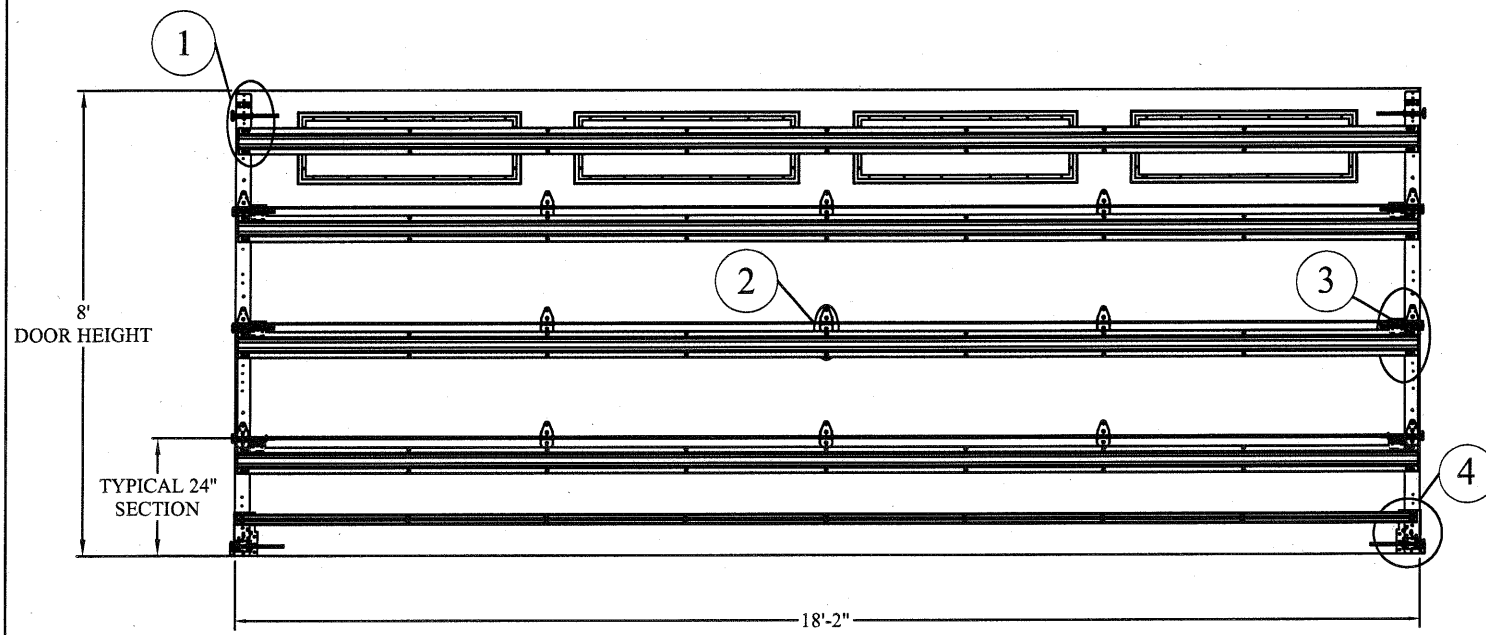
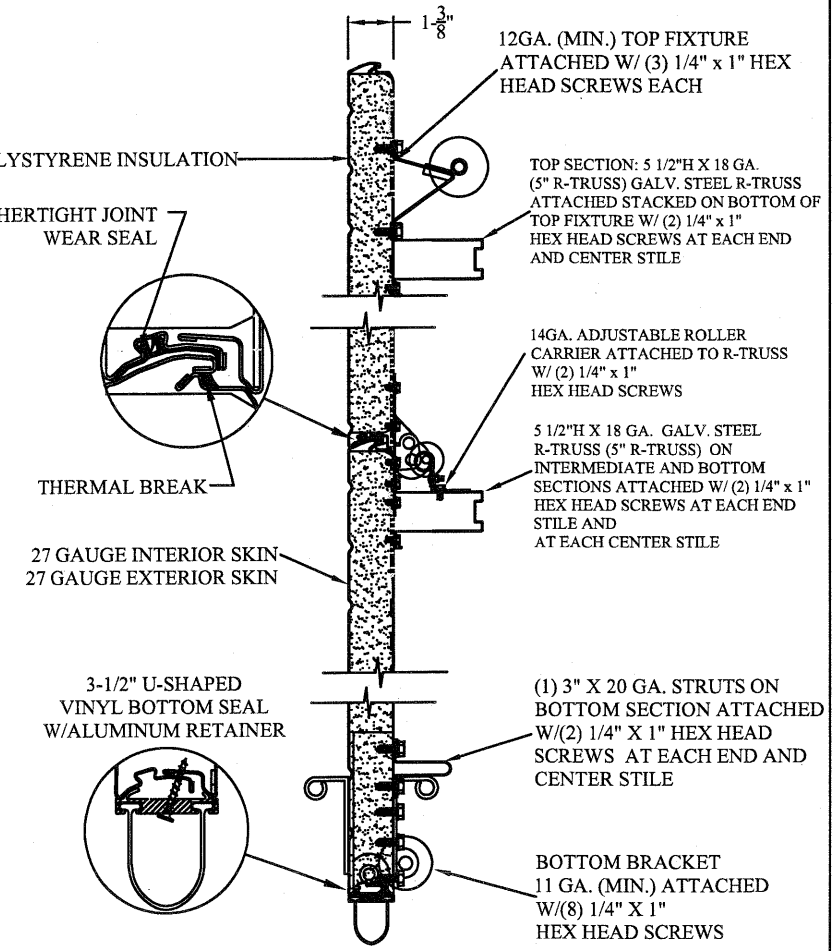
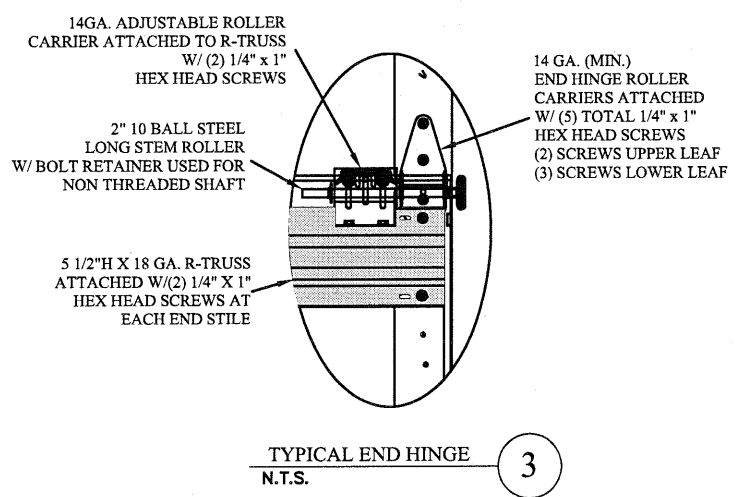
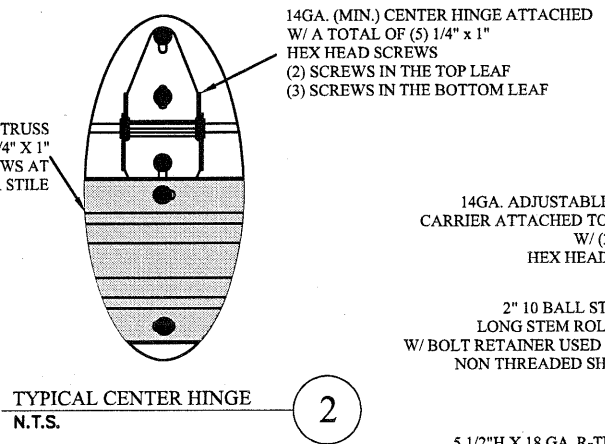
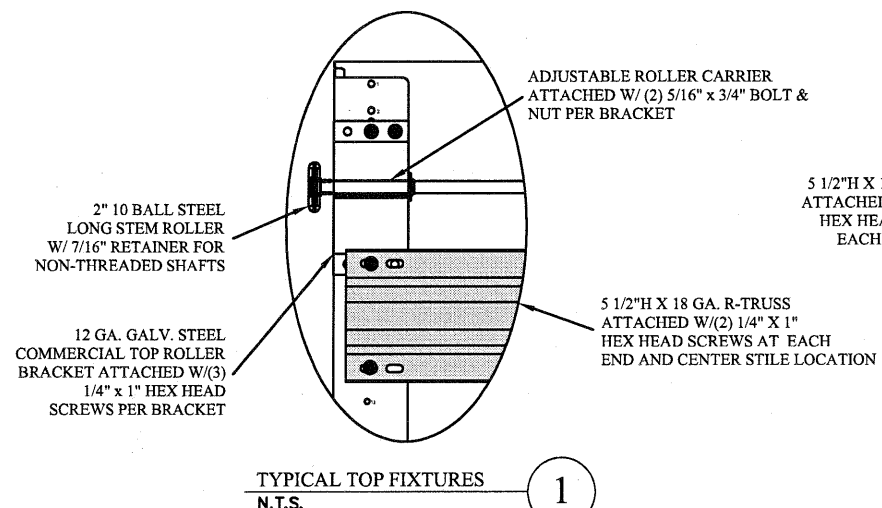
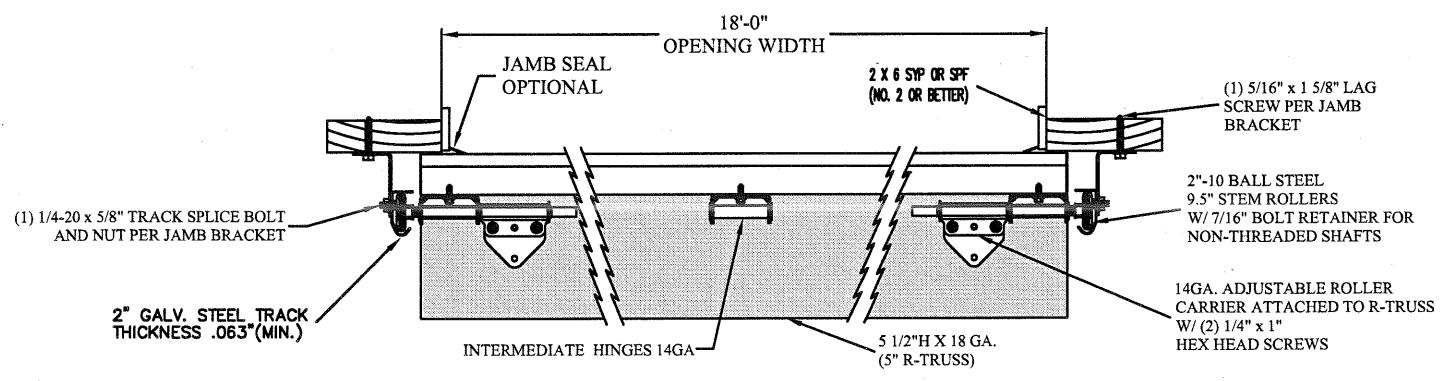
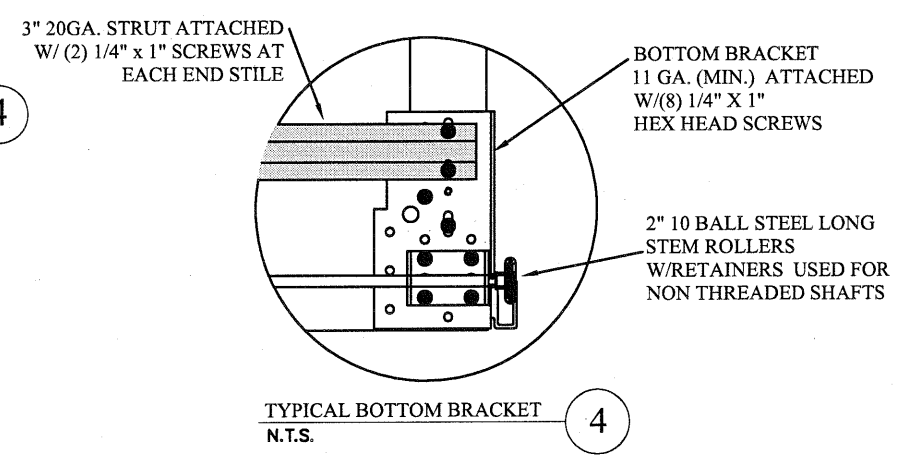




DOOR INTERIOR ELEVATION
N.T.S.



2" BRACKET MOUNT TO WOOD JAMB 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 7-16 WITH THE FOLLOWING PARAMETERS (5 FEET OF DOOR WIDTH IN END ZONE, ROOF SLOPE 10° OR LESS):

WIND SPEED (MPH)	175	159	151	144	138
EXPOSURE LEVEL	B	C	C	D	D
MEAN ROOF HEIGHT	30'	15'	25'	15'	25'

REV	DESCRIPTION OF REVISIONS	DATE	BY

MAX SIZE
18'2" x 14'

DESIGN LOADS
+25.1 PSF
-28.4 PSF

TEST LOADS
+37.7 PSF
-42.6 PSF

Thomas L. Shelmerdine, PE (FL PE #0048579)
Structural Solutions, PA (FL Firm #294112)

FL

Thomas L. Shelmerdine
LICENSE
No. 48579
STATE OF FLORIDA
PROFESSIONAL ENGINEER

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

Amarr

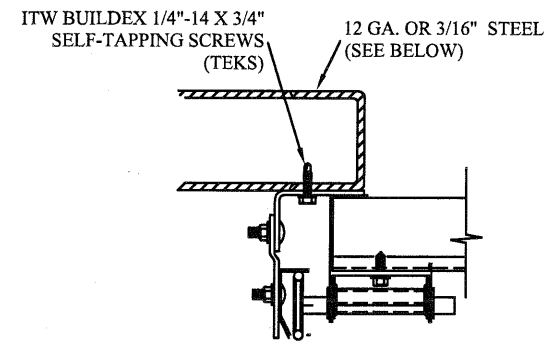
MODEL 1380 AMARR 2731
MODEL 1700 AMARR 2732
MODEL 1000 AMARR 2432

SIZE B	DRAWN BY RLR	DATE 12/08/14	DRAWING NUMBER IBC-1818-136-26
	CHECKED BY RLR	DATE 12/08/14	

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

SHEET 1 OF 4

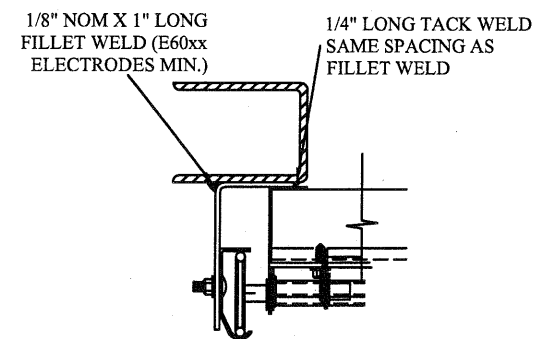
TRACK CONNECTION DIRECTLY TO STRUCTURE OPTIONS



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

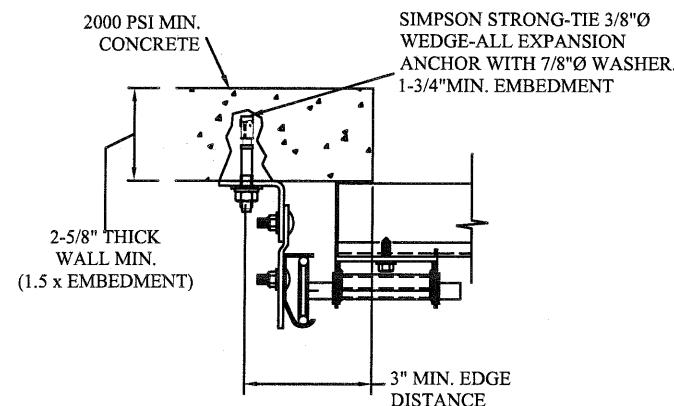
12 GA. STEEL FRAMING
232 LBS./SCREW ALLOWABLE LOAD - 6" FROM ENDS
AND 12" O.C.
REFER TO NOTES: 1, 2 AND 5

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



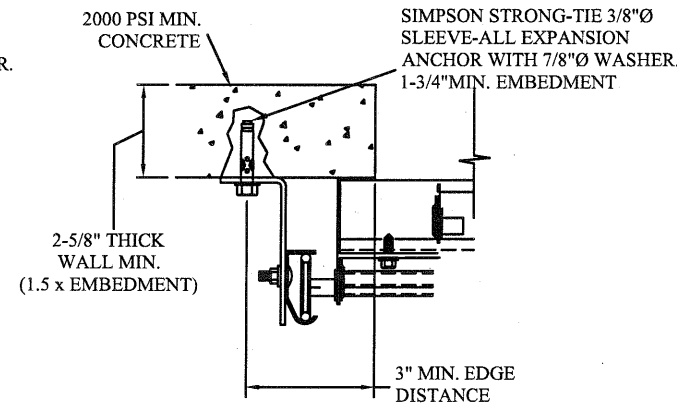
REVERSE ANGLE MOUNT SHOWN
BRACKET, CONTINUOUS AND TAPERED
ANGLE MOUNT AVAILABLE

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 18" O.C.
REFER TO NOTES: 1, 2, 3, 4 AND 5

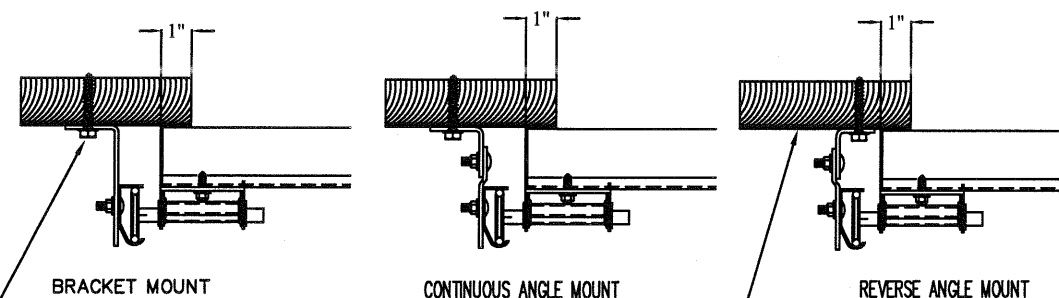


CONTINUOUS ANGLE MOUNT SHOWN
BRACKET, CONTINUOUS AND TAPERED ANGLE
MOUNT AVAILABLE

2000 PSI CONCRETE OR GREATER
336 LBS./EXPANSION ANCHOR ALLOWABLE LOAD - 6"
FROM ENDS AND 16" O.C.
REFER TO NOTES: 1, 2, 3, 4 AND 5

TRACK CONNECTION TO WOOD JAMB OPTIONS

FOR LAG SCREWS & BRACKET SPACING SEE 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.)

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 20" 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 18" 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

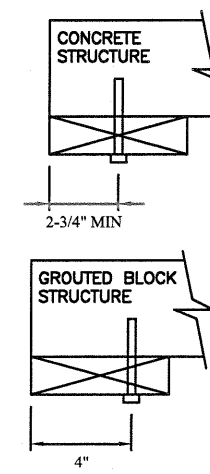
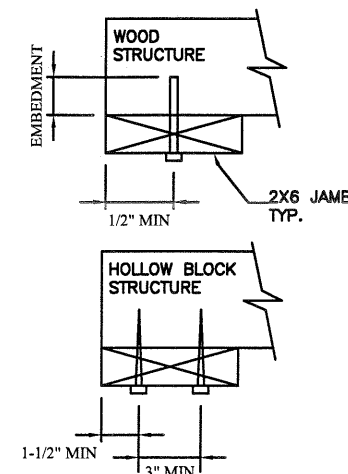
SIMPSON 1/4" X 3" TITEN SCREWS STARTING 6" FROM ENDS,
USE PAIRS OF FASTENERS (3" APART)
AT 8" O.C. (1 1/2" EMBEDMENT)

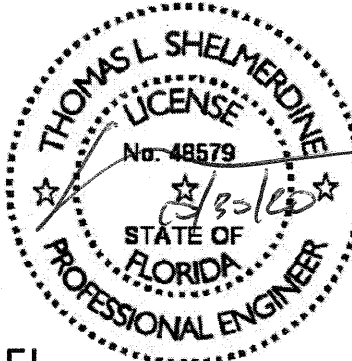
HILTI 1/4" X 2-3/4" KWIK-CON II+ SCREWS STARTING 6" FROM ENDS,
USE PAIRS OF FASTENERS (3" APART) AT 8" O.C. (1 1/4" EMBEDMENT)

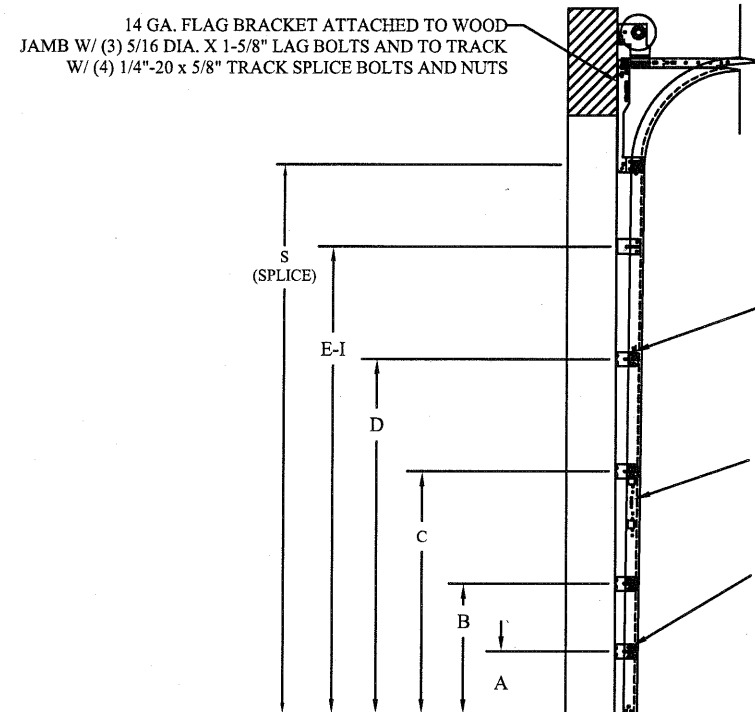
2 X 6 VERTICAL JAMB ATTACHMENT TO GROUTED C-90 BLOCK (2000 PSI GROUT)
HILTI SLEEVE ANCHOR 3/8" X 2-3/4" STARTING 6" FROM ENDS

THEN 22" 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

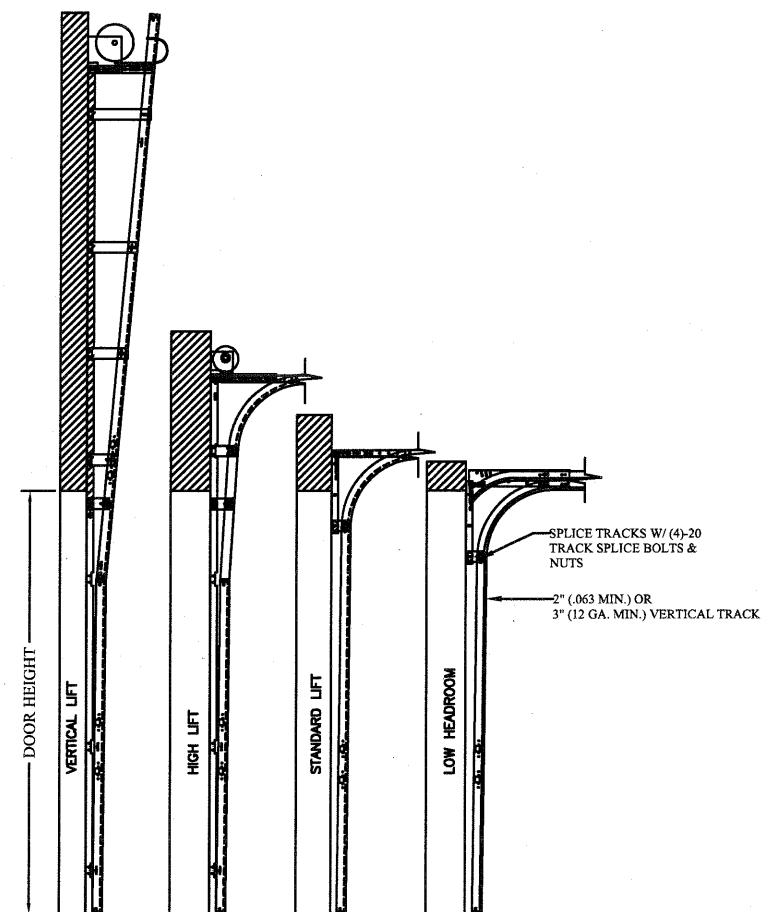


REV	DESCRIPTION OF REVISIONS	DATE	BY
MAX SIZE 18'2 x 14' DESIGN LOADS +25.1 PSF -28.4 PSF TEST LOADS +37.7 PSF -42.6 PSF	Thomas L. Shelmerdine, PE (FL PE #0048579) Structural Solutions, PA (FL Firm #29412) FL  dba Structural Solutions of North Carolina, Inc. 5921-G W. Friendly Ave., Greensboro, NC 27410		
			
MODEL 1380 AMARR 2731 MODEL 1700 AMARR 2732 MODEL 1000 AMARR 2432			
SIZE	DRAWN BY	RLR	DATE 12/08/14
B	CHICKED BY	RLR	DATE 12/08/14
ENTREMATIC 165 CARRIAGE COURT WINSTON-SALEM, NC 27105			
IBC-1818-136-26 SHEET 2 OF 4			



TRACK CONFIGURATION FOR 8' TALL DOORS
N.T.S.

SEE TABLE 2 FOR TRACK ATTACHMENT SPACING



AVAILABLE TRACK CONFIGURATIONS
N.T.S.

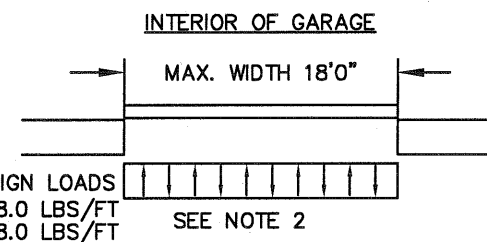
TABLE 2

DOOR HEIGHT		TRACK ATTACHMENT									TYPICAL SPLICE
		A	B	C	D	E	F	G	H	I	
7'	0"	10.0"	21"	39"	57"						76"
7'	6"	10.0"	21"	39"	57"	75"					82"
8'	0"	10.0"	21"	39"	57"	75"					88"
9'	0"	10.0"	21"	39"	57"	75"	93"				100"
9'	6"	10.0"	21"	39"	57"	75"	93"				106"
10'	0"	10.0"	21"	39"	57"	75"	93"				112"
11'	0"	10.0"	21"	39"	57"	75"	93"	111"			124"
12'	0"	10.0"	21"	39"	57"	75"	93"	111"	129"		136"
13'	0"	10.0"	21"	39"	57"	75"	93"	111"	129"		148"
14'	0"	10.0"	21"	39"	57"	75"	93"	111"	129"	147"	160"

ALL TRACK ATTACHMENT SPACING $\pm 1.5"$ ALLOWED WITH
SPF OR SYP NO. 2 OR BETTER ONLY

TABLE 1

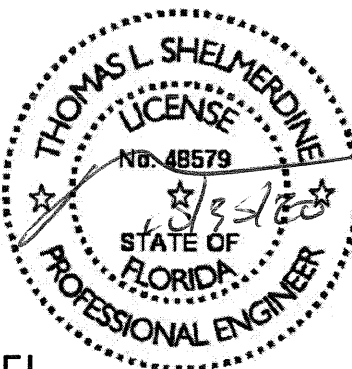
Section Width (ft)	Center Stile Locations (Measured from Left Edge)			Max Design Loads Allowed	
	1st (in)	2nd (in)	3rd (in)	Positive (PSF)	Negative (PSF)
16' 4"	52.168	98.000	143.834	27.7	31.4
16' 6"	51.340	99.000	146.660	27.4	31.1
16' 8"	52.200	100.000	147.800	27.2	30.8
16' 10"	53.200	101.000	148.800	26.9	30.4
17' 0"	54.200	102.000	149.800	26.6	30.1
17' 2"	55.2	103.0	150.8	26.4	29.9
17' 4"	56.200	104.000	151.800	26.1	29.6
17' 6"	57.200	105.000	152.800	25.9	29.3
17' 8"	55.800	106.000	156.200	25.6	29.0
17' 10"	56.250	107.000	157.750	25.4	28.7
18' 0"	57.800	108.000	158.200	25.2	28.5
18' 2"	57.3	109.0	160.7	25.1	28.4



SPECIFICATIONS AND NOTES

- 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.
- EACH VERTICAL JAMBS RECEIVES MAXIMUM DESIGN LOADS OF: +228.0 LBS/FT & -258.0 LBS/FT
- DOOR AND HARDWARE WILL BE DESIGNED, MANUFACTURED AND INSTALLED WITH STANDARDS AS SET FORTH BY DASMA.
- DOOR SECTIONS SHALL BE 27 GA. (.015) MIN. EXTERIOR SKIN ROLLED FORMED, W/ BAKED ON POLYESTER FINISH
- DOORS UP TO 14'0" HIGH HAVE (1) 5.5" 18GA R-TRUSS PER SECTION AND (1) 3" 20GA STRUT ON THE BOTTOM SECTION
- SUPPORTING STRUCTURAL ELEMENTS SHALL BE DESIGNED BY A REGISTERED PROFESSIONAL ENGINEER FOR WIND LOADS INDICATED ON THIS DRAWING IN ADDITION TO OTHER LOADINGS.

DESCRIPTION OF REVISIONS			DATE	BY

MAX SIZE 18'2 x 14'	DESIGN LOADS +25.1 PSF -28.4 PSF	TEST LOADS +37.7 PSF -42.6 PSF		Thomas L. Shelmerdine, PE (FL PE #0048579) Structural Solutions, PA (FL Firm #29412)	FL	

MODEL 1380 AMARR 2731					
MODEL 1700 AMARR 2732					
MODEL 1000 AMARR 2432					

SIZE	DRAWN BY	RLR	DATE 12/08/14	DRAWING NUMBER	
B	CHECKED BY	RLR	DATE 12/08/14	IBC-1818-136-26	

ENTREMATIC 165 CARRIAGE COURT WINSTON-SALEM, N.C. 27105				SHEET 3 OF 4	
--	--	--	--	--------------	--

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

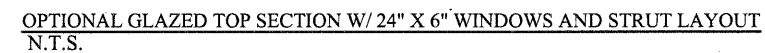
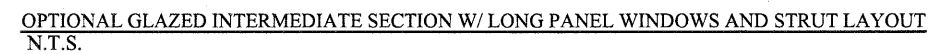
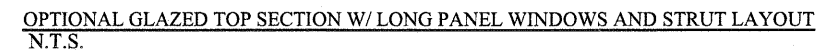
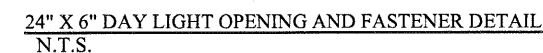
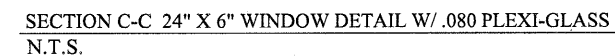
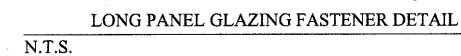
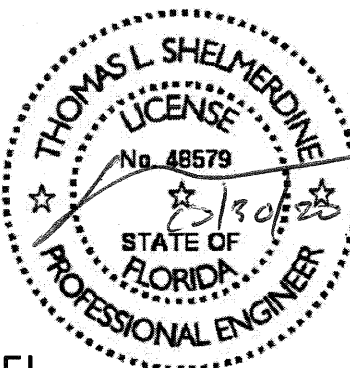


Diagram illustrating the components of a window frame assembly:

- DecraFrame WINDOW FRAME WITH UV PROTECTION
- OPTIONAL Decra INSERTS WITH UV PROTECTION
- MIN. 3/32" THICK SSB GLASS
- (10) #8 X 3/4" PAN HEAD SCREWS AT EACH WINDOW FRAME
- MOLDED INSIDE FRAME

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



REV	DESCRIPTION OF REVISIONS	DATE	BY
MAX SIZE 18'2" x 14' DESIGN LOADS +25.1 PSF -28.4 PSF TEST LOADS +37.7 PSF -42.6 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 1380 AMARR 2731 MODEL 1700 AMARR 2732 MODEL 1000 AMARR 2432			
SIZE	DRAWN BY	R/LR	DATE 12/08/14
B	CHECKED BY	R/LR	DATE 12/08/14
ENTREMATIC 165 CARRIAGE COURT WINSTON-SALEM, N.C. 27105			
DRAWING NUMBER			IBC-1818-136-26
SHEET 4 OF 4			