

36" WIDE, MARCO METALS TUFF RIB PANEL

SINGLE SPAN CONDITION									
Span (ft)	29 Gauge & 80 ksi			26 Gauge & 80 ksi			26 Gauge & 50 ksi		
	LL (S) (psf)	LL (D) (psf)	WL (psf)	LL (S) (psf)	LL (D) (psf)	WL (psf)	LL (S) (psf)	LL (D) (psf)	WL (psf)
1	374.2	374.2	308.2	485.6	485.6	408.7	404.9	404.9	345.3
1.5	166.3	166.3	137.0	215.8	215.8	181.6	180.0	180.0	153.5
2	93.6	93.6	77.1	121.4	121.4	102.2	101.2	101.2	86.3
2.5	59.9	52.2	49.3	77.7	69.0	65.4	64.8	64.8	55.3
3	41.6	30.2	34.2	54.0	39.9	45.4	45.0	39.9	38.4
3.5	30.5	19.0	25.2	39.6	25.1	33.4	33.1	25.1	28.2
4	23.4	12.7	19.3	30.3	16.8	25.5	25.3	16.8	21.6
5	15.0	6.5	12.3	19.4	8.6	16.3	16.2	8.6	13.8
TWO SPAN CONDITION									
Span (ft)	29 Gauge & 80 ksi			26 Gauge & 80 ksi			26 Gauge & 50 ksi		
	LL (S) (psf)	LL (D) (psf)	WL (psf)	LL (S) (psf)	LL (D) (psf)	WL (psf)	LL (S) (psf)	LL (D) (psf)	WL (psf)
1	278.2	278.2	323.8	366.8	366.8	419.3	306.8	306.8	346.3
1.5	130.5	130.5	155.1	172.6	172.6	201.1	145.1	145.1	166.9
2	75.0	75.0	89.9	99.2	99.2	116.5	83.6	83.6	96.9
2.5	48.4	48.4	58.3	64.2	64.2	75.7	54.1	54.1	63.0
3	33.8	33.8	40.8	44.8	44.8	53.0	37.8	37.8	44.1
3.5	24.9	24.8	30.1	33.0	32.7	39.1	27.9	27.9	32.6
4	19.1	16.6	23.1	25.4	21.9	30.0	21.4	21.4	25.0
5	12.3	8.5	14.9	16.3	11.2	19.3	13.7	11.2	16.1
THREE OR MORE SPAN CONDITION									
Span (ft)	29 Gauge & 80 ksi			26 Gauge & 80 ksi			26 Gauge & 50 ksi		
	LL (S) (psf)	LL (D) (psf)	WL (psf)	LL (S) (psf)	LL (D) (psf)	WL (psf)	LL (S) (psf)	LL (D) (psf)	WL (psf)
1	316.6	316.6	365.3	417.0	417.0	472.9	348.0	348.0	389.8
1.5	150.5	150.5	178.0	198.9	198.9	230.6	167.0	167.0	191.1
2	86.9	86.9	103.8	115.0	115.0	134.6	96.8	96.8	111.8
2.5	56.3	56.3	67.6	74.6	74.6	87.7	62.8	62.8	73.0
3	39.4	39.4	47.4	52.2	52.2	61.5	44.0	44.0	51.2
3.5	29.0	29.0	35.1	38.5	38.5	45.5	32.5	32.5	37.9
4	22.3	22.3	27.0	29.6	29.6	35.0	24.9	24.9	29.1
5	14.3	12.3	17.3	19.0	16.3	22.5	16.0	16.0	18.7

Notes:

- * Theoretical allowable loads are based on uniform span lengths
- * LL (S) is allowable live load based on stress limitation
- * LL (D) is allowable live load based on deflection limitation of L/180
- * WL is allowable wind load and has not been increased by 33-1/3%