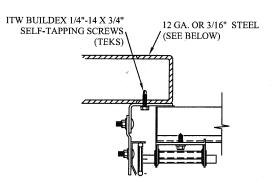


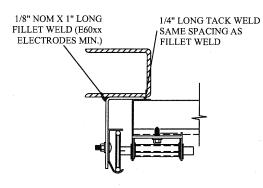
TRACK CONNECTION DIRECTLY TO STRUCTURE OPTIONS



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

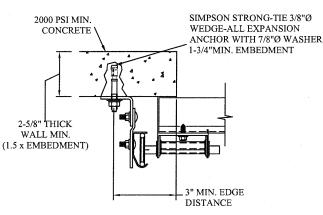
12 GA. STEEL FRAMING 232 LBS./SCREW ALLOWABLE LOAD - 6" FROM ENDS REFER TO NOTES: 1, 2 AND 5

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



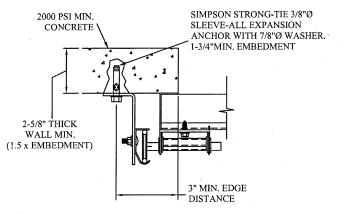
REVERSE ANGLE MOUNT SHOWN BRACKET, CONTINUOUS AND TAPERED ANGLE MOUNT AVAILABLE

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

2000 PSI CONCRETE OR GREATER 351 LBS./EXPANSION ANCHOR ALLOWABLE LOAD - 6" FROM ENDS AND 20" 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 20" 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: +194.7 LBS/FT & -223.3 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 22" 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)

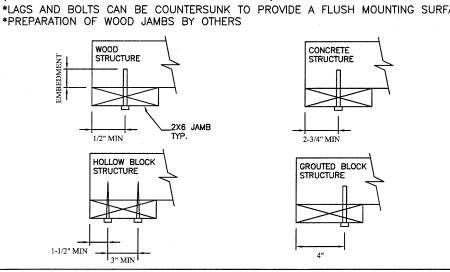
HILTI 1/4" X 2-3/4" KWIK-CON II+ SCREWS STARTING 6" FROM ENDS, USE PAIRS OF FASTENERS (3" APART) AT 16" O.C. (1 1/4" EMBEDMENT)

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

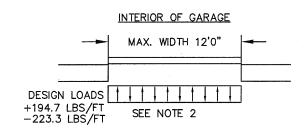
THEN 24" O.C. (1 1/4" EMBEDMENT)

(OR, USE FASTENERS FOR HOLLOW C-90 BLOCK)

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

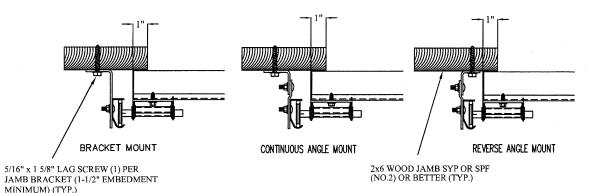


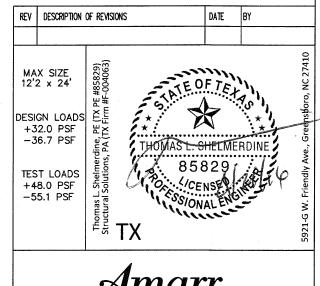
- 1. ANCHORS TO BE EVENLY SPACED BETWEEN THE HEADER AND
- 2. FIRST (BOTTOM) ANCHOR STARTING AT NO MORE THAN HALF OF THE MAXIMUM ON-CENTER DISTANCE. HIGHEST ANCHOR INSTALLED AT LEAST AS HIGH AS THE DOOR OPENING.
- 3. MIN. EGDE DISTANCE OF 3" REOUIRED.
- 4. USE WASHERS PROVIDED BY THE ANCHOR MANUFACTURER.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

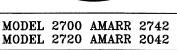


TRACK CONNECTION TO WOOD JAMB OPTIONS

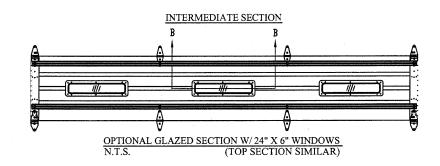
FOR LAG SCREWS & BRACKET SPACING SEE PAGE 4 FOR TRACK CONFIGURATION DETAIL

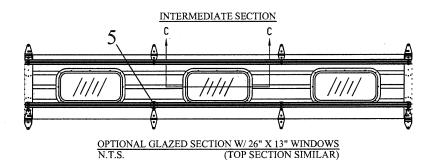


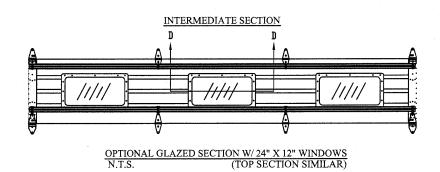


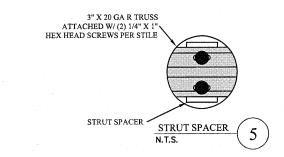


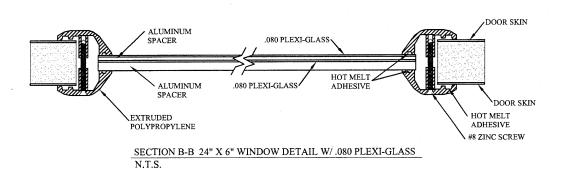
SIZE	Drawn by	RLR	DATE	04/06/16	drawing number
В	CHECKED BY	RLR	DATE	04/06/16	IBC-2712-150-15
165 C			MATIC NSTON-	SALEM, N.C. 27105	SHEET 2 OF 4

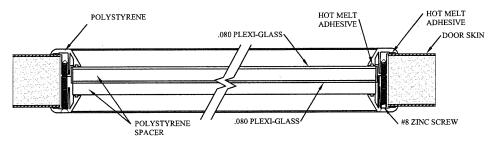




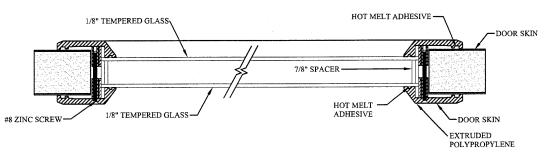




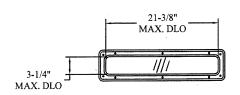




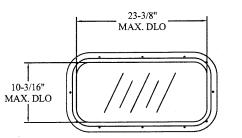
SECTION C-C 26" X 13" WINDOW DETAIL W/ INSULATED PLEXI-GLASS N.T.S.



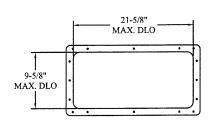
SECTION D-D 24" X 12" WINDOW DETAIL W/ 1-1/8" INSULATED GLASS N.T.S.



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



26" X 13" DAY LIGHT OPENING AND FASTENER DETAIL N.T.S.



 $\underline{24"~X~12"}$ DAY LIGHT OPENING AND FASTENER DETAIL N.T.S.

REV	DESCRIPTION	of Revisi	ONS		DATE	BY	
MA 12':	X SIZE 2 x 24'	#85829) 004063)	تسمير	ATE O	FTE	<i>h</i> ,	o, NC 27410
+3	GN LOADS 2.0 PSF 6.7 PSF	e, PE (TX PE \(TX Firm #F	*	>	7	****	Greensbord
+4	ST LOADS 8.0 PSF 5.1 PSF	Thomas L. Shelmerdine, PE (TX PE #85829) Structural Solutions, PA (TX Firm #F-004063	THUN	858	NSED	RUINE	5921-G W. Friendly Ave., Greensboro, NC 27410
		Thomas Structura	TX	(0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		त्राप	5921-G W.
			4				

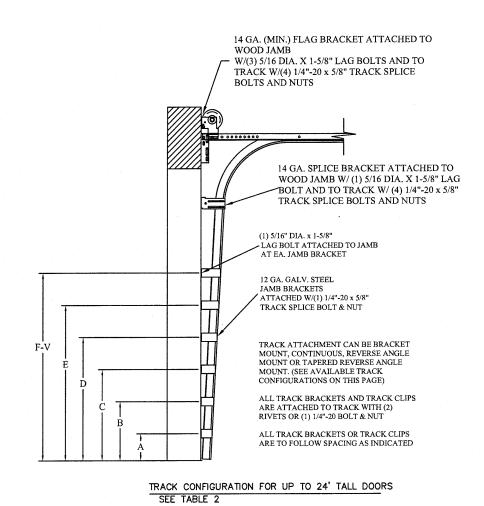
Amarr

MODEL 2700 AMARR 2742 MODEL 2720 AMARR 2042

SIZE	DRAWN BY	RLR	DATE	04/06/16	DRAWING NUMBER
В	CHECKED BY	RLR	DATE	04/06/16	IBC-2712-150-15
165 C	E COLI	SHEET 3 OF 4			

TABLE 1

800	tion	Cente	er Stile	Max Design Loads				
Sec		Loca	ations	Allowed				
(f	1	1st	2nd	Positive	Negitive			
("	')	(in)	(in)	(PSF)	(PSF)			
6'			_	43.1	49.4			
6'	2"	37"	-	41.9	48.1			
6'	4"	38"	-	40.8	46.8			
6'	6"	39"		39.7	45.6			
6'	8"	40"	-	38.8	44.4			
6'	10"	41"	-	37.8	43.4			
7'	0"	42"	_	36.9	42.3			
7'	2"	43"		36.0	41.3			
7'	4"	44"	-	35.2	40.4			
7'	6"	45"	-	34.4	39.5			
7'	8"	46"	_	33.7	38.6			
7'	10"	47"	-	33.0	37.8			
8'	0"	48"		32.3	37.0			
8'	2"	49"	-	31.6	36.3			
8'	4"	50"	-	31.0	35.5			
8'	6"	51"	-	30.4	34.9			
8'	8"	52"	_	29.8	34.2			
8'	10"	53"	-	29.2	33.5			
9'	0"	54"	-	28.7	32.9			
9'	2"	37"	73"	42.4	48.7			
9'	4"	36"	76"	40.6	46.6			
9'	6"	37"	77"	40.1	46.0			
9'	8"	38"	78"	39.5	45.4			
9'	10"	39"	79"	39.0	44.8			
10'	0"	40"	80"	38.6	44.2			
10'	2"	41"	81"	38.1	43.7			
10'	4"	42"	82"	37.4	42.9			
10'	6"	43"	83"	36.8	42.3			
10'	8"	44"	84"	36.3	41.6			
10'	10"	45"	85"	35.7	41.0			
11'	0"	46"	86"	35.2	40.3			
11'	2"	47"	87"	34.6	39.7			
11'	4"	48"	88"	34.1	39.2			
11'	6"	49"	89"	33.6	38.6			
11'	8"	50"	90"	33.2	38.0			
11'	10"	51"	91"	32.7	37.5			
12'	0"	48"	96"	32.1	36.8			
12'	2"	49"	97"	32.0	36.7			



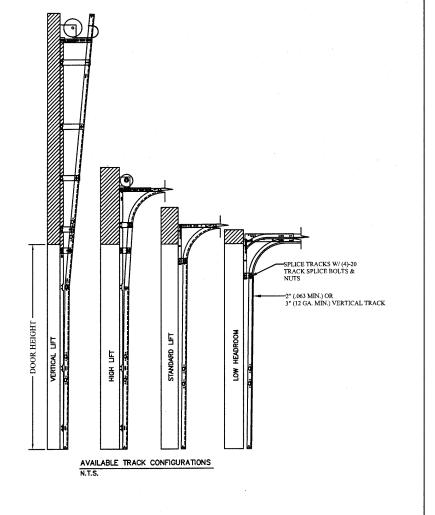


TABLE 2

DOOR																							SPLICE
HEIGHT	Α	В	С	D	E	F	G	Н		J	K	L	М	N	0	Р	Q	R	S	T	U	>	S
7'	10"	22"	34"	46"	58"	70"															7		76"
8'	10"	22"	34"	46"	58"	70"																	88"
9'	10"	22"	34"	46"	58"	70"	82"																100"
10'	10"	22"	34"	46"	58"	70"	82"	94"															112"
11'	10"	22"	34"	46"	58"	70"	82"	94"	106"														124"
12'	10"	22"	34"	46"	58"	70"	82"	94"	106"	118"													136"
13'	10"	22"	34"	46"	58"	70"	82"	94"	106"	118"	130"												148"
14'	10"	22"	34"	46"	58"	70"	82"	94"	106"	118"	130"	142"											160"
15'	10"	22"	34"	46"	58"	70"	82"	94"	106"	118"	130"	142"	154"										172"
16'	10"	22"	34"	46"	58"	70"	82"	94"	106"	118"	130"	142"	154"	166"									184"
17'	10"	22"	34"	46"	58"	70"	82"	94"	106"	118"	130"	142"	154"	166"	178"								196"
18'	10"	22"	34"	46"	58"	70"	82"	94"	106"	118"	130"	142"	154"	166"	178"	190"							208"
19'	10"	22"	34"	46"	58"	70"	82"	94"	106"	118"	130"	142"	154"	166"	178"	190"	202"						220"
20'	10"	22"	34"	46"	58"	70"	82"	94"	106"	118"	130"	142"	154"	166"	178"	190"	202"	214"					232"
21'	10"	22"	34"	46"	58"	70"	82"	94"	106"	118"	130"	142"	154"	166"	178"	190"	202"	214"	226"				244"
22'	10"	22"	34"	46"	58"	70"	82"	94"	106"	118"	130"	142"	154"	166"	178"	190"	202"	214"	226"	238"			256"
23'	10"	22"	34"	46"	58"	70"	82"	94"	106"	118"	130"	142"	154"	166"	178"	190"	202"	214"	226"	238"	250"		268"
24'	10"	22"	34"	46"	58"	70"	82"	94"	106"	118"	130"	142"	154"	166"	178"	190"	202"	214"	226"	238"	250"	262"	280"

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

REV	DESCRIPTION	of Revisi	ONS	DATE	BY				
12': DESI +3 -3 TES	MAX SIZE 12'2 x 24' DESIGN LOADS +32.0 PSF -36.7 PSF TEST LOADS +48.0 PSF -55.1 PSF		H L L			S921-G W. Friendly Ave., Greensboro, NC 27410			
		2	4	n	ar	Z			
		MOD MOD	EL 2 EL 2	2700 2720	AMAF AMAF		'42)42		
SIZE	DRAWN BY	RLR	DATE	04/06,	/16	1	DRAWING NUMBE		
<u>B</u>	CHECKED BY		DATE	04/06,	/16	IRC-	2712-150	-15	
165 C	CARRIAGE CO	ENTRE URT WI		SALEM,	N.C. 2710:	5 SHEET	4 OF 4	<u>,</u>	