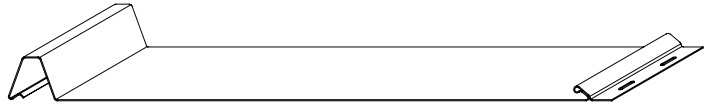


LOAD TABLES
 STEEL
 ASTM A653
 SS 40
 16" COVERAGE

ECO-SEAM PANEL ECO160



L/180 DEFLECTION CRITERIA							L/240 DEFLECTION CRITERIA						
.021							.021						
FY=40KSI							FY=40KSI						
POSITIVE BENDING			NEGATIVE BENDING				POSITIVE BENDING			NEGATIVE BENDING			
Yt= 1.121 in.			Yt= 0.598 in.				Yt= 1.121 in.			Yt= 0.598 in.			
S= 0.035 cubic in./ft. (bend.)			S= 0.021 cubic in./ft. (bend.)				S= 0.035 cubic in./ft. (bend.)			S= 0.021 cubic in./ft. (bend.)			
I= 0.039 in.^4/ft. (defl.)			I= 0.015 in.^4/ft. (defl.)				I= 0.039 in.^4/ft. (defl.)			I= 0.015 in.^4/ft. (defl.)			
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	* 6'- 11"	5'- 9"	6'- 5"	* 5'- 0"	* 6'- 9"	* 6'- 3"	10	* 6'- 4"	5'- 9"	6'- 5"	* 4'- 7"	* 6'- 2"	* 5'- 8"
15	* 6'- 1"	4'- 8"	5'- 3"	* 4'- 5"	* 5'- 11"	* 5'- 5"	15	* 5'- 6"	4'- 8"	5'- 3"	* 4'- 0"	* 5'- 4"	* 4'- 11"
20	5'- 3"	4'- 1"	4'- 6"	* 4'- 0"	5'- 3"	* 4'- 11"	20	* 5'- 0"	4'- 1"	4'- 6"	* 3'- 7"	* 4'- 10"	* 4'- 6"
25	4'- 8"	3'- 7"	4'- 1"	3'- 7"	4'- 8"	4'- 5"	25	* 4'- 8"	3'- 7"	4'- 1"	* 3'- 4"	* 4'- 6"	* 4'- 2"
30	4'- 3"	3'- 4"	3'- 8"	3'- 4"	4'- 3"	4'- 1"	30	4'- 3"	3'- 4"	3'- 8"	* 3'- 2"	* 4'- 3"	* 3'- 11"
35	4'- 0"	3'- 1"	3'- 5"	3'- 1"	4'- 0"	3'- 9"	35	4'- 0"	3'- 1"	3'- 5"	* 3'- 0"	4'- 0"	* 3'- 9"
40	3'- 8"	2'- 10"	3'- 2"	2'- 10"	3'- 8"	3'- 6"	40	3'- 8"	2'- 10"	3'- 2"	2'- 10"	3'- 8"	3'- 6"
45	3'- 6"	2'- 8"	3'- 0"	2'- 8"	3'- 6"	3'- 4"	45	3'- 6"	2'- 8"	3'- 0"	2'- 8"	3'- 6"	3'- 4"
50	3'- 4"	2'- 7"	2'- 10"	2'- 7"	3'- 4"	3'- 2"	50	3'- 4"	2'- 7"	2'- 10"	2'- 7"	3'- 4"	3'- 2"
55	3'- 2"	2'- 5"	2'- 9"	2'- 5"	3'- 2"	3'- 0"	55	3'- 2"	2'- 5"	2'- 9"	2'- 5"	3'- 2"	3'- 0"
60	3'- 0"	2'- 4"	2'- 7"	2'- 4"	3'- 0"	2'- 10"	60	3'- 0"	2'- 4"	2'- 7"	2'- 4"	3'- 0"	2'- 10"
65	2'- 11"	2'- 3"	2'- 6"	2'- 3"	2'- 11"	2'- 9"	65	2'- 11"	2'- 3"	2'- 6"	2'- 3"	2'- 11"	2'- 9"
70	2'- 9"	2'- 2"	2'- 5"	2'- 2"	2'- 9"	2'- 8"	70	2'- 9"	2'- 2"	2'- 5"	2'- 2"	2'- 9"	2'- 8"

Notes:

- * Indicated 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.