CORRA-LOK PANEL
MFC160

FTY=17KSI			
Positive and Negative Bending			
	0.032	0.040	0.050
Y=	0.438 in	0.438 in	0.438 in
S=	0.092 in³/ft	0.117 in³/ft	0.147 in³/ft
I=	0.040 in⁴/ft	0.051 in⁴/ft	0.065 in⁴/ft
M_a=	0.074 ft-k/ft	0.096 ft-k/ft	0.123 ft-k/ft
$P_{c,int}$=	0.528 k/ft	0.847 k/ft	1.351 k/ft
$P_{c,end}$=	0.257 k/ft	0.412 k/ft	0.658 k/ft

0.032" Aluminum

Load (psf)	L/240 Deflection Criteria			L/180 Deflection Criteria			L/120 Deflection Criteria		
	Single	Double	Triple	Single	Double	Triple	Single	Double	Triple
10	*4'-5"	*6'-0"	*5'-6"	*4'-11"	*6'-7"	*6'-1"	*5'-7"	7'-5"	*6'-11"
15	*3'-11"	*5'-3"	*4'-10"	*4'-3"	*5'-9"	*5'-4"	*4'-11"	6'-0"	*6'-1"
20	*3'-6"	*4'-9"	*4'-4"	*3'-11"	5'-2"	*4'-10"	*4'-5"	5'-2"	*5'-6"
25	*3'-3"	*4'-5"	*4'-1"	*3'-7"	4'-7"	*4'-5"	*4'-2"	4'-7"	*5'-1"
30	*3'-1"	*4'-2"	*3'-10"	*3'-5"	4'-2"	*4'-2"	*3'-11"	4'-2"	4'-8"
35	*2'-11"	3'-10"	*3'-7"	*3'-3"	3'-10"	*4'-0"	*3'-8"	3'-10"	4'-3"
40	*2'-9"	3'-6"	*3'-5"	*3'-1"	3'-6"	*3'-10"	*3'-6"	3'-6"	4'-0"
45	*2'-8"	3'-4"	*3'-4"	*2'-11"	3'-4"	*3'-8"	*3'-5"	3'-4"	3'-9"
50	*2'-7"	3'-1"	*3'-2"	*2'-10"	3'-1"	3'-6"	*3'-3"	3'-1"	3'-6"
55	*2'-6"	2'-11"	*3'-1"	*2'-9"	2'-11"	3'-4"	*3'-2"	2'-11"	3'-4"
60	*2'-5"	2'-10"	*3'-0"	*2'-8"	2'-10"	3'-2"	3'-1"	2'-10"	3'-2"
65	*2'-4"	2'-8"	*2'-11"	*2'-7"	2'-8"	3'-0"	3'-0"	2'-8"	3'-0"
70	*2'-4"	2'-7"	*2'-10"	*2'-6"	2'-7"	2'-10"	2'-10"	2'-7"	2'-10"
75	*2'-3"	2'-5"	2'-9"	*2'-6"	2'-5"	2'-9"	2'-9"	2'-5"	2'-9"
80	*2'-2"	2'-4"	2'-8"	*2'-5"	2'-4"	2'-8"	2'-8"	2'-4"	2'-8"
85	*2'-2"	2'-3"	2'-7"	*2'-5"	2'-3"	2'-7"	2'-7"	2'-3"	2'-7"
90	*2'-1"	2'-2"	2'-6"	*2'-4"	2'-2"	2'-6"	2'-6"	2'-2"	2'-6"
95	*2'-1"	2'-2"	2'-5"	*2'-3"	2'-2"	2'-5"	2'-5"	2'-2"	2'-5"
100	*2'-1"	2'-1"	2'-4"	*2'-3"	2'-1"	2'-4"	2'-5"	2'-1"	2'-4"

0.040" Aluminum

Load (psf)	L/240 Deflection Criteria			L/180 Deflection Criteria			L/120 Deflection Criteria		
	Single	Double	Triple	Single	Double	Triple	Single	Double	Triple
10	*4'-10"	*6'-6"	*6'-0"	*5'-4"	*7'-1"	*6'-7"	*6'-1"	*8'-2"	*7'-6"
15	*4'-2"	*5'-8"	*5'-2"	*4'-8"	*6'-3"	*5'-9"	*5'-4"	6'-11"	*6'-7"
20	*3'-10"	*5'-1"	*4'-9"	*4'-2"	*5'-8"	*5'-2"	*4'-10"	6'-0"	*6'-0"
25	*3'-6"	*4'-9"	*4'-5"	*3'-11"	*5'-3"	*4'-10"	*4'-6"	5'-4"	*5'-6"
30	*3'-4"	*4'-6"	*4'-1"	*3'-8"	4'-10"	*4'-6"	*4'-2"	4'-10"	*5'-2"
35	*3'-2"	*4'-3"	*3'-11"	*3'-6"	4'-5"	*4'-4"	*4'-0"	4'-5"	*4'-11"
40	*3'-0"	*4'-1"	*3'-9"	*3'-4"	4'-2"	*4'-1"	*3'-10"	4'-2"	4'-8"
45	*2'-11"	3'-11"	*3'-7"	*3'-2"	3'-11"	*4'-0"	*3'-8"	3'-11"	4'-4"
50	*2'-10"	3'-8"	*3'-6"	*3'-1"	3'-8"	*3'-10"	*3'-6"	3'-8"	4'-1"
55	*2'-9"	3'-6"	*3'-4"	*3'-0"	3'-6"	*3'-8"	*3'-5"	3'-6"	3'-11"
60	*2'-8"	3'-4"	*3'-3"	*2'-11"	3'-4"	*3'-7"	*3'-4"	3'-4"	3'-9"
65	*2'-7"	3'-2"	*3'-2"	*2'-10"	3'-2"	*3'-6"	*3'-3"	3'-2"	3'-7"
70	*2'-6"	3'-1"	*3'-1"	*2'-9"	3'-1"	*3'-5"	*3'-2"	3'-1"	3'-5"
75	*2'-5"	2'-11"	*3'-0"	*2'-8"	2'-11"	3'-3"	*3'-1"	2'-11"	3'-3"
80	*2'-5"	2'-10"	*3'-0"	*2'-8"	2'-10"	3'-2"	*3'-0"	2'-10"	3'-2"
85	*2'-4"	2'-9"	*2'-11"	*2'-7"	2'-9"	3'-1"	2'-11"	2'-9"	3'-1"
90	*2'-4"	2'-8"	*2'-10"	*2'-6"	2'-8"	3'-0"	2'-10"	2'-8"	3'-0"
95	*2'-3"	2'-7"	*2'-10"	*2'-6"	2'-7"	2'-11"	2'-9"	2'-7"	2'-11"
100	*2'-3"	2'-6"	*2'-9"	*2'-5"	2'-6"	2'-9"	2'-9"	2'-6"	2'-9"

0.050" Aluminum

Load (psf)	L/240 Deflection Criteria			L/180 Deflection Criteria			L/120 Deflection Criteria		
	Single	Double	Triple	Single	Double	Triple	Single	Double	Triple
10	*5'-3"	*7'-0"	*6'-5"	*5'-9"	*7'-8"	*7'-1"	*6'-7"	*8'-10"	*8'-2"
15	*4'-7"	*6'-1"	*5'-8"	*5'-0"	*6'-9"	*6'-2"	*5'-9"	*7'-8"	*7'-1"
20	*4'-2"	*5'-6"	*5'-1"	*4'-7"	*6'-1"	*5'-8"	*5'-3"	6'-10"	*6'-5"
25	*3'-10"	*5'-2"	*4'-9"	*4'-3"	*5'-8"	*5'-3"	*4'-10"	6'-1"	*6"-0"
30	*3'-7"	*4'-10"	*4'-5"	*4'-0"	*5'-4"	*4'-11"	*4'-7"	5'-7"	*5'-8"
35	*3'-5"	*4'-7"	*4'-3"	*3'-9"	*5'-1"	*4'-8"	*4'-4"	5'-2"	*5'-4"
40	*3'-3"	*4'-5"	*4'-1"	*3'-7"	4'-9"	*4'-5"	*4'-2"	4'-9"	*5'-1"
45	*3'-2"	*4'-3"	*3'-11"	*3'-6"	4'-6"	*4'-3"	*4'-0"	4'-6"	*4'-11"
50	*3'-0"	*4'-1"	*3'-9"	*3'-4"	4'-3"	*4'-2"	*3'-10"	4'-3"	*4'-9"
55	*2'-11"	*3'-11"	*3'-8"	*3'-3"	4'-1"	*4'-0"	*3'-8"	4'-1"	4'-6"
60	*2'-10"	*3'-10"	*3'-6"	*3'-2"	3'-10"	*3'-11"	*3'-7"	3'-10"	4'-4"
65	*2'-9"	3'-8"	*3'-5"	*3'-1"	3'-8"	*3'-9"	*3'-6"	3'-8"	4'-2"
70	*2'-8"	3'-7"	*3'-4"	*3'-0"	3'-7"	*3'-8"	*3'-5"	3'-7"	4'-0"
75	*2'-8"	3'-5"	*3'-3"	*2'-11"	3'-5"	*3'-7"	*3'-4"	3'-5"	3'-10"
80	*2'-7"	3'-4"	*3'-2"	*2'-10"	3'-4"	*3'-6"	*3'-3"	3'-4"	3'-9"
85	*2'-6"	3'-2"	*3'-2"	*2'-9"	3'-2"	*3'-5"	*3'-2"	3'-2"	3'-7"
90	*2'-6"	3'-1"	*3'-1"	*2'-9"	3'-1"	*3'-5"	*3'-2"	3'-1"	3'-6"
95	*2'-5"	3'-0"	*3'-0"	*2'-8"	3'-0"	*3'-4"	*3'-1"	3'-0"	3'-5"
100	*2'-5"	2'-11"	*3'-0"	*2'-8"	2'-11"	*3'-3"	*3'-0"	2'-11"	3'-3"

Notes:
1. Minimum 1.5" bearing assumed.
2. Connection of panel to supporting structure not investigated.
3. Design thickness assumed 0.002" less than nominal thickness.
4. Span lengths indicated by * are controlled by deflection.
6. Since allowable loads and spans can be affected by actual conditions of use, information in these tables is intended for use by those qualified to assess these effects.
7. Load tables are based upon section property analysis. Other factors such as fastener adequacy may apply to allowable span conditions per project.