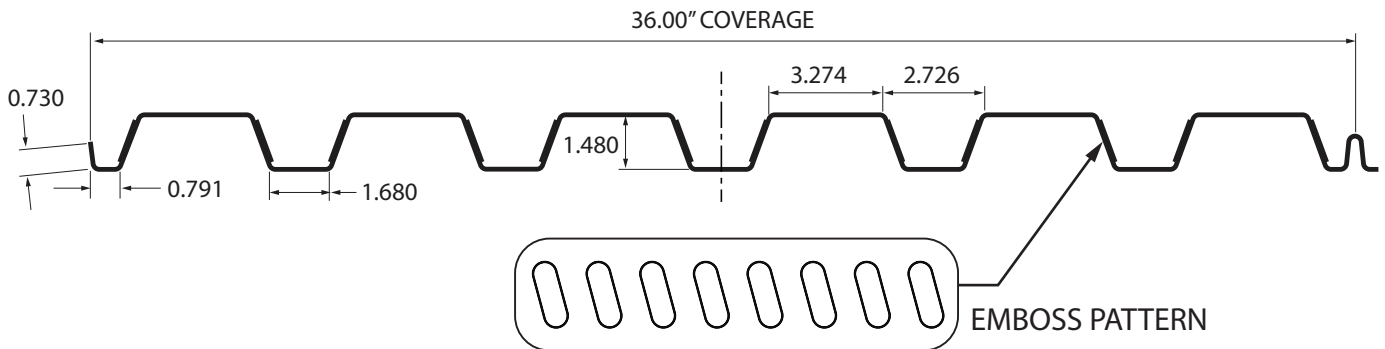
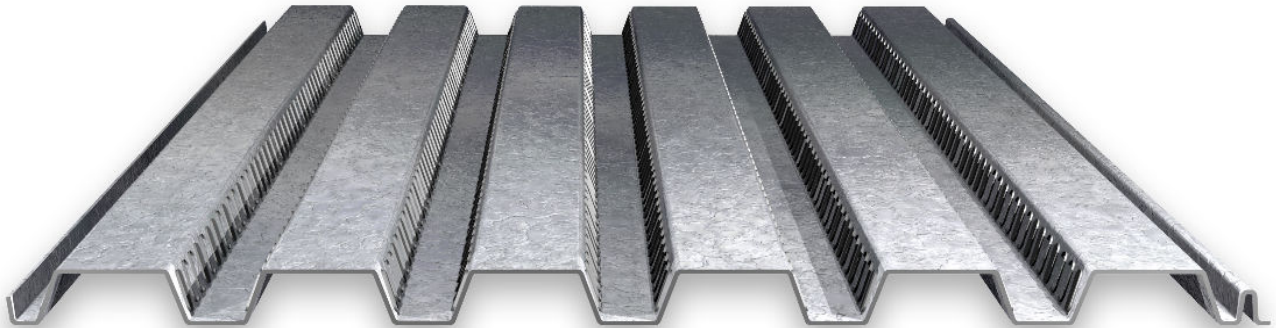


AT A GLANCE:

- 36" coverage
- 1.5" rib
- Standard 22 ga., available in 22 ga., 20 ga., 18 ga., & 16 ga.
- Grade 50, G60 standard stock coil
- Prime painted steel or G90 galvanized special order



BI - Deck is used for heavy- duty form decks to support concrete deck. Available in 16 ga., 18 ga., 20 ga. and 22 ga. galvanized.

GRADE 50 STEEL, G60

Section Properties

Gauge	Design Thickness (inches)	Weight (psf)	F _y ksi	S _{O+} (inch ³) per ft	S _{e-} (inch ³) per ft	ASD (Ω=1.67)		I _{d+} (inch ⁴) per ft	I _{d-} (inch ⁴) per ft
						M _p /Ω inch-lbs per ft	M _n /Ω inch-lbs per ft		
22	0.0295	1.6	50	0.170	0.179	5101	5358	0.144	0.167
20	0.0358	2.0	50	0.216	0.222	6457	6661	0.182	0.210
18	0.0474	2.6	50	0.294	0.310	8812	9291	0.257	0.290
16	0.0598	3.0	50	0.378	0.390	11327	11667	0.341	0.363

Note: All section properties and ASD flexural strengths are calculated in accordance with ANSI/SDI RD-2017, AISI S100-2012 and AISI S100-2016

Shear and Web Crippling

Gauge	V _n /Ω lbs/ft	Web Crippling (R _n /Ω) lbs/ft One Flange Loading End Bearing			Web Crippling (R _n /Ω) lbs/ft One Flange Loading Interior Bearing		
		1.5"	2.0"	3.0"	1.5"	2.0"	3.0"
22	2424	801	880	1013	1096	1189	1345
20	3803	1143	1253	1436	1605	1735	1953
18	5032	1914	2087	2377	2773	2983	3334
16	6219	2931	3183	3606	4345	4654	5172

Note: All section properties and ASD flexural strengths are calculated in accordance with ANSI/SDI RD-2017, AISI S100-2012 and AISI S100-2016

Allowable Uniform Downward Loads, ASD (PSF)

Span	Gauge	5'-0"	5'-6"	6'-0"	6'-6"	7'-0"	7'-6"	8'-0"	8'-6"	9'-0"	9'-6"	10'-0"
Single	22	136	112	94	80	69	60	53	47	42	38	34
	20	172	142	120	102	88	77	67	60	53	48	43
	18	235	194	163	139	120	104	92	81	73	65	59
	16	302	250	210	179	154	134	118	105	93	84	76
Double	22	143	118	99	85	73	64	56	49	44	40	36
	20	178	147	123	105	91	79	69	61	55	49	44
	18	248	205	172	147	126	110	97	86	76	69	62
	16	311	257	216	184	159	138	122	108	96	86	78
Triple	22	179	148	124	106	91	79	70	62	55	49	45
	20	222	183	154	131	113	99	87	77	69	62	56
	18	310	256	215	183	158	138	121	107	96	86	77
	16	389	321	270	230	198	173	152	135	120	108	97