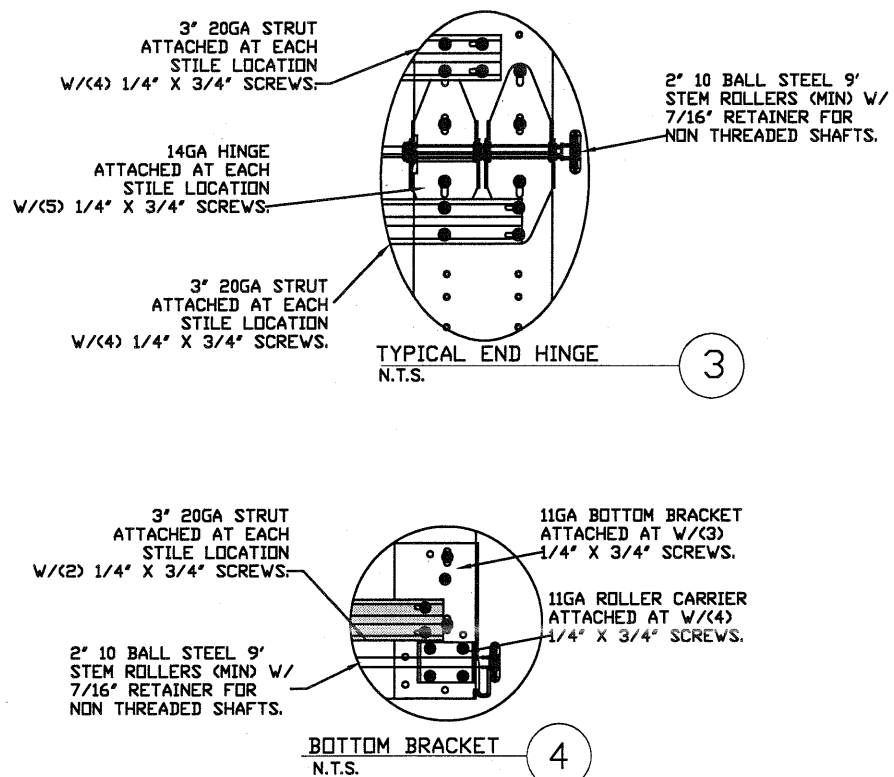
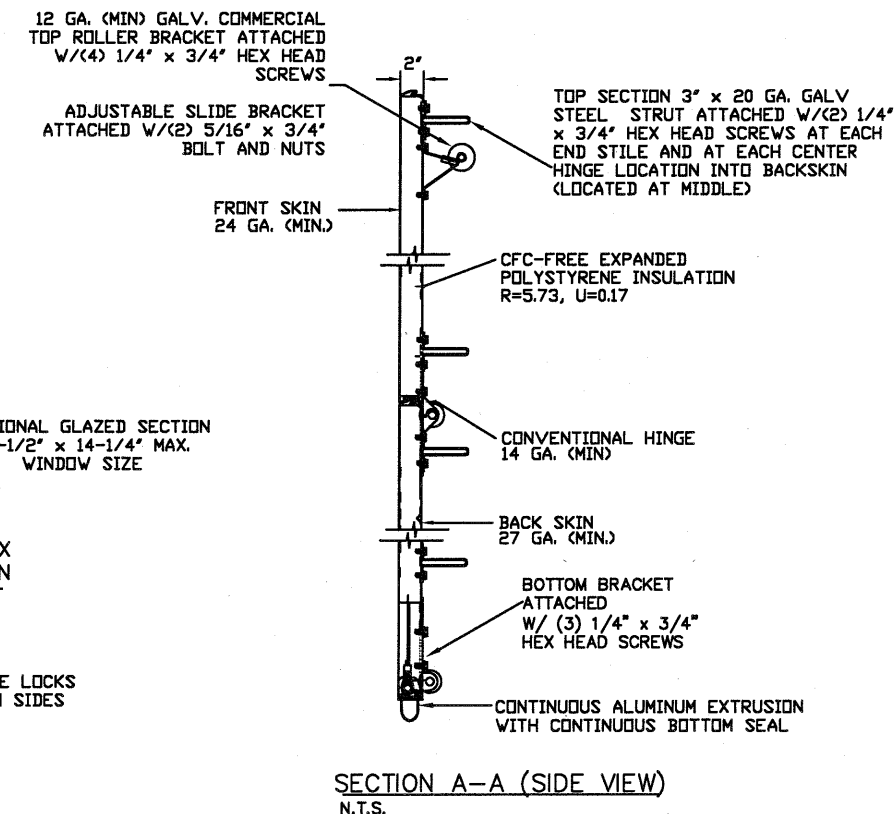
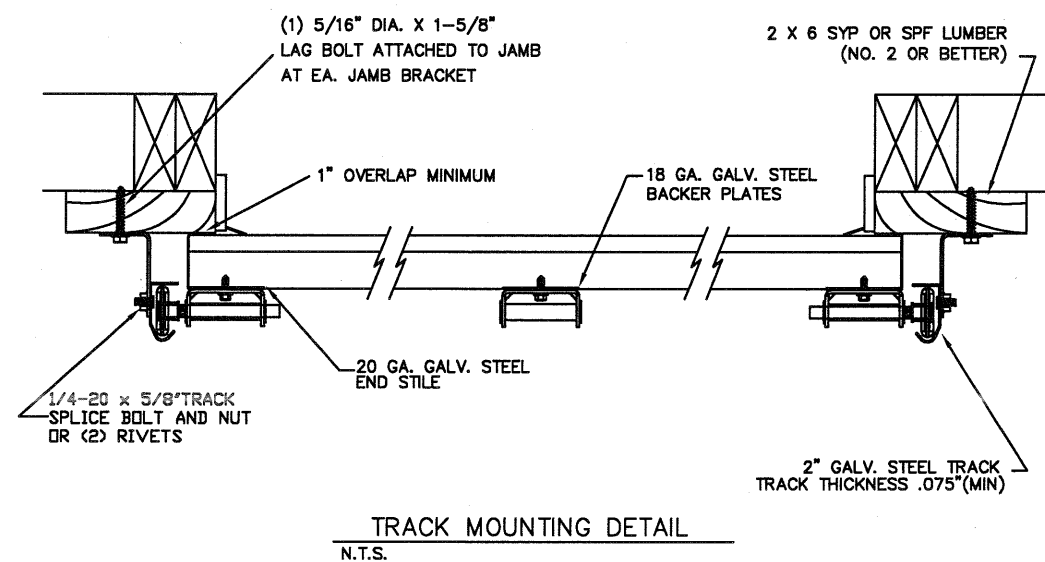
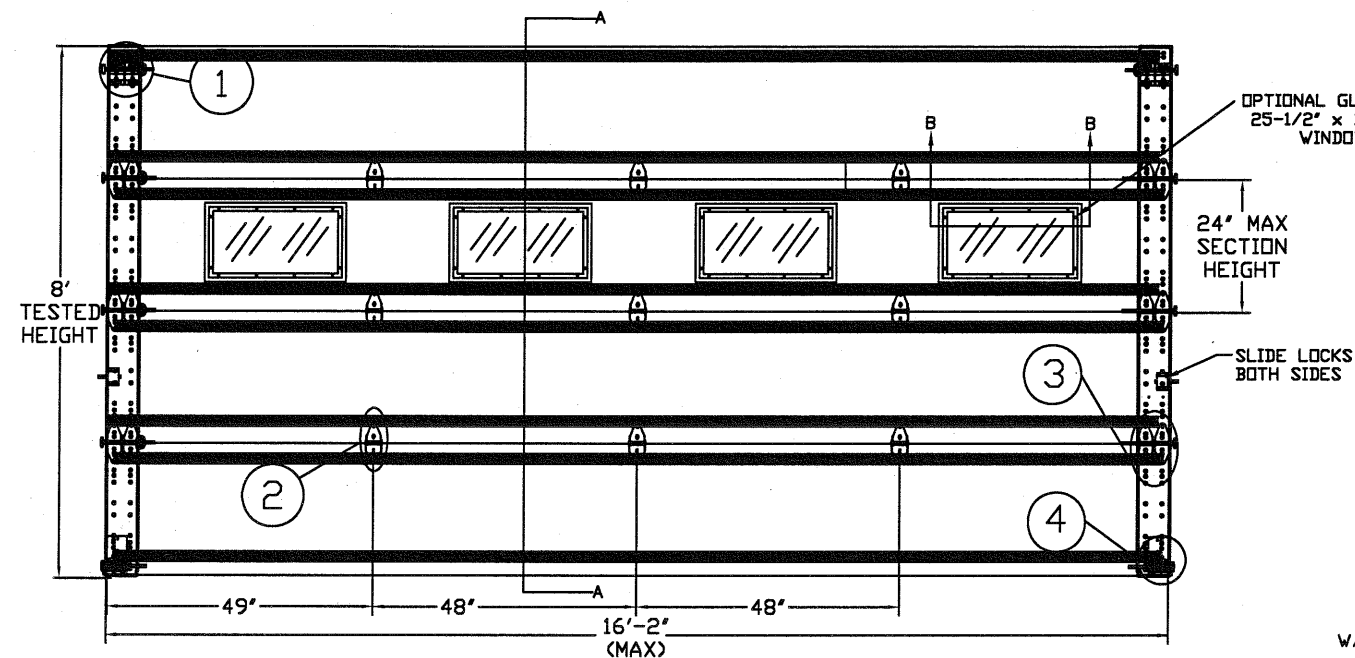
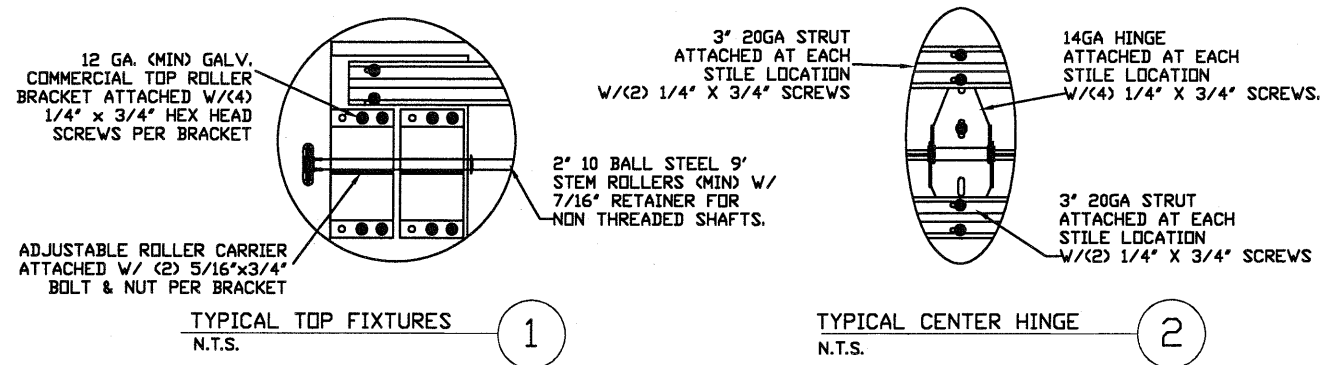




THE METHOD OF TESTING WAS IN SUBSTANTIAL CONFORMANCE WITH THE PROCEDURES DESCRIBED IN ASTM E330, AND DASHA 108. THE PRESSURES SHOWN ON THE DRAWINGS WERE CALCULATED USING ASCE 7-16 WITH THE FOLLOWING PARAMETERS (5 FEET OF DOOR WIDTH IN END ZONE, ROOF SLOPE 10° OR LESS):

WIND SPEED (MPH)	167	151	144	138	132
EXPOSURE LEVEL	B	C	C	D	D
MEAN ROOF HEIGHT	30'	15'	25'	15'	25'

REV	DESCRIPTION OF REVISIONS	DATE	BY

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

FL

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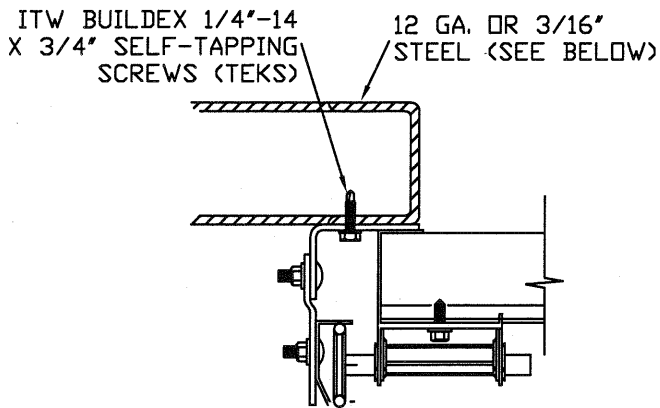
MODEL 1000 AMARR 2432

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

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SHEET 1 OF 3

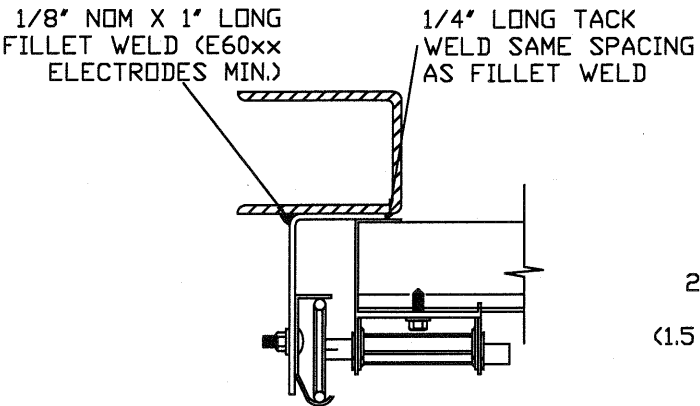
TRACK CONNECTION DIRECTLY TO STRUCTURE OPTIONS



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

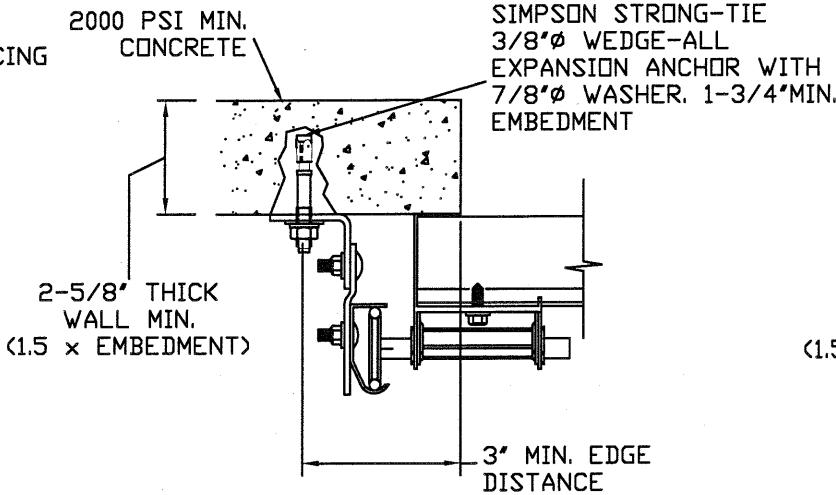
12 GA. STEEL FRAMING
232 LBS./SCREW ALLOWABLE LOAD - 6'
FROM ENDS AND 12' O.C.
REFER TO NOTES: 1, 2 AND 5

3/16\"/>



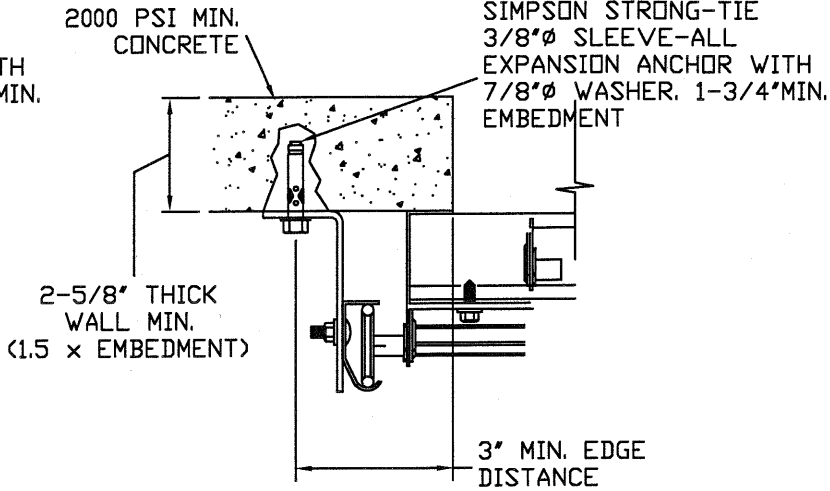
REVERSE ANGLE MOUNT SHOWN
BRACKET, CONTINUOUS AND
TAPERED ANGLE MOUNT AVAILABLE

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



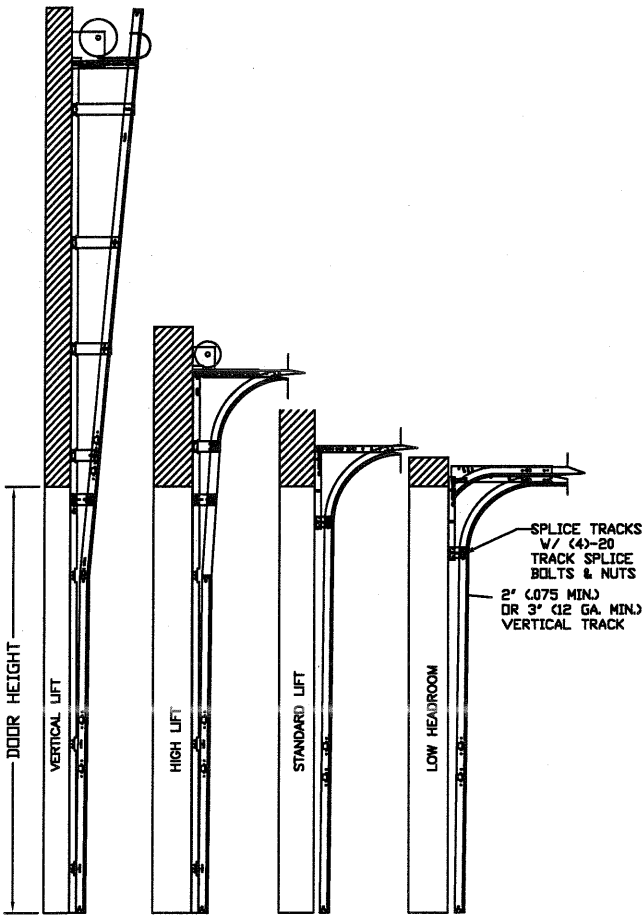
CLIP STYLE CONTINUOUS ANGLE MOUNT SHOWN
BRACKET, REVERSE AND TAPERED ANGLE MOUNT
AVAILABLE

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:
- 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\"/>
 - 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.

TABLE 1

DOOR HEIGHT	TRACK ATTACHMENT						SPLICE S
	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"

REV	DESCRIPTION OF REVISIONS	DATE	BY

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

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Amarr

MODEL 1000 AMARR 2432

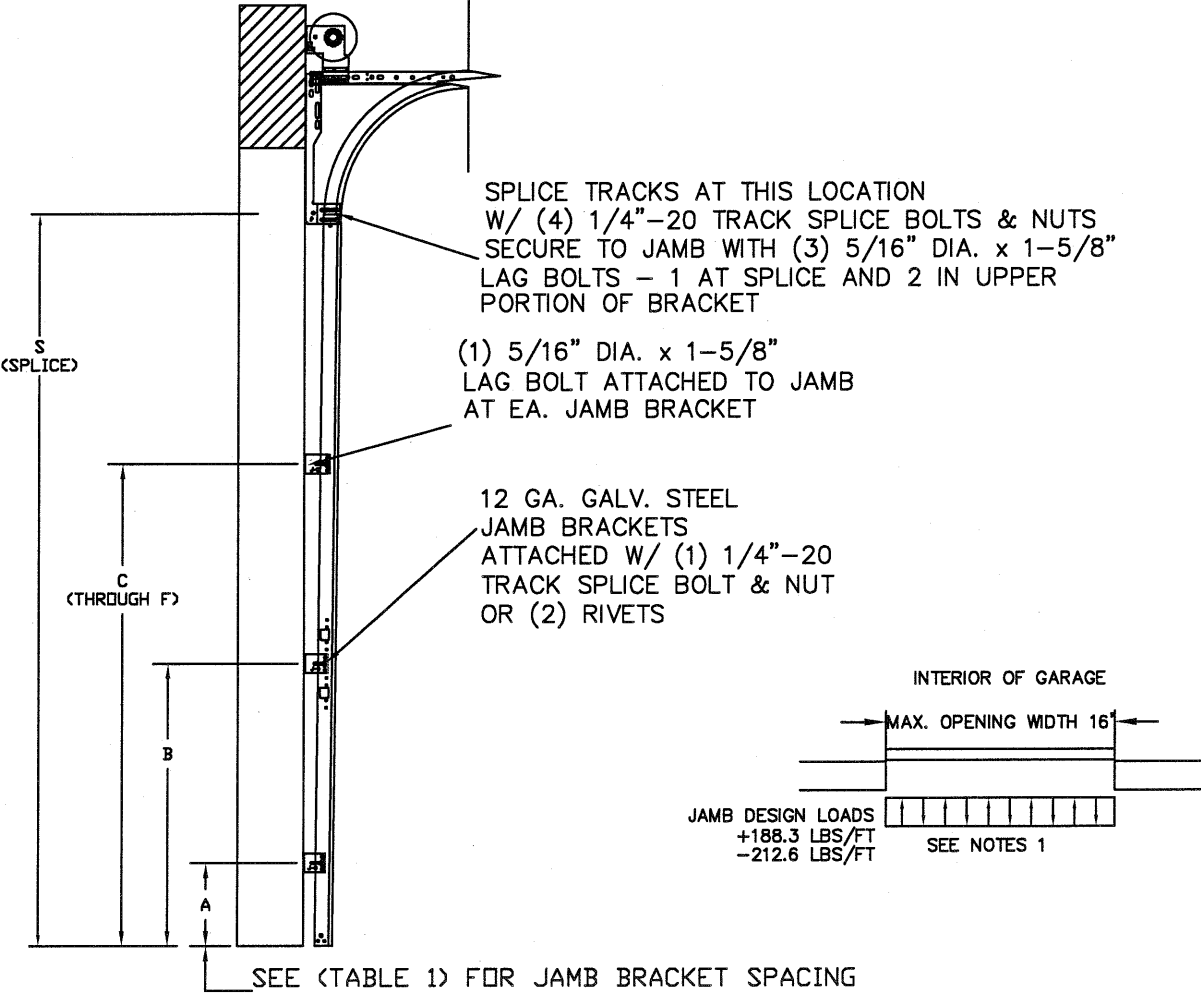
SIZE	DRAWN BY	DRC	DATE	06/28/11	DRAWING NUMBER
B	CHECKED BY	BHC	DATE	06/28/11	IBC-1016-130-15

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SHEET 2 OF 3

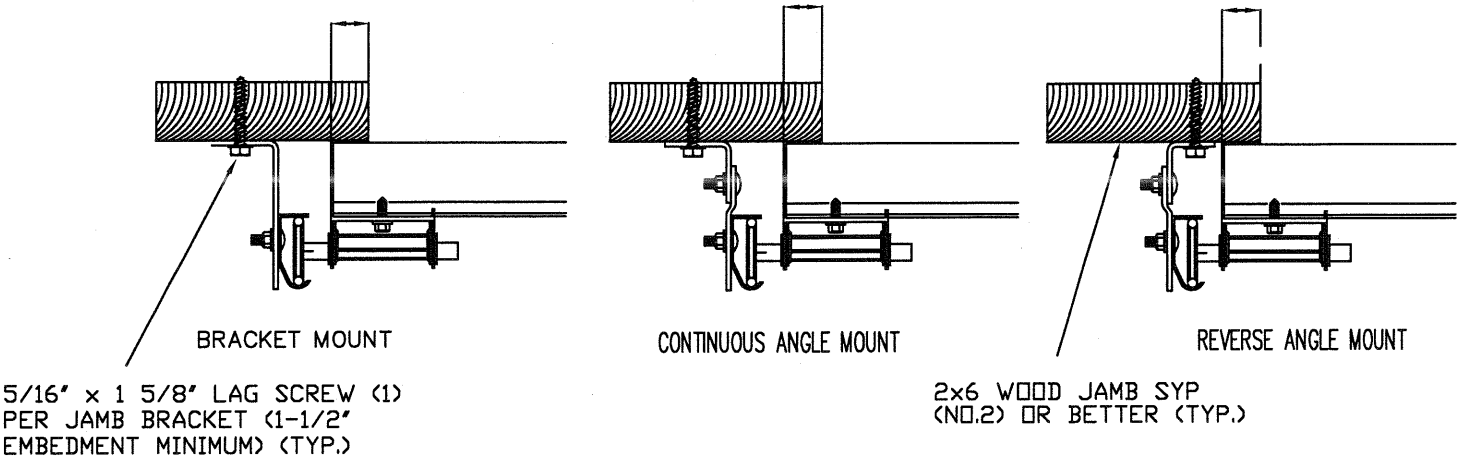
TABLE 2

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"	-	29.5	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



TRACK CONFIGURATION FOR 6'6" UP TO 24' TALL DOORS
N.T.S.

TRACK CONNECTION TO WOOD JAMB OPTIONS
FOR LAG SCREWS & BRACKET SPACING SEE TABLE 1



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 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
1/2" MIN

CONCRETE STRUCTURE
2-3/4" MIN

HOLLOW BLOCK STRUCTURE
1-1/2" MIN
3" MIN

GROUTED BLOCK STRUCTURE
4"

2X6 JAMB TYP.

- SPECIFICATIONS AND NOTES
1. EACH VERTICAL JAMBS RECEIVES MAXIMUM DESIGN LOADS OF: +188.3 LBS/FT & -212.6 LBS/FT
 2. DOORS AND HARDWARE WILL BE DESIGNED, MANUFACTURED AND INSTALLED WITH STANDARDS AS SET FORTH BY DASMA.
 3. DOOR SECTIONS SHALL BE 24 GA. MIN. EXTERIOR, 27 GA. (MIN) INTERIOR ROLLED FORMED LIGHT COMMERCIAL QUALITY
 4. SUPPORTING STRUCTURAL ELEMENTS SHALL BE DESIGNED BY A REGISTERED PROFESSIONAL ENGINEER FOR WIND LOADS INDICATED ON THIS DRAWING IN ADDITION TO OTHER LOADINGS.

REV	DESCRIPTION OF REVISIONS	DATE	BY

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

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SHEET 3 OF 3