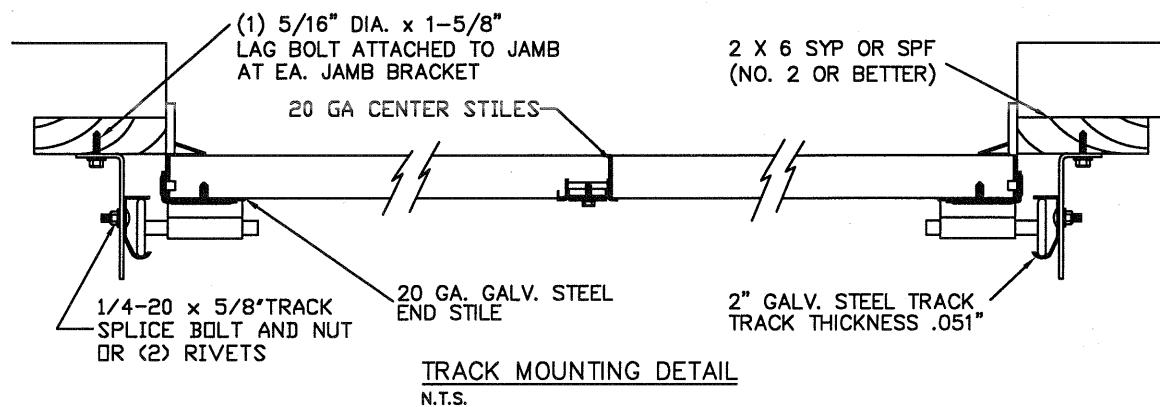
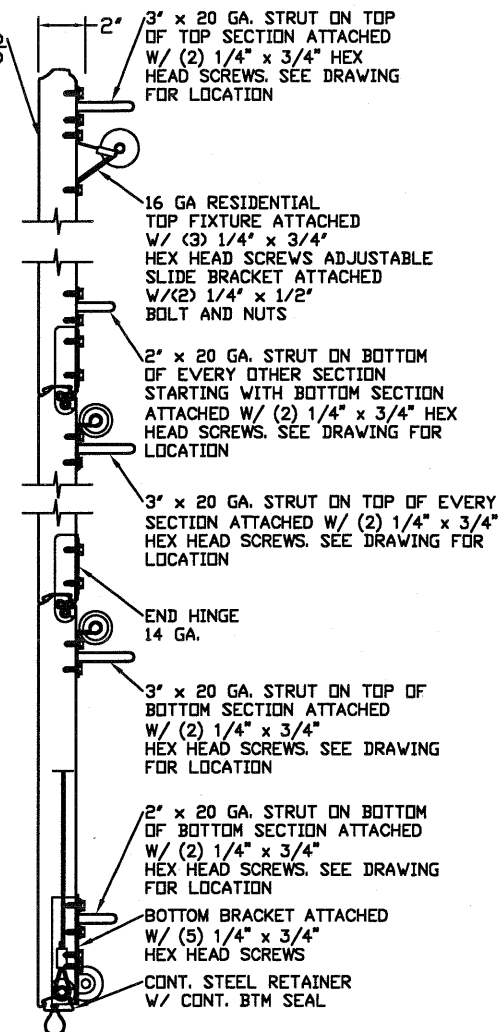
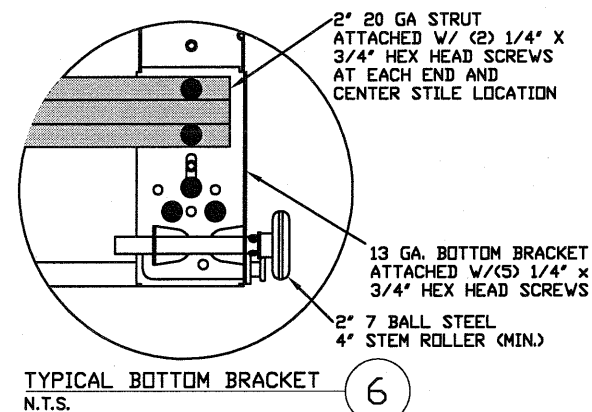
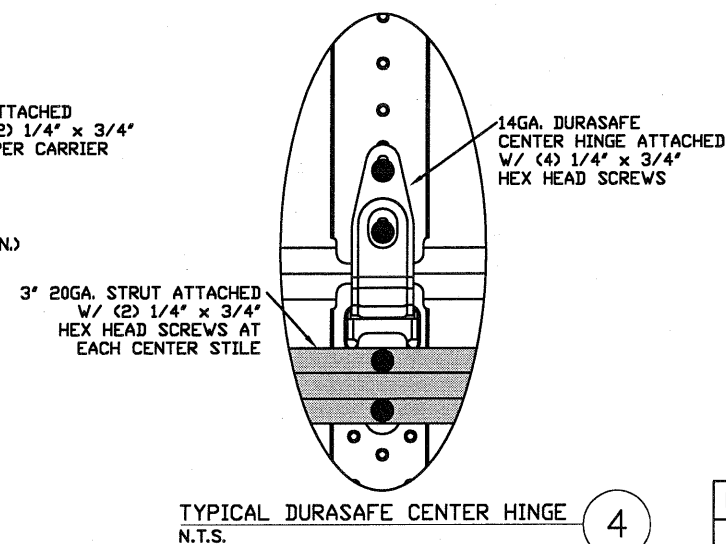
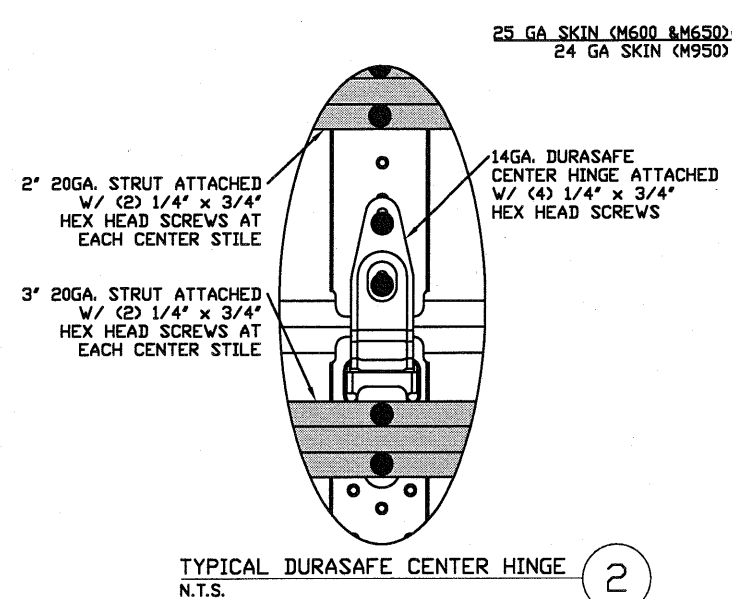
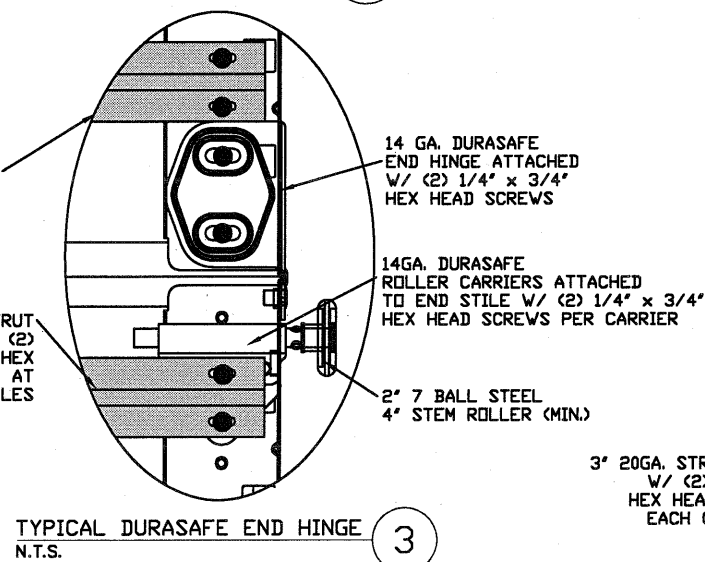
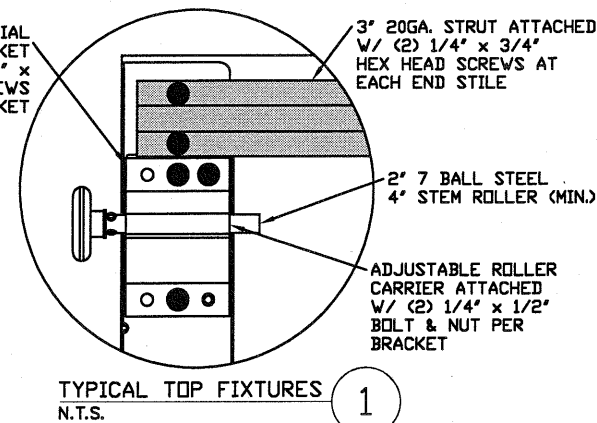
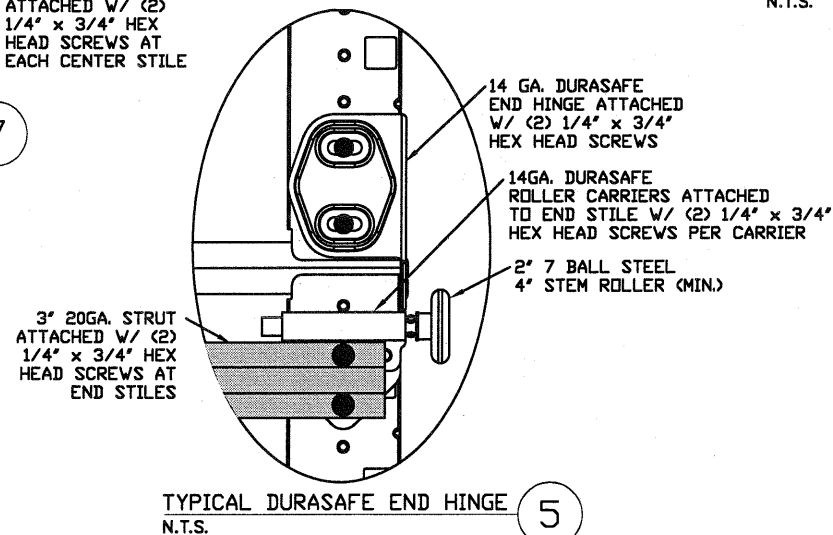
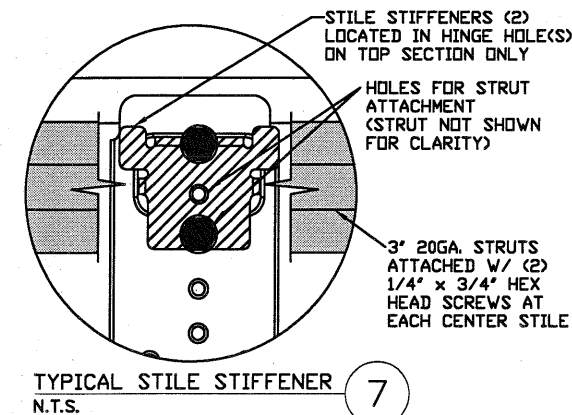
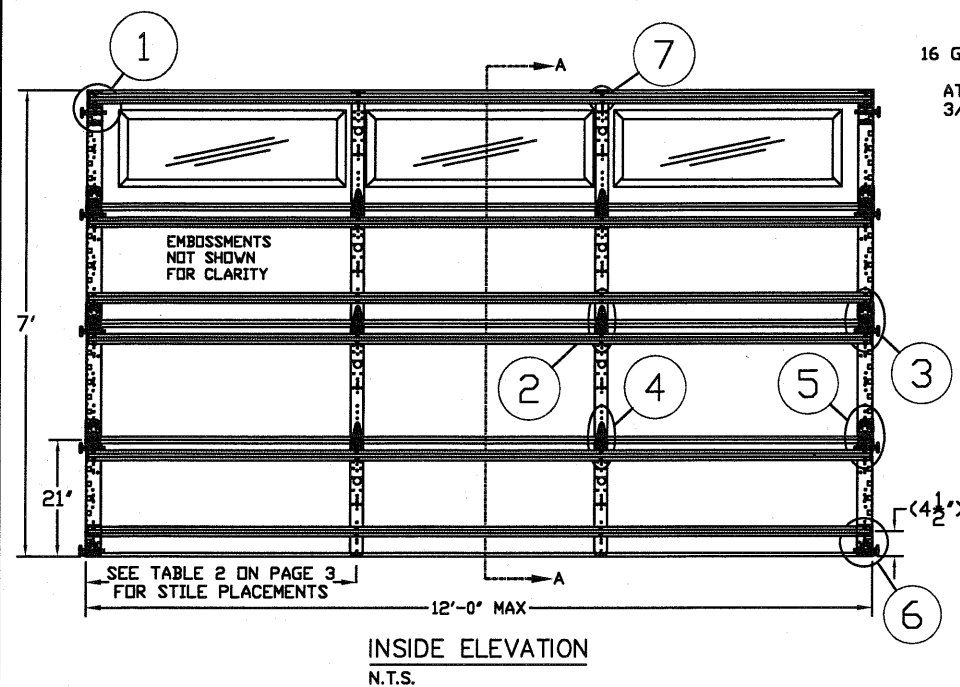




THE METHOD OF TESTING WAS IN SUBSTANTIAL CONFORMANCE WITH THE PROCEDURE DESCRIBED IN ASTM E330 AND DASMA 108. THE PRESSURES SHOWN ON THE DRAWINGS WERE CALCULATED USING ASCE 7-16 WITH THE FOLLOWING PARAMETERS (5 FEET OF DOOR WIDTH IN THE END ZONE, ROOF AT ANY SLOPE):

WIND SPEED (MPH)	141	128	122	116	112
EXPOSURE LEVEL	B	C	C	D	D
MEAN ROOF HEIGHT	30'	15'	25'	15'	25'

REV	DESCRIPTION OF REVISIONS	DATE	BY

MAX SIZE
12' x 14'

DESIGN LOADS
+18.6 PSF
-21.4 PSF

TEST LOADS
(1.5 x DESIGN LOADS)
+27.9 PSF
-32.1 PSF

Thomas L. Shelmerdine, PE (FL PE #0048579)
Structural Solutions, PA (FL Firm #29412)

THOMAS L. SHELMERDINE
LICENSE
No. 48579
STATE OF FLORIDA
PROFESSIONAL ENGINEER
FL

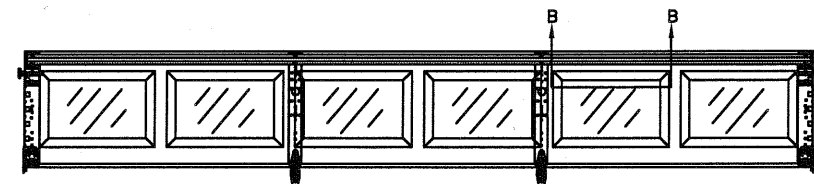
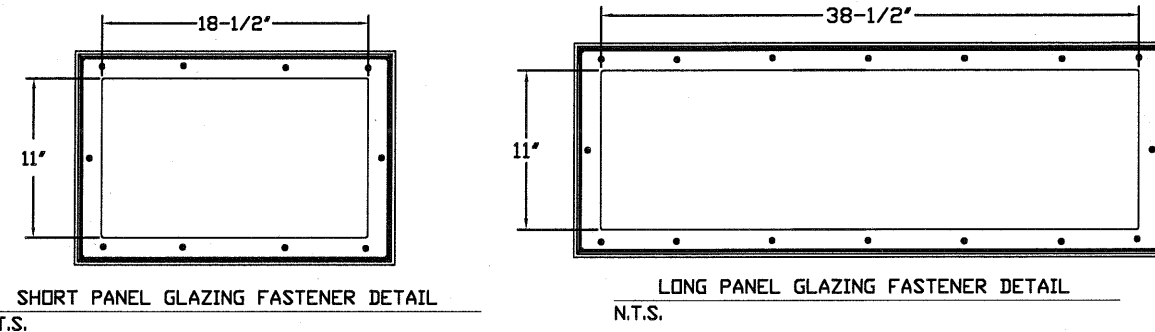
dba Structural Solutions of North Carolina, Inc.
5921-G W. Friendly Ave., Greensboro, NC 27410

Amarr

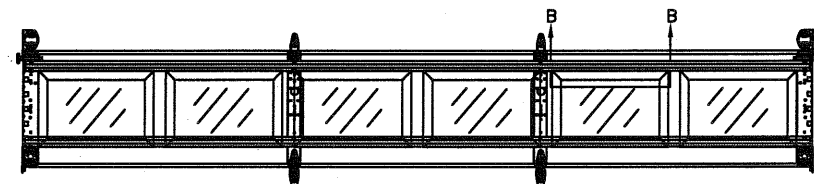
MODEL #600 AMARR STRATFORD 1000, 2000
MODEL #950 AMARR HERITAGE 1000, 2000
MODEL #650 AMARR OAK SUMMIT 1000, 2000
Short, Long, Flush & Oak Summit Panel's

SIZE	DRAWN BY DRD	DATE 09/26/18	DRAWING NUMBER
B	CHECKED BY DLW	DATE 12/12/18	IRC-6012-110-15
ENTREMATIC			SHEET 1 OF 3
165 CARRIAGE COURT WINSTON-SALEM, NC. 27105			

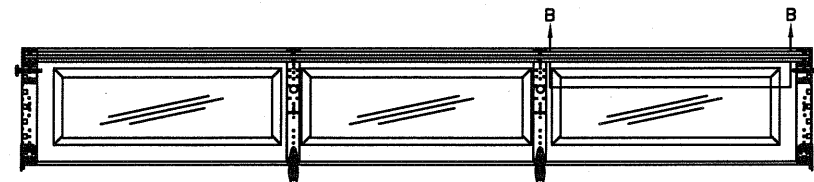
GLAZING NOT AVAILABLE IN WIND-BORNE DEBRIS REGION
GLAZING MEETS ASTM E1300-04



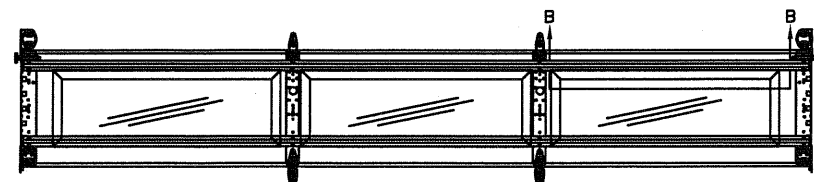
OPTIONAL SHORT PANEL TOP GLAZED SECTION (STRUT AND STILE LAYOUT)



OPTIONAL SHORT PANEL INTERMEDIATE GLAZED SECTION (STRUT AND STILE LAYOUT)

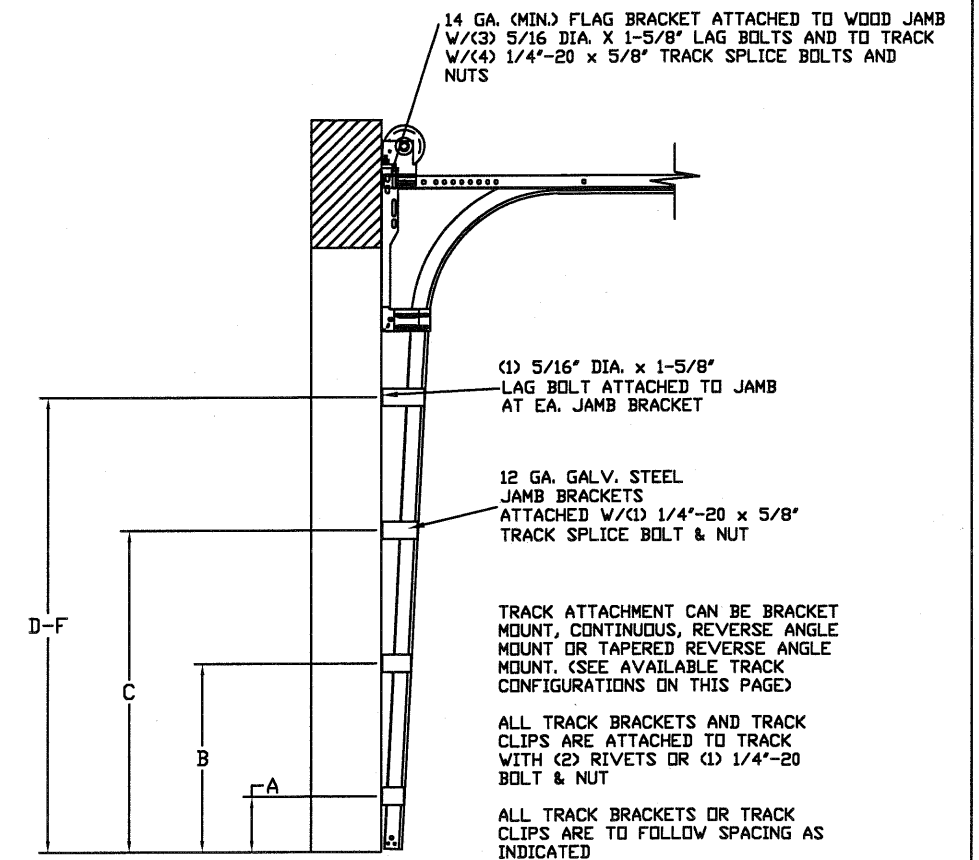
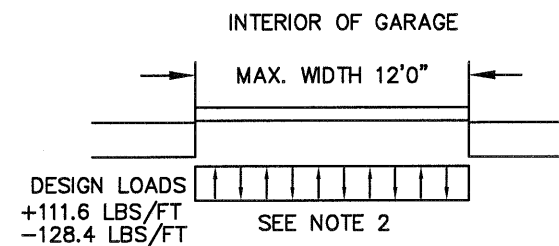


OPTIONAL LONG PANEL TOP GLAZED SECTION (STRUT AND STILE LAYOUT)

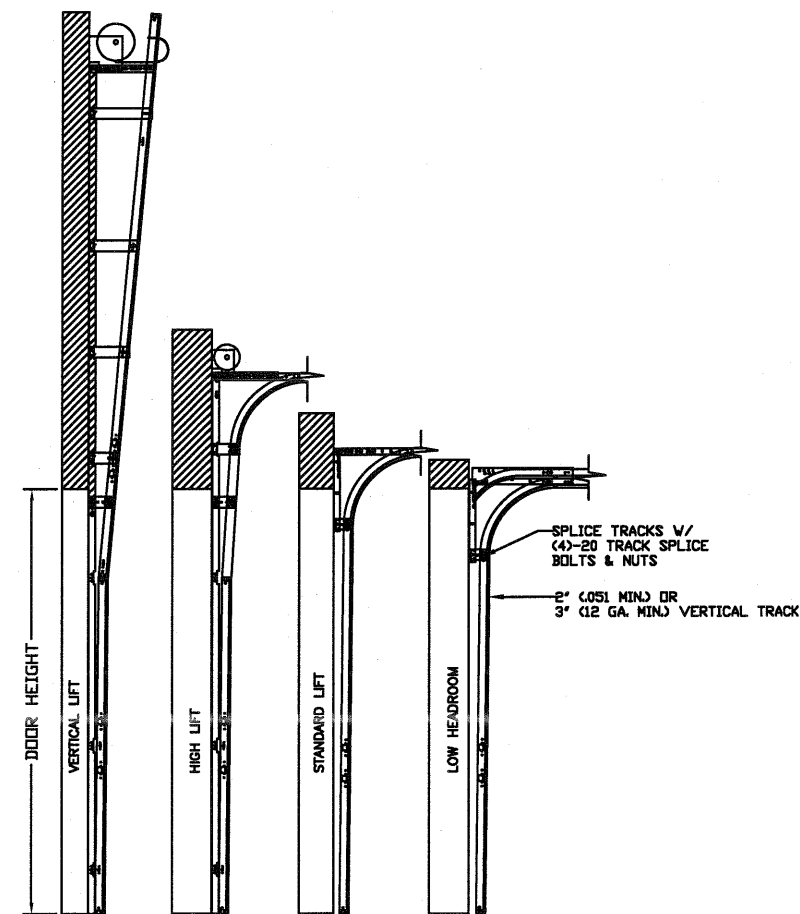


OPTIONAL LONG PANEL INTERMEDIATE GLAZED SECTION (STRUT AND STILE LAYOUT)

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 JAMBS RECEIVES MAXIMUM DESIGN LOADS OF:
+111.6 LBS/FT & -128.4 LBS/FT
3. DOOR AND HARDWARE WILL BE DESIGNED, MANUFACTURED AND INSTALLED WITH STANDARDS AS SET FORTH BY DASMA.
4. DOOR SECTIONS SHALL BE 25 GA. (.019) MIN. 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.



TRACK CONFIGURATION FOR UP TO 14' TALL DOORS
SEE TABLE 1



AVAILABLE TRACK CONFIGURATIONS
N.T.S.

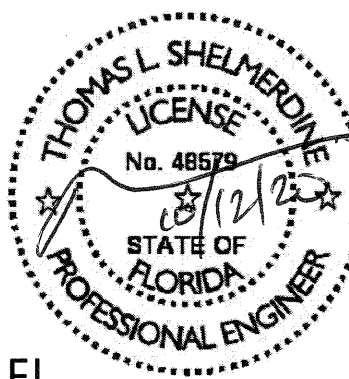
REV	DESCRIPTION OF REVISIONS	DATE	BY
MAX SIZE 12' x 14' DESIGN LOADS +18.6 PSF -21.4 PSF TEST LOADS (1.5 x DESIGN LOADS) +27.9 PSF -32.1 PSF	Thomas L. Shelmerdine, PE (FL PE #0048579) Structural Solutions, PA (FL Firm #29412) FL	 Thomas L. Shelmerdine, Inc. dba Structural Solutions of North Carolina, Inc. 5921-G W. Friendly Ave., Greensboro, NC 27410	
			
MODEL #600 AMARR STRATFORD 1000, 2000 MODEL #950 AMARR HERITAGE 1000, 2000 MODEL #650 AMARR OAK SUMMIT 1000, 2000 Short, Long, Flush & Oak Summit Panel's			
SIZE B	DRAWN BY DRD	DATE 09/26/18	DRAWING NUMBER IRC-6012-110-15
	CHECKED BY DLJ	DATE 12/12/18	
ENTREMATIC 165 CARRIAGE COURT WINSTON-SALEM, N.C. 27105			SHEET 2 OF 3

TABLE 1

DOOR HEIGHT		TRACK ATTACHMENT						TYPICAL SPLICE
		A	B	C	D	E	F	
7'	0"	10.0"	38"	58"				76"
7'	6"	10.0"	38"	58"				82"
8'	0"	10.0"	38"	58"				88"
9'	0"	10.0"	38"	58"	82"			100"
9'	6"	10.0"	38"	58"	82"			106"
10'	0"	10.0"	38"	58"	82"			112"
11'	0"	10.0"	38"	58"	82"	106"		124"
12'	0"	10.0"	38"	58"	82"	106"		136"
13'	0"	10.0"	38"	58"	82"	106"	130"	148"
14'	0"	10.0"	38"	58"	82"	106"	130"	160"

ALL TRACK ATTACHMENTS +/- 2" ALLOWED USING SYP OR SPF NO.2 OR BETTER ONLY

TABLE 2

Section	Panel Type	Center Stile				Max Design Loads Allowed	
Width (ft)		1st (in)	2nd (in)	3rd (in)		Positive (PSF)	Negative (PSF)
10' 0	Short	48.41	71.59			22.3	25.6
10' 0	Long	30.00	60.00	90.00		22.3	25.6
10' 0	Oak Summit	30.63	60.00	89.38		22.3	25.6
10' 2	Short	49.32	72.68			21.9	25.2
10' 2	Long	30.50	61.00	91.50		21.9	25.2
10' 2	Oak Summit	31.13	61.00	90.88		21.9	25.2
10' 4	Short	50.32	73.68			21.6	24.8
10' 4	Long	31.00	62.00	93.00		21.6	24.8
10' 4	Oak Summit	31.63	62.00	92.38		21.6	24.8
10' 6	Short	50.84	75.17			21.2	24.4
10' 6	Long	31.50	63.00	94.50		21.2	24.4
10' 6	Oak Summit	32.13	63.00	93.88		21.2	24.4
10' 8	Short	51.84	76.17			20.9	24.0
10' 8	Long	32.00	64.00	96.00		20.9	24.0
10' 8	Oak Summit	32.13	64.00	95.38		20.9	24.0
10' 10	Short	52.50	77.50			20.6	23.7
10' 10	Long	32.50	65.00	97.50		20.6	23.7
10' 10	Oak Summit	33.13	65.00	96.88		20.6	23.7
11' 0	Short	53.50	78.50			20.2	23.3
11' 0	Long	44.41	87.59			20.0	23.0
11' 0	Oak Summit	33.63	66.00	98.38		20.2	23.3
11' 2	Short	54.20	79.80			19.9	22.9
11' 2	Long	45.30	88.70			19.7	22.7
11' 2	Oak Summit	34.13	67.00	99.88		19.9	22.9
11' 4	Short	55.20	80.80			19.6	22.6
11' 4	Long	46.30	89.70			19.5	22.5
11' 4	Oak Summit	34.13	68.00	101.38		19.6	22.6
11' 6	Short	56.20	81.80			19.4	22.3
11' 6	Long	47.30	90.70			19.3	22.2
11' 6	Oak Summit	35.13	69.00	102.88		19.4	22.3
11' 8	Short	57.20	82.80			19.1	22.0
11' 8	Long	47.63	92.38			19.0	21.8
11' 8	Oak Summit	35.63	70.00	104.38		19.1	22.0
11' 10	Short	47.81	94.19			18.6	21.4
11' 10	Long	48.30	93.70			18.7	21.5
11' 10	Oak Summit	36.13	71.00	105.88		18.8	21.7
12' 0	Short	48.81	95.19			18.6	21.4
12' 0	Long	49.63	94.38			18.6	21.4
12' 0	Oak Summit	48.31	72.00	95.69		18.6	21.4

WOOD JAMB ATTACHMENT TO STRUCTURE (OPTIONAL)

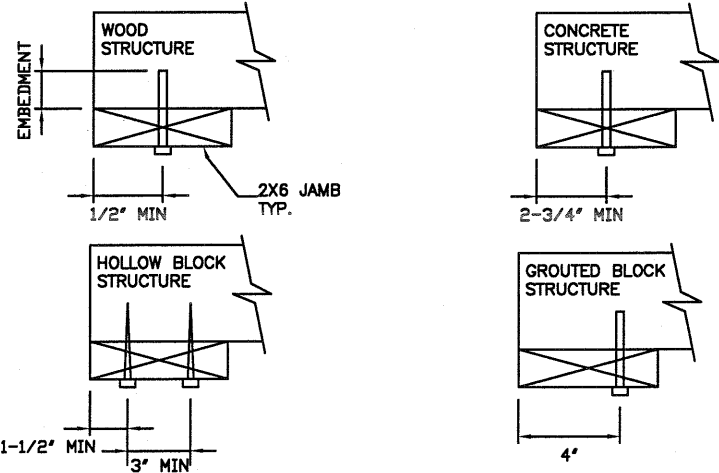
2 X 6 VERTICAL JAMB ATTACHMENT TO WOOD FRAME STRUCTURE
5/16" X 3" LAG SCREWS STARTING 6" FROM ENDS
THEN 24" O.C. (1 1/2" EMBEDMENT)

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 24" 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 24" 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 24" 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 24" 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



REV	DESCRIPTION OF REVISIONS	DATE	BY

MAX SIZE
12' x 14'

DESIGN LOADS
+18.6 PSF
-21.4 PSF

TEST LOADS
(1.5 x DESIGN LOADS)
+27.9 PSF
-32.1 PSF

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SIZE	DRAWN BY DRD	DATE 09/26/18	DRAWING NUMBER
B	CHECKED BY DLJ	DATE 12/12/18	IRC-6012-110-15
ENTREMATIC 165 CARRIAGE COURT WINSTON-SALEM, N.C. 27105			SHEET 3 OF 3