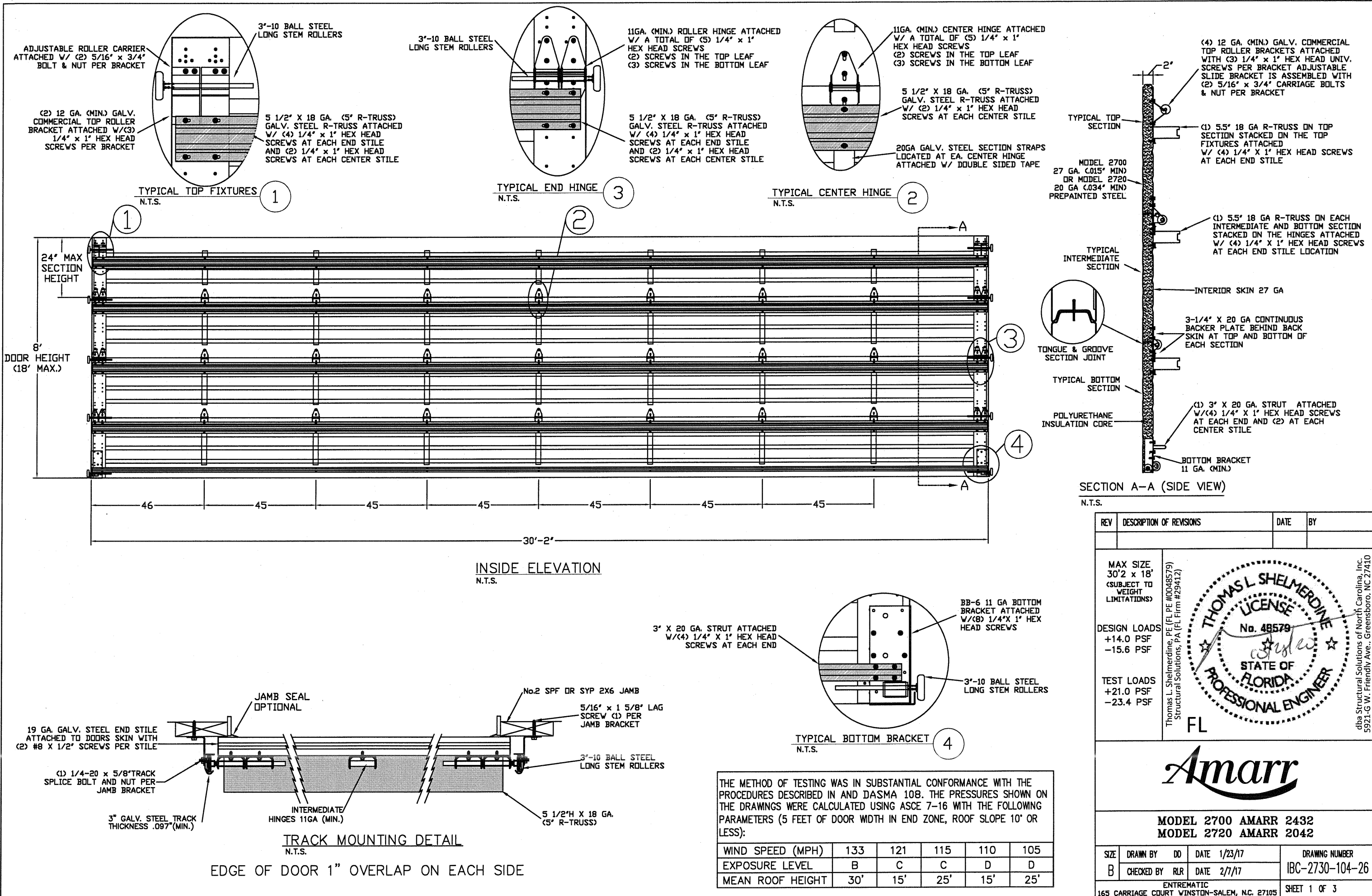
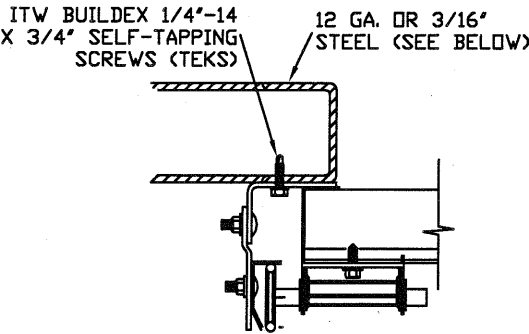




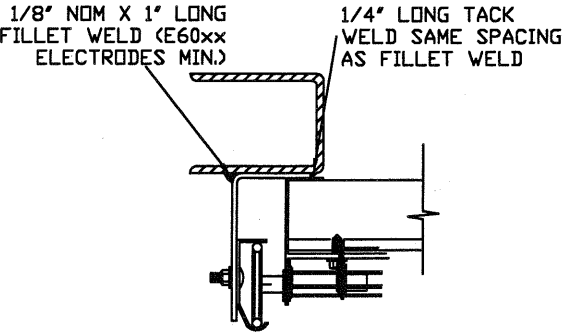
TRACK CONNECTION DIRECTLY TO STRUCTURE OPTIONS



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

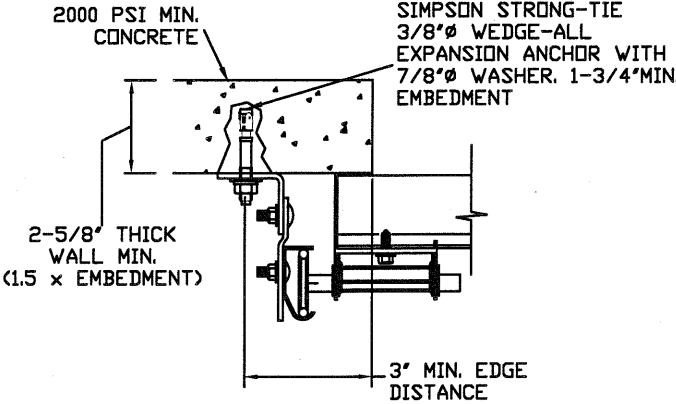
12 GA. STEEL FRAMING
232 LBS./SCREW ALLOWABLE LOAD - 6'
FROM ENDS AND 12" O.C.
REFER TO NOTES: 1, 2 AND 5

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



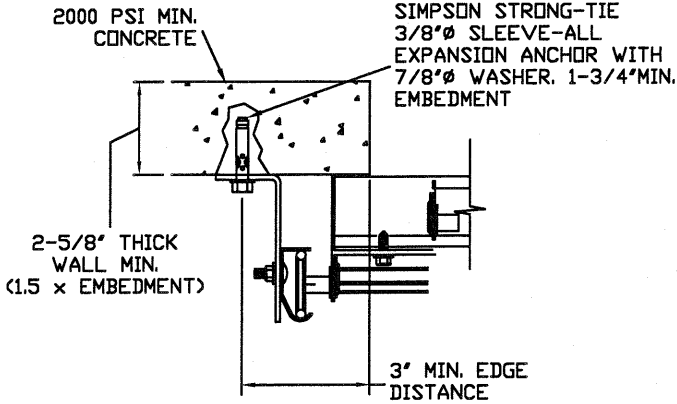
REVERSE ANGLE MOUNT SHOWN
BRACKET, CONTINUOUS AND
TAPERED ANGLE MOUNT AVAILABLE

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 18" 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: +211.2 LBS/FT & -235.3 LBS/FT
3. DOOR AND HARDWARE WILL BE DESIGNED, MANUFACTURED AND INSTALLED WITH STANDARDS AS SET FORTH BY DASMA.
4. DOOR SECTIONS SHALL BE 27 GA. (.015) MIN. EXTERIOR SKIN ROLLED FORMED, W/ BAKED ON POLYESTER FINISH
5. DOORS UP TO 18'0" HIGH USE (1) 5.5" 18GA R-TRUSS PER SECTION AND (1) 3" STRUT ON BOTTOM SECTION.
6. 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 22" 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 20" 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 16" 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 16" O.C. (1 1/4" EMBEDMENT)

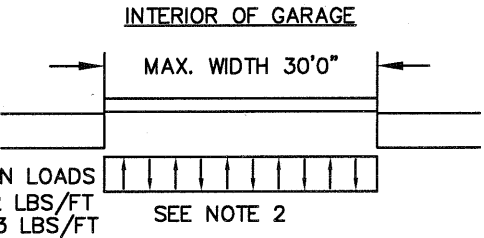
2 X 6 VERTICAL JAMB ATTACHMENT TO GROUTED C-90 BLOCK (2000 PSI GROUT)

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

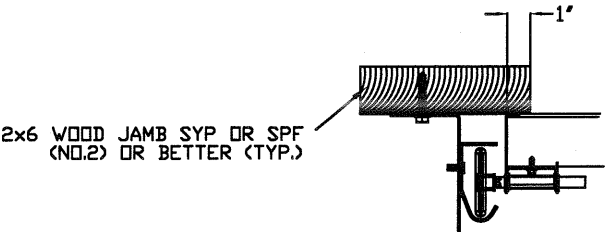
NOTES:

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.



TRACK CONNECTION TO WOOD JAMB OPTIONS

FOR LAG SCREWS & BRACKET SPACING SEE PAGE 3 FOR TRACK CONFIGURATION DETAIL



3" TAPERED CONTINUOUS ANGLE MOUNT

REV	DESCRIPTION OF REVISIONS	DATE	BY

MAX SIZE 30'2 x 18' (SUBJECT TO WEIGHT LIMITATIONS)

DESIGN LOADS +14.0 PSF -15.6 PSF

TEST LOADS +21.0 PSF -23.4 PSF

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

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

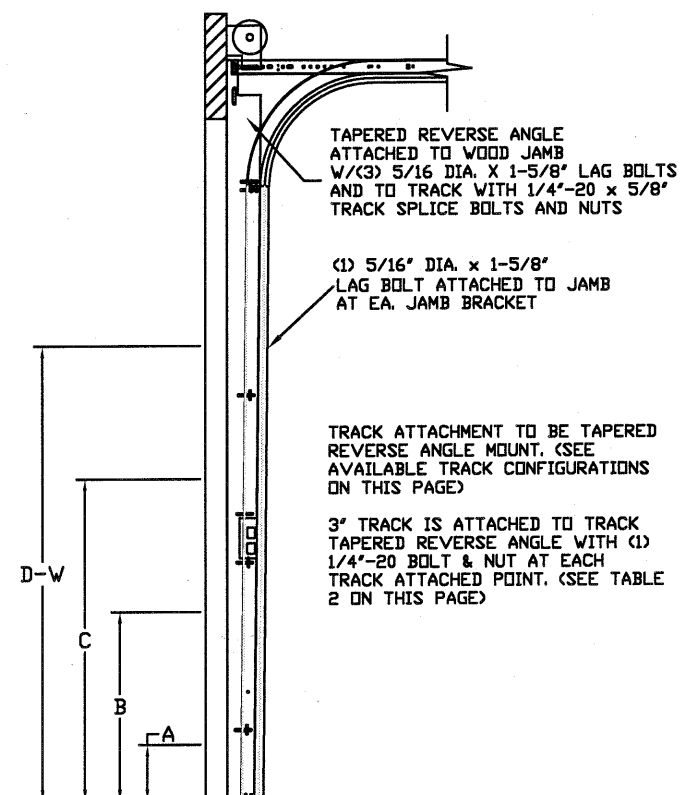
Amarr

MODEL 2700 AMARR 2432
MODEL 2720 AMARR 2042

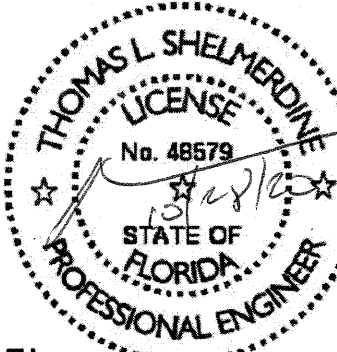
SIZE	DRAWN BY	DD	DATE	1/23/17	DRAWING NUMBER
B	CHECKED BY	RLR	DATE	2/7/17	IBC-2730-104-26

ENTREMATIC 165 CARRIAGE COURT WINSTON-SALEM, N.C. 27105 SHEET 2 OF 3

Section Width		Center Stile Locations (Measured from Left Edge)							Max Design Loads Allowed	
(ft)	(in)	1st (in)	2nd (in)	3rd (in)	4th (in)	5th (in)	6th (in)	7th (in)	Positive (PSF)	Negative (PSF)
26'	4	38	86	134	182	230	278		13.2	-14.7
26'	6	39	87	135	183	231	279		13.2	-14.7
26'	8	40	88	136	184	232	280		13.2	-14.7
26'	10	41	89	137	185	233	281		13.2	-14.7
27'	0	42	90	138	186	234	282		13.2	-14.7
27'	2	43	91	139	187	235	283		13.2	-14.7
27'	4	44	92	140	188	236	284		13.2	-14.7
27'	6	45	93	141	189	237	285		13.2	-14.7
27'	8	46	94	142	190	238	286		13.2	-14.7
27'	10	47	95	143	191	239	287		13.2	-14.7
28'	0	48	96	144	192	240	288		13.2	-14.7
28'	2	49	97	145	193	241	289		13.1	-14.6
28'	4	45	95	145	195	245	295		12.7	-14.1
28'	6	46	96	146	196	246	296		12.7	-14.1
28'	8	47	97	147	197	247	297		12.7	-14.1
28'	10	48	98	148	198	248	298		12.7	-14.1
29'	0	49	99	149	199	249	299		12.7	-14.1
29'	2	50	100	150	200	250	300		12.7	-14.1
29'	4	41	86	131	176	221	266	311	14.1	-15.7
29'	6	42	87	132	177	222	267	312	14.1	-15.7
29'	8	43	88	133	178	223	268	313	14.1	-15.7
29'	10	44	89	134	179	224	269	314	14.1	-15.7
30'	0	45	90	135	180	225	270	315	14	-15.6
30'	2	46	91	136	181	226	271	316	14	-15.6



DOOR HEIGHT		TRACK ATTACHMENT																						TYPICAL SPLICE	
		A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V		W
7'	0"	10.0"	22"	34"	46"	58"	70"																		76"
7'	6"	10.0"	22"	34"	46"	58"	70"																		82"
8'	0"	10.0"	22"	34"	46"	58"	70"	82"																	88"
9'	0"	10.0"	22"	34"	46"	58"	70"	82"	94"																100"
9'	6"	10.0"	22"	34"	46"	58"	70"	82"	94"																106"
10'	0"	10.0"	22"	34"	46"	58"	70"	82"	94"	106"															112"
11'	0"	10.0"	22"	34"	46"	58"	70"	82"	94"	106"	118"														124"
12'	0"	10.0"	22"	34"	46"	58"	70"	82"	94"	106"	118"	130"													136"
13'	0"	10.0"	22"	34"	46"	58"	70"	82"	94"	106"	118"	130"	142"												148"
14'	0"	10.0"	22"	34"	46"	58"	70"	82"	94"	106"	118"	130"	142"	154"											160"
15'	0"	10.0"	22"	34"	46"	58"	70"	82"	94"	106"	118"	130"	142"	154"	166"										172"
16'	0"	10.0"	22"	34"	46"	58"	70"	82"	94"	106"	118"	130"	142"	154"	166"	178"									184"
17'	0"	10.0"	22"	34"	46"	58"	70"	82"	94"	106"	118"	130"	142"	154"	166"	178"	190"								196"
18'	0"	10.0"	22"	34"	46"	58"	70"	82"	94"	106"	118"	130"	142"	154"	166"	178"	190"	202"							208"
19'	0"	10.0"	22"	34"	46"	58"	70"	82"	94"	106"	118"	130"	142"	154"	166"	178"	190"	202"	214"						220"
20'	0"	10.0"	22"	34"	46"	58"	70"	82"	94"	106"	118"	130"	142"	154"	166"	178"	190"	202"	214"	226"					232"
21'	0"	10.0"	22"	34"	46"	58"	70"	82"	94"	106"	118"	130"	142"	154"	166"	178"	190"	202"	214"	226"	238"				244"
22'	0"	10.0"	22"	34"	46"	58"	70"	82"	94"	106"	118"	130"	142"	154"	166"	178"	190"	202"	214"	226"	238"	250"			256"
23'	0"	10.0"	22"	34"	46"	58"	70"	82"	94"	106"	118"	130"	142"	154"	166"	178"	190"	202"	214"	226"	238"	250"	262"		268"
24'	0"	10.0"	22"	34"	46"	58"	70"	82"	94"	106"	118"	130"	142"	154"	166"	178"	190"	202"	214"	226"	238"	250"	262"	274"	280"

REV	DESCRIPTION OF REVISIONS	DATE	BY
MAX SIZE 30'2 x 18' (SUBJECT TO WEIGHT LIMITATIONS) DESIGN LOADS +14.0 PSF -15.6 PSF TEST LOADS +21.0 PSF -23.4 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 2700 AMARR 2432 MODEL 2720 AMARR 2042			
SIZE	DRAWN BY	DD	DATE 1/23/17
B	CHECKED BY	RLR	DATE 2/7/17
ENTREMATIC 165 CARRIAGE COURT WINSTON-SALEM, N.C. 27105			DRAWING NUMBER IBC-2730-104-26
SHEET 3 OF 3			SHEET 3 OF 3