

TABLE 1 – OPTIMO Allowable Positive and Negative Transverse Loads for Single Span (L/180)(PSF)

Panel Thickness (Inches)	24" Wide Panel - 22 Gauge Exterior/24 Gauge Interior Steel Skin													
	Span (Feet)													
	2		4		6		8		10		12		14	
2	115	S	58	S	38	S	29	S	21	D	15	D	11	D
2.5	144	S	72	S	48	S	36	S	29	S	21	D	16	D
3	173	S	87	S	58	S	43	S	35	S	27	D	20	D
4	232	S	116	S	77	S	58	S	46	S	39	S	31	D

Limiting Factor: (N) Negative Load/Connection, (S) Core Shear, (B) Flexural Bending, (D) Deflection

TABLE 2 – OPTIMO Allowable Positive and Negative Transverse Loads for Double Span (L/180)(PSF)

Panel Thickness (Inches)	24" Wide Panel - 22 Gauge Exterior/24 Gauge Interior Steel Skin													
	Span Between Supports (Feet)													
	2		4		6		8		10		12		14	
2	113	S	54	S	35	S	25	S	20	S	16	S	14	S
2.5	142	S	68	S	44	S	32	S	25	S	20	S	17	S
3	171	S	83	S	53	S	39	S	30	S	25	S	21	S
4	229	S	112	S	72	S	53	S	41	S	34	S	28	S

Limiting Factor: (N) Negative Load/Connection, (S) Core Shear, (B) Flexural Bending, (D) Deflection

TABLE 3 – OPTIMO Allowable Positive and Negative Transverse Loads for Triple Span (L/180)(PSF)

Panel Thickness (Inches)	24" Wide Panel - 22 Gauge Exterior/24 Gauge Interior Steel Skin													
	Span Between Supports (Feet)													
	2		4		6		8		10		12		14	
2	111	S	53	S	34	S	25	S	20	S	16	S	14	S
2.5	140	S	67	S	43	S	31	S	25	S	21	S	17	S
3	169	S	81	S	52	S	38	S	30	S	25	S	21	S
4	227	S	109	S	70	S	51	S	40	S	33	S	28	S

Limiting Factor: (N) Negative Load/Connection, (S) Core Shear, (B) Flexural Bending, (D) Deflection

TABLE 4 – OPTIMO Allowable Positive and Negative Transverse Loads for Single Span (L/180)(PSF)

Panel Thickness (Inches)	30" Wide Panel - 22 Gauge Exterior/24 Gauge Interior Steel Skin													
	Span (Feet)													
	2		4		6		8		10		12		14	
2	115	S	58	S	38	S	29	S	21	D	15	D	11	D
2.5	144	S	72	S	48	S	36	S	29	S	21	D	16	D
3	173	S	87	S	58	S	43	S	35	S	27	D	20	D
4	192	N	96	N	64	N	48	N	38	N	32	N	27	N

Limiting Factor: (N) Negative Load/Connection, (S) Core Shear, (B) Flexural Bending, (D) Deflection

TABLE 5 – OPTIMO Allowable Positive and Negative Transverse Loads for Double Span (L/180)(PSF)

Panel Thickness (Inches)	30" Wide Panel - 22 Gauge Exterior/24 Gauge Interior Steel Skin													
	Span Between Supports (Feet)													
	2		4		6		8		10		12		14	
2	113	S	54	S	35	S	25	S	20	S	16	S	14	S
2.5	142	S	68	S	44	S	32	S	25	S	20	S	17	S
3	171	S	83	S	53	S	39	S	30	S	25	S	21	S
4	196	N	98	N	65	N	49	N	39	N	33	N	28	N

Limiting Factor: (N) Negative Load/Connection, (S) Core Shear, (B) Flexural Bending, (D) Deflection

TABLE 6 – OPTIMO Allowable Positive and Negative Transverse Loads for Triple Span (L/180)(PSF)

Panel Thickness (Inches)	30" Wide Panel - 22 Gauge Exterior/24 Gauge Interior Steel Skin													
	Span Between Supports (Feet)													
	2		4		6		8		10		12		14	
2	111	S	53	S	34	S	25	S	20	S	16	S	14	S
2.5	140	S	67	S	43	S	31	S	25	S	21	S	17	S
3	169	S	81	S	52	S	38	S	30	S	25	S	21	S
4	223	N	109	S	70	S	51	S	40	S	33	S	28	S

Limiting Factor: (N) Negative Load/Connection, (S) Core Shear, (B) Flexural Bending, (D) Deflection

TABLE 7 – OPTIMO Allowable Positive and Negative Transverse Loads for Single Span (L/180)(PSF)

Panel Thickness (Inches)	36" Wide Panel - 22 Gauge Exterior/24 Gauge Interior Steel Skin													
	Span (Feet)													
	2		4		6		8		10		12		14	
2	115	S	80	D	38	S	29	S	21	D	15	D	11	D
2.5	144	S	80	N	48	S	36	S	29	S	21	D	16	D
3	160	N	80	N	53	N	40	N	32	N	27	N	20	D
4	160	N	80	N	53	N	40	N	32	N	27	N	23	N

Limiting Factor: (N) Negative Load/Connection, (S) Core Shear, (B) Flexural Bending, (D) Deflection

TABLE 8 – OPTIMO Allowable Positive and Negative Transverse Loads for Double Span (L/180)(PSF)

Panel Thickness (Inches)	36" Wide Panel - 22 Gauge Exterior/24 Gauge Interior Steel Skin													
	Span Between Supports (Feet)													
	2		4		6		8		10		12		14	
2	113	S	81	D	35	S	25	S	20	S	16	S	14	S
2.5	142	S	82	N	44	S	32	S	25	S	20	S	17	S
3	163	N	82	N	53	S	39	S	30	S	25	S	21	S
4	163	N	82	N	54	N	41	N	33	N	27	N	23	N

Limiting Factor: (N) Negative Load/Connection, (S) Core Shear, (B) Flexural Bending, (D) Deflection

TABLE 9 – OPTIMO Allowable Positive and Negative Transverse Loads for Triple Span (L/180)(PSF)

Panel Thickness (Inches)	36" Wide Panel - 22 Gauge Exterior/24 Gauge Interior Steel Skin													
	Span Between Supports (Feet)													
	2		4		6		8		10		12		14	
2	111	S	81	D	34	S	25	S	20	S	16	S	14	S
2.5	140	S	93	N	43	S	31	S	25	S	21	S	17	S
3	169	S	93	N	52	S	38	S	30	S	25	S	21	S
4	186	N	93	N	62	N	46	N	37	N	31	N	27	N

Limiting Factor: (N) Negative Load/Connection, (S) Core Shear, (B) Flexural Bending, (D) Deflection

TABLE 10 – KS Allowable Positive and Negative Transverse Loads for Single Span (L/180)(PSF)

Panel Thickness (Inches)	42" Wide Panel - 26 Gauge Exterior/26 Gauge Interior Steel Skin													
	Span (Feet)													
	2		4		6		8		10		12		14	
2	51	N	26	N	17	N	13	N	10	N	-	-	-	-
2.5	51	N	26	N	17	N	13	N	10	N	-	-	-	-
3	51	N	26	N	17	N	13	N	10	N	-	-	-	-
4	51	N	26	N	17	N	13	N	10	N	-	-	-	-
5	51	N	26	N	17	N	13	N	10	N	-	-	-	-
6	51	N	26	N	17	N	13	N	10	N	-	-	-	-

Limiting Factor: (N) Negative Load/Connection, (S) Core Shear, (B) Flexural Bending, (D) Deflection

TABLE 11 – KS Allowable Positive and Negative Transverse Loads for Double Span (L/180)(PSF)

Panel Thickness (Inches)	42" Wide Panel - 26 Gauge Exterior/26 Gauge Interior Steel Skin													
	Span Between Supports (Feet)													
	2		4		6		8		10		12		14	
2	58	N	29	N	19	N	14	N	12	N	-	-	-	-
2.5	58	N	29	N	19	N	14	N	12	N	-	-	-	-
3	58	N	29	N	19	N	14	N	12	N	-	-	-	-
4	58	N	29	N	19	N	14	N	12	N	-	-	-	-
5	58	N	29	N	19	N	14	N	12	N	-	-	-	-
6	58	N	29	N	19	N	14	N	12	N	-	-	-	-

Limiting Factor: (N) Negative Load/Connection, (S) Core Shear, (B) Flexural Bending, (D) Deflection

TABLE 12 – KS Allowable Positive and Negative Transverse Loads for Triple Span (L/180)(PSF)

Panel Thickness (Inches)	42" Wide Panel - 26 Gauge Exterior/26 Gauge Interior Steel Skin													
	Span Between Supports (Feet)													
	2		4		6		8		10		12		14	
2	64	N	32	N	21	N	16	N	13	N	11	N	-	-
2.5	64	N	32	N	21	N	16	N	13	N	11	N	-	-
3	64	N	32	N	21	N	16	N	13	N	11	N	-	-
4	64	N	32	N	21	N	16	N	13	N	11	N	-	-
5	64	N	32	N	21	N	16	N	13	N	11	N	-	-
6	64	N	32	N	21	N	16	N	13	N	11	N	-	-

Limiting Factor: (N) Negative Load/Connection, (S) Core Shear, (B) Flexural Bending, (D) Deflection