

REV	DESCRIPTION OF REVISIONS	DATE	BY
A	UPDATED WJATS, TCDTS, ADDED ASCE MPH DETAIL	12/6/11	RLR

MAX SIZE  
16'2" x 24'

DESIGN LOADS  
+23.5 PSF  
-26.7 PSF

TEST LOADS  
+35.25 PSF  
-40.0 PSF

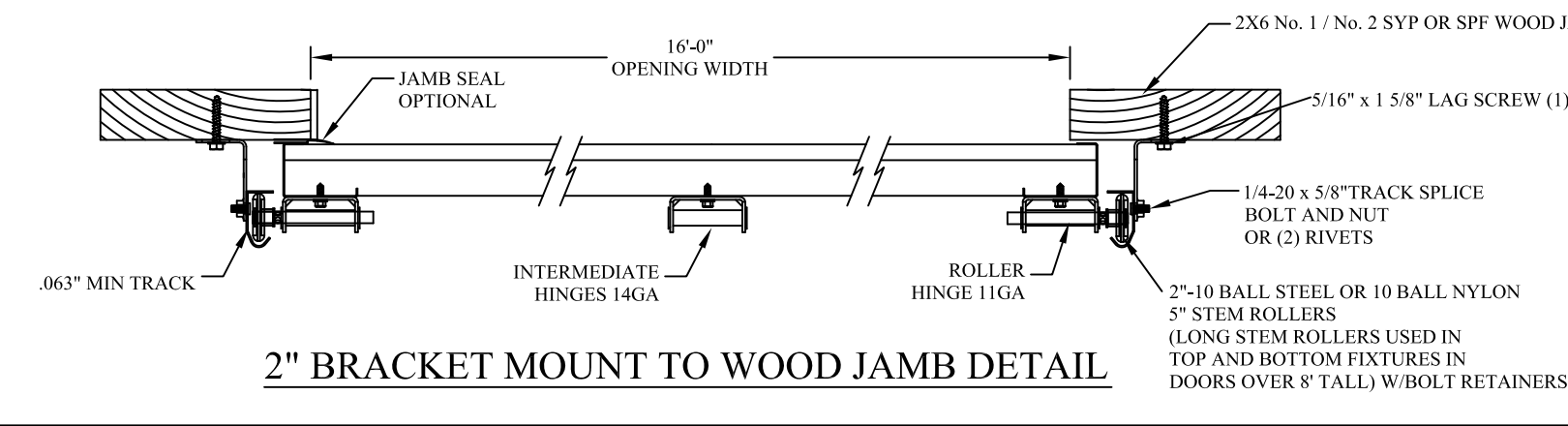
**Amarr**

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**MODEL 3550 VISTA**

SIZE	DRAWN BY BHG	DATE 6/17/10	DRAWING NUMBER
B	CHECKED BY DRC	DATE 6/17/10	IBC-3616-130-63

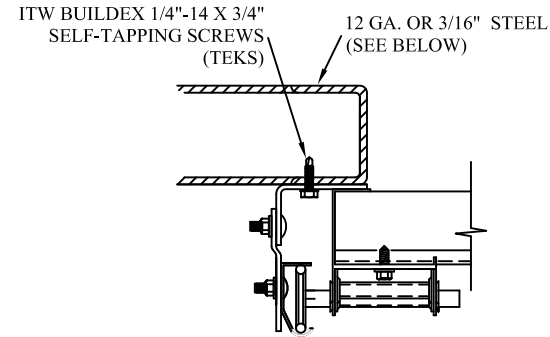
ENGINEER: THOMAS L. SHELMERDINE P.E. LIC. No. 0048579 SHEET 1 OF 3



THE METHOD OF TESTING WAS IN SUBSTANTIAL CONFORMANCE WITH THE PROCEDURES DESCRIBED IN ASTM E330, AND ANSI/DASMA 108. THE PRESSURES SHOWN ON THE DRAWINGS WERE CALCULATED USING ASCE 7-98/02/05 WITH THE FOLLOWING PARAMETERS (5 FEET OF DOOR WIDTH IN END ZONE, ROOF SLOPE 10° OR LESS):

WIND SPEED (MPH)	130	118	112	107	103
EXPOSURE LEVEL	B	C	C	D	D
MEAN ROOF HEIGHT	30'	15'	25'	15'	25'

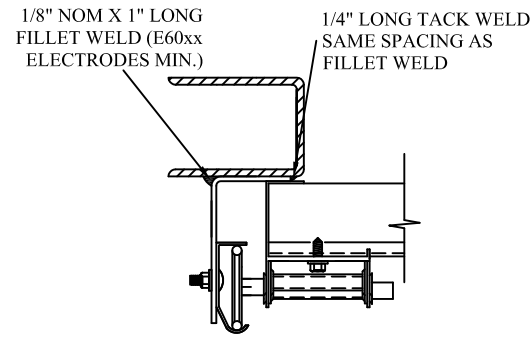
## TRACK CONNECTION DIRECTLY TO STRUCTURE OPTIONS



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

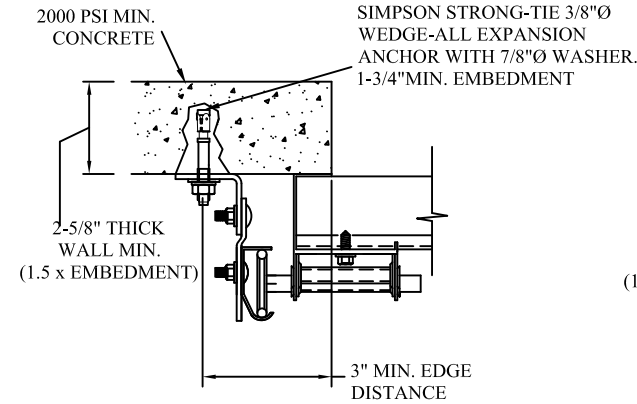
12 GA. STEEL FRAMING  
232 LBS./SCREW ALLOWABLE LOAD - 6" FROM ENDS  
AND 12" O.C.  
REFER TO NOTES: 1, 2 AND 5

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



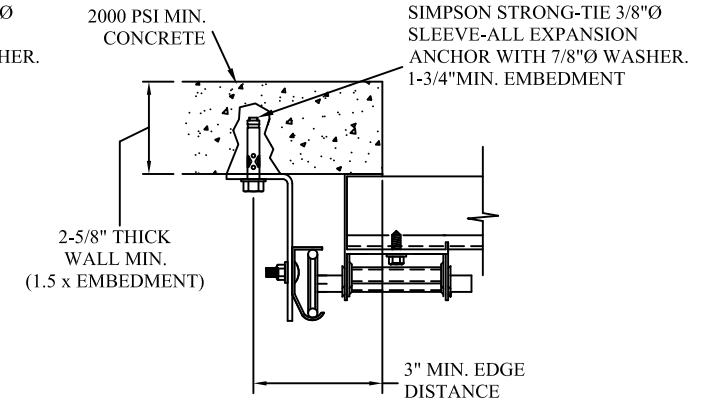
REVERSE ANGLE MOUNT SHOWN  
BRACKET, CONTINUOUS AND TAPERED  
ANGLE MOUNT AVAILABLE

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 18" O.C.  
REFER TO NOTES: 1, 2, 3, 4 AND 5

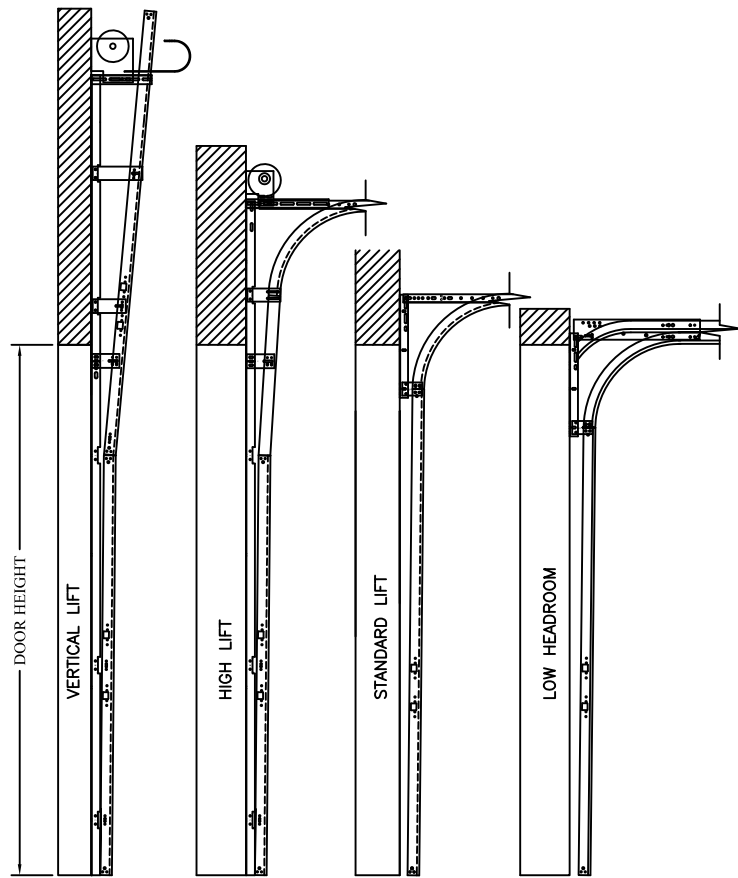


CONTINUOUS ANGLE MOUNT SHOWN  
BRACKET, CONTINUOUS AND TAPERED ANGLE  
MOUNT AVAILABLE

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

**NOTES:**

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. EDGE 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.



2" (.063 MIN.) OR 3" (12 GA. MIN.) VERTICAL TRACK

AVAILABLE TRACK CONFIGURATIONS  
N.T.S.

TABLE 1

DOOR HEIGHT	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	SPLICE S
7'	10"	22"	34"	46"	58"																		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"

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MAX SIZE  
16'2" x 24'

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TEST LOADS  
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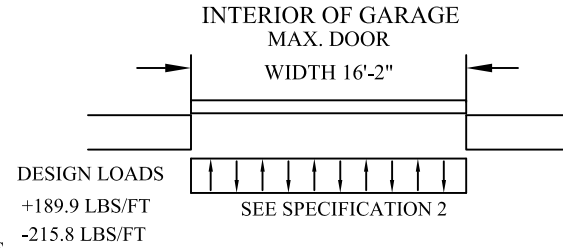
**MODEL 3550  
VISTA**

SIZE	DRAWN BY BHG	DATE 6/17/10	DRAWING NUMBER
B	CHECKED BY DRC	DATE 6/17/10	IBC-3616-130-63

ENGINEER: THOMAS L. SHELMERDINE P.E. LIC. No. 0048579 SHEET 2 OF 3

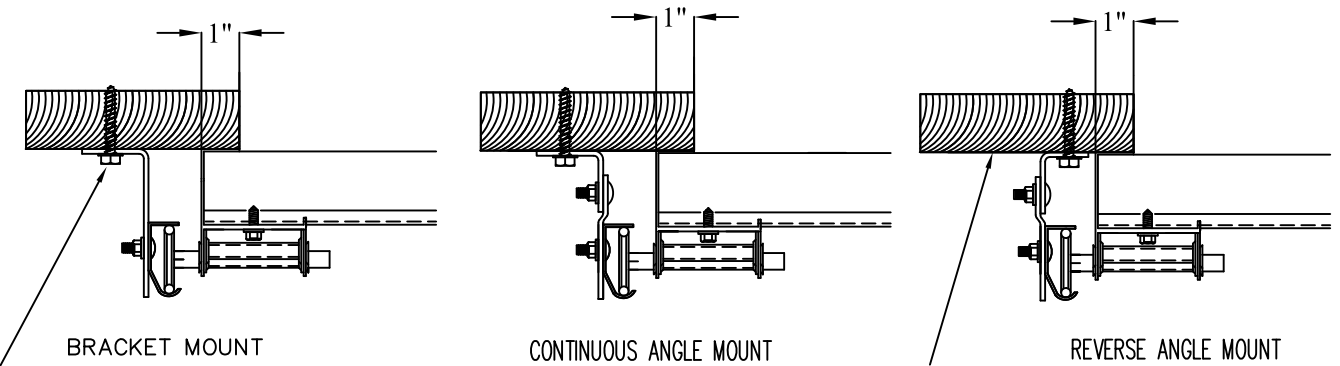
**SPECIFICATIONS**

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: +189.9 LBS/FT & -215.8 LBS/FT.
3. DOOR AND HARDWARE WILL BE DESIGNED, MANUFACTURED AND INSTALLED WITH STANDARDS AS SET FORTH BY DASMA.
4. SUPPORTING STRUCTURAL ELEMENTS SHALL BE DESIGNED BY A REGISTERED PROFESSIONAL ENGINEER FOR WIND LOADS INDICATED ON THIS DRAWING IN ADDITION TO OTHER LOADINGS.
5. GLAZING MEETS ASTM E1300-04



**TRACK CONNECTION TO WOOD JAMB OPTIONS**

FOR LAG SCREWS & BRACKET SPACING SEE TABLE 1

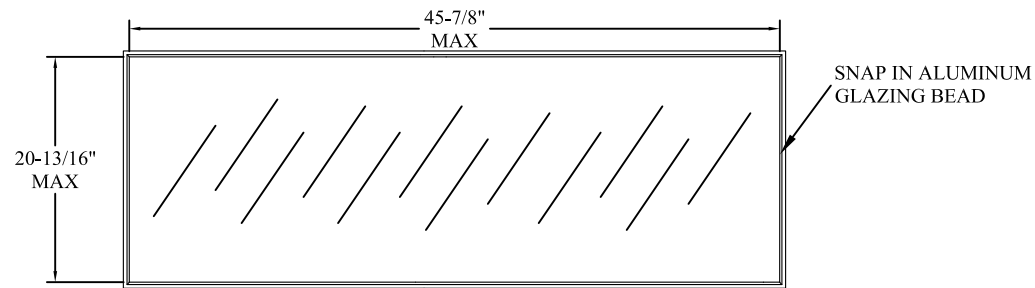


5/16" x 1 5/8" LAG SCREW (1) PER JAMB BRACKET (1-1/2" EMBEDMENT MINIMUM) (TYP.)

2x6 WOOD JAMB SYP OR SPF (NO.2) OR BETTER (TYP.)

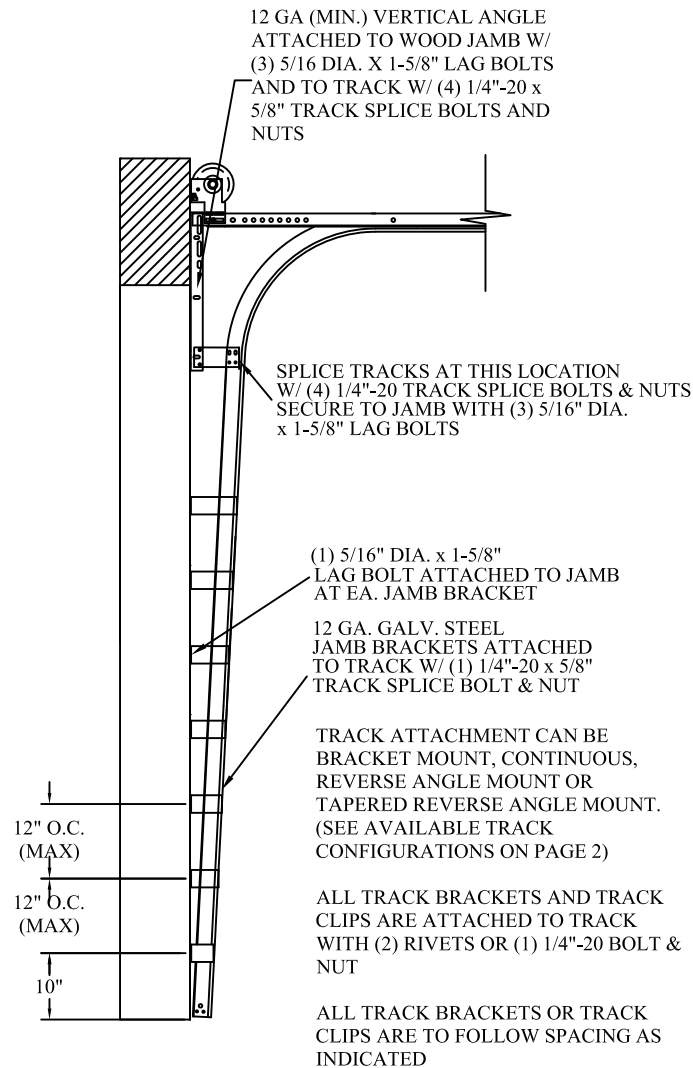
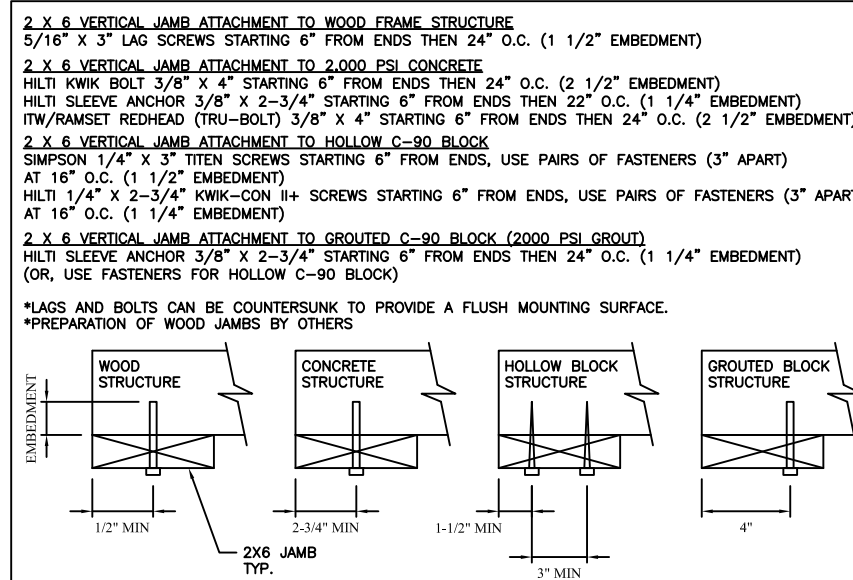
**TABLE 2**

Section Width (ft)	Center Stile Locations (From Left Edge)			Max Design Loads Allowed	
	1st (in)	2nd (in)	3rd (in)	Positive (PSF)	Negative (PSF)
9' 4"	36"	76"	-	29.8	33.9
9' 6"	37"	77"	-	29.4	33.4
9' 8"	38"	78"	-	29.0	33.0
9' 10"	39"	79"	-	28.7	32.6
10' 0"	40"	80"	-	28.3	32.2
10' 2"	41"	81"	-	28.0	31.8
10' 4"	42"	82"	-	27.6	31.4
10' 6"	43"	83"	-	27.3	31.0
10' 8"	44"	84"	-	27.0	30.6
10' 10"	45"	85"	-	26.6	30.3
11' 0"	46"	86"	-	26.3	29.9
11' 2"	47"	87"	-	26.0	29.6
11' 4"	48"	88"	-	25.7	29.2
11' 6"	49"	89"	-	25.4	28.9
11' 8"	50"	90"	-	25.2	28.6
11' 10"	51"	91"	-	24.9	28.3
12' 0"	48"	96"	-	23.6	26.8
12' 2"	49"	97"	-	23.3	26.5
12' 4"	50"	98"	-	23.1	26.2
12' 6"	51"	99"	-	22.9	26.0
12' 8"	52"	100"	-	22.6	25.7
12' 10"	53"	101"	-	22.4	25.5
13' 0"	36"	78"	120"	27.0	33.0
13' 2"	37"	79"	121"	27.0	30.6
13' 4"	38"	80"	122"	27.0	30.6
13' 6"	39"	81"	123"	27.0	30.6
13' 8"	40"	82"	124"	27.0	30.6
13' 10"	41"	83"	125"	27.0	30.6
14' 0"	42"	84"	126"	27.0	30.6
14' 2"	43"	85"	127"	26.6	30.3
14' 4"	44"	86"	128"	26.3	29.9
14' 6"	45"	87"	129"	26.0	29.6
14' 8"	46"	88"	130"	25.7	29.2
14' 10"	47"	89"	131"	25.4	28.9
14' 0"	48"	90"	132"	25.2	28.6
14' 2"	49"	91"	133"	24.9	28.3
15' 4"	50"	92"	134"	24.6	28.0
15' 6"	51"	93"	135"	24.3	27.7
15' 8"	52"	94"	136"	24.1	27.4
15' 10"	53"	95"	137"	23.8	27.1
16' 0"	48"	96"	144"	23.6	26.8
16' 2"	49"	97"	145"	23.5	26.7



GLAZING FASTENER DETAIL  
N.T.S.

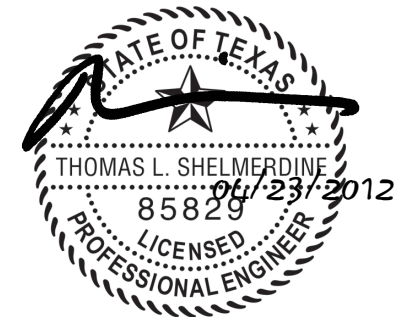
**WOOD JAMB ATTACHMENT TO STRUCTURE (OPTIONAL)**



TRACK CONFIGURATION FOR UP TO 24' TALL DOORS

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-26.7 PSF  
TEST LOADS  
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-40.0 PSF



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**MODEL 3550  
VISTA**

SIZE	DRAWN BY BHG	DATE 6/17/10	DRAWING NUMBER
B	CHECKED BY DRC <td>DATE 6/17/10</td> <td>IBC-3616-130-63</td>	DATE 6/17/10	IBC-3616-130-63

ENGINEER: THOMAS L. SHELME RDINE P.E. LIC. No. 0048579 SHEET 3 OF 3