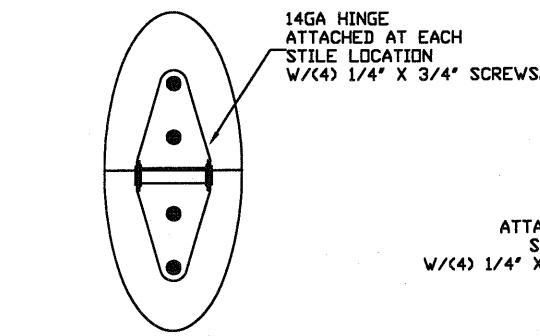
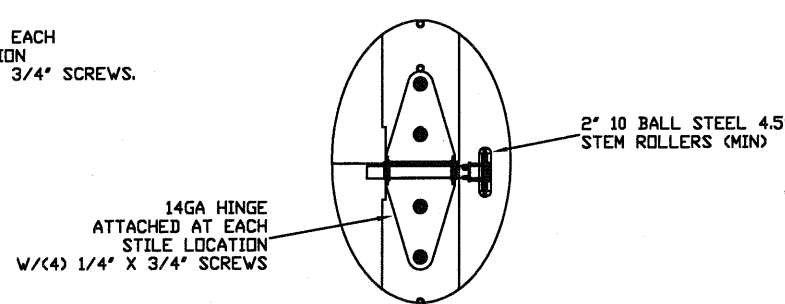


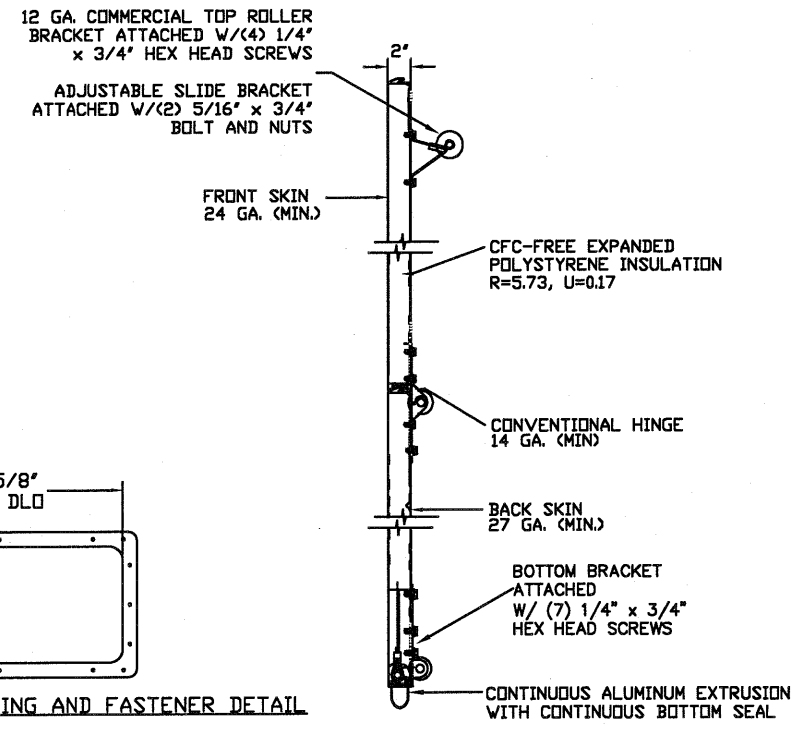
TYPICAL TOP FIXTURES
N.T.S. 1



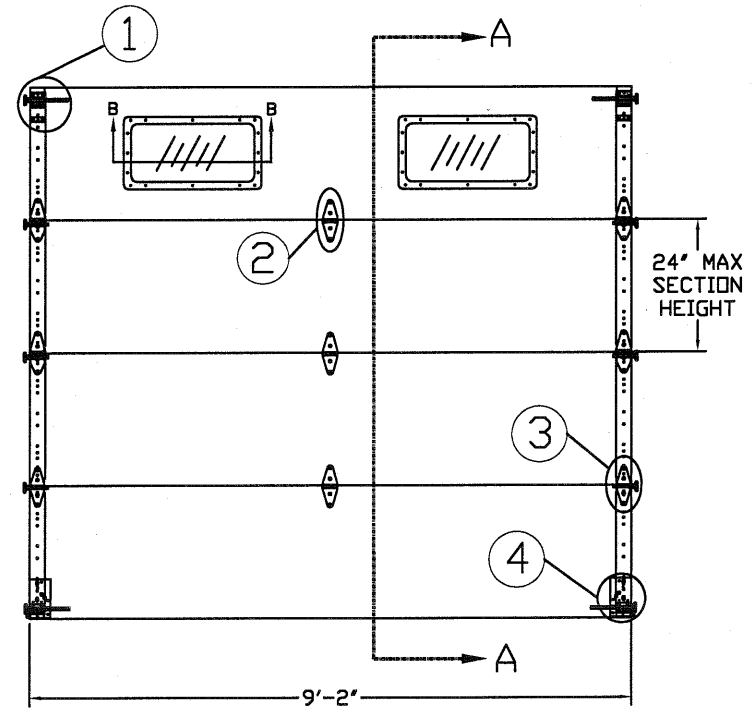
TYPICAL CENTER HINGE
N.T.S. 2



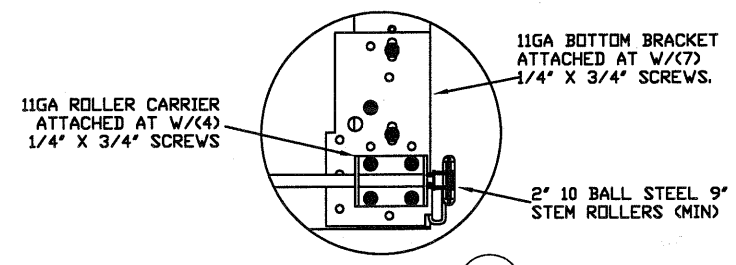
TYPICAL END HINGE
N.T.S. 3



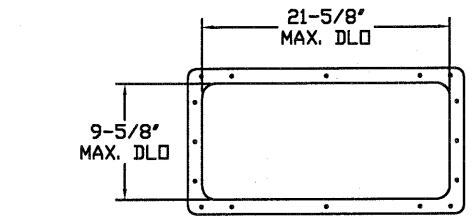
SECTION A-A (SIDE VIEW)
N.T.S.



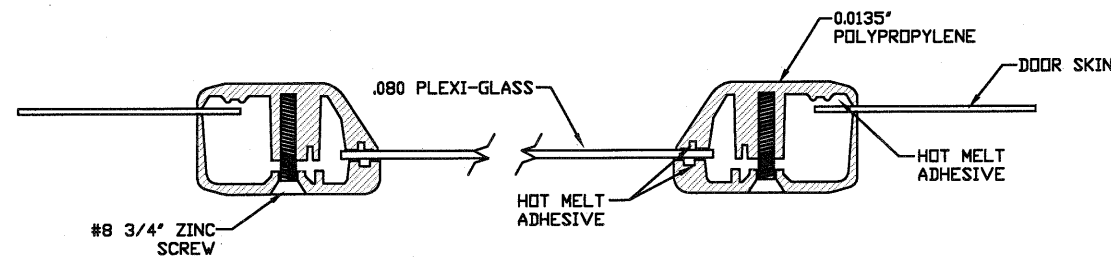
INSIDE ELEVATION
N.T.S.



BOTTOM BRACKET
N.T.S. 4



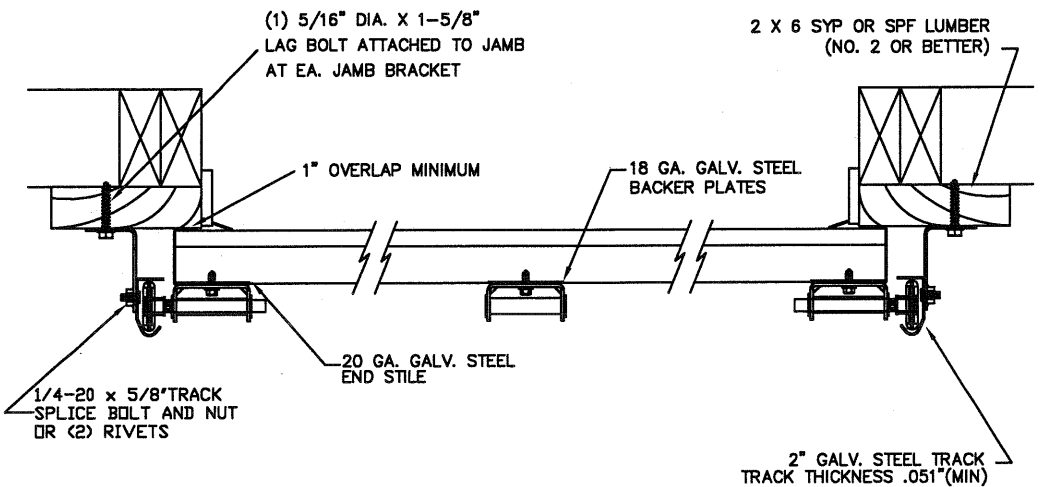
24" X 12" DAY LIGHT OPENING AND FASTENER DETAIL
N.T.S.



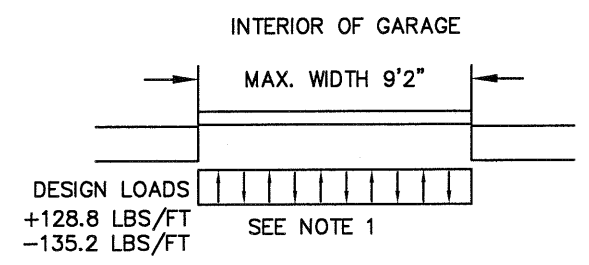
SECTION B-B 24" X 12" WINDOW DETAIL W/ .080 PLEXI-GLASS
N.T.S.

SPECIFICATIONS AND NOTES

1. EACH VERTICAL JAMBS RECEIVES MAXIMUM DESIGN LOADS OF: +128.8 LBS/FT & -135.2 LBS/FT
2. DOORS AND HARDWARE WILL BE DESIGNED, MANUFACTURED AND INSTALLED WITH STANDARDS AS SET FORTH BY DASMA.
3. DOOR SECTIONS SHALL BE 24 GA. MIN. EXTERIOR, 27 GA. (MIN) INTERIOR ROLLED FORMED LIGHT COMMERCIAL QUALITY
4. SUPPORTING STRUCTURAL ELEMENTS SHALL BE DESIGNED BY A REGISTERED PROFESSIONAL ENGINEER FOR WIND LOADS INDICATED ON THIS DRAWING IN ADDITION TO OTHER LOADINGS.



TRACK MOUNTING DETAIL
N.T.S.



THE METHOD OF TESTING WAS IN SUBSTANTIAL CONFORMANCE WITH THE PROCEDURES DESCRIBED IN ASTM E330, AND DASMA 108. THE PRESSURES SHOWN ON THE DRAWINGS WERE CALCULATED USING ASCE 7-16 WITH THE FOLLOWING PARAMETERS (5 FEET OF DOOR WIDTH IN END ZONE, ROOF SLOPE 10° OR LESS):

WIND SPEED (MPH)	171	155	148	141	135
EXPOSURE LEVEL	B	C	C	D	D
MEAN ROOF HEIGHT	30'	15'	25'	15'	25'

REV	DESCRIPTION OF REVISIONS	DATE	BY

MAX SIZE 9'2" x 24'

DESIGN LOADS +28.1 PSF -29.5 PSF

TEST LOADS +42.2 PSF -44.3 PSF

FL

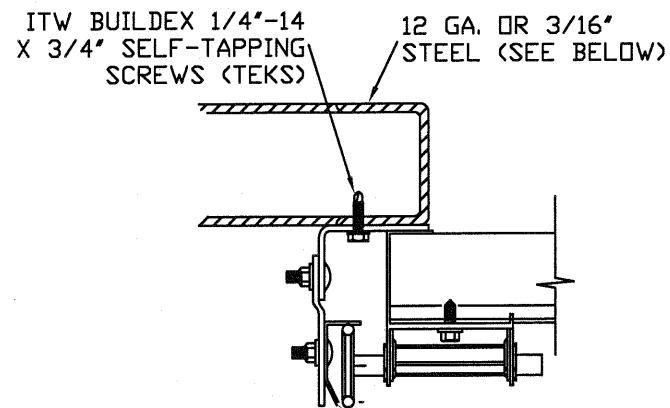
Thomas L. Shelmerdine, PE (FL PE #0048579) Structural Solutions, PA (FL Firm #29412)

dba Structural Solutions of North Carolina, Inc. 5921-G W. Friendly Ave., Greensboro, NC 27410

MODEL 1000 AMARR 2432

SIZE B	DRAWN BY RLR	DATE 04/02/14	DRAWING NUMBER IBC-1009-132-00
	CHECKED BY	DATE	
ENTREMATIC 165 CARRIAGE COURT WINSTON-SALEM, N.C. 27105			SHEET 1 OF 3

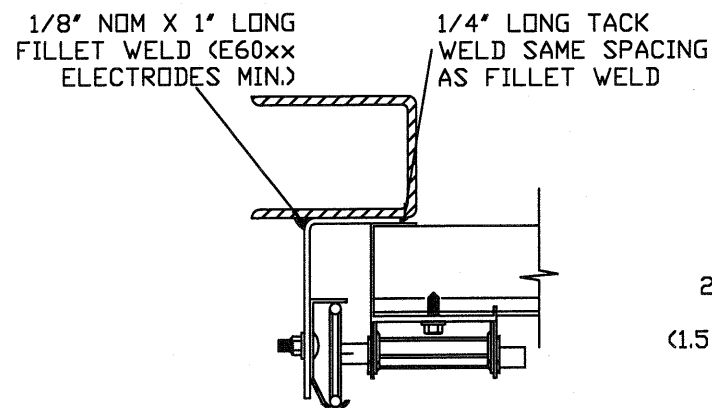
TRACK CONNECTION DIRECTLY TO STRUCTURE OPTIONS



CLIP STYLE REVERSE ANGLE MOUNT SHOWN
BRACKET, CONTINUOUS AND TAPERED ANGLE
MOUNT AVAILABLE

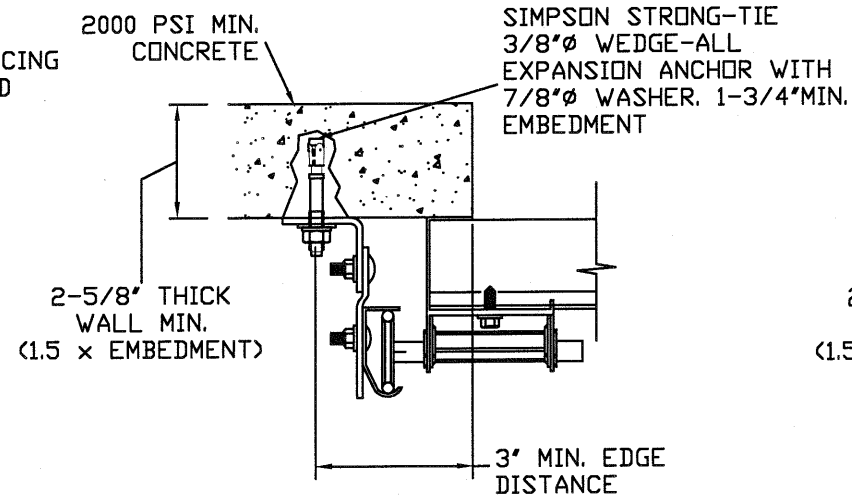
12 GA. STEEL FRAMING
232 LBS./SCREW ALLOWABLE LOAD - 6'
FROM ENDS AND 18" O.C.
REFER TO NOTES: 1, 2 AND 5

3/16" STEEL FRAMING
569 LBS./SCREW ALLOWABLE LOAD - 6"
FROM ENDS AND 24" O.C.
REFER TO NOTES: 1, 2 AND 5



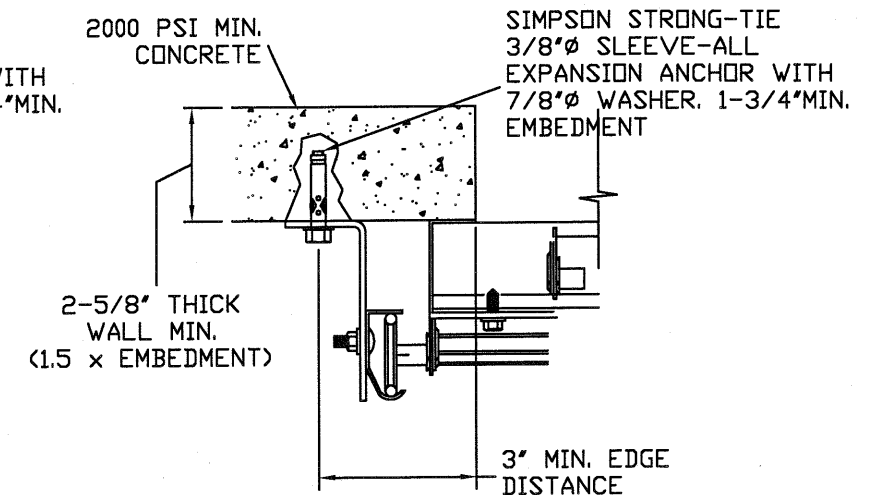
REVERSE ANGLE MOUNT SHOWN
BRACKET, CONTINUOUS AND
TAPERED ANGLE MOUNT AVAILABLE

STEEL FRAMING 12GA OR BETTER
1590 LBS./IN. ALLOWABLE LOAD -
6" FROM ENDS AND 24" O.C.
REFER TO NOTES: 1, 2, 5, 6, 7, 8
AND 9



CLIP STYLE CONTINUOUS ANGLE MOUNT SHOWN
BRACKET, REVERSE AND TAPERED ANGLE MOUNT
AVAILABLE

2000 PSI CONCRETE OR GREATER
351 LBS./EXPANSION ANCHOR ALLOWABLE LOAD -
6" FROM ENDS AND 24" O.C.
REFER TO NOTES 1, 2, 3, 4 AND 5

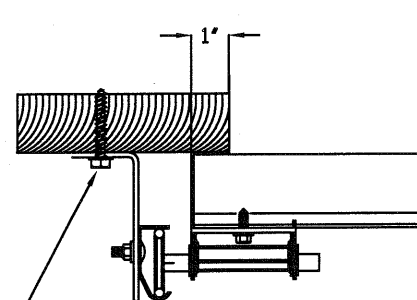


CONTINUOUS ANGLE MOUNT SHOWN
BRACKET, CONTINUOUS AND TAPERED ANGLE
MOUNT AVAILABLE

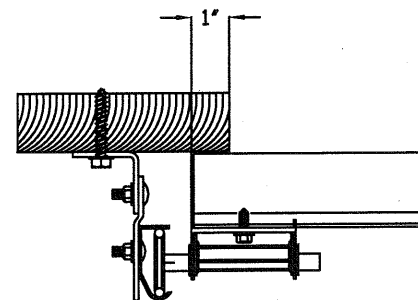
2000 PSI CONCRETE OR GREATER
336 LBS./EXPANSION ANCHOR ALLOWABLE
LOAD - 6" FROM ENDS AND 24" O.C.
REFER TO NOTES: 1, 2, 3, 4 AND 5

TRACK CONNECTION TO WOOD JAMB OPTIONS

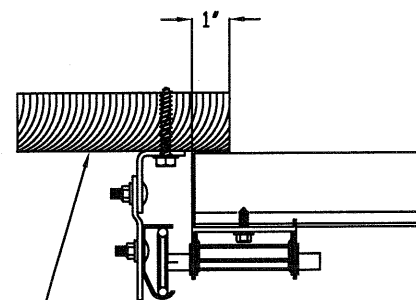
FOR LAG SCREWS & BRACKET SPACING SEE TABLE 1



BRACKET MOUNT



CONTINUOUS ANGLE MOUNT



REVERSE ANGLE MOUNT

5/16" x 1 5/8" LAG SCREW (1)
PER JAMB BRACKET (1-1/2"
EMBEDMENT MINIMUM) (TYP.)

2x6 WOOD JAMB SYP
(NO.2) OR BETTER (TYP.)

NOTES:

1. ANCHORS TO BE EVENLY SPACED BETWEEN THE HEADER AND FLOOR.
2. FIRST (BOTTOM) ANCHOR STARTING AT NO MORE THAN HALF OF THE MAXIMUM ON-CENTER DISTANCE. HIGHEST ANCHOR INSTALLED AT LEAST AS HIGH AS THE DOOR OPENING.
3. MIN. EDGE DISTANCE OF 3" REQUIRED.
4. USE WASHERS PROVIDED BY THE ANCHOR MANUFACTURER.
5. SUPPORTING STRUCTURAL ELEMENTS SHALL BE DESIGNED BY A REGISTERED PROFESSIONAL ENGINEER FOR WIND LOADS IN ADDITION TO OTHER LOADS.
6. MOST GARAGE DOOR TRACK IS GALVANIZED STEEL. USE ALL NECESSARY PRECAUTIONS WHEN WELDING GALVANIZED STEEL.
7. ALL WELDS SHOULD BE PERFORMED BY A CERTIFIED WELDER OR INSPECTED BY A CERTIFIED WELDING INSPECTOR TO VERIFY THE INTEGRITY OF THE WELD.
8. FILLET WELDS TO HAVE A STRAIGHT OR CONVEX FACE SURFACE.
9. TACK WELD TOE OF ANGLE AT SAME SPACING TO PREVENT ROTATION OF TRACK ANGLE.

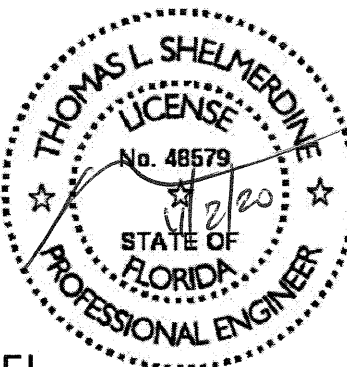
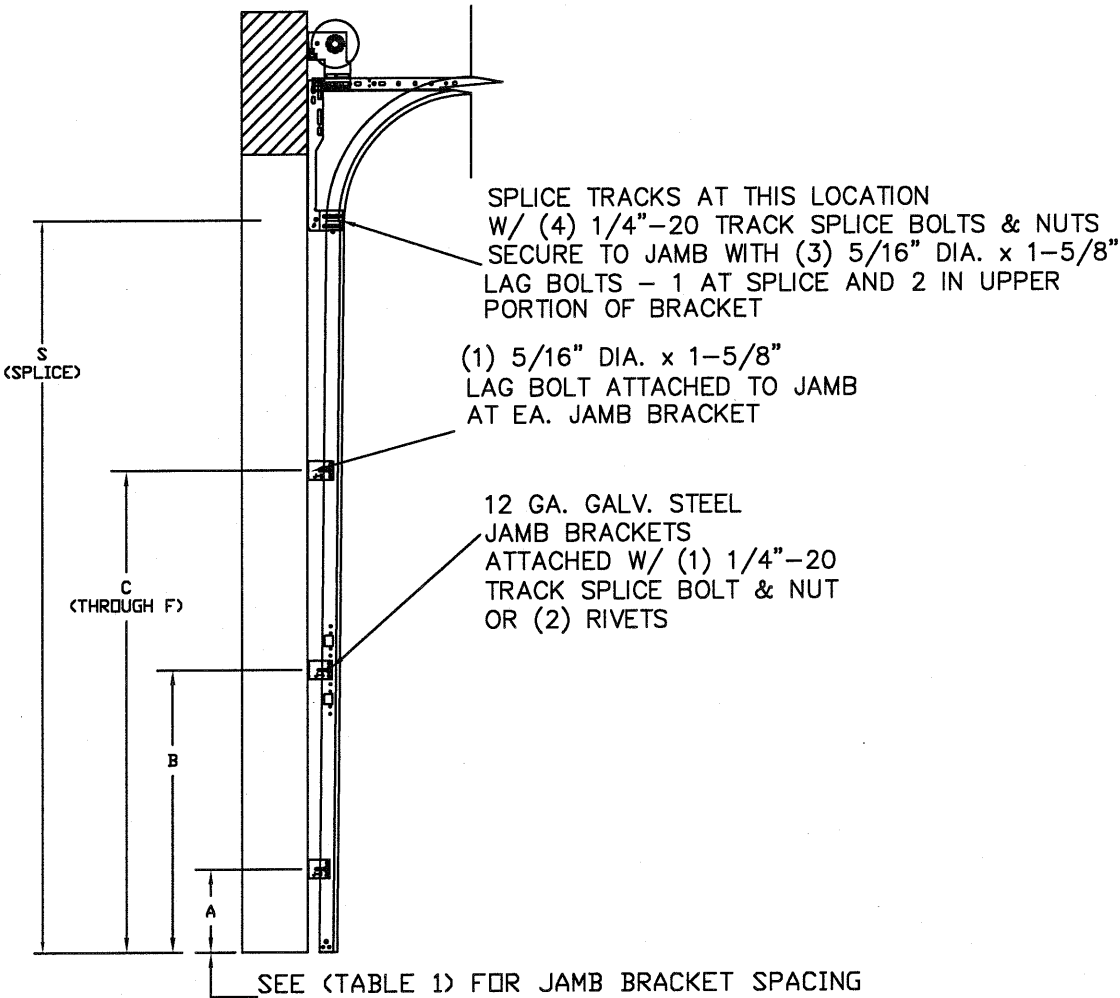
REV	DESCRIPTION OF REVISIONS	DATE	BY
MAX SIZE 9'2" x 24' DESIGN LOADS +28.1 PSF -29.5 PSF TEST LOADS +42.2 PSF -44.3 PSF		Thomas L. Shelmerdine, PE (FL PE #0048579) Structural Solutions, PA (FL Firm #29412)  FL dba Structural Solutions of North Carolina, Inc. 5921-G W. Friendly Ave., Greensboro, NC 27410	
			
MODEL 1000 AMARR 2432			
SIZE	DRAWN BY	RLR	DATE 04/02/14
B	CHECKED BY	DATE	DRAWING NUMBER
ENTREMATICS 165 CARRIAGE COURT WINSTON-SALEM, N.C. 27105			IBC-1009-132-00 SHEET 2 OF 3

TABLE 1

DOOR HEIGHT	TRACK ATTACHMENT											SPLICE
	A	B	C	D	E	F	G	H	I	J	K	S
6'6"	10"	34"	58"									70"
7'0"	10"	34"	58"									76"
7'6"	10"	34"	58"									82"
8'0"	10"	34"	58"									88"
8'6"	10"	34"	58"	82"								94"
9'0"	10"	34"	58"	82"								100"
9'6"	10"	34"	58"	82"								106"
10'0"	10"	34"	58"	82"								112"
10'6"	10"	34"	58"	82"	100"							118"
11'0"	10"	34"	58"	82"	106"							124"
11'6"	10"	34"	58"	82"	100"							130"
12'0"	10"	34"	58"	82"	106"							136"
12'6"	10"	34"	58"	82"	98"	124"						142"
13'0"	10"	34"	58"	82"	106"	130"						148"
13'6"	10"	34"	58"	82"	98"	124"						154"
14'0"	10"	34"	58"	82"	106"	130"						160"
15'0"	10"	34"	58"	82"	106"	130"	154"					172"
16'0"	10"	34"	58"	82"	106"	130"	154"					184"
17'0"	10"	34"	58"	82"	106"	130"	154"	178"				196"
18'0"	10"	34"	58"	82"	106"	130"	154"	178"				208"
19'0"	10"	34"	58"	82"	106"	130"	154"	178"	202"			220"
20'0"	10"	34"	58"	82"	106"	130"	154"	178"	202"			232"
21'0"	10"	34"	58"	82"	106"	130"	154"	178"	202"	226"		244"
22'0"	10"	34"	58"	82"	106"	130"	154"	178"	202"	226"		256"
23'0"	10"	34"	58"	82"	106"	130"	154"	178"	202"	226"	250"	268"
24'0"	10"	34"	58"	82"	106"	130"	154"	178"	202"	226"	250"	280"

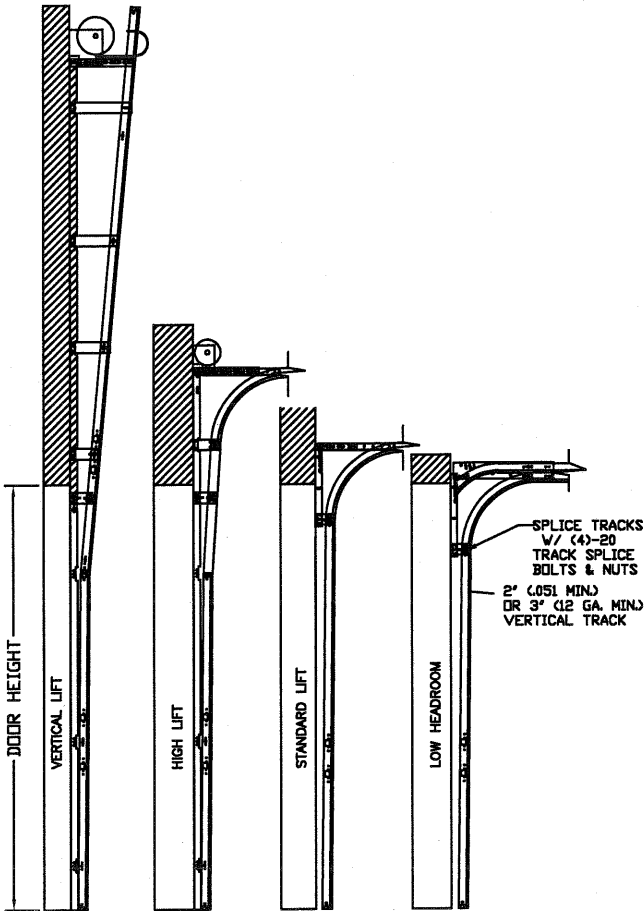
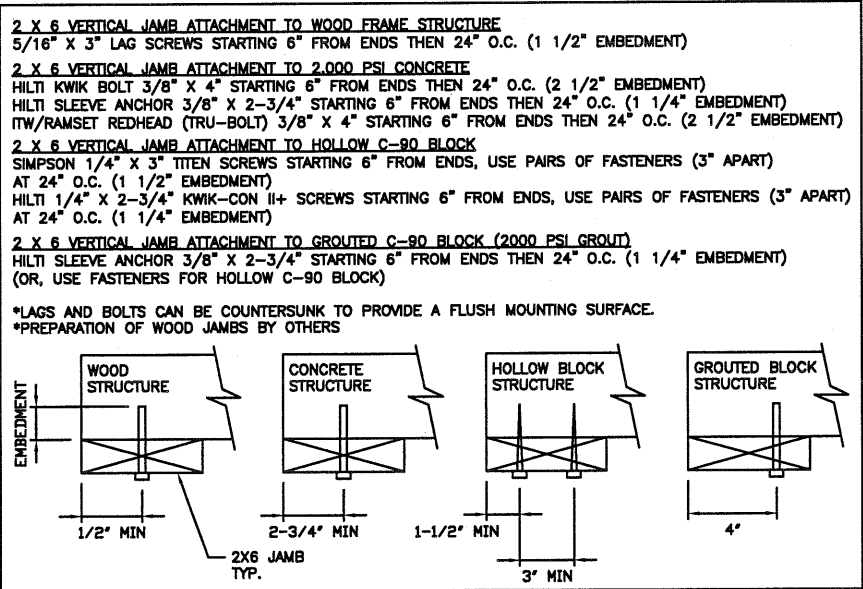
TABLE 2

Section Width (ft)		Center Stile Locations (From Left Edge)	Max Design Loads Allowed	
			Positive (PSF)	Negative (PSF)
6'	0"	36"	42.7	44.8
6'	2"	37"	41.5	43.6
6'	4"	38"	40.4	42.4
6'	6"	39"	39.4	41.3
6'	8"	40"	38.4	40.3
6'	10"	41"	37.5	39.3
7'	0"	42"	36.6	38.4
7'	2"	43"	35.7	37.5
7'	4"	44"	34.9	36.6
7'	6"	45"	34.1	35.8
7'	8"	46"	33.4	35.0
7'	10"	47"	32.7	34.3
8'	0"	48"	32.0	33.6
8'	2"	49"	31.3	32.9
8'	4"	50"	30.7	32.2
8'	6"	51"	30.1	31.6
8'	8"	52"	29.5	31.0
8'	10"	53"	29.0	30.4
9'	0"	54"	28.4	29.8
9'	2"	55"	28.1	29.5



TRACK CONFIGURATION FOR 6'6" UP TO 24' TALL DOORS
N.T.S.

WOOD JAMB ATTACHMENT TO STRUCTURE (OPTIONAL)



AVAILABLE TRACK CONFIGURATIONS
N.T.S.

REV	DESCRIPTION OF REVISIONS	DATE	BY

MAX SIZE
9'2" x 24'

DESIGN LOADS
+28.1 PSF
-29.5 PSF

TEST LOADS
+42.2 PSF
-44.3 PSF

Thomas L. Shelmerdine, PE (FL PE #0048579)
Structural Solutions, PA (FL Firm #29412)

THOMAS L. SHELMERDINE
LICENSE
No. 48579
STATE OF
FLORIDA
PROFESSIONAL ENGINEER
FL

dba Structural Solutions of North Carolina, Inc.
5921-G W. Friendly Ave., Greensboro, NC 27410

Amarr

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SHEET 3 OF 3