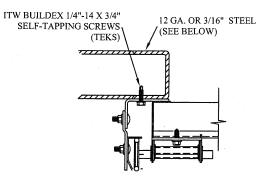


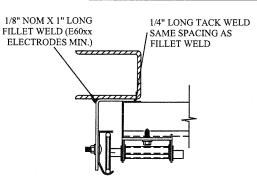
### TRACK CONNECTION DIRECTLY TO STRUCTURE OPTIONS



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

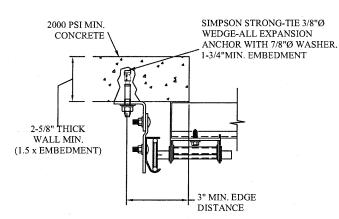
3/16" STEEL FRAMING
569 LBS./SCREW ALLOWABLE LOAD - 6" FROM ENDS
AND 24" O.C.
REFER TO NOTES: 1, 2 AND 5



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

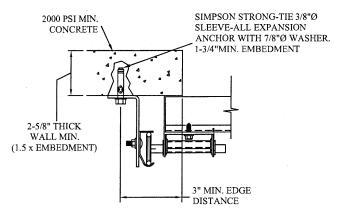
STEEL FRAMING 12GA OR BETTER 1590 LBS./IN. ALLOWABLE LOAD - 6" FROM ENDS AND 24" O.C. REFER TO NOTES: 1, 2, 5, 6, 7, 8 AND 9

MINIMUM) (TYP.)



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

DESCRIPTION OF REVISIONS

CHECKED BY RLR

# 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,

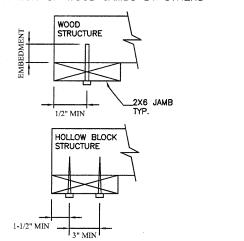
USE PAIRS OF FASTENERS (3" APART) AT 24" O.C. (1 1/4" EMBEDMENT)

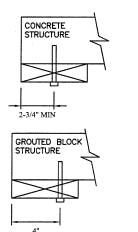
2 X 6 VERTICAL JAMB ATTACHMENT TO GROUTED C-90 BLOCK (2000 PSI GROUT)

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



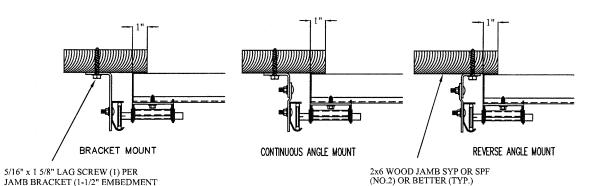


#### NOTI

- 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 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



MAX SIZE
12'2 x 24'

DESIGN LOADS
+23.8 PSF
-27.3 PSF

TEST LOADS
+35.7 PSF
-41.0 PSF

LARGE MISSILE IMPACT
RESISTANCE

TAX

THOMAS L. SMELLVIERDINE

\*\*

TAX

\*\*

T

DATE 3/9/17

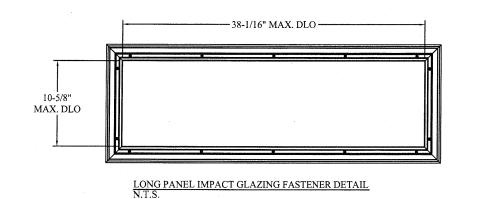
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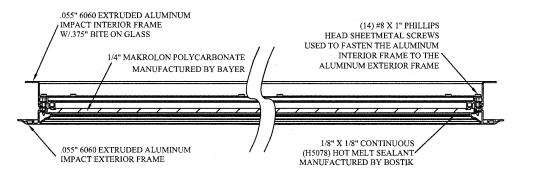
5 CARRIAGE COURT WINSTON-SALEM, N.C. 27

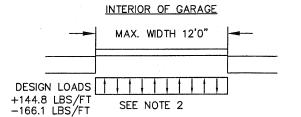
DATE

IBC-1012-130-15-

SHEET 2 OF 4







SECTION B-B IMPACT WINDOW DETAIL

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.

SPECIFICATIONS AND NOTES

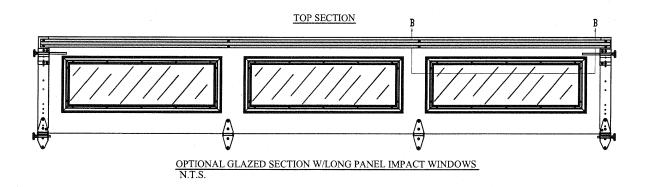
2. EACH VERTICAL JAMBS RECEIVES MAXIMUM DESIGN LOADS OF: +144.8 LBS/FT & -166.1 LBS/FT

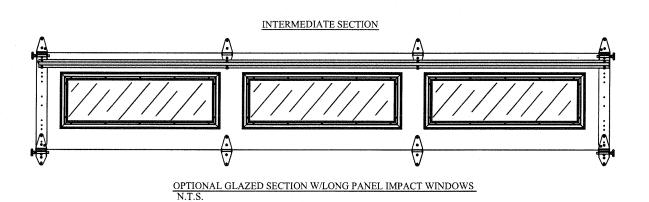
3. DOOR AND HARDWARE WILL BE DESIGNED, MANUFACTURED AND INSTALLED WITH STANDARDS AS SET FORTH BY DASMA.

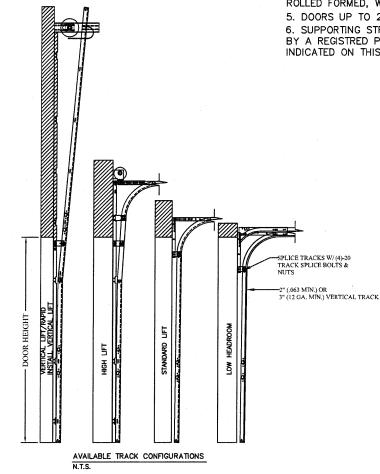
4. DOOR SECTIONS SHALL BE 24 GA. (.021) MIN. EXTERIOR SKIN ROLLED FORMED, W/ BAKED ON POLYESTER FINISH

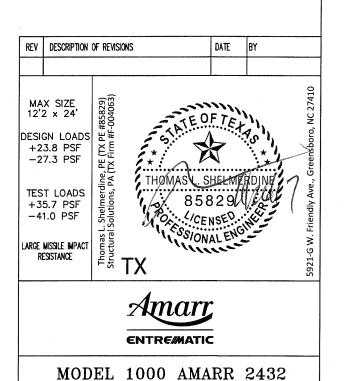
DOORS UP TO 24'0" HIGH HAVE (1) 3" 20GA STRUT PER SECTION
 SUPPORTING STRUCTURAL ELEMENTS SHALL BE DESIGNED

BY A REGISTRED PROFESSIONAL ENGINEER FOR WIND LOADS INDICATED ON THIS DRAWING IN ADDITION TO OTHER LOADINGS.









DRAWING NUMBER IBC-1012-130-15-1

SHEET 3 OF 4

SIZE DRAWN BY RLR DATE 3/9/17

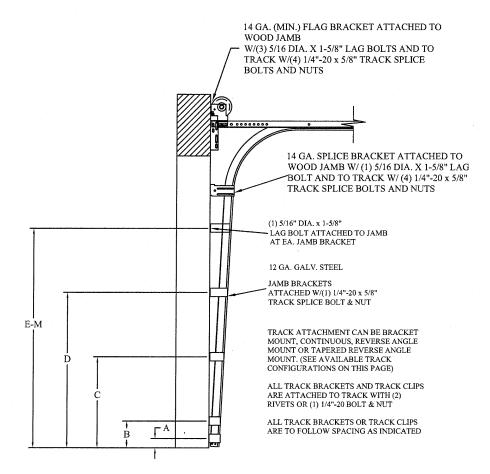
CHECKED BY RLR DATE 3/9/17
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5 CARRIAGE COURT WINSTON-SALEM, N.C. 2710

#### TABLE 1

Section		Center Stile						
1		Locations						
Wid		1st	2nd					
(fl	')	(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"					

<sup>\*</sup> CONTACT ENGINEERING FOR SIZES 8'2" THROUGH 9'2"



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

## TABLE 2

DC	OR	TRACK ATTACHMENT											TYPICAL		
HEIGHT		Α	В	С	D	E	F	G	Н	1	J	K	TL	M	SPLICE
7'	0"	3.5"	10.0"	34"	58"										76"
7'	6"	3.5"	10.0"	34"	58"										82"
8'	0"	3.5"	10.0"	34"	58"	82"									88"
8'	6"	3.5"	10.0"	34"	58"	82"									94"
9'	0"	3.5"	10.0"	34"	58"	82"									100"
9'	6"	3.5"	10.0"	34"	58"	82"									106"
10'	0"	3.5"	10.0"	34"	58"	82"	106"								112"
11'	0"	3.5"	10.0"	34"	58"	82"	106"								124"
12'	0"	3.5"	10.0"	34"	58"	82"	106"	130"							136"
13'	0"	3.5"	10.0"	34"	58"	82"	106"	130"							148"
14'	0"	3.5"	10.0"	34"	58"	82"	106"	130"	154"						160"
15'	0"	3.5"	10.0"	34"	58"	82"	106"	130"	154"						172"
16'	0"	3.5"	10.0"	34"	58"	82"	106"	130"	154"	178"					184"
17'	0"	3.5"	10.0"	34"	58"	82"	106"	130"	154"	178"					196"
18'	0"	3.5"	10.0"	34"	58"	82"	106"	130"	154"	178"	202"				208"
19'	0"	3.5"	10.0"	34"	58"	82"	106"	130"	154"	178"	202"				220"
20'	0"	3.5"	10.0"	34"	58"	82"	106"	130"	154"	178"	202"	226"			232"
21	0"	3.5"	10.0"	34"	58"	82"	106"	130"	154"	178"	202"	226"			244"
22	0"	3.5"	10.0"	34"	58"	82"	106"	130"	154"	178"	202"	226"	250"		256"
23	0"	3.5"	10.0"	34"	58"	82"	106"	130"	154"	178"	202"	226"	250"		268"
24	0"	3.5"	10.0"	34"	58"	82"	106"	130"	154"	178"	202"	226"	250"	274"	280"

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

