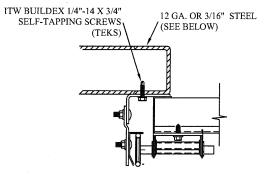


TRACK CONNECTION DIRECTLY TO STRUCTURE OPTIONS



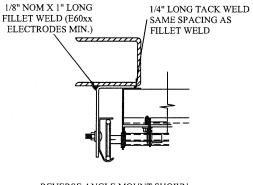
CLIP STYLE REVERSE ANGLE MOUNT SHOWN BRACKET, CONTINUOUS AND TAPERED ANGLE MOUNT AVAILABLE

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

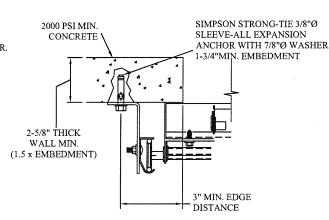
STEEL FRAMING 12GA OR BETTER 1590 LBS./IN. ALLOWABLE LOAD - 6" FROM ENDS AND 24" O.C. REFER TO NOTES: 1, 2, 5, 6, 7, 8 AND 9

- 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
- 9. TACK WELD TOE OF ANGLE AT SAME SPACING TO PREVENT ROTATION OF TRACK ANGLE.

SIMPSON STRONG-TIE 3/8"Ø 2000 PSI MIN. WEDGE-ALL EXPANSION CONCRETE ANCHOR WITH 7/8"Ø WASHER. -3/4"MIN, EMBEDMENT 2-5/8" THICK WALL MIN (1.5 x EMBEDMENT) 3" MIN. EDGE DISTANCE

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 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 20" O.C. (1 1/4" EMBEDMENT)

ITW/RAMSET REDHEAD (TRU-BOLT) 3/8" X 4" STARTING 6" FROM ENDS THÉN 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)

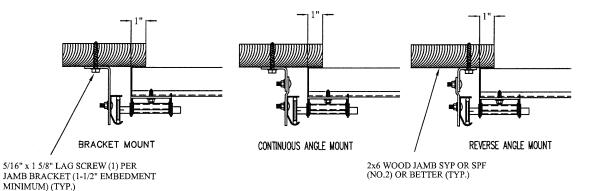
(OR, USE FASTENERS FOR HOLLOW C-90 BLOCK)

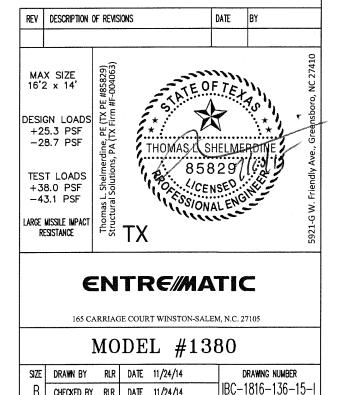
*LAGS AND BOLTS CAN BE COUNTERSUNK TO PROVIDE A FLUSH MOUNTING SURFACE.

*PREPARATION OF WOOD JAMBS BY OTHERS WOOD STRUCTURE CONCRETE STRUCTURE 2X6 JAMB HOLLOW BLOCK GROUTED BLOCK STRUCTURE STRUCTURE



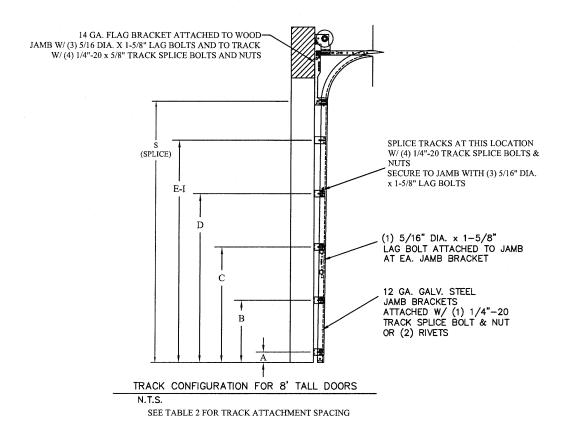
FOR LAG SCREWS & BRACKET SPACING SEE TRACK CONFIGURATION DETAIL





SHEET 2 OF 3

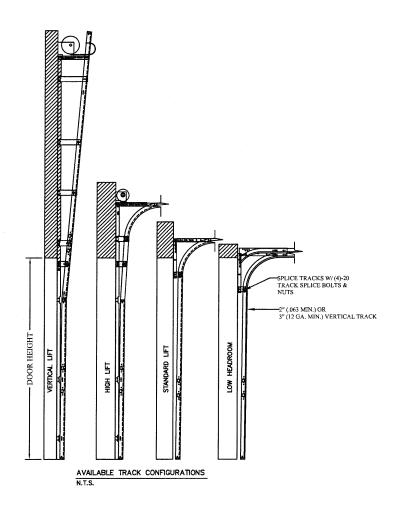
CHECKED BY RLR DATE 11/24/14





DOOR HEIGHT		TRACK ATTACHMENT									
		Α	В	С	D	E	F	G	Н	I	SPLICE
7'	0"	3.5"	21"	39"	57"						76"
7'	6"	3.5"	21"	39"	57"	75"					82"
8'	0"	3.5"	21"	39"	57"	75"					88"
9'	0"	3.5"	21"	39"	57"	75"	93"				100"
9'	6"	3.5"	21"	39"	57"	75"	93"				106"
10'	0"	3.5"	21"	39"	57"	75"	93"				112"
11'	0"	3.5"	21"	39"	57"	75"	93"	111"			124"
12'	0"	3.5"	21"	39"	57"	75"	93"	111"	129"		136"
13'	0"	3.5"	21"	39"	57"	75"	93"	111"	129"		148"
14'	0"	3.5"	21"	39"	57"	75"	93"	111"	129"	147"	160"

ALL TRACK ATTACHMENT SPACING +/-2" ALLOWED WITH SPF OR SYP NO. 2 OR BETTER ONLY



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: +204.5 LBS/FT & -232.0 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. DOORS UP TO 14'0" HIGH HAVE (2) 3" 20GA STRUTS PER 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.

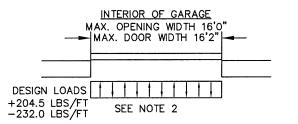
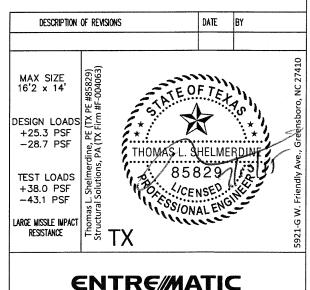


TABLE 1

Center Stile Locations (Measured from Left Edge) 1st (in) 2nd (in) 3rd (in) 12' 4" 51.084 96.916 - 12' 6" 51.170 98.830 - 12' 10" 53.100 100.900 - 13' 0" 54.100 101.900 - 13' 2" 55.1 102.9 - 13' 4" 54.900 105.100 - 13' 6" 55.900 106.100 - 13' 8" 56.625 107.375 - 13' 10" 57.170 108.830 - 14' 0" 58.625 109.375 - 14' 2" 59.2 110.8 - 14' 4" 60.170 111.830 - 14' 6" 61.170 112.830 - 14' 6" 61.170 112.830 - 14' 8" 44.812 88.000 131.188 14' 10" 45.600 89.000 132.400 15' 0" 46.600 90.000 133.400 15' 2" 47.6 91.0 134.4 15' 4" 47.250 92.000 138.400 15' 6" 47.600 93.000 138.400 15' 8" 48.600 94.000 139.400 15' 10" 49.167 95.000 140.833 16' 0" 50.600 96.000 141.400 16' 2" 51.2 97.0 142.8										
Width (ft)	Sec	tion	Center Stile Locations							
(ft) 1st (in) 2nd (in) 3rd (in) 12' 4" 51.084 96.916 - 12' 6" 51.170 98.830 - 12' 8" 52.100 99.900 - 12' 10" 53.100 100.900 - 13' 0" 54.100 101.900 - 13' 2" 55.1 102.9 - 13' 4" 54.900 105.100 - 13' 6" 55.900 106.100 - 13' 8" 56.625 107.375 - 13' 10" 57.170 108.830 - 14' 0" 58.625 109.375 - 14' 0" 58.625 109.375 - 14' 4" 60.170 111.830 - 14' 4" 60.170 111.830 - 14' 4" 60.170 112.830 -	I .									
12' 4" 51.084 96.916 -	1		_	2nd (in)	3rd (in)					
12' 6" 51.170 98.830 - 12' 8" 52.100 99.900 - 12' 10" 53.100 100.900 - 13' 0" 54.100 101.900 - 13' 2" 55.1 102.9 - 13' 4" 54.900 105.100 - 13' 6" 55.900 106.100 - 13' 8" 56.625 107.375 - 13' 10" 57.170 108.830 - 14' 0" 58.625 109.375 - 14' 0" 58.625 109.375 - 14' 4" 60.170 111.830 - 14' 4" 60.170 111.830 - 14' 8" 44.812 88.000 131.188 14' 10" 45.600 89.000 132.400 15' 0" 46.600 90.000 133.400	(11)		(in)	Z110 (111)	014 (111)					
12' 8" 52.100 99.900 - 12' 10" 53.100 100.900 - 13' 0" 54.100 101.900 - 13' 2" 55.1 102.9 - 13' 4" 54.900 105.100 - 13' 6" 55.900 106.100 - 13' 8" 56.625 107.375 - 13' 10" 57.170 108.830 - 14' 0" 58.625 109.375 - 14' 2" 59.2 110.8 - 14' 4" 60.170 111.830 - 14' 6" 61.170 112.830 - 14' 6" 61.170 112.830 - 14' 8" 44.812 88.000 131.188 14' 10" 45.600 89.000 132.400 15' 0" 46.600 90.000 133.400 <td>12'</td> <td>4"</td> <td>51.084</td> <td>96.916</td> <td colspan="2">_</td>	12'	4"	51.084	96.916	_					
12' 10" 53.100 100.900 - 13' 0" 54.100 101.900 - 13' 2" 55.1 102.9 - 13' 4" 54.900 105.100 - 13' 6" 55.900 106.100 - 13' 8" 56.625 107.375 - 13' 10" 57.170 108.830 - 14' 0" 58.625 109.375 - 14' 2" 59.2 110.8 - 14' 4" 60.170 111.830 - 14' 4" 60.170 112.830 - 14' 6" 61.170 112.830 - 14' 8" 44.812 88.000 131.188 14' 10" 45.600 89.000 132.400 15' 0" 46.600 90.000 133.400 15' 4" 47.250 92.000 136.	12'	6"	51.170	98.830	-					
13' 0" 54.100 101.900 - 13' 2" 55.1 102.9 - 13' 4" 54.900 105.100 - 13' 6" 55.900 106.100 - 13' 8" 56.625 107.375 - 13' 10" 57.170 108.830 - 14' 0" 58.625 109.375 - 14' 2" 59.2 110.8 - 14' 4" 60.170 111.830 - 14' 4" 60.170 112.830 - 14' 8" 44.812 88.000 131.188 14' 10" 45.600 89.000 132.400 15' 0" 46.600 90.000 133.400 15' 2" 47.6 91.0 134.4 15' 4" 47.250 92.000 136.750 15' 6" 47.600 93.000 1	12'	8"	52.100	99.900	-					
13' 2" 55.1 102.9 - 13' 4" 54.900 105.100 - 13' 6" 55.900 106.100 - 13' 8" 56.625 107.375 - 13' 10" 57.170 108.830 - 14' 0" 58.625 109.375 - 14' 2" 59.2 110.8 - 14' 4" 60.170 111.830 - 14' 6" 61.170 112.830 - 14' 8" 44.812 88.000 131.188 14' 10" 45.600 89.000 132.400 15' 0" 46.600 90.000 133.400 15' 2" 47.6 91.0 134.4 15' 4" 47.250 92.000 136.750 15' 6" 47.600 93.000 138.400 15' 8" 48.600 94.000	12'	10"	53.100	100.900						
13' 4" 54.900 105.100 - 13' 6" 55.900 106.100 - 13' 8" 56.625 107.375 - 13' 10" 57.170 108.830 - 14' 0" 58.625 109.375 - 14' 2" 59.2 110.8 - 14' 4" 60.170 111.830 - 14' 6" 61.170 112.830 - 14' 8" 44.812 88.000 131.188 14' 10" 45.600 89.000 132.400 15' 0" 46.600 90.000 133.400 15' 2" 47.6 91.0 134.4 15' 4" 47.250 92.000 136.750 15' 6" 47.600 93.000 138.400 15' 8" 48.600 94.000 139.400 15' 10" 49.167 95.000 <td>13'</td> <td>0"</td> <td>54.100</td> <td>101.900</td> <td colspan="2"></td>	13'	0"	54.100	101.900						
13' 6" 55.900 106.100 - 13' 8" 56.625 107.375 - 13' 10" 57.170 108.830 - 14' 0" 58.625 109.375 - 14' 2" 59.2 110.8 - 14' 4" 60.170 111.830 - 14' 6" 61.170 112.830 - 14' 8" 44.812 88.000 131.188 14' 10" 45.600 89.000 132.400 15' 0" 46.600 90.000 133.400 15' 2" 47.6 91.0 134.4 15' 4" 47.250 92.000 136.750 15' 6" 47.600 93.000 138.400 15' 8" 48.600 94.000 139.400 15' 10" 49.167 95.000 140.833 16' 0" 50.600 96.00	13'	2"	55.1	102.9	-					
13' 8" 56.625 107.375 - 13' 10" 57.170 108.830 - 14' 0" 58.625 109.375 - 14' 2" 59.2 110.8 - 14' 4" 60.170 111.830 - 14' 6" 61.170 112.830 - 14' 8" 44.812 88.000 131.188 14' 10" 45.600 89.000 132.400 15' 0" 46.600 90.000 133.400 15' 2" 47.6 91.0 134.4 15' 4" 47.250 92.000 136.750 15' 6" 47.600 93.000 138.400 15' 8" 48.600 94.000 139.400 15' 10" 49.167 95.000 140.833 16' 0" 50.600 96.000 141.400	13'	4"	54.900	105.100	-					
13' 10" 57.170 108.830 - 14' 0" 58.625 109.375 - 14' 2" 59.2 110.8 - 14' 4" 60.170 111.830 - 14' 6" 61.170 112.830 - 14' 8" 44.812 88.000 131.188 14' 10" 45.600 89.000 132.400 15' 0" 46.600 90.000 133.400 15' 2" 47.6 91.0 134.4 15' 4" 47.250 92.000 136.750 15' 6" 47.600 93.000 138.400 15' 8" 48.600 94.000 139.400 15' 10" 49.167 95.000 140.833 16' 0" 50.600 96.000 141.400	13'	6"	55.900	106.100	-					
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14' 2" 59.2 110.8 - 14' 4" 60.170 111.830 - 14' 6" 61.170 112.830 - 14' 8" 44.812 88.000 131.188 14' 10" 45.600 89.000 132.400 15' 0" 46.600 90.000 133.400 15' 2" 47.6 91.0 134.4 15' 4" 47.250 92.000 136.750 15' 6" 47.600 93.000 138.400 15' 8" 48.600 94.000 139.400 15' 10" 49.167 95.000 140.833 16' 0" 50.600 96.000 141.400	13'	10"	57.170	108.830	-					
14' 4" 60.170 111.830 - 14' 6" 61.170 112.830 - 14' 8" 44.812 88.000 131.188 14' 10" 45.600 89.000 132.400 15' 0" 46.600 90.000 133.400 15' 2" 47.6 91.0 134.4 15' 4" 47.250 92.000 136.750 15' 6" 47.600 93.000 138.400 15' 8" 48.600 94.000 139.400 15' 10" 49.167 95.000 140.833 16' 0" 50.600 96.000 141.400	14'	0"	58.625	109.375	-					
14' 6" 61.170 112.830 - 14' 8" 44.812 88.000 131.188 14' 10" 45.600 89.000 132.400 15' 0" 46.600 90.000 133.400 15' 2" 47.6 91.0 134.4 15' 4" 47.250 92.000 136.750 15' 6" 47.600 93.000 138.400 15' 8" 48.600 94.000 139.400 15' 10" 49.167 95.000 140.833 16' 0" 50.600 96.000 141.400	14'	2"	59.2	110.8	1					
14' 8" 44.812 88.000 131.188 14' 10" 45.600 89.000 132.400 15' 0" 46.600 90.000 133.400 15' 2" 47.6 91.0 134.4 15' 4" 47.250 92.000 136.750 15' 6" 47.600 93.000 138.400 15' 8" 48.600 94.000 139.400 15' 10" 49.167 95.000 140.833 16' 0" 50.600 96.000 141.400	14'	4"	60.170	111.830	-					
14' 10" 45.600 89.000 132.400 15' 0" 46.600 90.000 133.400 15' 2" 47.6 91.0 134.4 15' 4" 47.250 92.000 136.750 15' 6" 47.600 93.000 138.400 15' 8" 48.600 94.000 139.400 15' 10" 49.167 95.000 140.833 16' 0" 50.600 96.000 141.400	14'	6"	61.170	112.830	-					
15' 0" 46.600 90.000 133.400 15' 2" 47.6 91.0 134.4 15' 4" 47.250 92.000 136.750 15' 6" 47.600 93.000 138.400 15' 8" 48.600 94.000 139.400 15' 10" 49.167 95.000 140.833 16' 0" 50.600 96.000 141.400	14'	8"	44.812	88.000	131.188					
15' 2" 47.6 91.0 134.4 15' 4" 47.250 92.000 136.750 15' 6" 47.600 93.000 138.400 15' 8" 48.600 94.000 139.400 15' 10" 49.167 95.000 140.833 16' 0" 50.600 96.000 141.400	14'		45.600	89.000	132.400					
15' 4" 47.250 92.000 136.750 15' 6" 47.600 93.000 138.400 15' 8" 48.600 94.000 139.400 15' 10" 49.167 95.000 140.833 16' 0" 50.600 96.000 141.400	15'	0"	46.600	90.000	133.400					
15' 6" 47.600 93.000 138.400 15' 8" 48.600 94.000 139.400 15' 10" 49.167 95.000 140.833 16' 0" 50.600 96.000 141.400	15'	2"	47.6	91.0	134.4					
15' 8" 48.600 94.000 139.400 15' 10" 49.167 95.000 140.833 16' 0" 50.600 96.000 141.400	15'	4"	47.250	92.000	136.750					
15' 10" 49.167 95.000 140.833 16' 0" 50.600 96.000 141.400	15'	6"	47.600	93.000	138.400					
16' 0" 50.600 96.000 141.400	15'	8"	48.600	94.000	139.400					
	15'	10"	49.167	95.000	140.833					
16' 2" 51.2 97.0 142.8	16'	0"	50.600	96.000	141.400					
	16'	2"	51.2	97.0	142.8					



165 CARRIAGE COURT WINSTON-SALEM, N.C. 27105

MODEL #1380

DRAWING NUMBER IBC—1816—136—15—1

SHEET 3 OF 3

DRAWN BY RLR DATE 11/24/14

CHECKED BY RLR DATE 11/24/14