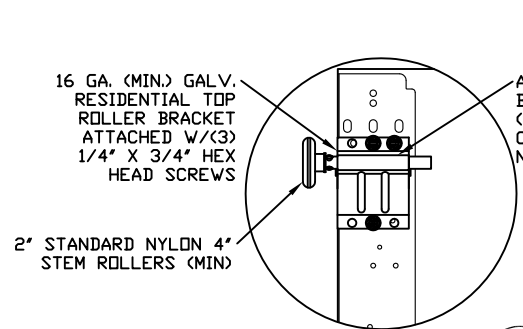
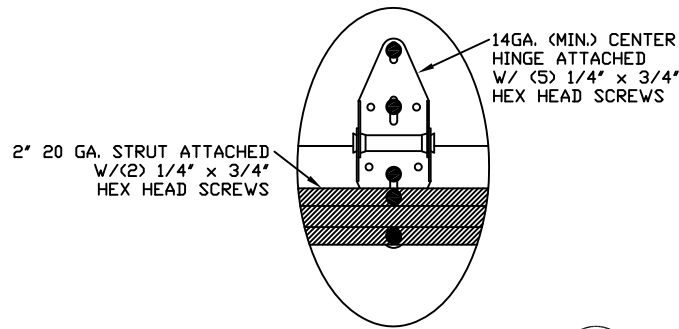
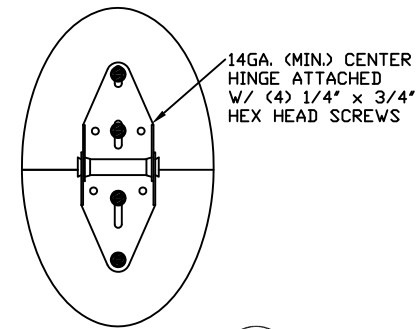




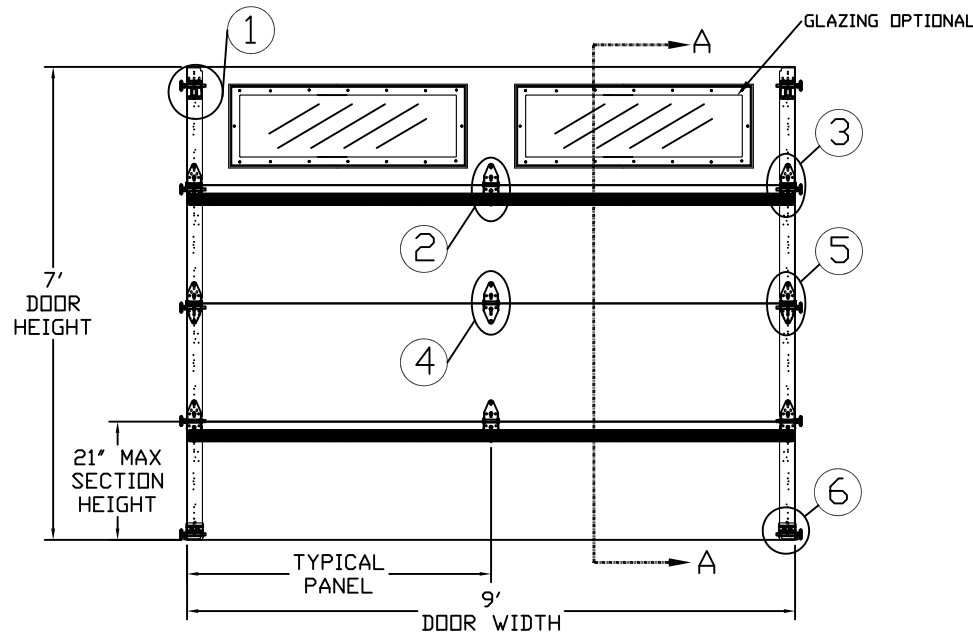
TYPICAL TOP FIXTURES
N.T.S. 1



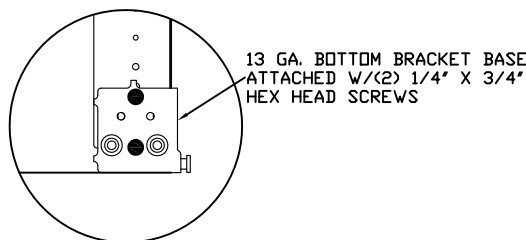
TYPICAL CENTER HINGE W/ STRUT
N.T.S. 2



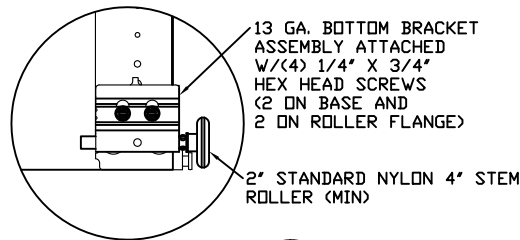
TYPICAL CENTER HINGE
N.T.S. 4



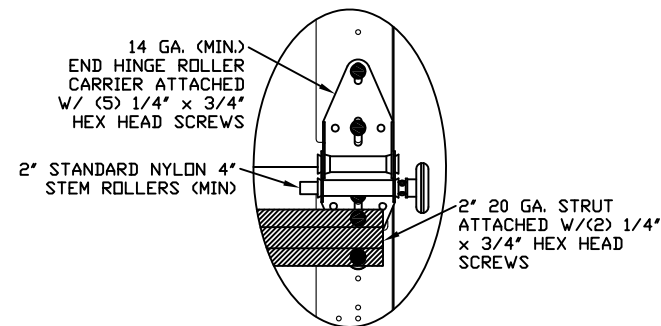
INSIDE ELEVATION
N.T.S.



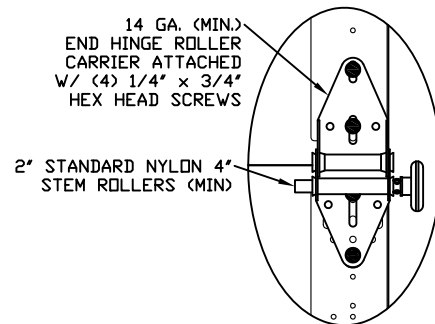
TRBB-375 BOTTOM BRACKET
N.T.S. 6A



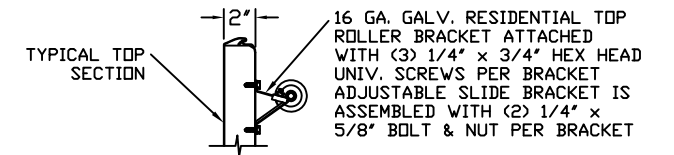
TRBB-375 BOTTOM BRACKET
N.T.S. 6B



TYPICAL END HINGE W/ STRUT
N.T.S. 3

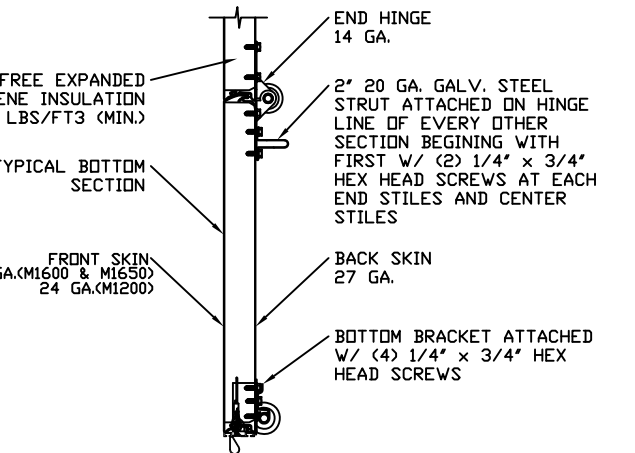


TYPICAL END HINGE
N.T.S. 5



TYPICAL TOP SECTION

TYPICAL ODD INTERMEDIATE SECTION



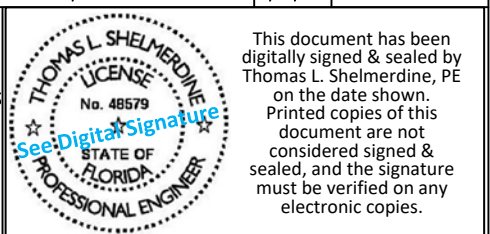
SECTION A-A (SIDE VIEW)
N.T.S.

REV	DESCRIPTION OF REVISIONS	DATE	BY
A	ADDED HERITAGE MODEL/DRAWING UPDATES	2/28/22	RLR

MAX SIZE
9' x 14'

DESIGN LOADS
+15.8 PSF
-18.7 PSF

TEST LOADS
+23.7 PSF
-28.0 PSF



Thomas L
Shelmerdine

Digitally signed by Thomas L. Shelmerdine
DN: c=US, o=North Carolina,
dnQualifier=A01410D0000017E7DCF965F0
002DE45, cn=Thomas L. Shelmerdine
Date: 2022.03.09 13:48:24 -05'00'

Thomas L. Shelmerdine, PE (FL PE #0048579)
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FL



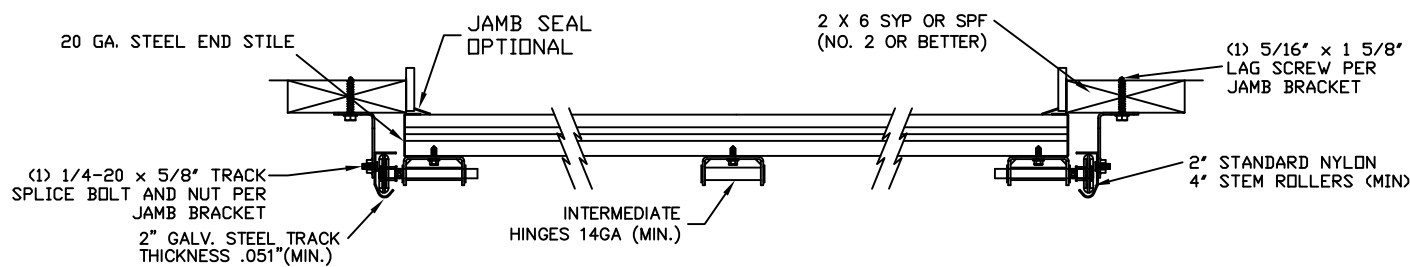
MODEL #1600 AMARR LINCOLN 3000
MODEL #1650 AMARR HILLCREST 3000
MODEL #1200 AMARR HERITAGE 3000

SIZE	DRAWN BY	DRD	DATE	11/15/18	DRAWING NUMBER
B	CHECKED BY	DLJ	DATE	3/19/18	IRC-1609-100-11
AMARR COMPANY 165 CARRIAGE COURT WINSTON-SALEM, N.C. 27105					SHEET 1 OF 3

NOTE: FOR STRUT SCHEDULE SEE
TABLE 4 ON PAGE 3

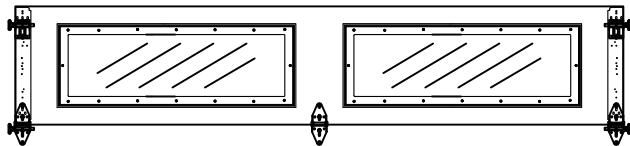
THE METHOD OF TESTING WAS IN SUBSTANTIAL CONFORMANCE WITH THE PROCEDURE DESCRIBED IN DASMA 108 AND ASTM E330. THE PRESSURES SHOWN ON THE DRAWINGS WERE CALCULATED USING ASCE 7-16 WITH THE FOLLOWING PARAMETERS (5 FEET OF DOOR WIDTH IN THE END ZONE, ROOF AT ANY SLOPE):

WIND SPEED (MPH)	129	117	111	106	102
EXPOSURE LEVEL	B	C	C	D	D
MEAN ROOF HEIGHT	30'	15'	25'	15'	25'

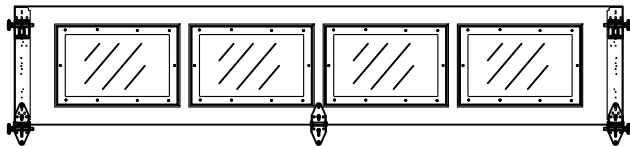


TRACK MOUNTING DETAIL
N.T.S.

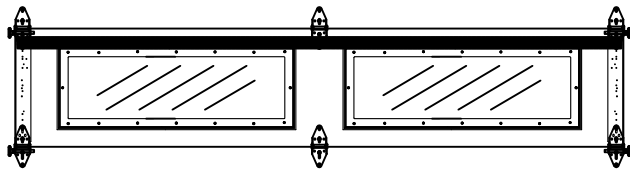
OPTIONAL SHORT AND LONG PANEL GLAZING LAYOUTS
GLAZING MEETS ASTM E1300-04



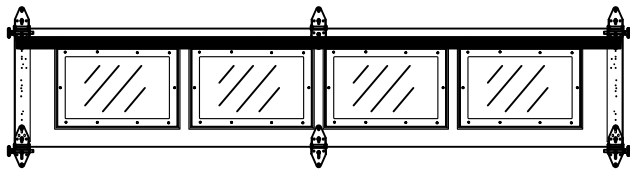
OPTIONAL GLAZED TOP SECTION W/ RESIDENTIAL LONG PANEL
N.T.S.



OPTIONAL GLAZED TOP SECTION W/ RESIDENTIAL SHORT PANEL
N.T.S.



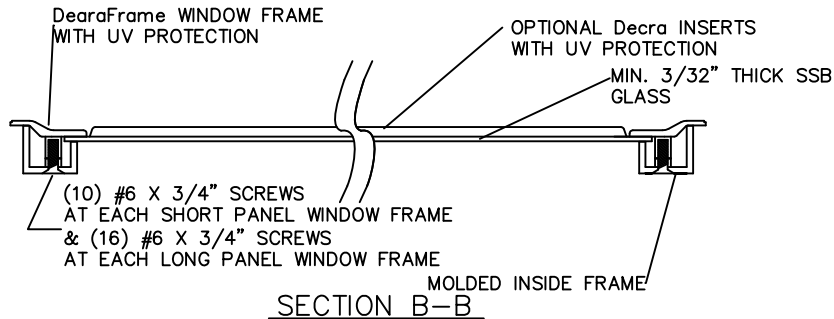
OPTIONAL GLAZED INTERMEDIATE SECTION W/ RESIDENTIAL LONG PANEL
N.T.S.



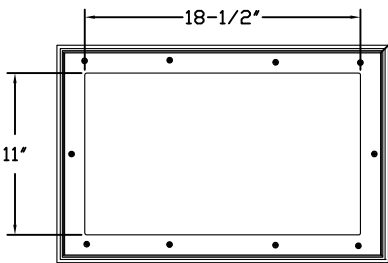
OPTIONAL GLAZED INTERMEDIATE SECTION W/ RESIDENTIAL SHORT PANEL
N.T.S.

GLAZING OPTION CROSS SECTION

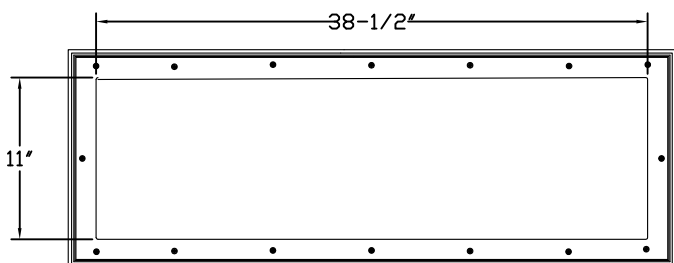
GLAZING NOT AVAILABLE IN WIND-BORNE DEBRIS REGION
GLAZING MEETS ASTM E1300-04



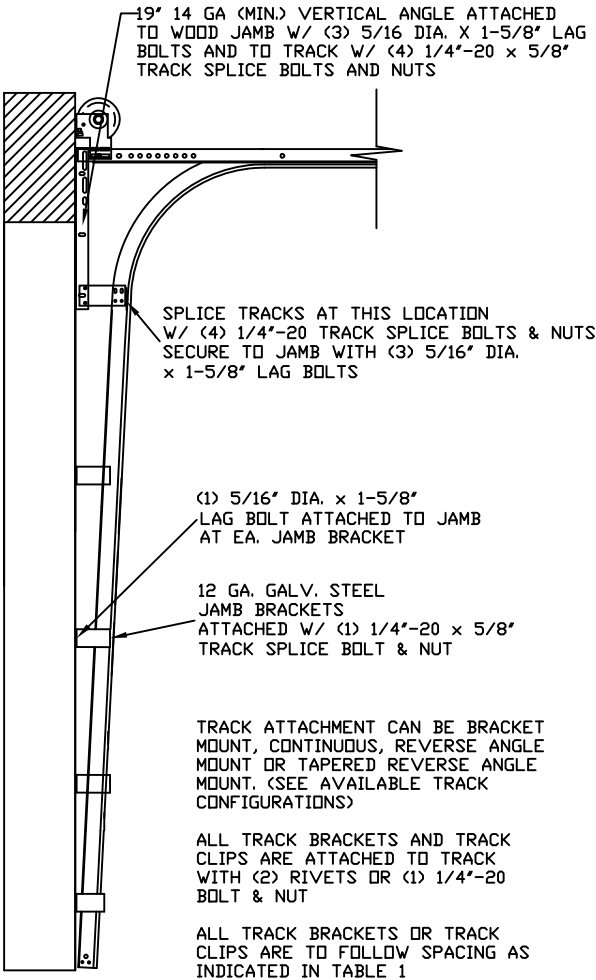
SECTION B-B



SHORT PANEL GLAZING FASTENER DETAIL
N.T.S.



LONG PANEL GLAZING FASTENER DETAIL
N.T.S.



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

TABLE 1

HEIGHT	TRACK ATTACHMENT							SPLICE
	A	B	C	D	E	F	G	
6' 0"	10"	38"	58"					64"
6' 6"	10"	38"	58"					70"
7' 0"	10"	38"	58"					76"
7' 6"	10"	38"	58"					82"
8' 0"	10"	38"	58"	82"				88"
8' 6"	10"	38"	58"	82"				94"
9' 0"	10"	38"	58"	82"				100"
9' 6"	10"	38"	58"	82"				106"
10' 0"	10"	38"	58"	82"	106"			112"
10' 6"	10"	38"	58"	82"	106"			118"
11' 0"	10"	38"	58"	82"	106"			124"
11' 6"	10"	38"	58"	82"	106"			130"
12' 0"	10"	38"	58"	82"	106"	130"		136"
12' 6"	10"	38"	58"	82"	106"	130"		142"
13' 0"	10"	38"	58"	82"	106"	130"		148"
13' 6"	10"	38"	58"	82"	106"	130"		154"
14' 0"	10"	38"	58"	82"	106"	130"	154"	160"

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

REV	DESCRIPTION OF REVISIONS	DATE	BY
A	ADDED HERITAGE MODEL/DRAWING UPDATES	2/28/22	RLR
MAX SIZE 9' x 14' DESIGN LOADS +15.8 PSF -18.7 PSF TEST LOADS +23.7 PSF -28.0 PSF THOMAS L. SHELDERDINE 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			
Amarr MODEL #1600 AMARR LINCOLN 3000 MODEL #1650 AMARR HILLCREST 3000 MODEL #1200 AMARR HERITAGE 3000			
SIZE	DRAWN BY DRD	DATE 11/15/18	DRAWING NUMBER
B	CHECKED BY DLJ	DATE 3/19/18	IRC-1609-100-11
AMARR COMPANY 165 CARRIAGE COURT WINSTON-SALEM, N.C. 27105			SHEET 2 OF 3

TABLE 2

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

TABLE 3

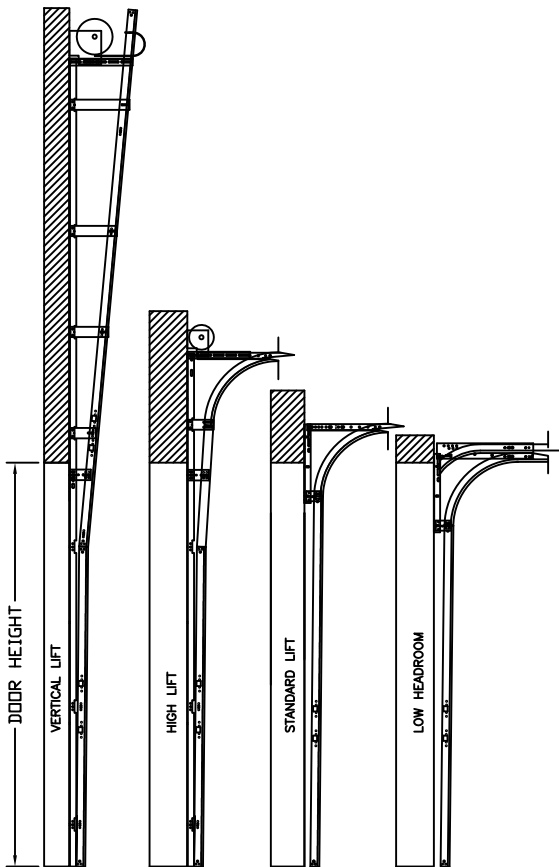
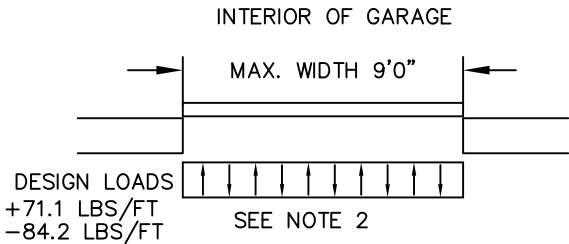
Section Width (ft)	Panel Type	Center Stile Location (Measured from Left Edge)		Max Design Loads Allowed	
		1st (in)	2nd (in)	Positive (PSF)	Negative (PSF)
6' 0	Short	24.406	47.594	23.7	28.0
7' 0	Short	29.200	54.800	20.3	24.0
7' 2	Short	30.200	55.800	19.8	23.4
7' 4	Short	31.200	56.800	19.3	22.9
7' 6	Short	32.200	57.800	18.9	22.4
7' 6	Long	45.000		18.9	22.4
7' 8	Short	32.200	60.000	18.5	21.9
7' 8	Long	46.000		18.5	21.9
7' 10	Short	33.000	61.000	18.1	21.4
7' 10	Long	47.000		18.1	21.4
8' 0	Short	48.000		17.7	21.0
8' 0	Long	48.000		17.7	21.0
8' 2	Short	49.000		17.4	20.6
8' 2	Long	49.000		17.4	20.6
8' 4	Short	50.000		17.0	20.1
8' 4	Long	50.000		17.0	20.1
8' 6	Short	51.000		16.7	19.8
8' 6	Long	51.000		16.7	19.8
8' 8	Short	52.000		16.4	19.4
8' 8	Long	52.000		16.4	19.4
8' 10	Short	53.000		16.0	19.0
8' 10	Long	53.000		16.0	19.0
9' 0	Short	54.000		15.8	18.7
9' 0	Long	54.000		15.8	18.7

TABLE 4

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

SPECIFICATIONS AND NOTES

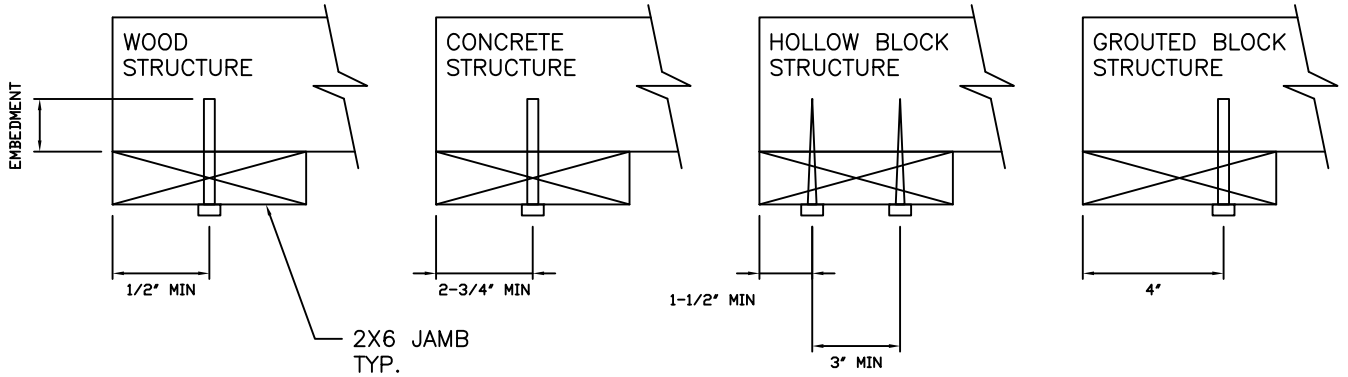
1. ALL THE LOAD FROM THE DOOR IS TRANSFERRED TO THE VERTICAL TRACK, FROM THE TRACK THE LOAD IS TRANSFERRED TO THE VERTICAL JAMBS. THE HORIZONTAL JAMB OR HEADER RECEIVES NO PORTION OF THE LOAD TRANSFERRED FROM THE DOOR.
2. EACH VERTICAL JAMBS RECEIVES MAXIMUM DESIGN LOADS OF: +71.1 LBS/FT & -84.2 LBS/FT.
3. DOOR AND HARDWARE WILL BE DESIGNED, MANUFACTURED AND INSTALLED WITH STANDARDS AS SET FORTH BY DASMA.
4. DOOR SECTIONS SHALL BE 27GA MIN. INTERIOR AND 27GA MIN. EXTERIOR SKIN ROLLED FORMED, W/ BAKED ON POLYESTER FINISH.
5. SUPPORTING STRUCTURAL ELEMENTS SHALL BE DESIGNED BY A REGISTERED PROFESSIONAL ENGINEER FOR WIND LOADS INDICATED ON THIS DRAWING IN ADDITION TO OTHER LOADINGS.
6. PANEL STAMP DOES NOT AFFECT WINDLOAD CAPABILITIES.



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



REV	DESCRIPTION OF REVISIONS	DATE	BY
A	ADDED HERITAGE MODEL/DRAWING UPDATES	2/28/22	RLR

MAX SIZE
9' x 14'

DESIGN LOADS
+15.8 PSF
-18.7 PSF

TEST LOADS
+23.7 PSF
-28.0 PSF

THOMAS L. SHELMERDINE
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FL

Amarr

MODEL #1600 AMARR LINCOLN 3000
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MODEL #1200 AMARR HERITAGE 3000

SIZE B	DRAWN BY DLJ	DRD DATE 11/15/18 3/19/18	DATE	DRAWING NUMBER IRC-1609-100-11
AMARR COMPANY 165 CARRIAGE COURT WINSTON-SALEM, N.C. 27105				SHEET 3 OF 3