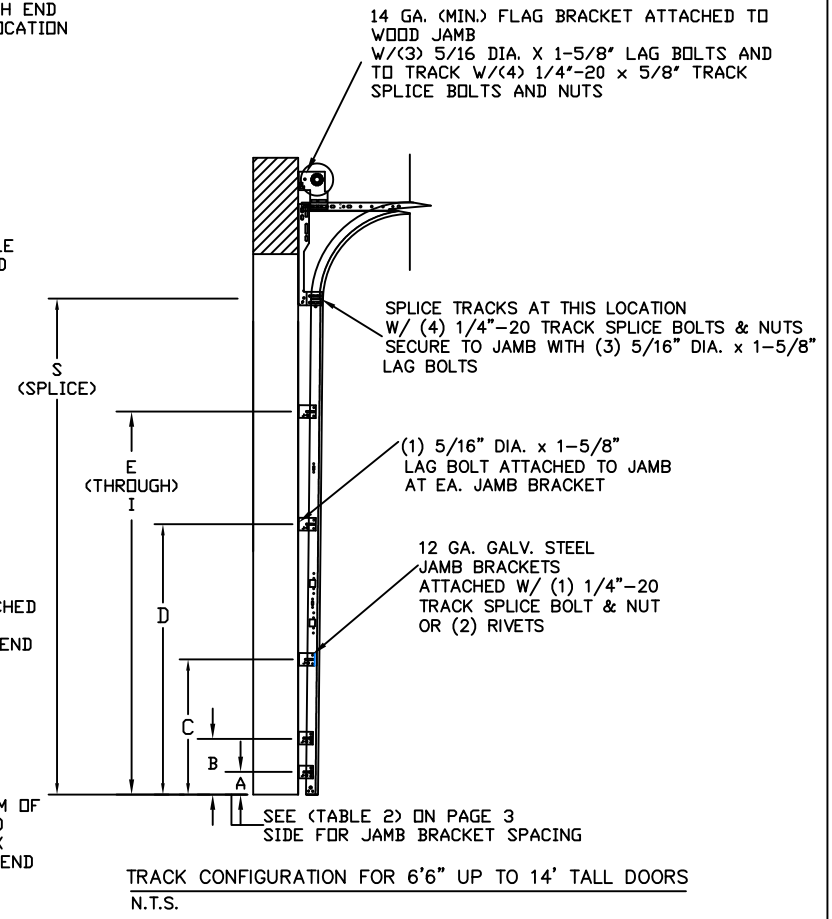
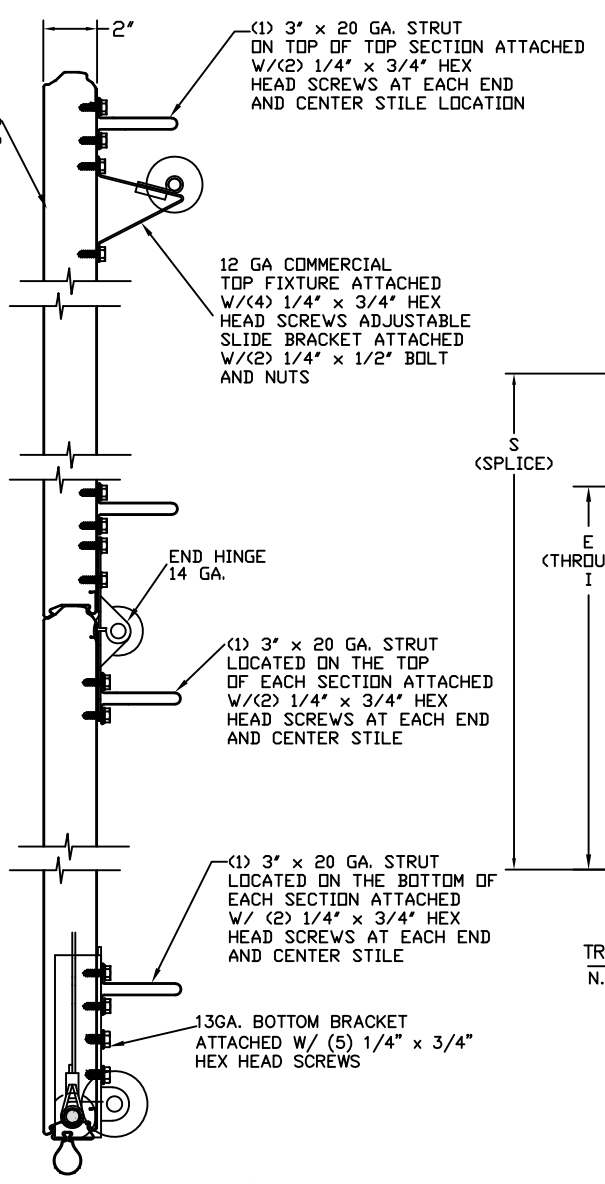
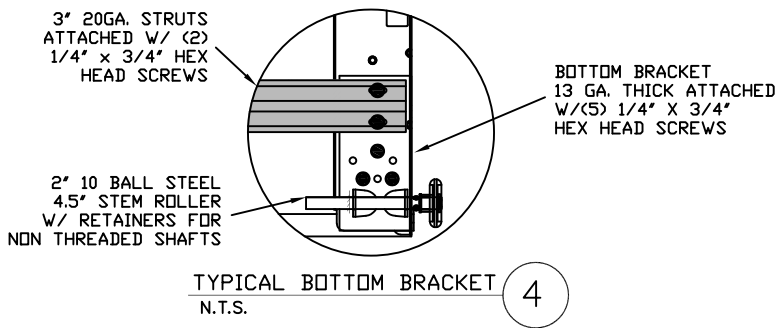
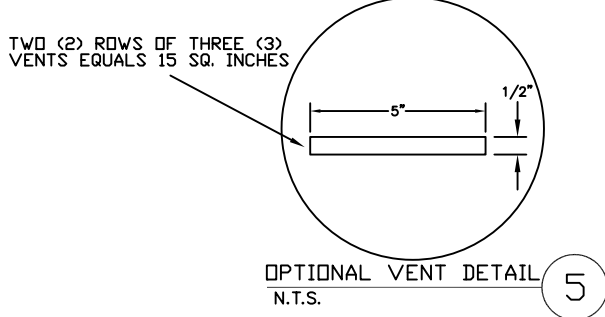
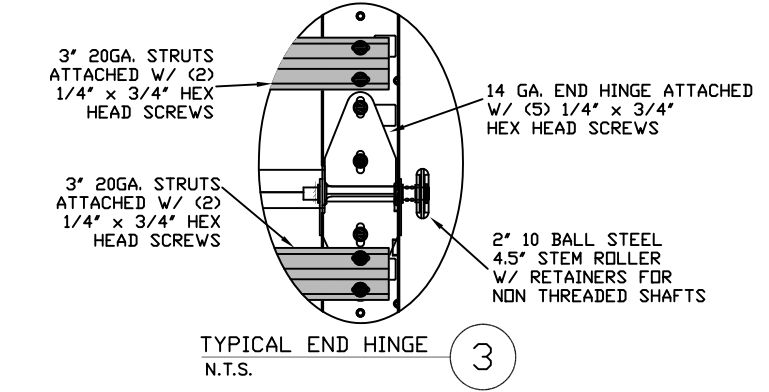
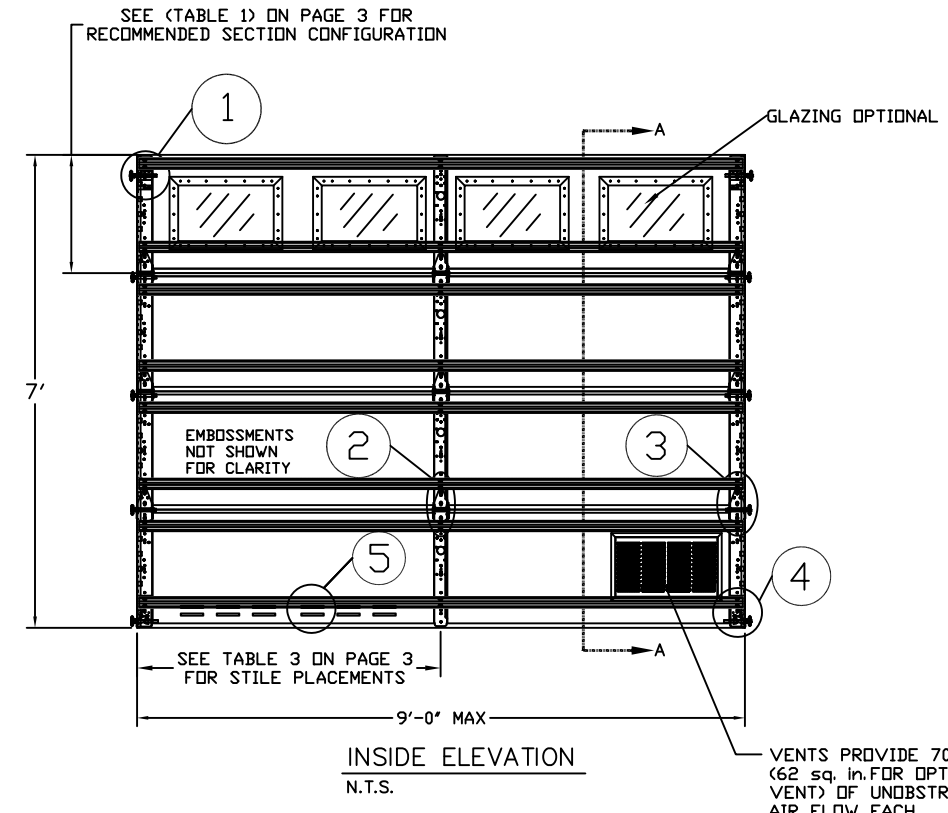
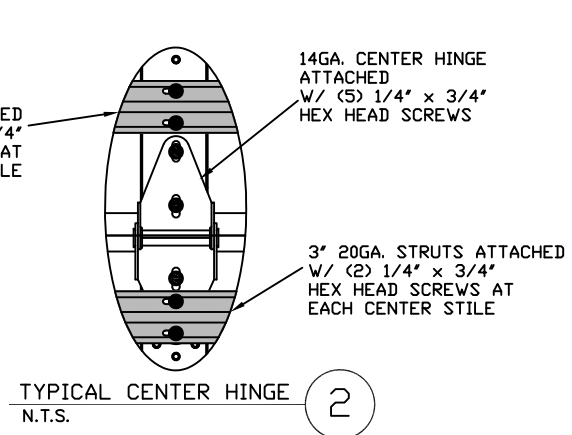
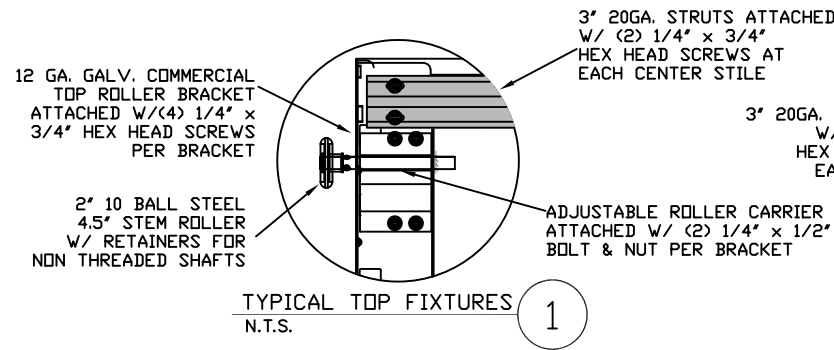
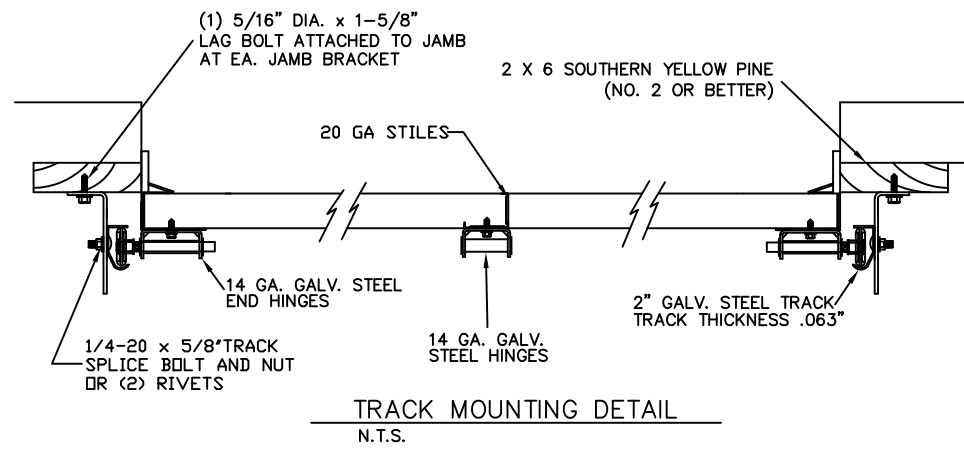


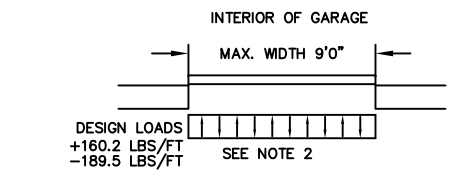


LARGE MISSILE IMPACT RESISTANT



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 7-22 WITH THE FOLLOWING PARAMETERS (5 FEET OF DOOR WIDTH IN THE END ZONE, ROOF AT ANY SLOPE):

WIND SPEED (MPH)	194	176	167	160	153
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 JAMBS RECEIVES MAXIMUM DESIGN LOADS OF: +160.2 LBS/FT & -189.5 LBS/FT
 - DOORS AND HARDWARE WILL BE DESIGNED, MANUFACTURED AND INSTALLED WITH STANDARDS AS SET FORTH BY DASMA.
 - DOOR SECTIONS SHALL BE 25 GA. MIN. (.019\") ROLLED FORMED LIGHT COMMERCIAL QUALITY.
 - DOORS UP TO 14'0\"
 - SUPPORTING STRUCTURAL ELEMENTS SHALL BE DESIGNED BY A REGISTERED PROFESSIONAL ENGINEER FOR WIND LOADS INDICATED ON THIS DRAWING IN ADDITION TO OTHER LOADINGS.
 - REFER TO TABLES ON PAGE 3 FOR ADDITIONAL DOOR WIDTHS AND THEIR DESIGN PRESSURES

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

MAX SIZE
9' x 14'

DESIGN LOADS
+35.6 PSF
-42.1 PSF

TEST LOADS
+53.4 PSF
-63.2 PSF

LARGE MISSILE
IMPACT
RESISTANCE

Thomas L. Shelmerdine
FL

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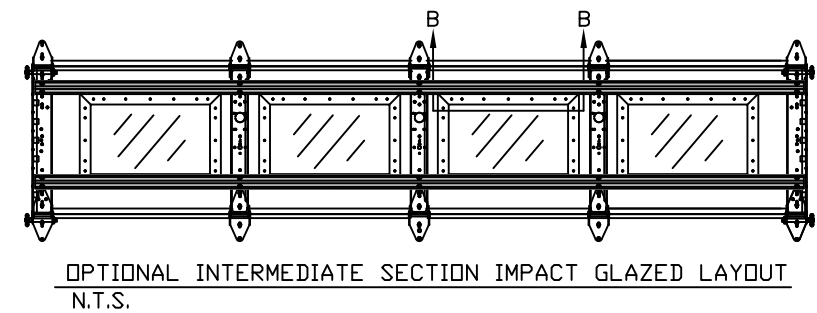
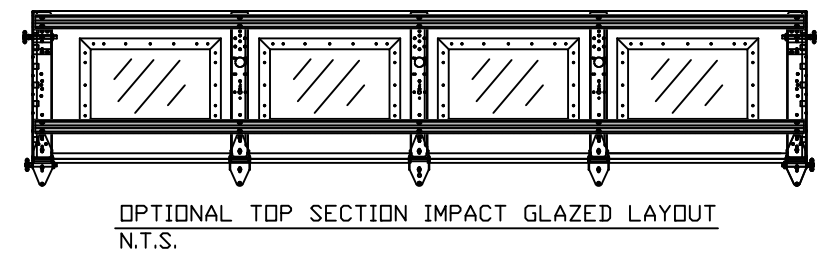
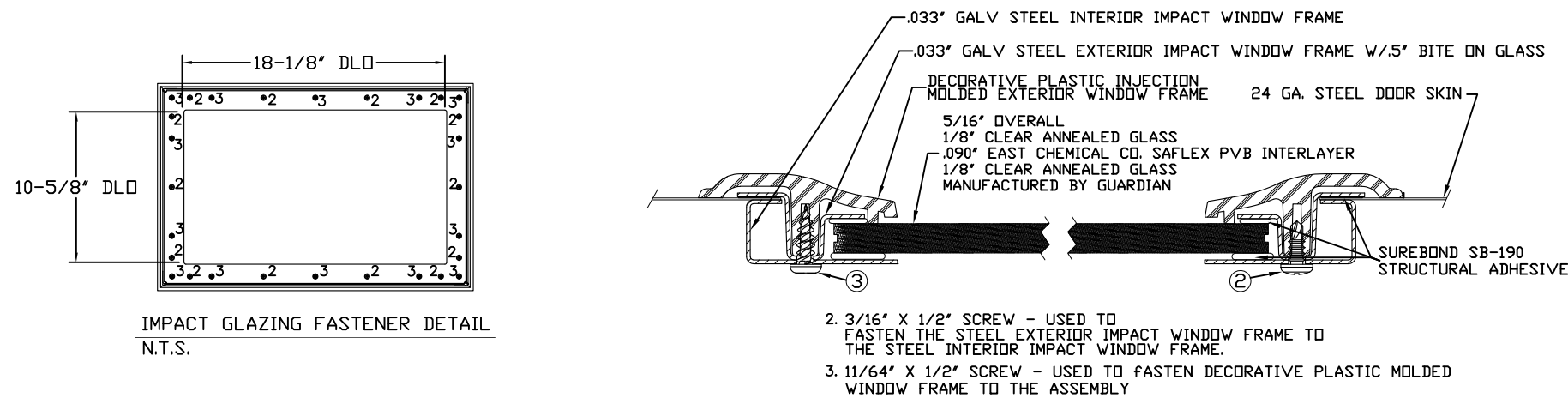
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DN: c=US, o=North Carolina, dnQualifier=A01410D000001856487A7B
100125CE2, cn=Thomas L. Shelmerdine
Date: 2023.09.21 15:33:09 -04'00'

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

SIZE	DRAWN BY	DRC	DATE	DRAWING NUMBER
B	CHECKED BY	RLR	DATE 4/13/20	IRC-6209-150-15-1
			DATE 5/13/20	

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

SHEET 1 OF 3



WOOD JAMB ATTACHMENT TO STRUCTURE (OPTIONAL)

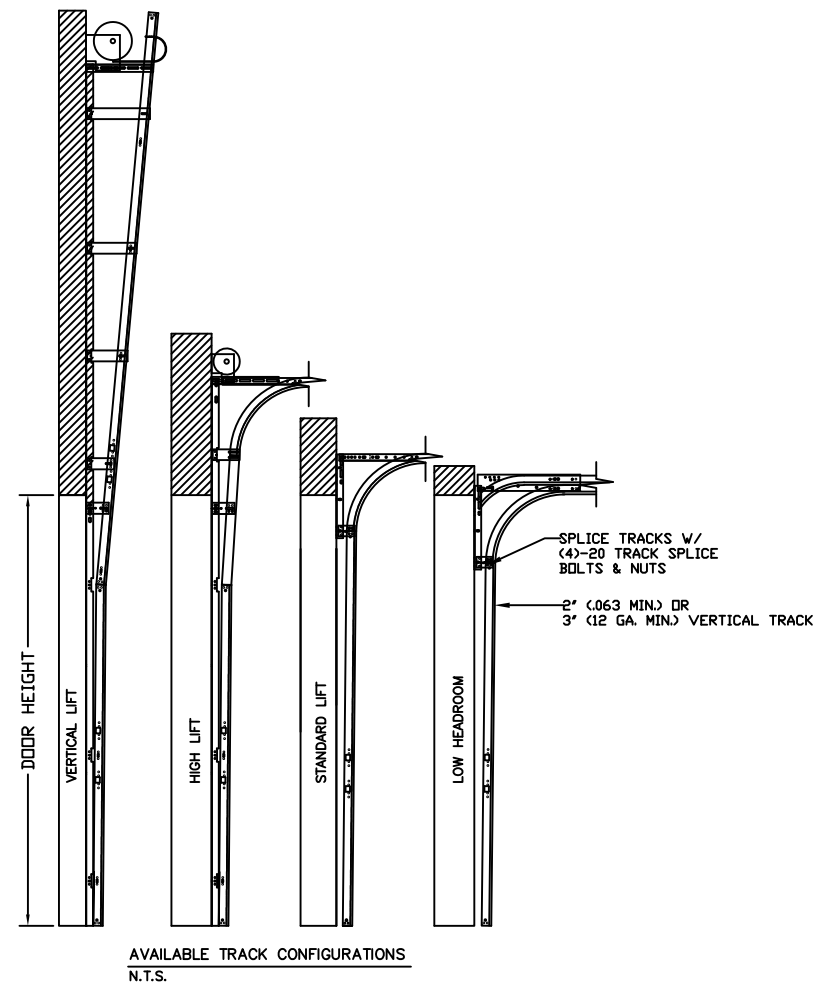
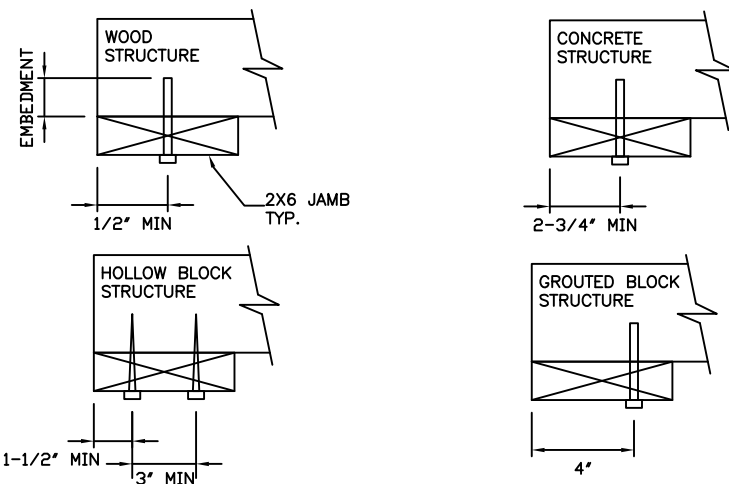
2 X 6 VERTICAL JAMB ATTACHMENT TO WOOD FRAME STRUCTURE
5/16" X 3" LAG SCREWS STARTING 6" FROM ENDS
THEN 24" O.C. (1 1/2" EMBEDMENT)

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 16" 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 16" 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



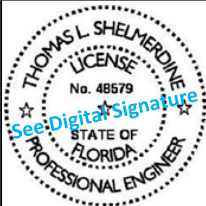
REV	DESCRIPTION OF REVISIONS	DATE	BY
A	ADDED HERITAGE MODEL/DRAWING UPDATES	3/1/22	RLR
MAX SIZE 9' x 14' DESIGN LOADS +35.6 PSF -42.1 PSF TEST LOADS +53.4 PSF -63.2 PSF LARGE MISSILE IMPACT RESISTANCE		 This document has been digitally signed & sealed by Thomas L. Shelmerdine, PE on the date shown. Printed copies of this document are not considered signed & sealed, and the signature must be verified on any electronic copies. 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 FL	
Amarr			
MODEL #625 AMARR LINCOLN 1000, 2000 MODEL #675 AMARR HILLCREST 1000, 2000 MODEL #950 AMARR HERITAGE 1000, 2000			
SIZE	DRAWN BY	DRC	DATE
B	CHECKED BY	RLR	DATE
		DATE	DRAWING NUMBER
		5/13/20	IRC-6209-150-15-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)	Max Design Loads Allowed	
			Positive (PSF)	Negative (PSF)
8' 0	Short, Bead Board	48.000	40.0	47.3
8' 0	Long	48.000	40.0	47.3
8' 2	Short, Bead Board	49.000	39.2	46.3
8' 2	Long	49.000	39.2	46.3
8' 4	Short, Bead Board	50.000	38.4	45.4
8' 4	Long	50.000	38.4	45.4
8' 6	Short, Bead Board	51.000	37.6	44.5
8' 6	Long	51.000	37.6	44.5
8' 8	Short, Bead Board	52.000	36.9	43.7
8' 8	Long	52.000	36.9	43.7
8' 10	Short, Bead Board	53.000	36.2	42.8
8' 10	Long	53.000	36.2	42.8
9' 0	Short, Bead Board	54.000	35.6	42.1
9' 0	Long	54.000	35.6	42.1

TABLE 4

SECTION	STRUT SIZE
8TH	3"
	3"
7TH	3"
	3"
6TH	3"
	3"
5TH	3"
	3"
4TH	3"
	3"
3RD	3"
	3"
2ND	3"
	3"
BOTTOM	3"
	3"

REV	DESCRIPTION OF REVISIONS	DATE	BY
A	ADDED HERITAGE MODEL/DRAWING UPDATES	3/1/22	RLR
MAX SIZE 9' x 14' DESIGN LOADS +35.6 PSF -42.1 PSF TEST LOADS +53.4 PSF -63.2 PSF LARGE MISSILE IMPACT RESISTANCE		THOMAS L. SHELMERDINE LICENSE No. 48579 See Digital Signature STATE OF FLORIDA PROFESSIONAL ENGINEER This document has been digitally signed & sealed by Thomas L. Shelmerdine, PE on the date shown. Printed copies of this document are not considered signed & sealed, and the signature must be verified on any electronic copies. 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 FL	
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MODEL #625 AMARR LINCOLN 1000, 2000 MODEL #675 AMARR HILLCREST 1000, 2000 MODEL #950 AMARR HERITAGE 1000, 2000			
SIZE	DRAWN BY	DRC	DATE
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			5/13/20
AMARR COMPANY 165 CARRIAGE COURT WINSTON-SALEM, N.C. 27105			DRAWING NUMBER IRC-6209-150-15-I SHEET 3 OF 3