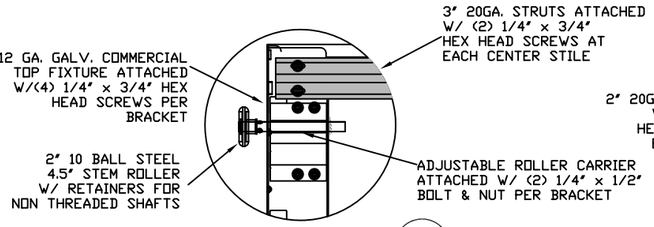
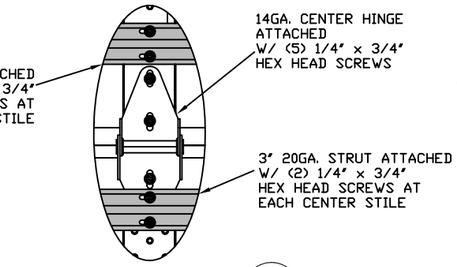
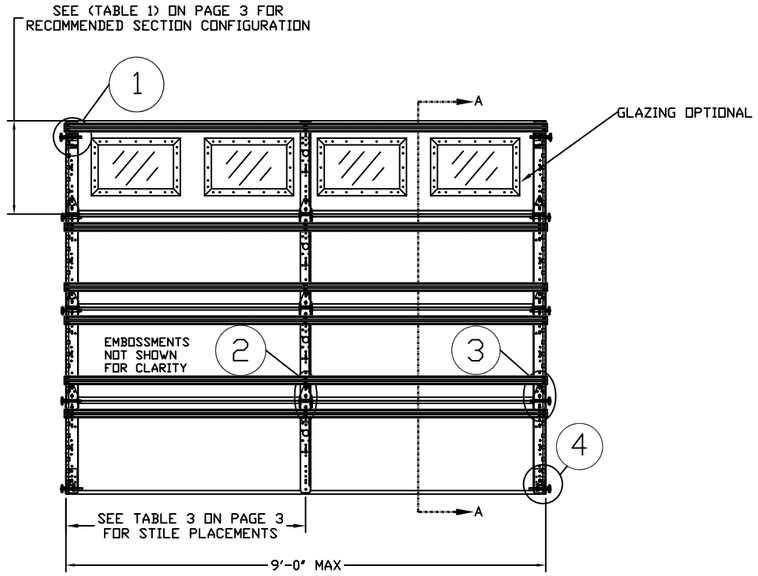


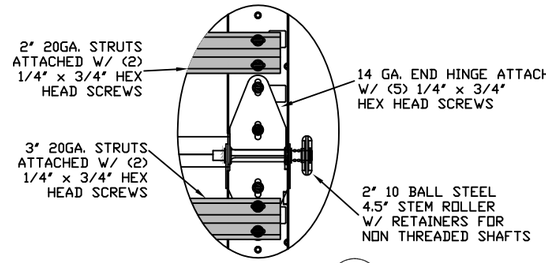
TYPICAL TOP FIXTURES 1
N.T.S.



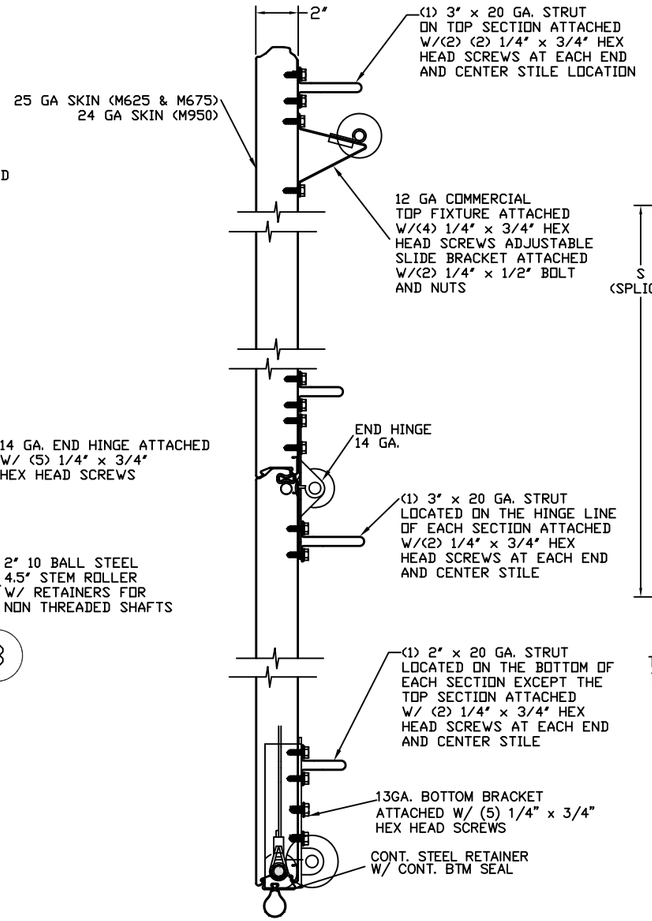
TYPICAL CENTER HINGE 2
N.T.S.



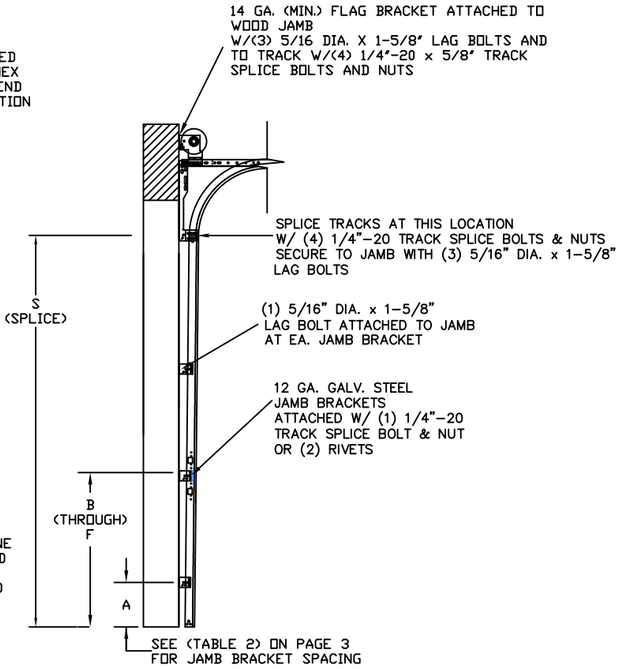
INSIDE ELEVATION
N.T.S.



TYPICAL END HINGE 3
N.T.S.

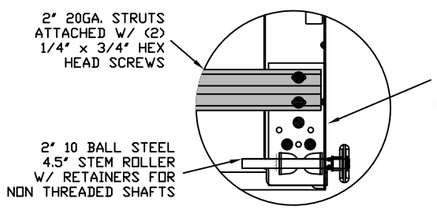


SECTION A–A (SIDE VIEW)
N.T.S.

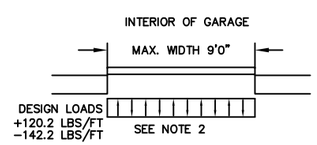


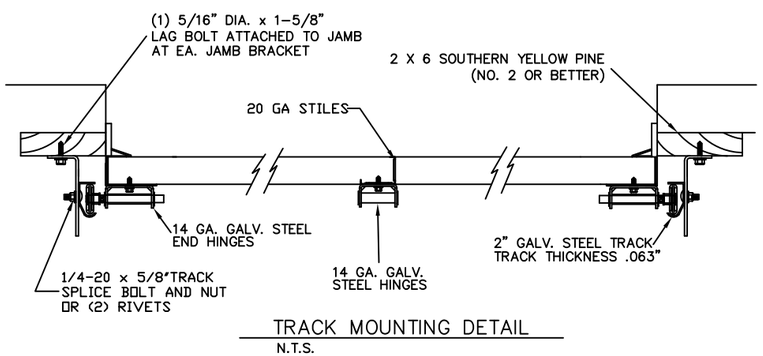
TRACK CONFIGURATION FOR 6'6" UP TO 14' TALL DOORS
N.T.S.

LARGE MISSILE IMPACT RESISTANT



TYPICAL BOTTOM BRACKET 4
N.T.S.





TRACK MOUNTING DETAIL
N.T.S.

THE METHOD OF TESTING WAS IN SUBSTANTIAL CONFORMANCE WITH THE PROCEDURE DESCRIBED IN DASMA 108 & 115, AND ASTM E330, E1886, E1996, & F588. 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)	167	152	144	138	132
EXPOSURE LEVEL	B	C	C	D	D
MEAN ROOF HEIGHT	30'	15'	25'	15'	25'

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 JAMBS RECEIVES MAXIMUM DESIGN LOADS OF: +120.2 LBS/FT & –142.2 LBS/FT
3. DOORS AND HARDWARE WILL BE DESIGNED, MANUFACTURED AND INSTALLED WITH STANDARDS AS SET FORTH BY DASMA.
4. DOOR SECTIONS SHALL BE 25 GA. MIN. (.019") ROLLED FORMED LIGHT COMMERCIAL QUALITY
5. SUPPORTING STRUCTURAL ELEMENTS SHALL BE DESIGNED BY A REGISTRED PROFESSIONAL ENGINEER FOR WIND LOADS INDICATED ON THIS DRAWING IN ADDITION TO OTHER LOADINGS.
6. REFER TO TABLES ON PAGE 3 FOR ADDITIONAL DOOR WIDTHS AND THEIR DESIGN PRESSURES
7. REFER TO TABLE 4 ON PAGE 3 FOR STRUT SCHEDULE
8. DOOR IS MANUFACTURED AND TESTED IN ACCORDANCE WITH THE 2018 IRC/IBC

REV	DESCRIPTION OF REVISIONS	DATE	BY
A	ADDED HERITAGE MODEL/DRAWING UPDATES	3/1/22	RLR

MAX SIZE 9' x 14'
DESIGN LOADS +26.7 PSF –31.6 PSF
TEST LOADS +40.1 PSF –47.4 PSF
LARGE MISSILE IMPACT RESISTANCE

STATE OF TEXAS THOMAS L. SHELMERDINE 85829 LICENSED PROFESSIONAL ENGINEER

See Digital Signature

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Thomas L Shelmerdine

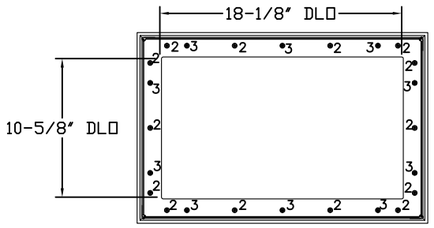
Digitally signed by Thomas L Shelmerdine
DN: c=US, o=North Carolina, dnQualifier=A01410D0000017E7DCF96 5F0002DE45, cn=Thomas L Shelmerdine
Date: 2022.03.11 08:43:38 -05'00'

Thomas L. Shelmerdine, PE (TX PE #85829)
Structural Solutions, PA (TX Firm #F-004063)
5921-G W. Friendly Ave., Greensboro, NC 27410 TX

Amarr

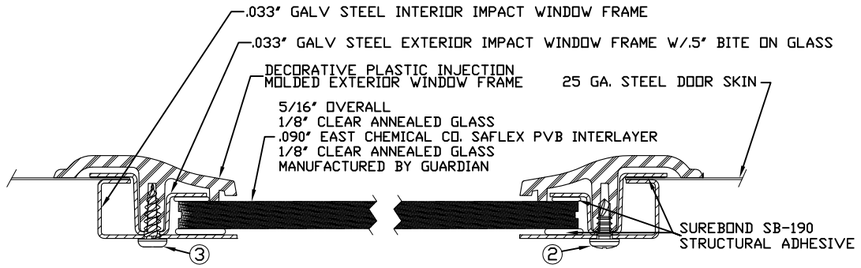
MODEL #625 AMARR LINCOLN 1000, 2000
MODEL #675 AMARR HILLCREST 1000, 2000
MODEL #950 AMARR HERITAGE 1000, 2000

SIZE	DRAWN BY RLR	DATE 2/12/20	DRAWING NUMBER
B	CHECKED BY RLR	DATE 2/12/20	IRC-6209-130-15-I
AMARR COMPANY 165 CARRIAGE COURT WINSTON-SALEM, N.C. 27105			SHEET 1 OF 3



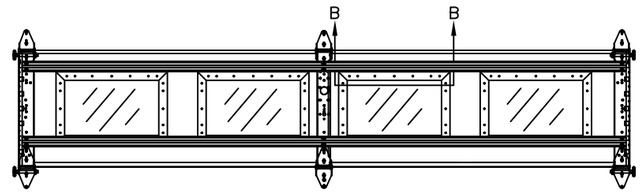
IMPACT GLAZING FASTENER DETAIL
N.T.S.

GLAZING MEETS ASTM E1300-04

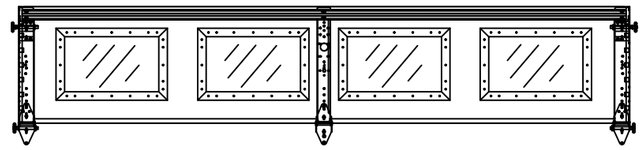


2. 3/16" X 1/2" SCREW - USED TO FASTEN THE STEEL EXTERIOR IMPACT WINDOW FRAME TO THE STEEL INTERIOR IMPACT WINDOW FRAME.
3. 11/64" X 1/2" SCREW - USED TO FASTEN DECORATIVE PLASTIC MOLDED WINDOW FRAME TO THE ASSEMBLY

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



OPTIONAL INTERMEDIATE SECTION IMPACT GLAZED LAYOUT
N.T.S.



OPTIONAL TOP SECTION IMPACT GLAZED LAYOUT
N.T.S.

WOOD JAMB ATTACHMENT TO STRUCTURE (OPTIONAL)

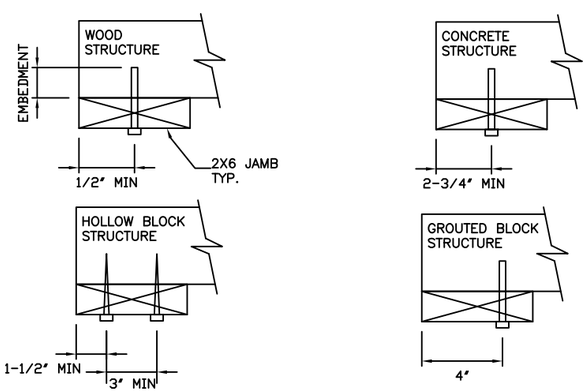
2 X 6 VERTICAL JAMB ATTACHMENT TO WOOD FRAME STRUCTURE
5/16" X 3" LAG SCREWS STARTING 6" FROM ENDS
THEN 24" O.C. (1 1/2" EMBEDMENT)

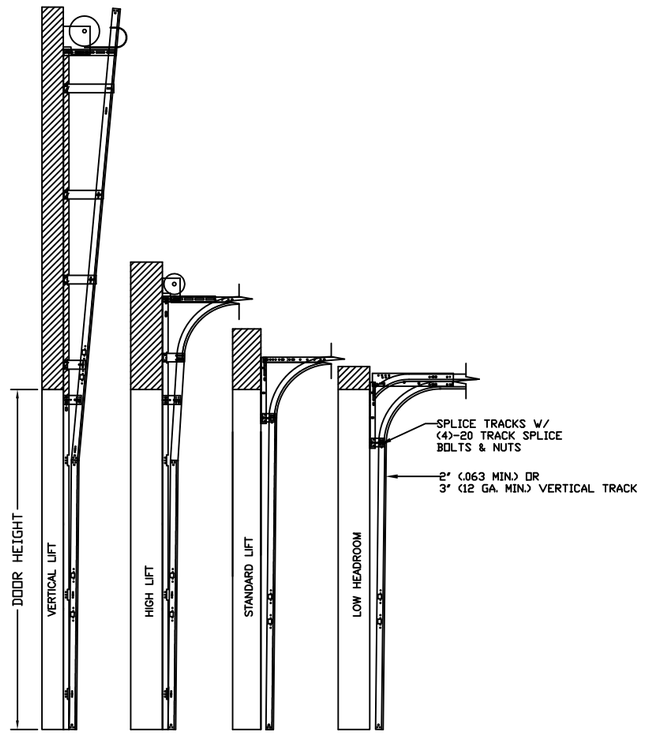
2 X 6 VERTICAL JAMB ATTACHMENT TO 2,000 PSI CONCRETE
HILTI KWIK BOLT 3/8" X 4" STARTING 6" FROM ENDS
THEN 24" O.C. (2 1/2" EMBEDMENT)
HILTI SLEEVE ANCHOR 3/8" X 2-3/4" STARTING 6" FROM ENDS
THEN 24" O.C. (1 1/4" EMBEDMENT)
ITW/RAMSET REDHEAD (TRU-BOLT) 3/8" X 4" STARTING 6" FROM ENDS
THEN 24" O.C. (2 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





AVAILABLE TRACK CONFIGURATIONS
N.T.S.

REV	DESCRIPTION OF REVISIONS	DATE	BY
A	ADDED HERITAGE MODEL/DRAWING UPDATES	3/1/22	RLR

MAX SIZE
9' x 14'

DESIGN LOADS
+26.7 PSF
-31.6 PSF

TEST LOADS
+40.1 PSF
-47.4 PSF

LARGE MISSILE IMPACT RESISTANCE

STATE OF TEXAS
See Digital Signature
THOMAS L. SHELMERDINE
85829
LICENSED
PROFESSIONAL ENGINEER

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Structural Solutions, PA (TX Firm #F-004063)
5921-G W. Friendly Ave., Greensboro, NC 27410

TX

Amarr

MODEL #625 AMARR LINCOLN 1000, 2000
MODEL #675 AMARR HILLCREST 1000, 2000
MODEL #950 AMARR HERITAGE 1000, 2000

SIZE	DRAWN BY	RLR	DATE	2/12/20	DRAWING NUMBER
B	CHECKED BY	RLR	DATE	2/12/20	IRC-6209-130-15-I
AMARR COMPANY 165 CARRIAGE COURT WINSTON-SALEM, N.C. 27105					SHEET 2 OF 3

TABLE 1

DOOR HEIGHT	SECTION HEIGHTS							
	Btm	#2	#3	#4	#5	#6	#7	#8
14' 0"	21"	21"	21"	21"	21"	21"	21"	21"
13' 6"	21"	21"	21"	21"	21"	18"	18"	21"
13' 0"	21"	21"	21"	18"	18"	18"	18"	21"
12' 6"	21"	18"	18"	18"	18"	18"	18"	21"
12' 0"	21"	21"	21"	21"	21"	18"	21"	
11' 6"	21"	21"	21"	18"	18"	18"	21"	
11' 0"	21"	18"	18"	18"	18"	18"	21"	
10' 6"	21"	21"	21"	21"	21"	21"		
10' 0"	21"	21"	21"	18"	18"	21"		
9'6"	21"	18"	18"	18"	18"	21"		
9' 0"	18"	18"	18"	18"	18"	18"		
8' 6"	21"	21"	21"	18"	21"			
8' 0"	21"	18"	18"	18"	21"			
7' 6"	18"	18"	18"	18"	18"			
7' 0"	21"	21"	21"	21"				
6' 6"	21"	18"	18"	21"				

TABLE 2

DOOR HEIGHT	TRACK ATTACHMENT								
	A	B	C	D	E	F	G	H	I
6' 6"	3.5"	10"	21"	39"	57"				
7'	3.5"	10"	21"	42"	63"				
7' 6"	3.5"	10"	18"	36"	54"	72"			
8'	3.5"	10"	21"	39"	57"	75"			
8' 6"	3.5"	10"	21"	42"	63"	81"			
9'	3.5"	10"	18"	36"	54"	72"	90"		
9' 6"	3.5"	10"	21"	39"	57"	75"	93"		
10'	3.5"	10"	21"	42"	63"	81"	99"		
10' 6"	3.5"	10"	21"	42"	63"	84"	105"		
11'	3.5"	10"	21"	39"	57"	75"	93"	111"	
11' 6"	3.5"	10"	21"	42"	63"	81"	99"	117"	
12'	3.5"	10"	21"	42"	63"	84"	105"	123"	
12'6"	3.5"	10"	21"	39"	57"	75"	93"	111"	129"
13'	3.5"	10"	21"	42"	63"	81"	99"	117"	135"
13' 6"	3.5"	10"	21"	42"	63"	84"	105"	123"	141"
14'	3.5"	10"	21"	42"	63"	84"	105"	126"	147"

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

TABLE 3

Section Width (ft)	Panel Type	Center Stile Location (Measured from Left Edge)
8' 0	Short, Bead Board	48.000
8' 0	Long	48.000
8' 2	Short, Bead Board	49.000
8' 2	Long	49.000
8' 4	Short, Bead Board	50.000
8' 4	Long	50.000
8' 6	Short, Bead Board	51.000
8' 6	Long	51.000
8' 8	Short, Bead Board	52.000
8' 8	Long	52.000
8' 10	Short, Bead Board	53.000
8' 10	Long	53.000
9' 0	Short, Bead Board	54.000
9' 0	Long	54.000

TABLE 4

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

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AMARR COMPANY 165 CARRIAGE COURT WINSTON-SALEM, N.C. 27105			SHEET 3 OF 3