


Section Properties FY=33KSI

Deck Type	Design Thickness	WT. PSF (GALV)	WT. PSF (PNTD)	I _p IN. ⁴	I _N IN. ⁴	S _p IN. ³	S _N IN. ³
22	.0295	1.61	1.54	.162	.195	.205	.215
20	.0358	1.95	1.88	.252	.239	.262	.255
18	.0474	2.56	2.47	.305	.315	.340	.344
16	.0598	3.20	3.10	.380	.380	.402	402

Deck Support Spacing
Pounds per Square Foot

Deck Span	Type	Deck Support Spacing										
		5-0	5-6	6-0	6-6	7-0	7-6	8-0	8-6	9-0	9-6	10-0
Simple	22	95	74	59	49	41	36					
	20	121	93	74	61	51	43	37				
	18	170	130	103	83	69	58	49	43	36		
	16		158	125	101	84	70	59	51	45	39	35
Double	22	106	88	74	63	54	47	42	37			
	20	138	113	95	81	70	61	37	47	42	38	
	18	184	152	127	109	94	82	79	64	56	49	44
	16		177	150	128	111	97	59	77	69	61	55

TYPE "BV" SHALL BE VENTED IN LOWER FLUTES WITH A .5% OPEN AREA. .75% AND 1.5% OPEN AREAS AVAILABLE UPON REQUEST.
 LOAD TABLES AND SECTION PROPERTIES GENERATED BY THE SDI. STANDARD COVER WIDTH IS 36"

1. Roof deck section properties calculated in accordance with the ANSI "Specification for the design of Cold-Formed Steel Structural Members".
2. Roof deck loads computed in accordance with the SDI bending moment and deflection formulas.
3. 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.
4. Span lengths are considered center-to-center spacing of supports.
5. Spans which extend beyond the heavy vertical line in load tables exceed the "Recommended Maximum spans for Construction and Maintenance Loads"
6. 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.