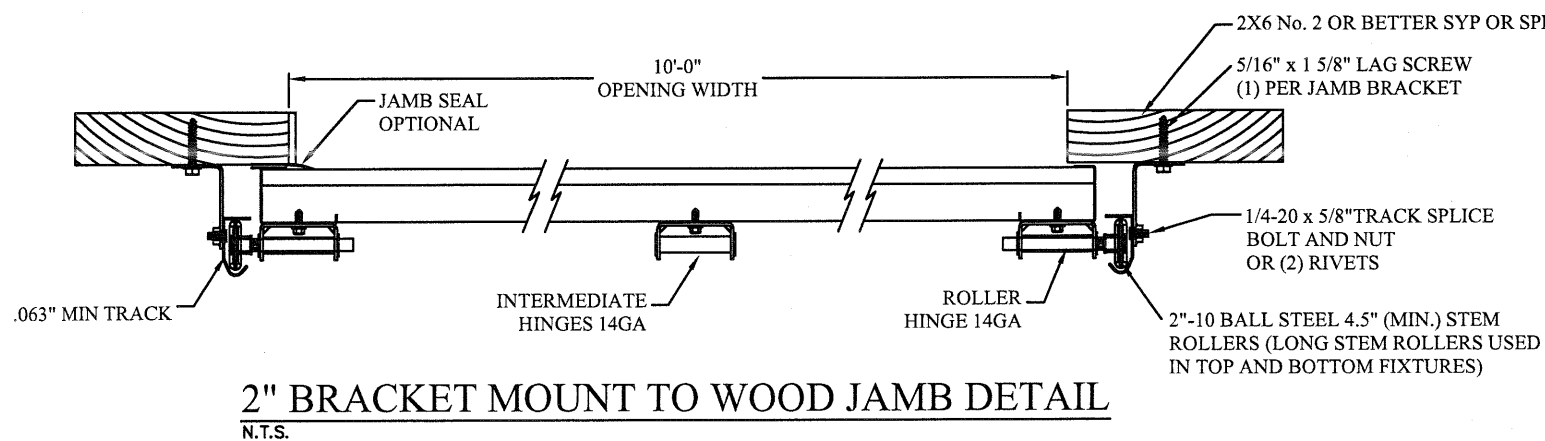
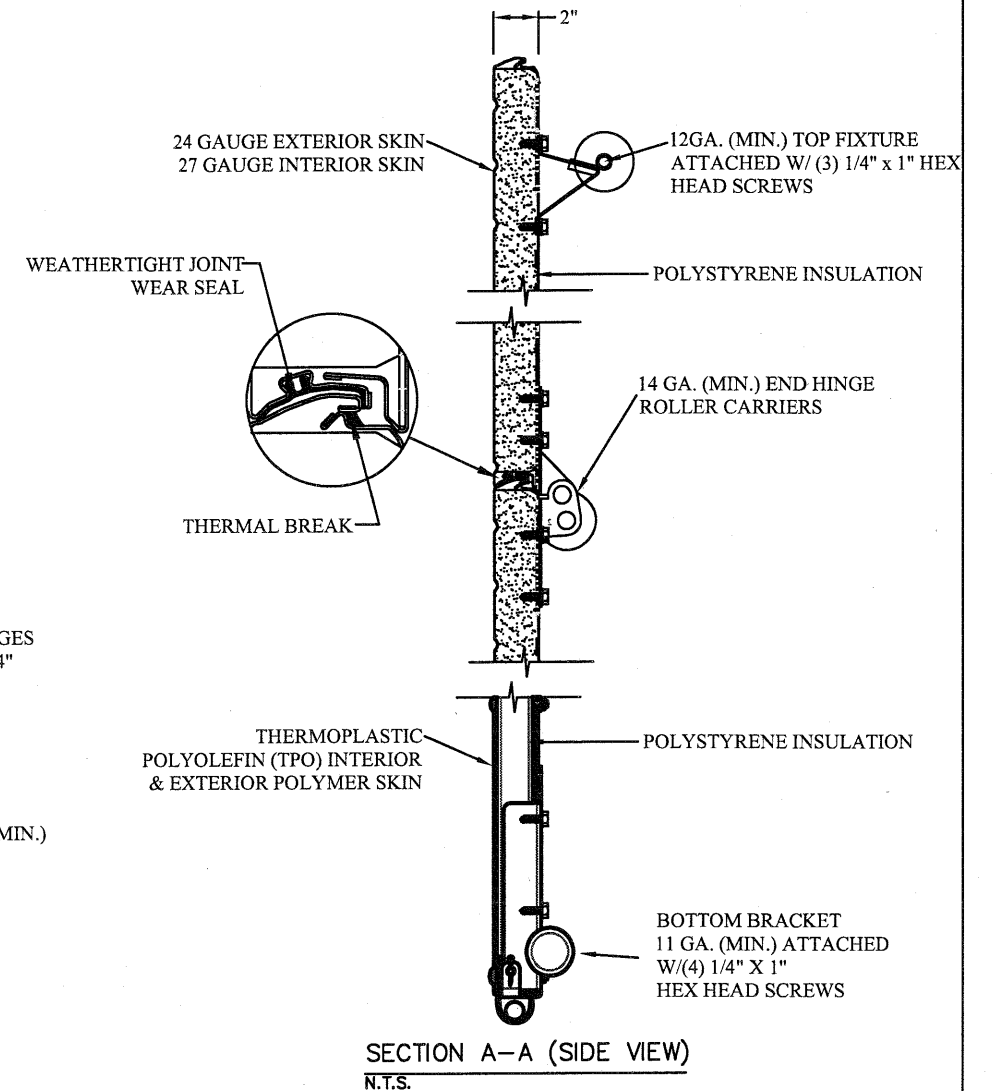
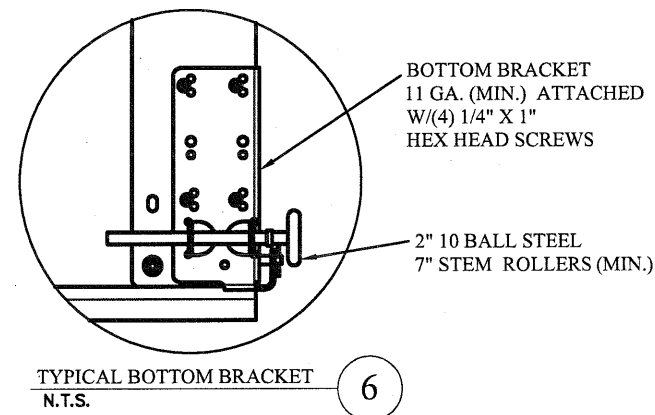
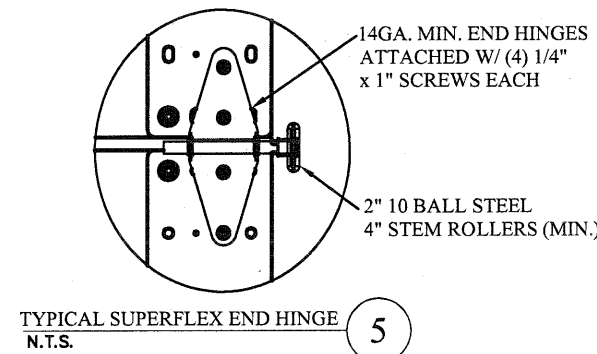
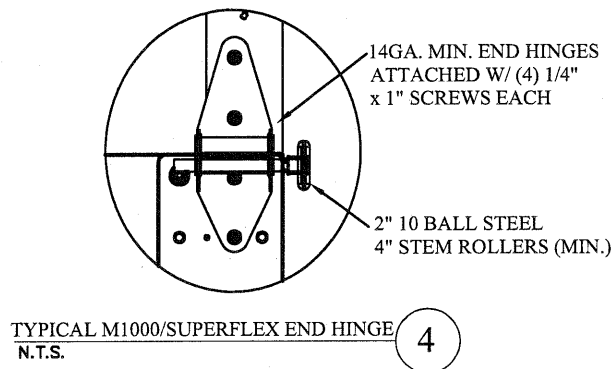
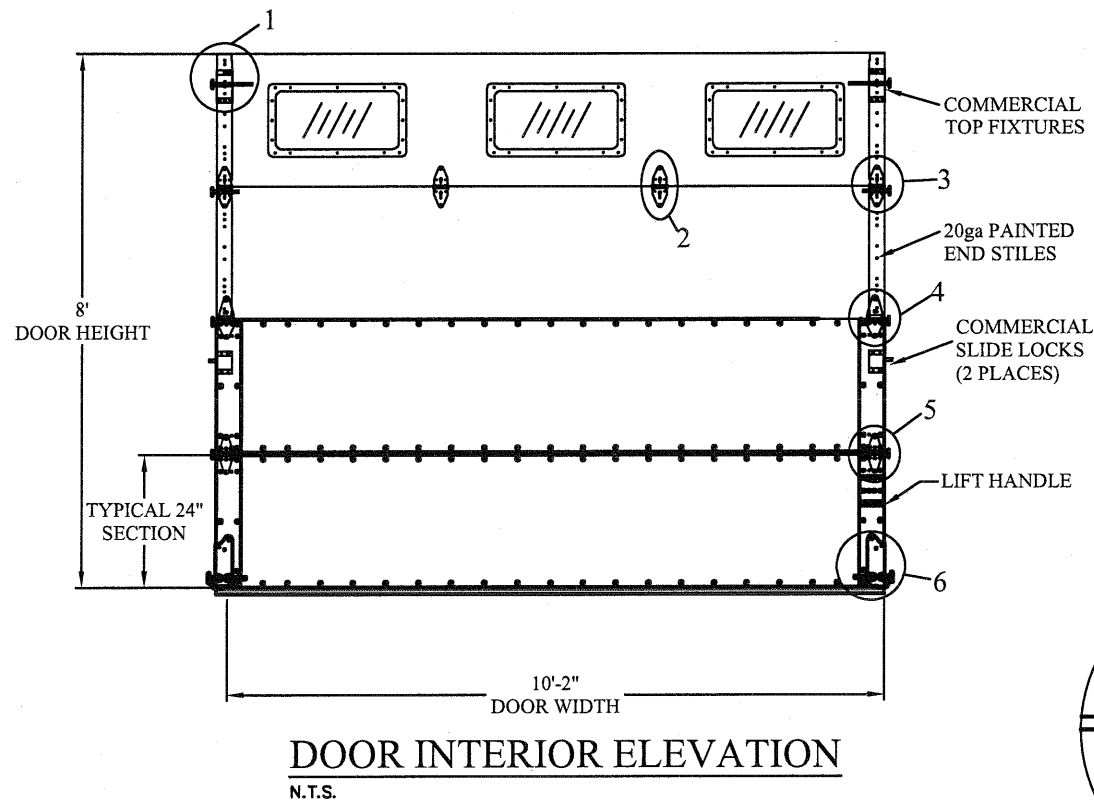
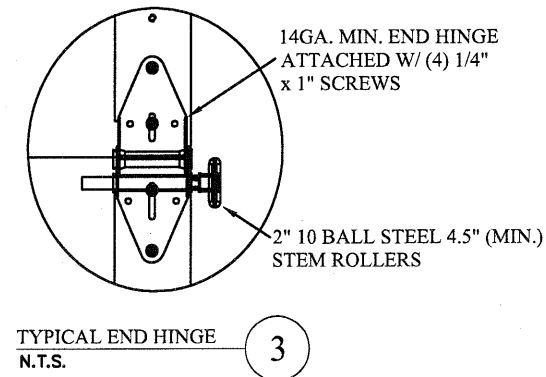
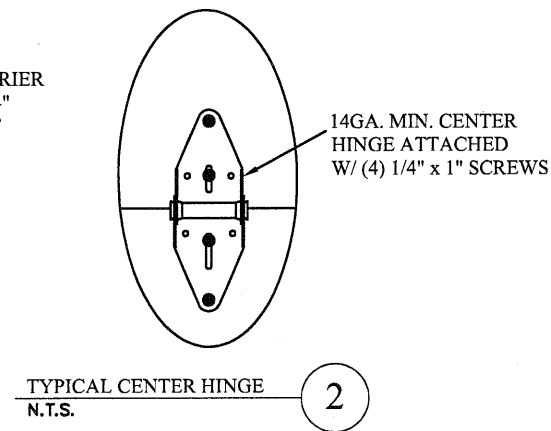
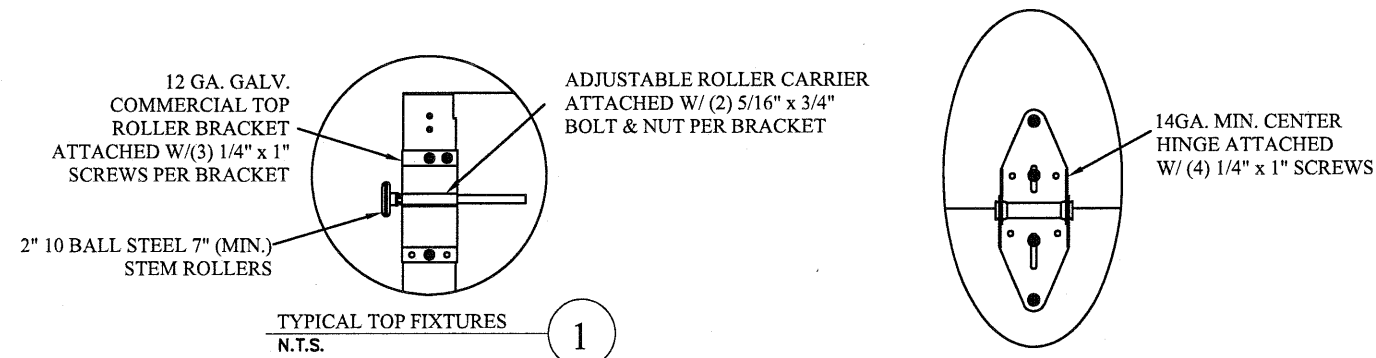




THE METHOD OF TESTING WAS IN SUBSTANTIAL CONFORMANCE WITH THE PROCEDURES DESCRIBED IN DASMA 108. THE PRESSURES SHOWN ON THE DRAWINGS WERE CALCULATED USING ASCE 7-16 WITH THE FOLLOWING PARAMETERS (5 FEET OF DOOR WIDTH IN END ZONE, ROOF SLOPE 10' OR LESS):

WIND SPEED (MPH)	149	135	128	123	118
EXPOSURE LEVEL	B	C	C	D	D
MEAN ROOF HEIGHT	30'	15'	25'	15'	25'

REV	DESCRIPTION OF REVISIONS	DATE	BY

MAX SIZE, 10'2" x 24'

DESIGN LOADS
+20.5 PSF
-22.0 PSF

TEST LOADS
+30.7 PSF
-33.0 PSF

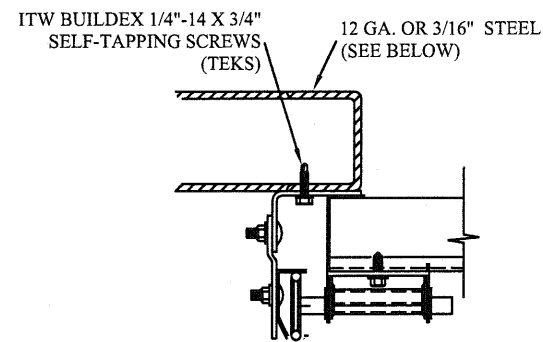
Thomas L. Shelmerdine, PE (FL PE #0048579)
Structural Solutions, PA (FL Firm #29412)

FL

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

MODEL 1000/SUPERFLEX AMARR 2432/SUPERFLEX			
SIZE	DRAWN BY	DATE	DRAWING NUMBER
B	RLR	6/6/19	IBC-1010-115-00-S
CHECKED BY			ENTREMATIC
RLR			165 CARRIAGE COURT WINSTON-SALEM, N.C. 27103
			SHEET 1 OF 4

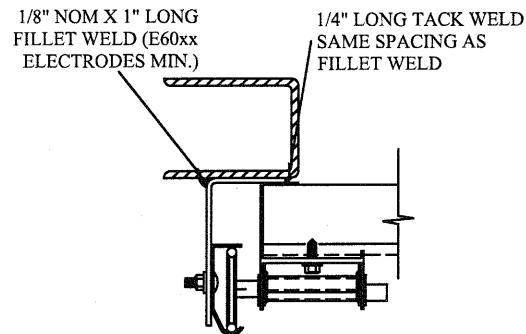
TRACK CONNECTION DIRECTLY TO STRUCTURE OPTIONS



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

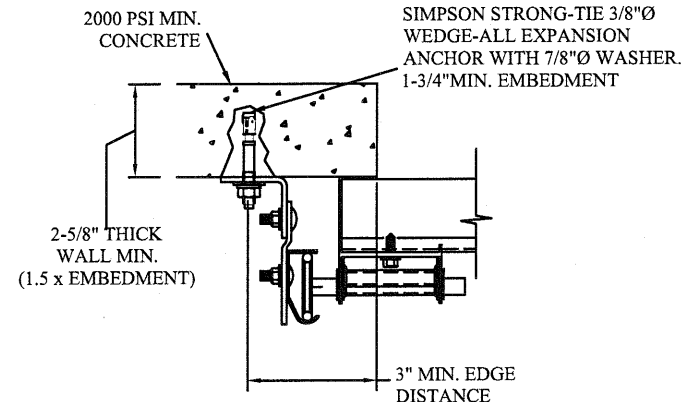
12 GA. STEEL FRAMING
232 LBS./SCREW ALLOWABLE LOAD - 6" FROM ENDS
AND 24" O.C.
REFER TO NOTES: 1, 2 AND 5

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



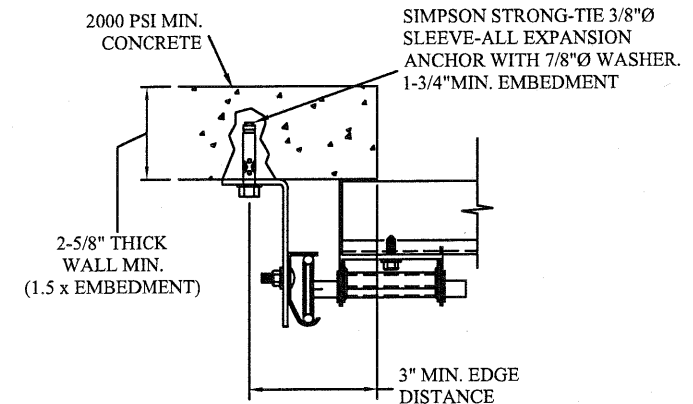
REVERSE ANGLE MOUNT SHOWN
BRACKET, CONTINUOUS AND TAPERED
ANGLE MOUNT AVAILABLE

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

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:
+104.2 LBS/FT & -111.8 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. (.021) 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.

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

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)

USE PAIRS OF FASTENERS (3 APA
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)

USE PAIRS OF FASTENERS (3" APART) AT 24" O.C. (1 1/4" EMBEDMENT)
3 X 6 VERTICAL JAMB ATTACHMENT TO GROUTED C-80 BLOCK (2000 PSI GROUT)

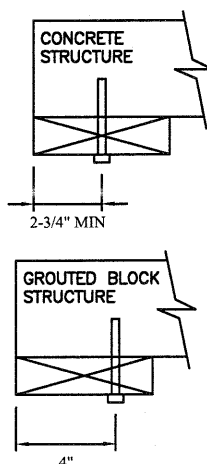
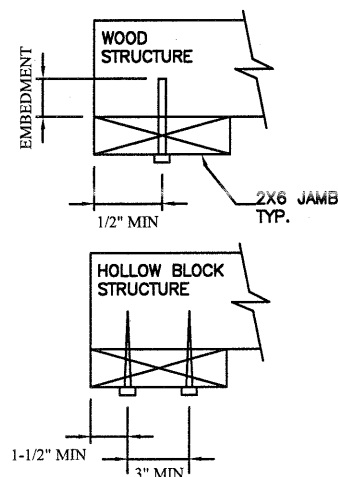
2 X 6 VERTICAL JAMB ATTACHMENT TO GROUTED C=90 BLOCK
MULTI SLEEVE ANCHOR 3/8" X 2-3/4" STARTING 6" FROM ENDS

HILT SLEEVE ANCHOR 3/8" X 2-3/4"
THEN 34" O.C. (1 1/4" EMBEDMENT)

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

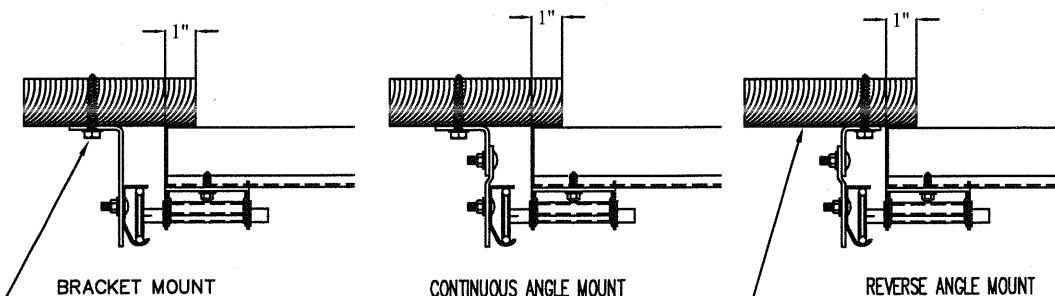
*LAGS AND BOLTS CAN BE COUNTERSUNK TO PROVIDE A FLUSH MOUNTING SURFACE

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



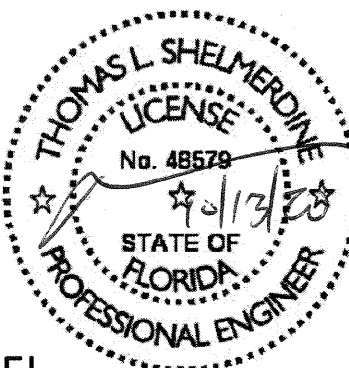
TRACK CONNECTION TO WOOD JAMB OPTIONS

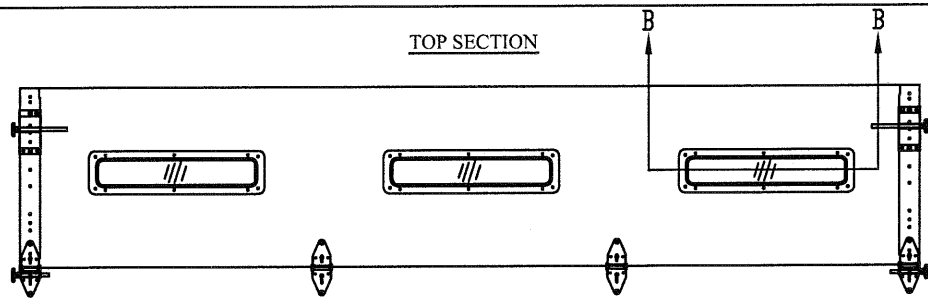
FOR LAG SCREWS & BRACKET SPACING SEE PAGE 4 FOR TRACK CONFIGURATION DETAIL



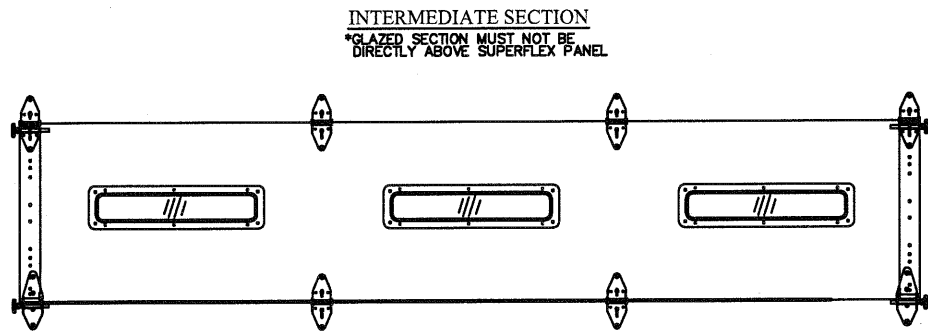
5/16" x 1 5/8" LAG SCREW (1) PER
JAMB BRACKET (1-1/2" EMBEDMENT
MINIMUM) (TYP.)

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

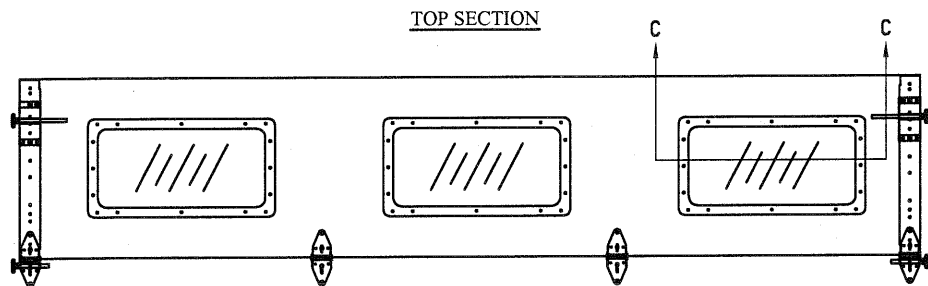
REV	DESCRIPTION OF REVISIONS	DATE	BY
MAX SIZE 10'2" x 24' DESIGN LOADS +20.5 PSF -22.0 PSF TEST LOADS +30.7 PSF -33.0 PSF		Thomas L. Shelmerdine, PE (FL PE #0048579) Structural Solutions, PA (FL Firm #29412) FL  dba Structural Solutions of North Carolina, Inc. 5921-G W. Friendly Ave., Greensboro, NC 27410	
			
MODEL 1000/SUPERFLEX AMARR 2432/SUPERFLEX			
SIZE	DRAWN BY	RLR	DATE 6/6/19
B	CHECKED BY	RLR	DATE 6/6/19
ENTREMATIC			DRAWING NUMBER
165 CARRIAGE COURT WINSTON-SALEM, NC 27103			IBC-1010-115-00-S
SHEET 2 OF 4			



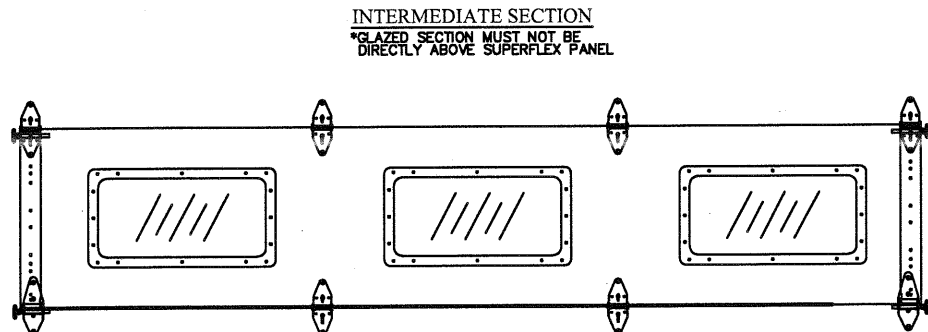
OPTIONAL GLAZED SECTION W/ 24" X 6" WINDOWS
N.T.S.



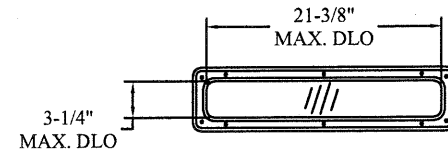
OPTIONAL GLAZED SECTION W/ 24" X 6" WINDOWS
N.T.S.



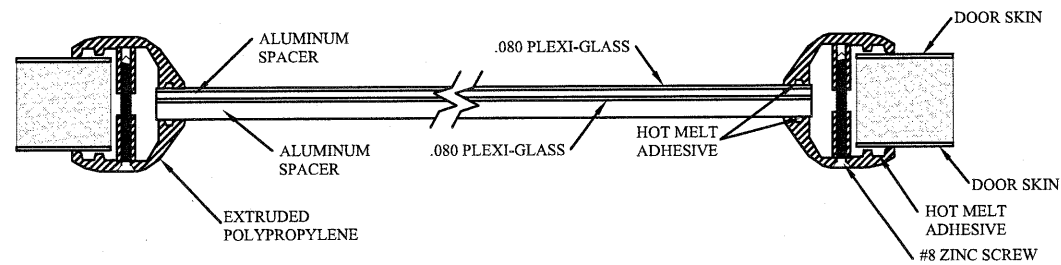
OPTIONAL GLAZED SECTION W/ 24" X 12" WINDOWS
N.T.S.



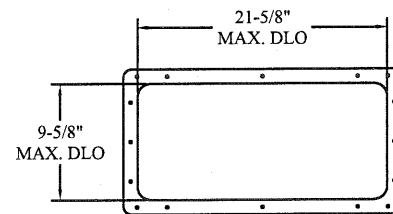
OPTIONAL GLAZED SECTION W/ 24" X 12" WINDOWS
N.T.S.



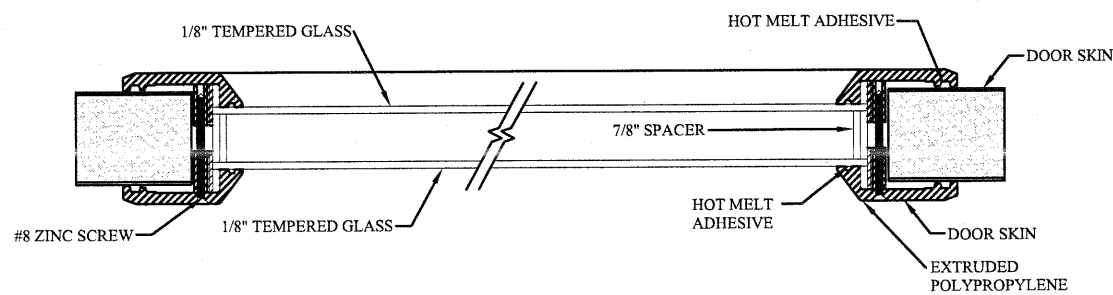
24" X 6" DAY LIGHT OPENING AND FASTENER DETAIL
N.T.S.



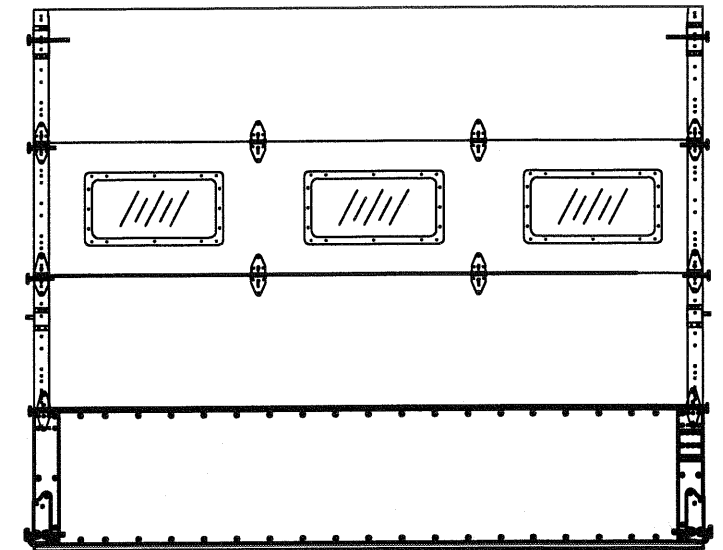
SECTION B-B 24" X 6" WINDOW DETAIL W/ .080 PLEXI-GLASS
N.T.S.



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



SECTION C-C 24" X 12" WINDOW DETAIL W/ 1-1/8" INSULATED GLASS
N.T.S.

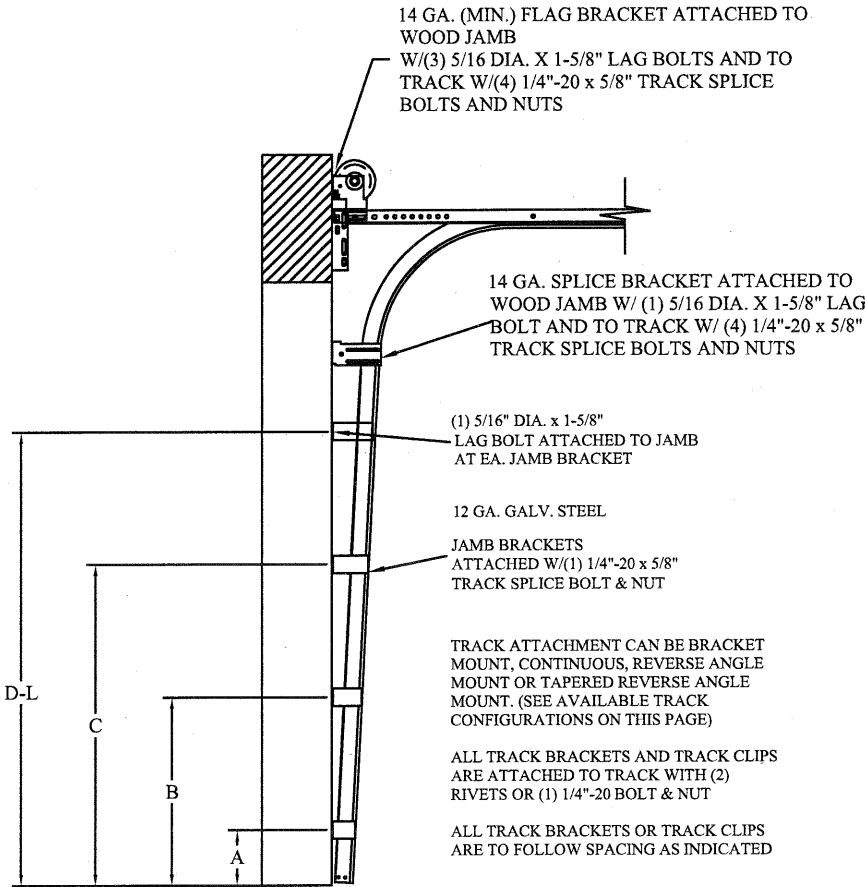


OPTIONAL SINGLE SUPERFLEX SECTION
N.T.S.

REV	DESCRIPTION OF REVISIONS	DATE	BY
MAX SIZE, 10'2 x 24' DESIGN LOADS +20.5 PSF -22.0 PSF TEST LOADS +30.7 PSF -33.0 PSF Thomas L. Shelmerdine, PE (FL PE #0048579) Structural Solutions, PA (FL Firm #29412) THOMAS L. SHELMERDINE LICENSE No. 48579 187/13/20 STATE OF FLORIDA PROFESSIONAL ENGINEER FL Amarr MODEL 1000/SUPERFLEX AMARR 2432/SUPERFLEX SIZE B DRAWN BY RJR CHECKED BY RJR DATE 6/6/19 DATE 6/6/19 DRAWING NUMBER IBC-1010-115-00-S ENTREMATICA 165 CARRIAGE COURT WINSTON-SALEM, N.C. 27105 SHEET 3 OF 4			

TABLE 1

Section Width (ft)	Center Stile Locations		Max Design Loads Allowed	
	1st (in)	2nd (in)	Positive (PSF)	Negative (PSF)
6' 0"	36"	-	23.0	24.7
6' 2"	37"	-	22.4	24.0
6' 4"	38"	-	21.8	23.4
6' 6"	39"	-	21.2	22.8
6' 8"	40"	-	20.7	22.2
6' 10"	41"	-	20.2	21.7
7' 0"	42"	-	19.7	21.2
7' 2"	43"	-	19.3	20.7
7' 4"	44"	-	18.8	20.2
7' 6"	45"	-	18.4	19.8
7' 8"	46"	-	18.0	19.3
7' 10"	47"	-	17.6	18.9
8' 0"	48"	-	17.2	18.5
8' 2"	49"	-	16.9	18.1
8' 4"	50"	-	16.6	17.8
8' 6"	51"	-	16.2	17.4
8' 8"	52"	-	15.9	17.1
8' 10"	53"	-	15.6	16.8
9' 0"	54"	-	15.3	16.5
9' 2"	55"	-	15.0	16.2
9' 4"	36"	76"	21.7	23.3
9' 6"	37"	77"	21.4	23.0
9' 8"	38"	78"	21.1	22.7
9' 10"	39"	79"	20.9	22.4
10' 0"	40"	80"	20.6	22.1
10' 2"	41"	81"	20.5	22.0

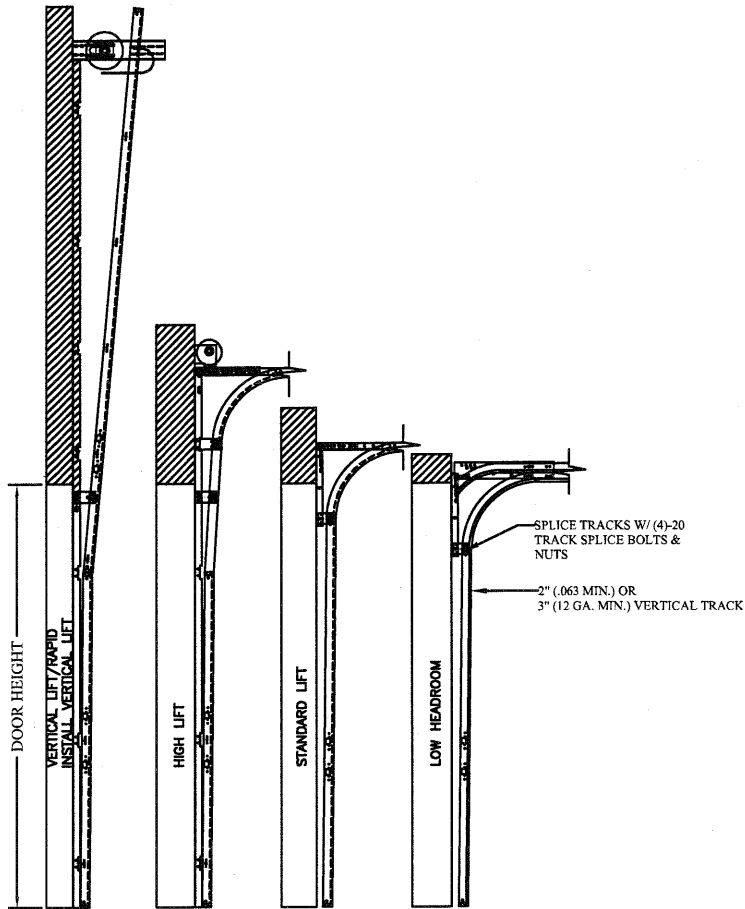


TRACK CONFIGURATION FOR UP TO 24' TALL DOORS
SEE TABLE 2

TABLE 2

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"

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



AVAILABLE TRACK CONFIGURATIONS
N.T.S.

REV	DESCRIPTION OF REVISIONS	DATE	BY

MAX SIZE, 10'2 x 24'

DESIGN LOADS
+20.5 PSF
-22.0 PSF

TEST LOADS
+30.7 PSF
-33.0 PSF

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

THOMAS L. SHELMERDINE

LICENSE

No. 48579

10/12/20

STATE OF FLORIDA

PROFESSIONAL ENGINEER

FL

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

Amarr

MODEL 1000/SUPERFLEX
AMARR 2432/SUPERFLEX

SIZE	DRAWN BY	RLR	DATE	6/6/19	DRAWING NUMBER
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ENTREMATIC					SHEET 4 OF 4
165 CARRIAGE COURT WINSTON-SALEM, N.C. 27109					