APPROPRIATE TEMPERATURE  
RESISTIVE CAULK & SEALANT  
SHEET METAL RAIN COLLAR PER  
SMACNA OR NRCA FASTENED TIGHT  
AROUND PIPE WITH PIPE STRAP  
SHEET METAL FLASHING AROUND PIPE  
ABOVE ROOF MEMBRANE SECURED TO  
DECK WITH APPROPRIATE FASTENERS  
RE: SMACNA OR NRCA  
JM SINGLE PLY LVOC CAULK  
JM SINGLE PLY SEALING MASTIC  
JM TPO DETAIL MEMBRANE WRAPPED AROUND  
AND ADHERED TO METAL FLASHING WITH JM  
TPO MEMBRANE ADHESIVE 6" (203 mm) ABOVE FIELD MEMBRANE.  
SECURE AT TOP WITH S.S. CLAMP  
HEAT AND WELD ONTO DETAIL MEMBRANE  
AT BASE TO FORM A 1/2" (13 mm) MIN. TURN OUT  
MINERAL WOOL OR FIBERGLASS INSULATION  
JM TPO DETAIL MEMBRANE WITH UNDERSIZED  
HOLE CUT TO CREATE A 1" (25 mm) MIN. TURN UP  
ONTO METAL FLASHING. IF UNABLE TO INSTALL IN  
ONE PIECE, INSTALL USING TWO PIECES OVERLAPPING  
1 1/2" (28 mm) MIN. AND HEAT WELDED AT SEAMS  
JM TPO MEMBRANE ADHESIVE  
(FOR ADHERED  
SPECIFICATIONS ONLY)  
JM TPO MEMBRANE MECHANICALLY  
FASTENED OR ADHERED  
1 1/2" (38 mm)  
MIN. WELD  
CONTINUOUS  
JM INSULATION / COVER BOARD  
JM APPROVED FASTENER AND PLATE  
PENETRATION DEPENDANT ON DECK  
MATERIAL(S). SEE SPECIFICATIONS  
FOR FURTHER INFORMATION  

NOTES:  
1. REFER TO JOHNS MANVILLE WEBSITE (www.jm.com) FOR MOST UP TO DATE INFORMATION.  
2. PLEASE SEE SINGLE PLY FLASHING SPECIFICATIONS FOR A FULL DESCRIPTION OF INSTALLATION  
INSTRUCTIONS AND REQUIREMENTS WHICH ARE CONSIDERED A PART OF THIS DETAIL.  
3. ANY CARPENTRY OR METAL WORK SHOULD BE DESIGNED AND CONSTRUCTED IN ACCORDANCE WITH LOCAL  
CODE REQUIREMENTS AND/OR PROJECT SPECIFICATIONS. THESE COMPONENTS SHOULD BE REVIEWED AND  
APPROVED BY A LICENSED DESIGN PROFESSIONAL.  
4. JM TPO EDGE SEALANT IS REQUIRED ON ALL CUT OR NON ENCAPSULATED EDGES OF REINFORCED  
MEMBRANE. THIS INCLUDES FACTORY CUT MEMBRANE (SEE DETAIL T-MS-01).  
5. MAXIMUM 150 DEGREES FAHRENHEIT AT SURFACE OF OUTER SHEET METAL FLASHING.