

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 7-98/02/05 WITH THE FOLLOWING PARAMETERS (5 FEET OF DOOR WIDTH IN THE END ZONE, ROOF AT ANY SLOPE, AND I=1.0):

WIND SPEED (MPH)	140	127	121	115	110
EXPOSURE LEVEL	B	C	C	D	D
MEAN ROOF HEIGHT	30'	15'	25'	15'	25'

- SPECIFICATIONS AND NOTES**
- 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.
 - EACH VERTICAL JAMB RECEIVES MAXIMUM DESIGN LOADS OF: +234.4 LBS/FT & -266.4 LBS/FT
 - DOORS AND HARDWARE WILL BE DESIGNED, MANUFACTURED AND INSTALLED WITH STANDARDS AS SET FORTH BY DASMA.
 - DOOR SECTIONS SHALL BE 24 GA. MIN. (.022") ROLLED FORMED LIGHT COMMERCIAL QUALITY
 - SUPPORTING STRUCTURAL ELEMENTS SHALL BE DESIGNED BY A REGISTERED PROFESSIONAL ENGINEER FOR WIND LOADS INDICATED ON THIS DRAWING IN ADDITION TO OTHER LOADINGS.

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 DE #85829) Structural Solutions, PA (TX Firm #F-004063)

STATE OF TEXAS
THOMAS L. SHELMERDINE
85829
LICENSED PROFESSIONAL ENGINEER
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5921-G W. Friendly Ave., Greensboro, NC 27410

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

AMARR MODEL #500 CLASSICA 1000, 2000

SIZE	DRAWN BY	RLR	DATE	6/24/15	DRAWING NUMBER
B	CHECKED BY	RLR	DATE	6/24/15	IRC-5316-140-24-T

SHEET 1 OF 2

TABLE 1

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 OPTION CROSS SECTION

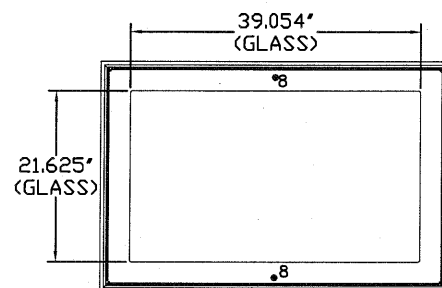
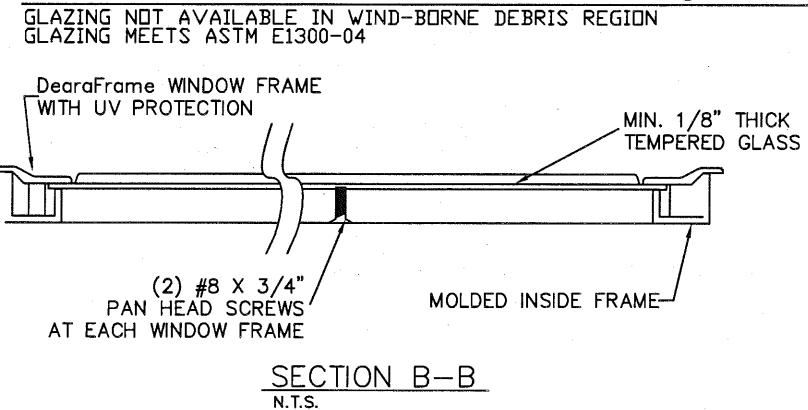


TABLE 2

DOOR HEIGHT	TRACK ATTACHMENT								SPLICE
	A	B	C	D	E	F	G	H	
8'	10"	21"	38"	58"	75"				88"
8' 6"	10"	21"	38"	58"	75"				94"
9'	10"	21"	38"	58"	75"	95"			100"
9' 6"	10"	21"	38"	58"	75"	95"			106"
10'	10"	21"	38"	58"	75"	95"			112"
10' 6"	10"	21"	38"	58"	75"	95"	112"		118"
11'	10"	21"	38"	58"	75"	95"	112"		124"
11' 6"	10"	21"	38"	58"	75"	95"	112"		130"
12'	10"	21"	38"	58"	75"	95"	112"	132"	136"
12' 6"	10"	21"	38"	58"	75"	95"	112"	132"	142"
13'	10"	21"	38"	58"	75"	95"	112"	132"	148"
13' 6"	10"	21"	38"	58"	75"	95"	112"	132"	149"
14'	10"	21"	38"	58"	75"	95"	112"	132"	149"

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

WOOD JAMB ATTACHMENT TO STRUCTURE

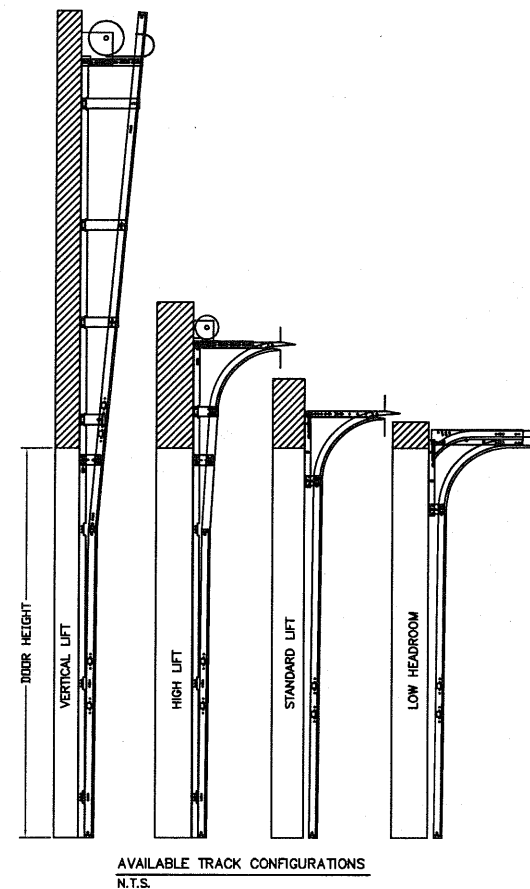
2 X 6 VERTICAL JAMB ATTACHMENT TO WOOD FRAME STRUCTURE
 5/16" X 3" LAG SCREWS STARTING 6" FROM ENDS THEN 20" O.C. (1 1/2" EMBEDMENT)

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



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

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