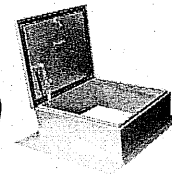
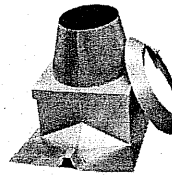
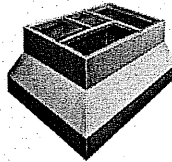
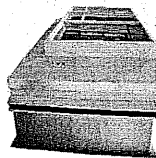
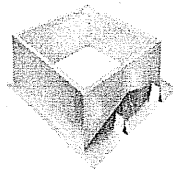




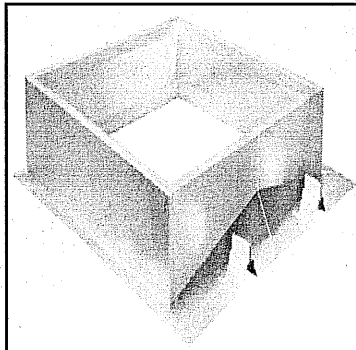
Custom Solution Roof and Metal ProductsTM

Building a reputation as a Leader in metal roof top accessories!

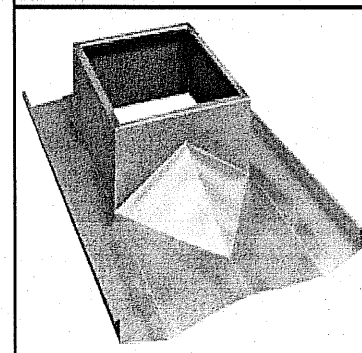
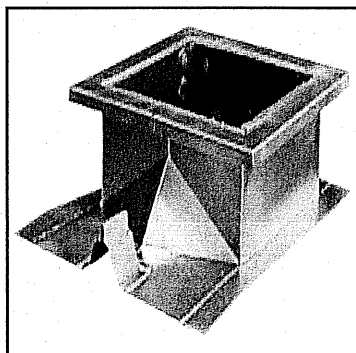
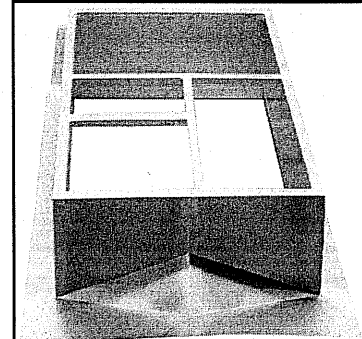
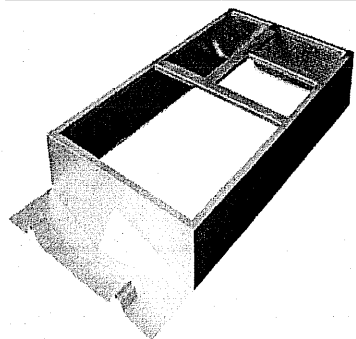
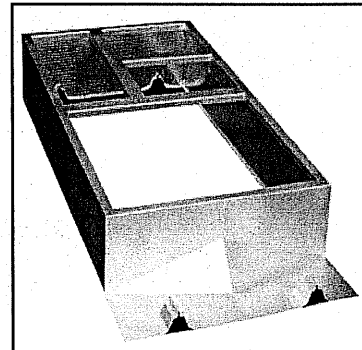


About The Company	Contact Information	On-Line Quick Quote	Product Line	Letter to our Customers	Product & Spec Book	Facsimile Quote Request Form	Drafting Paper
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Custom Solution Roof Curbs

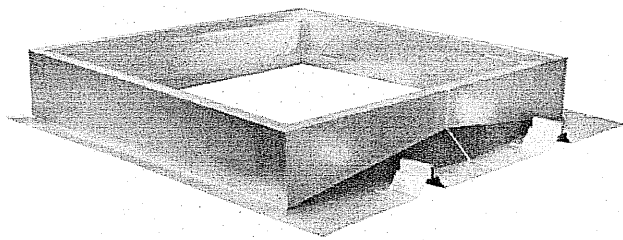


- Metal Fabrication using state-of-the-art plasma tables
- Accurate bends using RAS TURBObend metal folding system
- Manufactured by Certified Welders
- Build in variety of metals
- Foil faced 3 pound insulation board
- Protective insulation rails
- Vertical continuous water tight welds
- Welds coated with zinc-enriched primer & finish coated with silver acrylic paint
- Custom painting available



* Mechanically seamed curbs available

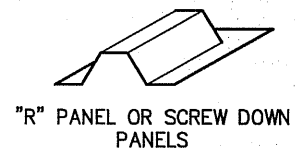
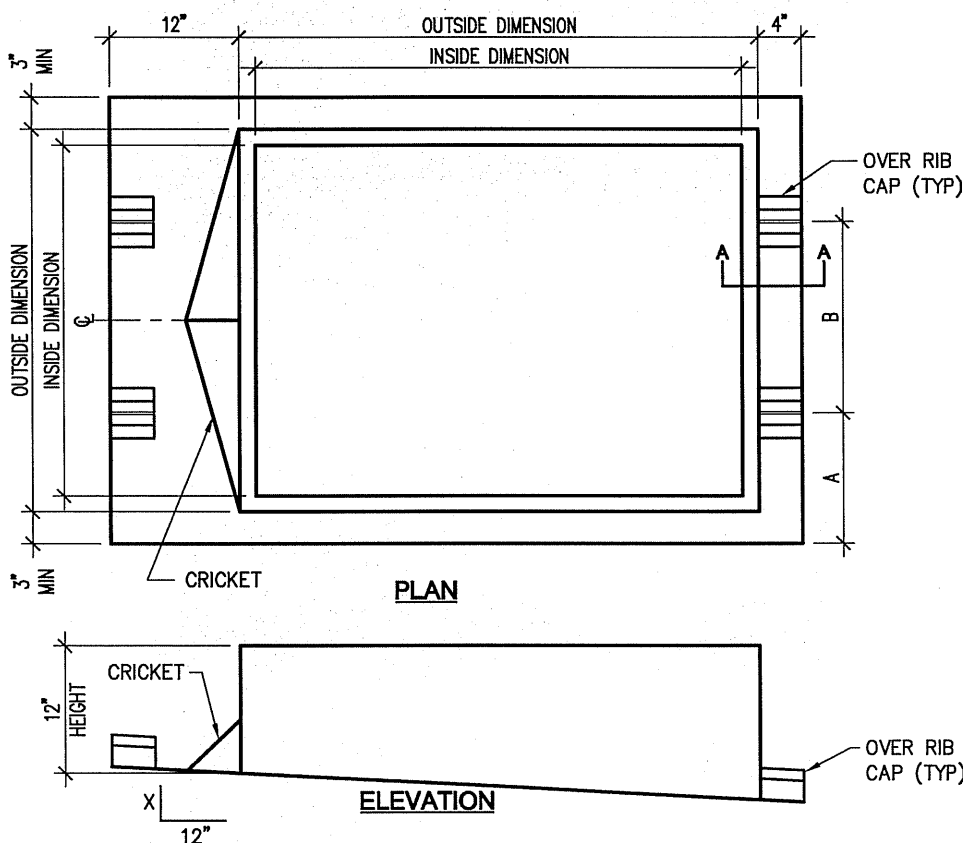
2224 16th Avenue SW, Cedar Rapids, Iowa 52404
Phone: 319-298-2872 • Toll Free: 800-757-2872 • Fax: 877-299-2875



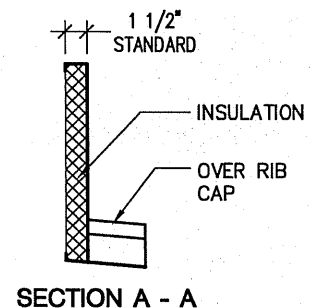
Custom Solution
Roof and Metal Products™

Roof Curb #P100-M-VV-W Metal Roof, Over/Over, Welded Caps

STANDARD FEATURES	STEEL OPTIONS	OPTIONAL FEATURES*
<ul style="list-style-type: none"> Mitered top & bottom flanges Water tight welds 12" minimum height 1-1/2" foil-faced insulation board Integral water-diverting cricket Welds zinc enriched, primed & finish coated 	01 - 18 gauge Galvalume steel* 02 - 20 gauge Galvalume steel 03 - 0.080 aluminum 04 - Stainless steel 05 - 16 gauge galvanized 06 - 18 gauge galvanized 07 - 20 gauge galvanized	A. No insulation B. Top flange bent to outside C. Interior protective metal liner D. Splash guard E. Sidewall support bracing F. Burglar bars G. Purlin support rails H. Internal damper flange
	*Standard	*Customized Dimensions Available



ROOF RIB TRANSITION CAPS



toll free: [800] 757.2872

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Get estimates and order online
www.csroofmetalproducts.com

Roof Curb
#P100-M-VV-W
Metal Roof, Over/Over, Welded Caps

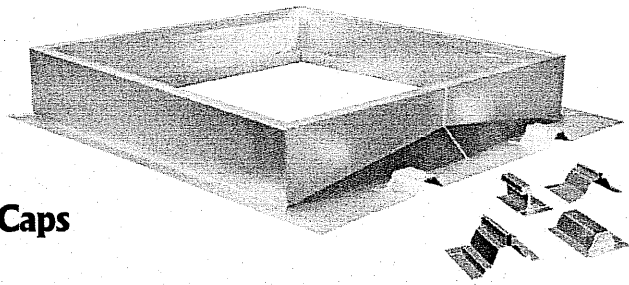


Custom Solution Roof and Metal Products™

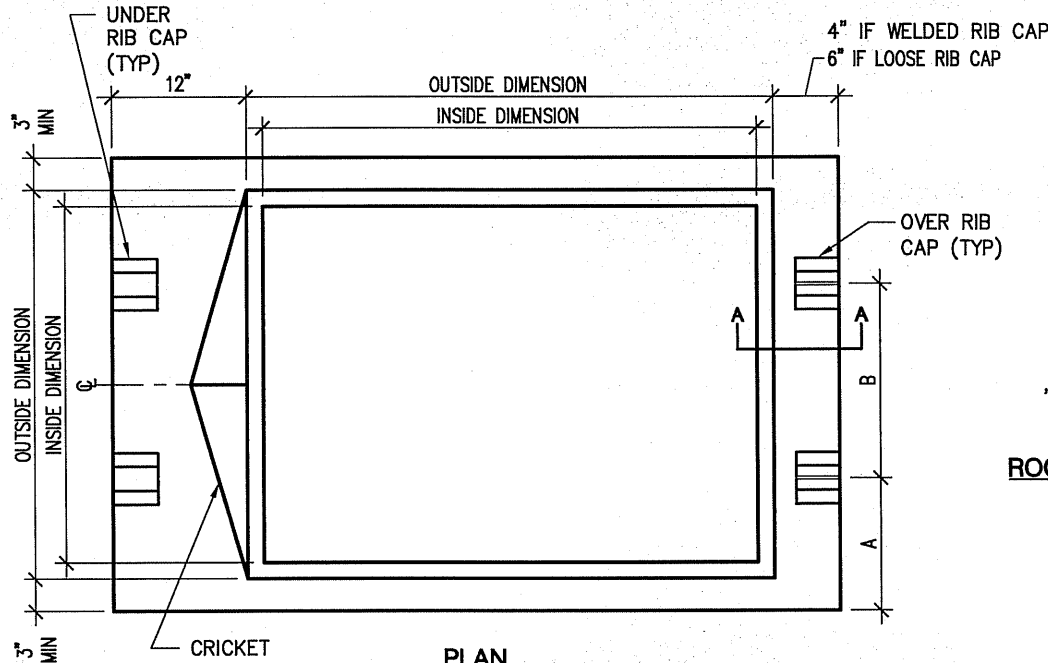
Roof Curb

#P100-M-VU

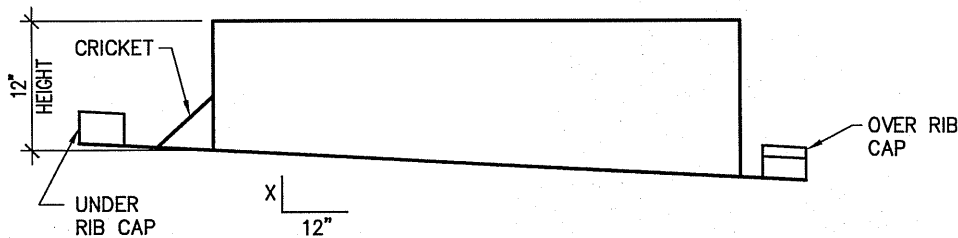
Metal Roof, Over/Under, Welded or Loose Caps



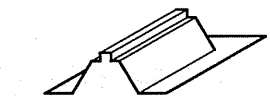
STANDARD FEATURES	STEEL OPTIONS	OPTIONAL FEATURES*
<ul style="list-style-type: none"> Mitered top & bottom flanges Water tight welds 12" minimum height 1-1/2" foil-faced insulation board Integral water-diverting cricket Welds zinc enriched, primed & finish coated 	01 - 18 gauge Galvalume steel* 02 - 20 gauge Galvalume steel 03 - 0.080 aluminum 04 - Stainless steel 05 - 16 gauge galvanized 06 - 18 gauge galvanized 07 - 20 gauge galvanized	A. No insulation B. Top flange bent to outside C. Interior protective metal liner D. Splash guard E. Sidewall support bracing F. Burglar bars G. Purlin support rails H. Internal damper flange
	*Standard	*Customized Dimensions Available



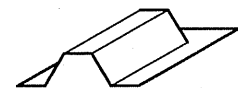
PLAN



ELEVATION

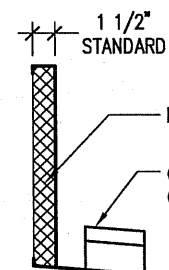


TRAPEZOIDAL SSR PANEL



"R" PANEL OR SCREW DOWN PANELS

ROOF RIB TRANSITION CAPS



SECTION A - A

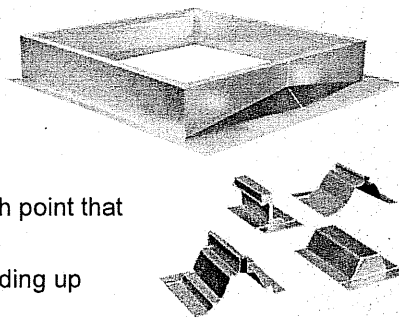


Custom Solution Roof and Metal Products™

Installation Instructions*

Metal Ribbed Roof - Over/Over Application - Loose Roof Rib Cap

1. Set curb on desired roof top location
2. Mark an outline of the curb
3. Remove curb
4. Cut hole in roof to within 4" of curb flange edge on top and bottom, cut width to inside dimension of curb opening.
5. Cut a notch in the curb flange that is 4" deep and as wide as the roof rib at each point that the curb flange will overlap the rib.
 - a. This will allow the curb to be placed flat on the roof with the roof ribs protruding up through the flange notches.
6. Apply a continuous strip of 2 ½" butyl tape just inside of marked perimeter outline, including over the roof ribs.
7. Apply a bead of exterior caulk to outer edge of the butyl tape around entire perimeter
8. Place curb back down over butyl tape and exterior caulk and attach to roof using ¼" x 14" x 7/8" self tapping stitch point hydro screws. Screws should be attached at the outside perimeter of the curb at 6" minimum intervals on the side flanges and 4" minimum intervals on the top and bottom flanges.
9. Apply butyl tape and exterior caulk to the curb flange area around each notch.
10. Set the loose roof rib caps over the roof rib panels.
11. Attach roof rib caps using ¼" x 14" x 7/8" self tapping stitch point hydro screws. Number of screws needed, will vary upon size and style of cap.
12. Apply additional caulk to roof rib caps as needed
13. When curb is fully fastened spread a heavy coat of self leveling caulk over the edges of the curb flanges and exposed screw heads.



Metal Ribbed Roof - Over/Over Application - Welded Roof Rib Cap

1. Set curb on desired roof top location
2. Mark an outline of the curb
3. Remove curb
4. Cut hole in roof to within 4" of curb flange edge on top and bottom, cut width to inside dimension of curb opening.
5. Apply a continuous strip of 2 ½" butyl tape just inside of marked perimeter outline, including over the roof ribs.
6. Apply a bead of exterior caulk to outer edge of the butyl tape around entire perimeter
7. Place curb back down over butyl tape and exterior caulk and attach to roof using ¼" x 14" x 7/8" self tapping stitch point hydro screws. Screws should be attached at the outside perimeter of the curb at 6" minimum intervals on the side flanges and 4" minimum intervals on the top and bottom flanges.
8. Apply additional caulk to roof rib caps as needed
9. When curb is fully fastened spread a heavy coat of self leveling caulk over the edges of the curb flanges and exposed screw heads.



**Instructions are meant as a general guide. Variations may occur, see building plan drawings prior to installation.*

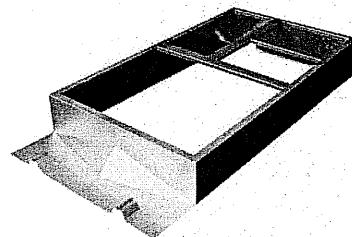


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Installation Instructions*

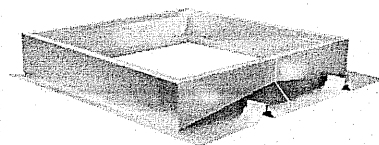
Metal Ribbed Roof - Over/Over Application– Slide On Roof Rib Cap

1. Set curb on desired roof top location
2. Mark an outline of the curb
3. Remove curb
4. Cut hole in roof to within 4" of curb flange edge on top and bottom, cut width to inside dimension of curb opening.
5. Cut a notch in the curb flange that is 4" deep and as wide as the roof rib at each point that the curb flange will overlap the rib.
 - a. This will allow the curb to be placed flat on the roof with the roof ribs protruding up through the flange notches.
6. Apply a continuous strip of 2 ½" butyl tape just inside of marked perimeter outline, including over the roof ribs.
7. Apply a bead of exterior caulk to outer edge of the butyl tape around entire perimeter
8. Place curb back down over butyl tape and exterior caulk and attach to roof using ¼" x 14" x 7/8" self tapping stitch point hydro screws. Screws should be attached at the outside perimeter of the curb at 6" minimum intervals on the side flanges and 4" minimum intervals on the top and bottom flanges.
9. Apply butyl tape and exterior caulk to the curb flange area around each notch.
10. Slide loose roof rib caps over the roof rib panels.
11. Attach roof rib caps using ¼" x 14" x 7/8" self tapping stitch point hydro screws. Number of screws needed, will vary upon size and style of cap.
12. Apply additional caulk to roof rib caps as needed
13. When curb is fully fastened spread a heavy coat of self leveling caulk over the edges of the curb flanges and exposed screw heads.

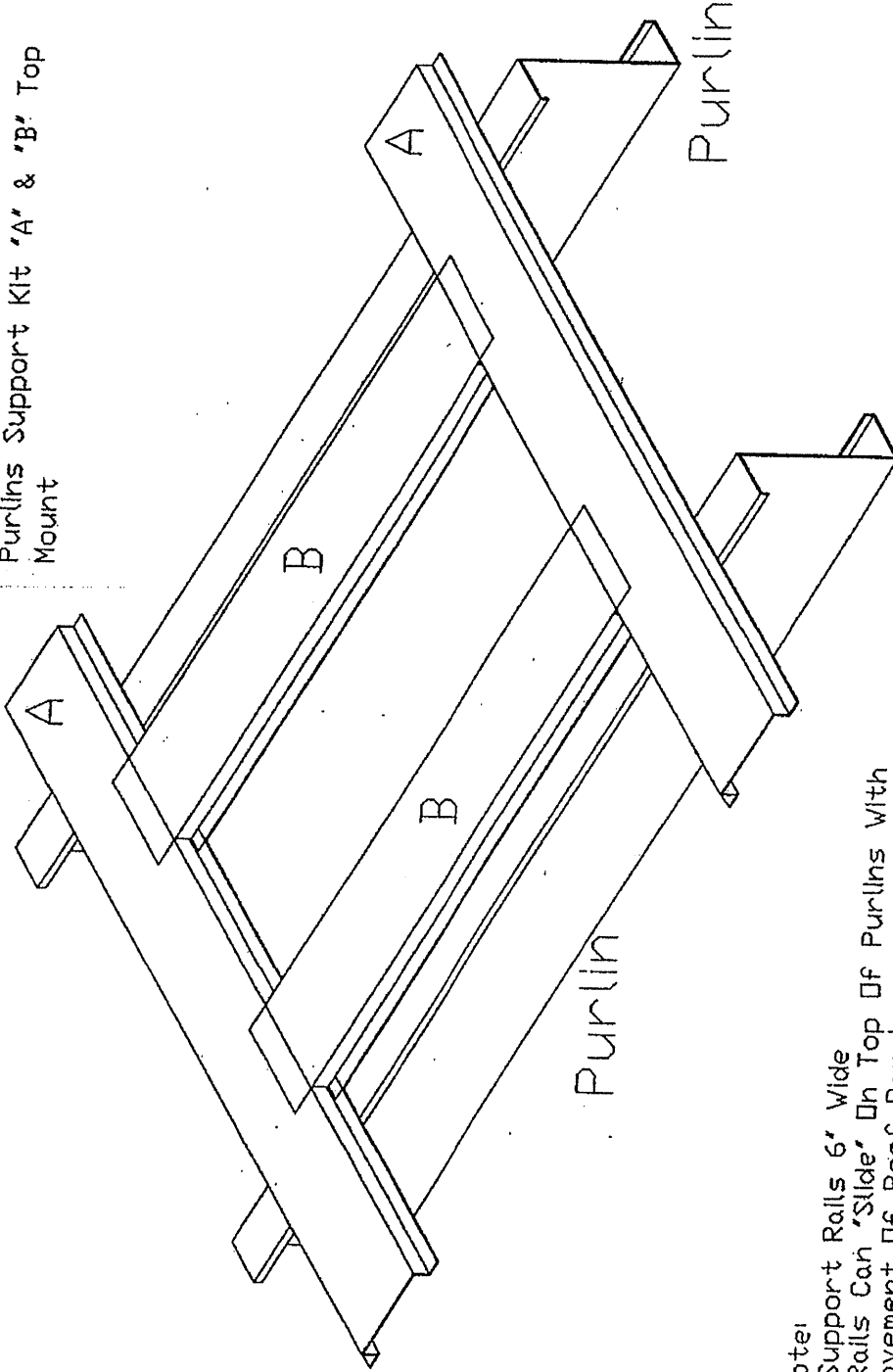


Metal Ribbed Roof - Over/Under Application – Welded or Loose Roof Rib Caps

1. Set curb on desired roof top location
2. Mark an outline of the curb
3. Remove curb
4. Cut hole in roof to within 4" of curb flange edge on top and bottom, cut width to inside dimension of curb opening.
5. Apply a continuous strip of 2 ½" butyl tape just inside of marked perimeter outline, including over the roof ribs.
6. Apply a bead of exterior caulk to outer edge of the butyl tape around entire perimeter
7. Place curb back down over butyl tape and exterior caulk, sliding peak side roof caps under metal roof panel and placing eave side roof caps over metal roof panel.
8. Attach to roof using ¼" x 14" x 7/8" self tapping stitch point hydro screws. Screws should be attached at the outside perimeter of the curb at 6" minimum intervals on the side flanges and 4" minimum intervals on the top and bottom flanges.
9. Apply additional caulk to roof rib caps as needed
10. When curb is fully fastened spread a heavy coat of self leveling caulk over the edges of the curb flanges and exposed screw heads.



Note:
Purlins Support Kit 'A' & 'B' Top
Mount



Note:
*Support Rails 6" Wide
*Rails Can "Slide" On Top Of Purlins With
Movement Of Roof Panel
*A-Purlin Supports Fabricated To 6' To
Span 5' Purlins
*B-Purlin Supports Fabricated to curb
Dimension

Custom Solution **Roof and Metal Products**

PART NAME		PART NUMBER	
Purlin Support Rail		CS-A-####	
SIZE	DATE	SCALE	REV
A	9/29/05	18 - ga	0
DRAWN BY		Eric Olson	