

CURB DETAILS

EN6010 - SINGLE ROOF CURB

EN6015 - SINGLE ROOF CURB - R-Boost™

EN6030 - DOUBLE ROOF CURB

EN6035 - DOUBLE ROOF CURB - R-Boost™

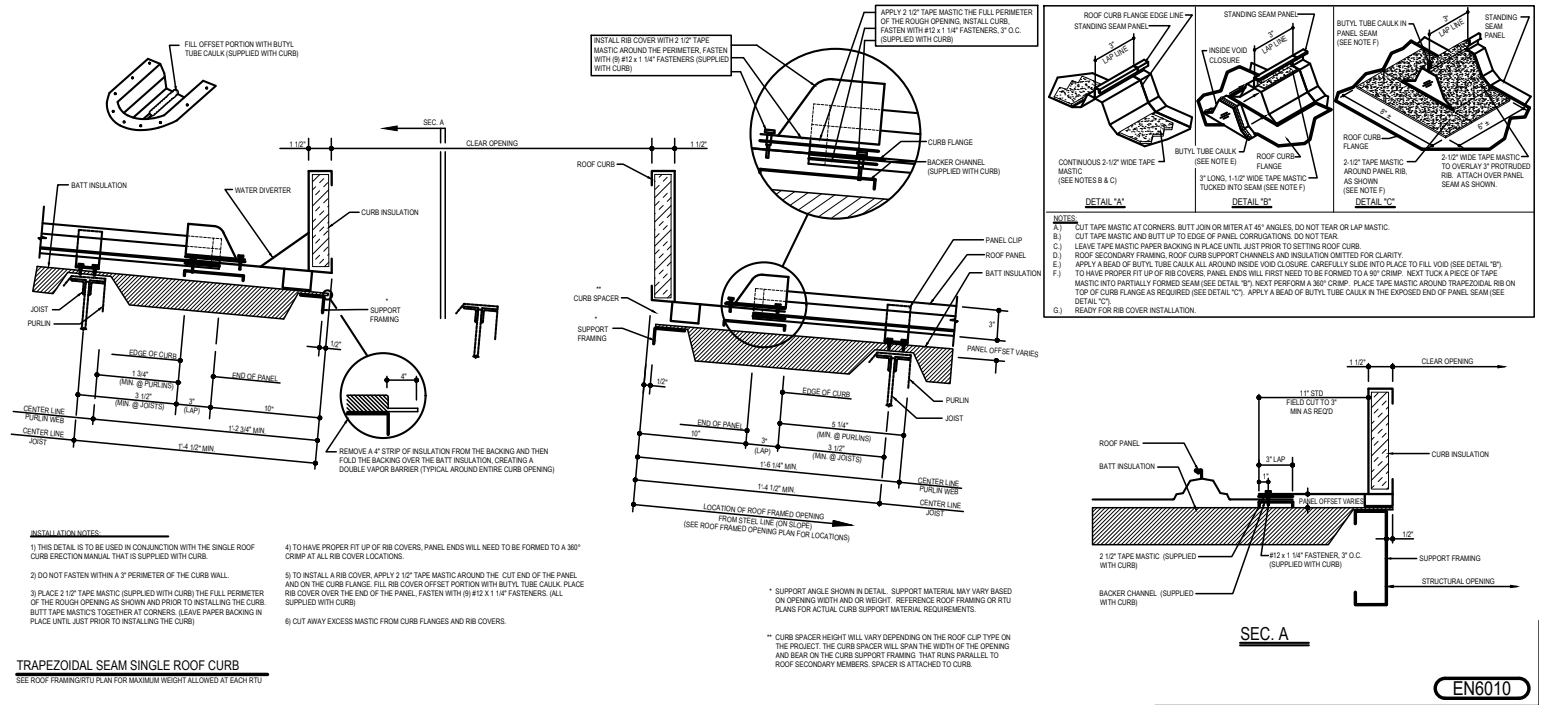
EN6098 - PURLIN CAVITY FRAMING INSTALLATION (LIGHTWEIGHT CURBS)

EN6099 - LIGHTWEIGHT ROOF CURB INSTALLATION

EN6100 - LIGHTWEIGHT ROOF CURB

EN6010 - SINGLE ROOF CURB

Download the DWG file by clicking here.

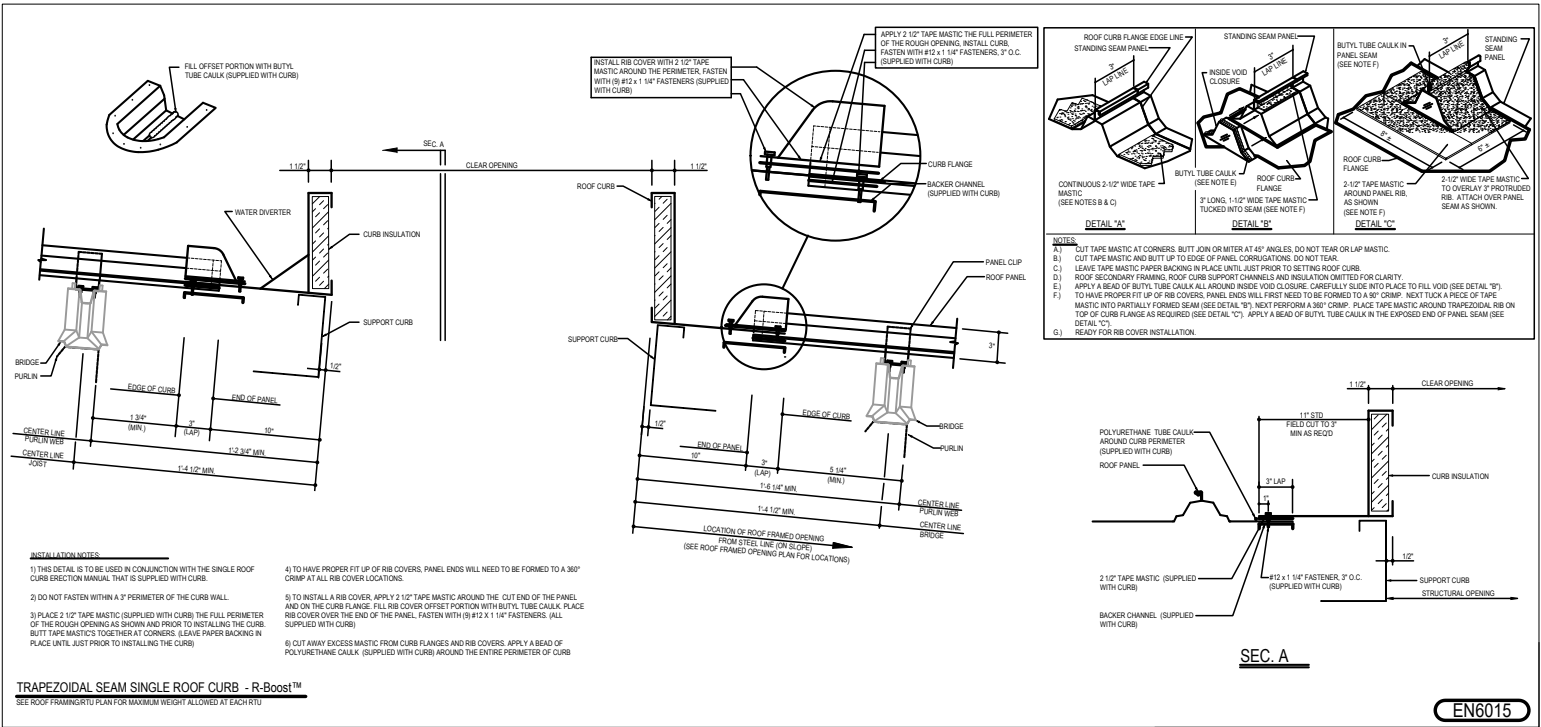


Detailer Notes:

1) N/A

EN6015 - SINGLE ROOF CURB - R-Boost™

Download the DWG file by clicking here.



Detailer Notes:

1) DETAIL FOR R-Boost™ SYSTEM ONLY.

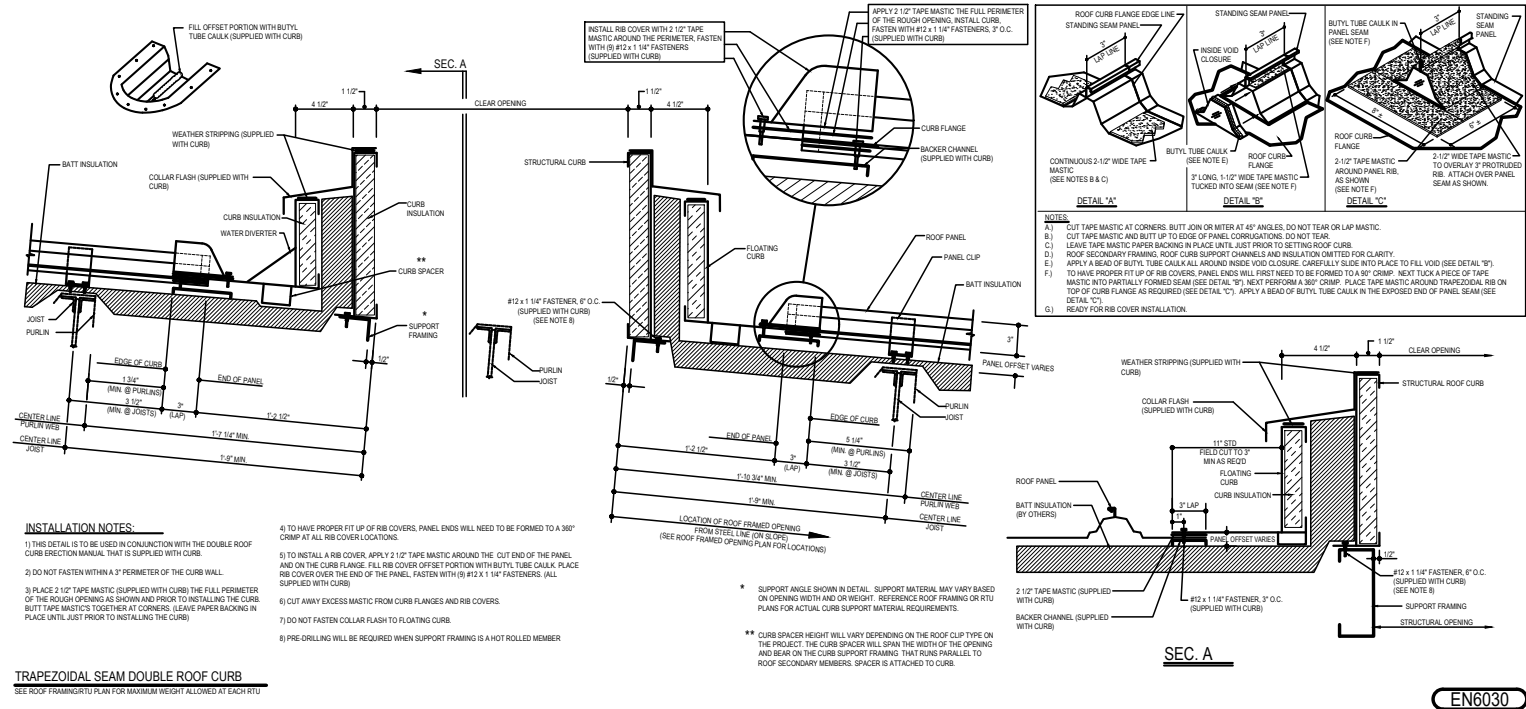
NUCOR® BUILDINGS GROUP

STANDARD and LIGHTWEIGHT CURB DETAILS

TRAPEZOIDAL SEAM ROOF PANELS

EN6030 - DOUBLE ROOF CURB

[Download the DWG file by clicking here.](#)



Detailer Notes:

1) N/A

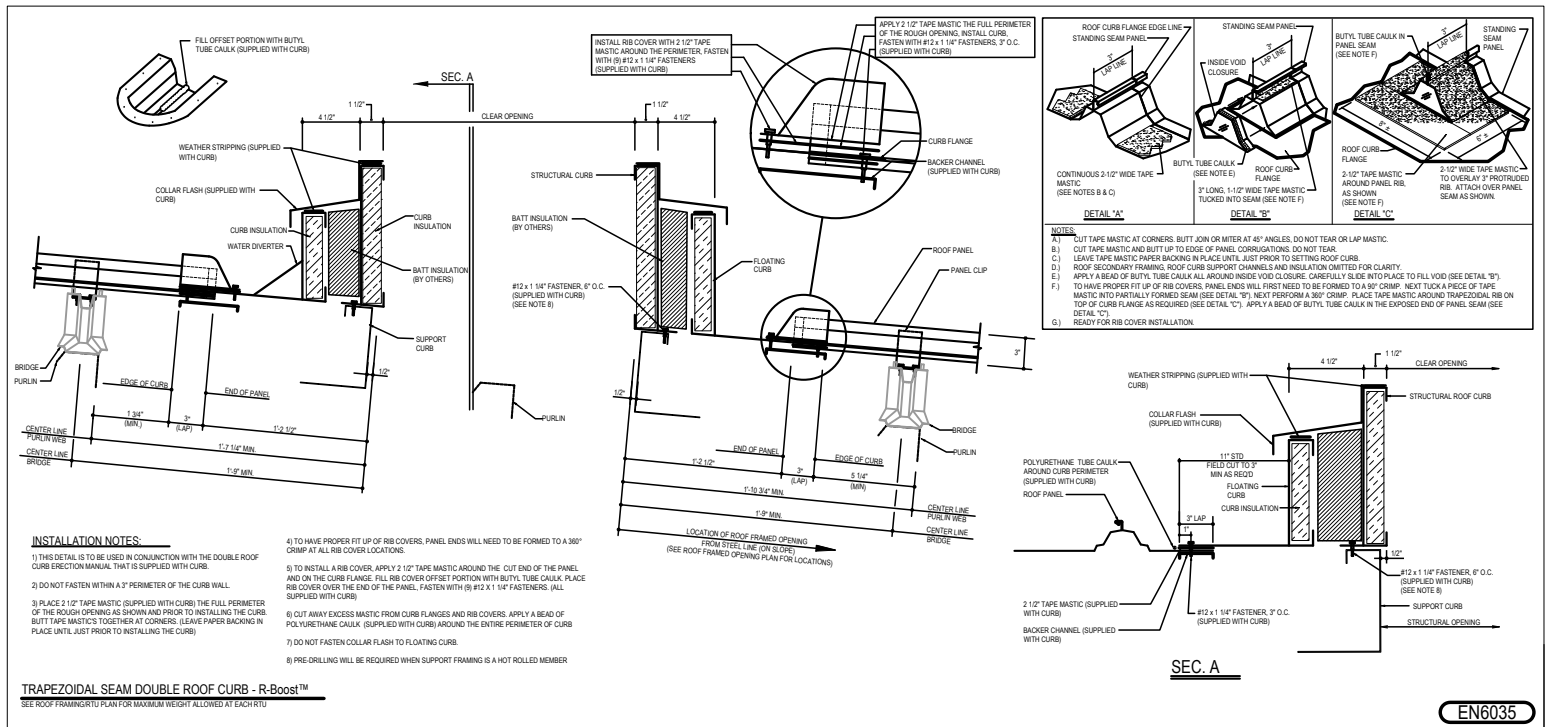
NUCOR® STANDARD and LIGHTWEIGHT CURB DETAILS

BUILDINGS GROUP

TRAPEZOIDAL SEAM ROOF PANELS

EN6035 - DOUBLE ROOF CURB - R-Boost™

[Download the DWG file by clicking here.](#)

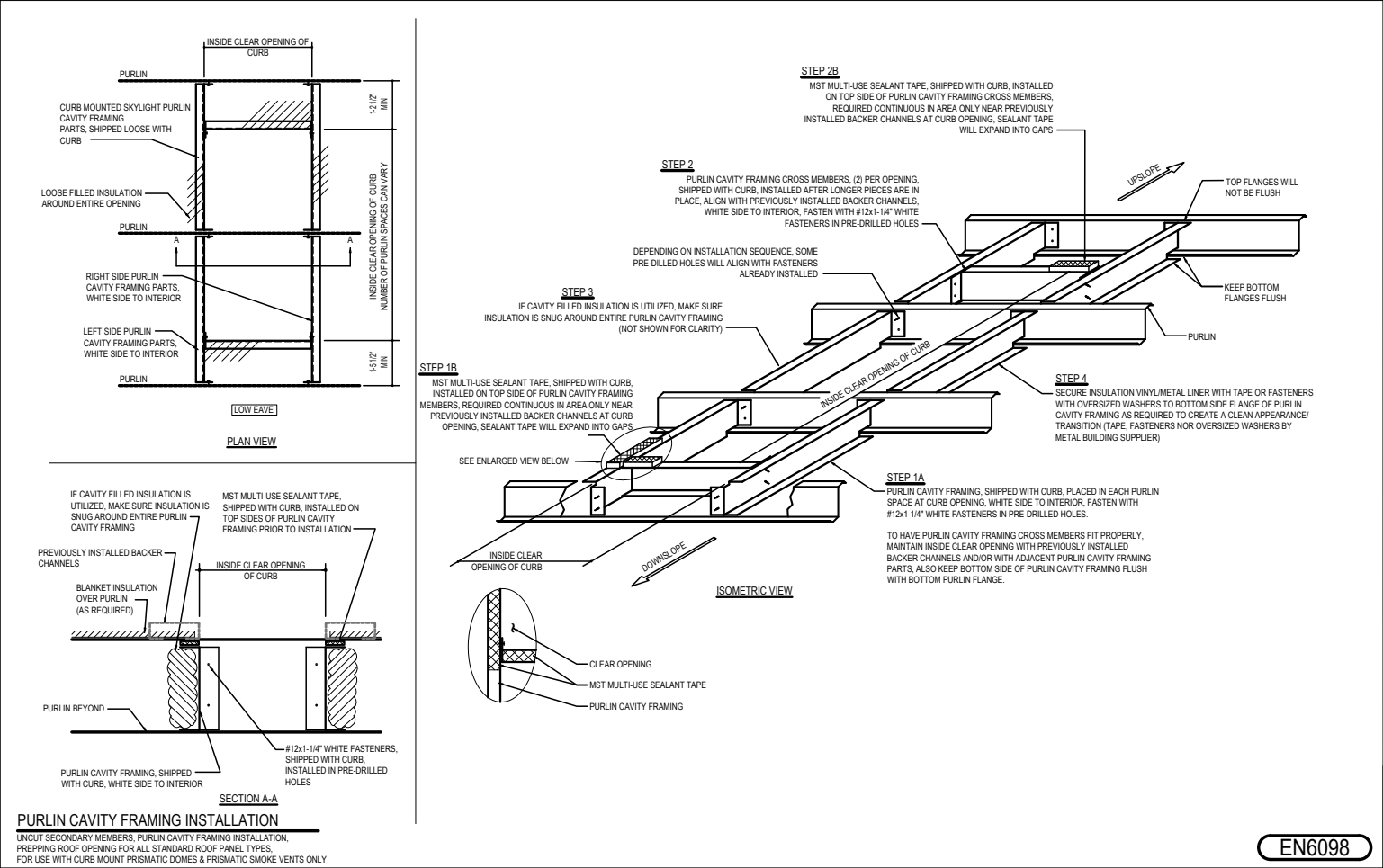


Detailer Notes:

1) DETAIL FOR R-Boost™ SYSTEM ONLY.

EN6098 - PURLIN CAVITY FRAMING INSTALLATION (LIGHTWEIGHT CURBS)

Download the DWG file by clicking here.



Detailer Notes:

1) THIS DETAIL IS A DUPLICATE OF DETAILS DL0098, EN3098, AND EN6098. WHEN MAINTENANCE IS REQUIRED, BE SURE TO UPDATE THE ADDITIONAL DETAILS AS REQUIRED (PD ONLY).

NUCOR® STANDARD and LIGHTWEIGHT CURB DETAILS

BUILDINGS GROUP

TRAPEZOIDAL SEAM ROOF PANELS

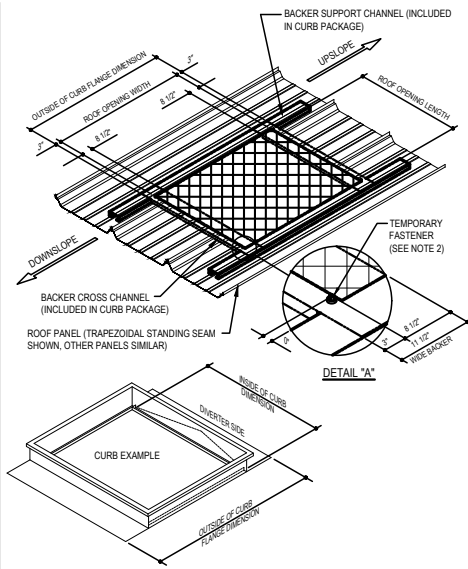
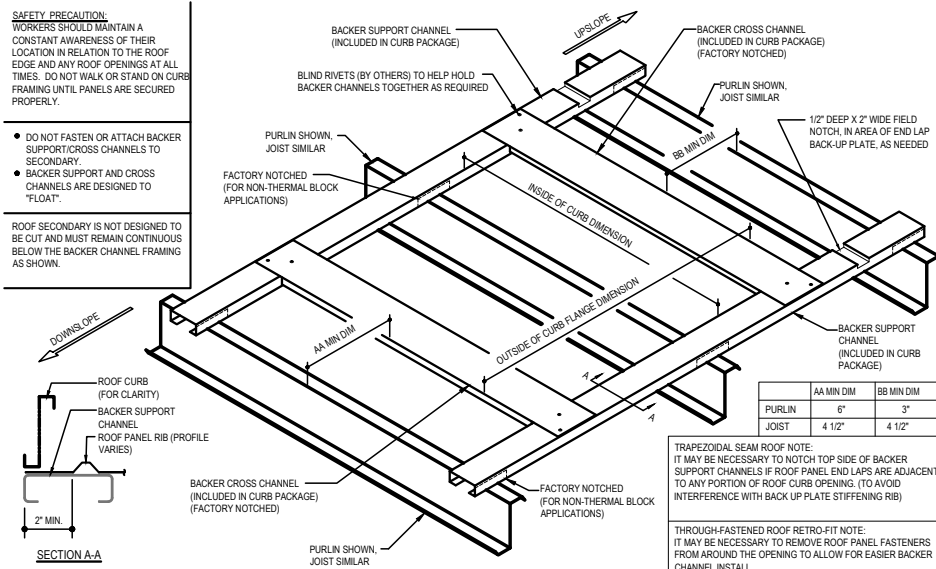
EN6099 - LIGHTWEIGHT ROOF CURB INSTALLATION

[Download the DWG file by clicking here.](#)

SAFETY PRECAUTION:
WORKERS SHOULD MAINTAIN A CONSTANT AWARENESS OF THEIR LOCATION IN RELATION TO THE ROOF EDGE AND ANY ROOF OPENINGS AT ALL TIMES. DO NOT WALK OR STAND ON CURB FRAMING UNTIL PANELS ARE SECURED PROPERLY.

- DO NOT FASTEN OR ATTACH BACKER SUPPORT/CROSS CHANNELS TO SECONDARY.
- BACKER SUPPORT AND CROSS CHANNELS ARE DESIGNED TO "FLOAT".

ROOF SECONDARY IS NOT DESIGNED TO BE CUT AND MUST REMAIN CONTINUOUS BELOW THE BACKER CHANNEL FRAMING AS SHOWN.



INSTALLATION PROCEDURE (RETRO-FIT):

- 1) DETERMINE ROOF CURB LOCATION(S). IF POSSIBLE, TRY TO CENTER OPENING/CURB OVER A MAJOR RIB/SEAM. KEEP OPENING MINIMUM 2" FROM EDGE OF RIB. SEE SECTION A-A.
- 2) FOLLOW ROOF PANEL CUT-OUT PROCEDURES (AT RIGHT) FOR PROPERLY CUTTING OPENING IN ROOF PANEL.
- 3) INSTALL BACKER SUPPORT CHANNELS (SIDES), USING CAUTION NOT TO TEAR/CUT ROOF INSULATION WHEN PLACING WITHIN OPENING.
- 4) CENTER BACKER FRAMING OVER SECONDARY MAKING SURE THE ENDS OF THE BACKER SUPPORT CHANNELS REST ON SECONDARY EQUALLY. (IF A NON-THERMAL BLOCK ROOF APPLICATION, THE BACKER SUPPORT CHANNELS WILL COME FACTORY NOTCHED AT SECONDARY).
- 5) INSTALL BACKER CROSS CHANNELS (UPSLOPE/DOWNSLOPE), WITH FACTORY NOTCHED ENDS, ON TOP OF BACKER SUPPORT CHANNELS AND UNDER ROOF PANEL.
- 6) FOLLOW INSULATION TIE-OFF PROCEDURE (FROM BELOW) FOR PROPERLY REMOVING INSULATION FROM ROOF OPENING.

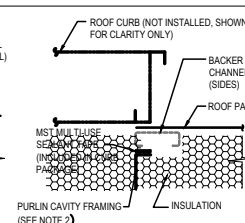
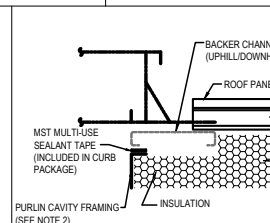
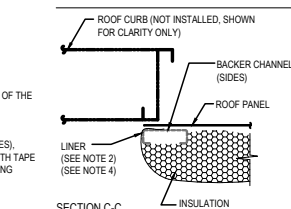
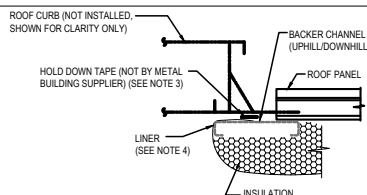
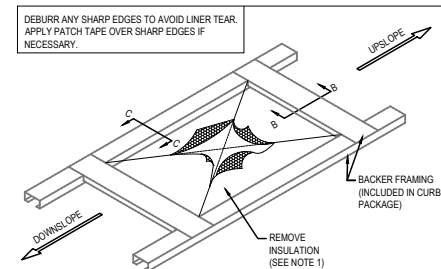
INSTALLATION PROCEDURE (NEW CONSTRUCTION):

- 1) DETERMINE ROOF CURB LOCATION(S). IF POSSIBLE, TRY TO CENTER OPENING/CURB OVER A MAJOR RIB/SEAM. KEEP OPENING MINIMUM 2" FROM EDGE OF RIB. SEE SECTION A-A.
- 2) ASSEMBLE BACKER SUPPORT/CROSS CHANNELS. PLACE (2) POP RIVETS IN EACH CORNER TO HELP HOLD BACKER CHANNELS TOGETHER, AS REQ'D.
- 3) LAY BACKER FRAMING ON TOP OF INSULATION. (IF NO INSULATION IS UTILIZED THEN LAY DIRECTLY ON TOP OF SECONDARY).
- 4) CENTER BACKER FRAMING OVER SECONDARY MAKING SURE THE ENDS OF BACKER SUPPORT CHANNELS REST ON THE SECONDARY EQUALLY. (IF A NON-THERMAL BLOCK ROOF APPLICATION, THE BACKER SUPPORT CHANNELS WILL COME FACTORY NOTCHED AT SECONDARY).
- 5) START SHEETING OVER BACKER FRAMING. ATTACH ROOF PANELS PER STANDARD PRACTICE.
- 6) PLACE A FASTENER AT LOWER AND UPPER CORNER OF SUPPORT FRAMING.
- 7) FOLLOW INSULATION TIE-OFF PROCEDURE (FROM BELOW) FOR PROPERLY REMOVING INSULATION FROM ROOF OPENING.

ROOF PANEL CUT-OUT PROCEDURE:

WHEN FIELD CUTTING PANELS DO NOT USE ABRASIVE SAWS OR OTHER CUTTING METHODS WHICH PRODUCE HOT METAL PARTICLES AND/OR BURN THE CUT EDGES. THESE METHODS WILL DAMAGE THE PAINTED AND ALUMINUM COATED FINISH AND VOID ANY WARRANTIES. USE DOUBLE CUT SHEARS, NIBBLERS OR OTHER CUTTING DEVICES WHICH DO NOT PRODUCE HOT METAL PARTICLES OR BURNED EDGES.

- 1) FOR RETRO-FIT INSTALL, THE ROOF OPENING WIDTH DIMENSION WILL BE THE OUTSIDE OF CURB FLANGE DIMENSION MINUS (1/2)". THE ROOF OPENING LENGTH DIMENSION WILL BE THE INSIDE OF CURB DIMENSION. ONCE DIMENSIONS ARE LAID OUT AND CONFIRMED, DRILL A HOLE IN PANEL AT EACH CORNER AND CUT AWAY ROOF PANELS, USING CAUTION NOT TO CUT INTO ROOF INSULATION (IF UTILIZED).
- 2) FOR NEW CONSTRUCTION, PLACE A FASTENER AT EACH CORNER OF THE SUPPORT FRAMING AS SHOWN IN DETAIL "A" (THIS IS TEMPORARY AND WILL HELP ENSURE THE SUPPORT FRAMING DOES NOT MOVE DURING PANEL INSTALLATION). LOCATE CORNER FASTENERS UNDER ROOF PANELS, DRILL A HOLE IN ROOF PANEL AT EACH FASTENER LOCATION AND CUT AWAY ROOF PANELS, USING CAUTION NOT TO CUT INTO ROOF INSULATION (IF UTILIZED).
- 3) DEBURR ALL FIELD CUT PANEL CORRUGATIONS AND PANEL EDGES OF SHARP EDGES BEFORE PROCEEDING.



INSULATION TIE-OFF PROCEDURE AT PURLIN CAVITY FRAMING:

- USE WITH CAVITY FILLED INSULATION (BASKET) SYSTEMS AND/OR WITH METAL ROOF LINER IF ORDERED.
- 1) REMOVE ADDITIONAL INSULATION FROM WITHIN THE ROOF OPENING AREA TO BE ABLE TO INSTALL PURLIN CAVITY FRAMING, BUT NOT SO MUCH AS TO CREATE VOIDS. INSULATION NEEDS TO BE SNUG AROUND PURLIN CAVITY FRAMING.
 - 2) INSTALL PURLIN CAVITY FRAMING PARTS WITH MULTI-USE SEALANT TAPE APPLIED ON TOP SIDE FLANGE, TO CREATE SEAL BETWEEN BACKER CHANNELS AND PURLIN CAVITY FRAMING.
 - 3) FILL INSULATION VOIDS WITH ADEQUATE INSULATION, AS REQUIRED.
 - 4) SECURE INSULATION VINYL/METAL LINER WITH TAPE OR FASTENERS WITH OVERSIZED WASHERS TO BOTTOM SIDE FLANGE OF PURLIN CAVITY FRAMING (TAPE, FASTENERS NOR OVERSIZED WASHERS BY METAL BUILDING SUPPLIER).

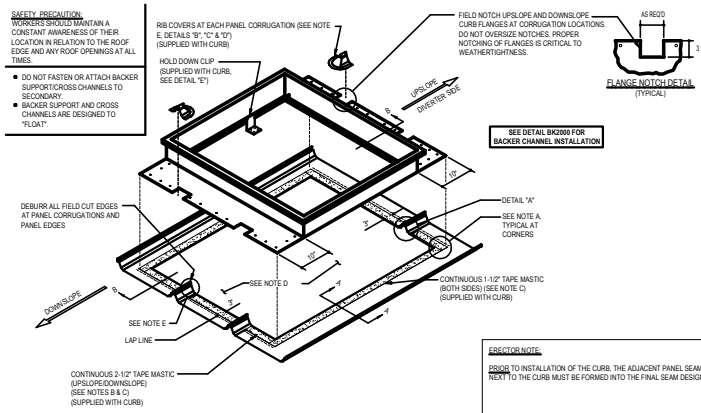
LIGHTWEIGHT ROOF CURB INSTALLATION

UNCUT SECONDARY MEMBERS, SUPPORT FRAMING INSTALLATION.
PREPPING ROOF OPENING FOR ALL STANDARD ROOF PANEL TYPES.
FOR USE WITH CURB MOUNT PRISMATIC DOMES & PRISMATIC SMOKE VENTS ONLY

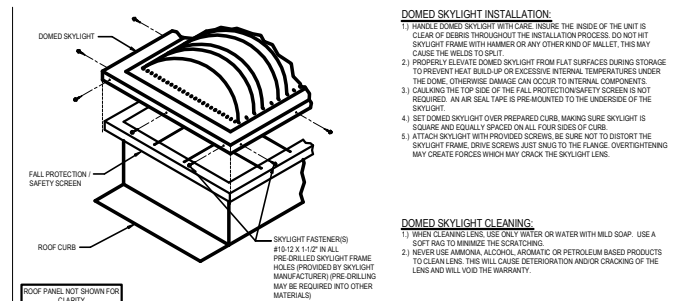
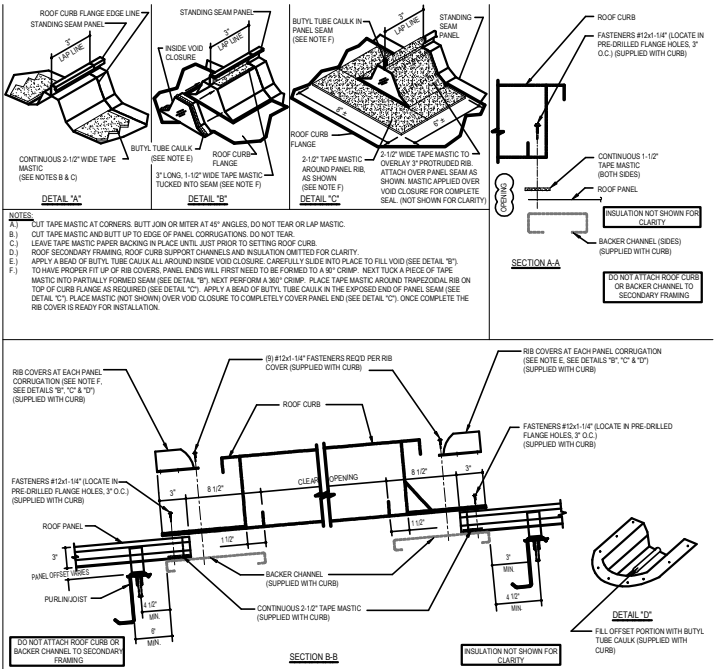
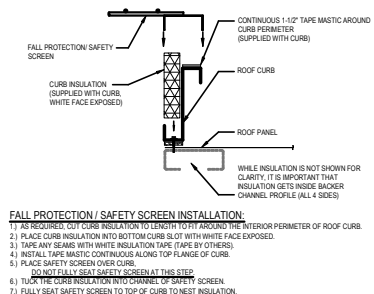
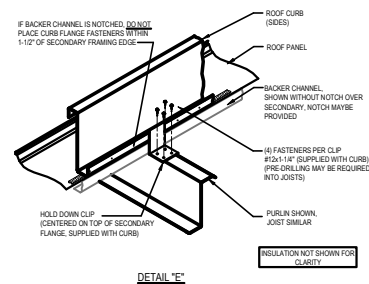
Detailer Notes:

- 1) FOR USE WITH CURB MOUNT PRISMATIC DOMES & PRISMATIC SMOKE VENTS ONLY
- 2) THIS DETAIL IS A DUPLICATE OF DETAILS DL0099, EN3099, AND EN6099. WHEN MAINTENANCE IS REQUIRED, BE SURE TO UPDATE THE ADDITIONAL DETAILS AS REQUIRED (PD ONLY).

[Download the DWG file by clicking here.](#)

[illegible]

TRAPEZOIDAL SEAM ROOF PANEL
FOR USE WITH PRISMATIC DOMES AND PRISMATIC SMOKE VENTS ONLY



1) N/A