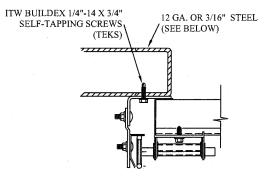


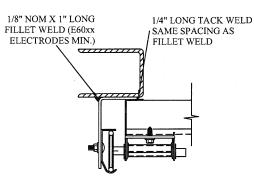
TRACK CONNECTION DIRECTLY TO STRUCTURE OPTIONS



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 8" O.C.
REFER TO NOTES: 1, 2 AND 5

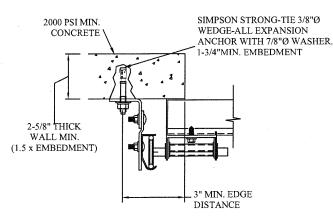
3/16" STEEL FRAMING
569 LBS./SCREW ALLOWABLE LOAD - 6" FROM ENDS
AND 18" O.C.
REFER TO NOTES; 1, 2 AND 5



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

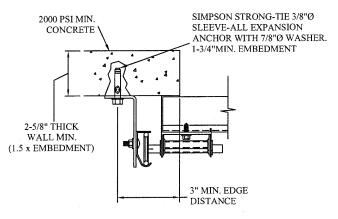
MINIMUM) (TYP.)

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 12" 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 12" 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 14" 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 12" 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)

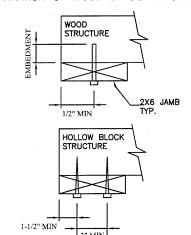
2 X 6 VERTICAL JAMB ATTACHMENT TO GROUTED C-90 BLOCK (2000 PSI GROUT)

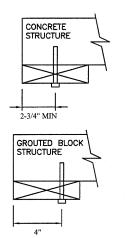
HILTI SLEEVE ANCHOR 3/8" X 2-3/4" STARTING 6" FROM ENDS

THEN 14" 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



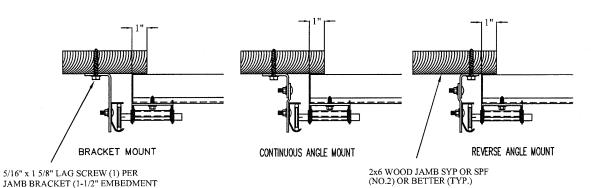


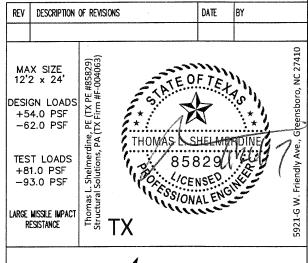
NOTE

- 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. 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 INSPECTOR 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

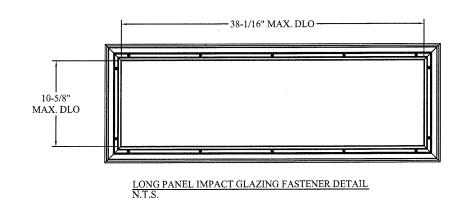


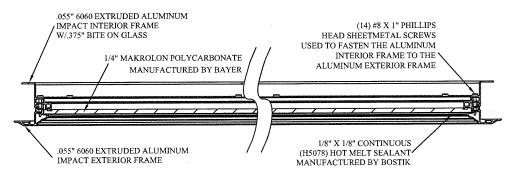




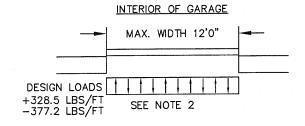
MODEL 1000 AMARR 2432

SIZE	DRAWN BY	RLR	DATE	03/23/17		DRAWING NUMBER
В	CHECKED BY	RLR	DATE	03/23/17		IBC-1012-195-24-I
165 CA	DDIAGE COLI	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.

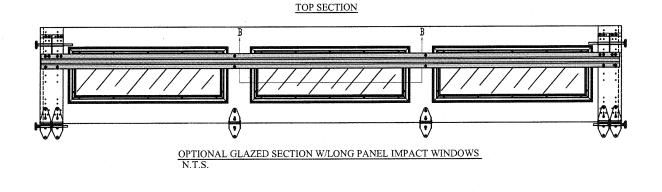
2. EACH VERTICAL JAMBS RECEIVES MAXIMUM DESIGN LOADS OF: +328.5 LBS/FT & -377.2 LBS/FT

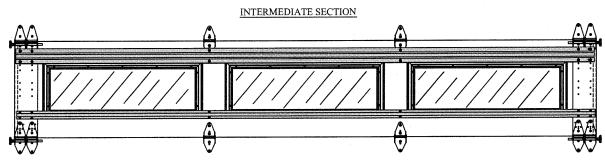
3. DOOR AND HARDWARE WILL BE DESIGNED, MANUFACTURED AND INSTALLED WITH STANDARDS AS SET FORTH BY DASMA.

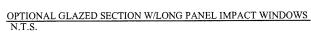
4. DOOR SECTIONS SHALL BE $\,$ 24 GA. (.021) MIN. EXTERIOR SKIN ROLLED FORMED, W/ BAKED ON POLYESTER FINISH

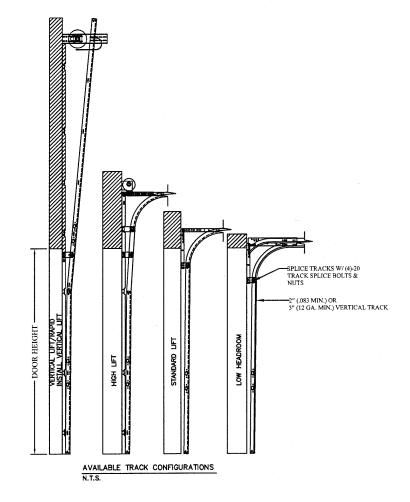
5. DOORS UP TO 24'0" HIGH HAVE (1) 3" 20GA STRUT ON THE BOTTOM SECTION AND EVERY OTHER SECTION AFTER THAT, AND (1) 4.5" 20GA ON EVERY SECTION.

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









REV	DESCRIPTION	of Revisi	ONS		DATE	BY			
12': +5 -6 TES +8 -9	X SIZE 2 × 24' GN LOADS 4.0 PSF 2.0 PSF T LOADS 1.0 PSF 3.0 PSF	Thomas L. Shelmerdine, PE (TX PE #85829) Structural Solutions, PA (TX Firm #F-004063)	THOM	ASLS 858 1/CEI		ADINE VICE	5921-G W. Friendly Ave., Gregnsboro, NC 27410		
	ESISTANCE	₹.	TX				5921		
Amarr									
	MOD	EL	1000	AMA	RR	2432			

DRAWING NUMBER IBC—1012—195—24—

SHEET 3 OF 4

SIZE DRAWN BY RLR DATE 03/23/17

CHECKED BY RLR DATE 03/23/17
ENTREMATIC

5 CARRIAGE COURT WINSTON-SALEM, N.C. 2710

TABLE 1

DOC	R											TRACK	ATTAC	HMENT	_										TYPICAL
HEIG	нт	Α	В	С	D	E	F	G	Н		J	K	L	M	N	0	P	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"								T									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"						1									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

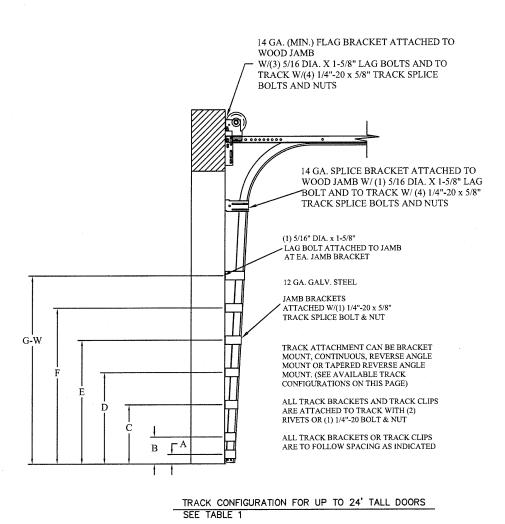


TABLE 2

/ \L	<u> </u>								
Sec	tion	Center Stile							
Wid		Loca	ations						
(fi		1st	2nd						
(11	L)	(in)	(in)						
6'	0"	36"	-						
6'	2"	37"	-						
6'	4"	38"	-						
6'	6"	39"	-						
6'	8"	40"	-						
6'	10"	41"	_						
7'	0"	42"	-						
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"						
-		GINEERING	FOR SIZES						

* CONTACT ENGINEERING FOR SIZES 8'2" THROUGH 9'2"

REV	DESCRIPTION	of Revis	ONS			DATE	BY	
12'2' DESIC +54 -62' TES' +81 -93'	X SIZE 2 x 24' SN LOADS 4.0 PSF 2.0 PSF T LOADS 1.0 PSF 3.0 PSF	Thomas L. Shelmerdine, PE (TX PE #85829) Structural Solutions, PA (TX Firm #F-004063)	TX	No.	MAS L S 858 1/ce	HELME 329 NSEO	ADINE 1	5921-G W. Friendly Ave., Greensboro, NC 27410
				_	MATIC	_		
	MOD	EL	10	00	AMA	RR	2432	
SIZE	DRAWN BY	RLR	DATE	03/23	3/17	1 '	DRAWING NUMBER	
В	CHECKED BY		DATE	03/23	3/17	IBC-	1012–195–	24-
165 CA	RRIAGE COU		EMATION:		и. N.C. 271	05 SHEET	4 OF 4	