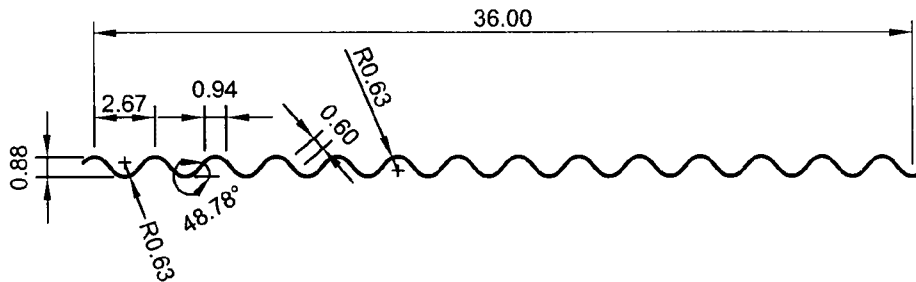
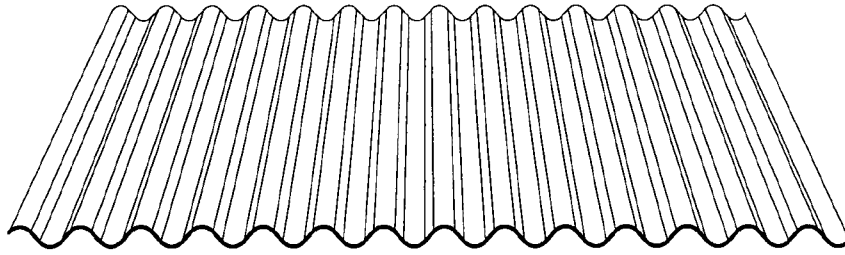


# 7/8 Corrugated

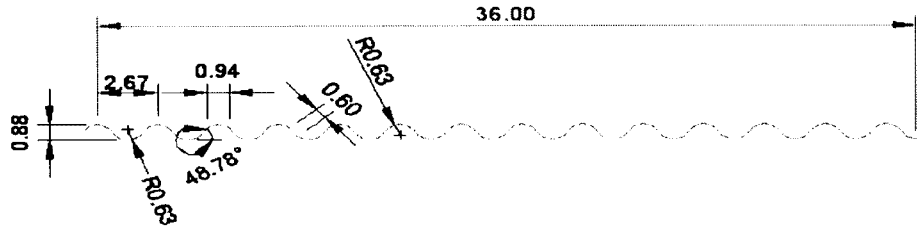


Section Properties			Top in Compression			Bott. in Compression		
gauge	fy	wt	ix	sx	ma	ix	sx	ma
	(ksi)	(psf)	(in <sup>4</sup> /ft)	(in <sup>3</sup> /ft)	(kip-in)	(in <sup>4</sup> /ft)	(in <sup>3</sup> /ft)	(kip-in)
26	80	0.92	0.0250	0.0533	1.9139	0.0247	0.0526	1.8880
24	50	1.17	0.0324	0.0704	2.5074	0.0324	0.0696	2.5009
22	50	1.49	0.0422	0.0891	3.1722	0.0422	0.0883	3.1722
20	40	1.75	0.0486	0.1079	2.5620	0.0486	0.1070	2.5620
max. deflection		180						

**NOTES:**

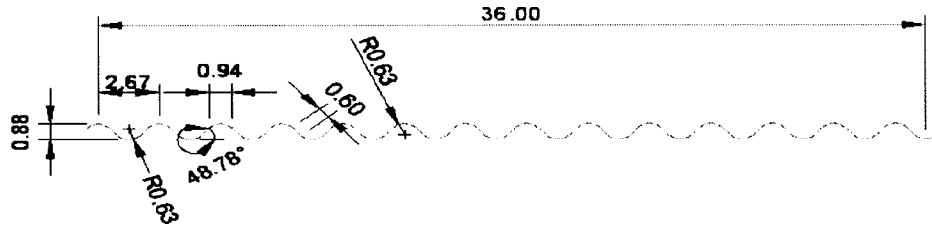
1. Effective section properties are calculated in accordance with the 2004 North American Specifications for the design of Cold-Formed Steel Structural Members
2. Ix is for the determination of deflection.
3. Sx and Ma are for stress determination.

### GRAVITY LOAD, 7/8 Corrugated



	span type	load type	Gravity - Total Allowable Load in psf, (span in feet)									
			3	3.5	4	4.5	5	6	7	8	9	10
26 Gage (Fy=80ksi)	single span	stress	141.8	104.2	79.7	63.0	51.0	35.4	26.0	19.9	15.8	12.8
		deflection	79.6	50.1	33.6	23.6	17.2	9.9	6.3	4.2	2.9	2.1
	2 spans	stress	139.9	102.7	78.7	62.2	50.3	35.0	25.7	19.7	15.5	12.6
		deflection	189.4	119.2	79.9	56.1	40.9	23.7	14.9	10.0	7.0	5.1
	3 spans or more	stress	163.2	119.9	91.8	72.5	58.8	40.8	30.0	23.0	18.1	14.7
		deflection	157.5	99.2	66.4	46.7	34.0	19.7	12.4	8.3	5.8	4.3
24 Gage (Fy=50ksi)	single span	stress	185.7	136.5	104.5	82.5	66.9	46.4	34.1	26.1	20.6	16.7
		deflection	103.1	64.9	43.5	30.6	22.3	12.9	8.1	5.4	3.8	2.8
	2 spans	stress	185.3	136.1	104.2	82.3	66.7	46.3	34.0	26.1	20.6	16.7
		deflection	248.4	156.4	104.8	73.6	53.7	31.0	19.6	13.1	9.2	6.7
	3 spans or more	stress	216.2	158.8	121.6	96.1	77.8	54.1	39.7	30.4	24.0	19.5
		deflection	206.6	130.1	87.1	61.2	44.6	25.8	16.3	10.9	7.7	5.6
22 Gage (Fy=50ksi)	single span	stress	235.0	172.6	132.2	104.4	84.6	58.7	43.2	33.0	26.1	21.1
		deflection	134.3	84.6	56.7	39.8	29.0	16.8	10.6	7.1	5.0	3.6
	2 spans	stress	235.0	172.6	132.2	104.4	84.6	58.7	43.2	33.0	26.1	21.1
		deflection	323.5	203.7	136.5	95.9	69.9	40.4	25.5	17.1	12.0	8.7
	3 spans or more	stress	274.2	201.5	154.3	121.9	98.7	68.6	50.4	38.6	30.5	24.7
		deflection	269.0	169.4	113.5	79.7	58.1	33.6	21.2	14.2	10.0	7.3
20 Gage (Fy=40ksi)	single span	stress	189.8	139.4	106.8	84.3	68.3	47.4	34.9	26.7	21.1	17.1
		deflection	154.7	97.4	65.3	45.8	33.4	19.3	12.2	8.2	5.7	4.2
	2 spans	stress	189.8	139.4	106.8	84.3	68.3	47.4	34.9	26.7	21.1	17.1
		deflection	372.6	234.6	157.2	110.4	80.5	46.6	29.3	19.6	13.8	10.1
	3 spans or more	stress	221.5	162.7	124.6	98.4	79.7	55.4	40.7	31.1	24.6	19.9
		deflection	309.8	195.1	130.7	91.8	66.9	38.7	24.4	16.3	11.5	8.4
Section Properties			Top in Compression			Bott. in Compression						
	gauge	fy	wt	ix	sx	ma	ix	sx	ma			
		(ksi)	(psf)	(in <sup>4</sup> /ft)	(in <sup>3</sup> /ft)	(kip-in)	(in <sup>4</sup> /ft)	(in <sup>3</sup> /ft)	(kip-in)			
	26	80	0.92	0.0250	0.0533	1.9139	0.0247	0.0526	1.8880			
	24	50	1.17	0.0324	0.0704	2.5074	0.0324	0.0696	2.5009			
	22	50	1.49	0.0422	0.0891	3.1722	0.0422	0.0883	3.1722			
	20	40	1.75	0.0486	0.1079	2.5620	0.0486	0.1070	2.5620			
	max. deflection		180									

### UPLIFT LOAD, 7/8 Corrugated



	span type	load type	Uplift - Total Allowable Load in psf, (span in feet)									
			3	3.5	4	4.5	5	6	7	8	9	10
26 Gage (Fy=80ksi)	single span	stress	139.9	102.7	78.7	62.2	50.3	35.0	25.7	19.7	15.5	12.6
		deflection	78.6	49.5	33.2	23.3	17.0	9.8	6.2	4.1	2.9	2.1
	2 spans	stress	141.8	104.2	79.7	63.0	51.0	35.4	26.0	19.9	15.8	12.8
		deflection	191.7	120.7	80.9	56.8	41.4	24.0	15.1	10.1	7.1	5.2
	3 spans or more	stress	165.5	121.6	93.1	73.5	59.6	41.4	30.4	23.3	18.4	14.9
		deflection	159.4	100.4	67.2	47.2	34.4	19.9	12.5	8.4	5.9	4.3
	span type	load type	Uplift - Total Allowable Load in psf, (span in feet)									
			3	3.5	4	4.5	5	6	7	8	9	10
24 Gage (Fy=50ksi)	single span	stress	185.3	136.1	104.2	82.3	66.7	46.3	34.0	26.1	20.6	16.7
		deflection	103.1	64.9	43.5	30.6	22.3	12.9	8.1	5.4	3.8	2.8
	2 spans	stress	185.7	136.5	104.5	82.5	66.9	46.4	34.1	26.1	20.6	16.7
		deflection	248.4	156.4	104.8	73.6	53.7	31.0	19.6	13.1	9.2	6.7
	3 spans or more	stress	216.8	159.3	121.9	96.3	78.0	54.2	39.8	30.5	24.1	19.5
		deflection	206.6	130.1	87.1	61.2	44.6	25.8	16.3	10.9	7.7	5.6
	span type	load type	Uplift - Total Allowable Load in psf, (span in feet)									
			3	3.5	4	4.5	5	6	7	8	9	10
22 Gage (Fy=50ksi)	single span	stress	235.0	172.6	132.2	104.4	84.6	58.7	43.2	33.0	26.1	21.1
		deflection	134.3	84.6	56.7	39.8	29.0	16.8	10.6	7.1	5.0	3.6
	2 spans	stress	235.0	172.6	132.2	104.4	84.6	58.7	43.2	33.0	26.1	21.1
		deflection	323.5	203.7	136.5	95.9	69.9	40.4	25.5	17.1	12.0	8.7
	3 spans or more	stress	274.2	201.5	154.3	121.9	98.7	68.6	50.4	38.6	30.5	24.7
		deflection	269.0	169.4	113.5	79.7	58.1	33.6	21.2	14.2	10.0	7.3
	span type	load type	Uplift - Total Allowable Load in psf, (span in feet)									
			3	3.5	4	4.5	5	6	7	8	9	10
20 Gage (Fy=40ksi)	single span	stress	189.8	139.4	106.8	84.3	68.3	47.4	34.9	26.7	21.1	17.1
		deflection	154.7	97.4	65.3	45.8	33.4	19.3	12.2	8.2	5.7	4.2
	2 spans	stress	189.8	139.4	106.8	84.3	68.3	47.4	34.9	26.7	21.1	17.1
		deflection	372.6	234.6	157.2	110.4	80.5	46.6	29.3	19.6	13.8	10.1
	3 spans or more	stress	221.5	162.7	124.6	98.4	79.7	55.4	40.7	31.1	24.6	19.9
		deflection	309.8	195.1	130.7	91.8	66.9	38.7	24.4	16.3	11.5	8.4

Section Properties			Top in Compression			Bott. in Compression		
gage	fy	wt	ix	sx	ma	ix	sx	ma
	(ksi)	(psf)	(in <sup>4</sup> /ft)	(in <sup>3</sup> /ft)	(kip-in)	(in <sup>4</sup> /ft)	(in <sup>3</sup> /ft)	(kip-in)
26	80	0.92	0.0250	0.0533	1.9139	0.0247	0.0526	1.8880
24	50	1.17	0.0324	0.0704	2.5074	0.0324	0.0696	2.5009
22	50	1.49	0.0422	0.0891	3.1722	0.0422	0.0883	3.1722
20	40	1.75	0.0486	0.1079	2.5620	0.0486	0.1070	2.5620
max. deflection		180						