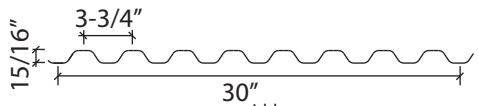
STEEL OPTIONS Design Values for Safe Uniform Total Load Capacity

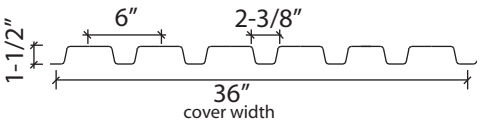
Heavy Duty



Finish Options: C D — See Note 2

Span Condition	Loadmaster Designation	Center to Center Spacing of Structural Supports											
		4'0"	4'6"	5'0"	5'6"	6'0"	6'6"	7'0"	7'6"				
2	HD-25	121	96	72	58	48	40	---	---				
	HD-24	123	98	74	60	52	44	38	---				
	HD-22	140	119	100	82	67	55	49	41				

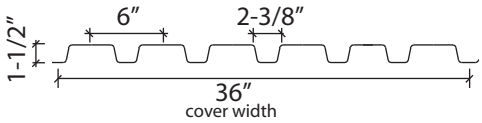
Pyro Span



Finish Options: A B C D E* — See Notes 3 & 5

Span Condition	Loadmaster Designation	Center to Center Spacing of Structural Supports											
		5'0"	5'6"	6'0"	6'6"	7'0"	7'6"	8'0"	8'6"	9'0"	9'6"	10'0"	
3	PS-22	127	105	88	75	65	56	50	44	39	35	31	
	PS-20	157	130	109	93	80	70	61	54	47	41	37	
	PS-18	209	173	145	124	107	93	82	70	61	53	47	
	PS-16	265	219	184	157	135	118	102	87	75	65	57	

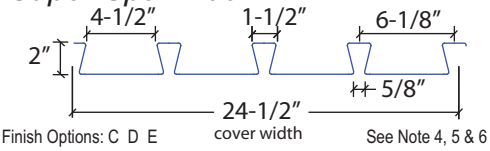
Super Span 150



Finish Options: A B C D E* — See Notes 2 & 5

Span Condition	Loadmaster Designation	Center to Center Spacing of Structural Supports											
		5'0"	5'6"	6'0"	6'6"	7'0"	7'6"	8'0"	8'6"	9'0"	9'6"	10'0"	
3	SS150-22	146	121	102	87	75	65	58	51	46	41	37	
	SS150-20	182	151	127	109	94	82	72	64	57	51	46	
	SS150-18	244	203	171	146	126	110	97	86	76	69	62	
	SS150-16	309	256	216	184	159	139	122	108	97	87	78	

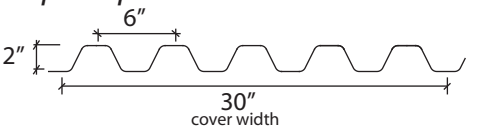
Super Span 200R



Finish Options: C D E — See Note 4, 5 & 6

Span Condition	Loadmaster Designation	Center to Center Spacing of Structural Supports											
		7'0"	7'6"	8'0"	8'6"	9'0"	9'6"	10'0"	10'6"	11'0"	12'0"		
3	SS200R-20	125	109	96	85	76	68	61	56	51	43		
	SS200R-18	169	148	130	115	102	92	83	75	68	55		
	SS200R-16	218	190	167	148	132	119	107	94	83	66		

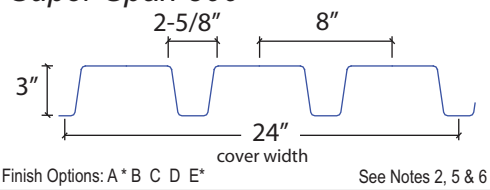
Super Span 200



Finish Options: A B C D E — See Notes 2, 5 & 6

Span Condition	Loadmaster Designation	Center to Center Spacing of Structural Supports											
		9'0"	9'6"	10'0"	10'6"	11'0"	11'6"	12'0"					
3	SS200-22	80	71	62	55	49	44	41					
	SS200-20	100	86	75	66	59	53	51					
	SS200-18	138	119	104	91	80	72	65					

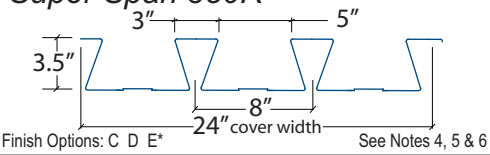
Super Span 300



Finish Options: A * B C D E* — See Notes 2, 5 & 6

Span Condition	Loadmaster Designation	Center to Center Spacing of Structural Supports											
		9'6"	10'0"	10'6"	11'0"	11'6"	12'0"	12'6"	13'0"	13'6"	14'0"	14'6"	15'0
3	SS300-22	78	70	64	58	53	49	36	33	31	29		
	SS300-20	100	90	82	74	68	63	46	43	40	37		
	SS300-18	138	125	113	103	94	87	64	59	55	51		
	SS300-16	168	151	137	125	114	105	77	71	66	61		

Super Span 350R



Finish Options: C D E* — See Notes 4, 5 & 6

Span Condition	Loadmaster Designation	Center to Center Spacing of Structural Supports											
		12'0"	13'0"	14'0"	15'0"	16'0"	17'0"	18'0"	19'0"	20'0"	21'0"		
2	SS350R-20	67	57	50	43	38	34	30					
	SS350R-18	101	86	74	64	57	50	45	40	36	33		
	SS350R-16	140	119	103	89	79	70	62	56	50	46		

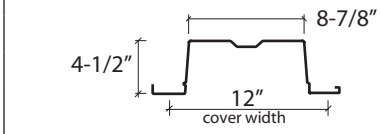
Coating Options: A = White Primer Coating B = Gray Primer Coating C = G-60 Galvanized Coating D = G-90 Galvanized Coating E = White Primer Over G-60 Galvanized Coating

1. Steel section physical properties were computed in accordance with the specifications section of the "Light Gauge Cold-Formed Steel Design Manual", published by the American Iron and Steel Institute (AISI), and also conform to design specifications of the Steel Deck Institute.
2. All values, expressed in pounds per square foot (psf), are based on a uniformly loaded Loadmaster Basic Assembly constructed on a two-span condition per empirical data derived from tests conducted and certified by Southwestern Laboratories, inc., Dallas, Texas. Total loads include 10 psf dead load. Depending upon the support spacing, the loads shown are governed by either L/240 live load deflection limit or an allowable flexural stress of 36,000 psi. This steel has a minimum yield strength of 80,000 psi.
3. Total loads include 10 psf dead load. Depending upon the support spacing, the loads shown are governed by either L/240 live load deflection limit or an alowable flexural stress of 20,000 psi. This steel has a minimum yield strength of 33,000 psi.
4. Total loads include 10 psf dead load. Depending upon the support spacing, the loads shown are governed by either L/240 live load deflection limit or an alowable flexural stress of 24,000 psi. This steel has a minimum yield strength of 40,000 psi.
5. Acoustical steel sections sustain 95% of the loads printed on this table.
6. Adequate end bearing and internal support bearing are necessary for the steel sheet to develop the flexural capacity as shown above. The project design professional can determine the required bearing length using the AISI "Light Gauge Cold-Formed Steel Design Manual" or the published allowable end reactions shown in the Loadmaster Diaphragm Design Manual. Bearing length determination and design is not the responsibliity of Loadmaster Systems, Inc. Adequate bearing design responsibility lies with the project design professional.

* minimum quantity restrictions - contact Loadmaster for details.

STEEL OPTIONS Design Values for Safe Uniform Total Load Capacity

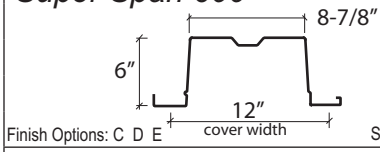
Super Span 450



Finish Options: C D E — See Notes 2, 3 & 4

Span Condition	Loadmaster Designation	Center to Center Spacing of Structural Supports											
		14'0"	15'0"	16'0"	17'0"	18'0"	19'0"	20'0"	21'0"	22'0"	23'0"	24'0"	25'0"
2	SS450-20	69	64	55	47	41							
	SS450–18	105	88	74	64	55	49	43					
	SS450-16	137	114	96	82	71	62	55	48	42			
	SS450-14	170	141	118	101	87	76	67	58	50	44		

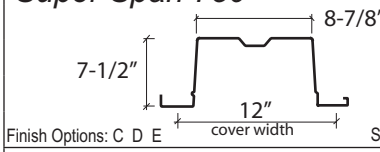
Super Span 600



Finish Options: C D E — See Notes 2, 3 & 4

Span Condition	Loadmaster Designation	Center to Center Spacing of Structural Supports											
		16'0"	17'0"	18'0"	19'0"	20'0"	21'0"	22'0"	23'0"	24'0"	25'0"	26'0"	27'0"
1	SS600-18	114	107	96	83	73	62	54	47	41			
	SS600-16	171	145	124	107	94	80	68	59	52	46	41	
	SS200-14	212	180	154	133	116	98	84	72	63	56	50	45

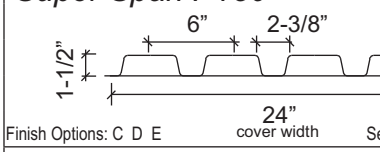
Super Span 750



Finish Options: C D E — See Notes 2, 3 & 4

Span Condition	Loadmaster Designation	Center to Center Spacing of Structural Supports											
		18'0"	19'0"	20'0"	21'0"	22'0"	23'0"	24'0"	25'0"	26'0"	27'0"	28'0"	29'0"
1	SS750-18	95	90	85	81	78	70	61	54	48	43		
	SS750-16	166	157	148	124	105	90	78	68	60	54	48	40
	SS750-14	240	211	183	153	130	111	96	84	74	66	59	48

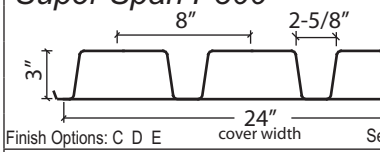
Super Span P150



Finish Options: C D E — See Notes 2, 3 & 4

Span Condition	Loadmaster Designation	Center to Center Spacing of Structural Supports											
		6'0"	6'6"	7'0"	7'6"	8'0"	8'6"	9'0"	9'6"	10'0"	10'6"	11'0"	
2	SSP150-20/20	170	145	125	109	95	85	75	68	61	55	50	
	SSP150-18/18	220	187	162	141	124	110	98	88	79	72	65	
	SSP150-16/16	272	232	200	174	153	136	121	109	98	89	81	

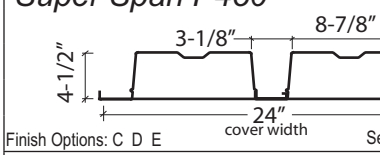
Super Span P300



Finish Options: C D E — See Notes 2, 3 & 4

Span Condition	Loadmaster Designation	Center to Center Spacing of Structural Supports											
		9'0"	9'6"	10'0"	10'6"	11'0"	11'6"	12'0"	12'6"	13'0"	13'6"	14'0"	14'6"
2	SSP300-20/20	125	118	112	107	102	96	88	81	75	69	65	60
	SSP300-18/18	210	191	172	156	142	130	119	110	102	94	88	82
	SSP300-16/16	271	243	219	199	181	166	152	140	130	120	112	104

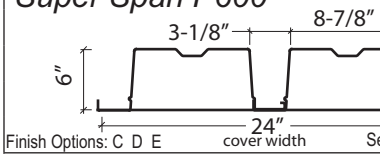
Super Span P450



Finish Options: C D E — See Notes 2, 3 & 4

Span Condition	Loadmaster Designation	Center to Center Spacing of Structural Supports											
		14'0"	15'0"	16'0"	17'0"	18'0"	19'0"	20'0"	21'0"	22'0"	23'0"	24'0"	26'0"
1	SSP450-18/18	137	123	104	89	77	67	59	51	45			
	SSP450-16/16	207	162	136	116	100	87	77	66	57	50	44	
	SSP450-14/16	231	191	160	136	117	101	89	76	66	57	51	41

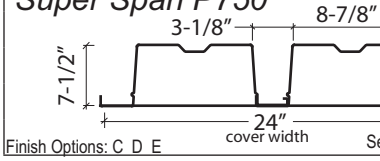
Super Span P600



Finish Options: C D E — See Notes 2, 3 & 4

Span Condition	Loadmaster Designation	Center to Center Spacing of Structural Supports											
		18'0"	19'0"	20'0"	21'0"	22'0"	23'0"	24'0"	26'0"	28'0"	30'0"		
1	SSP600-18/18	101	96	91	84	72	63	55	43				
	SSP600-16/16	173	149	130	110	93	81	70	55	41			
	SSP600-14/16	203	175	152	128	109	94	82	64	51	43		

Super Span P750



Finish Options: C D E — See Notes 2, 3 & 4

Span Condition	Loadmaster Designation	Center to Center Spacing of Structural Supports											
		20'0"	21'0"	22'0"	23'0"	24'0"	26'0"	28'0"	30'0"	32'0"	34'0"		
1	SSP750-18/18	85	81	78	74	71	62	50	41				
	SSP750-16/16	149	142	136	122	105	81	64	52	44			
	SSP750-14/16	237	198	167	143	123	94	74	60	50	43		

See note on preceding page.

Coating Options: A = White Primer Coating B = Gray Primer Coating C = G-60 Galvanized Coating D = G-90 Galvanized Coating E = White Primer Over G-60 Galvanized Coating

1. Steel section physical properties were computed in accordance with the specifications section of the "Light Gauge Cold-Formed Steel Design Manual", published by the American Iron and Steel Institute (AISI), and also conform to design specifications of the Steel Deck Institute.
2. Total loads include 7 psf dead load. Depending upon the support spacing, the loads shown are governed by either L/240 live load deflection limit, end bearing reactions (4"), intermediate bearing reactions (6") or, where structural support spacing is over 20'-0", deflection is limited to 1" maximum or an allowable flexural stress of 20,000 psi. This steel has a minimum yield strength of 33,000 psi.
3. Acoustical steel sections sustain 95% of the loads printed on this table.
4. Adequate end bearing and internal support bearing are necessary for the steel sheet to develop the flexural capacity as shown above. The project design professional can determine the required bearing length using the AISI "Light Gauge Cold-Formed Steel Design Manual" or the published allowable end reactions shown on pages 6 & 7 of the Loadmaster Diaphragm Design Manual. Bearing length determination and design is not the responsibliity of Loadmaster Systems, Inc. Adequate bearing design responsibility lies with the project design professional.

* minimum quantity restrictions - contact Loadmaster for details.