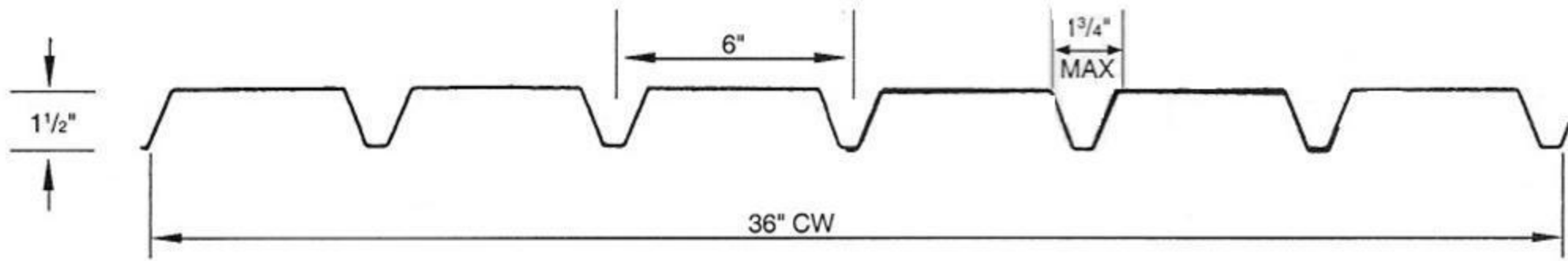


# TYPE "F" INTERMEDIATE RIB DECK



## SECTION PROPERTIES FY=33 KSI

DECK TYPE	DESIGN THICKNESS	WT. PSF GALV	WT. PSF PNTD	I <sup>P</sup> IN. <sup>4</sup>	I <sup>N</sup> IN. <sup>4</sup>	S <sup>P</sup> IN. <sup>3</sup>	S <sup>N</sup> IN. <sup>3</sup>
22	.0295 IN.	1.61	1.54	.130	.154	.135	.144
20	.0358 IN.	1.95	1.88	.168	.187	.169	.174
18	.0474 IN.	2.56	2.47	.240	.246	.226	.228

DECK-SPAN	TYPE	DECK SUPPORT SPACING (FT.-IN.)						POUNDS PER SQUARE FOOT				
		4-0	4-6	5-0	5-6	6-0	6-6	7-0	7-6	8-0	8-6	9-0
SIMPLE	22	109	87	70	58	49	42	35				
	20	136	107	87	72	61	51	34	39			
	18	184	145	118	98	82	68	56	48	41	36	
DOUBLE	22	120	95	77	64	54	46	40	35			
	20	145	115	93	77	65	55	48	41	37		
	18	190	150	122	101	85	72	62	54	48	42	36
TRIPLE OR MORE	22	150	119	96	80	67	57	49	43	38		
	20	181	143	117	96	81	69	60	52	46	40	36
	18	238	188	152	126	107	90	78	68	60	53	47

## LOAD TABLES AND SECTION PROPERTIES GENERATED BY THE SDI.

- Roof deck section properties calculated in accordance with the AISI "Specification for the design of Cold-Formed Steel Structural Members."
- Roof decks loads computed in accordance with the SDI bending moment and deflection formulas.
- Loads shown in tables are uniformly distributed total (dead plus live) loads in pounds per square foot. Loads in shaded area are governed by the live load deflection not in excess of L/240. The dead load included is 10 psf. All other loads are governed by the allowable flexural stress limit of 20,000 psi for 33,000 psi minimum yield.
- Span lengths are considered center-to-center spacing of supports.
- Spans which extend beyond the heavy vertical line in the load tables exceed the "Recommended Maximum spans for Construction and Maintenance Loads" shown on page 21.
- Where heavy construction loads or other unusual concentrated loads are anticipated during the lifetime of the deck, the specified live load must be increased to offset the effects of the abnormal concentrated loading.