

TOP AND BOTTOM FIXTURES)

30'

MEAN ROOF HEIGHT

15'

25'

15'

25'

2" BRACKET MOUNT TO WOOD JAMB DETAIL

12 GA. (MIN.) GALV. COMMERCIAL TOP ROLLER BRACKET ATTACHED WITH TYPICAL TOP (3) 1/4" x 1" HEX HEAD UNIV. SECTION SCREWS ADJUSTABLE SLIDE BRACKET IS ASSEMBLED WITH (2) 5/16" x 3/4" CARRIAGE MODEL 2700 BOLTS & NUT 27 GA. (.015" MIN) OR MODEL 2720 20 GA (.034 MIN) PREPAINTED STEEL TYPICAL INTERMEDIATE INTERIOR SKIN 27 GA SECTION TONGUE & GROOVE 14 GA. (MIN.) END HINGE ROLLER CARRIERS ATTACHED W/ (4) TYPICAL BOTTOM . 1/4" x 1" HEX HEAD SCREWS SECTION EACH BOTTOM BRACKET 11 GA. (MIN.) ATTACHED POLYURETHANE -W/(7) 1/4" X 1" INSULATION CORE HEX HEAD SCREWS SECTION A-A (SIDE VIEW)

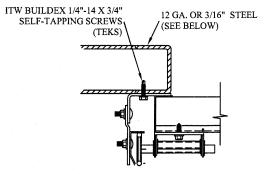
REV DESCRIPTION O	F REVISIONS	DATE	BY	
MAX SIZE 10'2 x 24' DESIGN LOADS +24.1 PSF -28.0 PSF	(TX Firm #F-004063) (TX Firm #F-004063)	OF TE	ERDINE FO	5921-G W. Friendly Ave Greensboro. NC 27410
+36.2 PSF -42.0 PSF	Thomas L. Shelmerdine Structural Solutions, PA Xructural Solutions, PA Xructur	ENSED NALEW	T. T. C.	5921-G W. Friendly



MODEL 2700 AMARR 2742 MODEL 2720 AMARR 2042

SIZE	DRAWN BY	DRD	DATE	04/20/18	DRAWING NUMBER
В	CHECKED BY	DLJ	DATE	07/17/18	IBC-2710-130-00
165 C	ADDIAGE COLL	SHEET 1 OF 4			

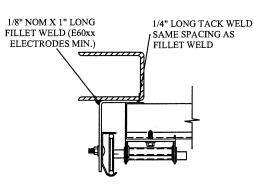
TRACK CONNECTION DIRECTLY TO STRUCTURE OPTIONS



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

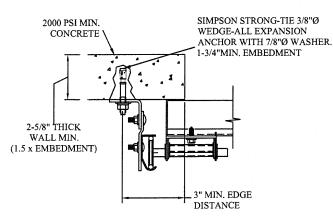
12 GA. STEEL FRAMING 232 LBS./SCREW ALLOWABLE LOAD - 6" FROM ENDS AND 22" O.C. REFER TO NOTES: 1, 2 AND 5

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



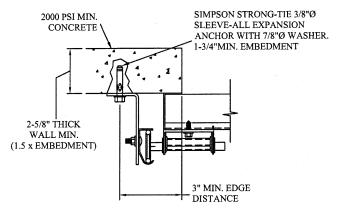
REVERSE ANGLE MOUNT SHOWN BRACKET, CONTINUOUS AND TAPERED ANGLE MOUNT AVAILABLE

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**

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: +122.5 LBS/FT & -142.3 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. SUPPORTING STRUCTURAL ELEMENTS SHALL BE DESIGNED BY A REGISTRED 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

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,

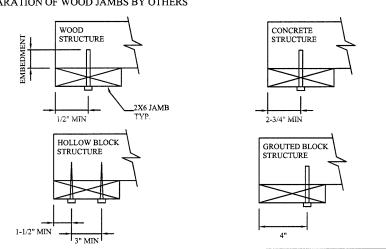
USE PAIRS OF FASTENERS (3" APART) AT 24" O.C. (1 1/4" EMBEDMENT)

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

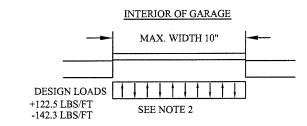
HILTI SLEEVE ANCHOR 3/8" X 2-3/4" STARTING 6" FROM ENDS THEN 24" O.C. (1 1/4" EMBEDMENT)

(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

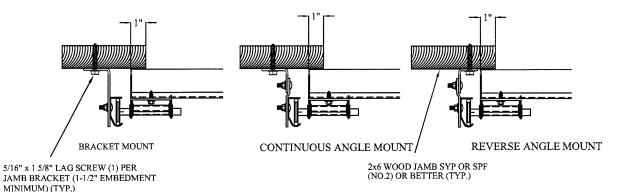


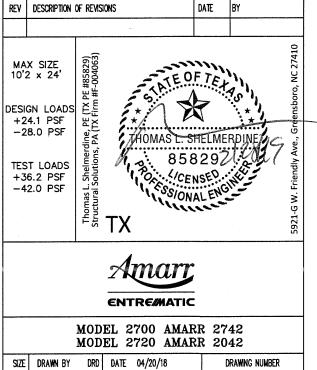
- 1. ANCHORS TO BE EVENLY SPACED BETWEEN THE HEADER AND
- 2. FIRST (BOTTOM) ANCHOR STARTING AT NO MORE THAN HALF OF THE MAXIMUM ON-CENTER DISTANCE. HIGHEST ANCHOR INSTALLED AT LEAST AS HIGH AS THE DOOR OPENING.
- 3. MIN. EGDE DISTANCE OF 3" REOUIRED.
- 4. USE WASHERS PROVIDED BY THE ANCHOR MANUFACTURER.
- 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.



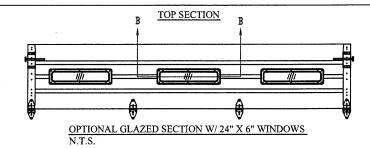
TRACK CONNECTION TO WOOD JAMB OPTIONS

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

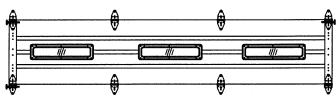




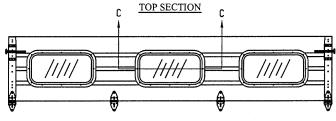
IBC-2710-130-00 B CHECKED BY DLJ DATE 07/17/18 ENTREMATIC 165 CARRIAGE COURT WINSTON-SALEM, N.C. 27105 SHEET 2 OF 4



INTERMEDIATE SECTION

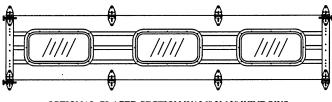


OPTIONAL GLAZED SECTION W/ 24" X 6" WINDOWS N.T.S.

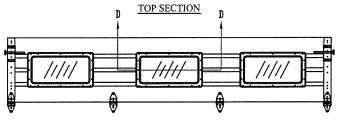


OPTIONAL GLAZED SECTION W/ 26" X 13" WINDOWS N.T.S.

INTERMEDIATE SECTION

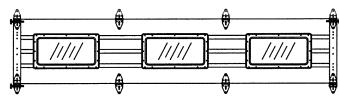


OPTIONAL GLAZED SECTION W/ 26" X 13" WINDOWS N.T.S.

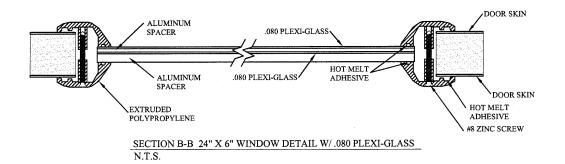


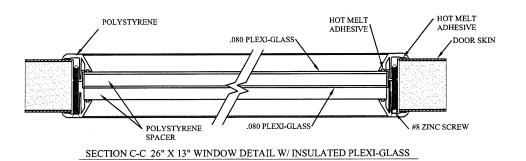
 $\frac{OPTIONAL\ GLAZED\ SECTION\ W/\ 24"\ X\ 12"\ WINDOWS\ N.T.S.$

INTERMEDIATE SECTION



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





1/8" TEMPERED GLASS

HOT MELT ADHESIVE

DOOR SKIN

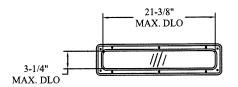
1/8" TEMPERED GLASS

HOT MELT
ADHESIVE

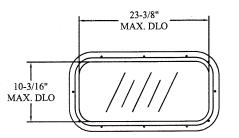
DOOR SKIN
EXTRUDED

POLYPROPYLENE

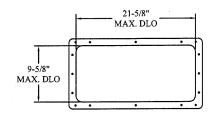
SECTION D-D 24" X 12" WINDOW DETAIL W/ 1-1/8" INSULATED GLASS N.T.S.



 $\frac{24"~X~6"~DAY~LIGHT~OPENING~AND~FASTENER~DETAIL}{N.T.S.}$



 $\frac{26"}{\rm N.T.S.}$ DAY LIGHT OPENING AND FASTENER DETAIL N.T.S.



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

rev	DESCRIPTION	of Revis	IONS	DATE	BY	
DESI	X SIZE 2 x 24' GN LOADS 4.1 PSF	(TX PE #85829) Firm #F-004063)	A STATE O	FTEX	40 J	ensboro, NC 27410
	8.0 PSF	line, PE PA (TX I	THOMAS L.	SHELME	ROTNE	e., Gre
+3	T LOADS 6.2 PSF 2.0 PSF	Thomas L. Shelmerdine, Structural Solutions, PA (TX 85	8292 NSED VALENG	15.167	5921-G W. Friendly Ave., Greensboro, NC 27410
			· · · · · · · · · · · · · · · · · · ·			55
			4			



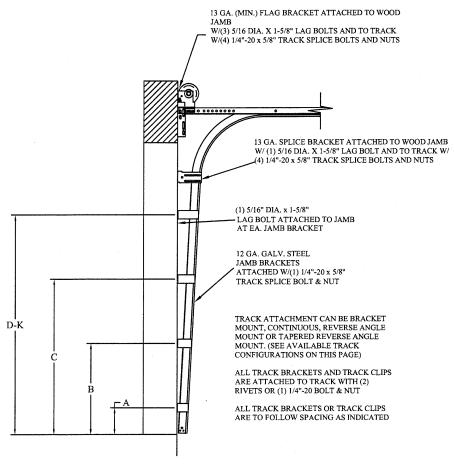
MODEL	2700	AMARR	2742
MODEL	2720	AMARR	2042

SIZE	Drawn by	DRD	DATE	04/20/18	DRAWING NUMBER
В	CHECKED BY	DLJ	DATE	07/17/18	IBC-2710-130-00
165 C			MATIC NSTON-	SALEM, N.C. 27105	SHEET 3 OF 4

TABLE 1

Section Width			er Stile ations	Max Design Loads Allowed		
	(ft)		2nd (in)	Positive (PSF)	Negitive (PSF)	
		(in)	(111)			
6'	0"	36"	-	27.1	31.5	
6'	2"	37"	200	26.3	30.6	
6'	4"	38" -		25.6	29.8	
6'	6"	39"	-	25.0	29.0	
6'	8"	40"		24.4	28.3	
9'	2"	37"	73"	26.7	31.0	
9'	4"	36"	76"	25.5	29.6	
9'	6"	37"	77"	25.2	29.3	
9'	8"	38"	78"	24.9	28.9	
9'	10"	39"	79"	24.5	28.5	
10'	0"	40"	80"	24.2	28.2	
10'	2"	41"	81"	24.1	28.0	

^{*} CONTACT ENGINEERING FOR SIZES 6'10" THROUGH 9'0"



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

TABLE 2

DO	OR	-				TRACK	ATTAC	HMEN	T				TYPICAL
HEK	3HT	Α	В	С	D	E	F	G	Н	I	J	K	SPLICE
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"
11'	0"	10"	34"	58"	82"	106"							124"
12'	0"	10"	34"	58"	82"	106"							136"
13'	0"	10"	34"	58"	82"	106"	130"						148"
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"

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

