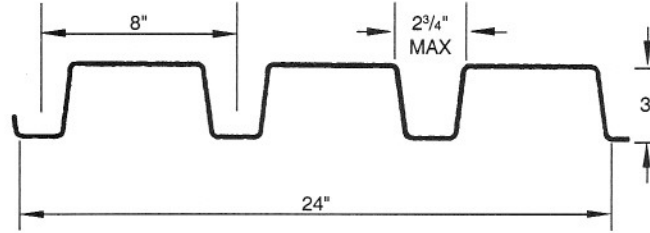


TYPE "N" DEEP RIB DECK
TYPE "NV" DEEP RIB SLOT VENTED DECK
TYPE "NA" DEEP RIB ACOUSTICAL DECK



SECTION PROPERTIES $FY=33$ KSI

DECK TYPE	DESIGN THICKNESS	WT PSF	I^P IN. ⁴	I^N IN. ⁴	S^P IN. ³	S^N IN. ³
22	.0295 IN.	2.02	.619	.803	.396	.419
20	.0358 IN.	2.45	.799	.991	.493	.521
18	.0474 IN.	3.24	1.166	1.342	.677	.710
16	.0598 IN.	4.08	1.586	1.70	.876	.899

DECK-SPAN	TYPE	DECK SUPPORT SPACING (FT.-IN.)								POUNDS PER SQUARE FOOT					
		8-0	8-6	9-0	9-6	10-0	10-6	11-0	11-6	12-0	12-6	13-0	13-6	14-0	14-6
SIMPLE	22	76	67	60	54	49	44	40	37	34	31	29	27	25	23
	20	98	87	78	70	63	57	52	48	44	40	37	34	32	30
	18	135	120	107	96	86	78	71	65	60	55	51	47	44	41
	16	176	155	138	124	112	102	93	85	78	72	66	62	57	53
DOUBLE	22	83	74	66	59	53	48	44	40	37	34	32	29	27	25
	20	104	92	82	74	67	60	55	50	46	43	39	37	34	32
	18	143	126	113	101	91	83	75	69	63	58	54	50	47	43
	16	184	163	146	131	118	107	97	89	82	75	70	65	60	56
TRIPLE OR MORE	22	104	92	82	74	67	60	55	50	46	43	39	37	34	32
	20	130	115	103	92	83	76	69	63	58	53	49	46	42	40
	18	178	158	141	126	114	103	94	86	79	73	67	63	58	54
	16	230	204	182	163	147	134	122	111	102	94	87	81	75	70

TYPE "NV" SHALL BE VENTED IN THE LOWER FLUTES WITH A .5% OPEN AREA. "NV" NOT AVAILABLE IN 16 GA.

TYPE "NA" DECK SHALL BE PERFORATED IN THE WEBS WITH 5/32" DIAMETER HOLES STAGGERED 3/8" ON CENTER.

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.