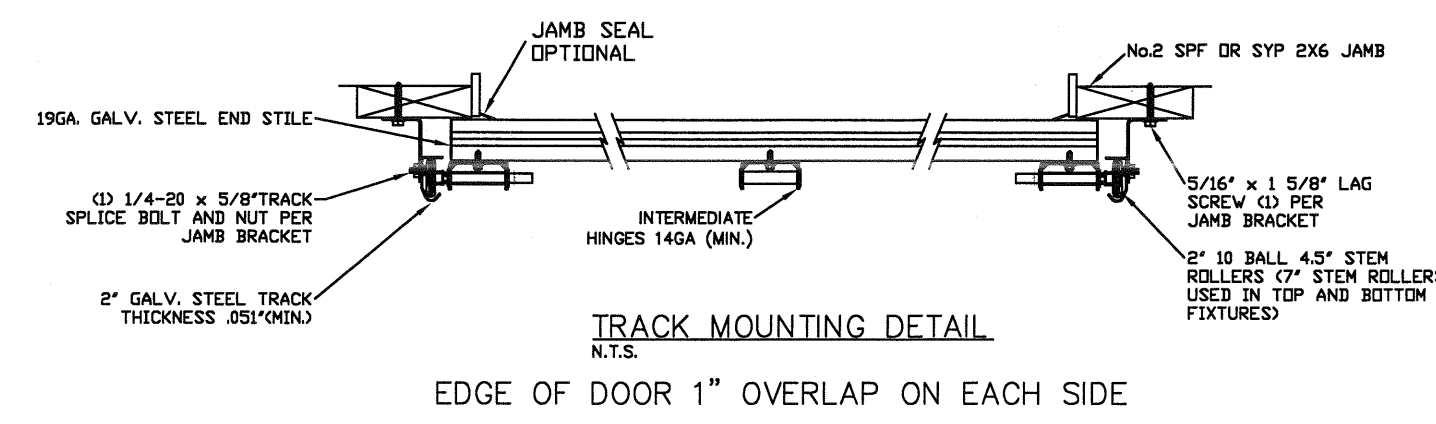
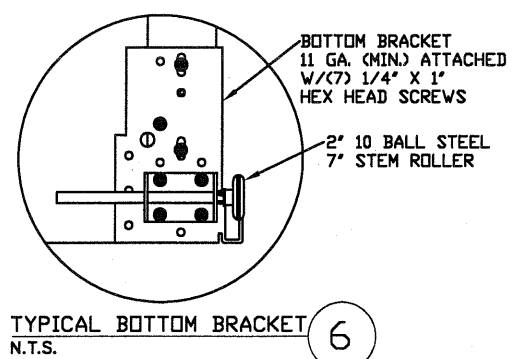
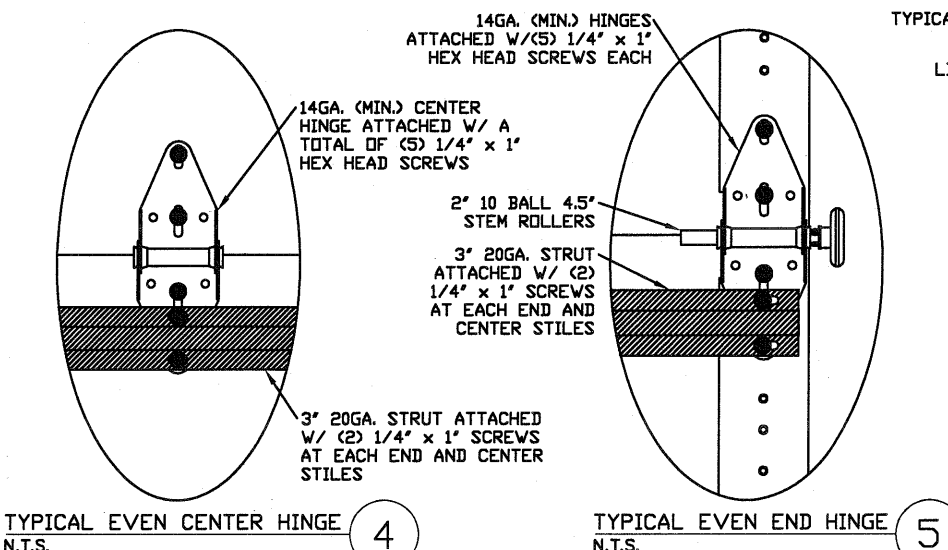
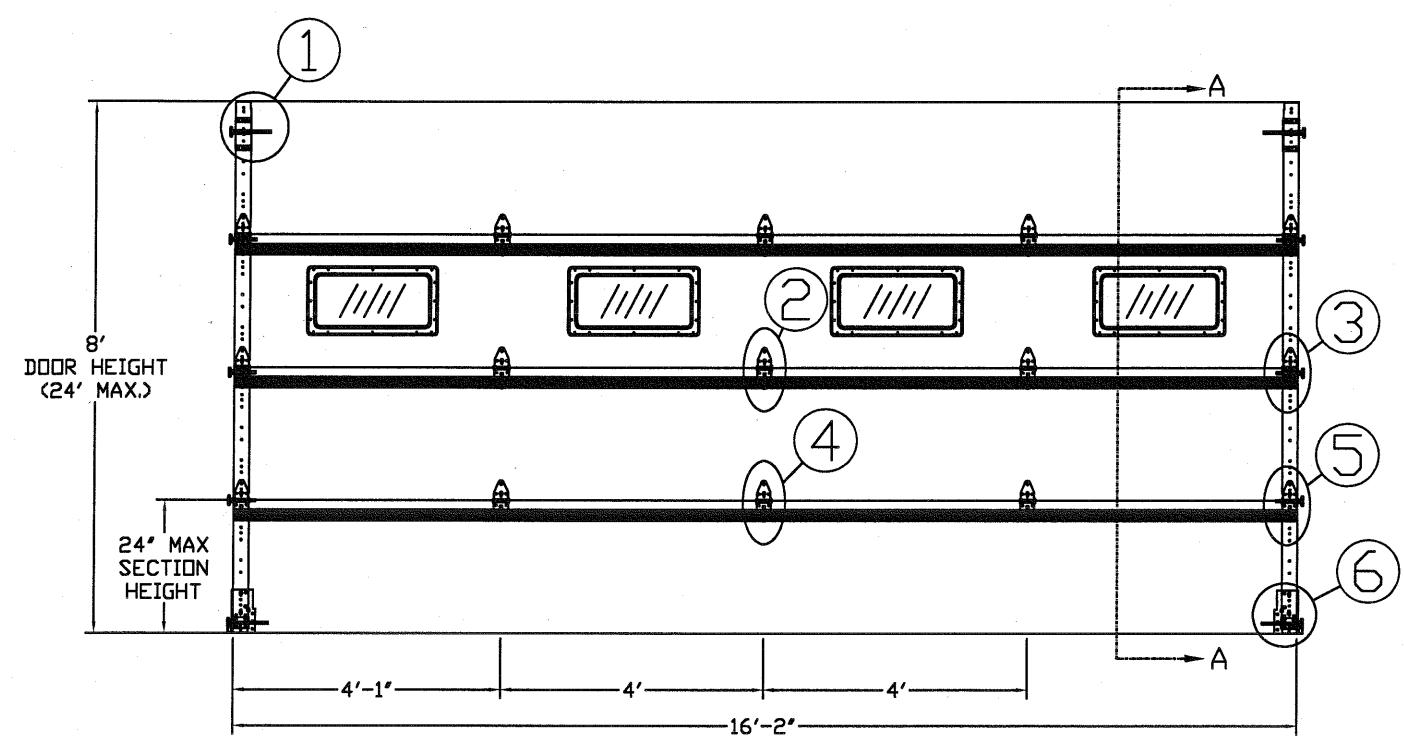
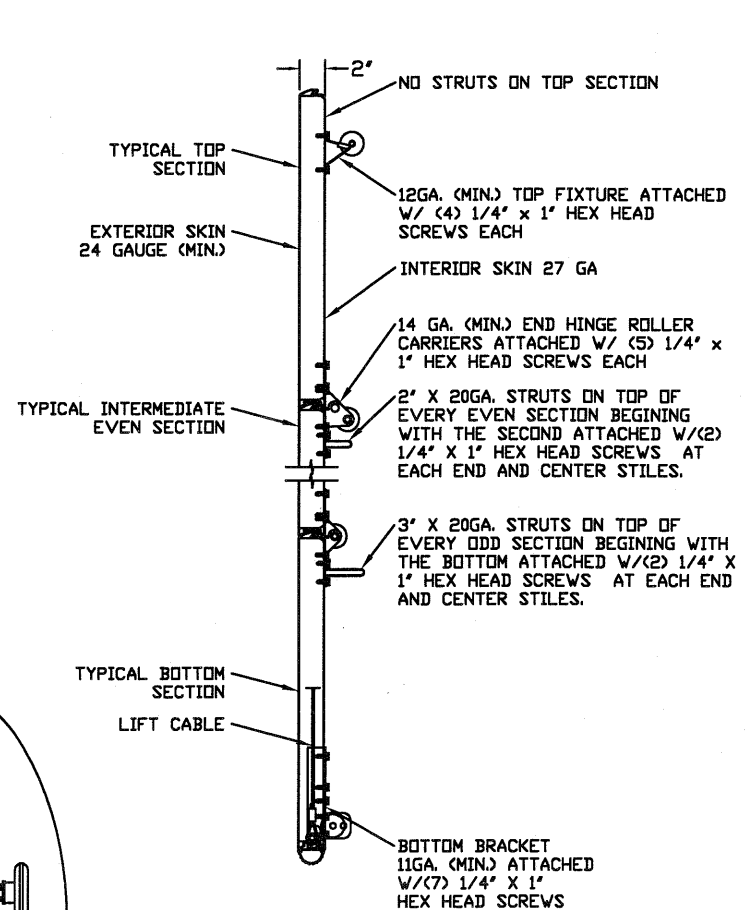
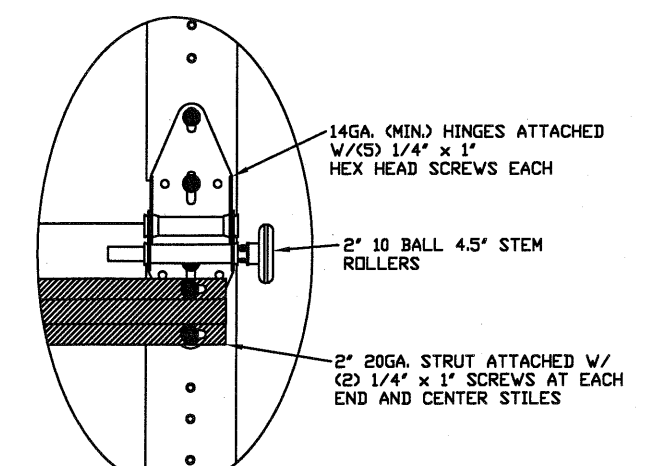
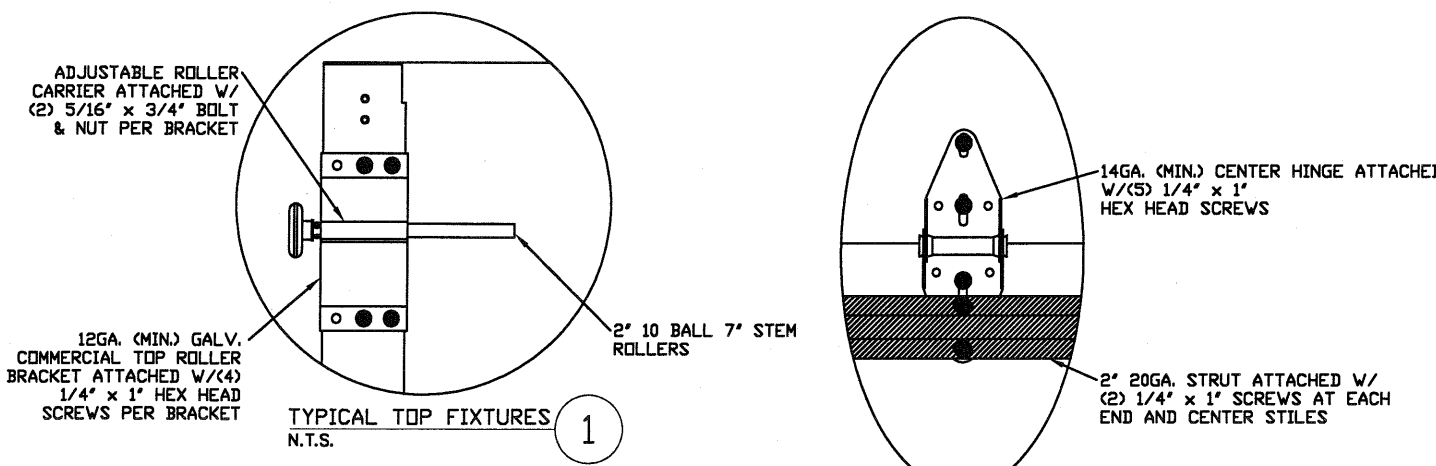




THE METHOD OF TESTING WAS IN SUBSTANTIAL CONFORMANCE WITH THE PROCEDURE DESCRIBED IN DASMA 108 AND ASTM E330. THE PRESSURES SHOWN ON THE DRAWINGS WERE CALCULATED USING ASCE 7-16 WITH THE FOLLOWING PARAMETERS (5 FEET OF DOOR WIDTH IN THE END ZONE, ROOF AT LESS THAN OR EQUAL TO 10 DEGREES SLOPE):

WIND SPEED (MPH)	135	122	116	111	107
EXPOSURE LEVEL	B	C	C	D	D
MEAN ROOF HEIGHT	30'	15'	25'	15'	25'

REV	DESCRIPTION OF REVISIONS	DATE	BY

MAX SIZE
16'2 x 24'

DESIGN LOADS
+15.0 PSF
-17.0 PSF

TEST LOADS
+22.5 PSF
-25.5 PSF

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

THOMAS L. SHELMERDINE
LICENSE
No. 48579
10/13/20
STATE OF FLORIDA
PROFESSIONAL ENGINEER
FL

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

Amarr

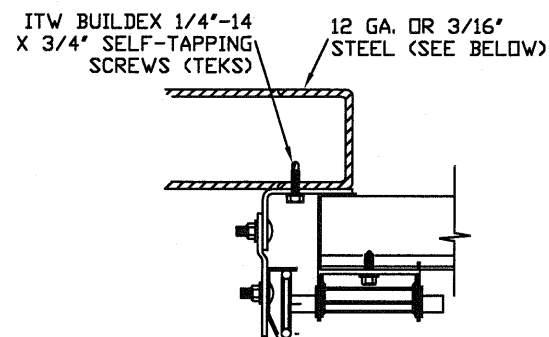
MODEL 1000 AMARR 2432

SIZE	DRAWN BY	DRD	DATE	6/15/18	DRAWING NUMBER
B	CHECKED BY	DLJ	DATE	3/18/19	IBC-1016-104-15

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

SHEET 1 OF 4

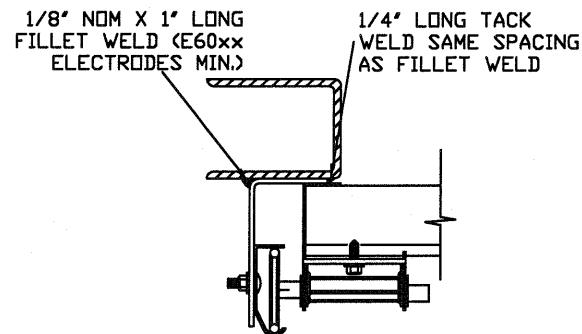
TRACK CONNECTION DIRECTLY TO STRUCTURE OPTIONS



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

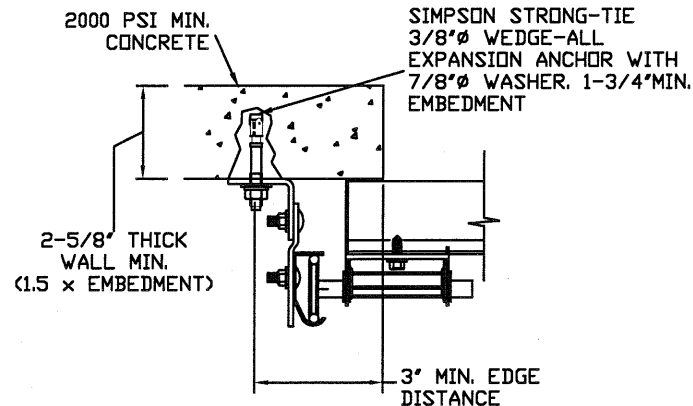
12 GA. STEEL FRAMING
232 LBS./SCREW ALLOWABLE LOAD - 6'
FROM ENDS AND 22" O.C.
REFER TO NOTES 1, 2 AND 5

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



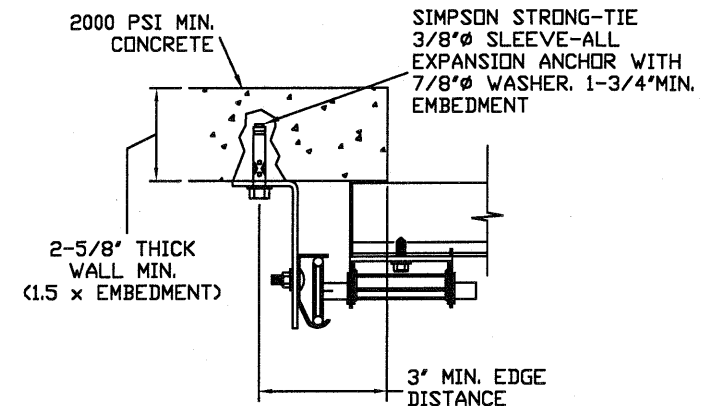
REVERSE ANGLE MOUNT SHOWN
BRACKET, CONTINUOUS AND
TAPERED ANGLE MOUNT AVAILABLE

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

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 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)

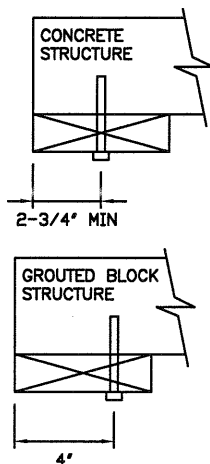
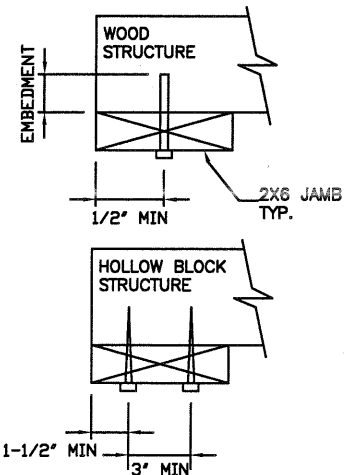
2 X 6 VERTICAL JAMB ATTACHMENT TO GROUTED C-90 BLOCK (2000 PSI GROUT)

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)

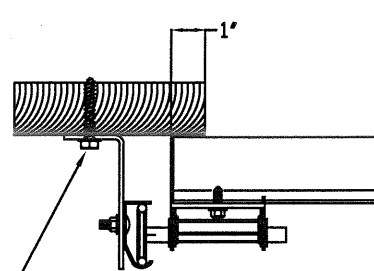
*LAGS AND BOLTS CAN BE COUNTERSUNK TO PROVIDE A FLUSH MOUNTING SURFACE.

*PREPARATION OF WOOD JAMBS BY OTHERS



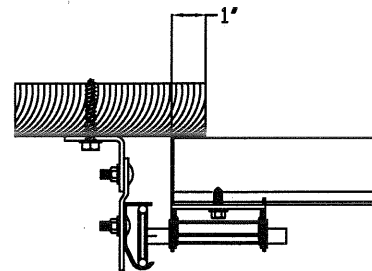
TRACK CONNECTION TO WOOD JAMB OPTIONS

FOR LAG SCREWS & BRACKET SPACING SEE TABLE 1 ON PAGE 4

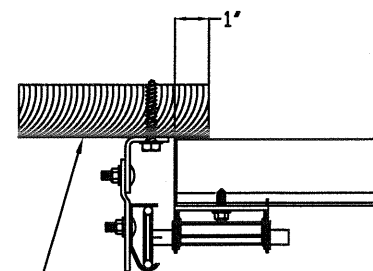


BRACKET MOUNT

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



CONTINUOUS ANGLE MOUNT



REVERSE ANGLE MOUNT

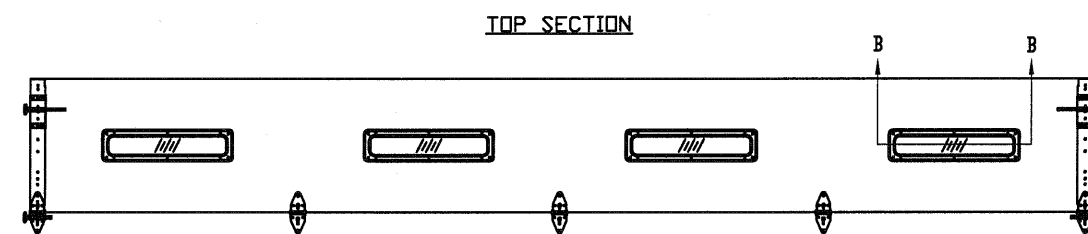
2x6 WOOD JAMB SYP OR SPF
(NO.2) OR BETTER (TYP.)

REV	DESCRIPTION OF REVISIONS	DATE	BY

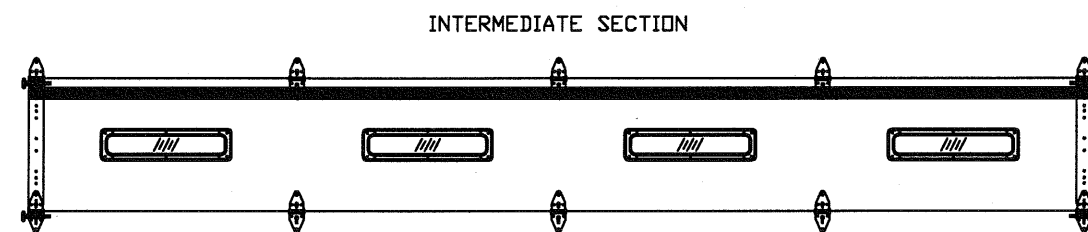
MAX SIZE 16'2" x 24' DESIGN LOADS +15.0 PSF -17.0 PSF TEST LOADS +22.5 PSF -25.5 PSF	Thomas L. Shelmerdine, PE (FL PE #0048579) Structural Solutions, PA (FL Firm #29412) FL		d/ba Structural Solutions of North Carolina, Inc. 5921 G.W. Fritchey Ave. Greensboro, NC 27410
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MODEL 1000 AMARR 2432

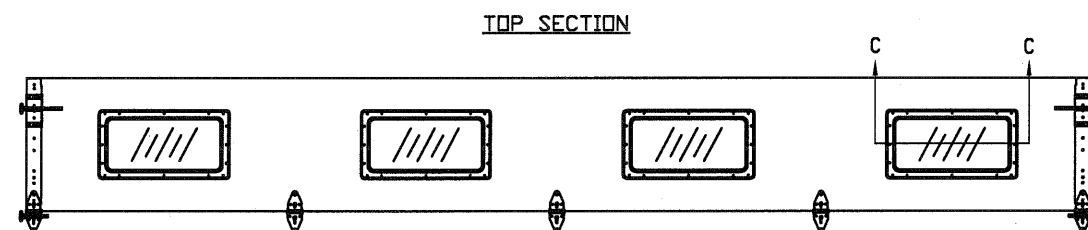
SIZE B	DRAWN BY	DRD	DATE	6/15/18	DRAWING NUMBER IBC-1016-104-15
	CHECKED BY	DLJ	DATE	3/18/19	
ENTREMATRIC 165 CARRIAGE COURT WINSTON-SALEM, N.C. 27105					SHEET 2 OF 4



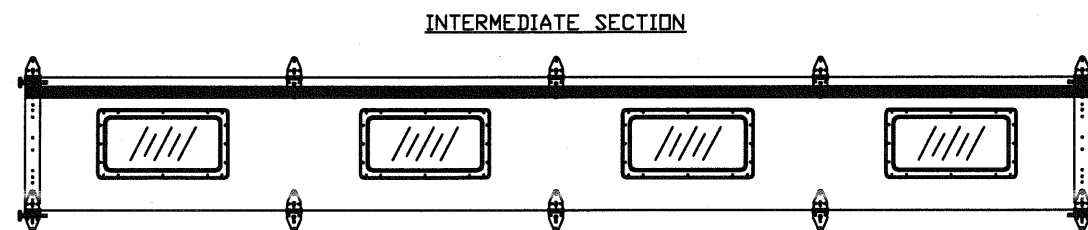
OPTIONAL GLAZED SECTION W/ 24' X 6' WINDOWS AND STRUT LAYOUT
N.T.S.



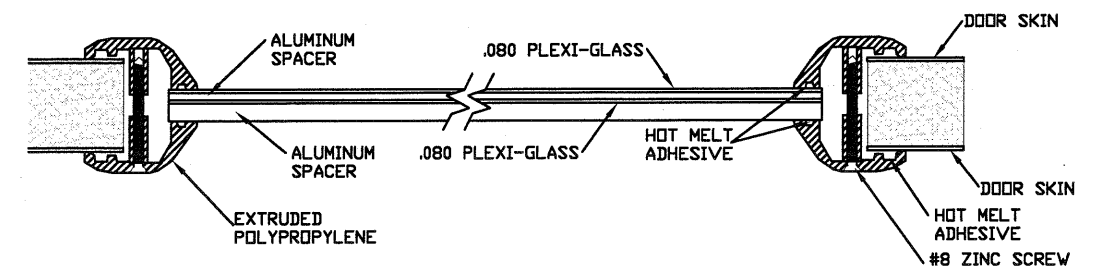
OPTIONAL GLAZED SECTION W/ 24' X 6 WINDOWS AND STRUT LAYOUT
N.T.S.



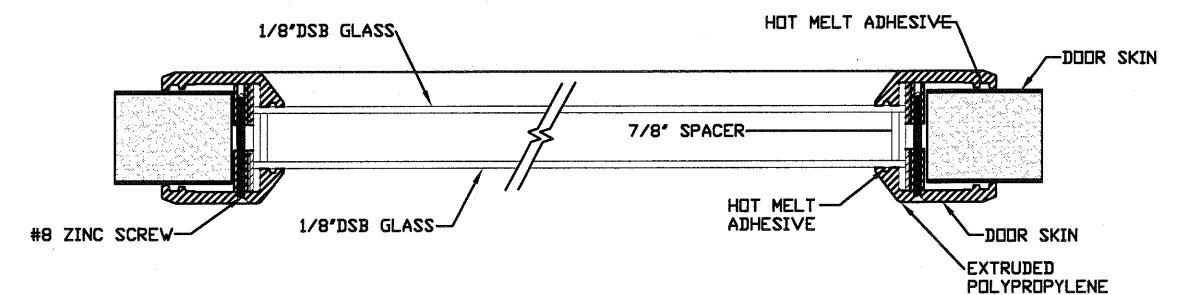
OPTIONAL GLAZED SECTION W/ 24" X 12" WINDOWS AND STRUT LAYOUT
N.T.S.



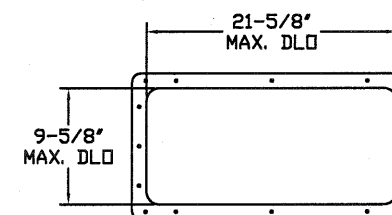
OPTIONAL GLAZED SECTION W/ 24' X 12' WINDOWS AND STRUT LAYOUT
N.T.S.



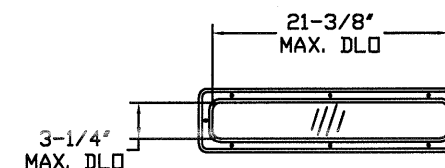
SECTION B-B 24' X 6' WINDOW DETAIL W/ .080 PLEXI-GLASS
N.T.S.



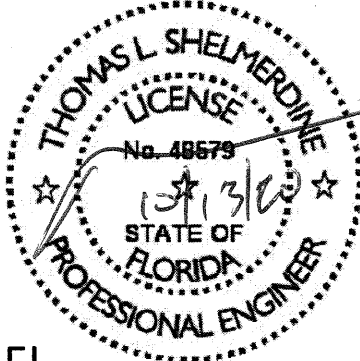
SECTION C-C 24' X 12' WINDOW DETAIL W/ 1-1/8' INSULATED GLASS
N.T.S.



24' X 12' DAY LIGHT OPENING AND FASTENER DETAIL
N.T.S.



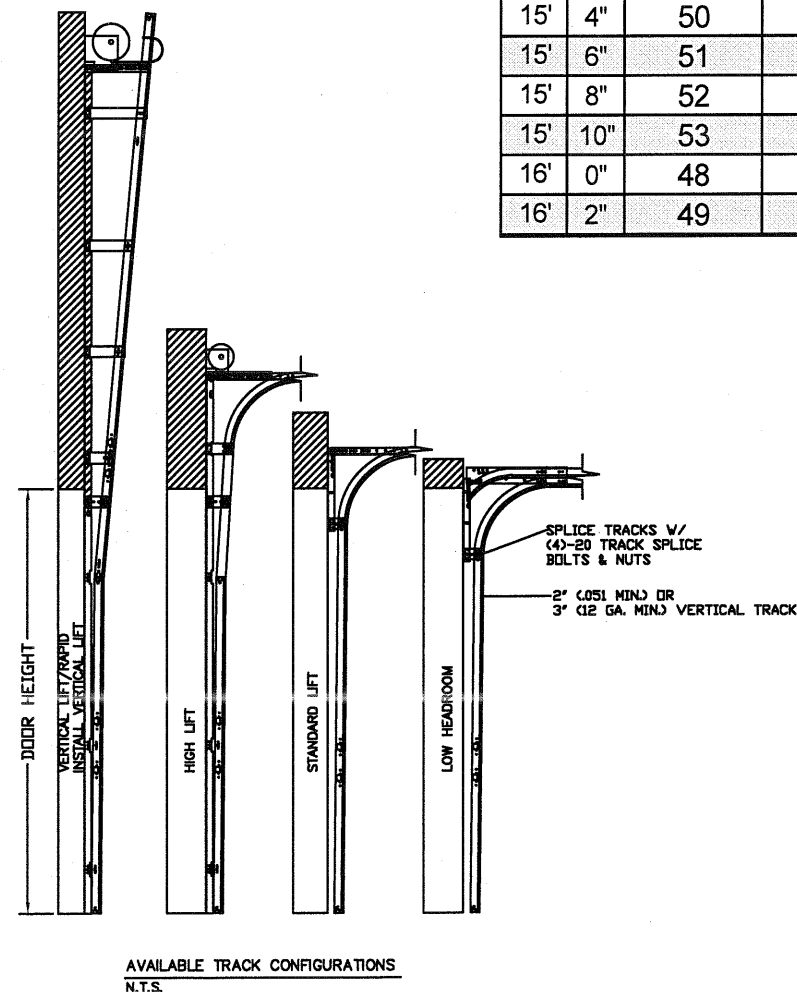
24' X 6' DAY LIGHT OPENING AND FASTENER DETAIL
N.T.S.

REV	DESCRIPTION OF REVISIONS	DATE	BY
MAX SIZE 16'2 x 24' DESIGN LOADS +15.0 PSF -17.0 PSF TEST LOADS +22.5 PSF -25.5 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 DRD	DATE 6/15/18	DRAWING NUMBER
B	CHECKED BY DLJ	DATE 3/18/19	IBC-1016-104-15
ENTREMATIC 165 CARRIAGE COURT WINSTON-SALEM, N.C. 27105			SHEET 3 OF 4

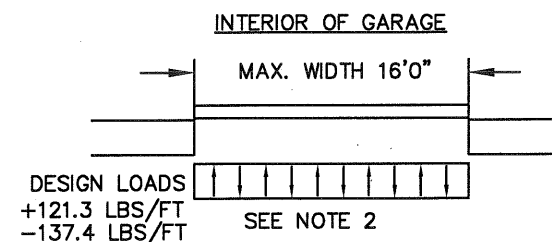
DOOR HEIGHT		TRACK ATTACHMENT												TYPICAL SPLICE
		A	B	C	D	E	F	G	H	I	J	K	L	
7'	0"	10.0"	34"	58"										76"
7'	6"	10.0"	34"	58"										82"
8'	0"	10.0"	34"	58"										88"
8'	6"	10.0"	34"	58"	82"									94"
9'	0"	10.0"	34"	58"	82"									100"
9'	6"	10.0"	34"	58"	82"									106"
10'	0"	10.0"	34"	58"	82"	106"								112"
11'	0"	10.0"	34"	58"	82"	106"								124"
12'	0"	10.0"	34"	58"	82"	106"	130"							136"
13'	0"	10.0"	34"	58"	82"	106"	130"							148"
14'	0"	10.0"	34"	58"	82"	106"	130"	154"						160"
15'	0"	10.0"	34"	58"	82"	106"	130"	154"						172"
16'	0"	10.0"	34"	58"	82"	106"	130"	154"	178"					184"
17'	0"	10.0"	34"	58"	82"	106"	130"	154"	178"					196"
18'	0"	10.0"	34"	58"	82"	106"	130"	154"	178"	202"				208"
19'	0"	10.0"	34"	58"	82"	106"	130"	154"	178"	202"				220"
20'	0"	10.0"	34"	58"	82"	106"	130"	154"	178"	202"	226"			232"
21'	0"	10.0"	34"	58"	82"	106"	130"	154"	178"	202"	226"			244"
22'	0"	10.0"	34"	58"	82"	106"	130"	154"	178"	202"	226"	250"		256"
23'	0"	10.0"	34"	58"	82"	106"	130"	154"	178"	202"	226"	250"		268"
24'	0"	10.0"	34"	58"	82"	106"	130"	154"	178"	202"	226"	250"	274"	280"

TABLE 3

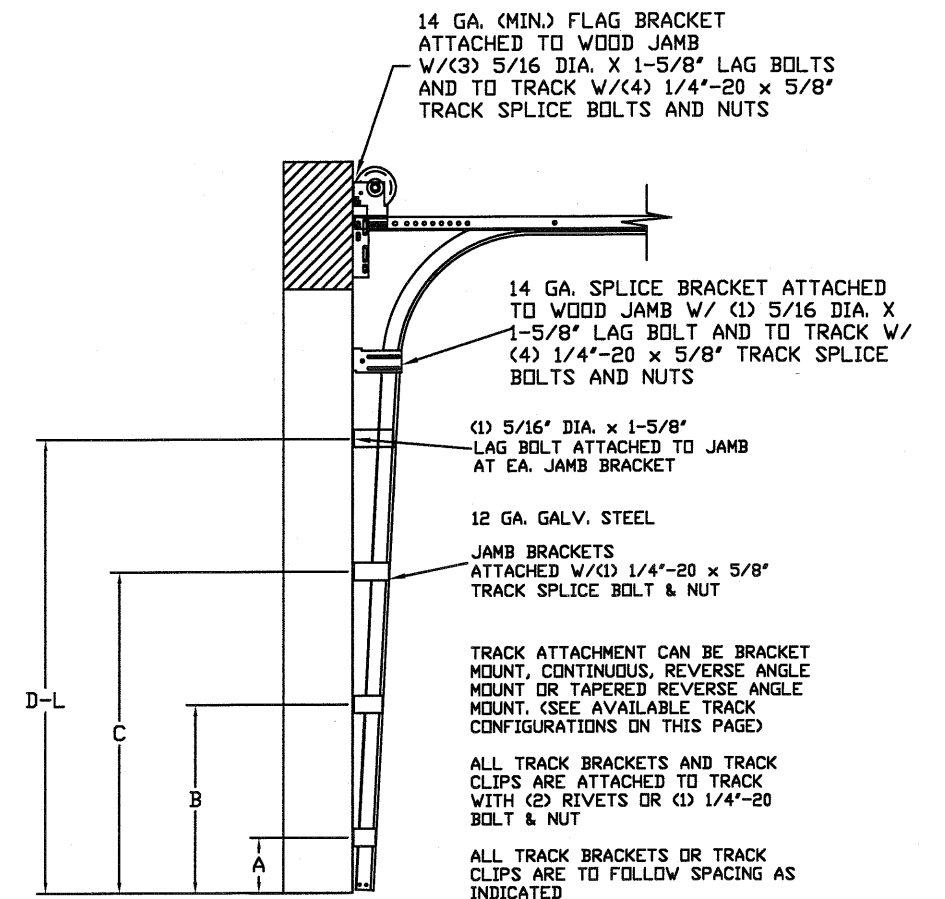
SECTION	STRUT SIZE
TOP	NONE
11TH	3"
10TH	2"
9TH	3"
8TH	2"
7TH	3"
6TH	2"
5TH	3"
4TH	2"
3RD	3"
2ND	2"
BOTTOM	3"



Section Width (ft)		Center Stile Locations (Measured from Left Edge)			Max Design Loads Allowed	
		1st (in)	2nd (in)	3rd (in)	Positive (PSF)	Negative (PSF)
12'	4"	50	98	-	14.7	16.7
12'	6"	51	99	-	14.6	16.6
12'	8"	52	100	-	14.4	16.4
12'	10"	53	101	-	14.3	16.2
13'	0"	36	78	120	17.2	19.5
13'	2"	37	79	121	17.2	19.5
13'	4"	38	80	122	17.2	19.5
13'	6"	39	81	123	17.2	19.5
13'	8"	40	82	124	17.2	19.5
13'	10"	41	83	125	17.2	19.5
14'	0"	42	84	126	17.2	19.5
14'	2"	43	85	127	17.0	19.3
14'	4"	44	86	128	16.8	19.0
14'	6"	45	87	129	16.6	18.8
14'	8"	46	88	130	16.4	18.6
14'	10"	47	89	131	16.2	18.4
15'	0"	48	90	132	16.0	18.2
15'	2"	49	91	133	15.9	18.0
15'	4"	50	92	134	15.7	17.8
15'	6"	51	93	135	15.5	17.6
15'	8"	52	94	136	15.4	17.4
15'	10"	53	95	137	15.2	17.2
16'	0"	48	96	144	15.0	17.0
16'	2"	49	97	145	15.0	17.0



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:
+121.3 LBS/FT & -137.4 LBS/FT
3. DOOR AND HARDWARE WILL BE DESIGNED, MANUFACTURED AND INSTALLED WITH STANDARDS AS SET FORTH BY DASMA.
4. DOOR SECTIONS SHALL BE 24 GA. (.022) 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.



TRACK CONFIGURATION FOR UP TO 24' TALL DOORS
SEE TABLE 1

REV	DESCRIPTION OF REVISIONS	DATE	BY

MAX SIZE 16'2 x 24' DESIGN LOADS +15.0 PSF -17.0 PSF TEST LOADS +22.5 PSF -25.5 PSF	Thomas L. Shelmerdine, PE (FL PE #00048579) Structural Solutions, PA (FL Firm #29412) FL		dba Structural Solutions of North Carolina, Inc. 5921-G W. Friendly Ave., Greensboro, NC 27410
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MODEL 1000 AMARR 2432			
SIZE	DRAWN BY	DRO	DATE 6/15/18
B	CHECKED BY	DLJ	DATE 3/18/19
ENTREMATIC 165 CARRIAGE COURT WINSTON-SALEM, NC. 27105			DRAWING NUMBER IEC-1016-104-15 SHEET 4 OF 4