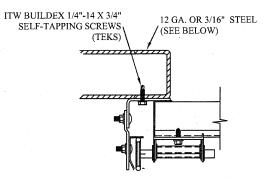


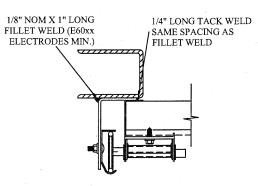
TRACK CONNECTION DIRECTLY TO STRUCTURE OPTIONS



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

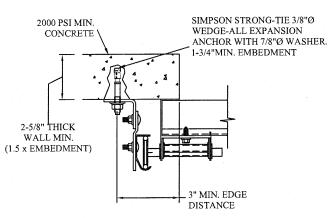
12 GA, STEEL FRAMING 232 LBS./SCREW ALLOWABLE LOAD -.6" FROM ENDS REFER TO NOTES: 1, 2 AND 5

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



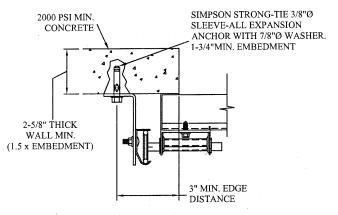
REVERSE ANGLE MOUNT SHOWN BRACKET, CONTINUOUS AND TAPERED ANGLE MOUNT AVAILABLE

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

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)

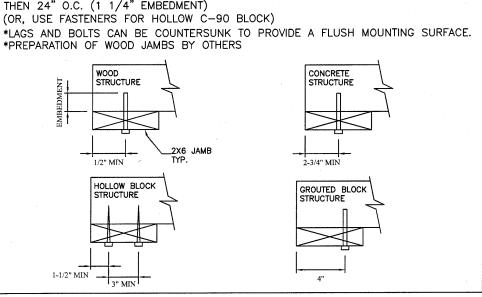
HILTI 1/4" X 2-3/4" KWIK-CON II+ SCREWS STARTING 6" FROM ENDS,

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

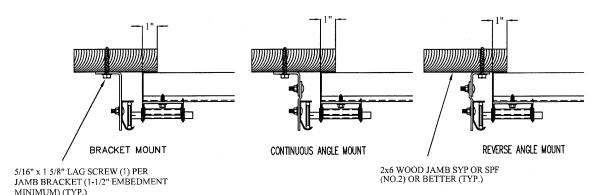
THEN 24" O.C. (1 1/4" EMBEDMENT)

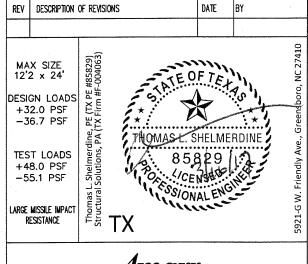


- 1. ANCHORS TO BE EVENLY SPACED BETWEEN THE HEADER AND
- 2. FIRST (BOTTOM) ANCHOR STARTING AT NO MORE THAN HALF OF THE MAXIMUM ON-CENTER DISTANCE. HIGHEST ANCHOR INSTALLED AT LEAST AS HIGH AS THE DOOR OPENING.
- 3 MIN EGDE DISTANCE OF 3" REQUIRED
- 4. USE WASHERS PROVIDED BY THE ANCHOR MANUFACTURER.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

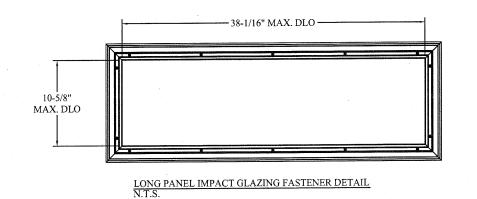


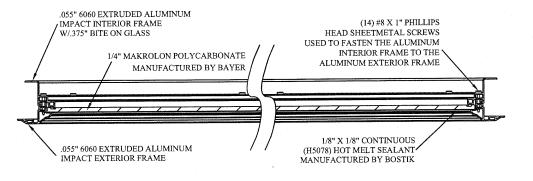


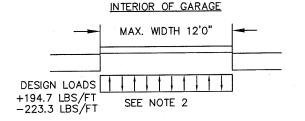


MODEL 1000 AMARR 2432

SIZE	DRAWN BY	RLR	DATE	02/08/17		DRAWING NUMBER
В	CHECKED BY	RLR	DATE	02/08/17		IBC-1012-150-15-
165 CA	-		EMATION.	SALEM N.C. 2	7105	SHEET 2 OF 4







SECTION B-B IMPACT WINDOW DETAIL

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.

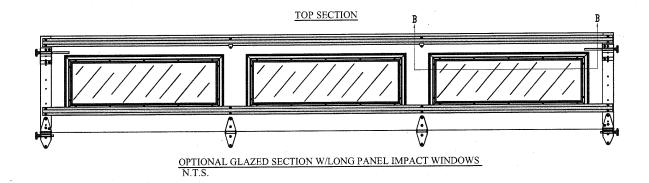
2. EACH VERTICAL JAMBS RECEIVES MAXIMUM DESIGN LOADS OF: +194.7 LBS/FT & -223.3 LBS/FT

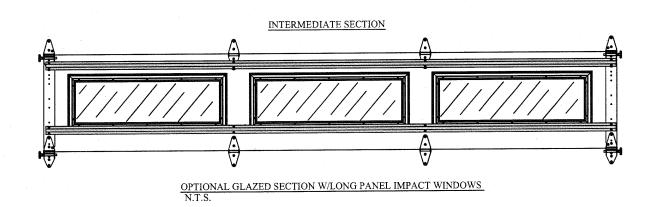
3. DOOR AND HARDWARE WILL BE DESIGNED, MANUFACTURED AND INSTALLED WITH STANDARDS AS SET FORTH BY DASMA.

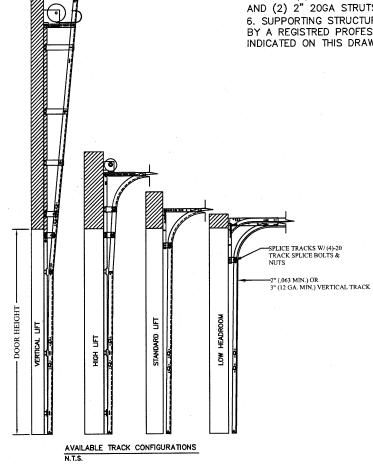
4. DOOR SECTIONS SHALL BE 24 GA. (.021) MIN. EXTERIOR SKIN ROLLED FORMED, W/ BAKED ON POLYESTER FINISH

5. DOORS UP TO 24'0" HIGH HAVE (2) 3" 20GA STRUTS ON THE BOTTOM SECTION, (1) 2" 20GA & (1) 3" 20GA STRUT PER INTERMEDIATE SECTION, AND (2) 2" 20GA STRUTS ON THE TOP SECTION

6. SUPPORTING STRUCTURAL ELEMENTS SHALL BE DESIGNED BY A REGISTRED PROFESSIONAL ENGINEER FOR WIND LOADS INDICATED ON THIS DRAWING IN ADDITION TO OTHER LOADINGS.







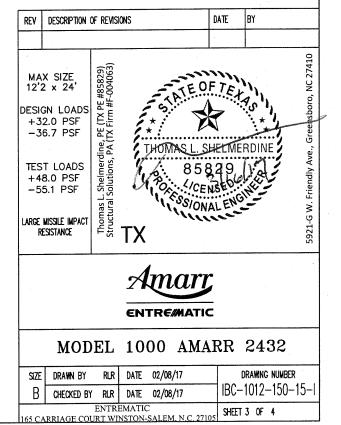
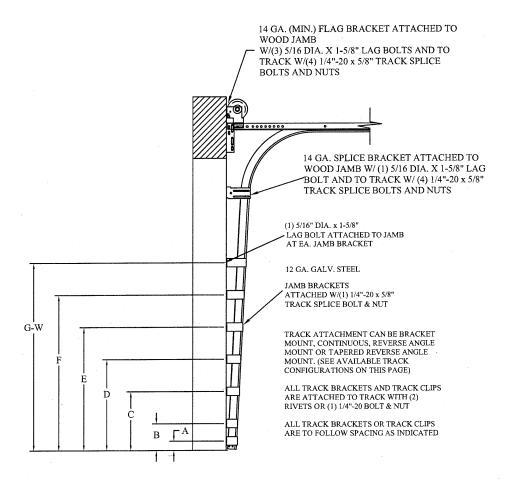


TABLE 1

Soc	***********	Center Stile							
Sec		Locations							
Wid		1st	2nd						
(fi	L)	(in)	(in)						
6'	0"	36"	-						
6'	2"	37"	-						
6'	4"	38"							
6'	6"	39"							
6'	8"	40"							
6'	10"	41"	-						
7'	0"	42"	<u> </u>						
7'	2"	43"							
7'	4"	44"	_						
7'	6"	45"	_						
7'	8"	46"							
7'	10"	47"	•••						
8'	0"	48"							
9'	4"	36"	76"						
9'	6"	37"	77"						
9'	8"	38"	78"						
9'	10"	39"	79"						
10'	0"	40"	80"						
10'	2"	41"	81"						
10'	4"	42"	82"						
10'	6"	43"	83"						
10'	8"	44"	84"						
10'	10"	45"	85"						
11'	0"	46"	86"						
11'	2"	47"	87"						
11'	4"	48"	88"						
11'	6"	49"	89"						
11'	8"	50"	90"						
11'	10"	51"	91"						
12'	0"	48"	96"						
12'	2"	49"	97"						

^{*} CONTACT ENGINEERING FOR SIZES 8'2" THROUGH 9'2"



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

TABLE 2

DO	OR											TRACK	ATTAC	HMEN	Γ										TYPICAL
HEI	SHT	Α	В	С	D	E	F	G	Н		J	K	L	М	N	0	Р	Q	R	S	T	U	V	W	SPLICE
7'	0"	3.5"	10.0"	22.0"	34"	46"	58"																		76"
7'	6"	3.5"	10.0"	22.0"	34"	46"	58"	70"																	82"
8'	0"	3.5"	10.0"	22.0"	34"	46"	58"	70"																	88"
8,	6"	3.5"	10.0"	22.0"	34"	46"	58"	70"	82"																94"
9'	0"	3.5"	10.0"	22.0"	34"	46"	58"	70"	82"																100"
9'	6"	3.5"	10.0"	22.0"	34"	46"	58"	70"	82"	94"									L						106"
10'	0"	3.5"	10,0"	22.0"	34"	46"	58"	70"	82"	94"															112"
11'	0"	3.5"	10.0"	22.0"	34"	46"	58"	70"	82"	94"	106"														124"
12'	0"	3.5"	10.0"	22.0"	34"	46"	58"	70"	82"	94"	106"	118"													136"
13'	0"	3.5"	10.0"	22.0"	34"	46"	58"	70"	82"	94"	106"	118"	130"												148"
14'	0"	3.5"	10.0"	22.0"	34"	46"	58"	70"	82"	94"	106"	118"	130"	142"											160"
15'	0"	3.5"	10.0"	22.0"	34"	46"	58"	70"	82"	94"	106"	118"	130"	142"	154"										172"
16'	0"	3.5"	10.0"	22.0"	34"	46"	58"	70"	82"	94"	106"	118"	130"	142"	154"	166"									184"
17'	0"	3.5"	10.0"	22.0"	34"	46"	58"	70"	82"	94"	106"	118"	130"	142"	154"	166"	178"								196"
18'	0"	3.5"	10.0"	22.0"	34"	46"	58"	70"	82"	94"	106"	118"	130"	142"	154"	166"	178"	190"							208"
19'	0"	3.5"	10.0"	22.0"	34"	46"	58"	70"	82"	94"	106"	118"	130"	142"	154"	166"	178"	190"	202"						220"
20'	0"	3.5"	10.0"	22.0"	34"	46"	58"	70"	82"	94"	106"	118"	130"	142"	154"	166"	178"	190"	202"	214"					232"
21	0"	3.5"	10.0"	22.0"	34"	46"	58"	70"	82"	94"	106"	118"	130"	142"	154"	166"	178"	190"	202"	214"	226"				244"
22	0"	3.5"	10.0"	22.0"	34"	46"	58"	70"	82"	94"	106"	118"	130"	142"	154"	166"	178"	190"	202"	214"	226"	238"			256"
23	0"	3,5"	10.0"	22.0"	34"	46"	58"	70"	82"	94"	106"	118"	130"	142"	154"	166"	178"	190"	202"	214"	226"	238"	250"		268"
24	0"	3.5"	10.0"	22.0"	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

	DESCRIPTION	OF KENIS	ONS	DATE	BY	
12'. +3 -3 TES +4 -5	X SIZE 2 × 24' GN LOADS 2.0 PSF 6.7 PSF ST LOADS 8.0 PSF 5.1 PSF MISSILE IMPACT	Thomas L. Shelmerdine, PE (TX PE #85829) Structural Solutions, PA (TX Firm #F-004063)	THOMAS TO A CONTROL OF THE STATE OF THE STAT	SHELME SHELME SAIP ENGED.	RDINE A	5921-G W. Friendly Ave., Greensboro, NC 27410
LARGE		Thomas L. Sl Structural Sol	TX	ENSEY.		5921-G W. Frie
			Amar	ŗ		
			Amar			
	MOD	EL		ic .	2432	
SIZE		EL	ENTRE/MAT	IARR	2432 Drawing number -1012–150–1	