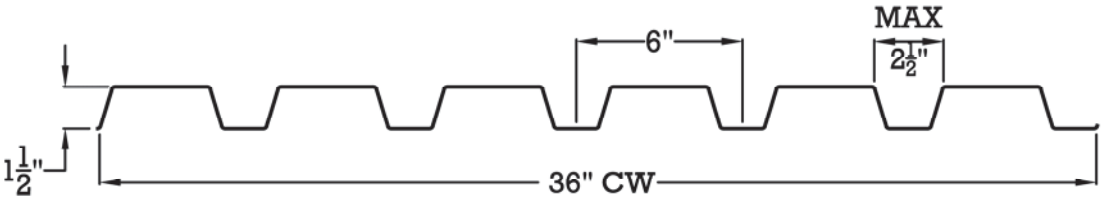
MARLYN STEEL DECKS, INC

TYPE “B” WIDE RIB DECK
TYPE “BV” WIDE RIB SLOT VENTED DECK
TYPE “BA” WIDE RIB ACOUSTICAL DECK



SECTION PROPERTIES MIN. FY=33 KSI
ALSO AVAILABLE IN STAINLESS STEEL (304 & 316L)

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 IN.	1.61	1.54	.162	.196	.205	.215
20	.0358 IN.	1.95	1.88	.252	.239	.262	.255
18	.0474 IN.	2.56	2.47	.305	.315	.340	.344
16	.0598 IN.	3.20	3.10	.380	.380	.402	.402

DECK-SPAN	DECK TYPE	DECK SUPPORT SPACING (FT.-IN.) POUNDS PER SQUARE FOOT										
		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	38	*	*
	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	49	64	56	49	44
	16	*	177	150	128	111	97	59	77	69	61	55
TRIPLE OR MORE	22	132	110	92	75	62	52	45	39	35	*	*
	20	170	141	117	94	77	65	55	48	42	38	*
	18	*	190	159	131	107	89	78	65	56	49	44
	16	*	*	186	159	135	118	101	86	75	65	57

TYPE “BV” SHALL BE VENTED IN LOWER FLUTES WITH A .5% OPEN AREA. .75% AND 1.5% OPEN AREA AVAILABLE UPON REQUEST.
TYPE “BA” DECK HSALL BE PERFORATED IN THE WEBS WITH 5/32” DIAMETER HOLES STAGGERED 3/8” ON CENTER.
LOAD TABLES AND SECTION PROPERTIES WERE GENERATED BY THE SDI. STANDARD COVER WIDTH IS 36”

1. Roof deck section properties calculated in accordance with the AISI “Specification for the design of Cold-Formed Steel Structural Members.”
2. Roof decks loads computed in accordance with the SDI bending moment and deflection formulas.
3. Loads shown in tables are uniformly distributed total (dead plus) 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 the load tables exceed the “Recommended Maximum spans for Construction and Maintenance Loads” shown on page 30.
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.