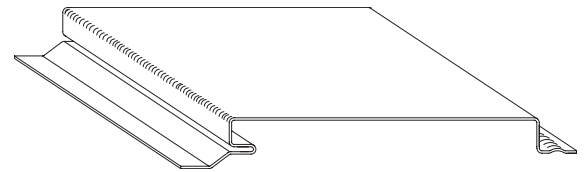


LOAD TABLES
ALUMINUM
ASTM B209
3003-H16
6" COVERAGE

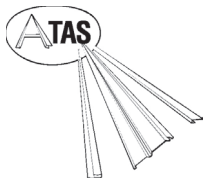
OPALINE PANEL OPF060



L/180 DEFLECTION CRITERIA GAUGE 0.032							L/240 DEFLECTION CRITERIA GAUGE 0.032						
SECTION PROPERTIES							SECTION PROPERTIES						
NEUTRAL AXIS			Yt= 0.056 in		Yb= 0.382 in		NEUTRAL AXIS			Yt= 0.056 in		Yb= 0.382 in	
MOMENT OF INTERIA			Ix= 0.0083 in ⁴ /ft				MOMENT OF INTERIA			Ix= 0.0083 in ⁴ /ft			
SECTION MODULUS			St= 0.149 in ³ /ft		Sb= 0.022 in ³ /ft		SECTION MODULUS			St= 0.149 in ³ /ft		Sb= 0.022 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	* 2'- 11"	* 3'- 10"	* 3'- 7"	* 2'- 11"	* 3'- 10"	* 3'- 7"	10	* 2'- 7"	* 3'- 6"	* 3'- 3"	* 2'- 7"	* 3'- 6"	* 3'- 3"
15	* 2'- 6"	* 3'- 5"	* 3'- 1"	* 2'- 6"	* 3'- 5"	* 3'- 1"	15	* 2'- 3"	* 3'- 1"	* 2'- 10"	* 2'- 3"	* 3'- 1"	* 2'- 10"
20	* 2'- 3"	* 3'- 1"	* 2'- 10"	* 2'- 3"	* 3'- 1"	* 2'- 10"	20	* 2'- 1"	* 2'- 9"	* 2'- 7"	* 2'- 1"	* 2'- 9"	* 2'- 7"
25	* 2'- 1"	* 2'- 10"	* 2'- 7"	* 2'- 1"	* 2'- 10"	* 2'- 7"	25	* 1'- 11"	* 2'- 7"	* 2'- 4"	* 1'- 11"	* 2'- 7"	* 2'- 4"
30	* 2'- 0"	* 2'- 8"	* 2'- 6"	* 2'- 0"	* 2'- 8"	* 2'- 6"	30	* 1'- 10"	* 2'- 5"	* 2'- 3"	* 1'- 10"	* 2'- 5"	* 2'- 3"
35	* 1'- 11"	2'- 6"	* 2'- 4"	* 1'- 11"	2'- 6"	* 2'- 4"	35	* 1'- 8"	* 2'- 4"	* 2'- 1"	* 1'- 8"	* 2'- 4"	* 2'- 1"
40	* 1'- 10"	2'- 4"	* 2'- 3"	* 1'- 10"	2'- 4"	* 2'- 3"	40	* 1'- 8"	* 2'- 2"	* 2'- 0"	* 1'- 8"	* 2'- 2"	* 2'- 0"
45	* 1'- 9"	2'- 2"	* 2'- 2"	* 1'- 9"	2'- 2"	* 2'- 2"	45	* 1'- 7"	* 2'- 1"	* 1'- 11"	* 1'- 7"	* 2'- 1"	* 1'- 11"
50	* 1'- 8"	2'- 1"	2'- 1"	* 1'- 8"	2'- 1"	2'- 1"	50	* 1'- 6"	* 2'- 0"	* 1'- 11"	* 1'- 6"	* 2'- 0"	* 1'- 11"
55	* 1'- 7"	2'- 0"	2'- 0"	* 1'- 7"	2'- 0"	2'- 0"	55	* 1'- 6"	2'- 0"	* 1'- 10"	* 1'- 6"	2'- 0"	* 1'- 10"
60	* 1'- 7"	1'- 11"	1'- 11"	* 1'- 7"	1'- 11"	1'- 11"	60	* 1'- 5"	1'- 11"	* 1'- 9"	* 1'- 5"	1'- 11"	* 1'- 9"
65	* 1'- 6"	1'- 10"	1'- 10"	* 1'- 6"	1'- 10"	1'- 10"	65	* 1'- 5"	1'- 10"	* 1'- 9"	* 1'- 5"	1'- 10"	* 1'- 9"
70	* 1'- 6"	1'- 9"	1'- 9"	* 1'- 6"	1'- 9"	1'- 9"	70	* 1'- 4"	1'- 9"	* 1'- 8"	* 1'- 4"	1'- 9"	* 1'- 8"

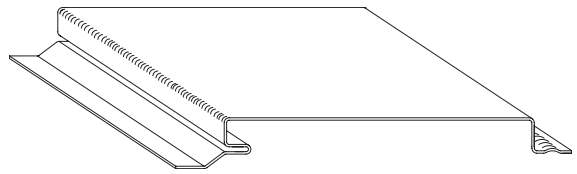
L/180 DEFLECTION CRITERIA GAUGE 0.040							L/240 DEFLECTION CRITERIA GAUGE 0.040						
SECTION PROPERTIES							SECTION PROPERTIES						
NEUTRAL AXIS			Yt= 0.062 in		Yb= 0.396 in		NEUTRAL AXIS			Yt= 0.062 in		Yb= 0.396 in	
MOMENT OF INTERIA			Ix= 0.012 in ⁴ /ft				MOMENT OF INTERIA			Ix= 0.012 in ⁴ /ft			
SECTION MODULUS			St= 0.194 in ³ /ft		Sb= 0.032 in ³ /ft		SECTION MODULUS			St= 0.194 in ³ /ft		Sb= 0.032 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'- 3"	* 4'- 5"	* 4'- 0"	* 3'- 3"	* 4'- 5"	* 4'- 0"	10	* 2'- 11"	* 4'- 0"	* 3'- 8"	* 2'- 11"	* 4'- 0"	* 3'- 8"
15	* 2'- 10"	* 3'- 10"	* 3'- 6"	* 2'- 10"	* 3'- 10"	* 3'- 6"	15	* 2'- 7"	* 3'- 6"	* 3'- 2"	* 2'- 7"	* 3'- 6"	* 3'- 2"
20	* 2'- 7"	* 3'- 6"	* 3'- 2"	* 2'- 7"	* 3'- 6"	* 3'- 2"	20	* 2'- 4"	* 3'- 2"	* 2'- 11"	* 2'- 4"	* 3'- 2"	* 2'- 11"
25	* 2'- 5"	* 3'- 3"	* 3'- 0"	* 2'- 5"	* 3'- 3"	* 3'- 0"	25	* 2'- 2"	* 2'- 11"	* 2'- 8"	* 2'- 2"	* 2'- 11"	* 2'- 8"
30	* 2'- 3"	* 3'- 0"	* 2'- 9"	* 2'- 3"	* 3'- 0"	* 2'- 9"	30	* 2'- 0"	* 2'- 9"	* 2'- 6"	* 2'- 0"	* 2'- 9"	* 2'- 6"
35	* 2'- 2"	* 2'- 10"	* 2'- 8"	* 2'- 2"	* 2'- 10"	* 2'- 8"	35	* 1'- 11"	* 2'- 7"	* 2'- 5"	* 1'- 11"	* 2'- 7"	* 2'- 5"
40	* 2'- 0"	* 2'- 9"	* 2'- 6"	* 2'- 0"	* 2'- 9"	* 2'- 6"	40	* 1'- 10"	* 2'- 6"	* 2'- 4"	* 1'- 10"	* 2'- 6"	* 2'- 4"
45	* 1'- 11"	* 2'- 8"	* 2'- 5"	* 1'- 11"	* 2'- 8"	* 2'- 5"	45	* 1'- 9"	* 2'- 5"	* 2'- 2"	* 1'- 9"	* 2'- 5"	* 2'- 2"
50	* 1'- 11"	2'- 6"	* 2'- 4"	* 1'- 11"	2'- 6"	* 2'- 4"	50	* 1'- 9"	* 2'- 4"	* 2'- 1"	* 1'- 9"	* 2'- 4"	* 2'- 1"
55	* 1'- 10"	2'- 5"	* 2'- 3"	* 1'- 10"	2'- 5"	* 2'- 3"	55	* 1'- 8"	* 2'- 3"	* 2'- 1"	* 1'- 8"	* 2'- 3"	* 2'- 1"
60	* 1'- 9"	2'- 3"	* 2'- 2"	* 1'- 9"	2'- 3"	* 2'- 2"	60	* 1'- 7"	* 2'- 2"	* 2'- 0"	* 1'- 7"	* 2'- 2"	* 2'- 0"
65	* 1'- 9"	2'- 2"	* 2'- 2"	* 1'- 9"	2'- 2"	* 2'- 2"	65	* 1'- 7"	* 2'- 1"	* 1'- 11"	* 1'- 7"	* 2'- 1"	* 1'- 11"
70	* 1'- 8"	2'- 1"	* 2'- 1"	* 1'- 8"	2'- 1"	* 2'- 1"	70	* 1'- 6"	* 2'- 1"	* 1'- 11"	* 1'- 6"	* 2'- 1"	* 1'- 11"

- Notes:
- * Indicates maximum span controlled by deflection.
 - All loads are perpendicular to surface of panel.
 - No increase for wind loading has been assumed.
 - Since allowable loads and spans can be affected by actual conditions of use, information in these tables is intended for use only by those qualified to assess these effects.
 - Load tables are based upon section property analysis. Other factors such as fastener adequacy may apply to allowable span conditions per project.



LOAD TABLES
STEEL
ASTM A653
SS 33
6" COVERAGE

OPALINE PANEL OPF060



L/180 DEFLECTION CRITERIA							L/240 DEFLECTION CRITERIA						
24 GAUGE FY= 33 KSI							24 GAUGE FY= 33 KSI						
SECTION PROPERTIES							SECTION PROPERTIES						
NEUTRAL AXIS Yt= 0.110 in Yb= 0.327 in							NEUTRAL AXIS Yt= 0.110 in Yb= 0.327 in						
MOMENT OF INTERIA Ix= 0.006023 in ⁴ /ft							MOMENT OF INTERIA Ix= 0.006023 in ⁴ /ft						
SECTION MODULUS St= 0.055 in ³ /ft Sb= 0.018 in ³ /ft							SECTION MODULUS St= 0.055 in ³ /ft Sb= 0.018 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'- 8"	4'- 10"	* 4'- 7"	4'- 10"	4'- 10"	5'- 5"	10	* 3'- 4"	* 4'- 6"	* 4'- 2"	4'- 10"	4'- 10"	5'- 5"
15	* 3'- 3"	3'- 11"	* 4'- 0"	3'- 11"	3'- 11"	4'- 5"	15	* 2'- 11"	3'- 11"	* 3'- 8"	3'- 11"	3'- 11"	4'- 5"
20	* 2'- 11"	3'- 5"	* 3'- 8"	3'- 5"	3'- 5"	3'- 10"	20	* 2'- 8"	3'- 5"	* 3'- 4"	3'- 5"	3'- 5"	3'- 10"
25	* 2'- 9"	3'- 0"	* 3'- 4"	3'- 0"	3'- 0"	3'- 5"	25	* 2'- 6"	3'- 0"	* 3'- 1"	3'- 0"	3'- 0"	3'- 5"
30	* 2'- 7"	2'- 9"	3'- 1"	2'- 9"	2'- 9"	3'- 1"	30	* 2'- 4"	2'- 9"	* 2'- 11"	2'- 9"	2'- 9"	3'- 1"
35	* 2'- 5"	2'- 7"	2'- 10"	2'- 7"	2'- 7"	2'- 10"	35	* 2'- 2"	2'- 7"	* 2'- 9"	2'- 7"	2'- 7"	2'- 10"
40	* 2'- 4"	2'- 5"	2'- 8"	2'- 5"	2'- 5"	2'- 8"	40	* 2'- 1"	2'- 5"	* 2'- 7"	2'- 5"	2'- 5"	2'- 8"
45	* 2'- 3"	2'- 3"	2'- 6"	2'- 3"	2'- 3"	2'- 6"	45	* 2'- 0"	2'- 3"	* 2'- 6"	2'- 3"	2'- 3"	2'- 6"
50	2'- 2"	2'- 2"	2'- 5"	2'- 2"	2'- 2"	2'- 5"	50	* 1'- 11"	2'- 2"	2'- 5"	2'- 2"	2'- 2"	2'- 5"
55	2'- 0"	2'- 0"	2'- 3"	2'- 0"	2'- 0"	2'- 3"	55	* 1'- 11"	2'- 0"	2'- 3"	2'- 0"	2'- 0"	2'- 3"
60	1'- 11"	1'- 11"	2'- 2"	1'- 11"	1'- 11"	2'- 2"	60	* 1'- 10"	1'- 11"	2'- 2"	1'- 11"	1'- 11"	2'- 2"
65	1'- 10"	1'- 10"	2'- 1"	1'- 10"	1'- 10"	2'- 1"	65	* 1'- 9"	1'- 10"	2'- 1"	1'- 10"	1'- 10"	2'- 1"
70	1'- 10"	1'- 10"	2'- 0"	1'- 10"	1'- 10"	2'- 0"	70	* 1'- 9"	1'- 10"	2'- 0"	1'- 10"	1'- 10"	2'- 0"

- 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 by actual conditions of use, information in these tables is intended for use only by those qualified to assess these effects.
 - Load tables are based upon section property analysis. Other factors such as fastener adequacy may apply to allowable span conditions per project.