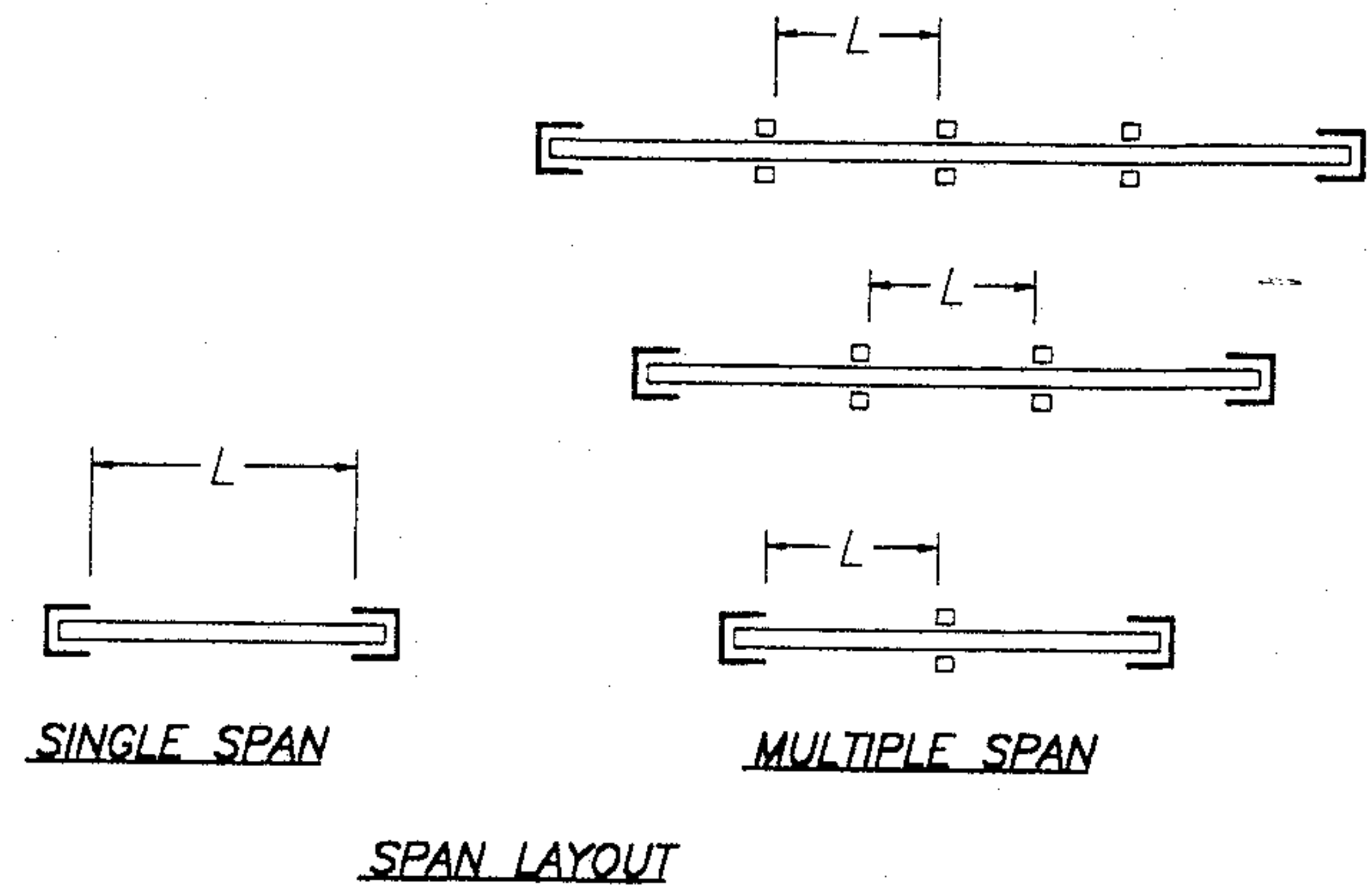


SLAT PERFORMANCE CHART: MAXIMUM DESIGN PRESSURE RATING "W" (p. s. f.) AND CORRESPONDING MAXIMUM SLAT SPAN "L" FOR TYPE 1, TYPE 2 AND TYPE 3 SLATS

(USE NEGATIVE PRESSURE VALUES AS PER ASCE 7-98)

Max. DESIGN LOAD "W" (p.s.f.)	MAXIMUM SLAT SPAN	MAXIMUM SLAT SPAN	MAXIMUM SLAT SPAN	Min. SEPARATION TO GLASS
	Ⓐ SLAT TYPE 1: SAR/155A FOAM FILLED	Ⓑ SLAT TYPE 2: SAR/115 EXTRUDED	Ⓒ SLAT TYPE 3: ES-44 EXTRUDED	
	SINGLE & MULTIPLE UNIT	SINGLE & MULTIPLE UNIT	SINGLE & MULTIPLE UNIT	
25.0	5'-4"	6'-4"	4'-11"	2"
30.0	5'-1"	6'-0"	4'-8"	2"
35.0	4'-10"	5'-9"	4'-5"	2"
40.0	4'-8"	5'-6"	4'-3"	2"
45.0	4'-6"	5'-4"	4'-2"	2"
50.0	4'-4"	5'-2"	4'-0"	2"
55.0	4'-3"	5'-0"	3'-11"	2"
60.0	4'-2"	4'-11"	3'-10"	2"
65.0	4'-1"	4'-10"	3'-9"	2"
70.0	3'-11"	4'-8"	3'-8"	2"
75.0	3'-10"	4'-7"	3'-7"	2"
80.0	3'-8"	4'-6"	3'-6"	2"
85.0	3'-7"	4'-5"	3'-4"	2"
90.0	3'-6"	4'-4"	3'-2"	2"
95.0	3'-4"	4'-2"	3'-0"	2"
100.0	3'-3"	4'-1"	2'-10"	2"
105.0	3'-2"	4'-0"	2'-8"	2"
110.0	3'-2"	3'-11"	2'-7"	2"
115.0	3'-1"	3'-10"	2'-6"	2"
120.0	3'-0"	3'-9"	2'-4"	2"
125.0	2'-11"	3'-8"	2'-3"	2"
130.0	2'-11"	3'-7"	2'-2"	2"
135.0	2'-10"	3'-6"	2'-1"	2"
140.0	2'-9"	3'-5"	2'-0"	2"
145.0	2'-9"	3'-3"	1'-11"	2"
150.0	2'-8"	3'-2"	1'-11"	2"
155.0	2'-8"	3'-1"	-	2"
160.0	2'-7"	3'-0"	-	2"
165.0	2'-7"	2'-11"	-	2"
170.0	2'-6"	2'-10"	-	2"
175.0	2'-6"	2'-9"	-	2"
180.0	2'-5"	2'-8"	-	2"
185.0	2'-5"	2'-7"	-	2"
190.0	2'-5"	2'-6"	-	2"
195.0	2'-4"	2'-5"	-	2"
200.0	2'-4"	2'-5"	-	2"



* SPANS VALID FOR EVERY INSTALLATION LOCATED AT ANY ELEVATION OF BUILDING MEASURED AT BOTTOM OF SHUTTER. MINIMUM SEPARATION TO GLASS FOR SINGLE AND MULTIPLE UNITS SHALL BE MEASURED FROM BACK OF SLAT TO GLASS.

**STORM BAR LOADING CHART MAXIMUM DESIGN PRESSURE RATING "W" (p. s. f.) AND CORRESPONDING
MAXIMUM HEIGHT "L" FOR A GIVEN TYPE OF STORM BAR AND STORM BAR SPACING.**
(USE NEGATIVE PRESSURE VALUES AS PER ASCE 7-98)

MAXIMUM DESIGN LOAD "W" (p.s.f.)	Ⓓ TYPE 1 STORM BAR 2" x 2" x 0.125" (REINFORCED)					Ⓔ TYPE 1A STORM BAR 1" x 2" x 0.125"		Ⓔ TYPE 2 STORM BAR 2" x 3" x 0.125"					Ⓔ TYPE 2A STORM BAR 1 1/2" x 3" x 0.125"					Ⓕ TYPE 3 STORM BAR 2" x 4" x 0.125"					Ⓖ TYPE 4 STORM BAR 2" x 6" x 0.125"						
	STORM BAR SPACING *					STORM BAR SPACING *		STORM BAR SPACING *					STORM BAR SPACING *					STORM BAR SPACING *											
	3' OR LESS	3' TO 4'	4' TO 5'	5' TO 6'	6' TO 7'	3' OR LESS	3' TO 4'	3' OR LESS	3' TO 4'	4' TO 5'	5' TO 6'	6' TO 7'	3' OR LESS	3' TO 4'	4' TO 5'	3' OR LESS	3' TO 4'	4' TO 5'	5' TO 6'	6' TO 7'	3' OR LESS	3' TO 4'	4' TO 5'	5' TO 6'	6' TO 7'	3' OR LESS	3' TO 4'	4' TO 5'	5' TO 6'
25.0	8'-0"	8'-0"	7'-6"	6'-11"	6'-4"	6'-6"	5'-8"	11'-5"	10'-7"	10'-0"	9'-2"	8'-6"	7'-11"	7'-11"	7'-11"	13'-7"	12'-8"	11'-11"	11'-3"	10'-5"	15'-10"	14'-9"	13'-11"	13'-4"	12'-10"				
30.0	8'-0"	7'-8"	6'-11"	6'-3"	5'-10"	5'-10"	5'-2"	10'-11"	10'-1"	9'-2"	8'-4"	7'-9"	7'-11"	7'-11"	7'-11"	13'-0"	12'-1"	11'-3"	10'-3"	9'-6"	15'-2"	14'-1"	13'-4"	12'-9"	12'-3"				
35.0	8'-0"	7'-1'	6'-4"	5'-10"	5'-5"	5'-6"	4'-9"	10'-6"	9'-6"	8'-6"	7'-9"	7'-2"	7'-11"	7'-11"	7'-11"	12'-6"	11'-7"	10'-5"	9'-6"	8'-9"	14'-7"	13'-7"	12'-10"	12'-3"	11'-9"				
40.0	7'-8"	6'-8"	5'-11"	5'-5"	5'-0"	5'-2"	4'-5"	10'-1"	8'-10"	7'-11"	7'-3"	6'-8"	7'-11"	7'-11"	7'-11"	12'-1"	10'-10"	9'-8"	8'-10"	8'-2"	14'-1"	13'-1"	12'-5"	11'-10"	11'-0"				
45.0	7'-3"	6'-3"	5'-7"	5'-2"	4'-9"	4'-10"	4'-2"	9'-8"	8'-4"	7'-6"	6'-10"	6'-4"	7'-11"	7'-11"	7'-11"	11'-9"	10'-3"	9'-2"	8'-4"	7'-9"	13'-8"	12'-9"	12'-0"	11'-2"	10'-4"				
50.0	6'-11"	5'-11"	5'-4"	4'-10"	4'-6"	4'-7"	4'-0"	9'-2"	7'-11"	7'-1"	6'-6"	6'-0"	7'-11"	7'-11"	7'-10"	11'-3"	9'-8"	8'-8"	7'-11"	7'-4"	13'-4"	12'-5"	11'-8"	10'-7"	9'-10"				
55.0	6'-7"	5'-8"	5'-1"	4'-8"	4'-4"	4'-5"	3'-10"	8'-9"	7'-7"	6'-9"	6'-2"	5'-8"	7'-11"	7'-11"	7'-5"	10'-8"	9'-3"	8'-3"	7'-7"	7'-0"	13'-0"	12'-1"	11'-1"	10'-1"	9'-4"				
60.0	6'-3"	5'-5"	4'-10"	4'-5"	4'-1"	4'-2"	3'-8"	8'-4"	7'-3"	6'-6"	5'-11"	5'-6"	7'-11"	7'-11"	7'-1"	10'-3"	8'-10"	7'-11"	7'-3"	6'-8"	12'-9"	11'-10"	10'-7"	9'-8"	9'-0"				
65.0	6'-0"	5'-3"	4'-8"	4'-3"	3'-11"	4'-0"	3'-6"	8'-0"	6'-11"	6'-3"	5'-8"	5'-3"	7'-11"	7'-8"	6'-10"	9'-10"	8'-6"	7'-7"	6'-11"	6'-5"	12'-6"	11'-5"	10'-2"	9'-4"	8'-7"				
70.0	5'-10"	5'-0"	4'-6"	4'-1"	3'-10"	3'-11"	3'-4"	7'-9"	6'-8"	6'-0"	5'-6"	5'-1"	7'-11"	7'-4"	6'-7"	9'-6"	8'-2"	7'-4"	6'-8"	6'-2"	12'-3"	11'-0"	9'-10"	9'-0"	8'-4"				
75.0	5'-7"	4'-10"	4'-4"	4'-0"	3'-8"	3'-9"	3'-3"	7'-6"	6'-6"	5'-9"	5'-3"	4'-11"	7'-11"	7'-1"	6'-4"	9'-2"	7'-11"	7'-1"	6'-6"	6'-0"	12'-0"	10'-7"	9'-6"	8'-8"	8'-0"				
80.0	5'-5"	4'-9"	4'-3"	3'-10"	3'-7"	3'-8"	3'-3"	7'-3"	6'-3"	5'-7"	5'-1"	4'-9"	7'-11"	6'-11"	6'-2"	8'-10"	7'-8"	6'-10"	6'-3"	5'-10"	11'-10"	10'-3"	9'-2"	8'-5"	7'-9"				
85.0	5'-3"	4'-7"	4'-1"	3'-9"	3'-5"	3'-6"	3'-2"	7'-0"	6'-1"	5'-5"	4'-11"	4'-7"	7'-9"	6'-8"	6'-0"	8'-7"	7'-5"	6'-8"	6'-1"	5'-8"	11'-6"	10'-0"	8'-11"	8'-2"	7'-6"				
90.0	5'-2"	4'-5"	4'-0"	3'-8"	3'-4"	3'-5"	3'-1"	6'-10"	5'-11"	5'-3"	4'-10"	4'-6"	7'-6"	6'-6"	5'-10"	8'-4"	7'-3"	6'-6"	5'-11"	5'-6"	11'-2"	9'-8"	8'-8"	7'-11"	7'-4"				
95.0	5'-0"	4'-4"	3'-10"	3'-6"	3'-3"	3'-4"	2'-11"	6'-8"	5'-9"	5'-2"	4'-8"	4'-4"	7'-4"	6'-4"	5'-8"	8'-2"	7'-1"	6'-4"	5'-9"	5'-4"	10'-11"	9'-5"	8'-5"	7'-8"	7'-2"				
100.0	4'-10"	4'-3"	3'-9"	3'-5"	3'-2"	3'-3"	2'-10"	6'-6"	5'-7"	5'-0"	4'-7"	4'-3"	7'-1"	6'-2"	5'-6"	7'-11"	6'-10"	6'-2"	5'-7"	5'-2"	10'-7"	9'-2"	8'-3"	7'-6"	6'-11"				
105.0	4'-9"	4'-1"	3'-8"	3'-4"	3'-1"	3'-2"	2'-9"	6'-4"	5'-6"	4'-11"	4'-6"	4'-2"	6'-11"	6'-0"	5'-5"	7'-9"	6'-8"	6'-0"	5'-6"	5'-1"	10'-4"	9'-0"	8'-0"	7'-4"	6'-9"				
110.0	4'-8"	4'-0"	3'-7"	3'-3"	3'-0"	3'-1"	2'-8"	6'-2"	5'-4"	4'-9"	4'-4"	4'-0"	6'-10"	5'-11"	5'-3"	7'-7"	6'-7"	5'-10"	5'-4"	4'-11"	10'-1"	8'-9"	7'-10"	7'-2"	6'-8"				
115.0	4'-6"	3'-11"	3'-6"	3'-2"	3'-0"	3'-0"	2'-7"	6'-0"	5'-3"	4'-8"	4'-3"	3'-11"	6'-8"	5'-9"	5'-2"	7'-5"	6'-5"	5'-9"	5'-3"	4'-10"	9'-11"	8'-7"	7'-8"	7'-0"	6'-6"				
120.0	4'-5"	3'-10"	3'-5"	3'-2"	2'-11"	3'-0"	2'-7"	5'-11"	5'-1"	4'-7"	4'-2"	3'-10"	6'-6"	5'-8"	5'-0"	7'-3"	6'-3"	5'-7"	5'-1"	4'-9"	9'-8"	8'-5"	7'-6"	6'-10"	6'-4"				
125.0	4'-4"	3'-9"	3'-4"	3'-1"	2'-10"	2'-11"	2'-6"	5'-9"	5'-0"	4'-6"	4'-1"	3'-9"	6'-4"	5'-6"	4'-11"	7'-1"	6'-2"	5'-6"	5'-0"	4'-8"	9'-6"	8'-3"	7'-4"	6'-9"	6'-3"				
130.0	4'-3"	3'-8"	3'-4"	3'-0"	2'-10"	2'-10"	2'-6"	5'-8"	4'-11"	4'-5"	4'-0"	3'-9"	6'-3"	5'-5"	4'-10"	6'-11"	6'-0"	5'-5"	4'-11"	4'-7"	9'-4"	8'-1"	7'-3"	6'-7"	6'-1"				
135.0	4'-2"	3'-8"	3'-3"	3'-0"	2'-9"	2'-10"	2'-5"	5'-7"	4'-10"	4'-4"	3'-11"	3'-8"	6'-2"	5'-4"	4'-9"	6'-10"	5'-11"	5'-3"	4'-10"	4'-6"	9'-2"	7'-11"	7'-1"	6'-6"	6'-0"				
140.0	4'-1"	3'-7"	3'-2"	2'-11"	2'-8"	2'-9"	2'-5"	5'-6"	4'-9"	4'-3"	3'-10"	3'-7"	6'-0"	5'-3"	4'-8"	6'-8"	5'-10"	5'-2"	4'-9"	4'-5"	9'-0"	7'-9"	6'-11"	6'-4"	5'-10"				
145.0	4'-0"	3'-6"	3'-2"	2'-10"	2'-8"	2'-8"	2'-4"	5'-4"	4'-8"	4'-2"	3'-10"	3'-6"	5'-11"	5'-1"	4'-7"	6'-7"	5'-8"	5'-1"	4'-8"	4'-4"	8'-10"	7'-8"	6'-10"	6'-3"	5'-9"				
150.0	4'-0"	3'-5"	3'-1"	2'-10"	2'-7"	2'-8"	2'-4"	5'-3"	4'-7"	4'-1"	3'-9"	3'-5"	5'-10"	5'-0"	4'-6"	6'-6"	5'-7"	5'-0"	4'-7"	4'-3"	8'-8"	7'-6"	6'-9"	6'-2"	5'-8"				
155.0	3'-11"	3'-5"	3'-0"	2'-9"	2'-7"	2'-7"	2'-3"	5'-2"	4'-6"	4'-0"	3'-8"	3'-5"	5'-9"	4'-11"	4'-5"	6'-4"	5'-6"	4'-11"	4'-6"	4'-2"	8'-6"	7'-5"	6'-7"	6'-0"	5'-7"				
160.0	3'-10"	3'-4"	3'-0"	2'-9"	2'-6"	2'-7"	2'-3"	5'-1"	4'-5"	3'-11"	3'-7"	3'-4"	5'-8"	4'-11"	4'-4"	6'-3"	5'-5"	4'-10"	4'-5"	4'-1"	8'-5"	7'-3"	6'-6"	5'-11"	5'-6"				
165.0	3'-9"	3'-3"	2'-11"	2'-8"	2'-6"	2'-6"	2'-2"	5'-0"	4'-4"	3'-11"	3'-7"	3'-4"	5'-7"	4'-10"	4'-4"	6'-2"	5'-4"	4'-9"	4'-4"	4'-0"	8'-3"	7'-2"	6'-5"	5'-10"	5'-5"				
170.0	3'-9"	3'-3"	2'-11"	2'-8"	2'-5"	2'-6"	2'-2"	4'-11"	4'-4"	3'-10"	3'-6"	3'-3"	5'-6"	4'-9"	4'-3"	6'-1"	5'-3"	4'-9"	4'-4"	4'-0"	8'-2"	7'-1"	6'-4"	5'-9"	5'-4"				
175.0	3'-8"	3'-2"	2'-10"	2'-7"	2'-5"	2'-5"	2'-2"	4'-11"	4'-3"	3'-9"	3'-5"	3'-2"	5'-5"	4'-8"	4'-2"	6'-0"	5'-2"	4'-8"	4'-3"	3'-11"	8'-0"	6'-11"	6'-3"	5'-8"	5'-3"				
180.0	3'-8"	3'-2"	2'-10"	2'-7"	2'-4"	2'-5"	2'-1"	4'-10"	4'-2"	3'-9"	3'-5"	3'-2"	5'-4"	4'-7"	4'-1"	5'-11"	5'-1"	4'-7"	4'-2"	3'-10"	7'-11"	6'-10"	6'-2"	5'-7"	5'-2"				
185.0	3'-7"	3'-1"	2'-9"	2'-6"	2'-4"	2'-5"	2'-1"	4'-9"	4'-1"	3'-8"	3'-4"	3'-1"	5'-3"	4'-6"	4'-1"	5'-10"	5'-1"	4'-6"	4'-1"	3'-10"	7'-10"	6'-9"	6'-1"	5'-6"	5'-1"				
190.0	3'-6"	3'-1"	2'-9"	2'-6"	2'-4"	2'-4"	2'-0"	4'-8"	4'-1"	3'-8"	3'-4"	3'-1"	5'-2"	4'-6"	4'-0"	5'-9"	5'-0"	4'-5"	4'-1"	3'-9"	7'-8"	6'-8"	6'-0"	5'-5"	5'-1"				
195.0	3'-6"	3'-0"	2'-8"	2'-6"	2'-3"	2'-4"	2'-0"	4'-8"	4'-0"	3'-7"	3'-3"	3'-0"	5'-1"	4'-5"	3'-11"	5'-8"	4'-11"	4'-5"	4'-0"	3'-9"	7'-7"	6'-7"	5'-11"	5'-5"	5'-0"				
200.0	3'-5"	3'-0"	2'-8"	2'-5"	2'-3"	2'-4"	2'-0"	4'-7"	3'-11"	3'-6"	3'-3"	3'-0"	5'-0"	4'-4"	3'-11"	5'-7"	4'-10"	4'-4"	4'-0"	3'-8"	7'-6"	6'-5"	5'-10"	5'-4"	4'-11"				

* STORM BAR SPACING SHALL BE SUCH THAT MAXIMUM SLAT SPAN SHALL NOT BE EXCEEDED.

**STORM BAR LOADING CHART MAXIMUM DESIGN PRESSURE RATING "W" (p. s. f.) AND CORRESPONDING
MAXIMUM HEIGHT "L" FOR A GIVEN TYPE OF STORM BAR AND STORM BAR SPACING.**

(USE NEGATIVE PRESSURE VALUES AS PER ASCE 7-98)

MAXIMUM DESIGN LOAD W [*] (p.s.f.)	Ⓜ TYPE 5 STORM BAR 2" x 3" x 0.250"					Ⓜ TYPE 6 STORM BAR 2" x 4" x 0.250"					Ⓜ TYPE 7 STORM BAR 2" x 6" x 0.250"					Ⓜ TYPE 8 STORM BAR (2) 2" x 4" x 0.250"				
	STORM BAR SPACING *					STORM BAR SPACING *					STORM BAR SPACING *					STORM BAR SPACING *				
	3' OR LESS	3' TO 4'	4' TO 5'	5' TO 6'	6' TO 7'	3' OR LESS	3' TO 4'	4' TO 5'	5' TO 6'	6' TO 7'	3' OR LESS	3' TO 4'	4' TO 5'	5' TO 6'	6' TO 7'	3' OR LESS	3' TO 4'	4' TO 5'	5' TO 6'	6' TO 7'
25.0	13'-2"	12'-3"	11'-7"	11'-1"	10'-5"	15'-10"	14'-9"	13'-11"	13'-4"	12'-10"	18'-0"	17'-6"	16'-7"	15'-10"	15'-3"	18'-0"	17'-6"	16'-7"	15'-10"	15'-3"
30.0	12'-7"	11'-9"	11'-1"	10'-3"	9'-6"	15'-2"	14'-1"	13'-4"	12'-9"	12'-3"	18'-0"	16'-9"	15'-10"	15'-2"	14'-7"	18'-0"	16'-9"	15'-10"	15'-2"	14'-7"
35.0	12'-1"	11'-3"	10'-5"	9'-6"	8'-9"	14'-7"	13'-7"	12'-10"	12'-3"	11'-9"	17'-4"	16'-1"	15'-3"	14'-7"	14'-0"	17'-4"	16'-1"	15'-3"	14'-7"	14'-0"
40.0	11'-9"	10'-10"	9'-8"	8'-10"	8'-2"	14'-1"	13'-1"	12'-5"	11'-10"	11'-2"	16'-9"	15'-7"	14'-9"	14'-1"	13'-7"	16'-9"	15'-7"	14'-9"	14'-1"	13'-7"
45.0	11'-5"	10'-3"	9'-2"	8'-4"	7'-9"	13'-8"	12'-9"	12'-0"	11'-4"	10'-6"	16'-3"	15'-2"	14'-4"	13'-8"	13'-2"	16'-3"	15'-2"	14'-4"	13'-8"	13'-2"
50.0	11'-1"	9'-8"	8'-8"	7'-11"	7'-4"	13'-4"	12'-5"	11'-9"	10'-9"	10'-0"	15'-10"	14'-9"	13'-11"	13'-4"	12'-10"	15'-10"	14'-9"	13'-11"	13'-4"	12'-10"
55.0	10'-8"	9'-3"	8'-3"	7'-7"	7'-0"	13'-0"	12'-1"	11'-3"	10'-3"	9'-6"	15'-6"	14'-5"	13'-7"	13'-0"	12'-6"	15'-6"	14'-5"	13'-7"	13'-0"	12'-6"
60.0	10'-3"	8'-10"	7'-11"	7'-3"	6'-8"	12'-9"	11'-10"	10'-9"	9'-10"	9'-1"	15'-2"	14'-1"	13'-4"	12'-9"	12'-3"	15'-2"	14'-1"	13'-4"	12'-9"	12'-3"
65.0	9'-10"	8'-6"	7'-7"	6'-11"	6'-5"	12'-6"	11'-7"	10'-4"	9'-5"	8'-9"	14'-10"	13'-10"	13'-1"	12'-6"	12'-0"	14'-10"	13'-10"	13'-1"	12'-6"	12'-0"
70.0	9'-6"	8'-2"	7'-4"	6'-8"	6'-2"	12'-3"	11'-2"	10'-0"	9'-1"	8'-5"	14'-7"	13'-7"	12'-10"	12'-3"	11'-6"	14'-7"	13'-7"	12'-10"	12'-3"	11'-9"
75.0	9'-2"	7'-11"	7'-1"	6'-6"	6'-0"	12'-0"	10'-9"	9'-7"	8'-9"	8'-2"	14'-4"	13'-4"	12'-7"	12'-0"	11'-2"	14'-4"	13'-4"	12'-7"	12'-0"	11'-7"
80.0	8'-10"	7'-8"	6'-10"	6'-3"	5'-10"	11'-10"	10'-5"	9'-4"	8'-6"	7'-11"	14'-1"	13'-1"	12'-5"	11'-8"	10'-9"	14'-1"	13'-1"	12'-5"	11'-10"	11'-3"
85.0	8'-7"	7'-5"	6'-8"	6'-1"	5'-8"	11'-8"	10'-1"	9'-0"	8'-3"	7'-8"	13'-10"	12'-11"	12'-2"	11'-4"	10'-5"	13'-10"	12'-11"	12'-2"	11'-8"	10'-11"
90.0	8'-4"	7'-3"	6'-6"	5'-11"	5'-6"	11'-4"	9'-10"	8'-9"	8'-0"	7'-5"	13'-8"	12'-9"	12'-0"	11'-0"	10'-2"	13'-8"	12'-9"	12'-0"	11'-5"	10'-7"
95.0	8'-2"	7'-1"	6'-4"	5'-9"	5'-4"	11'-0"	9'-7"	8'-7"	7'-10"	7'-3"	13'-6"	12'-7"	11'-8"	10'-8"	9'-11"	13'-6"	12'-7"	11'-10"	11'-2"	10'-4"
100.0	7'-11"	6'-10"	6'-2"	5'-7"	5'-2"	10'-9"	9'-4"	8'-4"	7'-7"	7'-1"	13'-4"	12'-5"	11'-5"	10'-5"	9'-8"	13'-4"	12'-5"	11'-9"	10'-10"	10'-1"
105.0	7'-9"	6'-8"	6'-0"	5'-6"	5'-1"	10'-6"	9'-1"	8'-2"	7'-5"	6'-10"	13'-2"	12'-3"	11'-2"	10'-2"	9'-5"	13'-2"	12'-3"	11'-7"	10'-7"	9'-10"
110.0	7'-7"	6'-7"	5'-10"	5'-4"	4'-11"	10'-3"	8'-11"	7'-11"	7'-3"	6'-9"	13'-0"	12'-1"	10'-11"	9'-11"	9'-2"	13'-0"	12'-1"	10'-4"	10'-4"	9'-7"
115.0	7'-5"	6'-5"	5'-9"	5'-3"	4'-10"	10'-0"	8'-8"	7'-9"	7'-1"	6'-7"	12'-10"	11'-11"	10'-8"	9'-9"	9'-0"	12'-10"	12'-0"	11'-1"	10'-1"	9'-4"
120.0	7'-3"	6'-3"	5'-7"	5'-1"	4'-9"	9'-10"	8'-6"	7'-7"	6'-11"	6'-5"	12'-9"	11'-8"	10'-5"	9'-6"	8'-10"	12'-9"	11'-10"	10'-10"	9'-11"	9'-2"
125.0	7'-1"	6'-2"	5'-6"	5'-0"	4'-8"	9'-7"	8'-4"	7'-5"	6'-10"	6'-4"	12'-7"	11'-5"	10'-2"	9'-4"	8'-7"	12'-7"	11'-9"	10'-8"	9'-8"	9'-0"
130.0	6'-11"	6'-0"	5'-5"	4'-11"	4'-7"	9'-5"	8'-2"	7'-4"	6'-8"	6'-2"	12'-6"	11'-2"	10'-0"	9'-2"	8'-5"	12'-6"	11'-7"	10'-5"	9'-6"	8'-10"
135.0	6'-10"	5'-11"	5'-3"	4'-10"	4'-6"	9'-3"	8'-0"	7'-2"	6'-7"	6'-1"	12'-4"	11'-0"	9'-10"	9'-0"	8'-4"	12'-4"	11'-5"	10'-3"	9'-4"	8'-8"
140.0	6'-8"	5'-10"	5'-2"	4'-9"	4'-5"	9'-1"	7'-11"	7'-1"	6'-5"	5'-11"	12'-3"	10'-9"	9'-8"	8'-10"	8'-2"	12'-3"	11'-3"	10'-1"	9'-2"	8'-6"
145.0	6'-7"	5'-8"	5'-1"	4'-8"	4'-4"	8'-11"	7'-9"	6'-11"	6'-4"	5'-10"	12'-2"	10'-7"	9'-6"	8'-8"	8'-0"	12'-2"	11'-0"	9'-10"	9'-0"	8'-4"
150.0	6'-6"	5'-7"	5'-0"	4'-7"	4'-3"	8'-9"	7'-7"	6'-10"	6'-3"	5'-9"	12'-0"	10'-5"	9'-4"	8'-6"	7'-10"	12'-0"	10'-10"	9'-8"	8'-10"	8'-2"
155.0	6'-4"	5'-6"	4'-11"	4'-6"	4'-2"	8'-8"	7'-6"	6'-8"	6'-1"	5'-8"	11'-10"	10'-3"	9'-2"	8'-4"	7'-9"	11'-11"	10'-8"	9'-7"	8'-9"	8'-1"
160.0	6'-3"	5'-5"	4'-10"	4'-5"	4'-1"	8'-6"	7'-4"	6'-7"	6'-0"	5'-7"	11'-8"	10'-1"	9'-0"	8'-3"	7'-7"	11'-10"	10'-6"	9'-5"	8'-7"	7'-11"
165.0	6'-2"	5'-4"	4'-9"	4'-4"	4'-0"	8'-5"	7'-3"	6'-6"	5'-11"	5'-6"	11'-6"	9'-11"	8'-11"	8'-1"	7'-6"	11'-9"	10'-4"	9'-3"	8'-5"	7'-10"
170.0	6'-1"	5'-3"	4'-9"	4'-4"	4'-0"	8'-3"	7'-2"	6'-5"	5'-10"	5'-5"	11'-4"	9'-9"	8'-9"	8'-0"	7'-5"	11'-8"	10'-2"	9'-1"	8'-4"	7'-8"
175.0	6'-0"	5'-2"	4'-8"	4'-3"	3'-11"	8'-2"	7'-1"	6'-4"	5'-9"	5'-4"	11'-2"	9'-8"	8'-7"	7'-10"	7'-3"	11'-7"	10'-1"	9'-0"	8'-2"	7'-7"
180.0	5'-11"	5'-1"	4'-7"	4'-2"	3'-10"	8'-0"	6'-11"	6'-3"	5'-8"	5'-3"	11'-0"	9'-6"	8'-6"	7'-9"	7'-2"	11'-5"	9'-11"	8'-10"	8'-1"	7'-6"
185.0	5'-10"	5'-1"	4'-6"	4'-1"	3'-10"	7'-11"	6'-10"	6'-2"	5'-7"	5'-2"	10'-10"	9'-5"	8'-5"	7'-8"	7'-1"	11'-3"	9'-9"	8'-9"	8'-0"	7'-5"
190.0	5'-9"	5'-0"	4'-5"	4'-1"	3'-9"	7'-10"	6'-9"	6'-1"	5'-6"	5'-1"	10'-8"	9'-3"	8'-3"	7'-7"	7'-0"	11'-2"	9'-8"	8'-7"	7'-10"	7'-3"
195.0	5'-8"	4'-11"	4'-5"	4'-0"	3'-9"	7'-8"	6'-8"	6'-0"	5'-5"	5'-1"	10'-7"	9'-2"	8'-2"	7'-5"	6'-11"	11'-0"	9'-6"	8'-6"	7'-9"	7'-2"
200.0	5'-7"	4'-10"	4'-4"	4'-0"	3'-8"	7'-7"	6'-7"	5'-11"	5'-5"	5'-0"	10'-5"	9'-0"	8'-1"	7'-4"	6'-10"	10'-10"	9'-5"	8'-5"	7'-8"	7'-1"

* STORM BAR SPACING SHALL BE SUCH THAT MAXIMUM SLAT SPAN SHALL NOT BE EXCEEDED.

HEADER LOADING CHART MAXIMUM DESIGN PRESSURE RATING "W" (p. s. f.) AND CORRESPONDING MAXIMUM SPAN "L" FOR A GIVEN TYPE OF HEADER AND STORM BAR HEIGHT.

(USE NEGATIVE PRESSURE VALUES AS PER ASCE 7-98)

MAXIMUM DESIGN LOAD "W" (p.s.f.)	Ⓛ TYPE 1 HEADER 2" x 3" x 0.125"						Ⓜ TYPE 2 HEADER 2" x 4" x 0.125"						Ⓝ TYPE 3 HEADER 2" x 6" x 0.125"						Ⓞ TYPE 4 HEADER 2" x 4" x 0.250"						Ⓟ TYPE 5 HEADER 2" x 6" x 0.250"					
	STORM BAR HEIGHT						STORM BAR HEIGHT						STORM BAR HEIGHT						STORM BAR HEIGHT						STORM BAR HEIGHT					
	5' OR LESS	5' TO 8'	5' OR LESS	5' TO 8'	8' TO 10'	10' TO 12'	5' OR LESS	5' TO 8'	8' TO 10'	10' TO 12'	12' TO 15'	5' OR LESS	5' TO 8'	8' TO 10'	10' TO 12'	12' TO 15'	15' TO 18'	5' OR LESS	5' TO 8'	8' TO 10'	10' TO 12'	12' TO 15'	15' TO 18'							
25.0	12'-8"	11'-4"	15'-2"	13'-6"	12'-6"	11'-5"	18'-0"	17'-5"	16'-6"	15'-5"	13'-9"	17'-6"	15'-7"	14'-9"	14'-1"	13'-4"	12'-5"	18'-0"	18'-0"	18'-0"	18'-0"	17'-4"	16'-7"							
30.0	12'-2"	10'-5"	14'-6"	12'-9"	11'-5"	10'-5"	18'-0"	16'-8"	15'-5"	14'-1"	12'-7"	16'-9"	14'-11"	14'-1"	13'-5"	12'-5"	11'-4"	18'-0"	18'-0"	18'-0"	17'-6"	16'-7"	15'-6"							
35.0	11'-8"	9'-8"	13'-11"	11'-10"	10'-7"	9'-8"	18'-0"	15'-11"	14'-3"	13'-0"	11'-8"	16'-1"	14'-4"	13'-7"	12'-10"	11'-6"	10'-6"	18'-0"	18'-0"	17'-8"	16'-10"	15'-9"	14'-4"							
40.0	11'-4"	9'-0"	13'-6"	11'-1"	9'-11"	9'-0"	17'-5"	14'-11"	13'-4"	12'-2"	10'-11"	15'-7"	13'-10"	13'-1"	12'-0"	10'-9"	9'-10"	18'-0"	18'-0"	17'-1"	16'-3"	14'-9"	13'-5"							
45.0	10'-9"	8'-6"	13'-1"	10'-5"	9'-4"	8'-6"	16'-11"	14'-1"	12'-7"	11'-6"	10'-3"	15'-2"	13'-5"	12'-5"	11'-4"	10'-2"	9'-3"	18'-0"	17'-6"	16'-7"	15'-6"	13'-11"	12'-8"							
50.0	10'-2"	8'-1"	12'-6"	9'-11"	8'-10"	8'-1"	16'-6"	13'-4"	11'-11"	10'-11"	9'-9"	14'-9"	13'-1"	11'-9"	10'-9"	9'-7"	8'-9"	18'-0"	17'-1"	16'-1"	14'-9"	13'-2"	12'-0"							
55.0	9'-9"	7'-8"	11'-11"	9'-5"	8'-5"	7'-8"	16'-1"	12'-9"	11'-5"	10'-5"	9'-3"	14'-5"	12'-7"	11'-3"	10'-3"	9'-2"	8'-5"	18'-0"	16'-8"	15'-5"	14'-0"	12'-7"	11'-6"							
60.0	9'-4"	7'-4"	11'-5"	9'-0"	8'-1"	7'-4"	15'-5"	12'-2"	10'-11"	9'-11"	8'-11"	14'-1"	12'-0"	10'-9"	9'-10"	8'-9"	8'-0"	18'-0"	16'-3"	14'-9"	13'-5"	12'-0"	11'-0"							
65.0	8'-11"	7'-1"	11'-0"	8'-8"	7'-9"	7'-1"	14'-10"	11'-8"	10'-6"	9'-7"	8'-7"	13'-10"	11'-7"	10'-4"	9'-5"	8'-5"	7'-8"	17'-11"	15'-10"	14'-2"	12'-11"	11'-7"	10'-7"							
70.0	8'-7"	6'-10"	10'-7"	8'-4"	7'-6"	6'-10"	14'-3"	11'-3"	10'-1"	9'-2"	8'-3"	13'-7"	11'-2"	10'-0"	9'-1"	8'-2"	7'-5"	17'-8"	15'-3"	13'-8"	12'-5"	11'-2"	10'-2"							
75.0	8'-4"	6'-7"	10'-2"	8'-1"	7'-3"	6'-7"	13'-9"	10'-11"	9'-9"	8'-11"	7'-11"	13'-4"	10'-9"	9'-7"	8'-9"	7'-10"	7'-2"	17'-4"	14'-9"	13'-2"	12'-0"	10'-9"	9'-10"							
80.0	8'-1"	6'-4"	9'-11"	7'-10"	7'-0"	6'-5"	13'-4"	10'-7"	9'-5"	8'-7"	7'-8"	13'-1"	10'-5"	9'-4"	8'-6"	7'-7"	6'-11"	17'-1"	14'-3"	12'-9"	11'-8"	10'-5"	9'-6"							
85.0	7'-10"	6'-2"	9'-7"	7'-7"	6'-9"	6'-2"	12'-11"	10'-3"	9'-2"	8'-4"	7'-6"	12'-9"	10'-1"	9'-0"	8'-3"	7'-5"	6'-9"	16'-9"	13'-10"	12'-4"	11'-4"	10'-1"	9'-3"							
90.0	7'-7"	6'-0"	9'-4"	7'-4"	6'-7"	6'-0"	12'-7"	9'-11"	8'-11"	8'-1"	7'-3"	12'-5"	9'-10"	8'-9"	8'-0"	7'-2"	6'-7"	16'-7"	13'-5"	12'-0"	11'-0"	9'-10"	9'-0"							
95.0	7'-5"	5'-10"	9'-1"	7'-2"	6'-5"	5'-10"	12'-3"	9'-8"	8'-8"	7'-11"	7'-1"	12'-1"	9'-7"	8'-7"	7'-10"	7'-0"	6'-4"	16'-4"	13'-1"	11'-8"	10'-8"	9'-7"	8'-9"							
100.0	7'-2"	5'-8"	8'-10"	7'-0"	6'-3"	5'-8"	11'-11"	9'-5"	8'-5"	7'-8"	6'-11"	11'-9"	9'-4"	8'-4"	7'-7"	6'-10"	6'-3"	16'-1"	12'-9"	11'-5"	10'-5"	9'-4"	8'-6"							
105.0	7'-0"	5'-7"	8'-8"	6'-10"	6'-1"	5'-7"	11'-8"	9'-2"	8'-3"	7'-6"	6'-9"	11'-6"	9'-1"	8'-2"	7'-5"	6'-8"	6'-1"	15'-9"	12'-5"	11'-2"	10'-2"	9'-1"	8'-4"							
110.0	6'-10"	5'-5"	8'-5"	6'-8"	6'-0"	5'-5"	11'-5"	9'-0"	8'-1"	7'-4"	6'-7"	11'-3"	8'-11"	7'-11"	7'-3"	6'-6"	5'-11"	15'-5"	12'-2"	10'-11"	9'-11"	8'-11"	8'-1"							
115.0	6'-9"	5'-4"	8'-3"	6'-6"	5'-10"	5'-4"	11'-2"	8'-10"	7'-10"	7'-2"	6'-5"	11'-0"	8'-8"	7'-9"	7'-1"	6'-4"	5'-10"	15'-1"	11'-11"	10'-8"	9'-9"	8'-8"	7'-11"							
120.0	6'-7"	5'-2"	8'-1"	6'-5"	5'-8"	5'-3"	10'-11"	8'-7"	7'-8"	7'-0"	6'-3"	10'-9"	8'-6"	7'-7"	6'-11"	6'-3"	5'-8"	14'-9"	11'-8"	10'-5"	9'-6"	8'-6"	7'-9"							
125.0	6'-5"	5'-1"	7'-11"	6'-3"	5'-7"	5'-1"	10'-8"	8'-5"	7'-7"	6'-11"	6'-2"	10'-7"	8'-4"	7'-5"	6'-10"	6'-1"	5'-7"	14'-5"	11'-5"	10'-2"	9'-4"	8'-4"	7'-7"							
130.0	6'-4"	5'-0"	7'-9"	6'-2"	5'-6"	5'-0"	10'-6"	8'-3"	7'-5"	6'-9"	6'-1"	10'-4"	8'-2"	7'-4"	6'-8"	6'-0"	5'-5"	14'-2"	11'-2"	10'-0"	9'-2"	8'-2"	7'-5"							
135.0	6'-2"	4'-11"	7'-7"	6'-0"	5'-5"	4'-11"	10'-3"	8'-1"	7'-3"	6'-8"	5'-11"	10'-2"	8'-0"	7'-2"	6'-7"	5'-10"	5'-4"	13'-11"	11'-0"	9'-10"	9'-0"	8'-0"	7'-4"							
140.0	6'-1"	4'-10"	7'-6"	5'-11"	5'-3"	4'-10"	10'-1"	8'-0"	7'-2"	6'-6"	5'-10"	10'-0"	7'-11"	7'-1"	6'-5"	5'-9"	5'-3"	13'-8"	10'-9"	9'-8"	8'-10"	7'-10"	7'-2"							
145.0	6'-0"	4'-9"	7'-4"	5'-10"	5'-2"	4'-9"	9'-11"	7'-10"	7'-0"	6'-5"	5'-9"	9'-9"	7'-9"	6'-11"	6'-4"	5'-8"	5'-2"	13'-5"	10'-7"	9'-6"	8'-8"	7'-9"	7'-1"							
150.0	5'-11"	4'-8"	7'-3"	5'-8"	5'-1"	4'-8"	9'-9"	7'-8"	6'-11"	6'-3"	5'-8"	9'-7"	7'-7"	6'-10"	6'-3"	5'-7"	5'-1"	13'-2"	10'-5"	9'-4"	8'-6"	7'-7"	6'-11"							
155.0	5'-9"	4'-7"	7'-1"	5'-7"	5'-0"	4'-7"	9'-7"	7'-7"	6'-9"	6'-2"	5'-6"	9'-6"	7'-6"	6'-8"	6'-1"	5'-6"	5'-0"	12'-11"	10'-3"	9'-2"	8'-4"	7'-6"	6'-10"							
160.0	5'-8"	4'-6"	7'-0"	5'-6"	4'-11"	4'-6"	9'-5"	7'-6"	6'-8"	6'-1"	5'-5"	9'-4"	7'-4"	6'-7"	6'-0"	5'-5"	4'-11"	12'-9"	10'-1"	9'-0"	8'-3"	7'-4"	6'-9"							
165.0	5'-7"	4'-5"	6'-11"	5'-5"	4'-10"	4'-5"	9'-3"	7'-4"	6'-7"	6'-0"	5'-4"	9'-2"	7'-3"	6'-6"	5'-11"	5'-4"	4'-10"	12'-7"	9'-11"	8'-11"	8'-1"	7'-3"	6'-7"							
170.0	5'-6"	4'-4"	6'-9"	5'-4"	4'-10"	4'-5"	9'-2"	7'-3"	6'-6"	5'-11"	5'-3"	9'-0"	7'-2"	6'-5"	5'-10"	5'-3"	4'-9"	12'-4"	9'-9"	8'-9"	8'-0"	7'-2"	6'-6"							
175.0	5'-5"	4'-4"	6'-8"	5'-3"	4'-9"	4'-4"	9'-0"	7'-2"	6'-5"	5'-10"	5'-2"	8'-11"	7'-1"	6'-4"	5'-9"	5'-2"	4'-8"	12'-2"	9'-8"	8'-7"	7'-10"	7'-0"	6'-5"							
180.0	5'-4"	4'-3"	6'-7"	5'-3"	4'-8"	4'-3"	8'-11"	7'-0"	6'-3"	5'-9"	5'-2"	8'-9"	6'-11"	6'-3"	5'-8"	5'-1"	4'-8"	12'-0"	9'-6"	8'-6"	7'-9"	6'-11"	6'-4"							
185.0	5'-4"	4'-2"	6'-6"	5'-2"	4'-7"	4'-2"	8'-9"	6'-11"	6'-2"	5'-8"	5'-1"	8'-8"	6'-10"	6'-2"	5'-7"	5'-0"	4'-7"	11'-10"	9'-5"	8'-5"	7'-8"	6'-10"	6'-3"							
190.0	5'-3"	4'-2"	6'-5"	5'-1"	4'-6"	4'-2"	8'-8"	6'-10"	6'-1"	5'-7"	5'-0"	8'-7"	6'-9"	6'-1"	5'-6"	4'-11"	4'-6"	11'-8"	9'-3"	8'-3"	7'-7"	6'-9"	6'-2"							
195.0	5'-2"	4'-1"	6'-4"	5'-0"	4'-6"	4'-1"	8'-7"	6'-9"	6'-1"	5'-6"	4'-11"	8'-5"	6'-8"	6'-0"	5'-5"	4'-10"	4'-5"	11'-7"	9'-2"	8'-2"	7'-5"	6'-8"	6'-1"							
200.0	5'-1"	4'-0"	6'-3"	4'-11"	4'-5"	4'-0"	8'-5"	6'-8"	6'-0"	5'-5"	4'-10"	8'-4"	6'-7"	5'-11"	5'-5"	4'-10"	4'-5"	11'-5"	9'-0"	8'-1"	7'-4"	6'-7"	6'-0"							

**MULLION LOADING CHART MAXIMUM DESIGN PRESSURE RATING "W" (p. s. f.) AND CORRESPONDING
MAXIMUM HEIGHT "L" FOR A GIVEN TYPE OF MULLION AND MULLION SPACING.**
(USE NEGATIVE PRESSURE VALUES AS PER ASCE 7-98)

MAXIMUM DESIGN LOAD "W" (p.s.f.)	Ⓡ TYPE 1 MULLION 2" x 4" x 0.125"			Ⓢ TYPE 2 MULLION 2" x 6" x 0.125"					Ⓣ TYPE 3 MULLION 4" x 4" x 0.250"					Ⓤ TYPE 4 MULLION 5" x 5" x 0.250"						Ⓥ TYPE 5 MULLION 4" x 6" x 0.250"					
	MULLION SPACING			MULLION SPACING					MULLION SPACING					MULLION SPACING						MULLION SPACING					
	4' OR LESS	4' TO 6.5'	6.5' TO 9'	4' OR LESS	4' TO 6.5'	6.5' TO 9'	9' TO 12'	>12' TO 15'	4' OR LESS	4' TO 6.5'	6.5' TO 9'	9' TO 12'	>12' TO 15'	4' OR LESS	4' TO 6.5'	6.5' TO 9'	9' TO 12'	12' TO 15'	15' TO 18'	4' OR LESS	4' TO 6.5'	6.5' TO 9'	9' TO 12'	12' TO 15'	15' TO 18'
25.0	11'-0"	9'-4"	9'-7"	15'-5"	13'-2"	13'-6"	12'-3"	11'-5"	15'-9"	13'-5"	13'-10"	12'-7"	11'-8"	19'-0"	17'-0"	17'-6"	15'-11"	14'-9"	13'-11"	19'-0"	18'-7"	19'-0"	17'-5"	16'-2"	15'-2"
30.0	10'-4"	8'-9"	9'-1"	14'-6"	12'-4"	12'-9"	11'-7"	10'-9"	14'-10"	12'-7"	13'-0"	11'-10"	11'-0"	18'-9"	16'-0"	16'-6"	14'-11"	13'-11"	13'-1"	19'-0"	17'-6"	18'-0"	16'-4"	15'-2"	14'-4"
35.0	9'-10"	8'-4"	8'-7"	13'-10"	11'-9"	12'-1"	11'-0"	10'-2"	14'-1"	12'-0"	12'-4"	11'-3"	10'-5"	17'-10"	15'-2"	15'-8"	14'-2"	13'-2"	12'-5"	19'-0"	16'-7"	17'-1"	15'-7"	14'-5"	13'-7"
40.0	9'-5"	8'-0"	8'-3"	13'-2"	11'-3"	11'-7"	10'-6"	9'-6"	13'-6"	11'-6"	11'-10"	10'-9"	10'-0"	17'-1"	14'-6"	14'-11"	13'-7"	12'-7"	11'-10"	18'-8"	15'-11"	16'-4"	14'-10"	13'-10"	13'-0"
45.0	9'-0"	7'-8"	7'-11"	12'-8"	10'-10"	11'-1"	10'-0"	8'-11"	13'-0"	11'-0"	11'-4"	10'-4"	9'-7"	16'-5"	14'-0"	14'-5"	13'-1"	12'-2"	11'-5"	18'-0"	15'-3"	15'-9"	14'-4"	13'-3"	12'-6"
50.0	8'-9"	7'-5"	7'-8"	12'-3"	10'-5"	10'-9"	9'-6"	8'-6"	12'-6"	10'-8"	11'-0"	10'-0"	9'-3"	15'-10"	13'-6"	13'-11"	12'-7"	11'-9"	11'-0"	17'-4"	14'-9"	15'-2"	13'-10"	12'-10"	12'-1"
55.0	8'-5"	7'-2"	7'-5"	11'-10"	10'-0"	10'-5"	9'-0"	8'-1"	12'-2"	10'-4"	10'-7"	9'-8"	9'-0"	15'-4"	13'-1"	13'-5"	12'-3"	11'-4"	10'-8"	16'-10"	14'-3"	14'-9"	13'-4"	12'-5"	11'-8"
60.0	8'-2"	7'-0"	7'-2"	11'-6"	9'-7"	10'-0"	8'-8"	7'-9"	11'-9"	10'-0"	10'-4"	9'-5"	8'-8"	14'-11"	12'-8"	13'-1"	11'-10"	11'-0"	10'-4"	16'-4"	13'-11"	14'-4"	13'-0"	12'-1"	11'-4"
65.0	8'-0"	6'-9"	7'-0"	11'-3"	9'-2"	9'-7"	8'-4"	7'-5"	11'-6"	9'-9"	10'-1"	9'-2"	8'-6"	14'-6"	12'-4"	12'-9"	11'-7"	10'-9"	10'-1"	15'-11"	13'-6"	13'-11"	12'-8"	11'-9"	11'-1"
70.0	7'-9"	6'-7"	6'-10"	10'-11"	8'-10"	9'-3"	8'-0"	7'-2"	11'-2"	9'-6"	9'-10"	8'-11"	8'-3"	14'-2"	12'-1"	12'-5"	11'-3"	10'-6"	9'-10"	15'-6"	13'-2"	13'-7"	12'-4"	11'-5"	10'-9"
75.0	7'-7"	6'-4"	6'-7"	10'-8"	8'-7"	8'-11"	7'-9"	6'-11"	10'-11"	9'-4"	9'-7"	8'-8"	8'-1"	13'-10"	11'-9"	12'-2"	11'-0"	10'-3"	9'-8"	15'-2"	12'-11"	13'-3"	12'-1"	11'-2"	10'-6"
80.0	7'-5"	6'-2"	6'-5"	10'-6"	8'-3"	8'-8"	7'-6"	6'-8"	10'-8"	9'-1"	9'-5"	8'-6"	7'-11"	13'-7"	11'-6"	11'-10"	10'-9"	10'-0"	9'-5"	14'-10"	12'-7"	13'-0"	11'-10"	10'-11"	10'-4"
85.0	7'-4"	5'-11"	6'-3"	10'-3"	8'-0"	8'-5"	7'-3"	6'-6"	10'-6"	8'-11"	9'-2"	8'-4"	7'-9"	13'-3"	11'-4"	11'-8"	10'-7"	9'-10"	9'-3"	14'-6"	12'-4"	12'-9"	11'-7"	10'-9"	10'-1"
90.0	7'-2"	5'-9"	6'-0"	9'-11"	7'-10"	8'-2"	7'-1"	6'-4"	10'-3"	8'-9"	9'-0"	8'-2"	7'-7"	13'-0"	11'-1"	11'-5"	10'-4"	9'-8"	9'-1"	14'-3"	12'-2"	12'-6"	11'-4"	10'-6"	9'-10"
95.0	7'-0"	5'-8"	5'-11"	9'-8"	7'-7"	7'-11"	6'-10"	6'-2"	10'-1"	8'-7"	8'-10"	8'-1"	7'-6"	12'-10"	10'-11"	11'-3"	10'-2"	9'-5"	8'-11"	14'-0"	11'-11"	12'-3"	11'-2"	10'-4"	9'-7"
100.0	6'-11"	5'-6"	5'-9"	9'-5"	7'-5"	7'-9"	6'-8"	6'-0"	9'-11"	8'-5"	8'-8"	7'-11"	7'-4"	12'-7"	10'-8"	11'-0"	10'-0"	9'-4"	8'-9"	13'-9"	11'-9"	12'-1"	10'-11"	10'-2"	9'-4"
105.0	6'-10"	5'-4"	5'-7"	9'-2"	7'-3"	7'-7"	6'-6"	5'-10"	9'-9"	8'-4"	8'-7"	7'-9"	7'-3"	12'-5"	10'-6"	10'-10"	9'-10"	9'-2"	8'-7"	13'-7"	11'-6"	11'-10"	10'-9"	10'-0"	9'-2"
110.0	6'-8"	5'-3"	5'-6"	9'-0"	7'-1"	7'-5"	6'-5"	5'-9"	9'-8"	8'-2"	8'-5"	7'-8"	7'-1"	12'-2"	10'-4"	10'-8"	9'-8"	9'-0"	8'-6"	13'-4"	11'-4"	11'-8"	10'-7"	9'-9"	8'-11"
115.0	6'-6"	5'-1"	5'-4"	8'-10"	6'-11"	7'-3"	6'-3"	5'-7"	9'-6"	8'-1"	8'-4"	7'-7"	7'-0"	12'-0"	10'-3"	10'-6"	9'-7"	8'-10"	8'-4"	13'-2"	11'-2"	11'-6"	10'-5"	9'-7"	8'-9"
120.0	6'-5"	5'-0"	5'-3"	8'-7"	6'-9"	7'-1"	6'-1"	5'-6"	9'-4"	7'-11"	8'-2"	7'-5"	6'-11"	11'-10"	10'-1"	10'-4"	9'-5"	8'-9"	8'-2"	12'-11"	11'-0"	11'-4"	10'-4"	9'-4"	8'-6"
125.0	6'-3"	4'-11"	5'-2"	8'-5"	6'-7"	6'-11"	6'-0"	5'-4"	9'-3"	7'-10"	8'-1"	7'-4"	6'-10"	11'-8"	9'-11"	10'-3"	9'-4"	8'-8"	8'-0"	12'-9"	10'-10"	11'-2"	10'-2"	9'-2"	8'-4"
130.0	6'-2"	4'-10"	5'-0"	8'-3"	6'-6"	6'-9"	5'-11"	5'-3"	9'-1"	7'-9"	8'-0"	7'-3"	6'-9"	11'-6"	9'-10"	10'-1"	9'-2"	8'-6"	7'-10"	12'-7"	10'-9"	11'-1"	10'-0"	9'-0"	8'-2"
135.0	6'-0"	4'-9"	4'-11"	8'-1"	6'-4"	6'-8"	5'-9"	5'-2"	9'-0"	7'-8"	7'-11"	7'-2"	6'-7"	11'-5"	9'-8"	10'-0"	9'-1"	8'-5"	7'-8"	12'-5"	10'-7"	10'-11"	9'-10"	8'-10"	8'-1"
140.0	5'-11"	4'-8"	4'-10"	8'-0"	6'-3"	6'-6"	5'-8"	5'-1"	8'-11"	7'-7"	7'-9"	7'-1"	6'-6"	11'-3"	9'-7"	9'-10"	8'-11"	8'-3"	7'-7"	12'-4"	10'-6"	10'-9"	9'-8"	8'-8"	7'-11"
145.0	5'-10"	4'-7"	4'-9"	7'-10"	6'-2"	6'-5"	5'-7"	5'-0"	8'-9"	7'-6"	7'-8"	7'-0"	6'-5"	11'-1"	9'-5"	9'-9"	8'-10"	8'-2"	7'-5"	12'-2"	10'-4"	10'-8"	9'-6"	8'-6"	7'-9"
150.0	5'-8"	4'-6"	4'-8"	7'-8"	6'-1"	6'-4"	5'-6"	4'-11"	8'-8"	7'-5"	7'-7"	6'-11"	6'-3"	11'-0"	9'-4"	9'-8"	8'-9"	8'-0"	7'-4"	12'-0"	10'-3"	10'-6"	9'-4"	8'-4"	7'-8"
155.0	5'-7"	4'-5"	4'-7"	7'-7"	5'-11"	6'-3"	5'-5"	4'-10"	8'-7"	7'-4"	7'-6"	6'-10"	6'-2"	10'-10"	9'-3"	9'-6"	8'-8"	7'-10"	7'-2"	11'-11"	10'-1"	10'-5"	9'-2"	8'-3"	7'-6"
160.0	5'-6"	4'-4"	4'-6"	7'-6"	5'-10"	6'-1"	5'-4"	4'-9"	8'-6"	7'-3"	7'-5"	6'-9"	6'-1"	10'-9"	9'-2"	9'-5"	8'-7"	7'-9"	7'-1"	11'-9"	10'-0"	10'-4"	9'-1"	8'-1"	7'-5"
165.0	5'-5"	4'-3"	4'-6"	7'-4"	5'-9"	6'-0"	5'-3"	4'-8"	8'-5"	7'-2"	7'-4"	6'-8"	6'-0"	10'-8"	9'-1"	9'-4"	8'-6"	7'-8"	7'-0"	11'-8"	9'-10"	10'-2"	8'-11"	8'-0"	7'-3"
170.0	5'-4"	4'-2"	4'-5"	7'-3"	5'-8"	5'-11"	5'-2"	4'-7"	8'-4"	7'-1"	7'-4"	6'-7"	5'-11"	10'-6"	9'-0"	9'-3"	8'-5"	7'-6"	6'-10"	11'-6"	9'-8"	10'-1"	8'-9"	7'-10"	7'-2"
175.0	5'-3"	4'-2"	4'-4"	7'-2"	5'-7"	5'-10"	5'-1"	4'-6"	8'-3"	7'-0"	7'-3"	6'-6"	5'-10"	10'-5"	8'-11"	9'-2"	8'-3"	7'-5"	6'-9"	11'-5"	9'-7"	10'-0"	8'-8"	7'-9"	7'-1"
180.0	5'-3"	4'-1"	4'-3"	7'-0"	5'-6"	5'-9"	5'-0"	4'-6"	8'-2"	6'-11"	7'-2"	6'-5"	5'-9"	10'-4"	8'-10"	9'-1"	8'-2"	7'-4"	6'-8"	11'-4"	9'-5"	9'-10"	8'-6"	7'-8"	7'-0"
185.0	5'-2"	4'-0"	4'-3"	6'-11"	5'-5"	5'-8"	4'-11"	4'-5"	8'-1"	6'-11"	7'-1"	6'-4"	5'-8"	10'-3"	8'-9"	9'-0"	8'-1"	7'-2"	6'-7"	11'-3"	9'-4"	9'-9"	8'-5"	7'-6"	6'-11"
190.0	5'-1"	4'-0"	4'-2"	6'-10"	5'-4"	5'-7"	4'-10"	4'-4"	8'-0"	6'-10"	7'-0"	6'-3"	5'-7"	10'-2"	8'-8"	8'-11"	7'-11"	7'-1"	6'-6"	11'-1"	9'-2"	9'-7"	8'-4"	7'-5"	6'-9"
195.0	5'-0"	3'-11"	4'-1"	6'-9"	5'-4"	5'-6"	4'-10"	4'-3"	7'-11"	6'-9"	7'-0"	6'-2"	5'-6"	10'-1"	8'-7"	8'-10"	7'-10"	7'-0"	6'-5"	11'-0"	9'-1"	9'-6"	8'-2"	7'-4"	6'-8"
200.0	4'-11"	3'-11"	4'-1"	6'-8"	5'-3"	5'-6"	4'-9"	4'-3"	7'-11"	6'-8"	6'-11"	6'-1"	5'-5"	10'-0"	8'-6"	8'-9"	7'-9"	6'-11"	6'-4"	10'-11"	8'-11"	9'-4"	8'-1"	7'-3"	6'-7"

NOTES : REFER TO ELEVATIONS ON SHEET 1 OF 16

1- FOR MULLIONS INSTALLED W/O STORM BARS
A) MULLION SPACING SHALL BE SUCH THAT MAXIMUM SLAT SPAN SHALL NOT BE EXCEEDED

2- FOR MULLIONS INSTALLED W/ STORM BARS & HEADERS
A) MULLION SPACING SHALL BE SUCH THAT MAXIMUM HEADER SPAN SHALL NOT BE EXCEEDED
B) STORM BAR SPACING SHALL BE SUCH THAT MAXIMUM SLAT SPAN SHALL NOT BE EXCEEDED