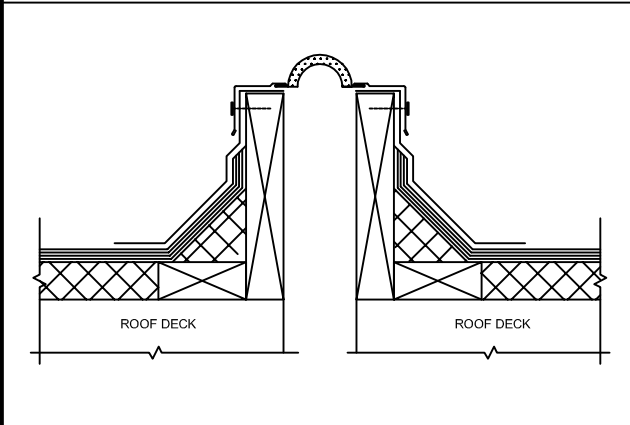
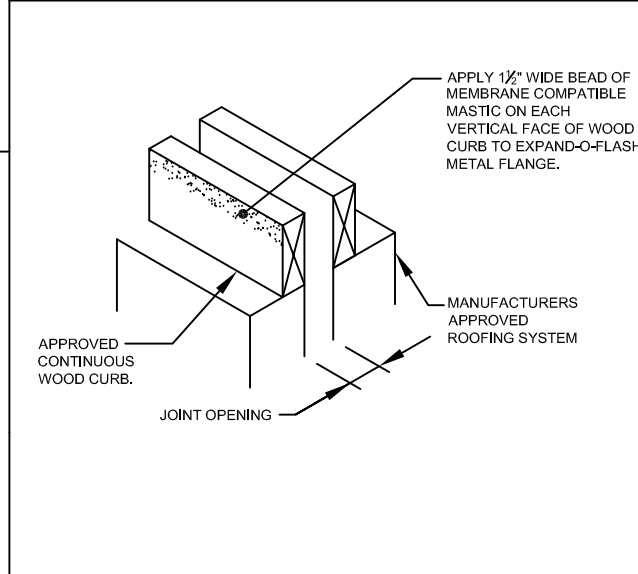
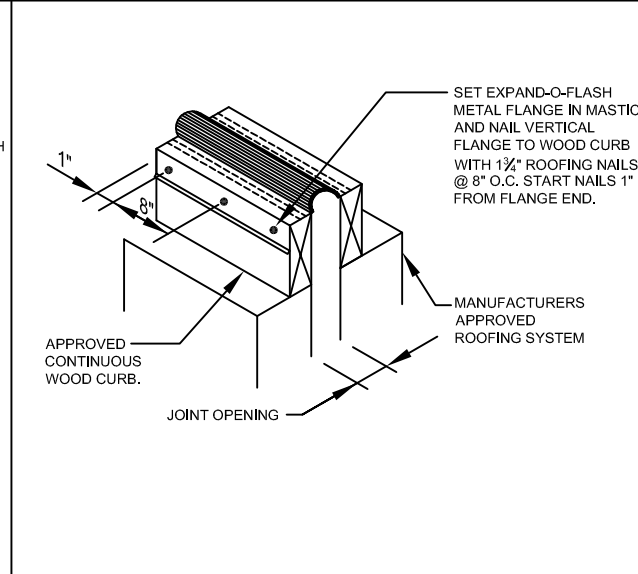
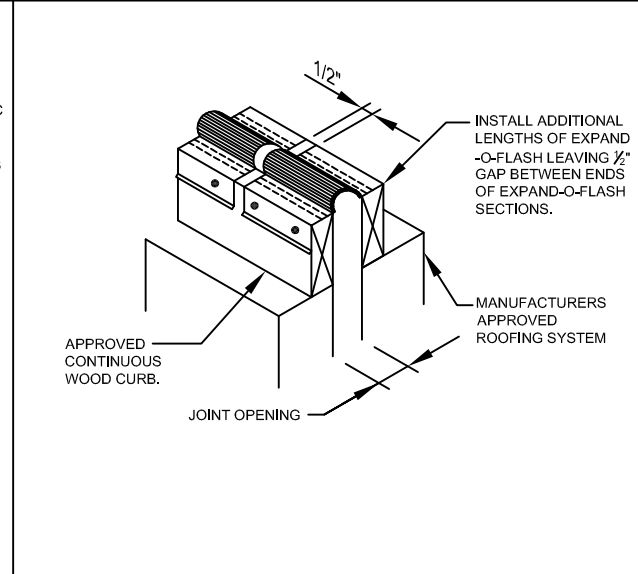
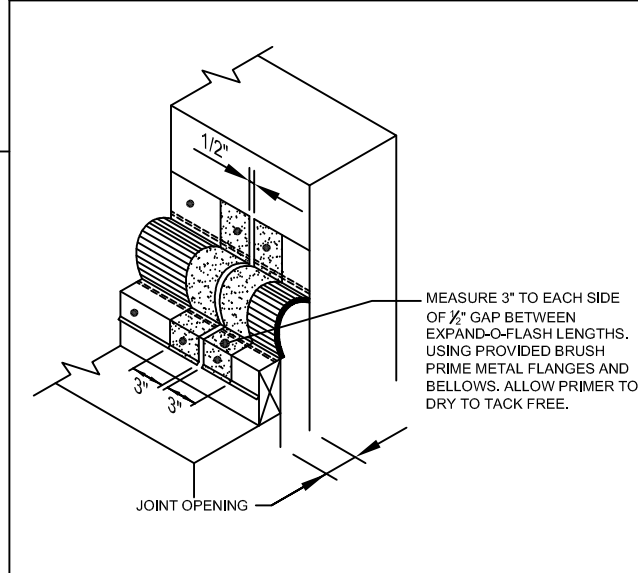
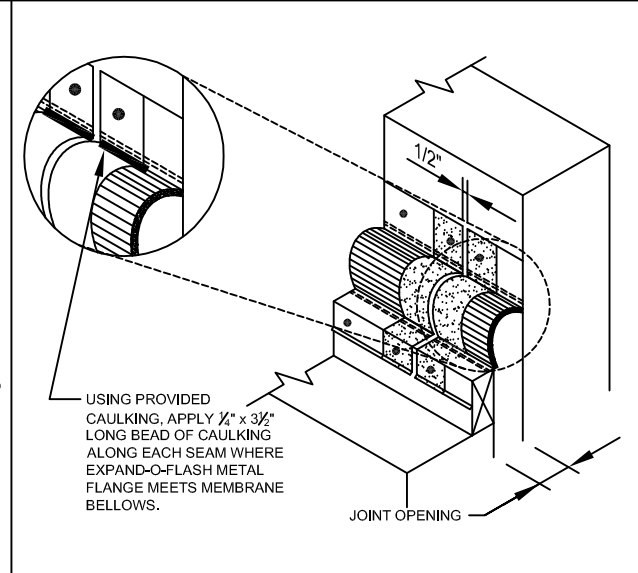
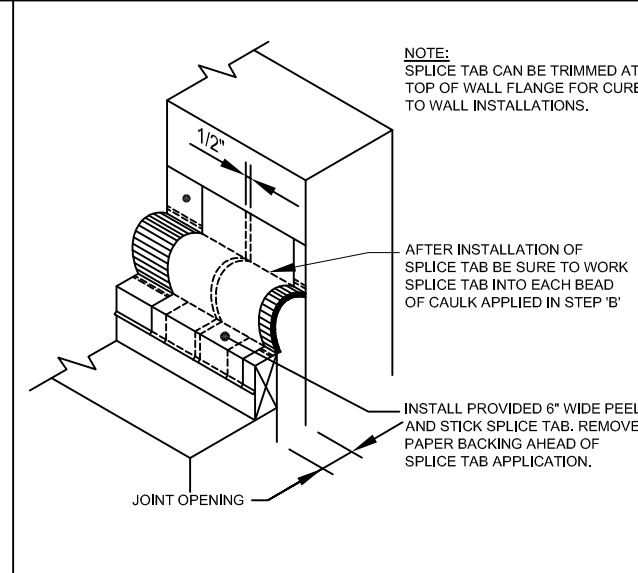
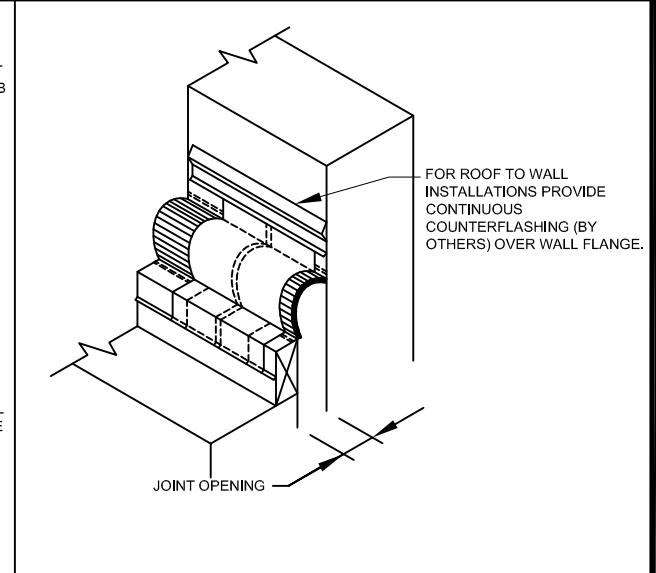

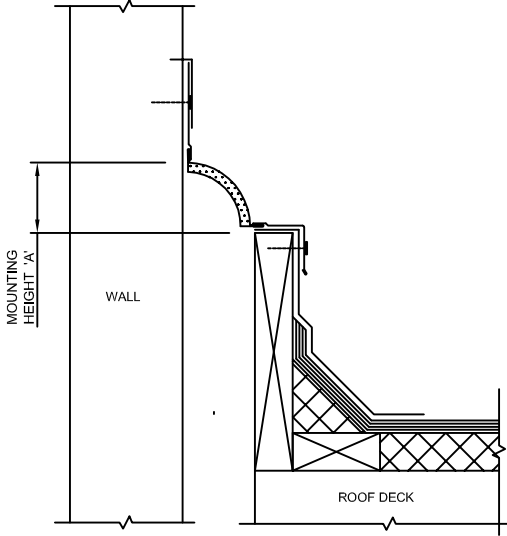


<div>EXPAND-O-FLASH CURB TO CURB FLANGE STYLE CF INSTALLATION INSTRUCTIONS</div> <div></div>		<div>STEP 1</div> <div><p>APPLY 1½" WIDE BEAD OF MEMBRANE COMPATIBLE MASTIC ON EACH VERTICAL FACE OF WOOD CURB TO EXPAND-O-FLASH METAL FLANGE.</p><p>APPROVED CONTINUOUS WOOD CURB.</p><p>MANUFACTURERS APPROVED ROOFING SYSTEM</p><p>JOINT OPENING</p></div> <div>APPLY MEMBRANE COMPATIBLE MASTIC ON HORIZONTAL SURFACE OF ROOF CURB TO RECEIVE EXPAND-O-FLASH METAL FLANGE. INSTALL ONE EXPAND-O-FLASH FLANGE AT A TIME.</div>		<div>STEP 2</div> <div><p>SET EXPAND-O-FLASH METAL FLANGE IN MASTIC AND NAIL VERTICAL FLANGE TO WOOD CURB WITH 1¼" ROOFING NAILS @ 8" O.C. START NAILS 1" FROM FLANGE END.</p><p>APPROVED CONTINUOUS WOOD CURB.</p><p>MANUFACTURERS APPROVED ROOFING SYSTEM</p><p>JOINT OPENING</p></div> <div>SET EXPAND-O-FLASH FLANGE IN MEMBRANE COMPATIBLE MASTIC AND NAIL TO VERTICAL SURFACE OF ROOF CURB W/ (1) 1¼" ROOF NAIL @ 8" O.C. START NAILS 1" FROM FLANGE END. *REPEAT STEPS 1 AND 2 AS REQUIRED BEING SURE TO PROVIDE ½" GAP BETWEEN ENDS OF EXPAND-O-FLASH SECTIONS. SEE STEP 3.</div>		<div>STEP 3</div> <div><p>INSTALL ADDITIONAL LENGTHS OF EXPAND-O-FLASH LEAVING ½" GAP BETWEEN ENDS OF EXPAND-O-FLASH SECTIONS.</p><p>APPROVED CONTINUOUS WOOD CURB.</p><p>MANUFACTURERS APPROVED ROOFING SYSTEM</p><p>JOINT OPENING</p></div> <div>REPEAT STEPS 1 AND 2 FOR REMAINING SECTIONS OF EXPAND-O-FLASH BEING SURE TO PROVIDE ½" GAP BETWEEN ENDS OF EXPAND-O-FLASH SECTIONS.</div>		
<div>EXPAND-O-FLASH SPLICING INSTALLATION INSTRUCTIONS</div> <div><div>GENERAL NOTES:</div><div><ul style="list-style-type: none"><li>THESE INSTALLATION INSTRUCTIONS REPRESENT THE CORRECT INSTALLATION PROCEDURE FOR A 6" WIDE SPLICE TAB WHICH IS INCLUDED FOR BELLOWS SIZES 4" THRU 12". THE DIMENSIONS INDICATED IN THESE INSTRUCTIONS MUST BE ADJUSTED ACCORDINGLY FOR BELLOWS SIZES LARGER THAN 12" WHICH WILL INCLUDE A 9" WIDE SPLICE TAB.</li></ul></div><div>ADDENDUM NOTE FOR NEOPRENE AND WHITE EPDM EXPAND-O-FLASH PRODUCTS: AFTER APPLIED PRIMER HAS DRIED COMPLETELY, APPLY JOHNS MANVILLE EXPAND-O-FLASH CONTACT ADHESIVE AND ALLOW IT TO DRY TO A TACK FREE CONDITION. CONTINUE TO STEP B.</div></div>		<div>STEP 'A'</div> <div><p>MEASURE 3" TO EACH SIDE OF ½" GAP BETWEEN EXPAND-O-FLASH LENGTHS. USING PROVIDED BRUSH PRIME METAL FLANGES AND BELLOWS. ALLOW PRIMER TO DRY TO TACK FREE.</p><p>JOINT OPENING</p></div> <div>MEASURE 3" TO EACH SIDE OF ½" GAP BETWEEN EXPAND-O-FLASH LENGTHS. USING PROVIDED BRUSH PRIME METAL FLANGES AND BELLOWS. ALLOW PRIMER TO DRY TO TACK FREE. TYPICAL @ EACH SPLICE LOCATION.</div> <div>**SEE ADDENDUM NOTE AT LEFT FOR NEOPRENE AND WHITE EPDM EXPAND-O-FLASH PRODUCTS.</div>		<div>STEP 'B'</div> <div><p>USING PROVIDED CAULKING, APPLY ¼" x 3½" LONG BEAD OF CAULKING ALONG EACH SEAM WHERE EXPAND-O-FLASH METAL FLANGE MEETS MEMBRANE BELLOWS.</p><p>JOINT OPENING</p></div> <div>USING PROVIDED CAULKING, APPLY ¼" x 3½" LONG BEAD OF CAULKING ALONG EACH SEAM WHERE EXPAND-O-FLASH METAL FLANGE MEETS MEMBRANE BELLOWS. TYPICAL @ EACH SPLICE LOCATION.</div>		<div>STEP 'C'</div> <div><p>NOTE: SPLICE TAB CAN BE TRIMMED AT TOP OF WALL FLANGE FOR CURB TO WALL INSTALLATIONS.</p><p>AFTER INSTALLATION OF SPLICE TAB BE SURE TO WORK SPLICE TAB INTO EACH BEAD OF CAULK APPLIED IN STEP 'B'</p><p>INSTALL PROVIDED 6" WIDE PEEL AND STICK SPLICE TAB. REMOVE PAPER BACKING AHEAD OF SPLICE TAB APPLICATION.</p><p>JOINT OPENING</p></div> <div>INSTALL PROVIDED 6" WIDE PEEL AND STICK SPLICE TAB. REMOVE PAPER BACKING AHEAD OF SPLICE TAB APPLICATION. AFTER INSTALLATION OF SPLICE TAB BE SURE TO WORK SPLICE TAB INTO EACH BEAD OF CAULK APPLIED IN STEP 'B'</div>		<div>STEP 'D'</div> <div><p>FOR ROOF TO WALL INSTALLATIONS PROVIDE CONTINUOUS COUNTERFLASHING (BY OTHERS) OVER WALL FLANGE.</p><p>JOINT OPENING</p></div> <div>FOR ROOF TO WALL INSTALLATIONS PROVIDE CONTINUOUS COUNTERFLASHING (BY OTHERS) OVER WALL FLANGE.</div>
<div>INSTALLATION INSTRUCTION NOTES:</div> <div><ul style="list-style-type: none"><li>INSTALL ALL FACTORY FABRICATED INTERSECTIONS AND TRANSITIONS FIRST. FOLLOW THE APPROPRIATE STEPS INCLUDED IN THESE INSTALLATION INSTRUCTION FOR THESE ITEMS.</li><li>LEAVE ½" GAP BETWEEN THE START OF STRAIGHT EXPAND-O-FLASH SECTION AND ALL INTERSECTIONS AND TRANSITIONS.</li><li>THE BUILDING/ROOF SURFACES TO WHICH THE EXPAND-O-FLASH IS TO BE INSTALLED SHOULD BE SMOOTH, CLEAN AND FREE OF ANY DIRT AND DEBRIS.</li><li>INSTALL EXPAND-O-FLASH WITH THE FOAM BACKER FACING THE INSIDE OF BUILDING. DO NOT EXPOSE FOAM TO WEATHER.</li><li>SEE SPLICING INSTRUCTIONS ABOVE, FOR TYPICAL</li></ul></div>								
<div>DRAWING NO. INST-EOF-CF-CC</div> <div>PAGE 1</div>		<div>SCALE NTS</div> <div>ISSUE DATE 5/14/12</div> <div>REV. NO. —</div> <div>CAD FILE: EOF INSTALL INSTRUCTIONS.DWG</div>	<div>EXPAND-O-FLASH (STYLE CF; CURB TO CURB) INSTALLATION INSTRUCTIONS</div>				<div>Johns Manville is a Manufacturer of commercial roofing products and offers this general conceptual information to you as a courtesy. This complimentary assistance is not to be used or relied upon by anyone as a substitute for professional engineering design and documentation required by building code, contract, or applicable law. By accepting these comments you agree they do not constitute any representations, endorsements of, or an assumption by Johns Manville of any liability for either the adequacy of the design of this building or any other material not supplied by Johns Manville.</div> <div></div>	

EXPAND-O-FLASH  
CURB TO WALL  
FLANGE STYLE CF/EJ  
INSTALLATION INSTRUCTIONS



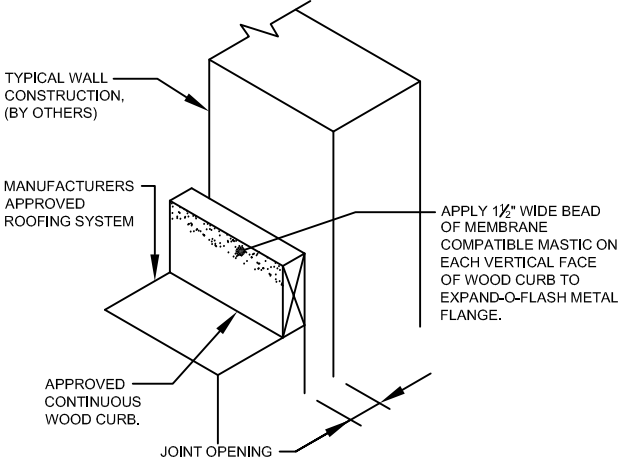
MOUNTING HEIGHT 'A'

BELLOWS MOUNTING HEIGHT 'A' FOR  
ROOF TO WALL ATTACHMENT

BELLOWS WIDTH	MOUNTING HEIGHT 'A'
4"	2 1/2"
6"	3 3/4"
8"	5 1/8"
10"	6 3/8"
12"	7 1/2"
14"	8 3/4"
16"	10 1/4"
18"	11 1/2"
20"	12 3/4"
22"	14"
24"	15 1/4"

THE MOUNTING HEIGHT PROVIDED ABOVE ARE  
APPLICABLE FOR ANY CONDITION IN WHICH THE  
EXPAND-O-FLASH IS BEING MOUNTED IN A ROOF TO WALL  
CONDITION.

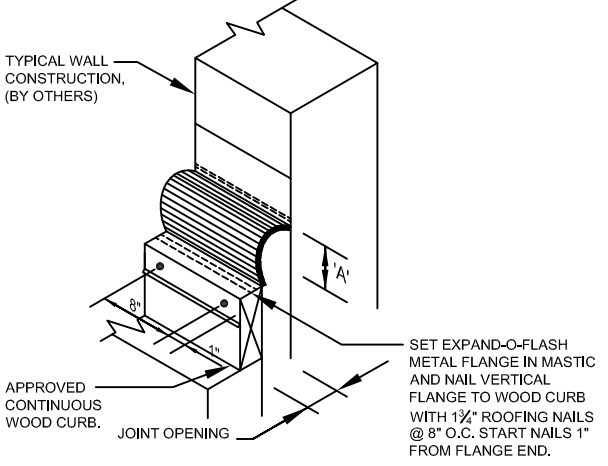
STEP 1



APPLY 1½" WIDE BEAD  
OF MEMBRANE  
COMPATIBLE MASTIC ON  
EACH VERTICAL FACE  
OF WOOD CURB TO  
EXPAND-O-FLASH METAL  
FLANGE.

APPLY MEMBRANE COMPATIBLE MASTIC ON HORIZONTAL  
SURFACE OF ROOF CURB TO RECEIVE EXPAND-O-FLASH  
METAL FLANGE. INSTALL ONE EXPAND-O-FLASH FLANGE AT  
A TIME.

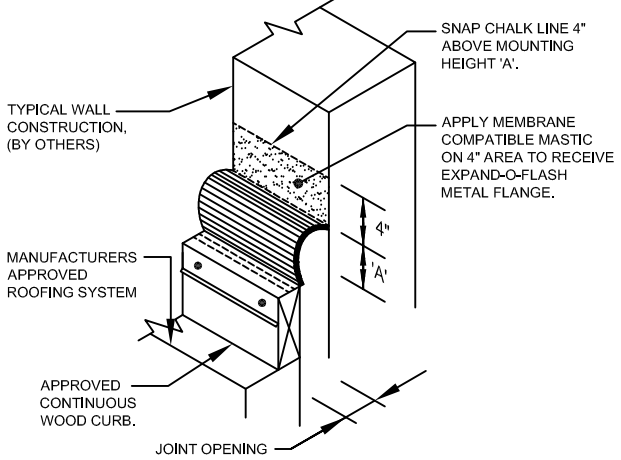
STEP 2



SET EXPAND-O-FLASH  
METAL FLANGE IN MASTIC  
AND NAIL VERTICAL  
FLANGE TO WOOD CURB  
WITH 1½" ROOFING NAILS  
@ 8" O.C. START NAILS 1"  
FROM FLANGE END.

SET EXPAND-O-FLASH FLANGE IN MEMBRANE COMPATIBLE  
MASTIC AND NAIL TO VERTICAL SURFACE OF ROOF CURB  
W/ (1) 1¾" ROOF NAIL @ 8" O.C. START NAILS 1" FROM  
FLANGE END.

STEP 3

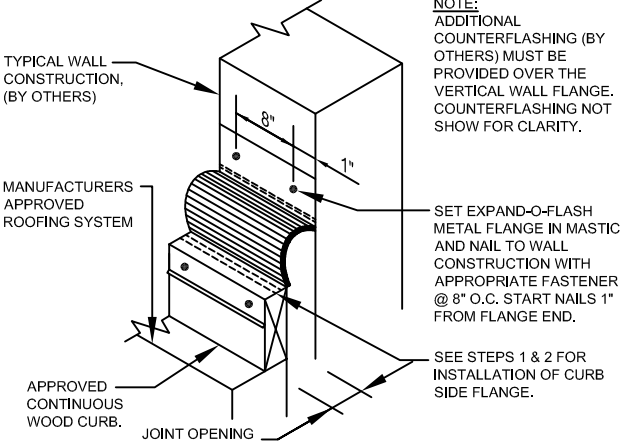


SNAP CHALK LINE 4"  
ABOVE MOUNTING  
HEIGHT 'A'.

APPLY MEMBRANE  
COMPATIBLE MASTIC  
ON 4" AREA TO RECEIVE  
EXPAND-O-FLASH  
METAL FLANGE.

FOLD OVER WALL FLANGE TO GAIN ACCESS TO  
ATTACHMENT LOCATION. SNAP CHALK LINE 4" ABOVE  
MOUNTING HEIGHT 'A'. SEE MOUNTING HEIGHT 'A' CHART  
FOR CORRECT DIMENSION.  
APPLY MEMBRANE COMPATIBLE MASTIC ON 4" WIDE AREA  
TO RECEIVE EXPAND-O-FLASH METAL WALL FLANGE.

STEP 4



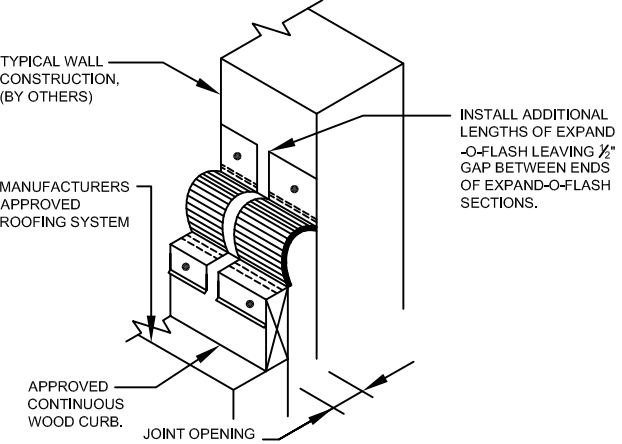
NOTE:  
ADDITIONAL  
COUNTERFLASHING (BY  
OTHERS) MUST BE  
PROVIDED OVER THE  
VERTICAL WALL FLANGE.  
COUNTERFLASHING NOT  
SHOW FOR CLARITY.

SET EXPAND-O-FLASH  
METAL FLANGE IN MASTIC  
AND NAIL TO WALL  
CONSTRUCTION WITH  
APPROPRIATE FASTENER  
@ 8" O.C. START NAILS 1"  
FROM FLANGE END.

SEE STEPS 1 & 2 FOR  
INSTALLATION OF CURB  
SIDE FLANGE.

SET EXPAND-O-FLASH WALL FLANGE IN MEMBRANE  
COMPATIBLE MASTIC AND NAIL TO WALL CONSTRUCTION  
W/ (1) APPROPRIATE FASTENER @ 8" O.C. START  
FASTENERS 1" FROM FLANGE END.

STEP 5



INSTALL ADDITIONAL  
LENGTHS OF EXPAND  
-O-FLASH LEAVING ½"  
GAP BETWEEN ENDS  
OF EXPAND-O-FLASH  
SECTIONS.

REPEAT STEPS 1 THRU 4 FOR REMAINING SECTIONS OF  
EXPAND-O-FLASH BEING SURE TO PROVIDE ½" GAP  
BETWEEN ENDS OF EXPAND-O-FLASH SECTIONS.

- INSTALLATION INSTRUCTION NOTES:**
- INSTALL ALL FACTORY FABRICATED INTERSECTIONS AND TRANSITIONS FIRST. FOLLOW THE APPROPRIATE STEPS INCLUDED IN THESE INSTALLATION INSTRUCTION FOR THESE ITEMS.
  - LEAVE ½" GAP BETWEEN THE START OF STRAIGHT EXPAND-O-FLASH SECTION AND ALL INTERSECTIONS AND TRANSITIONS.
  - THE BUILDING/ROOF SURFACES TO WHICH THE EXPAND-O-FLASH IS TO BE INSTALLED SHOULD BE SMOOTH, CLEAN AND FREE OF ANY DIRT AND DEBRIS.
  - INSTALL EXPAND-O-FLASH WITH THE FOAM BACKER FACING THE INSIDE OF BUILDING. DO NOT EXPOSE FOAM TO WEATHER.
  - SEE SPLICING INSTRUCTIONS ON REVERSE, FOR TYPICAL