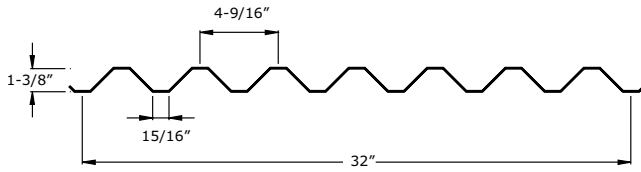
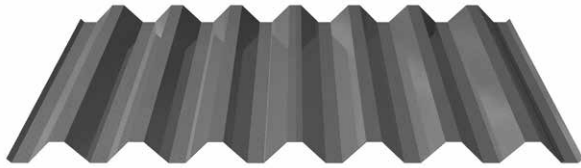


6.4 C1.4-32



Panel Properties

Gage	Panel Properties				Gross Section Properties				
	Weight	Base Metal Thickness	Yield Strength	Tensile Strength	Area	Moment of Inertia	Distance to N.A. from Bottom	Section Modulus	Radius of Gyration
26	1.1	0.0195	80	82	0.302	0.079	0.67	0.118	0.512
24	1.4	0.0254	80	82	0.393	0.103	0.67	0.153	0.511
22	1.7	0.0314	80	82	0.485	0.128	0.67	0.188	0.511
20	2.0	0.0374	80	82	0.576	0.150	0.68	0.222	0.510
18	2.6	0.0480	40	55	0.737	0.191	0.68	0.280	0.509

Gage	Effective Section Modulus at F _y					Effective Moment of Inertia for Deflection			
	Compression	Bending				Moment of Inertia	Moment of Inertia	Uniform Load Only	
	Area	Section Modulus	Distance to N.A. from Bottom	Section Modulus	Distance to N.A. from Bottom			I _d = (2I _e +I _g)/3	
A _e in ² /ft	S _e ⁺ in ³ /ft	y _b in	S _e ⁻ in ³ /ft	y _b in	I _e ⁺ in ⁴ /ft	I _e ⁻ in ⁴ /ft	I ₊ in ⁴ /ft	I ₋ in ⁴ /ft	
26	0.172	0.101	0.65	0.106	0.69	0.078	0.078	0.079	0.078
24	0.265	0.139	0.67	0.141	0.68	0.103	0.103	0.103	0.103
22	0.367	0.175	0.68	0.174	0.67	0.128	0.128	0.128	0.128
20	0.473	0.206	0.68	0.206	0.68	0.150	0.150	0.150	0.150
18	0.722	0.261	0.68	0.261	0.68	0.191	0.191	0.191	0.191

Reactions at Supports (plf) Based on Web Crippling

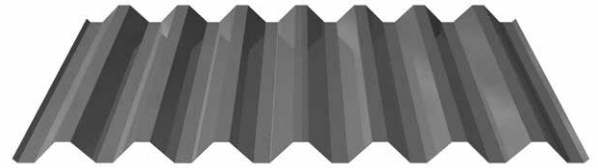
Gage	Condition	Bearing Length of Webs							
		Allowable (R _n /Ω)				Factored (ΦR _n)			
		1"	2"	4"	6"	1"	2"	4"	6"
26	End	315	399	517	522	482	610	791	798
	Interior	559	686	865	873	855	1049	1324	1335
24	End	533	668	858	959	815	1021	1313	1467
	Interior	936	1136	1419	1568	1432	1738	2171	2399
22	End	807	1003	1280	1439	1235	1535	1958	2201
	Interior	1410	1696	2101	2333	2158	2595	3214	3569
20	End	1134	1399	1773	1988	1735	2140	2713	3042
	Interior	1974	2357	2898	3209	3021	3606	4434	4909
18	End	1223	1493	1875	2094	1871	2284	2868	3204
	Interior	2124	2508	3052	3364	3250	3838	4669	5147

Web Crippling Constraints

h=1.82"

r=0.125"

θ=45°



Inward Allowable (f_b/Ω) and Factored (Φf_b) Distributed Load (lbs/ft²)

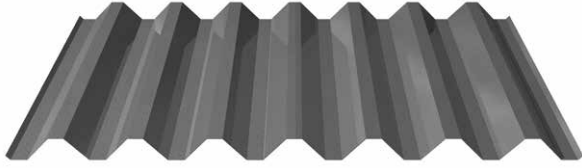
Gage	Span	Limit Condition	Panel Span (Support Spacing)									
			2' - 0"	2' - 6"	3' - 0"	3' - 6"	4' - 0"	4' - 6"	5' - 0"	5' - 6"	6' - 0"	
26	SS	f_b / Ω	603	386	268	197	151	119	96	80	67	
		Φf_b	957	612	425	312	239	189	153	126	106	
		L/360	430	220	127	80	54	38	27	21	16	
			L/240	-	330	191	120	81	57	41	31	24
	DS	f_b / Ω	637	408	283	208	159	126	102	84	71	
		Φf_b	1010	647	449	330	253	200	162	134	112	
		L/360	-	-	-	193	129	91	66	50	38	
			L/240	-	-	-	-	-	99	75	57	
	TS	f_b / Ω	796	509	354	260	199	157	127	105	88	
Φf_b		1263	808	561	412	316	249	202	167	140		
L/360		-	485	281	177	118	83	61	46	35		
		L/240	-	-	-	-	-	91	68	53		
24	SS	f_b / Ω	832	533	370	272	208	164	133	110	92	
		Φf_b	1320	845	587	431	330	261	211	175	147	
		L/360	561	287	166	105	70	49	36	27	21	
			L/240	-	431	249	157	105	74	54	40	31
	DS	f_b / Ω	843	540	375	275	211	167	135	111	94	
		Φf_b	1338	856	595	437	334	264	214	177	149	
		L/360	-	-	-	252	169	119	87	65	50	
			L/240	-	-	-	-	-	130	98	75	
	TS	f_b / Ω	1054	675	468	344	263	208	169	139	117	
Φf_b		1672	1070	743	546	418	330	268	221	186		
L/360		-	634	367	231	155	109	79	60	46		
		L/240	-	-	-	-	-	119	89	69		
22	SS	f_b / Ω	1045	669	465	341	261	206	167	138	116	
		Φf_b	1658	1061	737	542	415	328	265	219	184	
		L/360	697	357	206	130	87	61	45	33	26	
			L/240	1045	535	310	195	131	92	67	50	39
	DS	f_b / Ω	1043	668	464	341	261	206	167	138	116	
		Φf_b	1655	1059	736	540	414	327	265	219	184	
		L/360	-	-	-	313	210	147	107	81	62	
			L/240	-	-	-	-	-	161	121	93	
	TS	f_b / Ω	1304	835	580	426	326	258	209	172	145	
Φf_b		2069	1324	920	676	517	409	331	274	230		
L/360		-	787	455	287	192	135	98	74	57		
		L/240	-	-	-	-	-	148	111	85		
20	SS	f_b / Ω	1235	791	549	403	309	244	198	163	137	
		Φf_b	1960	1254	871	640	490	387	314	259	218	
		L/360	819	420	243	153	102	72	52	39	30	
			L/240	1229	629	364	229	154	108	79	59	46
	DS	f_b / Ω	1235	791	549	403	309	244	198	163	137	
		Φf_b	1960	1254	871	640	490	387	314	259	218	
		L/360	-	-	-	368	247	173	126	95	73	
			L/240	-	-	-	-	-	189	142	110	
	TS	f_b / Ω	1544	988	686	504	386	305	247	204	172	
Φf_b		2450	1568	1089	800	612	484	392	324	272		
L/360		-	926	536	337	226	159	116	87	67		
		L/240	-	-	-	-	-	174	130	100		
18	SS	f_b / Ω	1043	668	464	341	261	206	167	138	116	
		Φf_b	1655	1059	736	541	414	327	265	219	184	
		L/360	-	535	310	195	131	92	67	50	39	
			L/240	-	-	-	-	-	100	75	58	
	DS	f_b / Ω	1043	668	464	341	261	206	167	138	116	
		Φf_b	1655	1059	736	541	414	327	265	219	184	
		L/360	-	-	-	-	-	-	161	121	93	
			L/240	-	-	-	-	-	-	-	-	
	TS	f_b / Ω	1304	835	580	426	326	258	209	172	145	
Φf_b		2069	1324	920	676	517	409	331	274	230		
L/360		-	-	-	-	-	-	148	111	85		
		L/240	-	-	-	-	-	-	166	128		

C PANELS

6.6 C1.4-32

Normal Weight Concrete (145 pcf)

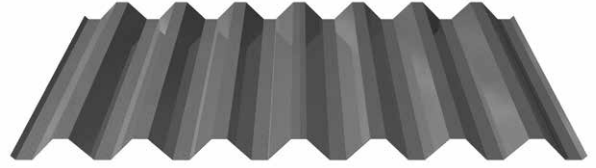
Maximum Unshored Spans



C1.4-32 Shoring Table

Total Slab Depth (in)	145 pcf Normal Weight Concrete					
	Volume cy/100sf	Gage	Slab and Deck psf	Maximum Unshored Span		
				Single	Double	Triple
3	0.714	26	29.0	5' - 3"	6' - 5"	6' - 3"
		24	29.3	6' - 6"	7' - 10"	7' - 10"
		22	29.6	7' - 0"	8' - 11"	8' - 8"
		20	29.9	7' - 4"	9' - 8"	9' - 1"
		18	30.5	7' - 8"	8' - 10"	9' - 1"
3.5	0.868	26	35.1	5' - 0"	6' - 1"	6' - 0"
		24	35.4	6' - 2"	7' - 5"	7' - 5"
		22	35.7	6' - 7"	8' - 5"	8' - 2"
		20	36.0	6' - 11"	9' - 2"	8' - 7"
		18	36.5	7' - 3"	8' - 4"	8' - 6"
4	1.022	26	41.1	4' - 10"	5' - 10"	5' - 8"
		24	41.4	5' - 10"	7' - 0"	7' - 1"
		22	41.7	6' - 4"	8' - 0"	7' - 9"
		20	42.0	6' - 8"	8' - 9"	8' - 2"
		18	42.6	6' - 10"	8' - 0"	8' - 1"
4.5	1.177	26	47.1	4' - 7"	5' - 7"	5' - 6"
		24	47.4	5' - 8"	6' - 9"	6' - 9"
		22	47.8	6' - 0"	7' - 8"	7' - 5"
		20	48.1	6' - 4"	8' - 4"	7' - 10"
		18	48.6	6' - 7"	7' - 8"	7' - 9"
5	1.331	26	53.2	4' - 5"	5' - 5"	5' - 3"
		24	53.5	5' - 5"	6' - 5"	6' - 6"
		22	53.8	5' - 10"	7' - 4"	7' - 2"
		20	54.1	6' - 2"	8' - 0"	7' - 7"
		18	54.7	6' - 4"	7' - 4"	7' - 5"
5.5	1.485	26	59.2	4' - 3"	5' - 2"	5' - 1"
		24	59.5	5' - 3"	6' - 3"	6' - 3"
		22	59.8	5' - 7"	7' - 1"	6' - 11"
		20	60.2	5' - 11"	7' - 8"	7' - 4"
		18	60.7	6' - 1"	7' - 1"	7' - 2"
6	1.640	26	65.3	4' - 2"	5' - 0"	4' - 11"
		24	65.6	5' - 1"	6' - 0"	6' - 0"
		22	65.9	5' - 5"	6' - 10"	6' - 9"
		20	66.2	5' - 9"	7' - 5"	7' - 1"
		18	66.8	5' - 11"	6' - 10"	6' - 11"
6.5	1.794	26	71.3	4' - 0"	4' - 11"	4' - 9"
		24	71.6	4' - 11"	5' - 10"	5' - 10"
		22	71.9	5' - 4"	6' - 8"	6' - 7"
		20	72.2	5' - 7"	7' - 2"	6' - 11"
		18	72.8	5' - 8"	6' - 7"	6' - 8"

C1.4-32 6.6
Light Weight Concrete (110 pcf)
Maximum Unshored Spans



C1.4-32 Shoring Table

Total Slab Depth (in)	110 pcf Normal Weight Concrete					
	Volume cy/100sf	Gage	Slab and Deck psf	Maximum Unshored Span		
				Single	Double	Triple
3	0.714	26	22.3	5' - 8"	7' - 0"	6' - 10"
		24	22.6	7' - 2"	8' - 6"	8' - 7"
		22	22.9	7' - 8"	9' - 8"	9' - 5"
		20	23.2	8' - 1"	10' - 6"	9' - 11"
		18	23.8	8' - 4"	9' - 7"	9' - 11"
3.5	0.868	26	26.9	5' - 5"	6' - 8"	6' - 6"
		24	27.2	6' - 9"	8' - 1"	8' - 1"
		22	27.5	7' - 3"	9' - 2"	8' - 11"
		20	27.8	7' - 7"	10' - 0"	9' - 5"
		18	28.3	7' - 11"	9' - 1"	9' - 4"
4	1.022	26	31.4	5' - 2"	6' - 4"	6' - 3"
		24	31.7	6' - 5"	7' - 9"	7' - 9"
		22	32.1	6' - 11"	8' - 9"	8' - 6"
		20	32.4	7' - 3"	9' - 6"	9' - 0"
		18	32.9	7' - 6"	8' - 9"	8' - 11"
4.5	1.177	26	36.0	5' - 0"	6' - 1"	6' - 0"
		24	36.3	6' - 2"	7' - 5"	7' - 5"
		22	36.6	6' - 7"	8' - 5"	8' - 2"
		20	37.0	7' - 0"	9' - 2"	8' - 7"
		18	37.5	7' - 3"	8' - 4"	8' - 6"
5	1.331	26	40.6	4' - 10"	5' - 11"	5' - 9"
		24	40.9	5' - 11"	7' - 1"	7' - 2"
		22	41.2	6' - 4"	8' - 1"	7' - 10"
		20	41.5	6' - 8"	8' - 10"	8' - 3"
		18	42.1	6' - 11"	8' - 1"	8' - 2"
5.5	1.485	26	45.2	4' - 8"	5' - 9"	5' - 7"
		24	45.5	5' - 9"	6' - 10"	6' - 11"
		22	45.8	6' - 2"	7' - 10"	7' - 7"
		20	46.1	6' - 6"	8' - 6"	8' - 0"
		18	46.7	6' - 8"	7' - 10"	7' - 11"
6	1.640	26	49.8	4' - 7"	5' - 6"	5' - 5"
		24	50.1	5' - 7"	6' - 8"	6' - 8"
		22	50.4	6' - 0"	7' - 7"	7' - 5"
		20	50.7	6' - 4"	8' - 3"	7' - 9"
		18	51.3	6' - 6"	7' - 7"	7' - 8"
6.5	1.794	26	54.4	4' - 5"	5' - 5"	5' - 3"
		24	54.7	5' - 5"	6' - 5"	6' - 6"
		22	55.0	5' - 10"	7' - 4"	7' - 2"
		20	55.3	6' - 1"	8' - 0"	7' - 7"
		18	55.8	6' - 4"	7' - 4"	7' - 5"