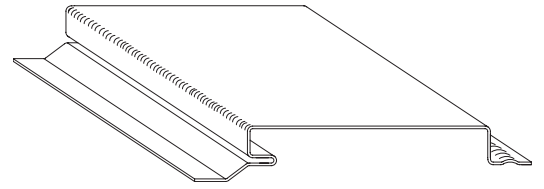




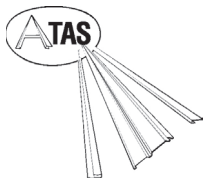
LOAD TABLES
ALUMINUM
ASTM B209
3003-H16
4" COVERAGE

OPALINE WALL PANEL OPF040



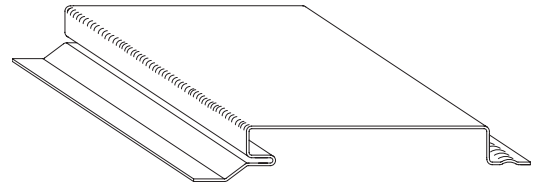
L/180 DEFLECTION CRITERIA .032							L/240 DEFLECTION CRITERIA .032						
SECTION PROPERTIES							SECTION PROPERTIES						
NEUTRAL AXIS			Yt = 0.080 in		Yb = 0.358 in.		NEUTRAL AXIS			Yt = 0.080 in		Yb = 0.358 in.	
MOMENT OF INERTIA			Ix = 0.013 in ⁴ /ft				MOMENT OF INERTIA			Ix = 0.013 in ⁴ /ft			
SECTION MODULES			St = 0.163 in ³ /ft				SECTION MODULES			St = 0.163 in ³ /ft			
LOAD (PSF)	DOWNWARD LOAD			UPWARD LOAD			LOAD (PSF)	DOWNWARD LOAD			UPWARD LOAD		
	SINGLE SPAN	DOUBLE SPAN	THREE SPAN	SINGLE SPAN	DOUBLE SPAN	THREE SPAN		SINGLE SPAN	DOUBLE SPAN	THREE SPAN	SINGLE SPAN	DOUBLE SPAN	THREE SPAN
10	* 3'- 4"	* 4'- 6"	* 4'- 2"	* 3'- 4"	* 4'- 6"	* 4'- 2"	10	* 3'- 0"	* 4'- 4"	* 3'- 9"	* 3'- 0"	* 4'- 4"	* 3'- 9"
15	* 2'- 11"	* 3'- 11"	* 3'- 7"	* 2'- 11"	* 3'- 11"	* 3'- 7"	15	* 2'- 8"	* 3'- 7"	* 3'- 3"	* 2'- 8"	* 3'- 7"	* 3'- 3"
20	* 2'- 8"	* 3'- 7"	* 3'- 3"	* 2'- 8"	* 3'- 7"	* 3'- 3"	20	* 2'- 5"	* 3'- 3"	* 3'- 0"	* 2'- 5"	* 3'- 3"	* 3'- 0"
25	* 2'- 5"	* 3'- 4"	* 3'- 1"	* 2'- 5"	* 3'- 4"	* 3'- 1"	25	* 2'- 3"	* 3'- 0"	* 2'- 9"	* 2'- 3"	* 3'- 0"	* 2'- 9"
30	* 2'- 4"	* 3'- 1"	* 2'- 10"	* 2'- 4"	* 3'- 1"	* 2'- 10"	30	* 2'- 1"	* 2'- 10"	* 2'- 7"	* 2'- 1"	* 2'- 10"	* 2'- 7"
35	* 2'- 2"	* 2'- 11"	* 2'- 9"	* 2'- 2"	* 2'- 11"	* 2'- 9"	35	* 2'- 0"	* 2'- 8"	* 2'- 6"	* 2'- 0"	* 2'- 8"	* 2'- 6"
40	* 2'- 1"	* 2'- 10"	* 2'- 7"	* 2'- 1"	* 2'- 10"	* 2'- 7"	40	* 1'- 11"	* 2'- 7"	* 2'- 4"	* 1'- 11"	* 2'- 7"	* 2'- 4"
45	* 2'- 0"	* 2'- 9"	* 2'- 6"	* 2'- 0"	* 2'- 9"	* 2'- 6"	45	* 1'- 10"	* 2'- 6"	* 2'- 3"	* 1'- 10"	* 2'- 6"	* 2'- 3"
50	* 1'- 11"	* 2'- 5"	* 2'- 5"	* 1'- 11"	* 2'- 7"	* 2'- 5"	50	* 1'- 9"	* 2'- 4"	* 2'- 2"	* 1'- 9"	* 2'- 4"	* 2'- 2"
55	* 1'- 11"	* 2'- 6"	* 2'- 4"	* 1'- 11"	* 2'- 6"	* 2'- 4"	55	* 1'- 8"	* 2'- 4"	* 2'- 1"	* 1'- 8"	* 2'- 4"	* 2'- 1"
60	* 1'- 10"	2'- 5"	* 2'- 3"	* 1'- 10"	2'- 5"	* 2'- 3"	60	* 1'- 8"	* 2'- 3"	* 2'- 1"	* 1'- 8"	* 2'- 3"	* 2'- 1"
65	* 1'- 9"	2'- 4"	* 2'- 2"	* 1'- 9"	2'- 4"	* 2'- 2"	65	* 1'- 7"	* 2'- 2"	* 2'- 0"	* 1'- 7"	* 2'- 2"	* 2'- 0"
70	* 1'- 9"	2'- 3"	* 2'- 2"	* 1'- 9"	2'- 3"	* 2'- 2"	70	* 1'- 7"	* 2'- 1"	* 1'- 11"	* 1'- 7"	* 2'- 1"	* 1'- 11"
L/180 DEFLECTION CRITERIA .040							L/240 DEFLECTION CRITERIA .040						
SECTION PROPERTIES							SECTION PROPERTIES						
NEUTRAL AXIS			Yt = 0.084 in		Yb = 0.353 in.		NEUTRAL AXIS			Yt = 0.084 in		Yb = 0.353 in.	
MOMENT OF INERTIA			Ix = 0.015 in ⁴ /ft				MOMENT OF INERTIA			Ix = 0.015 in ⁴ /ft			
SECTION MODULES			St = 0.178 in ³ /ft				SECTION MODULES			St = 0.178 in ³ /ft			
LOAD (PSF)	DOWNWARD LOAD			UPWARD LOAD			LOAD (PSF)	DOWNWARD LOAD			UPWARD LOAD		
	SINGLE SPAN	DOUBLE SPAN	THREE SPAN	SINGLE SPAN	DOUBLE SPAN	THREE SPAN		SINGLE SPAN	DOUBLE SPAN	THREE SPAN	SINGLE SPAN	DOUBLE SPAN	THREE SPAN
10	* 3'- 6"	* 4'- 9"	* 4'- 4"	* 3'- 6"	* 4'- 9"	* 4'- 4"	10	* 3'- 2"	* 4'- 3"	* 3'- 11"	* 3'- 2"	* 4'- 3"	* 3'- 11"
15	* 3'- 1"	* 4'- 1"	* 3'- 10"	* 3'- 1"	* 4'- 1"	* 3'- 10"	15	* 2'- 9"	* 3'- 9"	* 3'- 5"	* 2'- 9"	* 3'- 9"	* 3'- 5"
20	* 2'- 9"	* 3'- 9"	* 3'- 5"	* 2'- 9"	* 3'- 9"	* 3'- 5"	20	* 2'- 6"	* 3'- 5"	* 3'- 2"	* 2'- 6"	* 3'- 5"	* 3'- 2"
25	* 2'- 7"	* 3'- 6"	* 3'- 2"	* 2'- 7"	* 3'- 6"	* 3'- 2"	25	* 2'- 4"	* 3'- 2"	* 2'- 11"	* 2'- 4"	* 3'- 2"	* 2'- 11"
30	* 2'- 5"	* 3'- 3"	* 3'- 0"	* 2'- 5"	* 3'- 3"	* 3'- 0"	30	* 2'- 2"	* 3'- 0"	* 2'- 9"	* 2'- 2"	* 3'- 0"	* 2'- 9"
35	* 2'- 4"	* 3'- 1"	* 2'- 10"	* 2'- 4"	* 3'- 1"	* 2'- 10"	35	* 2'- 1"	* 2'- 10"	* 2'- 7"	* 2'- 1"	* 2'- 10"	* 2'- 7"
40	* 2'- 2"	* 3'- 0"	* 2'- 9"	* 2'- 2"	* 3'- 0"	* 2'- 9"	40	* 2'- 0"	* 2'- 8"	* 2'- 6"	* 2'- 0"	* 2'- 8"	* 2'- 6"
45	* 2'- 1"	* 2'- 10"	* 2'- 7"	* 2'- 1"	* 2'- 10"	* 2'- 7"	45	* 1'- 11"	* 2'- 7"	* 2'- 5"	* 1'- 11"	* 2'- 7"	* 2'- 5"
50	* 2'- 0"	* 2'- 9"	* 2'- 6"	* 2'- 0"	* 2'- 9"	* 2'- 6"	50	* 1'- 10"	* 2'- 6"	* 2'- 4"	* 1'- 10"	* 2'- 6"	* 2'- 4"
55	* 2'- 0"	* 2'- 8"	* 2'- 5"	* 2'- 0"	* 2'- 8"	* 2'- 5"	55	* 1'- 9"	* 2'- 5"	* 2'- 3"	* 1'- 9"	* 2'- 5"	* 2'- 3"
60	* 1'- 11"	2'- 7"	* 2'- 5"	* 1'- 11"	2'- 7"	* 2'- 5"	60	* 1'- 9"	* 2'- 4"	* 2'- 2"	* 1'- 9"	* 2'- 4"	* 2'- 2"
65	* 1'- 10"	2'- 5"	* 2'- 4"	* 1'- 10"	2'- 5"	* 2'- 4"	65	* 1'- 8"	* 2'- 3"	* 2'- 1"	* 1'- 8"	* 2'- 3"	* 2'- 1"
70	* 1'- 10"	2'- 4"	* 2'- 3"	* 1'- 10"	2'- 4"	* 2'- 3"	70	* 1'- 8"	* 2'- 3"	* 2'- 1"	* 1'- 8"	* 2'- 3"	* 2'- 1"

- Notes:
- * Indicates maximum span controlled by deflection.
 - All loads are applied perpendicular to surface of panel.
 - No increase for wind loading has been assumed.
 - Since allowable loads and spans can be affected actual conditions of use, information in these tables is intended for the use only by those qualified to assess these effects.



LOAD TABLES
STEEL
ASTM A653
SS 33
4" COVERAGE

OPALINE WALL PANEL OPF040



L/180 DEFLECTION CRITERIA 24 GAUGE FY=33KSI							L/240 DEFLECTION CRITERIA 24 GAUGE FY=33KSI						
SECTION PROPERTIES							SECTION PROPERTIES						
NEUTRAL AXIS			Yt= 0.120 in		Yb= 0.308 in		NEUTRAL AXIS			Yt= 0.120 in		Yb= 0.308 in	
MOMENT OF INTERIA			Ix= 0.00839 in ⁴ /ft				MOMENT OF INTERIA			Ix= 0.00839 in ⁴ /ft			
SECTION MODULUS			St= 0.065 in ³ /ft		Sb= 0.027 in ³ /ft		SECTION MODULUS			St= 0.065 in ³ /ft		Sb= 0.027 in ³ /ft	
LOAD (PSF)	DOWNWARD LOAD			UPWARD LOAD			LOAD (PSF)	DOWNWARD LOAD			UPWARD LOAD		
	SINGLE SPAN	DOUBLE SPAN	THREE SPAN	SINGLE SPAN	DOUBLE SPAN	THREE SPAN		SINGLE SPAN	DOUBLE SPAN	THREE SPAN	SINGLE SPAN	DOUBLE SPAN	THREE SPAN
10	* 4'- 2"	* 5'- 7"	* 5'- 2"	* 4'- 2"	* 5'- 7"	* 5'- 2"	10	* 3'- 9"	* 5'- 1"	* 4'- 8"	* 3'- 9"	* 5'- 1"	* 4'- 8"
15	* 3'- 7"	4'- 10"	* 4'- 6"	* 3'- 7"	4'- 10"	* 4'- 6"	15	* 3'- 3"	* 4'- 5"	* 4'- 1"	* 3'- 3"	* 4'- 5"	* 4'- 1"
20	* 3'- 3"	4'- 2"	* 4'- 1"	* 3'- 3"	4'- 2"	* 4'- 1"	20	* 3'- 0"	* 4'- 0"	* 3'- 8"	* 3'- 0"	* 4'- 0"	* 3'- 8"
25	* 3'- 1"	3'- 9"	* 3'- 9"	* 3'- 1"	3'- 9"	* 3'- 9"	25	* 2'- 9"	* 3'- 9"	* 3'- 5"	* 2'- 9"	* 3'- 9"	* 3'- 5"
30	* 2'- 10"	3'- 5"	* 3'- 7"	* 2'- 10"	3'- 5"	* 3'- 7"	30	* 2'- 7"	3'- 5"	* 3'- 3"	* 2'- 7"	3'- 5"	* 3'- 3"
35	* 2'- 9"	3'- 2"	* 3'- 4"	* 2'- 9"	3'- 2"	* 3'- 4"	35	* 2'- 6"	3'- 2"	* 3'- 1"	* 2'- 6"	3'- 2"	* 3'- 1"
40	* 2'- 7"	2'- 11"	* 3'- 3"	* 2'- 7"	2'- 11"	* 3'- 3"	40	* 2'- 4"	2'- 11"	* 2'- 11"	* 2'- 4"	2'- 11"	* 2'- 11"
45	* 2'- 6"	2'- 9"	* 3'- 1"	* 2'- 6"	2'- 9"	* 3'- 1"	45	* 2'- 3"	2'- 9"	* 2'- 10"	* 2'- 3"	2'- 9"	* 2'- 10"
50	* 2'- 5"	2'- 8"	2'- 11"	* 2'- 5"	2'- 8"	2'- 11"	50	* 2'- 2"	2'- 8"	* 2'- 8"	* 2'- 2"	2'- 8"	* 2'- 8"
55	* 2'- 4"	2'- 6"	2'- 10"	* 2'- 4"	2'- 6"	2'- 10"	55	* 2'- 1"	2'- 6"	* 2'- 7"	* 2'- 1"	2'- 6"	* 2'- 7"
60	* 2'- 3"	2'- 5"	2'- 8"	* 2'- 3"	2'- 5"	2'- 8"	60	* 2'- 1"	2'- 5"	* 2'- 7"	* 2'- 1"	2'- 5"	* 2'- 7"
65	* 2'- 2"	2'- 4"	2'- 7"	* 2'- 2"	2'- 4"	2'- 7"	65	* 2'- 0"	2'- 4"	* 2'- 6"	* 2'- 0"	2'- 4"	* 2'- 6"
70	* 2'- 2"	2'- 3"	2'- 6"	* 2'- 2"	2'- 3"	2'- 6"	70	* 1'- 11"	2'- 3"	* 2'- 5"	* 1'- 11"	2'- 3"	* 2'- 5"

- Notes:
- * Indicates maximum span controlled by deflection.
 - All loads are applied perpendicular to surface of panel.
 - No increase for wind loading has been assumed.
 - Since allowable loads and spans can be affected actual conditions of use, information in these tables is intended for the use only by those qualified to assess these effects.