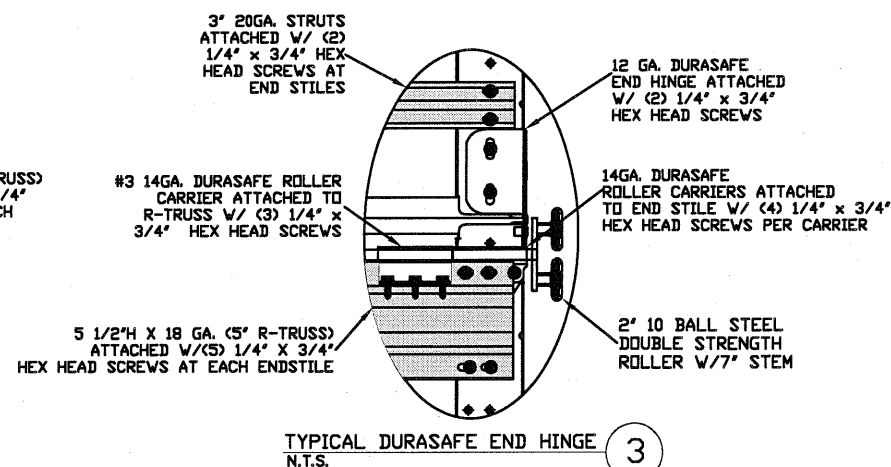
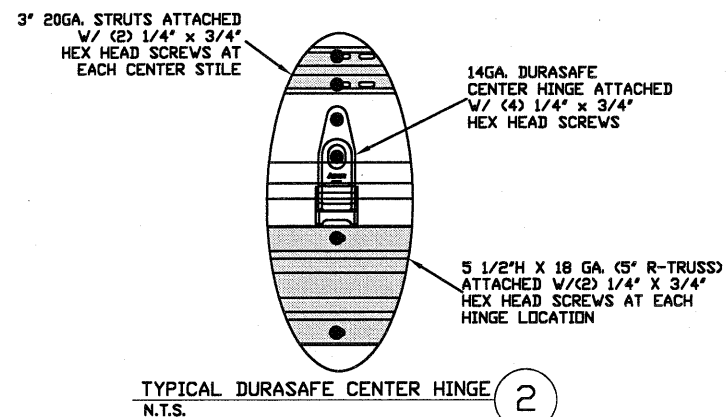
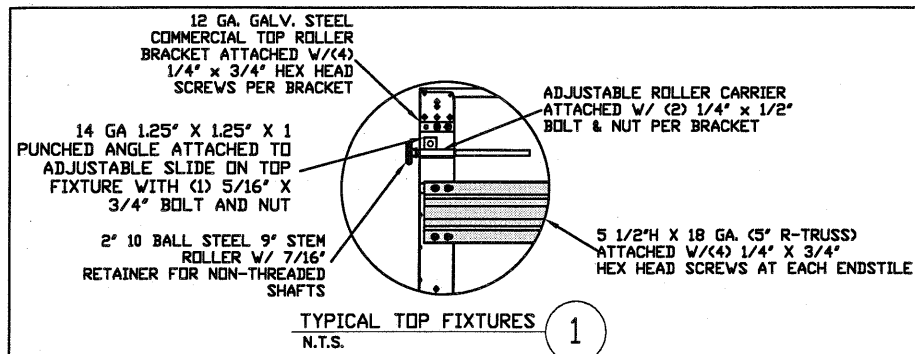
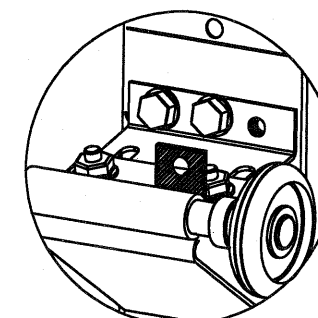
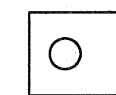




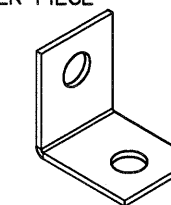
TOP FIXTURE REINFORCEMENT ILLUSTRATION



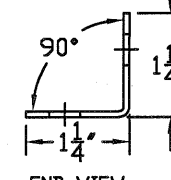
TOP FIXTURE ADDER PIECE



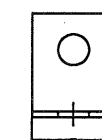
TOP VIEW



ISOMETRIC VIEW

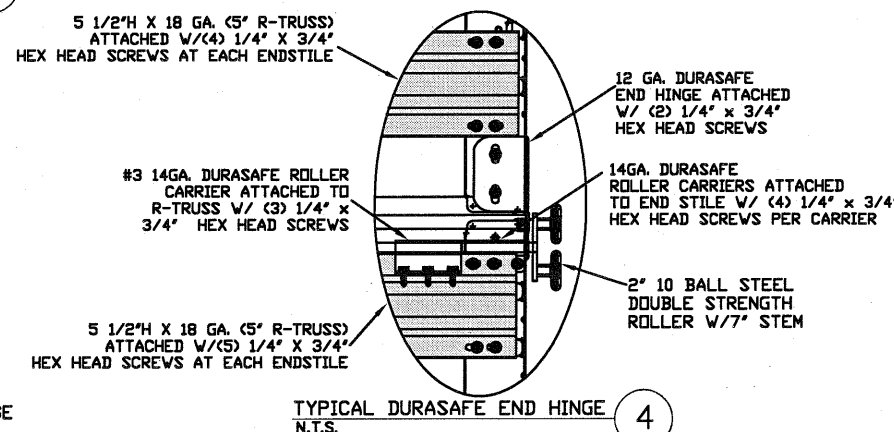


END VIEW



SIDE VIEW

LARGE MISSILE IMPACT RESISTANT

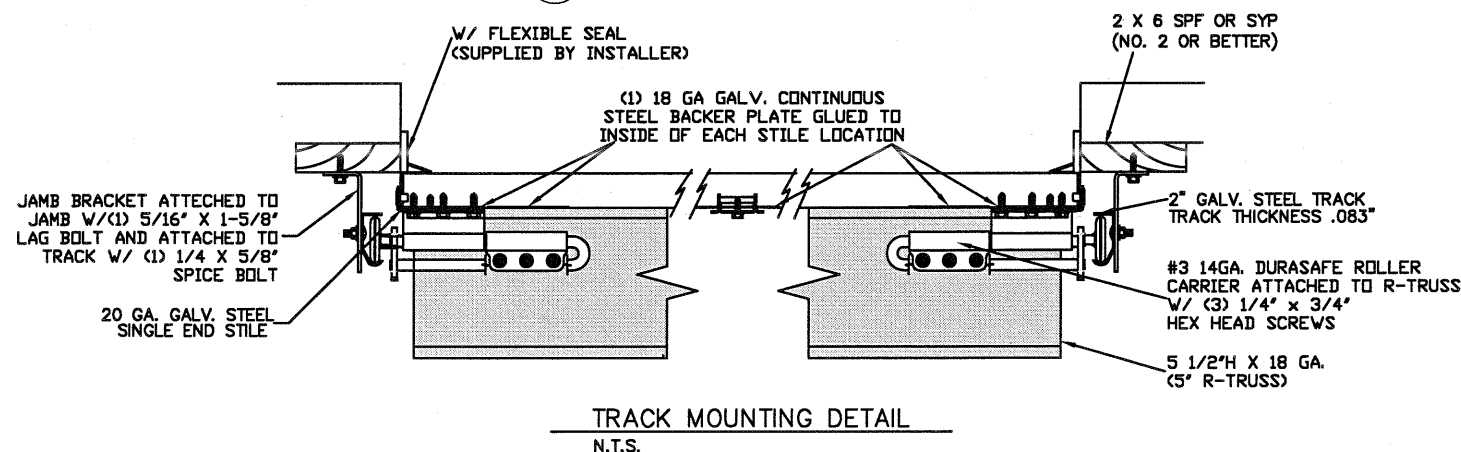
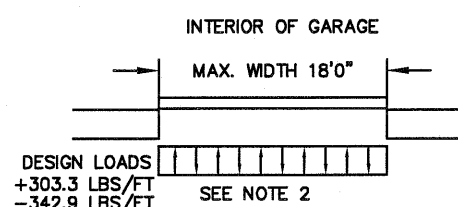
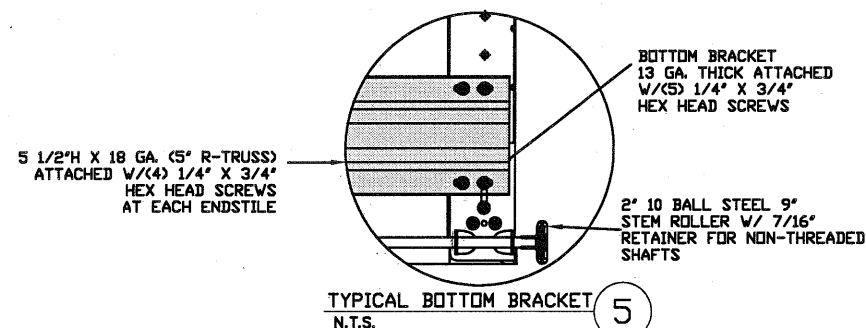
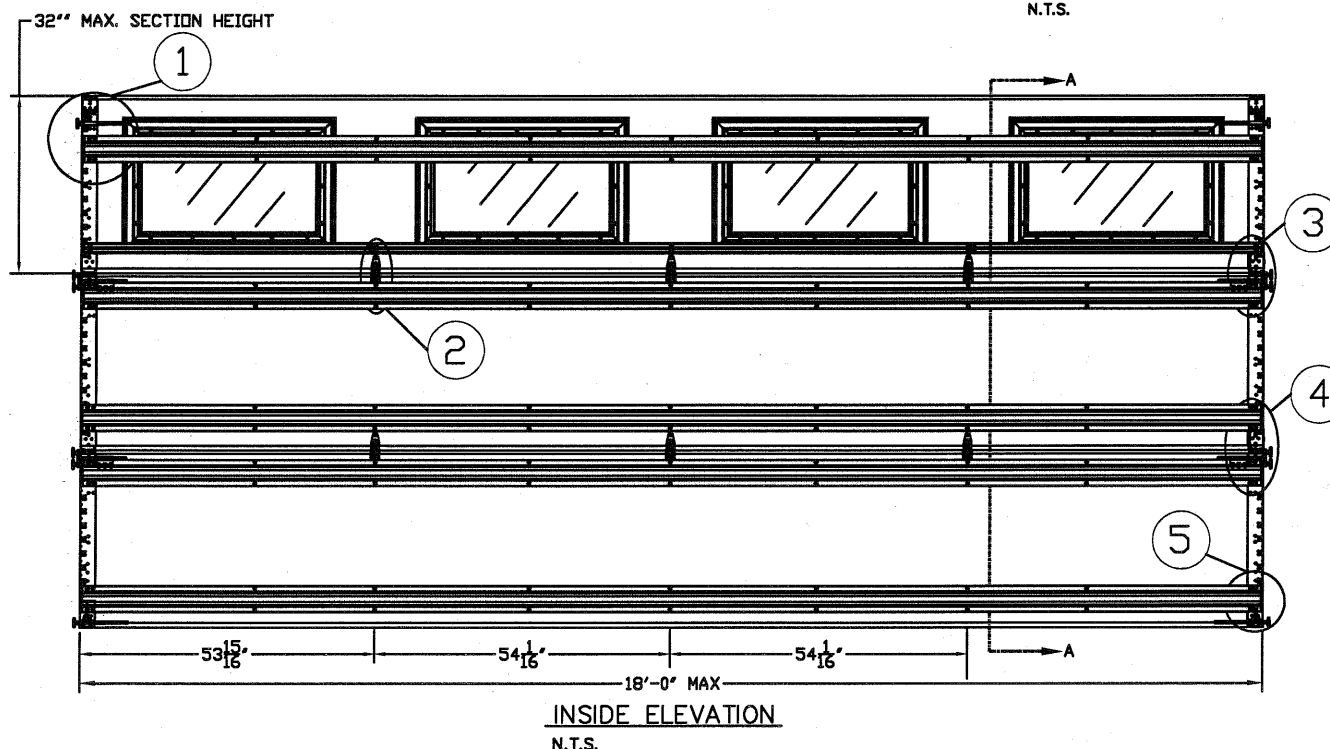


SPECIFICATIONS AND NOTES

- 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 JAMBS RECEIVES MAXIMUM DESIGN LOADS OF: +303.3 LBS/FT & -342.9 LBS/FT
- DOORS AND HARDWARE WILL BE DESIGNED, MANUFACTURED AND INSTALLED WITH STANDARDS AS SET FORTH BY DASMA.
- DOOR SECTIONS SHALL BE 25 GA. EXTERIOR MIN. (.019"), AND 27 GA. INTERIOR MIN. (.014") 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.

THE METHOD OF TESTING WAS IN SUBSTANTIAL CONFORMANCE WITH THE PROCEDURE DESCRIBED IN ASTM E330, E1886, E1996 & F588, DASMA 108 & 115. 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)	194	176	168	160	154
EXPOSURE LEVEL	B	C	C	D	D
MEAN ROOF HEIGHT	30'	15'	25'	15'	25'



REV	DESCRIPTION OF REVISIONS	DATE	BY
A	CLARIFIED DOUBLE ROLLER ATTACHMENT DETAILS IN "TRACK MOUNTING DETAIL", PAGE 1 AND "SECTION A-A", PAGE 2	03/04/19	DRD

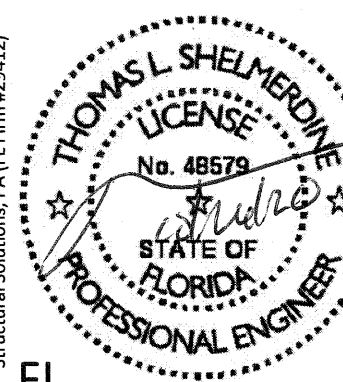
MAX SIZE
18' x 14'

DESIGN LOADS
+33.7 PSF
-38.1 PSF

TEST LOADS
(1.5 x DESIGN LOADS)
+50.6 PSF
-57.2 PSF

LARGE MISSILE
IMPACT
RESISTANCE

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

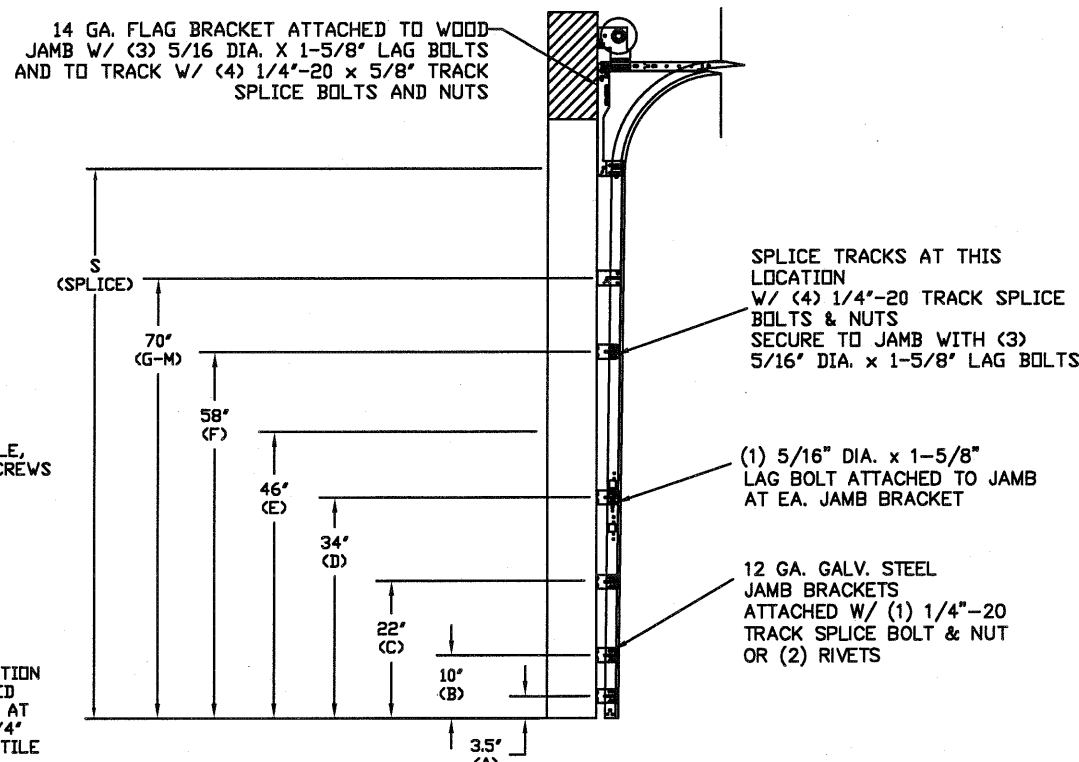


dba Structural Solutions of North Carolina, Inc.
5921-G W. Friendly Ave., Greensboro, NC 27410

Amarr

MODEL #3000 AMARR CLASSICA 3000

SIZE	DRAWN BY	RLR	DATE	4/14/16	DRAWING NUMBER
B	CHECKED BY	RLR	DATE	4/14/16	IRC-3318-150-26-1
ENTREMATICS 165 CARRIAGE COURT WINSTON-SALEM, N.C. 27105					SHEET 1 OF 3

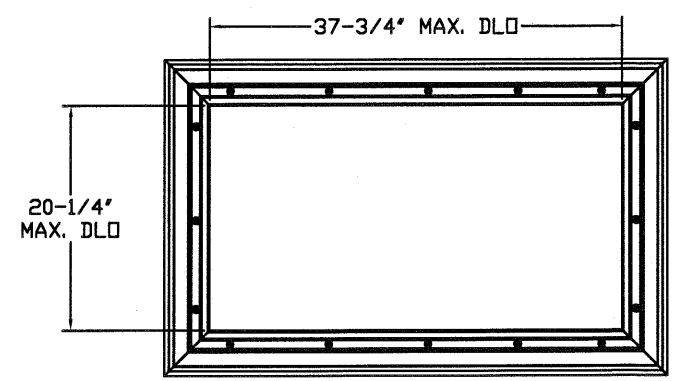


TRACK CONFIGURATION FOR 8' TALL DOORS
N.T.S.
SEE TABLE 1 FOR ADDITIONAL DOOR HEIGHTS AND THEIR TRACK SPACING REQUIREMENTS.

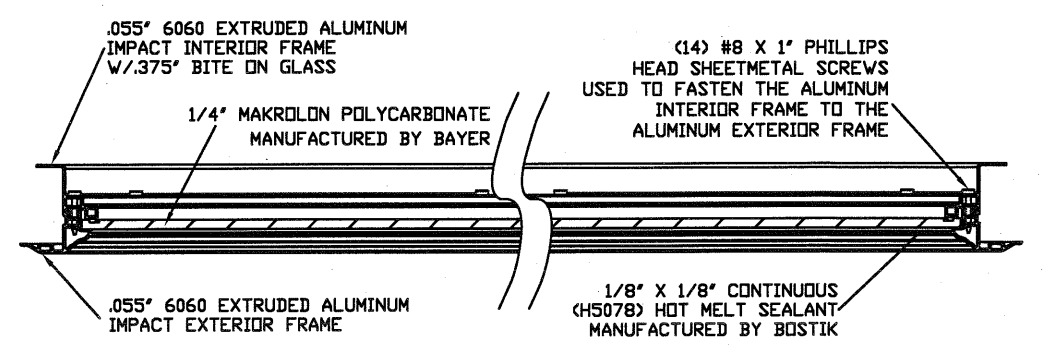
TABLE 1

DOOR HEIGHT	TRACK ATTACHMENT													SPLICE
	A	B	C	D	E	F	G	H	I	J	K	L	M	
6' 6"	3.5"	10"	22"	34"	46"	58"								70"
7'	3.5"	10"	22"	34"	46"	58"								76"
7' 6"	3.5"	10"	22"	34"	46"	58"	70"							82"
8'	3.5"	10"	22"	34"	46"	58"	70"							88"
8' 6"	3.5"	10"	22"	34"	46"	58"	70"	82"						94"
9'	3.5"	10"	22"	34"	46"	58"	70"	82"						100"
9' 6"	3.5"	10"	22"	34"	46"	58"	70"	82"	94"					106"
10'	3.5"	10"	22"	34"	46"	58"	70"	82"	94"					112"
10' 6"	3.5"	10"	22"	34"	46"	58"	70"	82"	94"	106"				118"
11'	3.5"	10"	22"	34"	46"	58"	70"	82"	94"	106"				124"
11' 6"	3.5"	10"	22"	34"	46"	58"	70"	82"	94"	106"	118"			130"
12'	3.5"	10"	22"	34"	46"	58"	70"	82"	94"	106"	118"			136"
12' 6"	3.5"	10"	22"	34"	46"	58"	70"	82"	94"	106"	118"	130"		142"
13'	3.5"	10"	22"	34"	46"	58"	70"	82"	94"	106"	118"	130"		148"
13' 6"	3.5"	10"	22"	34"	46"	58"	70"	82"	94"	106"	118"	130"	142"	154"
14'	3.5"	10"	22"	34"	46"	58"	70"	82"	94"	106"	118"	130"	142"	160"

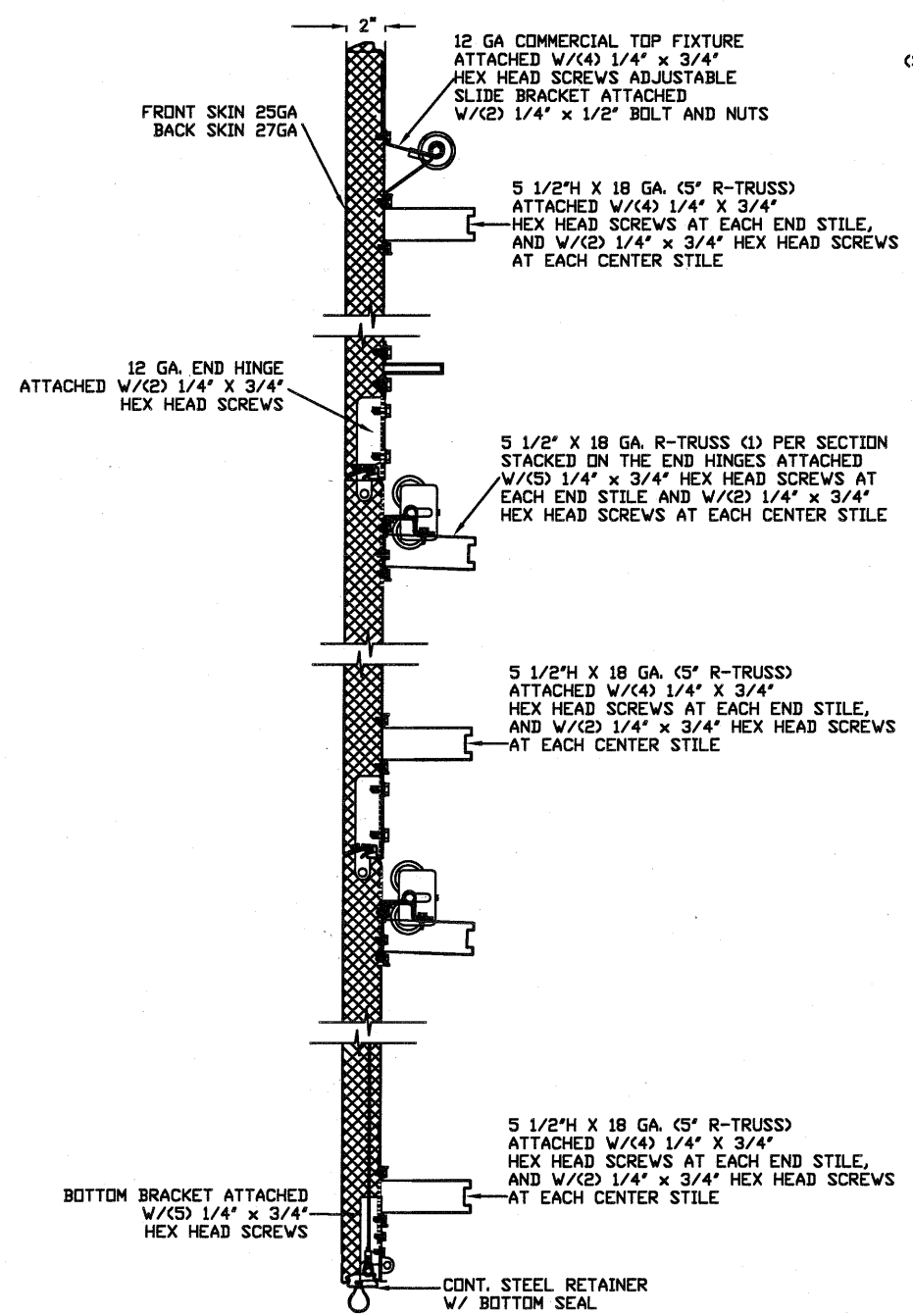
ALL TRACK ATTACHMENT SPACING +/- 1/2" ALLOWED WITH SYP NO.2 OR BETTER ONLY



GLAZING FASTENER DETAIL
N.T.S.



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



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

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MAX SIZE
18' x 14'

DESIGN LOADS
+33.7 PSF
-38.1 PSF

TEST LOADS
(1.5 x DESIGN LOADS)
+50.6 PSF
-57.2 PSF

LARGE MISSILE
IMPACT
RESISTANCE

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

FL

Thomas L. Shelmerdine
LICENSE
No. 48579
STATE OF FLORIDA
PROFESSIONAL ENGINEER

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

MODEL #3000 AMARR CLASSICA 3000

SIZE B	DRAWN BY RLR	DATE 4/14/16	DRAWING NUMBER IRC-3318-150-26-1
ENTREMATIC 165 CARRIAGE COURT WINSTON-SALEM, N.C. 27105			SHEET 2 OF 3

TABLE 1

Section	Center Stile Locations (Measured from Left Edge)			Max Design Loads Allowed	
Width (ft)	1st (in)	3rd (in)	5th (in)	Positive (PSF)	Negative (PSF)
16' 2	48.75	97.00	145.25	37.3	42.2
16' 4	49.08	98.00	146.92	37.0	41.8
16' 6	49.42	99.00	148.59	36.6	41.4
16' 8	49.92	100.00	150.09	36.2	40.9
16' 10	50.15	101.00	151.59	35.9	40.5
17' 0	50.92	102.00	153.09	35.5	40.1
17' 2	51.42	103.00	154.59	35.2	39.7
17' 4	51.92	104.00	156.09	34.8	39.4
17' 6	52.42	105.00	157.59	34.5	39.0
17' 8	52.92	106.00	159.09	34.2	38.6
17' 10	53.42	107.00	160.59	33.8	38.3
18' 0	53.92	108.00	162.09	33.7	38.1

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 16" 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 12" 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 16" 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

WOOD STRUCTURE

CONCRETE STRUCTURE

HOLLOW BLOCK STRUCTURE

GROUTED BLOCK STRUCTURE

EMBEDMENT

1/2" MIN

2-3/4" MIN

1-1/2" MIN

3" MIN

4"

2X6 JAMB TYP.

AVAILABLE TRACK CONFIGURATIONS
N.T.S.

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SHEET 3 OF 3