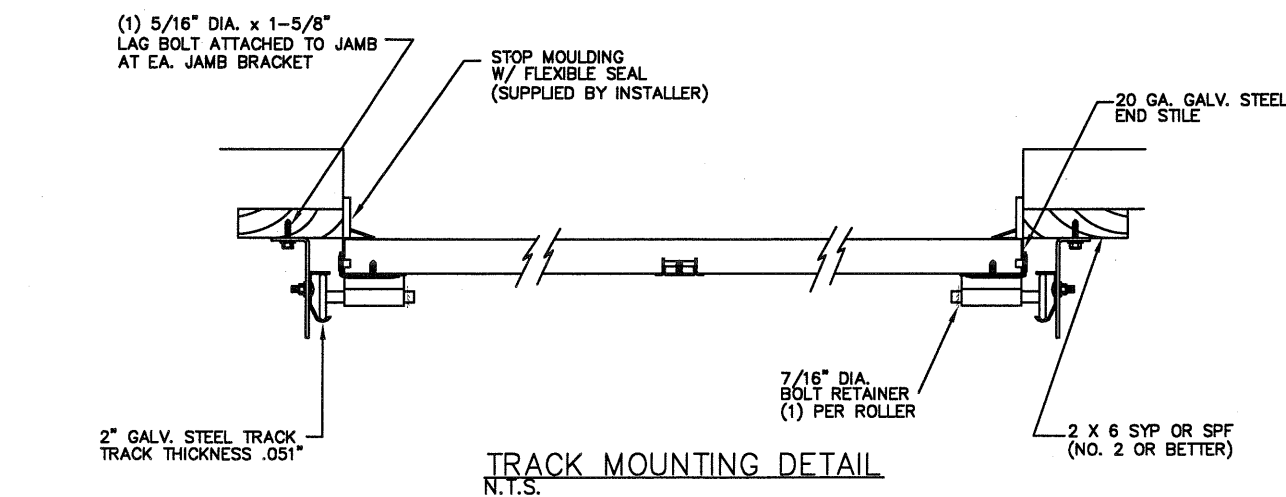
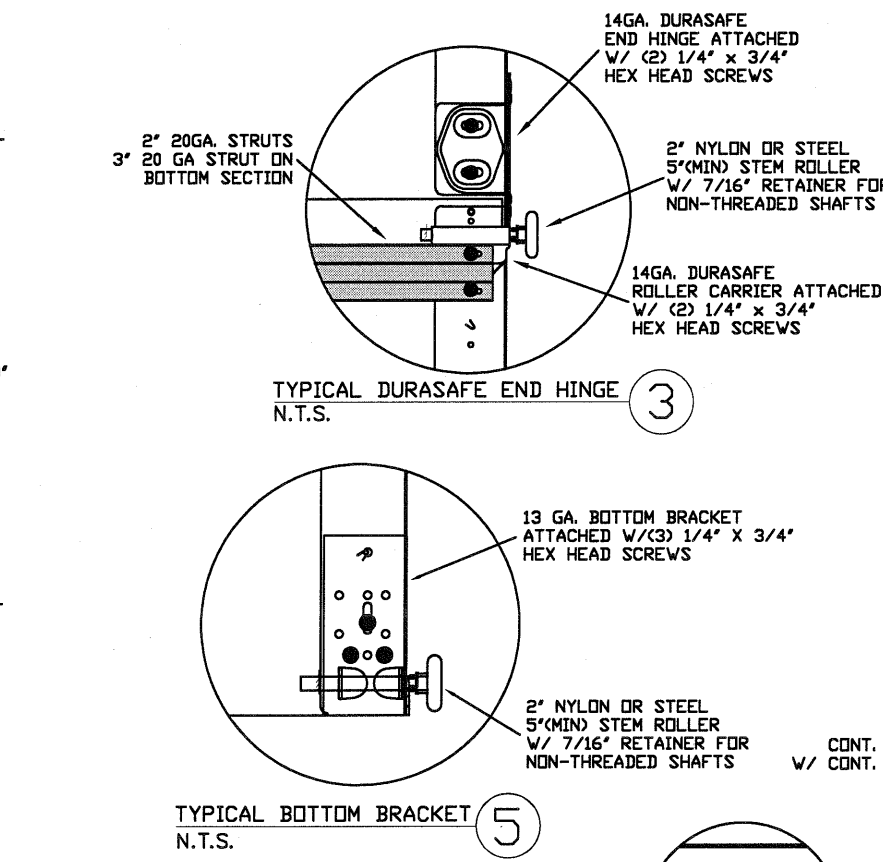
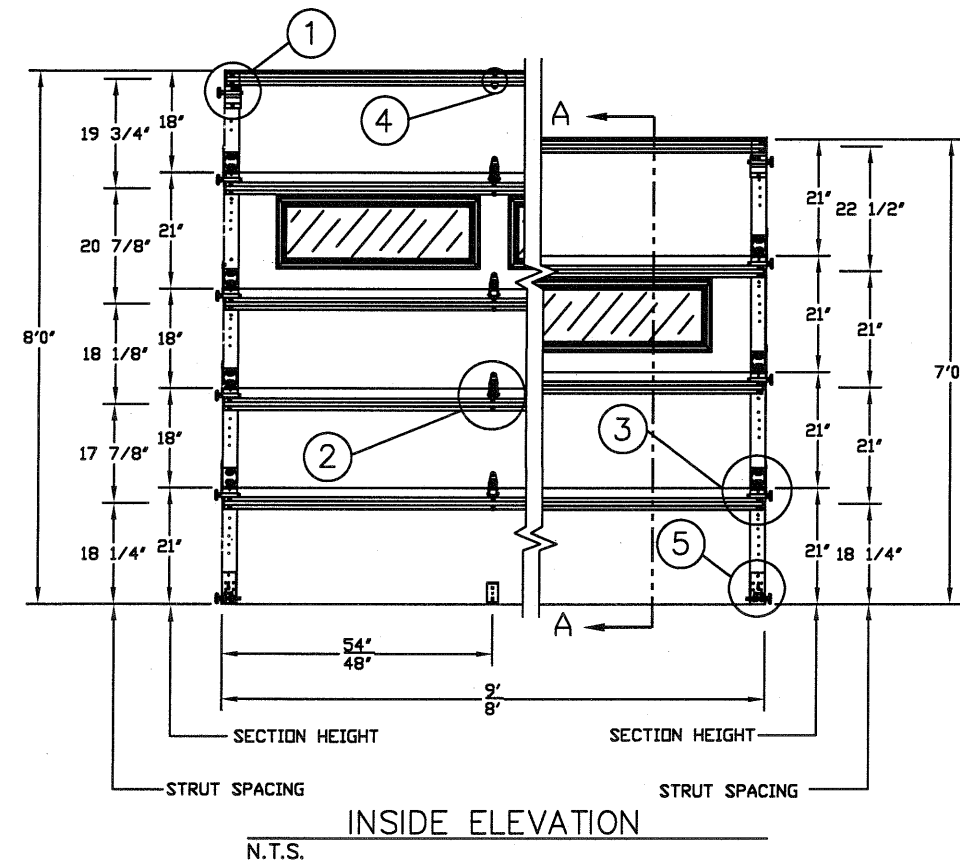
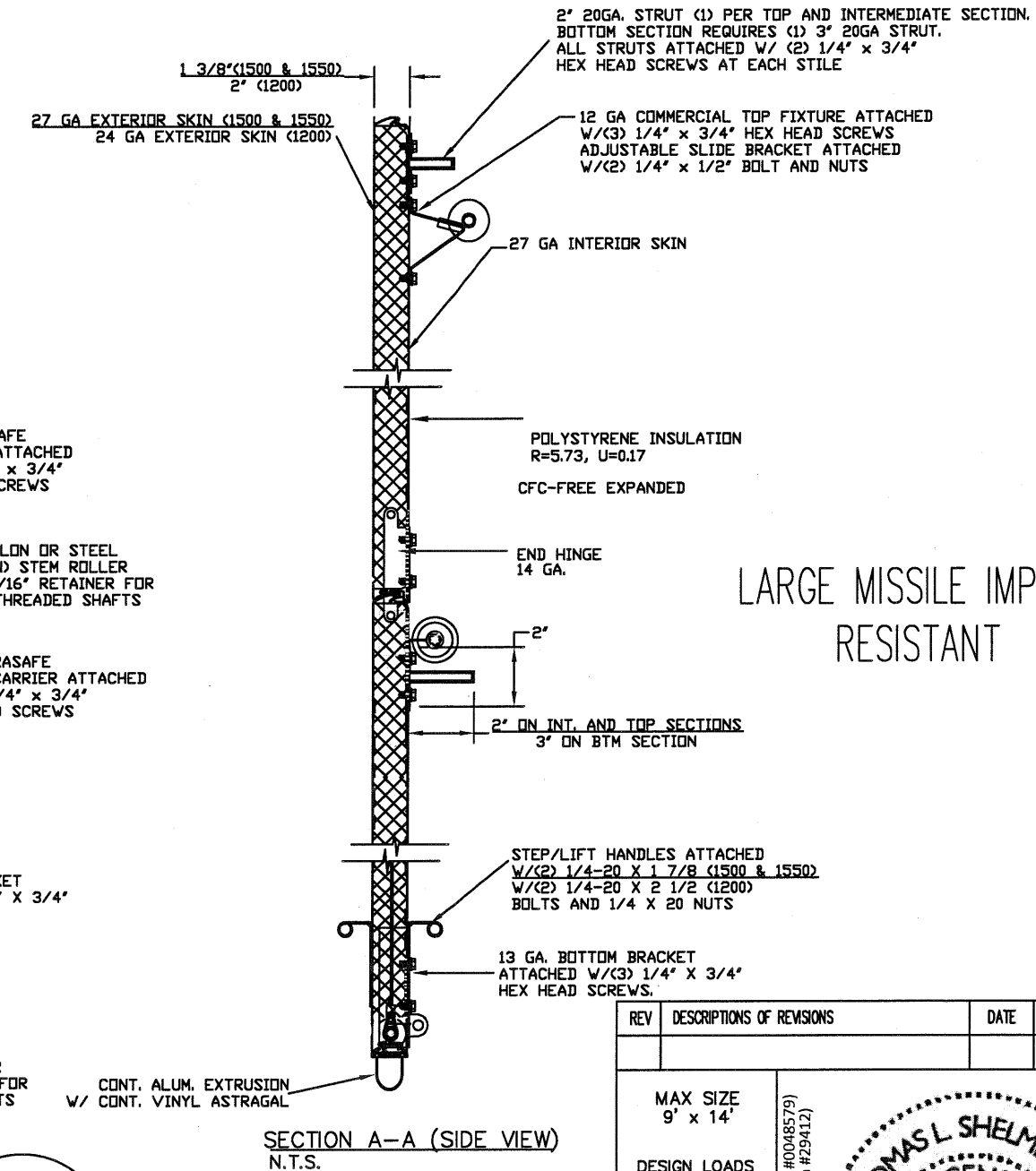
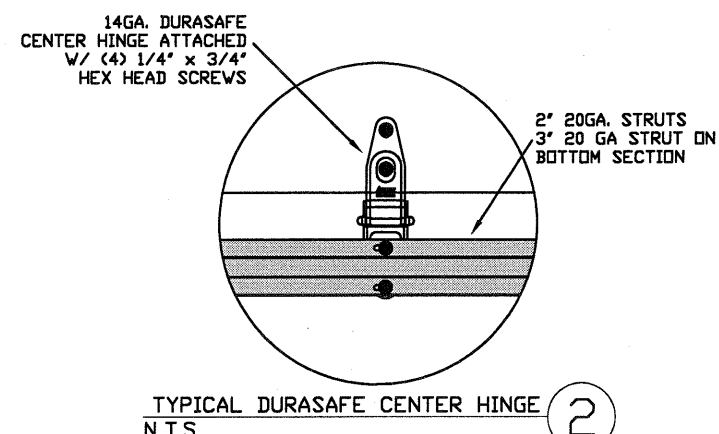
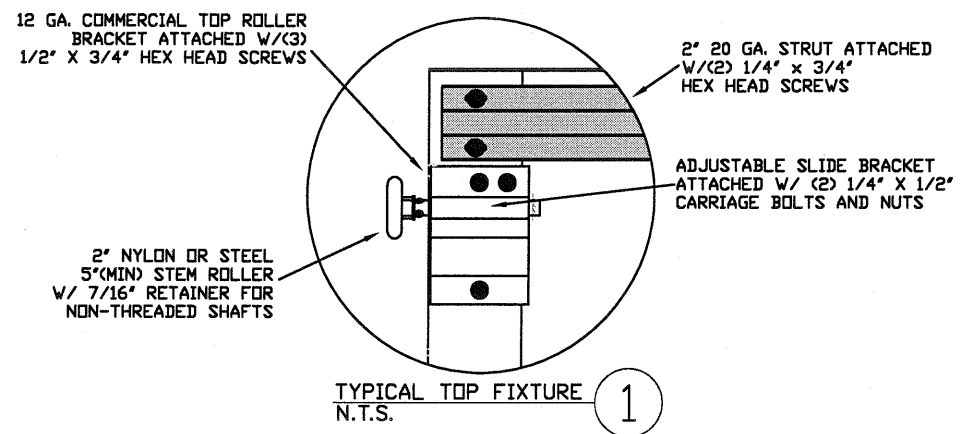




THE METHOD OF TESTING WAS IN SUBSTANTIAL CONFORMANCE WITH THE PROCEDURE DESCRIBED IN DASMA 108-05 & 115-05, AND ASTM E330-02, E1886-05, E1996-09, & F588-07. THE PRESSURES SHOWN ON THE DRAWINGS WERE CALCULATED USING ASCE 7-16 WITH THE FOLLOWING PARAMETERS (3 FEET OF DOOR WIDTH IN THE END ZONE, ROOF AT ANY SLOPE):

WIND SPEED (MPH)	168	152	145	138	133
EXPOSURE LEVEL	B	C	C	D	D
MEAN ROOF HEIGHT	30'	15'	25'	15'	25'

REV	DESCRIPTIONS OF REVISIONS	DATE	BY

MAX SIZE 9' x 14'

DESIGN LOADS +26.7 PSF -30.7 PSF

TEST LOADS +40.1 PSF -46.1 PSF

LARGE MISSILE IMPACT RESISTANCE

Thomas L. Shelmerdine, PE (FL PE #0048579) Structural Solutions, PA (FL Firm #294112)

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 #1500 STRATFORD 3000

MODEL #1200 HERITAGE 3000

MODEL #1550 OAK SUMMIT 3000

SHORT, LONG, FLUSH & OAK SUMMIT PANELS

SIZE	DRAWN BY	RLR	DATE	10/16/14	DRAWING NUMBER
B	CHECKED BY	DATE	IRC-1509-130-15-I		

ENTREMATICS
165 CARRIAGE COURT WINSTON-SALEM, NC. 27105

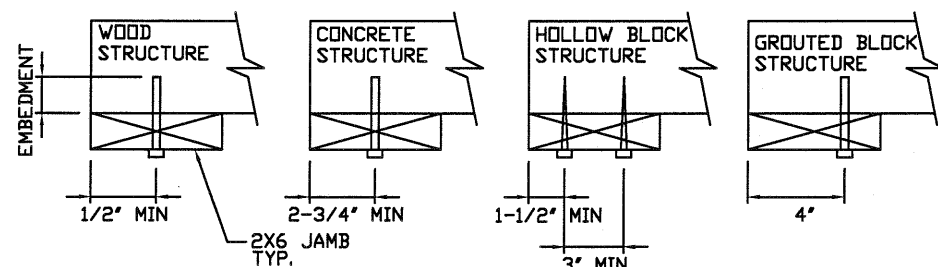
SHEET 1 OF 3

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 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/RAMSEY 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)

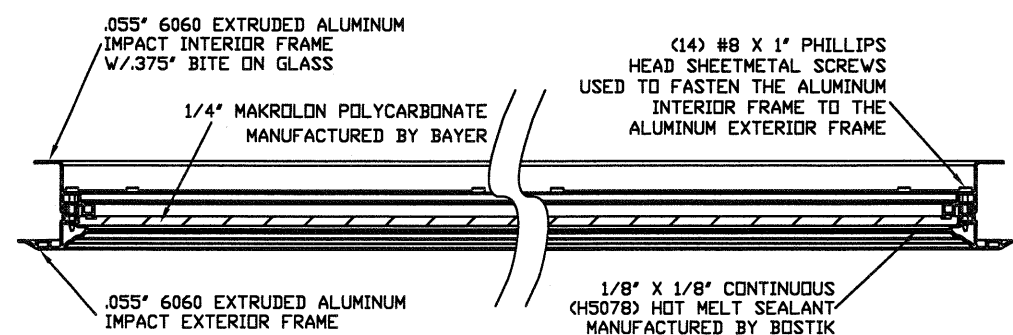
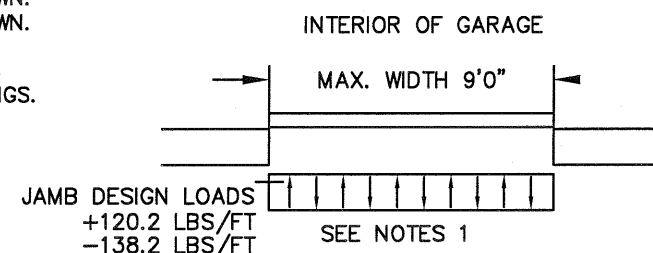
2 X 6 VERTICAL JAMB ATTACHMENT TO GROUTED C-90 BLOCK (2000 PSI GROUT)
HILTI SLEEVE ANCHOR 3/8" X 2-3/4" STARTING 6" FROM ENDS THEN 24" O.C. (1 1/4"
EMBEDMENT) (OR, USE FASTENERS FOR HOLLOW C-90 BLOCK)

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



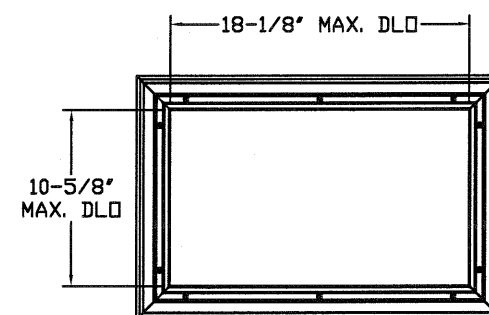
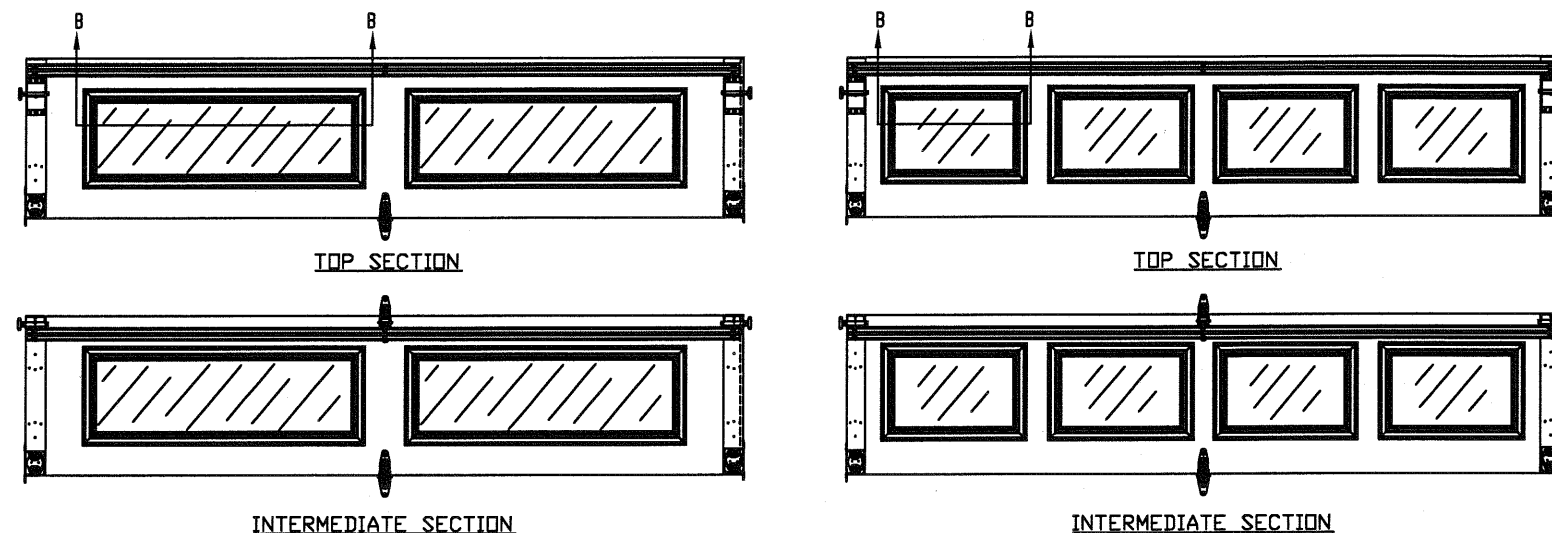
SPECIFICATIONS AND NOTES

1. DOORS AND HARDWARE WILL BE DESIGNED, MANUFACTURED AND INSTALLED WITH STANDARDS AS SET FORTH BY DASMA.
2. DOOR SECTIONS SHALL BE 27 GA. MIN. (.016") INTERIOR AND EXTERIOR ROLLED FORMED LIGHT COMMERCIAL QUALITY
3. DOORS UPTO 7'0" HIGH CONSIST OF (4) SECTIONS AS SHOWN.
4. DOORS UPTO 8'0" HIGH CONSIST OF (5) SECTIONS AS SHOWN.
5. SUPPORTING STRUCTURAL ELEMENTS SHALL BE DESIGNED BY A REGISTERED PROFESSIONAL ENGINEER FOR WIND LOADS INDICATED ON THIS DRAWING IN ADDITION TO OTHER LOADINGS.

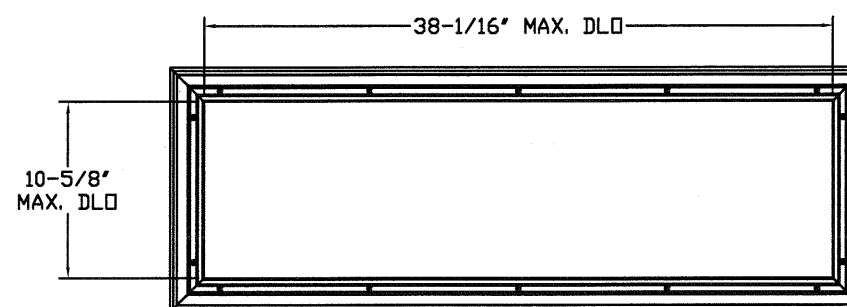


SECTION B-B IMPACT WINDOW DETAIL
N.T.S.

OPTIONAL SHORT AND LONG PANEL GLAZING LAYOUTS

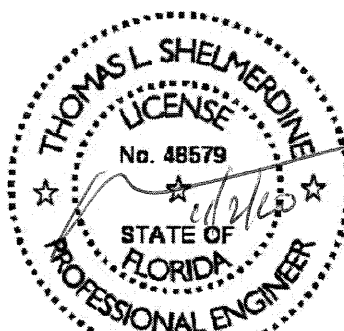


SHORT PANEL IMPACT GLAZING FASTENER DETAIL
N.T.S.



LONG PANEL IMPACT GLAZING FASTENER DETAIL
N.T.S.

REV	DESCRIPTIONS OF REVISIONS	DATE	BY

MAX SIZE 9' x 14' DESIGN LOADS +26.7 PSF -30.7 PSF TEST LOADS +40.1 PSF -46.1 PSF LARGE MISSILE IMPACT RESISTANCE	Thomas L. Shelmardine, PE (FL PE #0048579) Structural Solutions, PA (FL Firm #29412)		dba Structural Solutions of North Carolina, Inc.



MODEL #1500 STRATFORD 3000 MODEL #1200 HERITAGE 3000 MODEL #1550 OAK SUMMIT 3000 SHORT, LONG, FLUSH & OAK SUMMIT PANELS			
SIZE B	DRAWN BY RLR	DATE 10/16/14	DRAWING NUMBER IRC-1509-130-15
	CHECKED BY	DATE	
ENTREMATIC 165 CARRIAGE COURT WINSTON-SALEM, N.C. 27105			SHEET 2 OF 3

Section	Panel Type	Center Stile Location (Measured from Left Edge)		Max Design Loads Allowed	
Width (ft)		1st (in)	2nd (in)	Positive (PSF)	Negative (PSF)
6' 0	Short	24.406	47.594	40.0	46.0
6' 0	Oak Summit	24.644	47.357	40.0	46.0
7' 0	Short	29.200	54.800	34.3	39.4
7' 0	Oak Summit	29.144	54.857	34.3	39.4
7' 2	Short	30.200	55.800	33.5	38.5
7' 2	Oak Summit	29.894	56.107	33.5	38.5
7' 4	Short	31.200	56.800	32.7	37.6
7' 4	Oak Summit	30.644	57.357	32.7	37.6
7' 6	Short	32.200	57.800	32.0	36.8
7' 6	Long	45.000		32.0	36.8
7' 6	Oak Summit	45.000		32.0	36.8
7' 8	Short	32.200	60.000	31.3	36.0
7' 8	Long	46.000		31.3	36.0
7' 8	Oak Summit	46.000		31.3	36.0
7' 10	Short	33.000	61.000	30.6	35.2
7' 10	Long	47.000		30.6	35.2
7' 10	Oak Summit	47.000		30.6	35.2
8' 0	Short	48.000		30.0	34.5
8' 0	Long	48.000		30.0	34.5
8' 0	Oak Summit	48.000		30.0	34.5
8' 2	Short	49.000		29.4	33.8
8' 2	Long	49.000		29.4	33.8
8' 2	Oak Summit	49.000		29.4	33.8
8' 4	Short	50.000		28.8	33.1
8' 4	Long	50.000		28.8	33.1
8' 4	Oak Summit	50.000		28.8	33.1
8' 6	Short	51.000		28.2	32.5
8' 6	Long	51.000		28.2	32.5
8' 6	Oak Summit	51.000		28.2	32.5
8' 8	Short	52.000		27.7	31.8
8' 8	Long	52.000		27.7	31.8
8' 8	Oak Summit	52.000		27.7	31.8
8' 10	Short	53.000		27.2	31.2
8' 10	Long	53.000		27.2	31.2
8' 10	Oak Summit	53.000		27.2	31.2
9' 0	Short	54.000		26.7	30.7
9' 0	Long	54.000		26.7	30.7
9' 0	Oak Summit	54.000		26.7	30.7

DOOR HEIGHT	TRACK ATTACHMENT								SPICE
	A	B	C	D	E	F	G	H	S
6' 6"	3.5"	21"	42"	63"					70"
7'	3.5"	21"	42"	63"					76"
7' 6"	3.5"	21"	42"	63"					82"
8'	3.5"	21"	42"	63"					88"
8' 6"	3.5"	21"	42"	63"	84"				94"
9'	3.5"	21"	42"	63"	84"				100"
9' 6"	3.5"	21"	42"	63"	84"				106"
10'	3.5"	21"	42"	63"	84"	105"			112"
10' 6"	3.5"	21"	42"	63"	84"	105"			118"
11'	3.5"	21"	42"	63"	84"	105"			124"
11' 6"	3.5"	21"	42"	63"	84"	105"			130"
12'	3.5"	21"	42"	63"	84"	105"	126"		136"
12' 6"	3.5"	21"	42"	63"	84"	105"	126"		142"
13'	3.5"	21"	42"	63"	84"	105"	126"		148"
13' 6"	3.5"	21"	42"	63"	84"	105"	126"	147"	154"
14'	3.5"	21"	42"	63"	84"	105"	126"	147"	160"

Technical drawing of a door jamb assembly. The drawing shows a vertical jamb with a horizontal track at the top. Dimensions are indicated by vertical arrows on the left: S (SPLICE), D-F, C, B, and A. Hardware specifications are provided in two callouts:

- SPLICE TRACKS AT THIS LOCATION
W/ (4) 1/4"-20 TRACK SPLICE BOLTS & NUTS
SECURE TO JAMB WITH (3) 5/16" DIA. x 1-5/8" LAG BOLTS
- 12 GA. GALV. STEEL
JAMB BRACKETS
ATTACHED W/ (1) 1/4"-20
TRACK SPLICE BOLT & NUT

The diagram illustrates four types of door lifts, each showing the door's path and the lift mechanism:

- VERTICAL LIFT:** Shows a door opening vertically upwards. A vertical dimension line on the left is labeled "DOOR HEIGHT".
- HIGH LIFT:** Shows a door opening vertically upwards, with the lift mechanism mounted high on the wall.
- STANDARD LIFT:** Shows a door opening vertically upwards, with the lift mechanism mounted at a standard height.
- LOW HEADROOM:** Shows a door opening vertically upwards, with the lift mechanism mounted low on the wall, suitable for low headroom environments.

REV	DESCRIPTIONS OF REVISIONS	DATE	BY
MAX SIZE 9' x 14' DESIGN LOADS +26.7 PSF -30.7 PSF TEST LOADS +40.1 PSF -46.1 PSF LARGE MISSILE IMPACT RESISTANCE		Thomas L. Shelmerdine, PE (FL PE #00048579) Structural Solutions, PA (FL Firm #29412) FL	
<i>Amarr</i>			
MODEL #1500 STRATFORD 3000 MODEL #1200 HERITAGE 3000 MODEL #1550 OAK SUMMIT 3000 SHORT, LONG, FLUSH & OAK SUMMIT PANELS			
SIZE	DRAWN BY	R/R	DATE 10/16/14
B	CHECKED BY		DATE
			DRAWING NUMBER
			IRC-1509-130-15-
ENTREMATIC			SHEET 3 OF 3
165 CARRIAGE COURT WINSTON-SALEM, NC 27105			