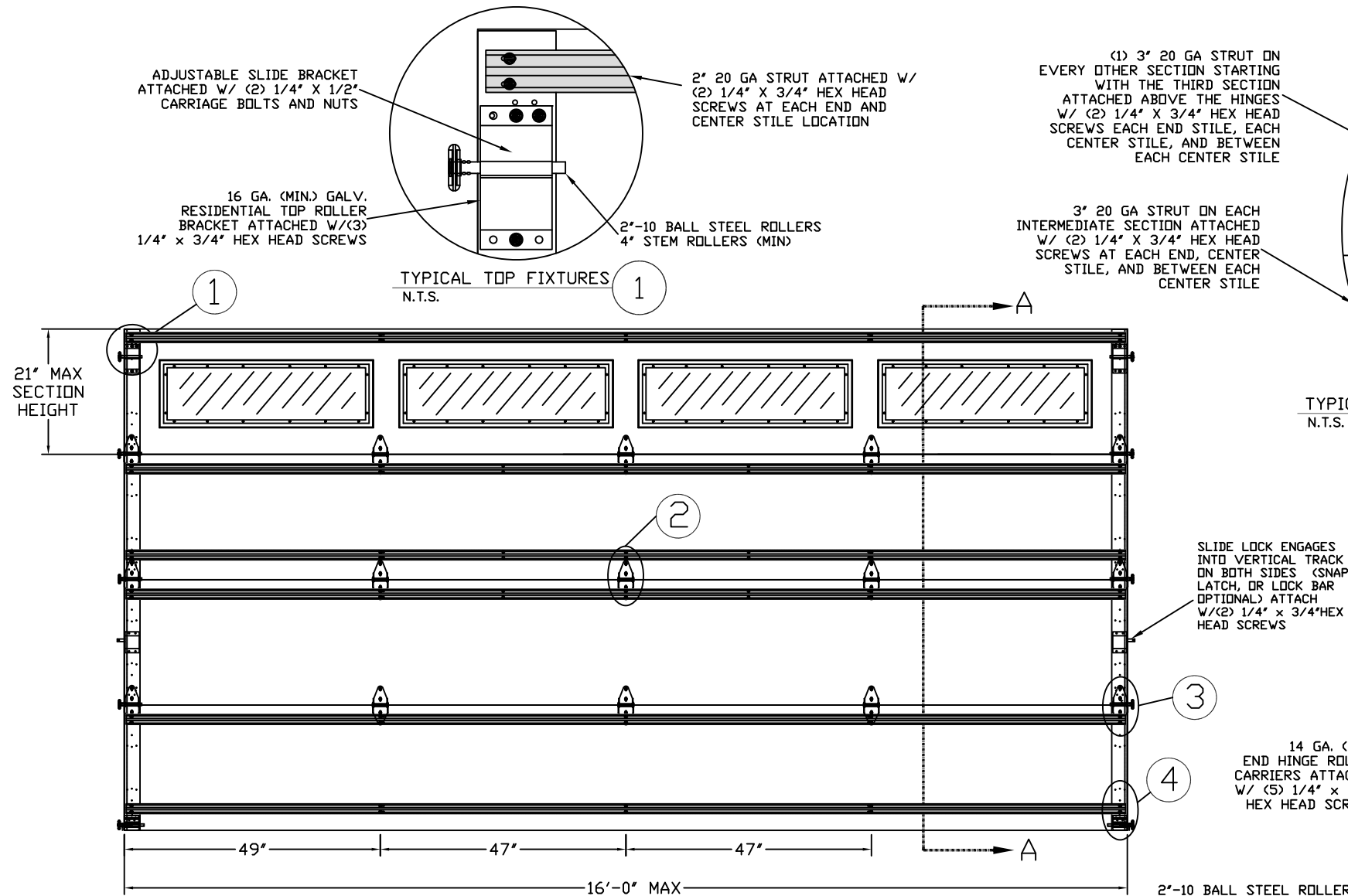


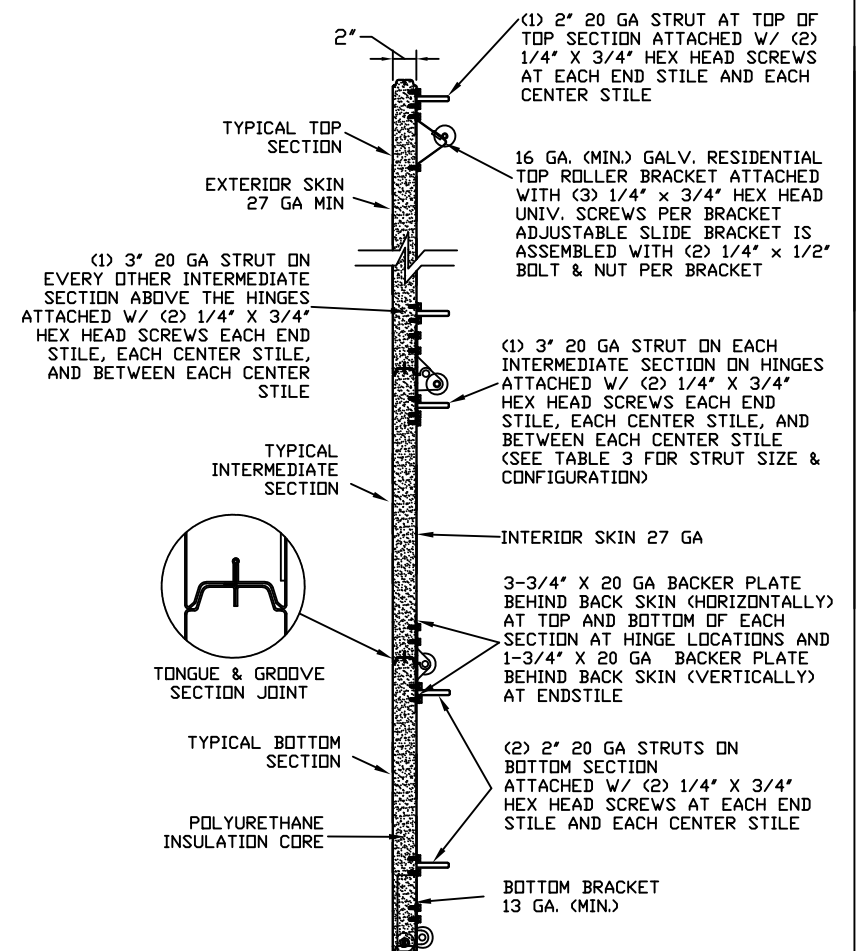


TYPICAL TOP FIXTURES
N.T.S.

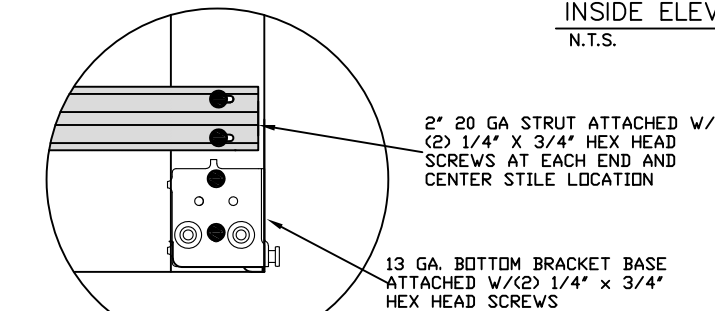
TYPICAL CENTER HINGE
N.T.S.

INSIDE ELEVATION
N.T.S.

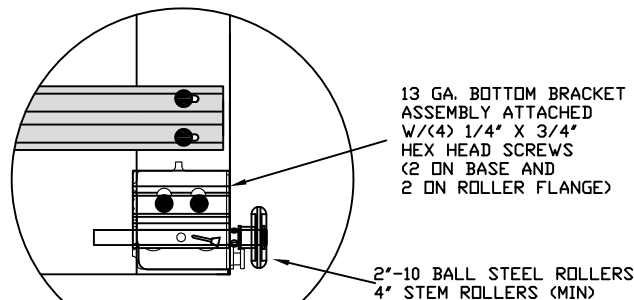
TYPICAL END HINGE
N.T.S.



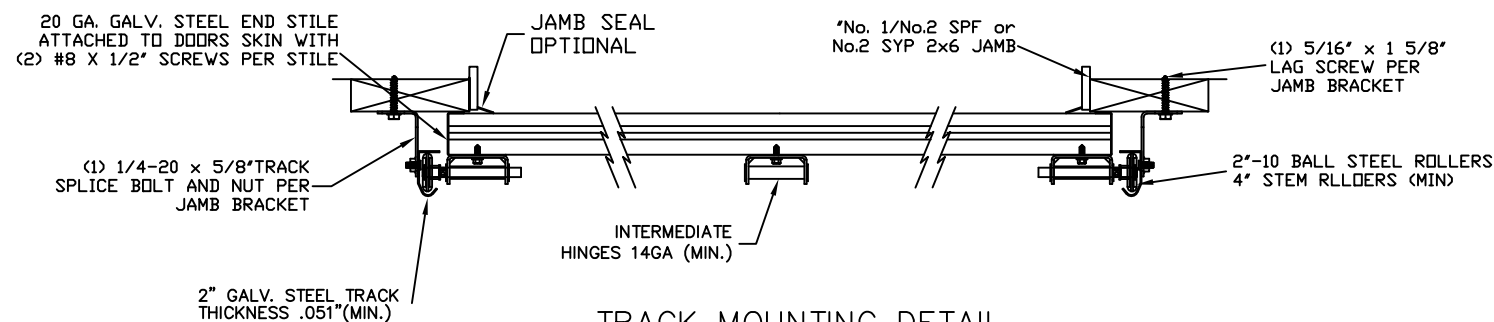
SECTION A-A (SIDE VIEW)



TRBB-375 BOTTOM BRACKET
N.T.S.



TRBB-375 BOTTOM BRACKET
N.T.S.



TRACK MOUNTING DETAIL
N.T.S.

THE METHOD OF TESTING WAS IN SUBSTANTIAL CONFORMANCE WITH THE PROCEDURES DESCRIBED IN DASMA 108. THE PRESSURES SHOWN ON THE DRAWINGS WERE CALCULATED USING ASCE 7-22 WITH THE FOLLOWING PARAMETERS (5 FEET OF DOOR WIDTH IN END ZONE, ROOF AT ANY SLOPE):

WIND SPEED (MPH)	142	129	123	117	112
EXPOSURE LEVEL	B	C	C	D	D
MEAN ROOF HEIGHT	30'	15'	25'	15'	25'

REV	DESCRIPTION OF REVISIONS	DATE	BY

MAX SIZE
16' x 14'

DESIGN LOADS
+18.3 PSF
-20.8 PSF

TEST LOADS
(1.5 x DESIGN LOADS)
+27.5 PSF
-31.2 PSF

This document has been digitally signed and 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.

Digitally signed by Thomas L. Shelmerdine
DN: cn=US, o=North Carolina,
dnQualifier=A01410D000001856487A7B100
125CE2, cn=Thomas L. Shelmerdine
Date: 2023.10.04 09:54:28 -04'00'

Thomas L. Shelmerdine

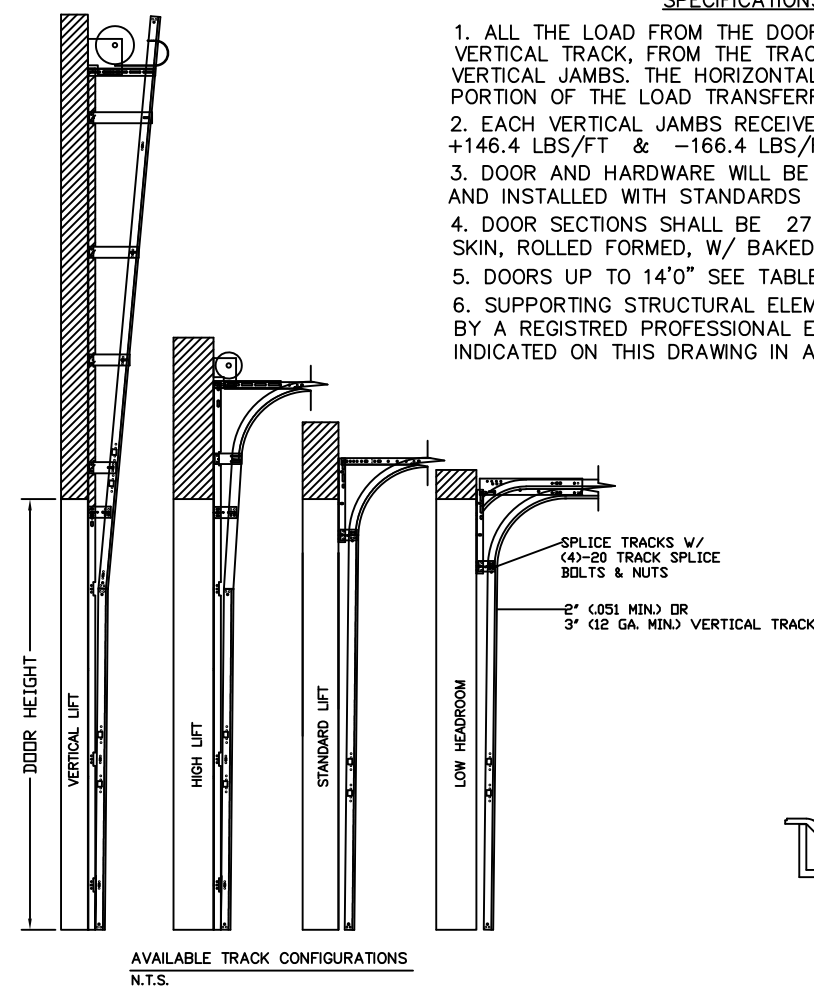
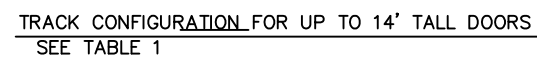
Thomas L. Shelmerdine, PE (FL PE #0048579)
Structural Solutions, PA (FL Firm #29412)
dba Structural Solutions of North Carolina, Inc.
5921-G W. Friendly Ave., Greensboro, NC 27410

FL

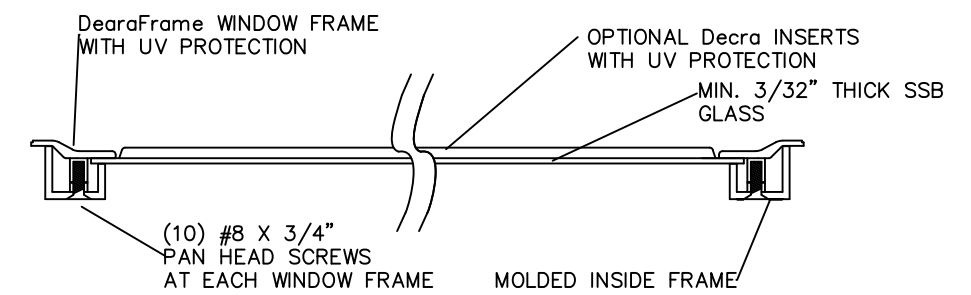
Amarr

**MODEL C500 (CLAMSHELL)
AMARR OLYMPUS 3200,
AMARR DESIGNERS CHOICE 3200**

SIZE	DRAWN BY	RLR	DATE	10/20/15	DRAWING NUMBER
B	CHECKED BY	RLR	DATE	10/20/15	IRC-C516-110-15
AMARR COMPANY 165 CARRIAGE COURT WINSTON-SALEM, NC. 27105					SHEET 1 OF 3



-
- Diagram illustrating the interior of a garage with design loads and width specifications:
- INTERIOR OF GARAGE
 - MAX. WIDTH 16'0"
 - DESIGN LOADS:
 - +146.4 LBS/FT
 - 166.4 LBS/FT
 - SEE NOTE 2



SECTION B-B RESIDENTIAL LONG PANEL WINDOW DETAIL
N.T.S.

TABLE 2

FL

Amarr

MODEL C500 (CLAMSHELL) AMARR OLYMPUS 3200, AMARR DESIGNERS CHOICE 3200

SIZE B	DRAWN BY	RLR	DATE	10/20/15	DRAWING NUMBER IRC-C516-110-15
	CHECKED BY	RLR	DATE	10/20/15	
AMARR COMPANY 165 CARRIAGE COURT WINSTON-SALEM, N.C. 27105					SHEET 2 OF 3

TABLE 1

DOOR HEIGHT		TRACK ATTACHMENT						TYPICAL SPLICE
		A	B	C	D	E	F	
7'	0"	10.0"	34"	58"				76"
7'	6"	10.0"	34"	58"				82"
8'	0"	10.0"	34"	58"				88"
9'	0"	10.0"	34"	58"	82"			100"
9'	6"	10.0"	34"	58"	82"			106"
10'	0"	10.0"	34"	58"	82"			112"
11'	0"	10.0"	34"	58"	82"	106"		124"
12'	0"	10.0"	34"	58"	82"	106"		136"
13'	0"	10.0"	34"	58"	82"	106"	130"	148"
14'	0"	10.0"	34"	58"	82"	106"	130"	160"

ALL TRACK ATTACHMENTS +/- 2" ALLOWED USING SYP OR SPF NO.2 OR BETTER ONLY

TABLE 2

Section	Panel Type	Center Stile Locations (Measured from Left Edge)				Max Design Loads Allowed	
Width (ft)		1st (in)	2st (in)	3rd (in)	4th (in)	Positive (PSF)	Negative (PSF)
13' 10	Short	57.16	82.94	108.71		21.1	24.0
14' 0	Short	57.76	83.94	110.11		20.9	23.7
14' 2	Short	58.85	84.94	111.41		20.6	23.4
14' 4	Short	59.16	85.94	112.71		20.4	23.2
14' 6	Short	59.86	86.94	114.01		20.1	22.9
14' 8	Short	60.56	87.94	115.31		19.9	22.6
14' 8	Long	44.81	88.00	131.19		19.9	22.6
14' 10	Short	61.26	88.94	116.61		19.7	22.4
14' 10	Long	45.60	89.00	132.40		19.7	22.4
15' 0	Short	61.94	89.94	117.94		19.5	22.1
15' 0	Long	46.60	90.00	133.40		19.5	22.1
15' 2	Short	62.66	90.94	119.21		19.3	21.9
15' 2	Long	47.60	91.00	134.40		19.3	21.9
15' 4	Short	53.60	79.20	104.80	130.40	19.0	21.7
15' 4	Long	47.25	92.00	136.75		19.0	21.7
15' 6	Short	46.62	93.00	139.38		18.8	21.4
15' 6	Long	47.60	93.00	138.40		18.8	21.4
15' 8	Short	47.62	94.00	140.38		18.6	21.2
15' 8	Long	48.60	94.00	139.40		18.6	21.2
15' 10	Short	48.62	95.00	141.38		18.4	21.0
15' 10	Long	49.17	95.00	140.83		18.4	21.0
16' 0	Short	49.62	96.00	142.38		18.3	20.8
16' 0	Long	50.60	96.00	141.40		18.3	20.8

TABLE 3

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

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.

SIMPSON 1/4" X 5" THEN SCREWS STARTING 6" FROM ENDS,
USE PAIRS OF FASTENERS (3" APART)

USE PAIRS OF FASTENERS (5" APART)
AT 24" O.C. (1 1/2" EMBEDMENT)

HILL 1 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)

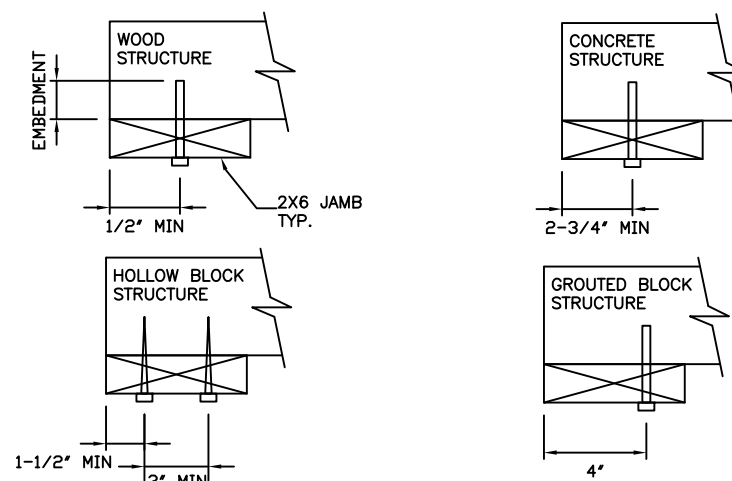
HILL SLIFFE ANCHOR 3/8" X 2-3/4" STARTING 6" FROM ENDS

THEN 24" O.C. (1 1/4" EMBEDMENT)

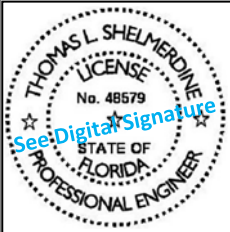
THEN 24 O.C. (1 1/4" EMBEDMENT)
(OR USE FASTENERS FOR HOLLOW C-90 BLOCK)

*LAGS AND BOLTS CAN BE COUNTERSUNK TO PROVIDE A FLUSH MOUNTING SURFACE

*LAGS AND BOLTS CAN BE COUNTERSUNK
*PREPARATION OF WOOD JAMBS BY OTHERS



REV	DESCRIPTION OF REVISIONS	DATE	BY

MAX SIZE 16' x 14' DESIGN LOADS +18.3 PSF -20.8 PSF TEST LOADS (1.5 x DESIGN LOADS) +27.5 PSF -31.2 PSF	 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
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MODEL C500 (CLAMSHELL) AMARR OLYMPUS 3200, AMARR DESIGNERS CHOICE 3200			
SIZE B	DRAWN BY	RLR	DATE 10/20/15
	CHECKED BY	RLR	DATE 10/20/15
			DRAWING NUMBER IRC-C516-110-15

AMARR COMPANY

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

SHEET 3 OF 3