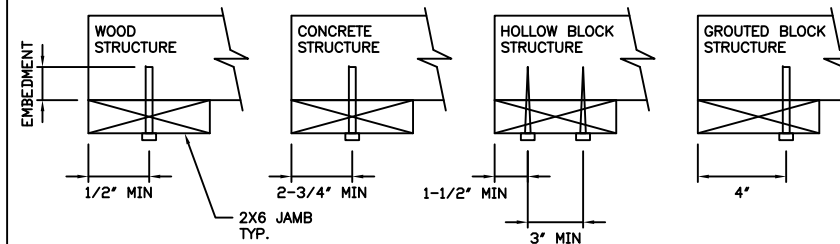


WOOD JAMB ATTACHMENT TO STRUCTURE (OPTIONAL)

- 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 GROUDED 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



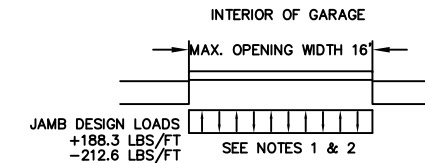
MAX SIZE 16'2 x 24'		
DESIGN LOADS +23.3 PSF -26.3 PSF		
TEST LOADS (1.5 x DESIGN LOADS) +34.95 PSF -39.45 PSF		
165 CARRIAGE COURT WINSTON-SALEM, N.C. 27105		
MODEL #1000		
SIZE	DRAWN BY DRC	DATE 06/28/11
B	CHECKED BY BHG	DATE 06/28/11
ENGINEER: THOMAS L. SHELMERDINE P.E. LIC. No. 0048579		DRAWING NUMBER IBC-1016-130-15
SHEET 1 OF 2		

TABLE 1

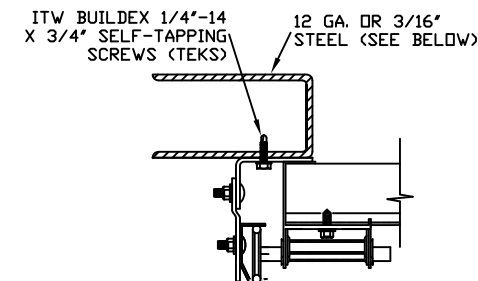
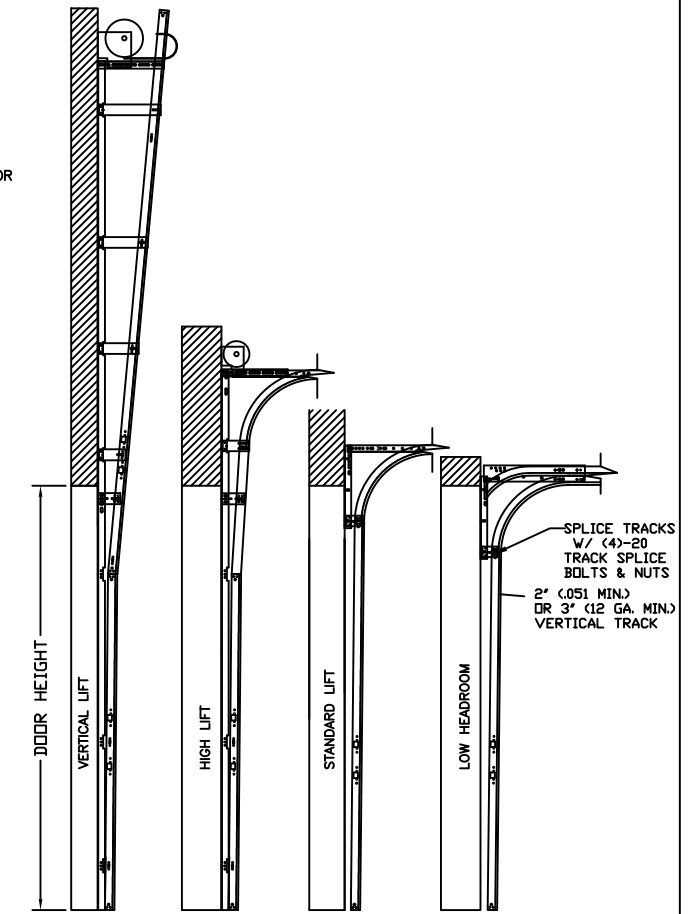
Section Width (ft)	Center Stile Locations (From Left Edge)			Max Design Loads Allowed	
	1st (in)	2nd (in)	3rd (in)	Positive (PSF)	Negative (PSF)
9' 4"	36"	76"	-	29.5	33.3
9' 6"	37"	77"	-	29.2	32.9
9' 8"	38"	78"	-	28.8	32.5
9' 10"	39"	79"	-	28.4	32.1
10' 0"	40"	80"	-	28.1	31.7
10' 2"	41"	81"	-	27.7	31.3
10' 4"	42"	82"	-	27.4	30.9
10' 6"	43"	83"	-	27.0	30.5
10' 8"	44"	84"	-	26.7	30.2
10' 10"	45"	85"	-	26.4	29.8
11' 0"	46"	86"	-	26.1	29.5
11' 2"	47"	87"	-	25.8	29.1
11' 4"	48"	88"	-	25.5	28.8
11' 6"	49"	89"	-	25.2	28.5
11' 8"	50"	90"	-	24.9	28.2
11' 10"	51"	91"	-	24.7	27.8
12' 0"	48"	96"	-	23.4	26.4
12' 2"	49"	97"	-	23.1	26.1
12' 4"	50"	98"	-	22.9	25.9
12' 6"	51"	99"	-	22.7	25.6
12' 8"	52"	100"	-	22.4	25.3
12' 10"	53"	101"	-	22.2	25.1
13' 0"	36"	78"	120"	26.7	30.2
13' 2"	37"	79"	121"	26.7	30.2
13' 4"	38"	80"	122"	26.7	30.2
13' 6"	39"	81"	123"	26.7	30.2
13' 8"	40"	82"	124"	26.7	30.2
13' 10"	41"	83"	125"	26.7	30.2
14' 0"	42"	84"	126"	26.7	30.2
14' 2"	43"	85"	127"	26.4	29.8
14' 4"	44"	86"	128"	26.1	29.5
14' 6"	45"	87"	129"	25.8	29.1
14' 8"	46"	88"	130"	25.5	28.8
14' 10"	47"	89"	131"	25.2	28.5
14' 0"	48"	90"	132"	24.9	28.2
15' 2"	49"	91"	133"	24.7	27.8
15' 4"	50"	92"	134"	24.4	27.5
15' 6"	51"	93"	135"	24.1	27.2
15' 8"	52"	94"	136"	23.9	27.0
15' 10"	53"	95"	137"	23.6	26.7
16' 0"	48"	96"	144"	23.4	26.4
16' 2"	49"	97"	145"	23.3	26.7

TABLE 2

DOOR HEIGHT	TRACK ATTACHMENT						SPLICE
	A	B	C	D	E	F	
6' 6"	10"	34"	58"				70"
7'	10"	34"	58"				76"
7' 6"	10"	34"	58"				82"
8'	10"	34"	58"				88"
8' 6"	10"	34"	58"	82"			94"
9'	10"	34"	58"	82"			100"
9' 6"	10"	34"	58"	82"			106"
10'	10"	34"	58"	82"			112"
10' 6"	10"	34"	58"	82"	100"		118"
11'	10"	34"	58"	82"	106"		124"
11' 6"	10"	34"	58"	82"	100"		130"
12'	10"	34"	58"	82"	106"		136"
12' 6"	10"	34"	58"	82"	98"	124"	142"
13'	10"	34"	58"	82"	106"	130"	148"
13' 6"	10"	34"	58"	82"	98"	124"	154"
14'	10"	34"	58"	82"	106"	130"	160"



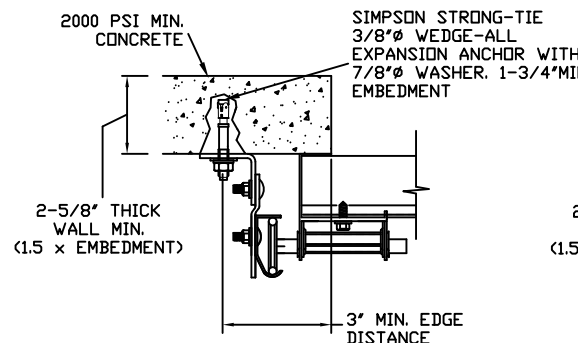
- SPECIFICATIONS AND NOTES**
- EACH VERTICAL JAMBS RECEIVES MAXIMUM DESIGN LOADS OF: +188.3 LBS/FT & -212.6 LBS/FT
 - DOORS AND HARDWARE WILL BE DESIGNED, MANUFACTURED AND INSTALLED WITH STANDARDS AS SET FORTH BY DASMA.
 - DOOR SECTIONS SHALL BE 24 GA. MIN. EXTERIOR, 27 GA. (MIN) INTERIOR ROLLED FORMED LIGHT COMMERCIAL QUALITY, G-40 GALVANIZATION
 - SUPPORTING STRUCTURAL ELEMENTS SHALL BE DESIGNED BY A REGISTERED PROFESSIONAL ENGINEER FOR WIND LOADS INDICATED ON THIS DRAWING IN ADDITION TO OTHER LOADINGS.
 - THE METHOD OF TESTING WAS IN SUBSTANTIAL CONFORMANCE WITH THE PROCEDURE DESCRIBED IN DASMA 108 AND ASTM E330. THE PRESSURES SHOWN ON THE DRAWINGS WERE CALCULATED USING ASCE 7 WITH THE FOLLOWING PARAMETERS:
 - A. BASE DOOR SIZE 16' X 8'
 - B. BASIC WIND SPEED OF 130 MPH (PEAK GUST)
 - C. DOOR CAN BE INSTALLED WITH 5 FEET OF DOORS WIDTH INSIDE THE EDGE STRIP.
 - D. 30' OR LESS MEAN ROOF HEIGHT AT <10' ROOF SLOPE
 - E. USE FACTOR OF 1.0
 - F. EXPOSURE RATING OF B



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

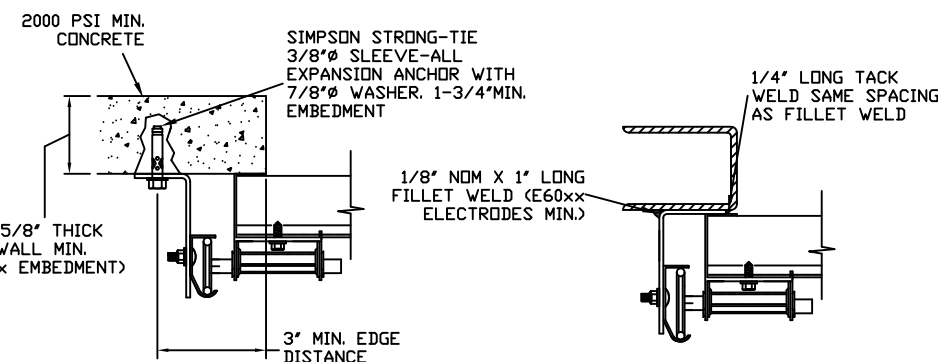
12 GA. STEEL FRAMING
232 LBS./SCREW ALLOWABLE LOAD - 6' FROM ENDS AND 12' O.C. REFER TO NOTES: 1, 2 AND 5

3/16\"/>



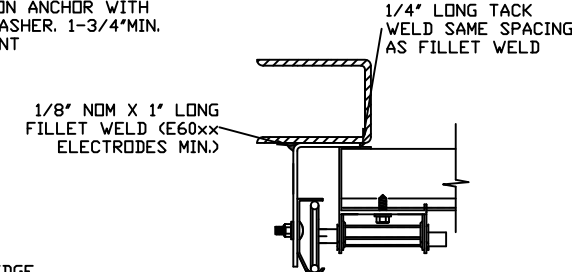
CONTINUOUS ANGLE MOUNT SHOWN BRACKET, REVERSE AND TAPERED ANGLE MOUNT AVAILABLE

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



REVERSE 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



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

NOTES:

- ANCHORS TO BE EVENLY SPACED BETWEEN THE HEADER AND FLOOR.
- 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.
- MIN. EDGE DISTANCE OF 3' REQUIRED.
- USE WASHERS PROVIDED BY THE ANCHOR MANUFACTURER.
- SUPPORTING STRUCTURAL ELEMENTS SHALL BE DESIGNED BY A REGISTERED PROFESSIONAL ENGINEER FOR WIND LOADS IN ADDITION TO OTHER LOADS.
- MOST GARAGE DOOR TRACK IS GALVANIZED STEEL. USE ALL NECESSARY PRECAUTIONS WHEN WELDING GALVANIZED STEEL.
- ALL WELDS SHOULD BE PERFORMED BY A CERTIFIED WELDER OR INSPECTED BY A CERTIFIED WELDING INSPECTOR TO VERIFY THE INTEGRITY OF THE WELD.
- FILLET WELDS TO HAVE A STRAIGHT OR CONVEX FACE SURFACE.
- TACK WELD TOE OF ANGLE AT SAME SPACING TO PREVENT ROTATION OF TRACK ANGLE.

MAX SIZE
16'2 x 24'

DESIGN LOADS
+23.3 PSF
-26.3 PSF

TEST LOADS
(1.5 x DESIGN LOADS)
+34.95 PSF
-39.45 PSF

Amarr

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

MODEL #1000

SIZE	DRAWN BY	DRC	DATE	06/28/11	DRAWING NUMBER
B	CHECKED BY	BHG	DATE	06/28/11	IBC-1016-130-15

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