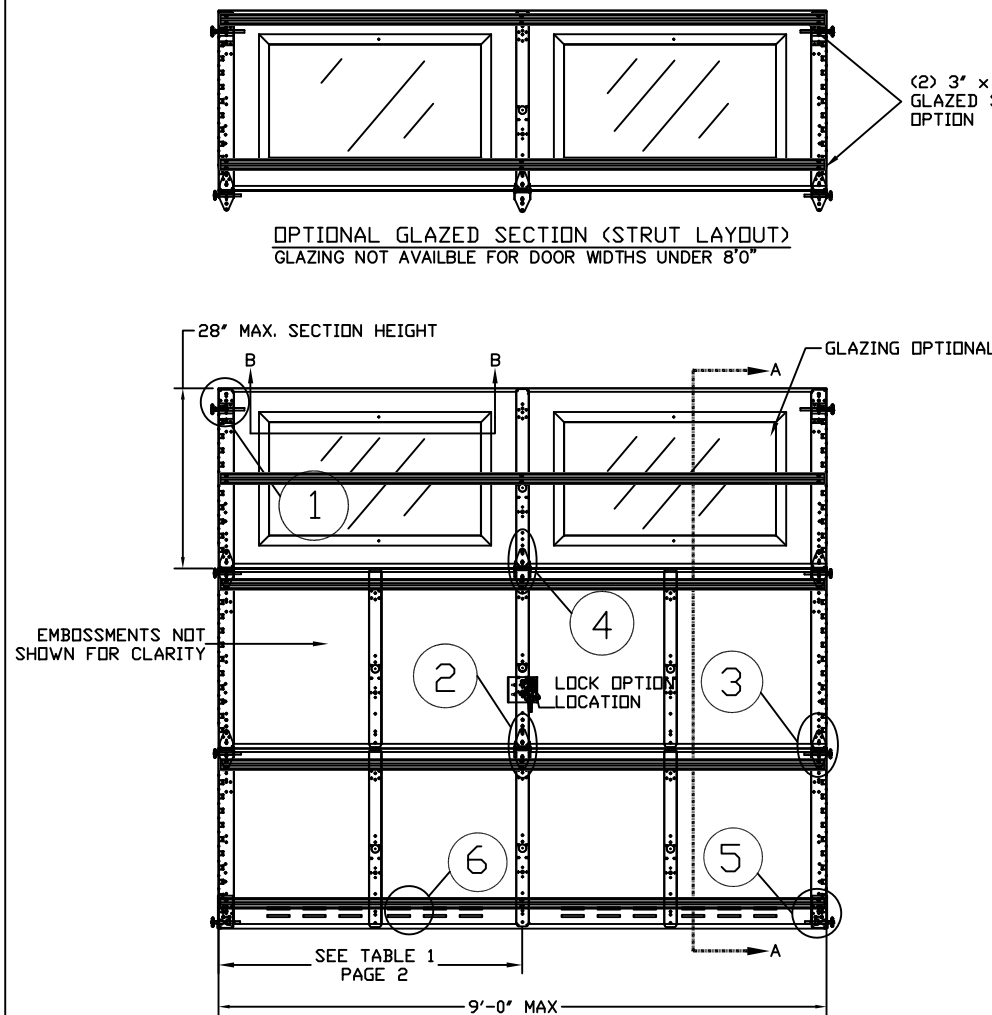
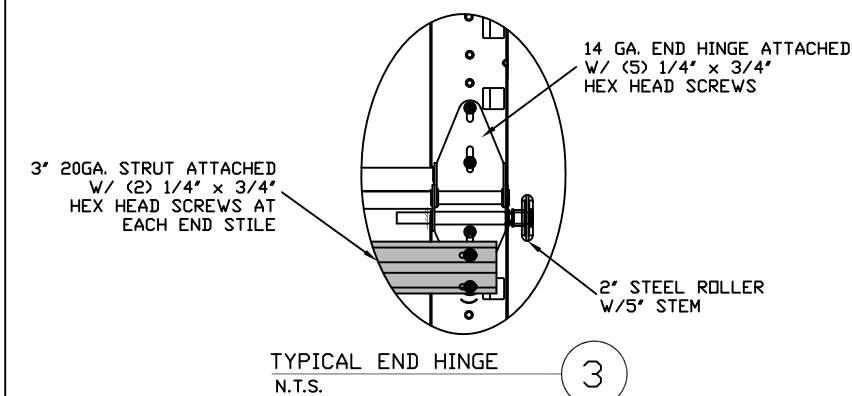
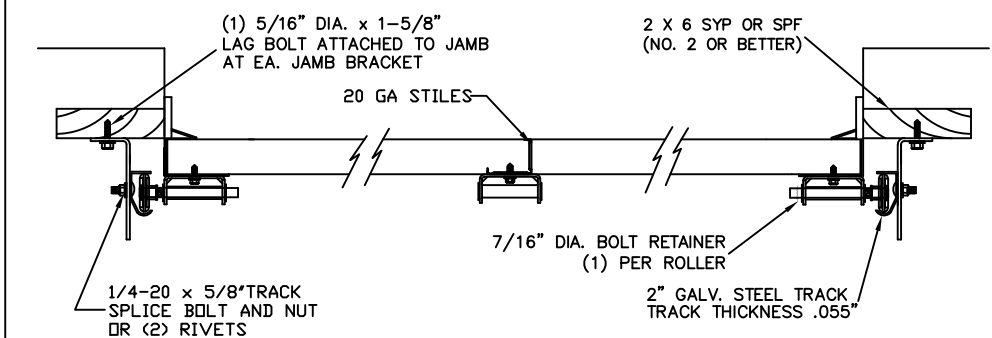




INSIDE ELEVATION
N.T.S.



TYPICAL END HINGE
N.T.S.



TRACK MOUNTING DETAIL
N.T.S.

(2) 3" x 20GA STRUT
GLAZED SECTION
OPTION

12 GA. GALV. COMMERCIAL
TOP ROLLER BRACKET
ATTACHED W/ (3) 1/4" x
3/4" HEX HEAD SCREWS
PER BRACKET

2" STEEL ROLLER
W/ 5" STEM

TYPICAL TOP FIXTURES
N.T.S.

1

3" 20GA. STRUT ATTACHED
W/ (2) 1/4" x 3/4"
HEX HEAD SCREWS AT
EACH END STILE

14GA. CENTER HINGE
ATTACHED
W/ (5) 1/4" x 3/4"
HEX HEAD SCREWS

TYPICAL CENTER HINGE
N.T.S.

2

3" 20GA. STRUT
ATTACHED W/ (2)
1/4" x 3/4" HEX
HEAD SCREWS

BOTTOM BRACKET
13 GA. THICK ATTACHED
W/ (5) 1/4" x 3/4"
HEX HEAD SCREWS

2" STEEL ROLLER
W/ 5" STEM

TYPICAL BOTTOM BRACKET
N.T.S.

5

TWO (2) ROWS OF THREE (3)
VENTS EQUALS 15 SQ. INCHES

OPTIONAL VENT DETAIL
N.T.S.

6

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 7-22 WITH THE FOLLOWING PARAMETERS (5 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'

24 GA (MIN)
EXTERIOR SKIN

(1) 3" x 20GA STRUT
CENTER OF TOP
SECTION

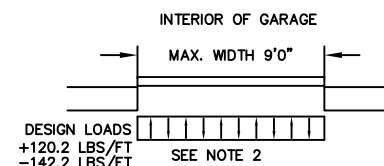
END HINGE
14 GA.

3" x 20GA STRUT
ON TOP OF EACH INT
SECTION

3" x 20GA STRUT
ON TOP OF BOTTOM SECTION

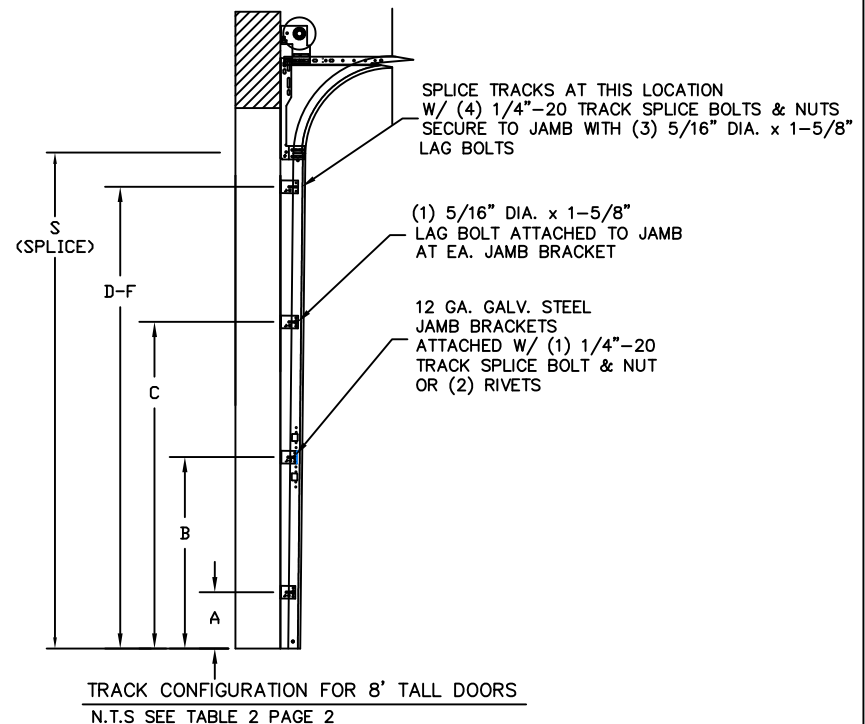
BOTTOM BRACKET
ATTACHED
W/ (5) 1/4" x 3/4"
HEX HEAD SCREWS

3" x 20GA STRUT



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 24 GA. MIN. (.022") 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.



REV	DESCRIPTION OF REVISIONS	DATE	BY

MAX SIZE
9' x 14'

DESIGN LOADS
+26.7 PSF
-31.6 PSF

TEST LOADS
(1.5 x DESIGN LOADS)
+40.1 PSF
-47.4 PSF

THOMAS L. SHELDERDINE
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
Digitally signed by Thomas L. Shelmerdine
DN: c=US, o=North Carolina, dnQualifier=A01410D000001856487A7B100125CE2, cn=Thomas L. Shelmerdine
Date: 2023.09.25 09:30:29 -04'00'

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 #500
AMARR CLASSICA 1000, 2000

SIZE	DRAWN BY	DLJ	DATE	02/04/21	DRAWING NUMBER
B	CHECKED BY	DRC	DATE	02/04/21	IRC-5209-130-15

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

SHEET 1 OF 2

TABLE 1

Section	Center Stile Locations (Measured from Left)			Max Design Loads Allowed	
	1st (in)	2st (in)	3rd (in)	Positive (PSF)	Negative (PSF)
06' 0	*24.6	*47.3		39.8	47.2
07' 6	22.5	*44.9	67.4	31.9	37.7
07' 8	22.6	*45.9	69.3	31.2	36.9
07' 10	23.6	*46.9	70.3	30.5	36.1
08' 0	24.6	*47.9	71.3	29.9	35.4
08' 2	25.1	*48.9	72.8	29.3	34.7
08' 4	25.6	*49.9	74.3	28.7	34.0
08' 6	26.1	*50.9	75.8	28.1	33.3
08' 8	26.6	*51.9	77.3	27.6	32.7
08' 10	27.1	*52.9	78.8	27.1	32.0
09' 0	27.6	*53.9	80.3	26.7	31.6

* HINGED STILES

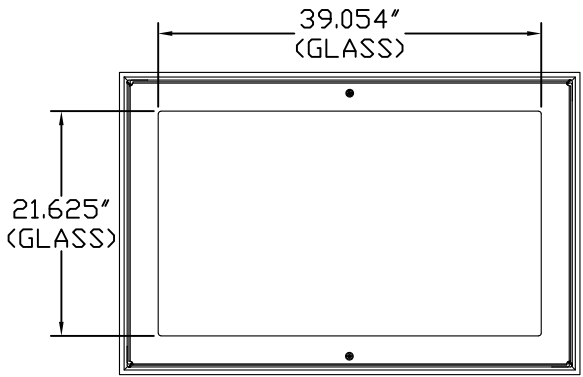
TABLE 2

HEIGHT	TRACK ATTACHMENT								SPLICE
	A	B	C	D	E	F	G	H	
6' 0"	10"	18"	36"	54"					64"
6' 6"	10"	21"	38"	58"					70"
7' 0"	10"	21"	42"	63"					76"
7' 6"	10"	18"	36"	54"	72"				82"
8' 0"	10"	21"	39"	58"	75"				88"
8' 6"	10"	21"	42"	63"	81"				94"
9' 0"	10"	18"	36"	54"	72"	90"			100"
9' 6"	10"	21"	39"	57"	75"	93"			106"
10' 0"	10"	21"	42"	63"	81"	99"			112"
10' 6"	10"	21"	42"	63"	84"	105"			118"
11' 0"	10"	21"	39"	57"	75"	93"	111"		124"
11' 6"	10"	21"	42"	63"	81"	99"	117"		130"
12' 0"	10"	21"	42"	63"	84"	105"	123"		136"
12' 6"	10"	18"	36"	57"	75"	93"	111"	129"	142"
13' 0"	10"	21"	42"	63"	81"	99"	117"	135"	148"
13' 6"	10"	21"	42"	63"	84"	105"	123"	141"	154"
14' 0"	10"	21"	42"	63"	84"	105"	126"	147"	160"

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

TABLE 3

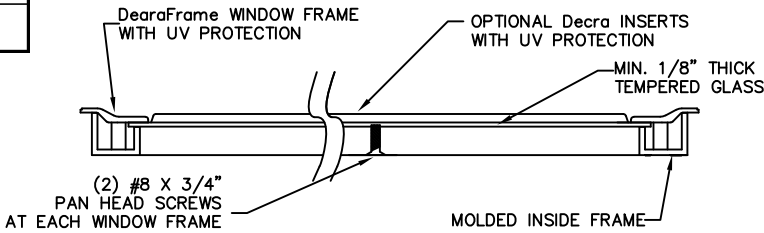
SECTION	STRUT SIZE
TOP	3"
5TH	3"
4TH	3"
3RD	3"
2ND	3"
BOTTOM	3"



GLAZING FASTENER DETAIL
N.T.S.

GLAZING OPTION CROSS SECTION

GLAZING NOT AVAILABLE IN WIND-BORNE DEBRIS REGION
GLAZING MEETS ASTM E 1300-04



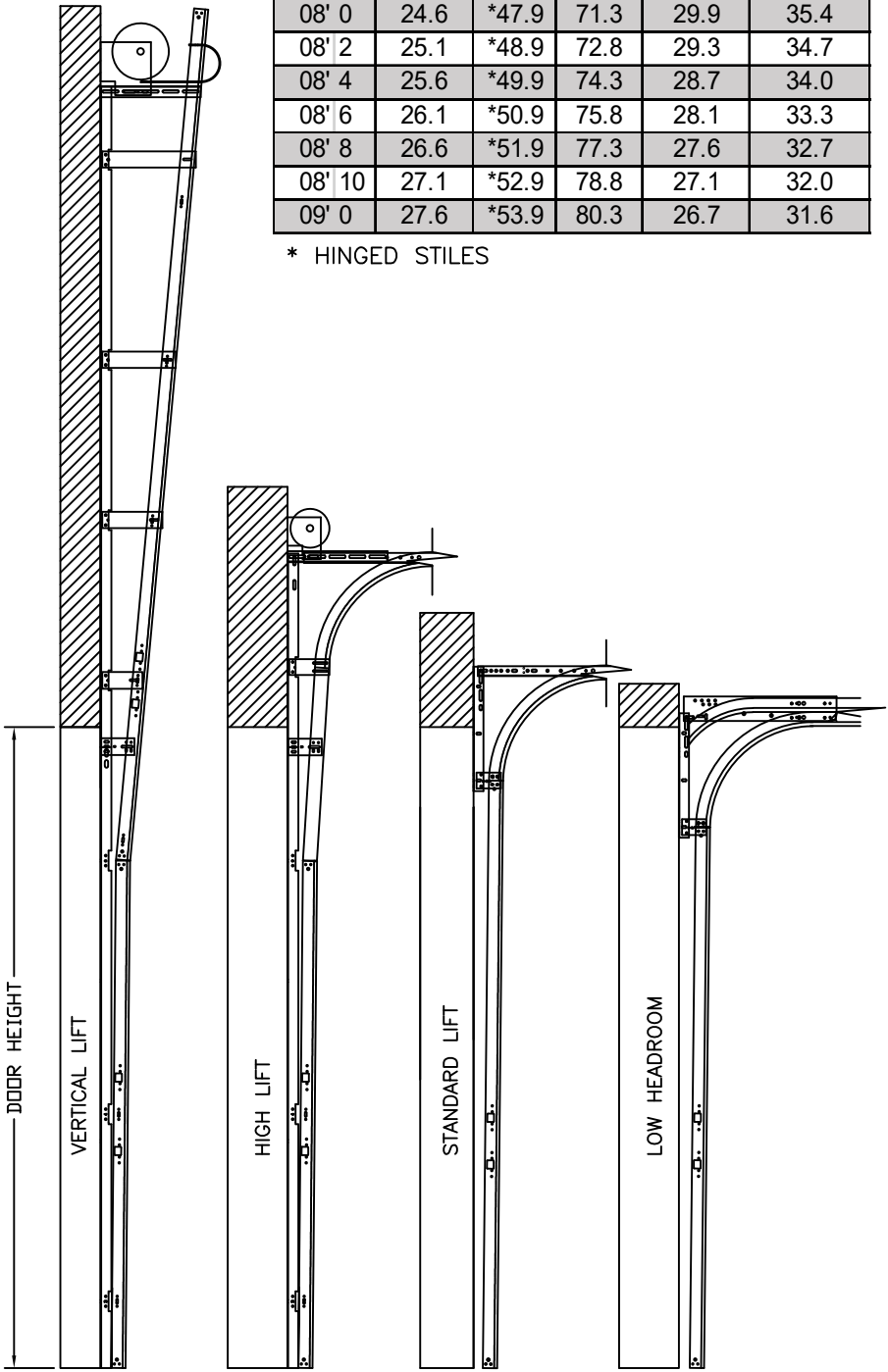
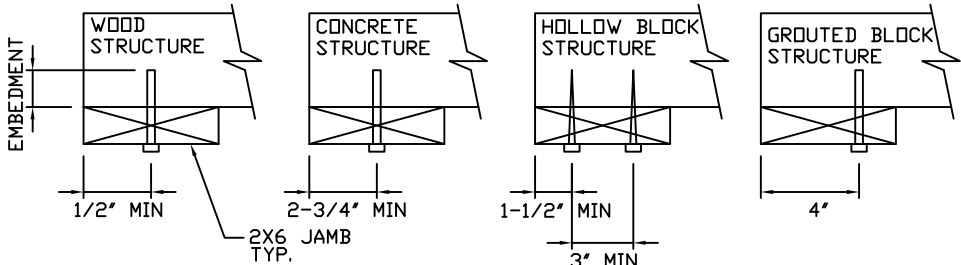
SECTION B-B

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/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

MAX SIZE
9' x 14'

DESIGN LOADS
+26.7 PSF
-31.6 PSF

TEST LOADS
(1.5 x DESIGN LOADS)
+40.1 PSF
-47.4 PSF

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

SHEET 2 OF 2