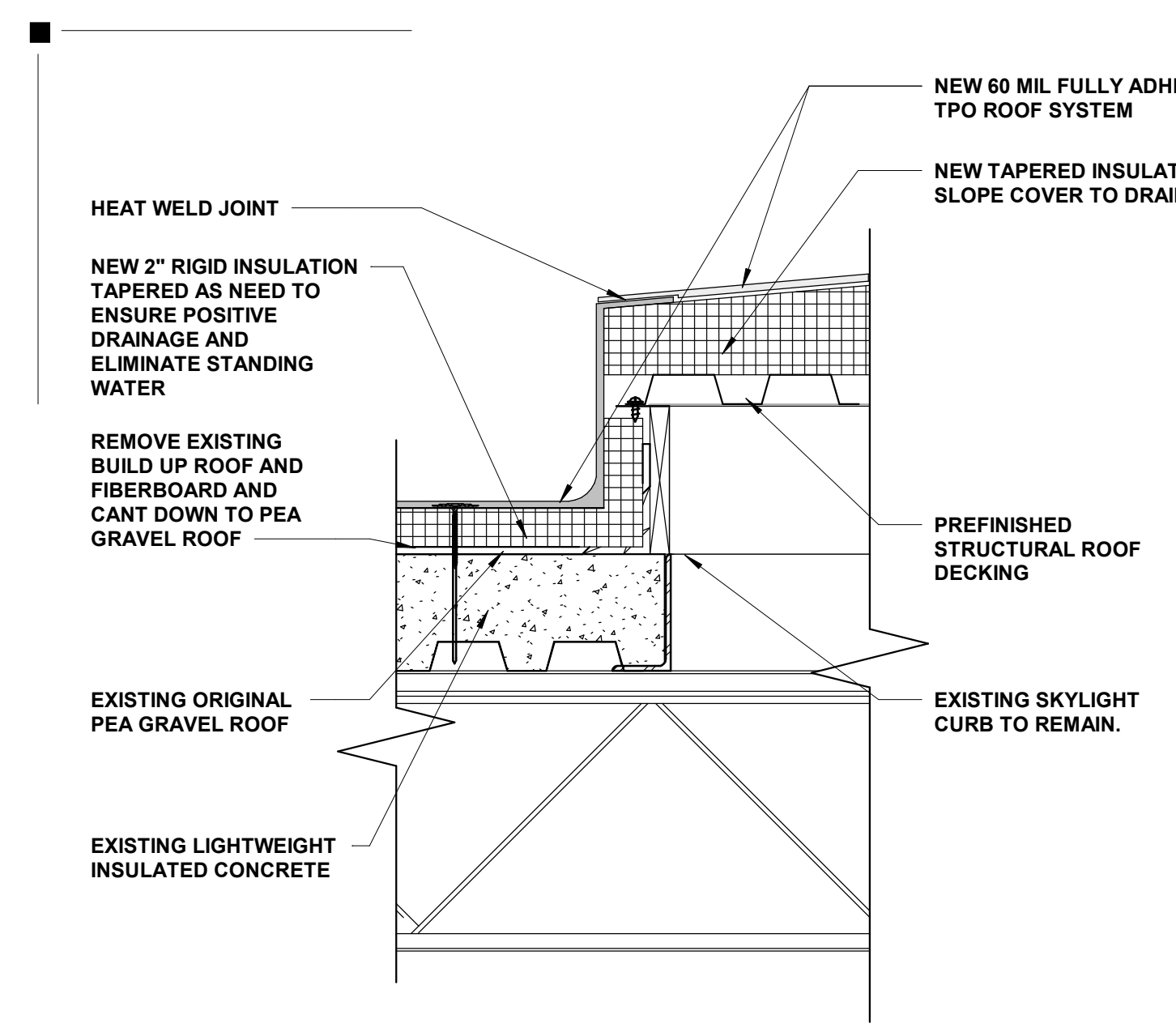
5 TYP. FLASHING DETAIL @ CURB
3" = 1'-0"



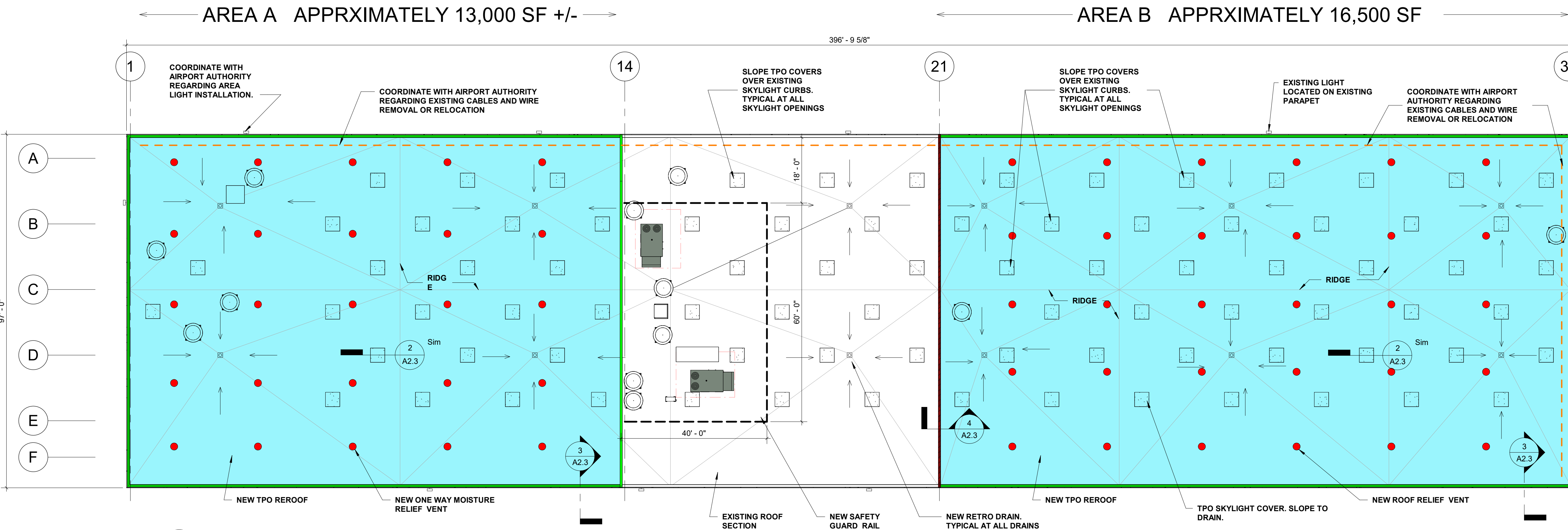
4 DETAIL @ ROOF EXPANSION JOINT
1 1/2" = 1'-0"



3 TYP. DETAIL @ ROOF EDGE
1 1/2" = 1'-0"



2 NEW COVER AT EXIST. SKYLIGHT
1 1/2" = 1'-0"



1 NEW ROOF PLAN
1/16" = 1'-0"

LEGEND

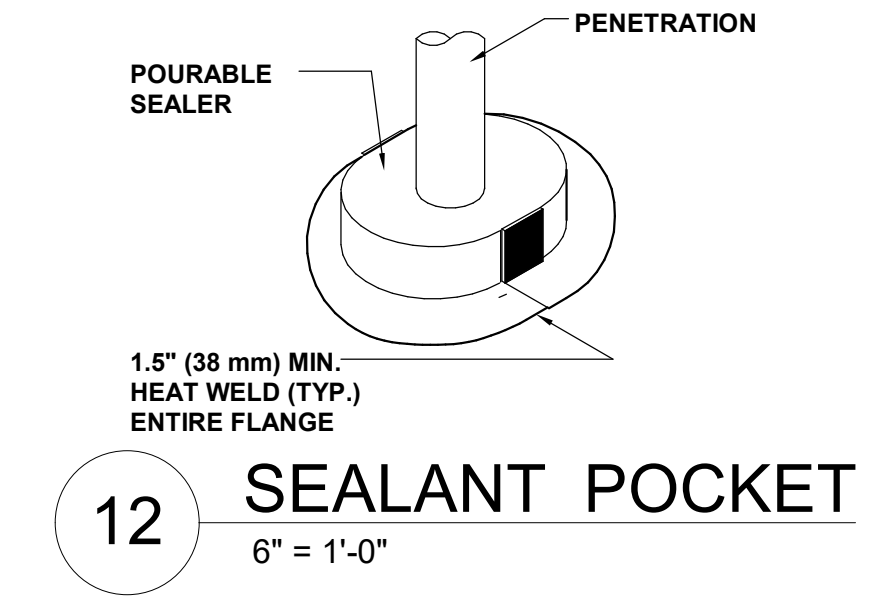
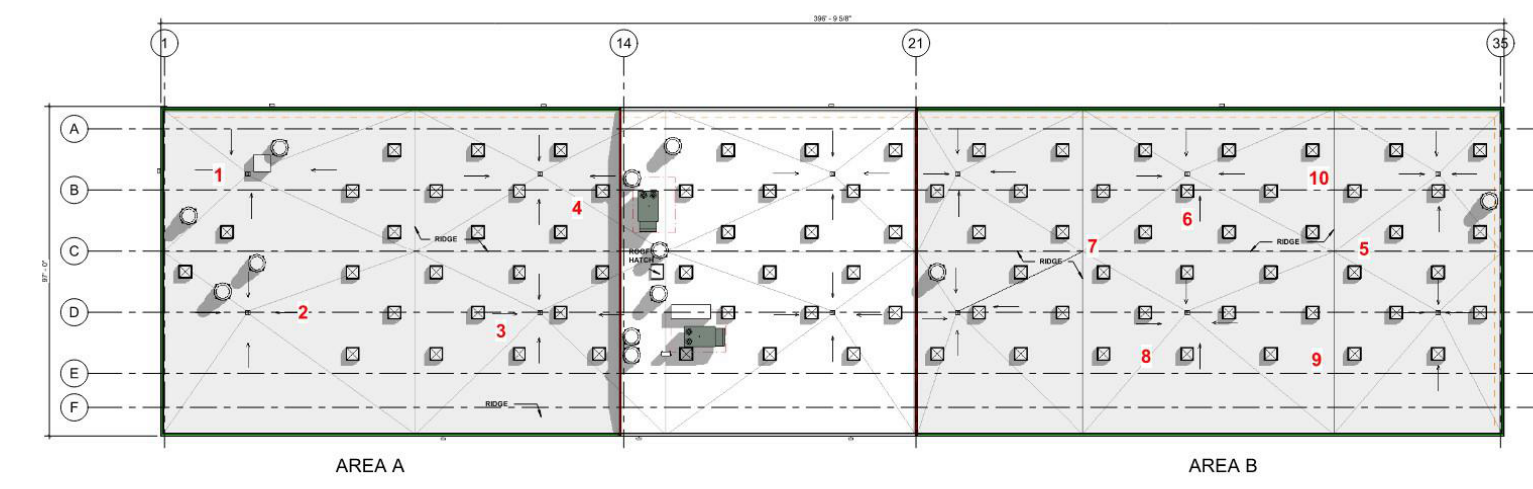
- NEW ROOF SYSTEM TO CONSIST OF 60 MIL TPO MEMBRANE FULL ADHERED TO NEW MECHANICAL ATTACHED 2" POLYISOCYANURATE RIGID INSULATION THROUGH ORIGINAL PEA GRAVEL AND LIGHTWEIGHT INSULATED CONC ROOF TO THE METAL DECK. ADD TAPER INSULATION AS NEEDED TO ENHANCE POSITIVE DRAINAGE AT AREA OF PROBLEMATIC PONDING. NEW TPO ROOFING TO BE FULLY ADHERED 60 MIL TPO MEMBRANE WITH 2-YEAR CONTRACTOR WARRANTY AND 15-YEAR NDL (NO DOLLAR LIMIT) FULL SYSTEM MANUFACTURER WARRANTY.
- NEW PREFINISHED COPING AT THE ROOF PERIMETER TO MATCH EXISTING PROFILE. REPLACE UNSUITABLE WOOD NAILER UNDER THE COPING FOR PROPER ATTACHMENT.
- NEW TPO EXPANSION JOINTS WITH BACKER RODS.
- NEW TPO COVER OVER INSULATION OVER DECKING ON EXISTING SKYLIGHT CURBS. ALL EXISTING CURB TO REMAIN. UNDERSIDE OF DECKING TO BE PREFINISHED OR PAINTED.
- ONE WAY ROOF MOISTURE RELIEF VENT

SCOPE OF REROOF WORK

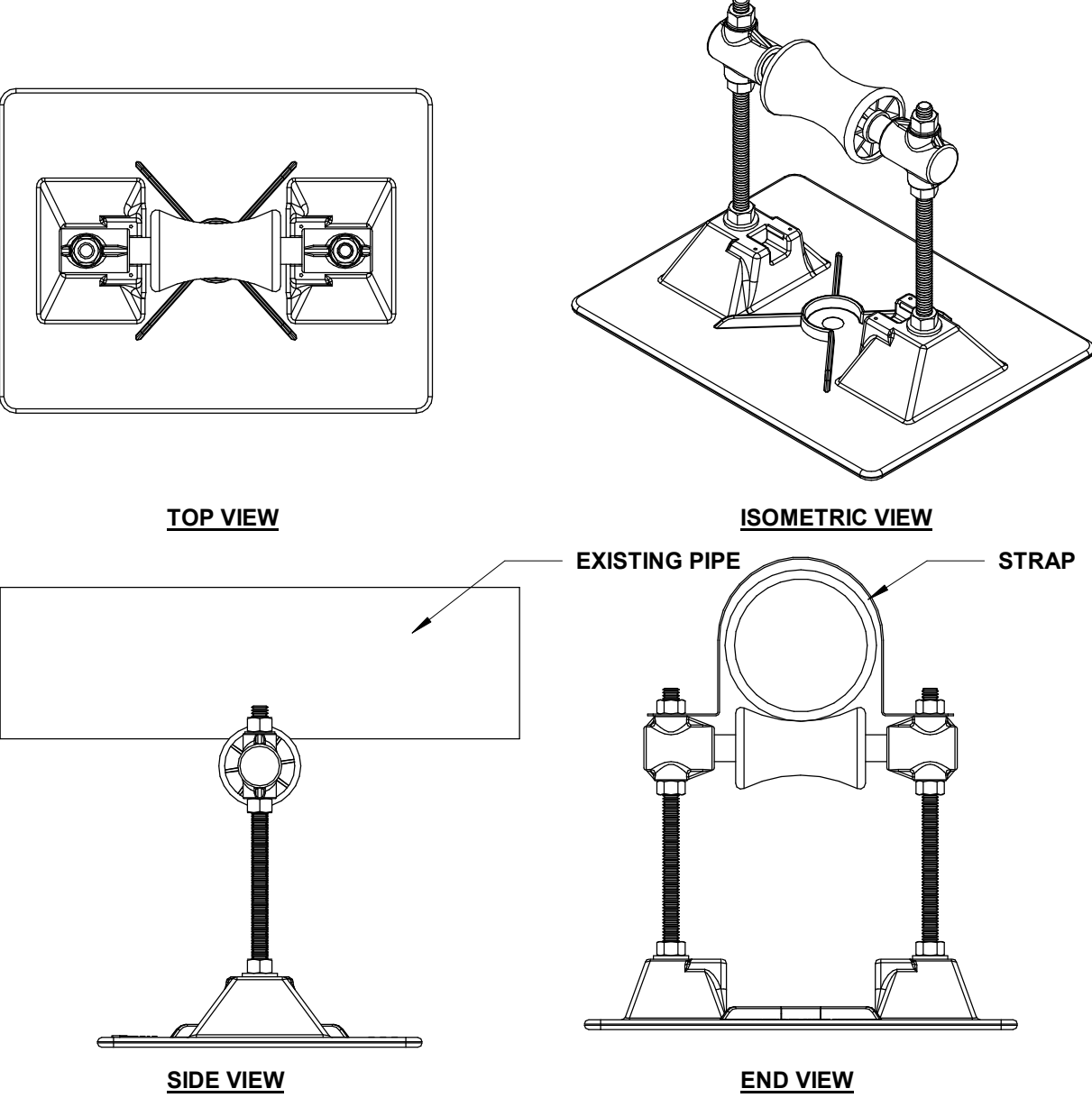
- PROVIDE AND INSTALL NEW 2" OF MECHANICALLY ATTACHED NEW POLYISOCYANURATE RIGID INSULATION. TAPERED OR SUMPED AS NEEDED FOR POSITIVE DRAINAGE. INSTALL MECHANICAL FASTENERS PER MANUFACTURER'S REQUIREMENT FOR VARIOUS ROOF CONDITIONS TO MEET WARRANTY AND LOCAL BUILDING CODE REQUIREMENT.
- PROVIDE AND INSTALL A NEW 60 MIL FULLY-ADHERED TPO ROOFING SYSTEM (GAF, CARLISLE, JOHNS MANSVILLE OR APPROVED EQUAL). INSTALL ROOF SYSTEM PER MANUFACTURER'S SPECIFICATIONS.
- PROVIDE AND INSTALL NEW SAFETY GUARDRAIL AT ROOF TOP UNIT AREA.
- INSTALL NEW METAL COPING TO MATCH EXISTING PROFILE. COLOR TO BE APPROVED BY OWNER.
- INSTALL CRICKETS AND TAPERED INSULATION AT ROOF EQUIPMENT AS NEEDED FOR POSITIVE DRAINAGE. CORRECT LOW AREA TO ELIMINATE WATER PONDING.
- PROVIDE AND INSTALL PROTECTION WALKPAD AT THE SIDE OF THE ROOF HATCH AND LADDER.
- PROVIDE MANUFACTURER APPROVED FLASHING AT ALL AFFECTED ROOF TOP PENETRATIONS AND RELIEF VENT. ALL ROOF TOP MECHANICAL EQUIPMENT AND PENETRATIONS SHALL REMAIN AS IS.
- CLEAN PREP AND REPAINT ANY EXPOSED FERROUS METAL SUCH AS RAIL AND FERROUS GAS PIPING. SAND, PRIME, AND REPAINT ALL EXISTING EXTERIOR FERROUS METAL. PROVIDE AND INSTALL MANUFACTURER APPROVED PIPE BOOTS OR FLASHING AT ALL ROOF PENETRATIONS.
- CONTRACTOR TO PROVIDE MANUFACTURER 15 YEAR NO DOLLAR LIMIT WARRANTY WITH 2 YEAR INSTALLER WORKMANSHIP WARRANTY. SUBMIT EXCLUDED WARRANTY PAPER WORK BEFORE PROJECT CLOSE OUT. NO HAIL WARRANTY IS REQUIRED. WIND SPEED FOR WARRANTY TO BE 55MPH.
- PROVIDE AND INSTALL ALL NEW ONE WAY ROOF MOISTURE RELIEF VENT ON TO ALLOW RELIEF OF EXISTING MOISTURE IN THE ROOF AREA A AND ROOF AREA B. INCREASE THE AMOUNT OF RELIEF VENT AS SHOWN TO ENHANCE DRYING OF TRAPPED MOISTURE.
- REPLACE AND INSTALL NEW ROOF DRAIN OF THE SAME SIZE.

PULL TEST RESULT @ TEN RANDOM SAMPLE LOCATIONS (FOR REFERENCE ONLY)

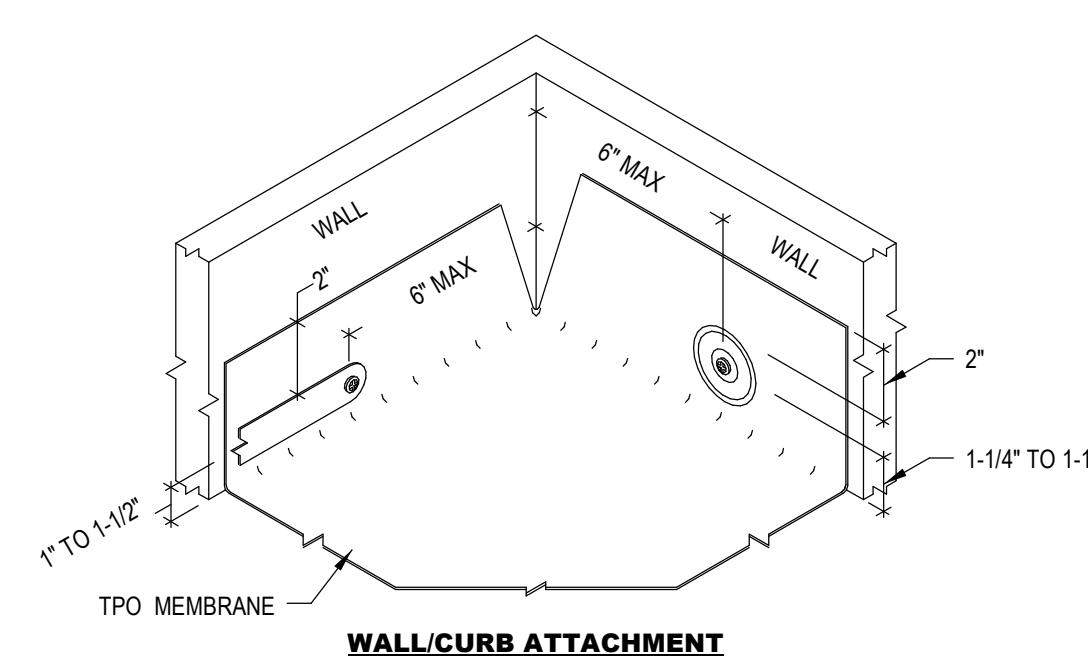
TEST LOCATION NUMBER	PULL VALUE (lbf)	FASTENER TESTED	PENETRATION (IN)	BIT DIAMETER (IN)	COMMENTS
1	392	GAF Drill-Tec Extra Heavy Duty #15	3/4"		
2	183	GAF Drill-Tec Extra Heavy Duty #15	3/4"		
3	264	GAF Drill-Tec Extra Heavy Duty #15	3/4"		
4	406	GAF Drill-Tec Extra Heavy Duty #15	3/4"		
5	382	GAF Drill-Tec Extra Heavy Duty #15	3/4"		
6	471	GAF Drill-Tec Extra Heavy Duty #15	3/4"		
7	387	GAF Drill-Tec Extra Heavy Duty #15	3/4"		
8	434	GAF Drill-Tec Extra Heavy Duty #15	3/4"		
9	376	GAF Drill-Tec Extra Heavy Duty #15	3/4"		
10	493	GAF Drill-Tec Extra Heavy Duty #15	3/4"		



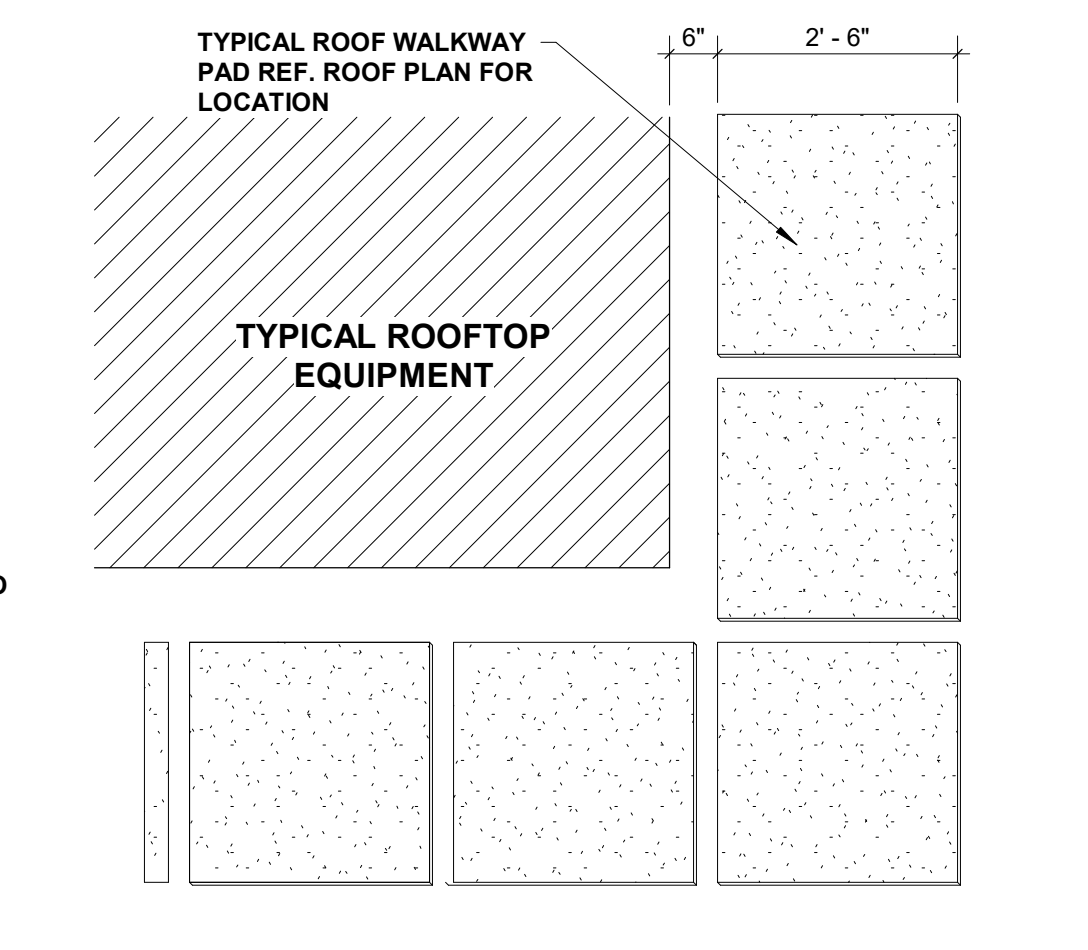
12 SEALANT POCKET
6" = 1'-0"



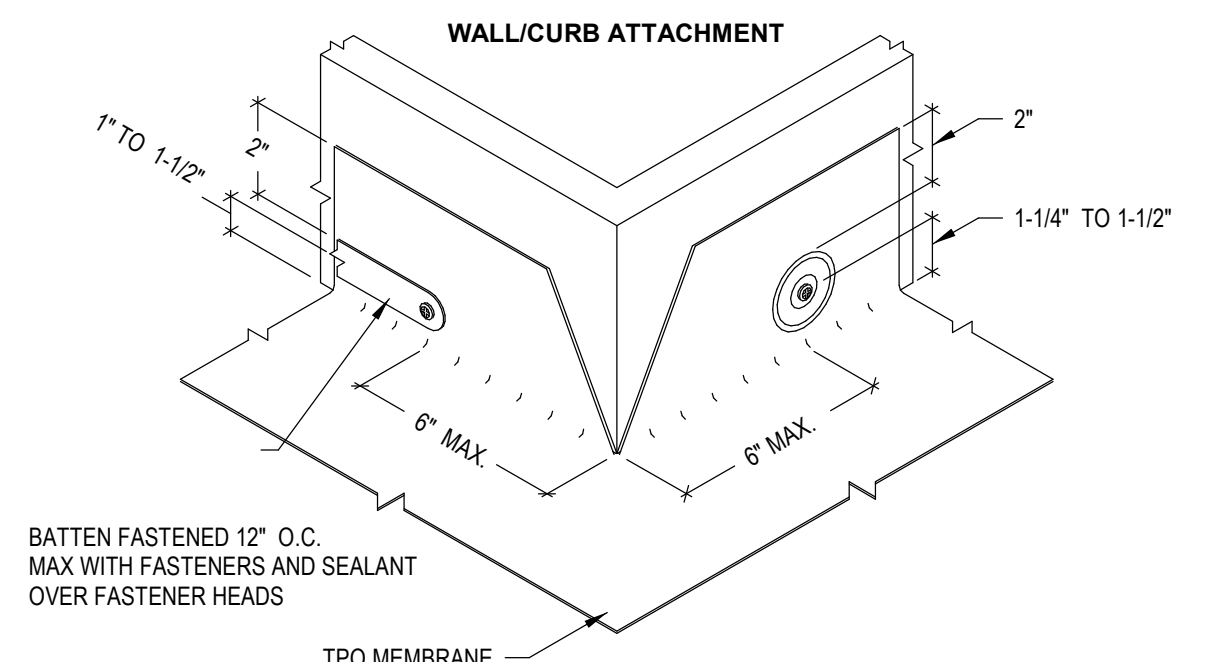
13 PIPE SUPPORT (TYP.)
3" = 1'-0"



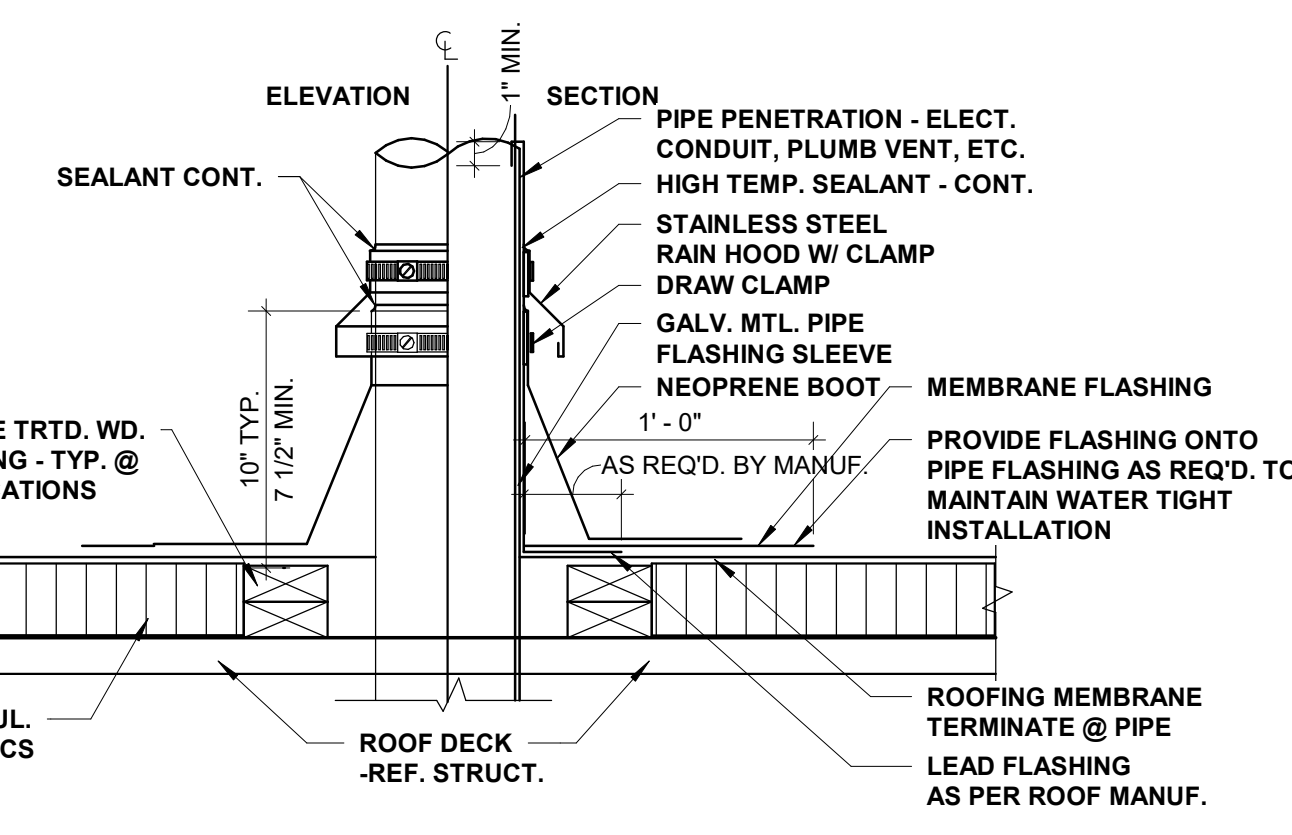
8 TPO @ INSIDE CORNER
6" = 1'-0"



10 WALKPAD DETAILS
1/2" = 1'-0"



7 TPO @ OUTSIDE CORNER
6" = 1'-0"



9 ROOF PENETRATION DETAIL
1 1/2" = 1'-0"

P:\0008-137 - MScAA - Task Order 37 Cargo 2 Building Reroof\Drawings\2008-137 - MScAA - Task Order 37 Cargo 2 Building Reroof.rvt central.rvt
10/30/2024 2:08:10 PM