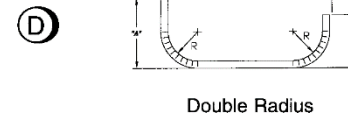
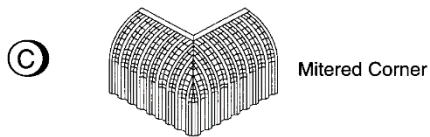
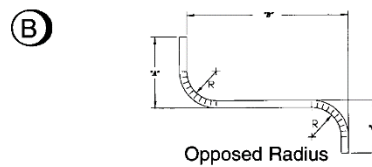
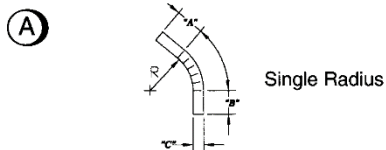
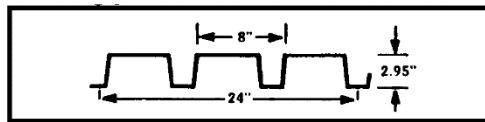


# CRIMPED CURVED PANELS

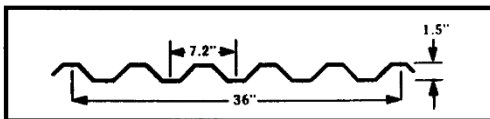


Curved Flashing i.e. Corners, Gutters, "Z's" Soffits etc. also available.

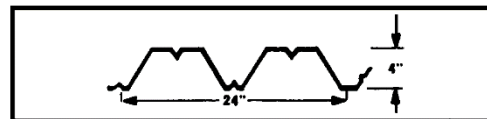
## Tooling available for following profiles\*



"N" DECK



1 1/2" x 7.2"



4" x 12"



"B" DECK

\*Tooling can be manufactured for additional profiles upon customer request.



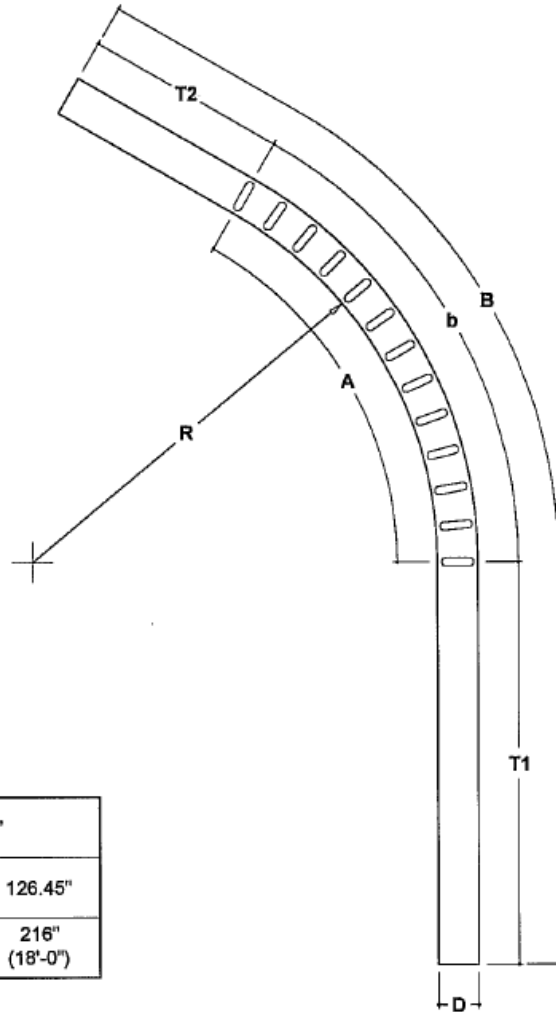
**CURVED SIDING AND ROOFING PANELS BY RPS ENGINEERING INC.**

Material	Material Thickness gage (inches)	Maximum Fy (KSI)	Minimum Panel Radius *	Standard Panel Depths	Maximum Panel Width	Standard Panel Lengths	Maximum Panel Length	Standard Panel Finishes
ALUMINUM	(0.032" - 0.050")	33	2'-0" (24")	0.50" - 4"	4'-0" (48")	3' - 30'	+ 40'	Smooth Mill Finish Painted
STEEL	20 - 26	50	2'-0" (24")	0.50" - 4"	4'-0" (48")	3' - 30'	+ 40'	G0090 Silicone Polyester Coated Kynar
STAINLESS STEEL	20 - 26	50	6'-0" (72")	0.50" - 4"	4'-0" (48")	3' - 30'	+ 40'	A.I.S.I No. 2B Cold Rolled Reflective

(\*) Minimum Panel Radius varies with profile and material thickness.

**NOMENCLATURE**

Identifier	Definition	Formula
R	inside radius	given
A	angle of curve	given
D	panel depth	given
T1	tangent 1 length	given
T2	tangent 2 length	given
b	curve length	$\frac{(R+(D/2))(3.1416)(A^\circ)}{180^\circ}$
B	panel length	T1 + T2 + b



**SAMPLE PANEL LENGTH CALCULATION**

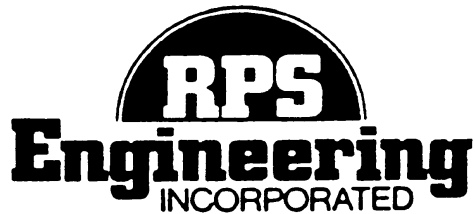
given	R=10'-0" A=60° D=1.5" T1=4'-5.5" T2=3'-0"		
b	$\frac{(R+(D/2))(3.1416)(A)}{180^\circ}$	$\frac{(120'+(1.5'/2))(3.1416)(60^\circ)}{180^\circ}$	126.45"
B	T1 + T2 + b	53.5" + 36" + 126.5"	216" (18'-0")

**R.P.S. Engineering, Inc. P.O. Box 5186 Elgin, Illinois 60121-5186**  
**(847) 931-1950 Office (800) 931-1950 Outside Illinois (847) 931-4274 Facsimile**



FLOOR AND ROOF DECK								
Profile	Type	Depth x Pitch	Nominal Gages Available	Standard Finish	Standard Lengths	Maximum Length	Fy (KSI)	Recommended Unshored Span Range
	B3A	1.5 x 6	22 - 16	PBG60	7' - 30.5'	40'	33	5' - 10'
	NA	3 x 8	22 - 16	PBG60	7' - 32'	40'	33	8' - 16'
	CA-3	3 x 12	22 - 16	PBG90	7' - 32'	40'	33	7.5' - 11.5'
	CA-4.5	4.5 x 12	20 - 16	PBG90	7' - 32'	40'	33	11.5' - 19'
	2CFA-3	3 x 12	20/18-16/16	TOP-G90	7' - 32'	40'	33	9.5' - 19'
	2CFA-4.5	4.5 x 12	20/18-16/16	PL-PBG90	7' - 32'	40'	33	13.5' - 23'
	2CFA-6	6 x 12	18/18-14/16	TOP-PBG90	7' - 30'	30'	33	19' - 24'

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## CRIMP CURVED/ROLLED PANELS



**PROJECT:** Lynx Central Station  
Orlando, Florida

**FEATURES:** 4" Deep Roof panel  
Crimp Curved to various Radii

Crimp Curved panels can add uniqueness as well as economy by increasing the strength of the panels and reducing the needed amount of structural supports. This can result in a savings in both materials and labor. This project was an ideal match up with space frame supports and the Crimp Curved metal roofing.

RPS Engineering can use our curving process to create a variety of curves using painted or unpainted galvanized, aluminum, galvalume, stainless steel and copper in gauges from 18 to 24 gauge.

RPS Engineering will curve a customer's material, or we can supply a complete package of straight and curved panels with all necessary accessories including erection drawings.

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