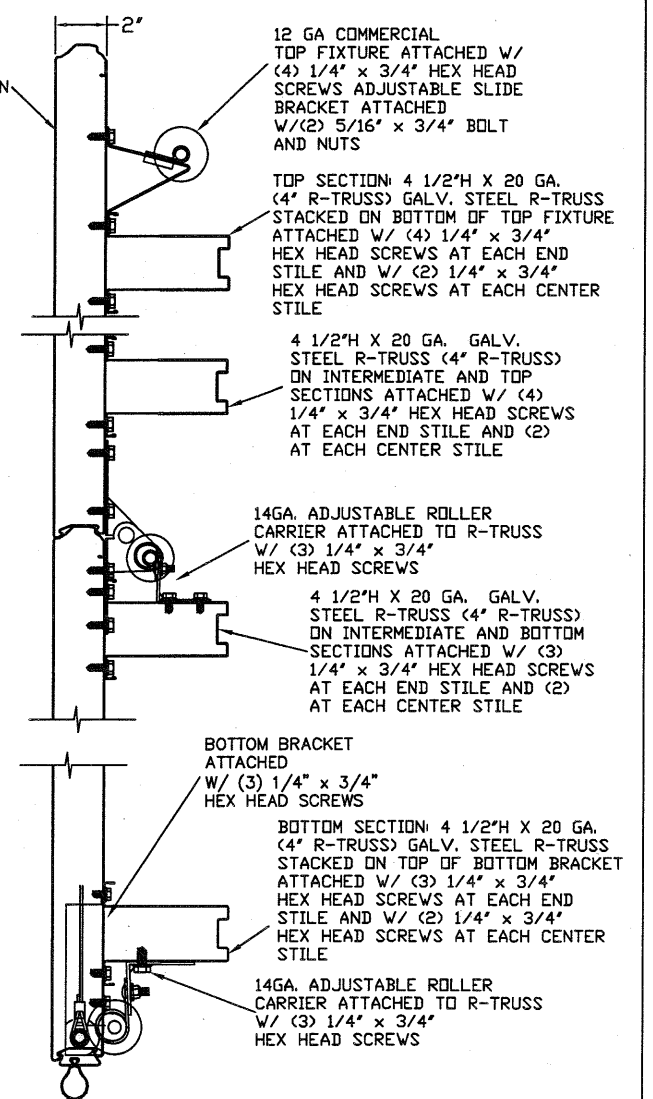
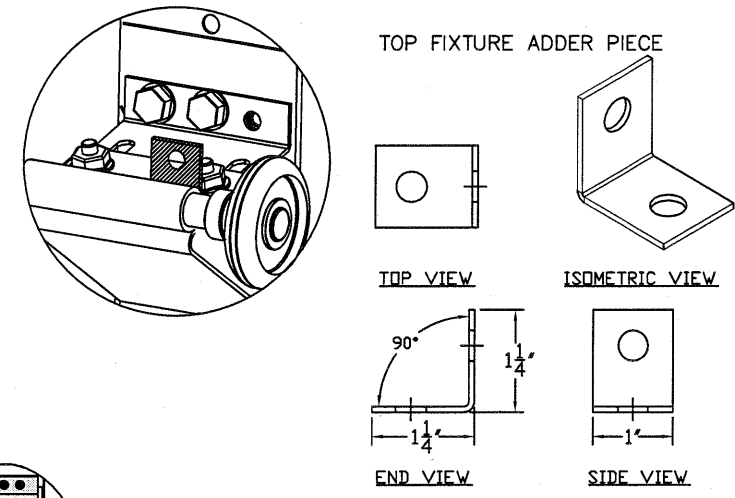
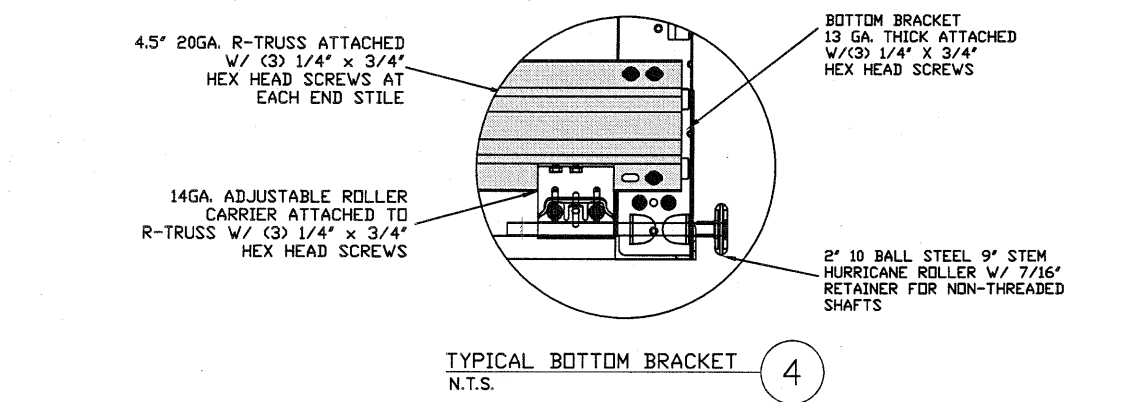


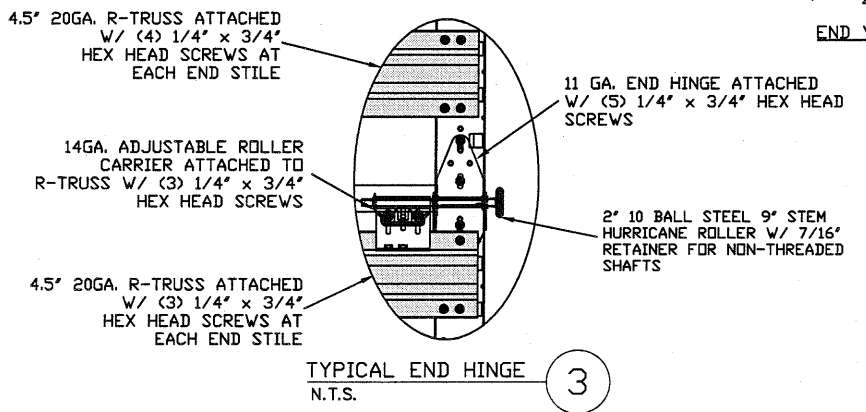
TOP FIXTURE REINFORCEMENT ILLUSTRATION



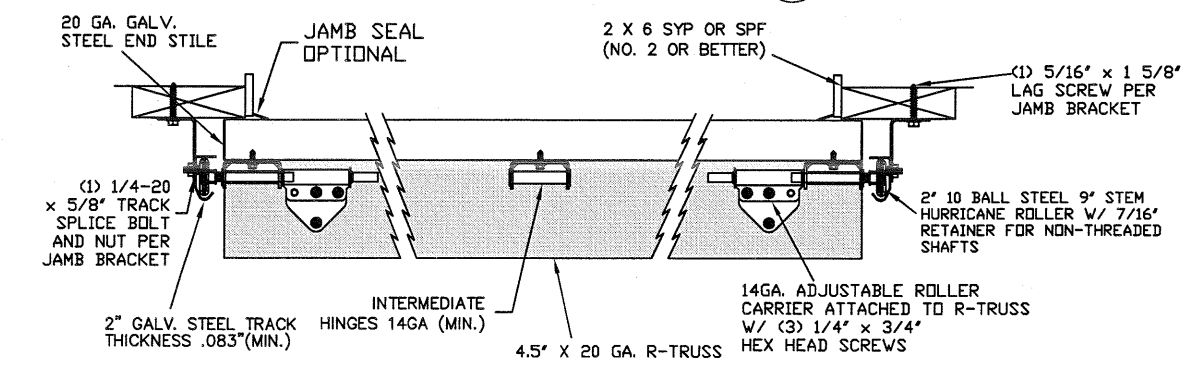
SECTION A-A (SIDE VIEW) N.T.S.



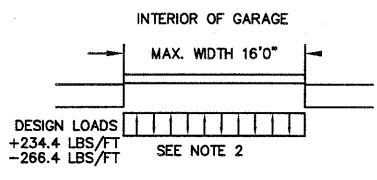
TYPICAL BOTTOM BRACKET N.T.S.



TYPICAL END HINGE N.T.S.



TRACK MOUNTING DETAIL N.T.S.



SPECIFICATIONS AND NOTES

1. ALL THE LOAD FROM THE DOOR IS TRANSFERRED TO THE VERTICAL TRACK, FROM THE TRACK THE LOAD IS TRANSFERRED TO THE VERTICAL JAMBS. THE HORIZONTAL JAMB OR HEADER RECEIVES NO PORTION OF THE LOAD TRANSFERRED FROM THE DOOR.
2. EACH VERTICAL JAMB RECEIVES MAXIMUM DESIGN LOADS OF: +234.4 LBS/FT & -266.4 LBS/FT
3. DOORS AND HARDWARE WILL BE DESIGNED, MANUFACTURED AND INSTALLED WITH STANDARDS AS SET FORTH BY DASMA.
4. DOOR SECTIONS SHALL BE 24 GA. MIN. (.022") ROLLED FORMED LIGHT COMMERCIAL QUALITY
5. SUPPORTING STRUCTURAL ELEMENTS SHALL BE DESIGNED BY A REGISTERED PROFESSIONAL ENGINEER FOR WIND LOADS INDICATED ON THIS DRAWING IN ADDITION TO OTHER LOADINGS.
6. DOOR IS MANUFACTURED AND TESTED IN ACCORDANCE WITH THE 2018 IRC/IBC

THE METHOD OF TESTING WAS IN SUBSTANTIAL CONFORMANCE WITH THE PROCEDURE DESCRIBED IN ASTM E330 AND DASMA 108. THE PRESSURES SHOWN ON THE DRAWINGS WERE CALCULATED USING ASCE 7-16 WITH THE FOLLOWING PARAMETERS (5 FEET OF DOOR WIDTH IN THE END ZONE, ROOF AT ANY SLOPE, AND I=1.0):

WIND SPEED (MPH)	180	164	156	149	143
EXPOSURE LEVEL	B	C	C	D	D
MEAN ROOF HEIGHT	30'	15'	25'	15'	25'

REV	DESCRIPTION OF REVISIONS	DATE	BY

MAX SIZE 16' x 14'

DESIGN LOADS +29.3 PSF -33.3 PSF

TEST LOADS (1.5 x DESIGN LOADS) +44.0 PSF -50.0 PSF

Thomas L. Shelmerdine, PE (TX PE #85829) Structural Solutions, PA (TX Firm #F-004063)

STATE OF TEXAS
THOMAS L. SHELMERDINE
85829
LICENSED PROFESSIONAL ENGINEER
TX

5921-G W. Friendly Ave., Greensboro, NC 27410

Amarr

MODEL #500 AMARR CLASSICA 1000, 2000

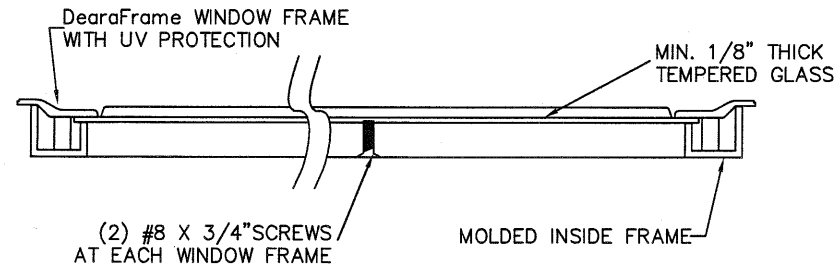
SIZE	DRAWN BY	DRC	DATE	06/17/2020	DRAWING NUMBER
B	CHECKED BY	DLJ	DATE	01/03/2020	IRC-5316-140-24-T

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165 CARRIAGE COURT WINSTON-SALEM, N.C. 27105

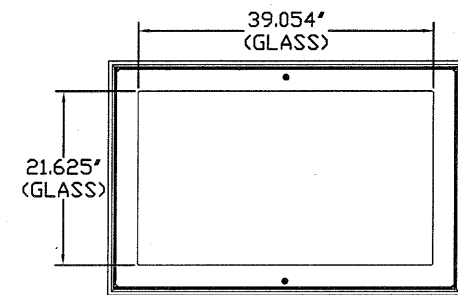
SHEET 1 OF 3

GLAZING OPTION CROSS SECTION

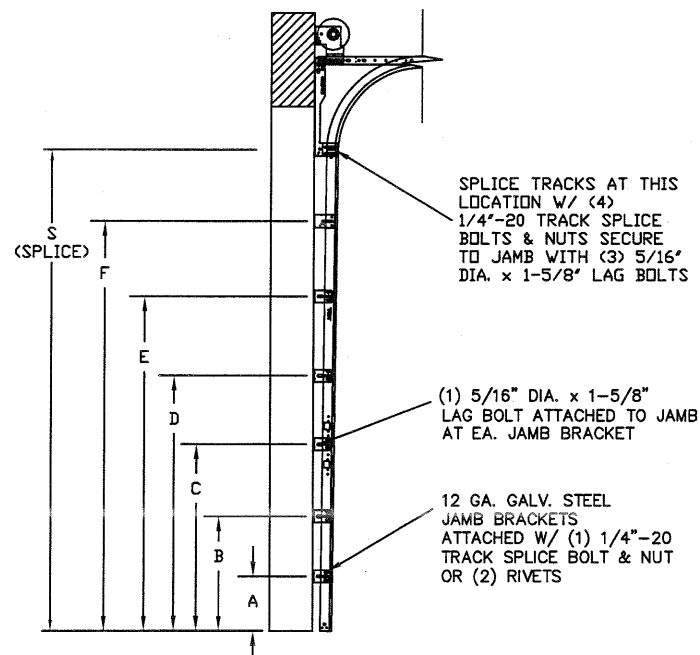
GLAZING NOT AVAILABLE IN WIND-BORNE DEBRIS REGION
GLAZING MEETS ASTM E1300-04



SECTION B-B



SHORT PANEL GLAZING FASTENER DETAIL
N.T.S.



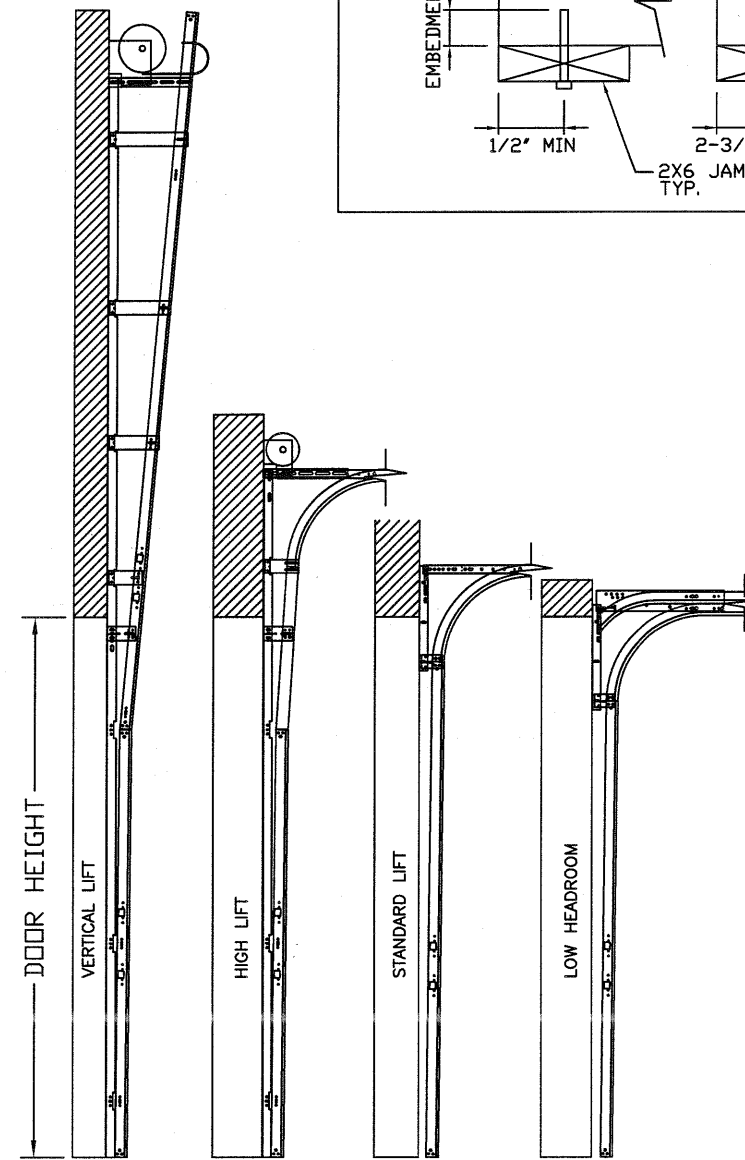
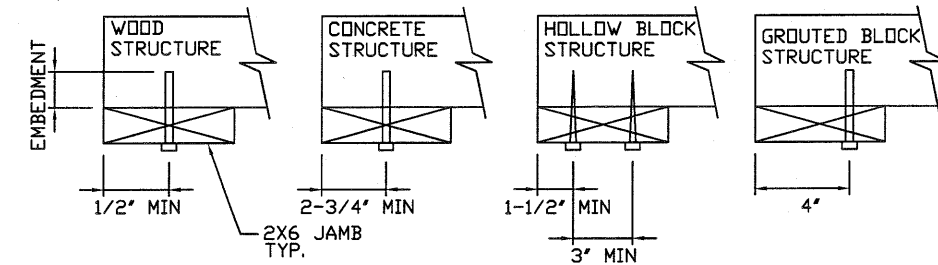
TRACK CONFIGURATION FOR 8' TALL DOORS
N.T.S. SEE TABLE 3 FOR LOCATIONS

WOOD JAMB ATTACHMENT TO STRUCTURE

2 X 6 VERTICAL JAMB ATTACHMENT TO WOOD FRAME STRUCTURE
5/16" X 3' LAG SCREWS STARTING 6" FROM ENDS THEN 20" O.C. (1 1/2" EMBEDMENT)
2 X 6 VERTICAL JAMB ATTACHMENT TO 2,000 PSI CONCRETE
HILTI KWIK BOLT 3/8" X 4' STARTING 6" FROM ENDS THEN 24" O.C. (2 1/2" EMBEDMENT)
HILTI SLEEVE ANCHOR 3/8" X 2-3/4" STARTING 6" FROM ENDS THEN 18" O.C. (1 1/4" EMBEDMENT)
ITW/RAMSET REDHEAD (TRU-BOLT) 3/8" X 4' STARTING 6" FROM ENDS THEN 24" O.C. (2 1/2" EMBEDMENT)
2 X 6 VERTICAL JAMB ATTACHMENT TO HOLLOW C-90 BLOCK
SIMPSON 1/4" X 3' TITEN SCREWS STARTING 6" FROM ENDS, USE PAIRS OF FASTENERS (3' APART) AT 8" O.C. (1 1/2" EMBEDMENT)
HILTI 1/4" X 2-3/4" KWIK-CON II+ SCREWS STARTING 6" FROM ENDS, USE PAIRS OF FASTENERS (3' APART) AT 8" O.C. (1 1/4" EMBEDMENT)

2 X 6 VERTICAL JAMB ATTACHMENT TO GROUTED C-90 BLOCK (2000 PSI GROUT)
HILTI SLEEVE ANCHOR 3/8" X 2-3/4" STARTING 6" FROM ENDS THEN 22" O.C. (1 1/4" EMBEDMENT) (OR, USE FASTENERS FOR HOLLOW C-90 BLOCK)

*LAGS AND BOLTS CAN BE COUNTERSUNK TO PROVIDE A FLUSH MOUNTING SURFACE.
*PREPARATION OF WOOD JAMBS BY OTHERS

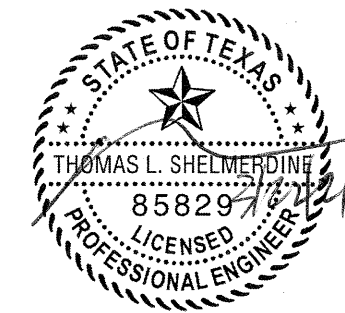


AVAILABLE TRACK CONFIGURATIONS
N.T.S.

REV	DESCRIPTION OF REVISIONS	DATE	BY
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MAX SIZE,
16' x 14'
DESIGN LOADS
+29.3 PSF
-33.3 PSF
TEST LOADS
(1.5 x DESIGN LOADS)
+44.0 PSF
-50.0 PSF

Thomas L. Shelmerdine, PE (TX PE #85829)
Structural Solutions, PA (TX Firm #F-004063)



5921-G W. Friendly Ave., Greensboro, NC 27410

Amarr

MODEL #500 AMARR CLASSICA 1000, 2000

SIZE	DRAWN BY	DRC	DATE	06/17/2020	DRAWING NUMBER
B	CHECKED BY	DLJ	DATE	01/03/2020	IRC-5316-140-24-T
AMARR COMPANY 165 CARRIAGE COURT WINSTON-SALEM, N.C. 27105					SHEET 2 OF 3

TABLE 2

SECTION	STRUT SIZE
TOP	4.5"
	4.5"
7TH	4.5"
	4.5"
6TH	4.5"
	4.5"
5TH	4.5"
	4.5"
4TH	4.5"
	4.5"
3RD	4.5"
	4.5"
2ND	4.5"
	4.5"
BOTTOM	4.5"
	4.5"

TABLE 3

DOOR HEIGHT	TRACK ATTACHMENT											
	A	B	C	D	E	F	G	H	I	J	K	L
7' 0"	10.0"	22.0"	34"	46"	58"							
7' 6"	10.0"	22.0"	34"	46"	58"	70"						
8' 0"	10.0"	22.0"	34"	46"	58"	70"						
8' 6"	10.0"	22.0"	34"	46"	58"	70"	82"					
9' 0"	10.0"	22.0"	34"	46"	58"	70"	82"					
9' 6"	10.0"	22.0"	34"	46"	58"	70"	82"	94"				
10' 0"	10.0"	22.0"	34"	46"	58"	70"	82"	94"				
11' 0"	10.0"	22.0"	34"	46"	58"	70"	82"	94"	106"			
12' 0"	10.0"	22.0"	34"	46"	58"	70"	82"	94"	106"	118"		
13' 0"	10.0"	22.0"	34"	46"	58"	70"	82"	94"	106"	118"	130"	
14' 0"	10.0"	22.0"	34"	46"	58"	70"	82"	94"	106"	118"	130"	142"

ALL TRACK AND ATTACHMENT SPACING +/-2" ALLOWED WITH SYP OR SPF NO. 2 OR BETTER ONLY

TABLE 4

Section	Center Stile Locations (Measured from Left Edge)					Max Design Loads Allowed		
	Width (ft)	1st (in)	2st (in)	3rd (in)	4th (in)	5th (in)	Positive (PSF)	Negative (PSF)
09' 2	28.1	55.0	81.9				38.3	43.5
09' 4	28.6	56.0	83.4				37.6	42.7
09' 6	29.1	57.0	84.9				36.9	42.0
09' 8	29.6	58.0	86.4				36.3	41.3
09' 10	30.1	59.0	87.9				35.7	40.6
10' 0	30.6	60.0	89.4				35.1	39.9
10' 2	31.1	61.0	90.9				34.5	39.2
10' 4	31.6	62.0	92.4				34.0	38.6
10' 6	32.1	63.0	93.9				33.4	38.0
10' 8	32.6	64.0	95.4				32.9	37.4
10' 10	33.1	65.0	96.9				32.4	36.8
11' 0	33.6	66.0	98.4				31.9	36.3
11' 2	34.1	67.0	99.9				31.4	35.7
11' 4	34.6	68.0	101.4				31.0	35.2
11' 6	35.1	69.0	102.9				30.5	34.7
11' 8	35.6	70.0	104.4				30.1	34.2
11' 10	36.1	71.0	105.9				29.6	33.7
12' 0	24.6	48.3	72.0	95.7	119.4		38.9	44.2
12' 2	25.1	49.1	73.0	96.9	120.9		38.3	43.6
12' 4	25.6	49.8	74.0	98.2	122.4		37.8	43.0
12' 6	26.1	50.6	75.0	99.4	123.9		37.3	42.4
12' 8	26.6	51.3	76.0	100.7	125.4		36.8	41.9
12' 10	27.1	52.1	77.0	101.9	126.9		36.3	41.3
13' 0	27.6	52.8	78.0	103.2	128.4		35.9	40.8
13' 2	28.1	53.6	79.0	104.4	129.9		35.4	40.3
13' 4	28.6	54.3	80.0	105.7	131.4		35.0	39.8
13' 6	29.1	55.1	81.0	106.9	132.9		34.6	39.3
13' 8	29.6	55.8	82.0	108.2	134.4		34.1	38.8
13' 10	30.1	56.6	83.0	109.4	135.9		33.7	38.3
14' 0	30.6	57.3	84.0	110.7	137.4		33.3	37.9
14' 2	31.1	58.1	85.0	111.9	138.9		32.9	37.4
14' 4	31.6	58.8	86.0	113.2	140.4		32.5	37.0
14' 6	32.1	59.6	87.0	114.4	141.9		32.2	36.6
14' 8	32.6	60.3	88.0	115.7	143.4		31.8	36.1
14' 10	33.1	61.1	89.0	116.9	144.9		31.4	35.7
15' 0	33.6	61.8	90.0	118.2	146.4		31.1	35.3
15' 2	34.1	62.6	91.0	119.4	147.9		30.8	35.0
15' 4	34.6	63.3	92.0	120.7	149.4		30.4	34.6
15' 6	47.4	70.2	93.0	115.8	138.6		30.0	34.1
15' 8	48.0	71.0	94.0	117.0	140.0		29.6	33.7
15' 10	48.6	71.8	95.0	118.2	141.4		29.3	33.3
16' 0	48.4	72.2	96.0	119.8	143.6		29.3	33.3

Glazing not available in doors < 15'6 wide


Optional glazed top section stile placement

REV	DESCRIPTION OF REVISIONS	DATE	BY

MAX SIZE
16' x 14'

DESIGN LOADS
+29.3 PSF
-33.3 PSF


TEST LOADS
(1.5 x DESIGN LOADS)
+44.0 PSF
-50.0 PSF



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SHEET 3 OF 3