CATALOG CONTENTS

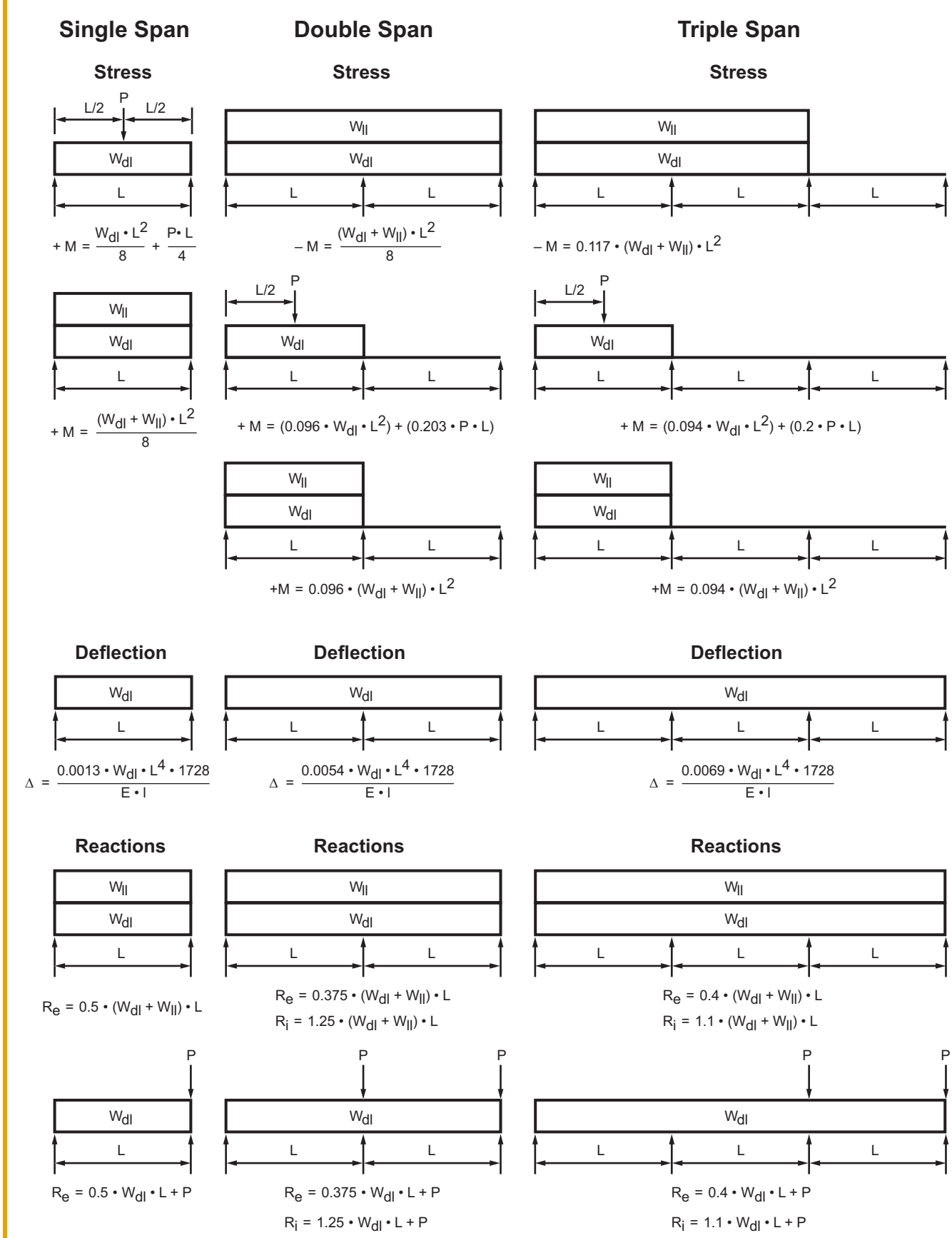
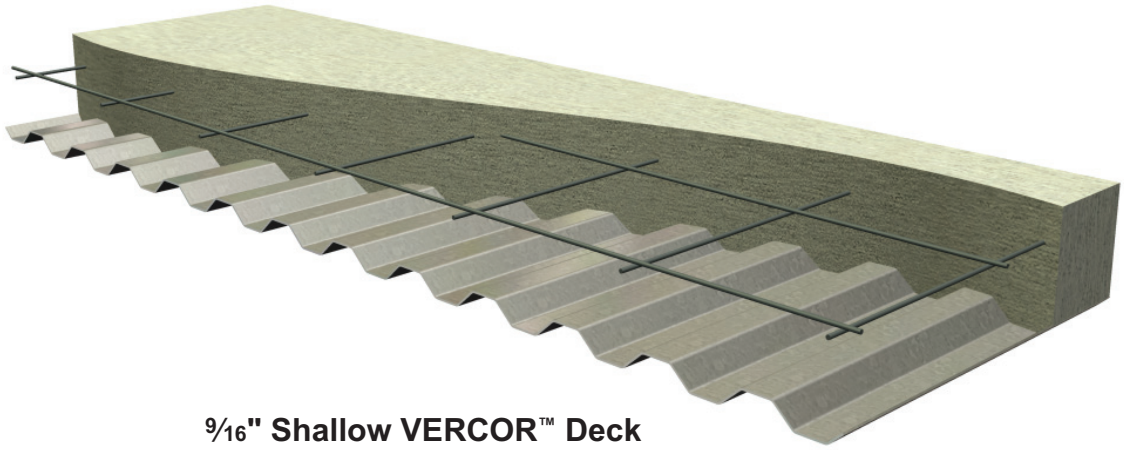
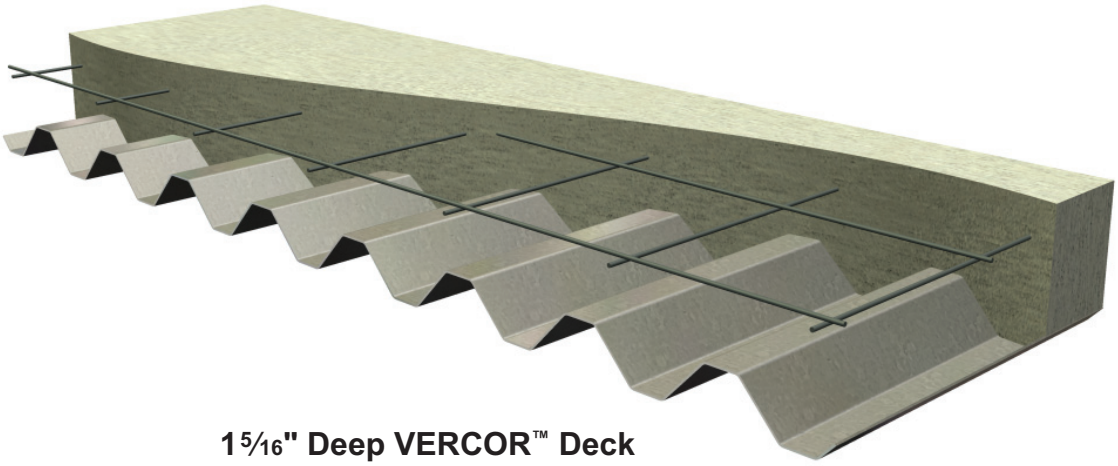

Single Span
Double Span
Triple Span
Stress
Stress
Stress
P
L/2
L/2
W_{dl}
W_{ll}
L
$+ M = \frac{W_{dl} \cdot L^2}{8} + \frac{P \cdot L}{4}$
$- M = \frac{(W_{dl} + W_{ll}) \cdot L^2}{8}$
$- M = 0.117 \cdot (W_{dl} + W_{ll}) \cdot L^2$
$+ M = \frac{(W_{dl} + W_{ll}) \cdot L^2}{8}$
$+ M = (0.096 \cdot W_{dl} \cdot L^2) + (0.203 \cdot P \cdot L)$
$+ M = (0.094 \cdot W_{dl} \cdot L^2) + (0.2 \cdot P \cdot L)$
$+M = 0.096 \cdot (W_{dl} + W_{ll}) \cdot L^2$
$+M = 0.094 \cdot (W_{dl} + W_{ll}) \cdot L^2$
Deflection
Deflection
Deflection
$\Delta = \frac{0.0013 \cdot W_{dl} \cdot L^4 \cdot 1728}{E \cdot I}$
$\Delta = \frac{0.0054 \cdot W_{dl} \cdot L^4 \cdot 1728}{E \cdot I}$
$\Delta = \frac{0.0069 \cdot W_{dl} \cdot L^4 \cdot 1728}{E \cdot I}$
Reactions
Reactions
Reactions
$R_e = 0.5 \cdot (W_{dl} + W_{ll}) \cdot L$
$R_e = 0.375 \cdot (W_{dl} + W_{ll}) \cdot L$
$R_i = 1.25 \cdot (W_{dl} + W_{ll}) \cdot L$
$R_e = 0.4 \cdot (W_{dl} + W_{ll}) \cdot L$
$R_i = 1.1 \cdot (W_{dl} + W_{ll}) \cdot L$
$R_e = 0.5 \cdot W_{dl} \cdot L + P$
$R_e = 0.375 \cdot W_{dl} \cdot L + P$
$R_i = 1.25 \cdot W_{dl} \cdot L + P$
$R_e = 0.4 \cdot W_{dl} \cdot L + P$
$R_i = 1.1 \cdot W_{dl} \cdot L + P$

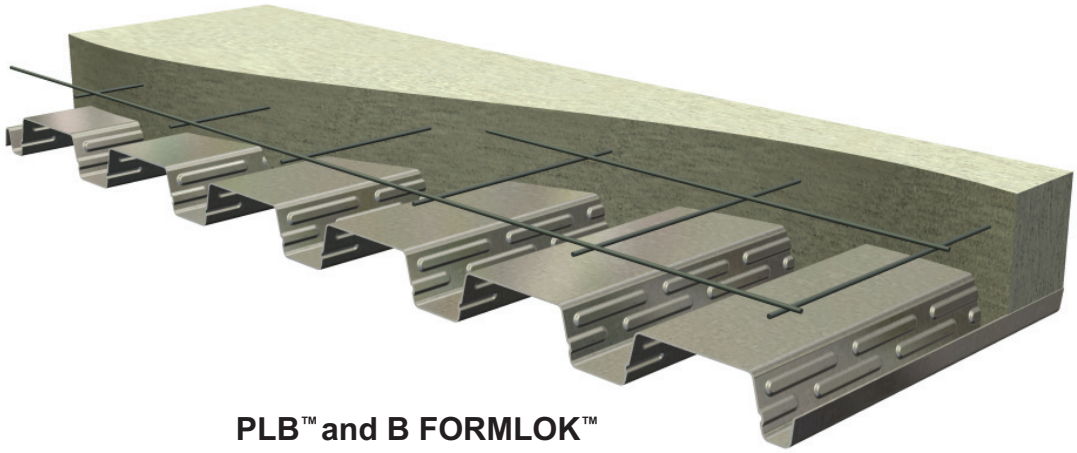
FIGURE 9



9⁄16" Shallow VERCOR™ Deck



1 5⁄16" Deep VERCOR™ Deck

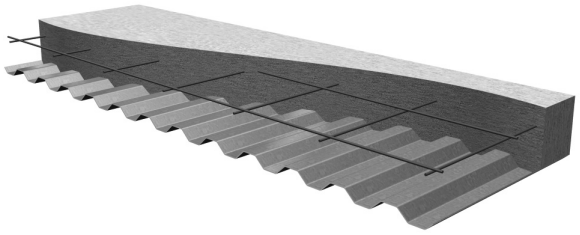


PLB™ and B FORMLOK™

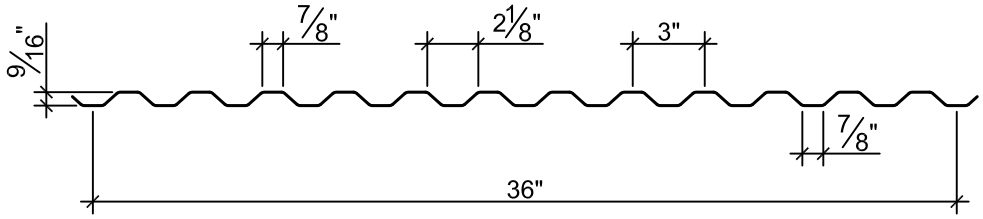
SHALLOW & DEEP VERCOR, PLB & B FORMLOK CONTENTS

Shallow VERCOR™

- 9/16" Deep Deck
- Galvanized



Dimensions



Shallow VERCOR

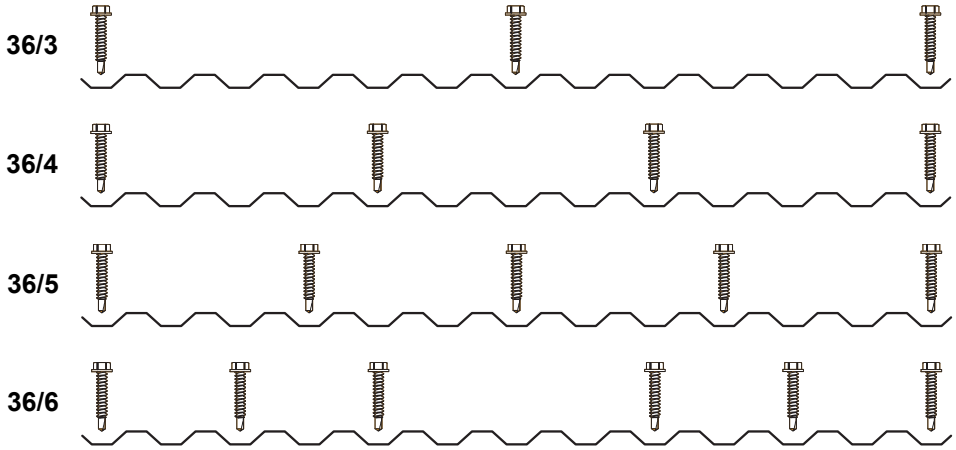
Standard Overlapping Sidelap

Deck Weight and Section Properties

Gage	Weight	I_d for Deflection		Moment		Allowable Reactions per ft of Width (lb) due to Web Crippling One Flange Loading				Two Flange Loading			
	Galv	Single Span	Multi Span	$+S_{eff}$	$-S_{eff}$	End Bearing Length		Interior Bearing Length		End Bearing Length		Interior Bearing Length	
	(psf)	($in.^4$/ft)	($in.^4$/ft)	($in.^3$/ft)	($in.^3$/ft)	1 1/2"	2"	1 1/2"	2"	1 1/2"	2"	1 1/2"	2"
26	1.0	0.013	0.013	0.041	0.043	581	644	788	862	536	582	963	1061
24	1.3	0.018	0.018	0.059	0.059	980	1081	1375	1497	999	1080	1709	1875
22	1.6	0.022	0.022	0.073	0.073	1466	1611	2105	2283	1598	1721	2645	2889

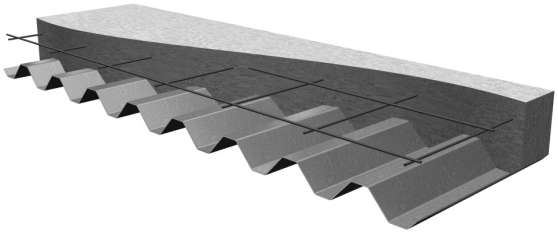
Notes:
1. Section properties are based on F_y = 60,000 psi (specified minimum F_y = 80,000 psi).
2. I_d is for deflection due to uniform loads.
3. S_{eff} (+ or -) is the effective section modulus.
4. Allowable (ASD) reactions are based on web crippling, per AISI S100 Section C3.4, where Ω_w = 1.70 for end bearing and 1.75 for interior bearing. Nominal reactions may be determined by multiplying the table values by Ω_w. LRFD reactions may be determined by multiplying nominal reactions by ϕ_w = 0.9 for end reactions and 0.85 for interior reactions.

Attachment Patterns to Supports

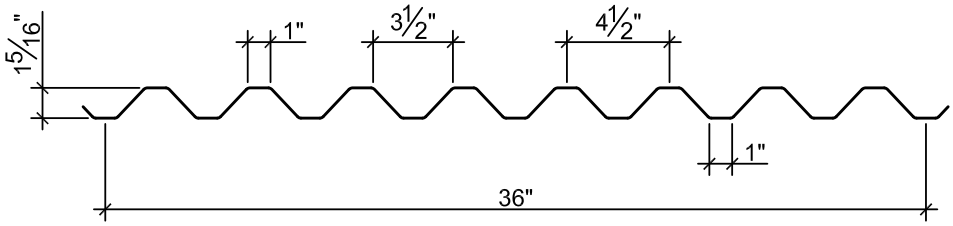


Deep VERCOR™

- 1 5/16" Deep Deck
- Galvanized



Dimensions



Deep VERCOR

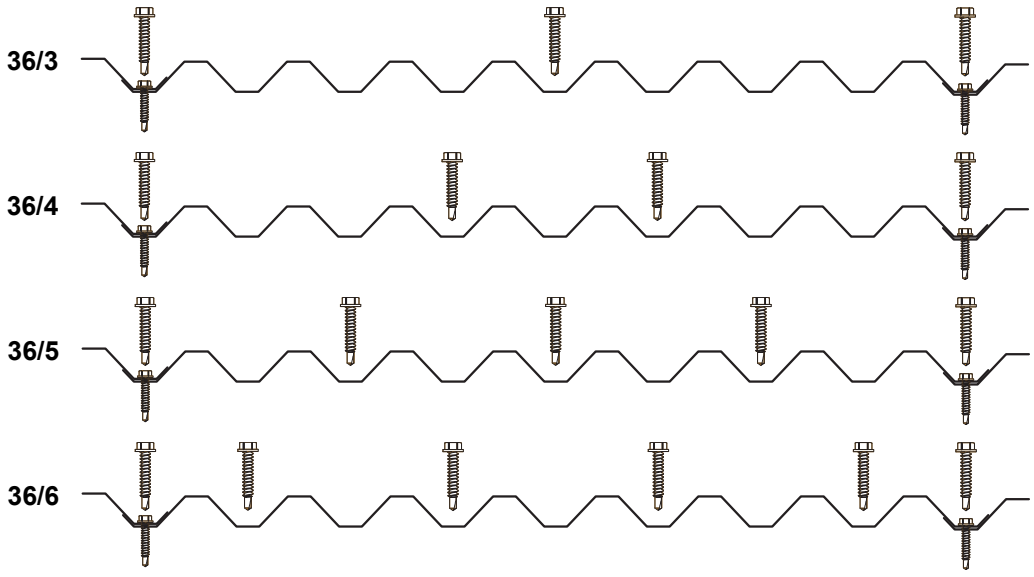
Standard Overlapping Sidelap

Deck Weight and Section Properties

Gage	Weight	I_d for Deflection		Moment		Allowable Reactions per ft of Width (lb) due to Web Crippling One Flange Loading					Two Flange Loading				
	Galv	Single Span	Multi Span	$+S_{eff}$	$-S_{eff}$	End Bearing Length			Interior Bearing Length		End Bearing Length			Interior Bearing Length	
	(psf)	($in.^4$/ft)	($in.^4$/ft)	($in.^3$/ft)	($in.^3$/ft)	2"	3"	4"	3"	4"	2"	3"	4"	3"	4"
26	1.1	0.075	0.075	0.099	0.103	492	572	639	829	916	421	477	524	973	1082
24	1.4	0.097	0.097	0.137	0.138	802	927	1032	1366	1503	762	857	937	1642	1819
22	1.7	0.120	0.120	0.172	0.171	1184	1361	1510	2029	2225	1208	1351	1472	2479	2737
20	2.1	0.143	0.143	0.204	0.204	1628	1864	2064	2807	3069	1751	1950	2118	3467	3817

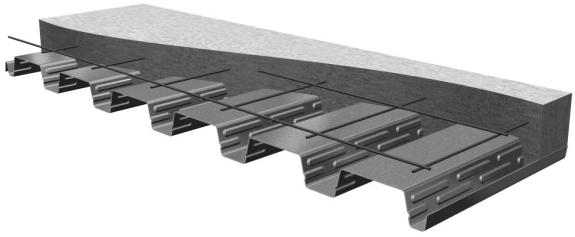
Notes:
1. Section properties are based on F_y = 60,000 psi (specified minimum F_y = 80,000 psi).
2. I_d is for deflection due to uniform loads.
3. S_{eff} (+ or -) is the effective section modulus.
4. Allowable (ASD) reactions are based on web crippling, per AISI S100 Section C3.4, where Ω_w = 1.70 for end bearing and 1.75 for interior bearing. Nominal reactions may be determined by multiplying the table values by Ω_w. LRFD reactions may be determined by multiplying nominal reactions by ϕ_w = 0.9 for end reactions and 0.85 for interior reactions.

Attachment Patterns to Supports

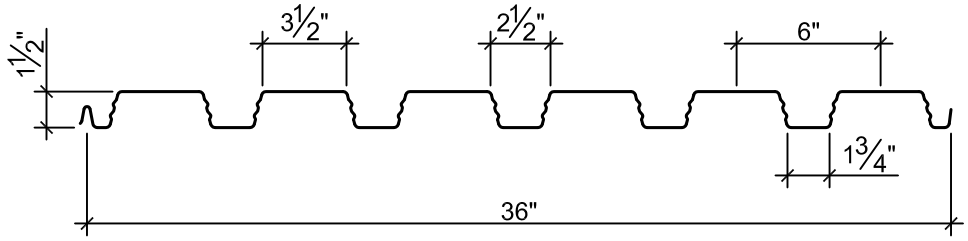


PLB™ or B FORMLOK™

- 1½" Deep Deck
- Primer Painted or Galvanized



Dimensions



Standard Interlocking Sidelap

Screw Fastened Sidelap

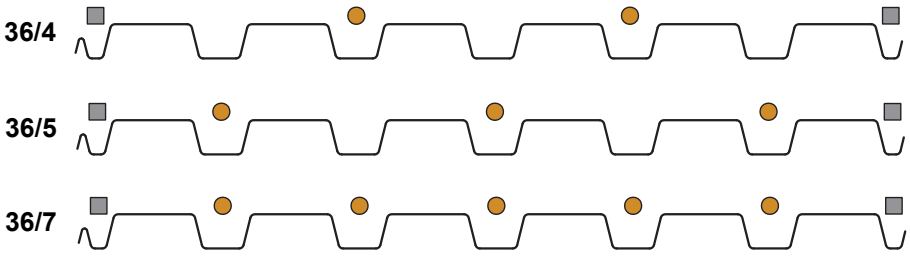
Deck Weight and Section Properties

Gage	Weight		I_d for Deflection		Moment		Allowable Reactions per ft of Width (lb) due to Web Crippling One Flange Loading					Two Flange Loading				
	Galv	Painted	Single Span	Multi Span	$+S_{eff}$	$-S_{eff}$	End Bearing Length			Interior Bearing Length		End Bearing Length			Interior Bearing Length	
	(psf)	(psf)	($in.^4$/ft)	($in.^4$/ft)	($in.^3$/ft)	($in.^3$/ft)	2"	3"	4"	3"	4"	2"	3"	4"	3"	4"
22	1.9	1.8	0.177	0.192	0.176	0.188	935	1076	1163	1559	1671	962	1078	1150	1935	2084
20	2.3	2.2	0.219	0.231	0.230	0.237	1301	1492	1609	2190	2340	1413	1576	1675	2744	2947
18	2.9	2.8	0.302	0.306	0.314	0.331	2181	2484	2667	3714	3950	2551	2823	2987	4713	5038
16	3.5	3.4	0.381	0.381	0.399	0.410	3265	3699	3955	5607	5938	4018	4422	4660	7168	7631

Notes:

1. Section properties are based on F_y = 50,000 psi.
2. I_d is for deflection due to uniform loads.
3. S_{eff} (+ or -) is the effective section modulus.
4. Allowable (ASD) reactions are based on web crippling, per AISI S100 Section C3.4, where Ω_w = 1.70 for end bearing and 1.75 for interior bearing. Nominal reactions may be determined by multiplying the table values by Ω_w. LRFD reactions may be determined by multiplying nominal reactions by Φ_w = 0.90 for end reactions and 0.85 for interior reactions.

Attachment Patterns to Supports



Shallow VERCOR™

Allowable Uniform Loads (psf)

Span	Deck Gage	Criteria	Span (ft-in.)										
			1'-0"	1'-6"	2'-0"	2'-6"	3'-0"	3'-6"	4'-0"	4'-6"	5'-0"	5'-6"	6'-0"
SINGLE	26	Stress	300	300	246	157	109	80	62	49	39	33	27
		L/360	♦♦♦	169	71	36	21	13	9	6	5	3	3
		L/240	♦♦♦	253	107	55	32	20	13	9	7	5	4
		L/180	♦♦♦	♦♦♦	142	73	42	27	18	12	9	7	5
	24	Stress	300	300	300	227	157	116	89	70	57	47	39
		L/360	♦♦♦	233	98	50	29	18	12	9	6	5	4
		L/240	♦♦♦	♦♦♦	148	76	44	28	18	13	9	7	5
		L/180	♦♦♦	♦♦♦	197	101	58	37	25	17	13	9	7
	22	Stress	300	300	300	280	195	143	110	87	70	58	49
		L/360	♦♦♦	285	120	62	36	22	15	11	8	6	4
		L/240	♦♦♦	♦♦♦	181	92	54	34	23	16	12	9	7
		L/180	♦♦♦	♦♦♦	241	123	71	45	30	21	15	12	9
DOUBLE	26	Stress	300	300	258	165	115	84	65	51	41	34	29
		L/360	♦♦♦	♦♦♦	171	88	51	32	21	15	11	8	6
		L/240	♦♦♦	♦♦♦	257	132	76	48	32	23	16	12	10
		L/180	♦♦♦	♦♦♦	♦♦♦	♦♦♦	101	64	43	30	22	16	13
	24	Stress	300	300	300	227	157	116	89	70	57	47	39
		L/360	♦♦♦	♦♦♦	237	121	70	44	30	21	15	11	9
		L/240	♦♦♦	♦♦♦	♦♦♦	182	105	66	44	31	23	17	13
		L/180	♦♦♦	♦♦♦	♦♦♦	♦♦♦	141	88	59	42	30	23	18
	22	Stress	300	300	300	280	195	143	110	87	70	58	49
		L/360	♦♦♦	♦♦♦	290	148	86	54	36	25	19	14	11
		L/240	♦♦♦	♦♦♦	♦♦♦	223	129	81	54	38	28	21	16
		L/180	♦♦♦	♦♦♦	♦♦♦	♦♦♦	172	108	72	51	37	28	21
TRIPLE	26	Stress	300	300	300	206	143	105	81	64	52	43	36
		L/360	♦♦♦	♦♦♦	134	69	40	25	17	12	9	6	5
		L/240	♦♦♦	♦♦♦	201	103	60	38	25	18	13	10	7
		L/180	♦♦♦	♦♦♦	268	137	79	50	34	24	17	13	10
	24	Stress	300	300	300	283	197	144	111	87	71	59	49
		L/360	♦♦♦	♦♦♦	186	95	55	35	23	16	12	9	7
		L/240	♦♦♦	♦♦♦	278	143	82	52	35	24	18	13	10
		L/180	♦♦♦	♦♦♦	♦♦♦	190	110	69	46	33	24	18	14
	22	Stress	300	300	300	300	243	179	137	108	88	72	61
		L/360	♦♦♦	♦♦♦	227	116	67	42	28	20	15	11	8
		L/240	♦♦♦	♦♦♦	♦♦♦	174	101	63	43	30	22	16	13
		L/180	♦♦♦	♦♦♦	♦♦♦	232	134	85	57	40	29	22	17

1. Stress = Allowable uniform load based on maximum allowable flexural stress in deck.
2. L/360, L240 or L/180 = Uniform load which produces selected deflection in deck.
3. The symbol ♦♦♦ indicates allowable uniform load based on deflection exceeds allowable uniform load based on stress.
4. Nominal uniform loads based on flexure stress may be determined by multiplying the allowable uniform loads in the table by $\Omega_b = 1.67$. LRFD uniform loads may be determined by multiplying nominal uniform loads by $\phi_b = 0.95$.
5. Allowable superimposed load for concrete filled Vercor deck is bare deck capacity minus dead load of concrete plus design applied dead and live load.

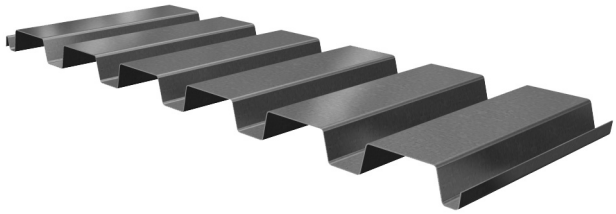
Deep VERCOR™

Allowable Uniform Loads (psf)

Span	Deck Gage	Criteria	Span (ft-in.)														
			3'-0"	3'-6"	4'-0"	4'-6"	5'-0"	5'-6"	6'-0"	6'-6"	7'-0"	7'-6"	8'-0"	8'-6"	9'-0"	9'-6"	10'-0"
SINGLE	26	Stress	264	194	149	117	95	79	66	56	48	42	37	33	29	26	24
		L/360	122	77	51	36	26	20	15	12	10	8	6	5	5	4	3
		L/240	182	115	77	54	39	30	23	18	14	12	10	8	7	6	5
		L/180	243	153	103	72	53	39	30	24	19	16	13	11	9	8	7
	24	Stress	300	268	206	162	132	109	91	78	67	58	51	46	41	36	33
		L/360	157	99	66	47	34	26	20	15	12	10	8	7	6	5	4
		L/240	236	149	100	70	51	38	29	23	19	15	12	10	9	7	6
		L/180	♦♦♦	198	133	93	68	51	39	31	25	20	17	14	12	10	8
	22	Stress	300	300	258	204	165	136	115	98	84	73	65	57	51	46	41
		L/360	195	123	82	58	42	32	24	19	15	12	10	9	7	6	5
		L/240	292	184	123	86	63	47	36	29	23	19	15	13	11	9	8
		L/180	♦♦♦	245	164	115	84	63	49	38	31	25	21	17	14	12	11
	20	Stress	300	300	300	242	196	162	136	116	100	87	77	68	60	54	49
		L/360	232	146	98	69	50	38	29	23	18	15	12	10	9	7	6
		L/240	♦♦♦	219	147	103	75	56	43	34	27	22	18	15	13	11	9
		L/180	♦♦♦	292	196	137	100	75	58	46	36	30	24	20	17	15	13
DOUBLE	26	Stress	275	202	155	122	99	82	69	59	50	44	39	34	31	27	25
		L/360	♦♦♦	184	123	87	63	48	37	29	23	19	15	13	11	9	8
		L/240	♦♦♦	♦♦♦	♦♦♦	♦♦♦	95	71	55	43	35	28	23	19	16	14	12
		L/180	♦♦♦	♦♦♦	♦♦♦	♦♦♦	♦♦♦	♦♦♦	♦♦♦	58	46	37	31	26	22	18	16
	24	Stress	300	270	207	164	132	109	92	78	68	59	52	46	41	37	33
		L/360	♦♦♦	238	160	112	82	61	47	37	30	24	20	17	14	12	10
		L/240	♦♦♦	♦♦♦	♦♦♦	♦♦♦	123	92	71	56	45	36	30	25	21	18	15
		L/180	♦♦♦	♦♦♦	♦♦♦	♦♦♦	♦♦♦	♦♦♦	♦♦♦	74	60	48	40	33	28	24	20
	22	Stress	300	300	257	203	164	136	114	97	84	73	64	57	51	45	41
		L/360	♦♦♦	295	198	139	101	76	59	46	37	30	25	21	17	15	13
		L/240	♦♦♦	♦♦♦	♦♦♦	♦♦♦	152	114	88	69	55	45	37	31	26	22	19
		L/180	♦♦♦	♦♦♦	♦♦♦	♦♦♦	♦♦♦	♦♦♦	♦♦♦	92	74	60	49	41	35	29	25
	20	Stress	300	300	300	242	196	162	136	116	100	87	77	68	60	54	49
		L/360	♦♦♦	♦♦♦	235	165	121	91	70	55	44	36	29	25	21	18	15
		L/240	♦♦♦	♦♦♦	♦♦♦	♦♦♦	181	136	105	82	66	54	44	37	31	26	23
		L/180	♦♦♦	♦♦♦	♦♦♦	♦♦♦	♦♦♦	♦♦♦	♦♦♦	110	88	71	59	49	41	35	30
TRIPLE	26	Stress	300	252	193	153	124	102	86	73	63	55	48	43	38	34	31
		L/360	229	144	97	68	49	37	29	23	18	15	12	10	8	7	6
		L/240	♦♦♦	216	145	102	74	56	43	34	27	22	18	15	13	11	9
		L/180	♦♦♦	♦♦♦	♦♦♦	136	99	74	57	45	36	29	24	20	17	14	12
	24	Stress	300	300	259	204	166	137	115	98	84	74	65	57	51	46	41
		L/360	296	187	125	88	64	48	37	29	23	19	16	13	11	9	8
		L/240	♦♦♦	280	187	132	96	72	56	44	35	28	23	20	16	14	12
		L/180	♦♦♦	♦♦♦	250	176	128	96	74	58	47	38	31	26	22	19	16
	22	Stress	300	300	300	253	205	170	143	121	105	91	80	71	63	57	51
		L/360	♦♦♦	231	155	109	79	59	46	36	29	23	19	16	14	12	10
		L/240	♦♦♦	♦♦♦	232	163	119	89	69	54	43	35	29	24	20	17	15
		L/180	♦♦♦	♦♦♦	♦♦♦	217	158	119	92	72	58	47	39	32	27	23	20
	20	Stress	300	300	300	300	245	202	170	145	125	109	96	85	76	68	61
		L/360	♦♦♦	275	184	129	94	71	55	43	34	28	23	19	16	14	12
		L/240	♦♦♦	♦♦♦	276	194	142	106	82	64	52	42	35	29	24	21	18
		L/180	♦♦♦	♦♦♦	♦♦♦	259	189	142	109	86	69	56	46	38	32	28	24

See footnotes on page 131.

PLB™ or B FORMLOK™



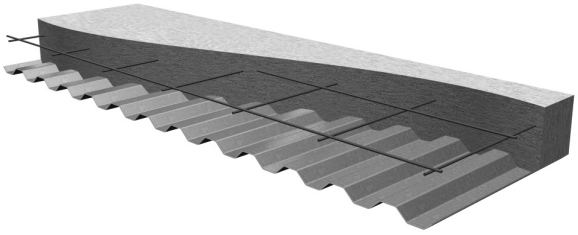
Allowable Uniform Loads (psf)

Span	Deck Gage	Criteria	Span (ft-in.)															
			2'-0"	3'-0"	4'-0"	5'-0"	5'-6"	6'-0"	6'-6"	7'-0"	7'-6"	8'-0"	8'-6"	9'-0"	9'-6"	10'-0"	11'-0"	12'-0"
SINGLE	22	Stress	300	300	220	141	116	98	83	72	63	55	49	43	39	35	29	24
		L/360	♦♦♦	287	121	62	47	36	28	23	18	15	13	11	9	8	6	4
		L/240	♦♦♦	♦♦♦	182	93	70	54	42	34	28	23	19	16	14	12	9	7
		L/180	♦♦♦	♦♦♦	♦♦♦	124	93	72	56	45	37	30	25	21	18	15	12	9
	20	Stress	300	300	288	184	152	128	109	94	82	72	64	57	51	46	38	32
		L/360	♦♦♦	♦♦♦	150	77	58	44	35	28	23	19	16	13	11	10	7	6
		L/240	♦♦♦	♦♦♦	225	115	86	67	52	42	34	28	23	20	17	14	11	8
		L/180	♦♦♦	♦♦♦	♦♦♦	153	115	89	70	56	45	37	31	26	22	19	14	11
	18	Stress	300	300	300	251	208	174	149	128	112	98	87	78	70	63	52	44
		L/360	♦♦♦	♦♦♦	207	106	79	61	48	39	31	26	22	18	15	13	10	8
		L/240	♦♦♦	♦♦♦	♦♦♦	159	119	92	72	58	47	39	32	27	23	20	15	11
		L/180	♦♦♦	♦♦♦	♦♦♦	212	159	122	96	77	63	52	43	36	31	26	20	15
	16	Stress	300	300	300	300	264	222	189	163	142	125	110	99	88	80	66	55
		L/360	♦♦♦	♦♦♦	261	133	100	77	61	49	40	33	27	23	19	17	13	10
		L/240	♦♦♦	♦♦♦	♦♦♦	200	150	116	91	73	59	49	41	34	29	25	19	14
		L/180	♦♦♦	♦♦♦	♦♦♦	267	200	154	121	97	79	65	54	46	39	33	25	19
DOUBLE	22	Stress	300	300	235	150	124	104	89	77	67	59	52	46	42	38	31	26
		L/360	♦♦♦	♦♦♦	♦♦♦	♦♦♦	122	94	74	59	48	40	33	28	24	20	15	12
		L/240	♦♦♦	♦♦♦	♦♦♦	♦♦♦	♦♦♦	♦♦♦	♦♦♦	♦♦♦	♦♦♦	♦♦♦	49	42	35	30	23	18
		L/180	♦♦♦	♦♦♦	♦♦♦	♦♦♦	♦♦♦	♦♦♦	♦♦♦	♦♦♦	♦♦♦	♦♦♦	♦♦♦	♦♦♦	♦♦♦	♦♦♦	30	23
	20	Stress	300	300	296	190	157	132	112	97	84	74	66	59	53	47	39	33
		L/360	♦♦♦	♦♦♦	♦♦♦	♦♦♦	146	113	89	71	58	48	40	33	28	24	18	14
		L/240	♦♦♦	♦♦♦	♦♦♦	♦♦♦	♦♦♦	♦♦♦	♦♦♦	♦♦♦	♦♦♦	71	59	50	43	37	27	21
		L/180	♦♦♦	♦♦♦	♦♦♦	♦♦♦	♦♦♦	♦♦♦	♦♦♦	♦♦♦	♦♦♦	♦♦♦	♦♦♦	♦♦♦	♦♦♦	♦♦♦	37	28
	18	Stress	300	300	300	265	219	184	157	135	118	103	92	82	73	66	55	46
		L/360	♦♦♦	♦♦♦	♦♦♦	258	194	149	117	94	76	63	53	44	38	32	24	19
		L/240	♦♦♦	♦♦♦	♦♦♦	♦♦♦	♦♦♦	♦♦♦	♦♦♦	♦♦♦	115	94	79	66	56	48	36	28
		L/180	♦♦♦	♦♦♦	♦♦♦	♦♦♦	♦♦♦	♦♦♦	♦♦♦	♦♦♦	♦♦♦	♦♦♦	♦♦♦	♦♦♦	♦♦♦	64	48	37
	16	Stress	300	300	300	300	271	228	194	167	146	128	113	101	91	82	68	57
		L/360	♦♦♦	♦♦♦	♦♦♦	♦♦♦	241	186	146	117	95	78	65	55	47	40	30	23
		L/240	♦♦♦	♦♦♦	♦♦♦	♦♦♦	♦♦♦	♦♦♦	♦♦♦	♦♦♦	143	118	98	83	70	60	45	35
		L/180	♦♦♦	♦♦♦	♦♦♦	♦♦♦	♦♦♦	♦♦♦	♦♦♦	♦♦♦	♦♦♦	♦♦♦	♦♦♦	♦♦♦	♦♦♦	80	60	46
TRIPLE	22	Stress	300	300	294	188	155	131	111	96	84	73	65	58	52	47	39	33
		L/360	♦♦♦	♦♦♦	247	127	95	73	58	46	38	31	26	22	18	16	12	9
		L/240	♦♦♦	♦♦♦	♦♦♦	♦♦♦	143	110	86	69	56	46	39	33	28	24	18	14
		L/180	♦♦♦	♦♦♦	♦♦♦	♦♦♦	♦♦♦	♦♦♦	♦♦♦	92	75	62	52	43	37	32	24	18
	20	Stress	300	300	300	237	196	165	140	121	105	93	82	73	66	59	49	41
		L/360	♦♦♦	♦♦♦	298	152	115	88	69	56	45	37	31	26	22	19	14	11
		L/240	♦♦♦	♦♦♦	♦♦♦	229	172	132	104	83	68	56	47	39	33	29	21	17
		L/180	♦♦♦	♦♦♦	♦♦♦	♦♦♦	♦♦♦	♦♦♦	139	111	90	74	62	52	44	38	29	22
	18	Stress	300	300	300	300	274	230	196	169	147	129	115	102	92	83	68	57
		L/360	♦♦♦	♦♦♦	♦♦♦	202	152	117	92	74	60	49	41	35	29	25	19	15
		L/240	♦♦♦	♦♦♦	♦♦♦	♦♦♦	228	175	138	110	90	74	62	52	44	38	28	22
		L/180	♦♦♦	♦♦♦	♦♦♦	♦♦♦	♦♦♦	♦♦♦	184	147	120	99	82	69	59	50	38	29
	16	Stress	300	300	300	300	300	285	243	209	182	160	142	127	114	103	85	71
		L/360	♦♦♦	♦♦♦	♦♦♦	251	189	145	114	92	74	61	51	43	37	31	24	18
		L/240	♦♦♦	♦♦♦	♦♦♦	♦♦♦	283	218	172	137	112	92	77	65	55	47	35	27
		L/180	♦♦♦	♦♦♦	♦♦♦	♦♦♦	♦♦♦	♦♦♦	229	183	149	123	102	86	73	63	47	36

See footnotes on page 131.

Shallow VERCOR™

- ≥ 3 in. Total Slab Depth
- Normal Weight Concrete



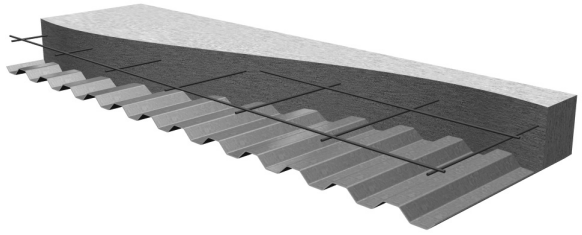
Allowable Interior Diaphragm Shear Strengths, q (plf) and Flexibility Factors, F (in./lb. x 10^6)

Deck Gage	Total Slab Thickness	Attachment Pattern	Span (ft-in.)								
			2'-0"	2'-6"	3'-0"	3'-6"	4'-0"	4'-6"	5'-0"	5'-6"	6'-0"
26	3.0"	q - 3 screws	1629	1600	1582	1566	1559	1549	1541	1535	1529
		q - 4 screws	1642	1611	1591	1574	1566	1555	1547	1540	1534
		q - 5 screws	1658	1624	1603	1584	1575	1564	1554	1547	1541
		q - 6 screws	1694	1653	1628	1606	1595	1582	1571	1562	1554
	Thickness ≥ 3.5"	q - 3 screws	1931	1902	1884	1868	1860	1851	1843	1837	1831
24	3.0"	q - 3 screws	1691	1651	1625	1603	1592	1579	1568	1559	1552
		q - 4 screws	1708	1665	1637	1614	1602	1588	1576	1566	1558
		q - 5 screws	1730	1682	1653	1627	1614	1598	1586	1575	1567
		q - 6 screws	1777	1721	1687	1656	1641	1623	1607	1595	1585
	3.5"	q - 3 screws	1993	1952	1927	1905	1894	1881	1870	1861	1854
		q - 4 screws	2010	1967	1939	1915	1904	1889	1878	1868	1860
		q - 5 screws	2032	1984	1955	1929	1916	1900	1888	1877	1868
		q - 6 screws	2079	2023	1988	1958	1943	1924	1909	1897	1887
	Thickness ≥ 4.0"	q - 3 screws	2295	2254	2229	2207	2196	2182	2172	2163	2155
22	3.0"	q - 3 screws	1756	1703	1670	1642	1627	1610	1596	1585	1575
		q - 4 screws	1777	1721	1685	1655	1640	1621	1606	1594	1584
		q - 5 screws	1804	1743	1705	1671	1655	1635	1618	1605	1594
		q - 6 screws	1863	1792	1747	1708	1689	1665	1645	1630	1616
	3.5"	q - 3 screws	2057	2005	1972	1943	1929	1912	1898	1887	1877
		q - 4 screws	2079	2023	1987	1957	1941	1923	1908	1896	1885
		q - 5 screws	2106	2045	2007	1973	1957	1936	1920	1907	1896
		q - 6 screws	2165	2094	2049	2009	1991	1967	1947	1931	1918
	4.0"	q - 3 screws	2359	2307	2274	2245	2231	2214	2200	2188	2179
		q - 4 screws	2381	2325	2289	2258	2243	2225	2210	2197	2187
		q - 5 screws	2408	2347	2308	2275	2259	2238	2222	2209	2197
		q - 6 screws	2467	2396	2351	2311	2293	2268	2249	2233	2220
	Thickness ≥ 4.5"	q - 3 screws	2661	2609	2576	2547	2533	2515	2502	2490	2481

See footnotes on page 135. See page 131 for vertical loads footnotes.

Shallow VERCOR™

- ≥ 3 in. Total Slab Depth
- Normal Weight Concrete



Concrete Properties

Density (pcf)	Uniform Weight (psf)	Uniform Volume ($yd^3/100\ ft^2$)	Compressive Strength, f'_c (psi)
145	32.9 to 69.1	0.839 to 1.852	3000

Notes:
1. Volumes and weights do not include allowance for deflection.
2. Weights are for concrete only and do not include weight of steel deck.
3. Total slab depth is nominal depth from top of concrete to bottom of steel deck.
4. Uniform and weight volume depend on slab thickness selected. See pages 20-21 for further information.

Footnotes for Maximum Unshored Clear Span and Allowable Diaphragm Shear Strength Tables

1. Interior connections may be #12, #14 or Shearflex® screws.
2. Connections at diaphragm perimeter or other collector elements are to be based on the actual shear to be transferred and the capacity of the connections used.

Allowable Shear Capacity per Connection (lbs)	Fastener Type	9/16" SV - Deck Gage		
		26	24	22
	#12 Screw	199 lbs	266 lbs	333 lbs
	#14 Screw or Shearflex®	230 lbs	308 lbs	385 lbs

3. If higher shear values than those shown are required, please contact Verco Engineering Dept.
4. Total slab depth is nominal depth from top of concrete to bottom of steel deck.
5. Concrete fill to be normal weight (145 pcf) and have minimum compressive strength f'_c = 3,000 psi.
6. SV decks with structural concrete fill have a Flexibility Factor of F <1.
7. Sidelap connections - minimum 1 - #10 screw per span, maximum 36" oc spacing.
8. A continuous 3 span condition is assumed for all span lengths 4 ft and greater. For span lengths less than 4 ft, a 12 ft long sheet is assumed, with a maximum of 7 continuous spans.
9. To convert to nominal values multiply by Ω_d (ASD) = 3.25. To convert to LRFD multiple nominal value by Φ_d = .5

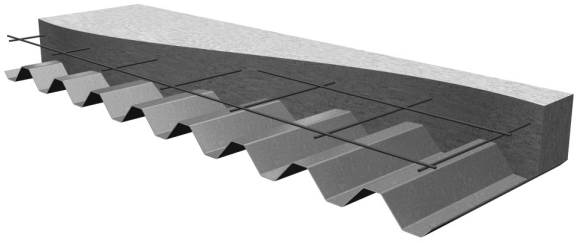
Maximum Unshored Clear Span (ft-in.)

Gage	Span	Total Slab Depth Normal Weight Conc. (145 pcf)						
		3.0" NW	3.5" NW	4.0" NW	4.5" NW	5.0" NW	5.5" NW	6.0" NW
26	1	2'-5"	2'-5"	2'-4"	2'-3"	2'-2"	2'-2"	2'-1"
	2	2'-11"	2'-10"	2'-9"	2'-8"	2'-7"	2'-7"	2'-6"
	3	3'-0"	2'-11"	2'-9"	2'-9"	2'-8"	2'-7"	2'-6"
24	1	3'-3"	3'-2"	3'-1"	3'-0"	2'-11"	2'-10"	2'-9"
	2	3'-11"	3'-9"	3'-8"	3'-6"	3'-5"	3'-4"	3'-3"
	3	3'-11"	3'-10"	3'-8"	3'-7"	3'-6"	3-4"	3'-3"
22	1	3'-8"	3'-6"	3'-4"	3'-2"	3'-1"	3'-0"	2'-11"
	2	4'-7"	4'-5"	4'-3"	4'-1"	4'-0"	3'-10"	3'-9"
	3	4'-6"	4'-3"	4'-1"	3'-11"	3'-10"	3'-8"	3'-7"

1. Shoring calculations based on the following:
   - Deck supporting dead load of concrete plus 20 psf uniform construction load or 150 pound concentrated construction live load for flexure.
   - Dead load deflection limited to L/180 of span length, not to exceed 3/4".
   - Allowable reactions based on maximum bearing length permitted by AISI S100. Support reactions for unshored spans due to dead loads and uniform construction live loads must be evaluated based on the allowable reactions set forth on page 128.
2. Shoring is required at midspan for spans greater than those shown.

Deep VERCOR™

- ≥ 4 in. Total Slab Depth
- Normal Weight Concrete



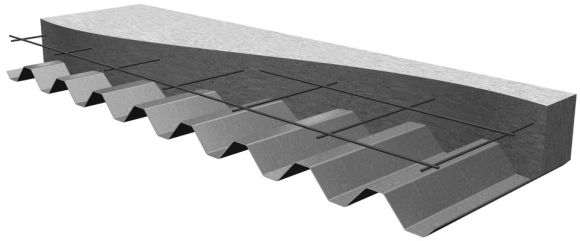
Allowable Interior Diaphragm Shear Strengths, q (plf) and Flexibility Factors, F (in./lb. x 10^6)

Deck Gage	Total Slab Thickness	Attachment Pattern	Span (ft-in.)								
			2'-0"	2'-6"	3'-0"	3'-6"	4'-0"	4'-6"	5'-0"	5'-6"	6'-0"
26	4.0"	q - 3 screws	1796	1764	1744	1727	1718	1708	1699	1692	1686
		q - 4 screws	1804	1771	1750	1732	1723	1712	1703	1695	1689
		q - 5 screws	1828	1790	1767	1746	1736	1724	1714	1705	1698
		q - 6 screws	1875	1829	1801	1775	1763	1748	1735	1725	1716
	Thickness ≥ 4.5"	q - 3 screws	2098	2066	2046	2029	2020	2009	2001	1994	1988
24	4.0"	q - 3 screws	1858	1814	1787	1764	1752	1737	1726	1716	1709
		q - 4 screws	1868	1823	1794	1770	1758	1743	1731	1721	1712
		q - 5 screws	1899	1848	1817	1789	1775	1758	1745	1734	1724
		q - 6 screws	1961	1899	1861	1827	1811	1790	1773	1759	1748
	4.5"	q - 3 screws	2160	2116	2089	2065	2054	2039	2028	2018	2010
		q - 4 screws	2170	2125	2096	2072	2059	2044	2032	2022	2014
		q - 5 screws	2201	2150	2118	2091	2077	2060	2046	2035	2026
		q - 6 screws	2263	2201	2162	2128	2112	2091	2075	2061	2050
	Thickness ≥ 5.0"	q - 3 screws	2461	2418	2391	2367	2355	2341	2329	2320	2312
22	4.0"	q - 3 screws	1923	1868	1833	1802	1787	1769	1754	1742	1732
		q - 4 screws	1936	1878	1842	1810	1795	1775	1760	1748	1737
		q - 5 screws	1974	1910	1869	1834	1816	1795	1778	1763	1752
		q - 6 screws	2051	1972	1924	1880	1860	1834	1812	1795	1781
	4.5"	q - 3 screws	2225	2169	2134	2104	2089	2071	2056	2044	2034
		q - 4 screws	2238	2180	2143	2112	2096	2077	2062	2049	2039
		q - 5 screws	2276	2211	2171	2135	2118	2097	2079	2065	2053
		q - 6 screws	2352	2274	2225	2182	2162	2135	2114	2097	2083
	5.0"	q - 3 screws	2527	2471	2436	2406	2391	2372	2358	2346	2336
		q - 4 screws	2539	2482	2445	2414	2398	2379	2364	2351	2341
		q - 5 screws	2578	2513	2473	2437	2420	2398	2381	2367	2355
		q - 6 screws	2654	2576	2527	2484	2464	2437	2416	2399	2384
	Thickness ≥ 5.5"	q - 3 screws	2829	2773	2738	2708	2693	2674	2660	2648	2638
20	4.0"	q - 3 screws	1991	1923	1880	1843	1824	1802	1784	1769	1757
		q - 4 screws	2006	1935	1891	1852	1833	1809	1791	1775	1763
		q - 5 screws	2052	1973	1923	1880	1859	1832	1811	1794	1780
		q - 6 screws	2143	2048	1988	1936	1911	1879	1853	1832	1815
	4.5"	q - 3 screws	2293	2225	2182	2145	2126	2103	2085	2071	2059
		q - 4 screws	2308	2237	2192	2154	2135	2111	2092	2077	2064
		q - 5 screws	2354	2275	2225	2182	2161	2134	2113	2096	2082
		q - 6 screws	2445	2350	2290	2238	2213	2180	2155	2134	2116
	5.0"	q - 3 screws	2595	2527	2483	2447	2428	2405	2387	2373	2360
		q - 4 screws	2610	2539	2494	2456	2436	2413	2394	2379	2366
		q - 5 screws	2656	2577	2527	2484	2462	2436	2415	2398	2383
		q - 6 screws	2747	2651	2592	2539	2514	2482	2457	2436	2418
	5.5"	q - 3 screws	2897	2828	2785	2748	2729	2707	2689	2674	2662
		q - 4 screws	2912	2841	2796	2758	2738	2715	2696	2681	2668
		q - 5 screws	2957	2878	2829	2786	2764	2738	2717	2700	2685
		q - 6 screws	3048	2953	2894	2841	2816	2784	2758	2737	2720
	Thickness ≥ 6.0"	q - 3 screws	3198	3130	3087	3050	3031	3009	2991	2976	2964

See footnotes on page 137. See page 131 for vertical loads footnotes.

Deep VERCOR™

- ≥ 4 in. Total Slab Depth
- Normal Weight Concrete



Concrete Properties

Density (pcf)	Uniform Weight (psf)	Uniform Volume ($yd^3/100\ ft^2$)	Compressive Strength, f'_c (psi)
145	40.4 to 76.7	1.032 to 1.958	3000

Notes:
1. Volumes and weights do not include allowance for deflection.
2. Weights are for concrete only and do not include weight of steel deck.
3. Total slab depth is nominal depth from top of concrete to bottom of steel deck.
4. Uniform and weight volume depend on slab thickness selected. See pages 20-21 for further information.

Footnotes for Maximum Unshored Clear Span and Allowable Diaphragm Shear Strength Tables

1. Interior connections may be #12, #14 or Shearflex® screws.
2. Connections at diaphragm perimeter or other collector elements are to be based on the actual shear to be transferred and the capacity of the connections used.

Allowable Shear Capacity per Connection (lbs)	Fastener Type	1-5/16" DV - Deck Gage			
		26	24	22	20
	#12 Screw	217 lbs	283 lbs	349 lbs	416 lbs
	#14 Screw	251 lbs	327 lbs	404 lbs	482 lbs
	Shearflex®	See table below			

3. If higher shear values than those shown are required, please contact Verco Engineering Dept.
4. Total slab depth is nominal depth from top of concrete to bottom of steel deck.
5. Concrete fill to be normal weight (145 pcf) and have minimum compressive strength f'_c = 3,000 psi.
6. DV decks with structural concrete fill have a Flexibility Factor of F <1.
7. Sidelap connections - minimum 1 - #10 screw per span, maximum 36" oc spacing.
8. A continuous 3 span condition is assumed for all span legths less than 4 ft, a 12 ft long sheet is assumed, with a maximum of 7 continuous spans.
9. To convert to nominal values multiply by Ω_d (ASD) = 3.25. To convert to LRFD multiple nominal value by ϕ_d = .5.

Allowable Interior Shear Strength for Shearflex Screws as Part of Diaphragm System

Screw Designation	Thread Diameter (in)	Screw Length (in)	Steel Deck Panel	Allowable Shear Strength per Connection (lbs)					
				Design Thickness of Structural Support (in.)					
				0.113	0.155	0.187	0.212	0.250	0.313
Shearflex® Standoff Screw	3/8	3	Deep VERCOR™	1283	1356	1461	1495	1464	1418

1. See IAPMO UES ER-0217 and ER-0366 for further information on Shearflex screws.
2. Values shown are based on a maximum of one Shearflex® screw per steel deck rib with the fastener installed at the center of the steel deck rib.

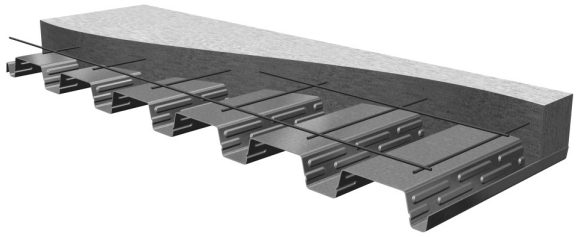
Maximum Unshored Clear Span (ft-in.)

Gage	Span	Total Slab Depth Normal Weight Conc. (145 pcf)						
		4.0" NW	4.5" NW	5.0" NW	6.5" NW	6.0" NW	6.5" NW	7.0" NW
26	1	4'-7"	4'-5"	4'-3"	4'-2"	4'-0"	3'-11"	3'-10"
	2	5'-5"	5'-3"	5'-0"	4'-10"	4'-9"	4'-7"	4'-6"
	3	5'-6"	5'-3"	5'-1"	4'-11"	4'-9"	4'-8"	4'-6"
24	1	5'-8"	5'-5"	5'-3"	5'-1"	4'-11"	4'-9"	4'-8"
	2	6'-9"	6'-6"	6'-3"	6'-0"	5'-10"	5'-8"	5'-6"
	3	6'-10"	6'-7"	6'-4"	6'-1"	5'-11"	5'-9"	5'-7"
22	1	6'-1"	5'-10"	5'-7"	5'-5"	5'-3"	5'-1"	5'-0"
	2	7'-10"	7'-6"	7'-2"	6'-11"	6'-8"	6'-6"	6'-3"
	3	7'-6"	7'-2"	6'-11"	6'-8"	6'-6"	6'-4"	6'-2"
20	1	6'-5"	6'-2"	5'-11"	5'-9"	5'-7"	5'-5"	5'-3"
	2	8'-6"	8'-2"	7'-10"	7'-7"	7'-4"	7'-1"	6'-10"
	3	7'-11"	7'-7"	7'-4"	7'-1"	6'-11"	6'-8"	6'-6"

1. Shoring calculations based on the following:
   - Deck supporting dead load of concrete plus 20 psf uniform construction load or 150 pound concentrated construction live load for flexure.
   - Dead load deflection limited to L/180 of span length, not to exceed 3/4".
   - Allowable reactions based on maximum bearing length permitted by AISI S100. Support reactions for unshored spans due to dead loads and uniform construction live loads must be evaluated based on the allowable reactions set forth on page 129.
2. Shoring is required at midspan for spans greater than those shown.

PLB™ or B FORMLOK™

- 1½ in. Total Slab Depth
- Normal Weight Concrete



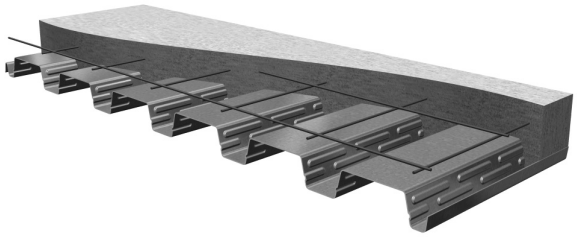
Allowable Interior Diaphragm Shear Strengths, q (plf) and Flexibility Factors, F (in./lb. x 10^6)

Deck Gage	Total Slab Thickness	Attachment Pattern	Span (ft-in.)								
			4'-0"	5'-0"	6'-0"	7'-0"	8'-0"	9'-0"	10'-0"	11'-0"	12'-0"
22	3.5"	q - 4 screws	1377	1343	1321	1304	1292	1283	1275	1269	1264
		q - 5 screws	1416	1374	1346	1327	1312	1300	1291	1283	1277
		q - 7 screws	1429	1385	1355	1334	1318	1306	1296	1288	1281
	4.0"	q - 4 screws	1679	1645	1622	1606	1594	1585	1577	1571	1566
		q - 5 screws	1718	1676	1648	1628	1613	1602	1593	1585	1579
		q - 7 screws	1731	1686	1657	1636	1620	1608	1598	1590	1583
	4.5"	q - 4 screws	1981	1947	1924	1908	1896	1886	1879	1873	1868
		q - 5 screws	2020	1978	1950	1930	1915	1904	1894	1887	1880
		q - 7 screws	2033	1988	1959	1938	1922	1909	1900	1891	1885
	5.0"	q - 4 screws	2283	2249	2226	2210	2198	2188	2181	2174	2169
		q - 5 screws	2322	2280	2252	2232	2217	2205	2196	2189	2182
		q - 7 screws	2334	2290	2260	2239	2224	2211	2201	2193	2187
	Thickness ≥ 5.5"	q - 4 screws	2585	2551	2528	2512	2499	2490	2482	2476	2471
20	3.5"	q - 4 screws	1417	1375	1347	1327	1312	1300	1291	1283	1277
		q - 5 screws	1463	1412	1378	1354	1335	1321	1310	1300	1293
		q - 7 screws	1479	1425	1388	1362	1343	1328	1316	1306	1298
	4.0"	q - 4 screws	1719	1677	1649	1629	1614	1602	1593	1585	1579
		q - 5 screws	1765	1714	1680	1655	1637	1623	1612	1602	1594
		q - 7 screws	1781	1726	1690	1664	1645	1630	1618	1608	1600
	4.5"	q - 4 screws	2021	1979	1951	1931	1916	1904	1895	1887	1881
		q - 5 screws	2067	2016	1982	1957	1939	1925	1913	1904	1896
		q - 7 screws	2083	2028	1992	1966	1947	1932	1920	1910	1901
	5.0"	q - 4 screws	2322	2280	2252	2232	2217	2206	2197	2189	2183
		q - 5 screws	2369	2318	2283	2259	2241	2227	2215	2206	2198
		q - 7 screws	2384	2330	2294	2268	2248	2233	2221	2211	2203
	Thickness ≥ 5.5"	q - 4 screws	2624	2582	2554	2534	2519	2508	2498	2491	2484
18	3.5"	q - 4 screws	1499	1441	1402	1374	1353	1337	1324	1313	1305
		q - 5 screws	1561	1490	1443	1409	1384	1365	1349	1336	1325
		q - 7 screws	1582	1507	1457	1421	1395	1374	1357	1343	1332
	4.0"	q - 4 screws	1801	1743	1704	1676	1655	1639	1626	1615	1606
		q - 5 screws	1863	1792	1745	1711	1686	1666	1651	1638	1627
		q - 7 screws	1884	1809	1759	1723	1696	1675	1659	1645	1634
	4.5"	q - 4 screws	2103	2044	2005	1978	1957	1941	1928	1917	1908
		q - 5 screws	2165	2094	2047	2013	1988	1968	1952	1940	1929
		q - 7 screws	2185	2110	2061	2025	1998	1977	1961	1947	1936
	5.0"	q - 4 screws	2405	2346	2307	2279	2259	2242	2229	2219	2210
		q - 5 screws	2467	2396	2349	2315	2290	2270	2254	2241	2231
		q - 7 screws	2487	2412	2362	2327	2300	2279	2262	2249	2237
	Thickness ≥ 5.5"	q - 4 screws	2706	2648	2609	2581	2560	2544	2531	2521	2512
16	3.5"	q - 4 screws	1587	1511	1460	1424	1397	1376	1359	1345	1334
		q - 5 screws	1623	1573	1512	1468	1436	1410	1390	1373	1360
		q - 7 screws	1630	1593	1529	1483	1449	1422	1400	1383	1368
	4.0"	q - 4 screws	1888	1813	1762	1726	1699	1678	1661	1647	1636
		q - 5 screws	1966	1875	1814	1770	1737	1712	1692	1675	1661
		q - 7 screws	1992	1895	1831	1785	1750	1724	1702	1685	1670
	4.5"	q - 4 screws	2190	2114	2064	2028	2001	1979	1963	1949	1937
		q - 5 screws	2268	2176	2115	2072	2039	2014	1994	1977	1963
		q - 7 screws	2294	2197	2133	2087	2052	2025	2004	1986	1972
	5.0"	q - 4 screws	2492	2416	2366	2329	2302	2281	2264	2251	2239
		q - 5 screws	2570	2478	2417	2374	2341	2316	2295	2279	2265
		q - 7 screws	2595	2499	2434	2389	2354	2327	2306	2288	2274
	Thickness ≥ 5.5"	q - 4 screws	2794	2718	2667	2631	2604	2583	2566	2552	2541

See footnotes on page 139. See page 131 for vertical loads footnotes.

PLB™ or B FORMLOK™

- 1½ in. Total Slab Depth
- Normal Weight Concrete



Concrete Properties

Density (pcf)	Uniform Weight (psf)	Uniform Volume ($yd^3/100\ ft^2$)	Compressive Strength, f'_c (psi)
145	30.6 to 60.8	0.781 to 1.553	3000

Notes:
1. Volumes and weights do not include allowance for deflection.
2. Weights are for concrete only and do not include weight of steel deck.
3. Total slab depth is nominal depth from top of concrete to bottom of steel deck.
4. Uniform and weight volume depend on slab thickness selected. See pages 20-21 for further information.

Footnotes for Maximum Unshored Clear Span and Allowable Diaphragm Shear Strength Tables

1. Interior connections may be #12, #14 or Shearflex® screws.
2. Connections at diaphragm perimeter or other collector elements are to be based on the actual shear to be transferred and the capacity of the connections used.

	Fastener Type	PLB & B- FORMLOK Deck Gage			
		22	20	18	16
Allowable Shear Capacity per Connection (lbs)	#12 Screw	348 lbs	418 lbs	557 lbs	697 lbs
	#14 Screw	403 lbs	484 lbs	645 lbs	807 lbs
	Shearflex®	See table below			

See page 130 or additional footnotes.

Allowable Interior Shear Strength for Shearflex Screws as Part of Diaphragm System

Screw Designation	Thread Diameter (in)	Screw Length (in)	Steel Deck Panel	Allowable Shear Strength per Connection (lbs)					
				Design Thickness of Structural Support (in)					
				0.113	0.155	0.187	0.212	0.250	0.313
Shearflex® Standoff Screw	3/8	3	PLB™, HSB, PLB™-FORMLOK, B-FORMLOK™	1335	1387	1486	1470	1455	1409

1. See IAPMO UES ER-0217 and ER-0366 for further information on Shearflex screws.
2. Values shown are based on a maximum of one Shearflex® screw per steel deck rib with the fastener installed at the center of the steel deck rib.

Maximum Unshored Clear Span (ft-in.)

Gage	Span	Allowable Shear Strength per Connection (lbs)							
		3.5" NW	4.0" NW	4.5" NW	5.0" NW	5.5" NW	6.0" NW	6.5" NW	7.0" NW
22	1	6'-6"	6'-2"	5'-11"	5'-8"	5'-6"	5'-4"	5-2"	5'-0"
	2	7'-8"	7'-3"	6'-11"	6'-8"	6'-5"	6'-3"	6'-0"	5'-10"
	3	7'-9"	7'-4"	7'-0"	6'-9"	6'-6"	6'-3"	6'-1"	5'-11"
20	1	7'-9"	7'-5"	7'-1"	6'-9"	6'-6"	6'-4"	6'-1"	5'-11"
	2	9'-1"	8'-8"	8'-3"	7'-11"	7'-7"	7'-4"	7'-1"	6'-10"
	3	9'-3"	8'-9"	8'-4"	8'-0"	7'-8"	7'-5"	7'-2"	7'-0"
18	1	8'-10"	8'-5"	8'-1"	7'-9"	7'-6"	7'-3"	7'-1"	6'-11"
	2	10'-8"	10'-2"	9'-9"	9'-4"	9'-0"	8'-8"	8'-4"	8'-1"
	3	11'-0"	10'-5"	10'-0"	9'-7"	9'-3"	8'-11"	8'-8"	8'-5"
16	1	9'-6"	9'-1"	8'-8"	8'-4"	8'-1"	7'-10"	7'-7"	7'-5"
	2	11'-10"	11'-3"	10'-9"	10'-4"	9'-11"	9'-7"	9'-3"	9'-0"
	3	11'-7"	11'-2"	10'-9"	10'-4"	10'-0"	9'-8"	9'-5"	9'-2"

1. Shoring calculations based on the following:
   - Deck supporting dead load of concrete plus 20 psf uniform construction load or 150 pound concentrated construction live load for flexure.
   - Dead load deflection limited to L/180 of span length, not to exceed 3/4".
   - Allowable reactions based on maximum bearing length permitted by AISI S100. Support reactions for unshored spans due to dead loads and uniform construction live loads must be evaluated based on the allowable reactions set forth on page 130.
2. Shoring is required at midspan for spans greater than those shown.

Notes:

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