



CUT HOLE THROUGH  
MEMBRANE AT LEAST THE  
SAME DIAMETER AS THE  
ROOF DRAIN PIPE

JM SINGLE PLY  
SEALING MASTIC

CLEAN OUT EXISTING  
DRAIN PIPE AND LEADER  
AS REQUIRED

UNDERDECK  
DRAIN CLAMP

JM TPO MEMBRANE  
ADHESIVE (FOR  
ADHERED  
SPECIFICATIONS ONLY)

DRAIN PAN  
(AS REQUIRED)

KEEP ADHESIVE  
3" (76 mm) FROM EDGE

INSULATION  
TAPERED TO DRAIN

**NOTES:**

1. REFER TO JOHNS MANVILLE WEBSITE ([www.jm.com](http://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. SUMP AREA MUST BE PROPERLY TAPERED SO THAT THE DRAIN FLASHING IS NOT INSTALLED UNDER TENSION.

DRAWING NO.

**T-DV-09I**

REPLACES TF-65-ADH

SCALE  
N.T.S

ISSUE DATE  
7-17-17

**TPO FLEECE BACKED ADHESIVE APPLIED PRIMARY DRAIN IN SUMP**

MEMBRANE TYPE:  
JM TPO

MAXIMUM GUARANTEE TERM:  
30 YEAR

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