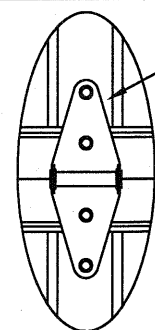


13 GA. GALV.
COMMERCIAL TOP
ROLLER BRACKET
ATTACHED W/(2) 1/4" x 1"
SCREWS PER BRACKET

2" 10 BALL STEEL OR 10
BALL NYLON LONG
STEM ROLLERS

TYPICAL TOP FIXTURES
N.T.S.

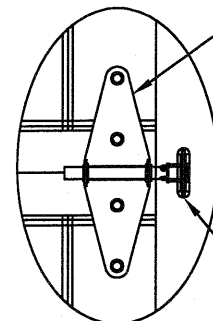
1



14GA. MIN. CENTER
HINGE ATTACHED
W/ (4) 1/4" x 1" SCREWS

TYPICAL CENTER HINGE
N.T.S.

2

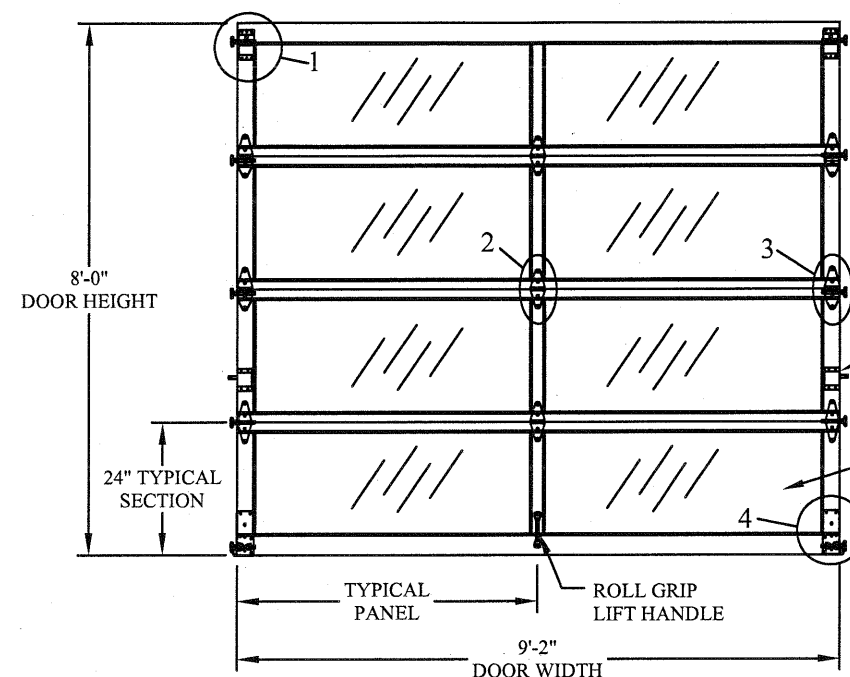


14GA. MIN. END HINGE
ATTACHED W/ (4) 1/4"
x 1" SCREWS

2" 10 BALL STEEL OR
10 BALL NYLON
SHORT STEM
ROLLERS (MIN.)

TYPICAL END HINGE
N.T.S.

3



DOOR INTERIOR ELEVATION

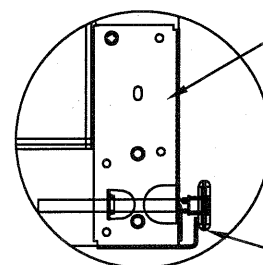
COMMERCIAL
SLIDE LOCKS
(2 PLACES)

GLAZING INFILL
1/8" ANNEALED DSB
MINIMUM

TYPICAL
PANEL

ROLL GRIP
LIFT HANDLE

DOOR WIDTH

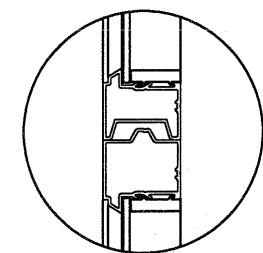


13GA. MIN.
BOTTOM BRACKET
ATTACHED W/ (3)
1/4" x 1" SCREWS

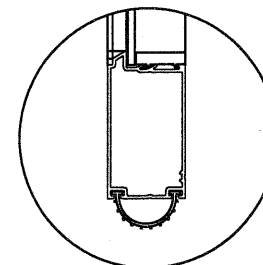
2" 10 BALL STEEL OR
10 BALL NYLON
LONG STEM
ROLLERS (MIN.)

TYPICAL BOTTOM BRACKET
N.T.S.

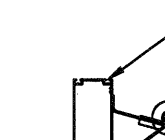
4



TONGUE AND GROOVE
WEATHERTIGHT SEAL



3-1/2" U-SHAPED
BOTTOM SEAL

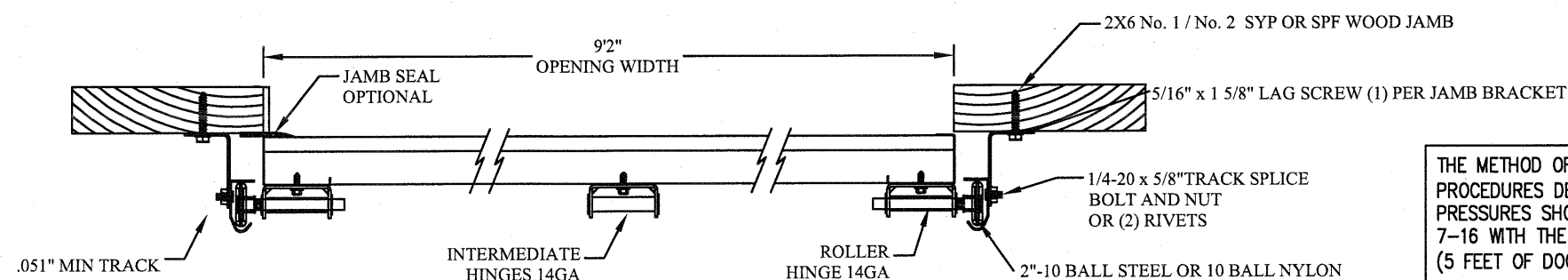


6063 T6 ALUMINUM
.050" WALL THICKNESS (TYP.)
ANODIZED OR POWDER COAT
FINISH

MINIMUM 14 GA
GRADUATED ROLLER
HINGES

2" SECTION THICKNESS

ALUMINUM SECTION
PROFILE



2" BRACKET MOUNT TO WOOD JAMB DETAIL

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 7-16 WITH THE FOLLOWING PARAMETERS (5 FEET OF DOOR WIDTH IN END ZONE, ROOF SLOPE 10° OR LESS):

WIND SPEED (MPH)	180	163	155	148	142
EXPOSURE LEVEL	B	C	C	D	D
MEAN ROOF HEIGHT	30'	15'	25'	15'	25'

REV	DESCRIPTION OF REVISIONS	DATE	BY

MAX SIZE
9'2" x 24'

DESIGN LOADS
+28.2 PSF
-33.1 PSF

TEST LOADS
+42.3 PSF
-49.6 PSF

THOMAS L. SHELDERDINE
LICENSE
No. 48579
11/10/20
STATE OF
FLORIDA
PROFESSIONAL ENGINEER
FL

Thomas L. Shelmerdine, PE (FL PE #0048579)
Structural Solutions, PA (FL Firm #29412)

dba Structural Solutions of North Carolina, Inc.
5921-G W. Friendly Ave., Greensboro, NC 27410

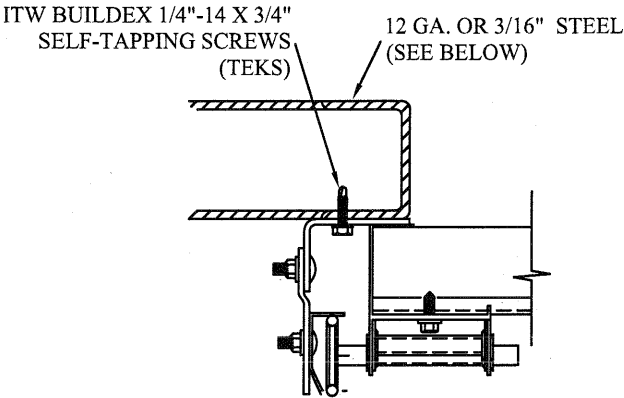
MODEL 3550 AMARR 3552
AMARR VISTA

SIZE B	DRAWN BY BHG	DATE 4/14/10	DRAWING NUMBER
	CHECKED BY DRC	DATE 4/14/10	IBC-3609-140-00

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

SHEET 1 OF 3

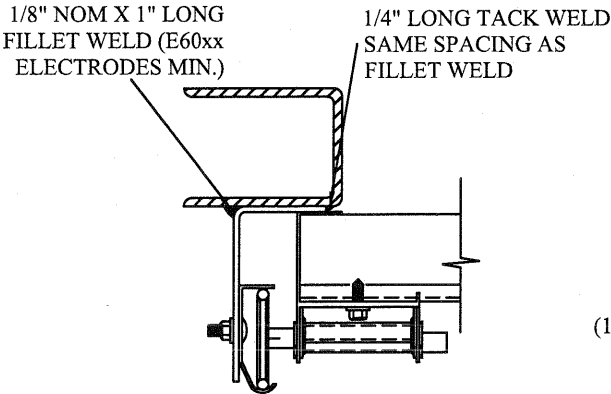
TRACK CONNECTION DIRECTLY TO STRUCTURE OPTIONS



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

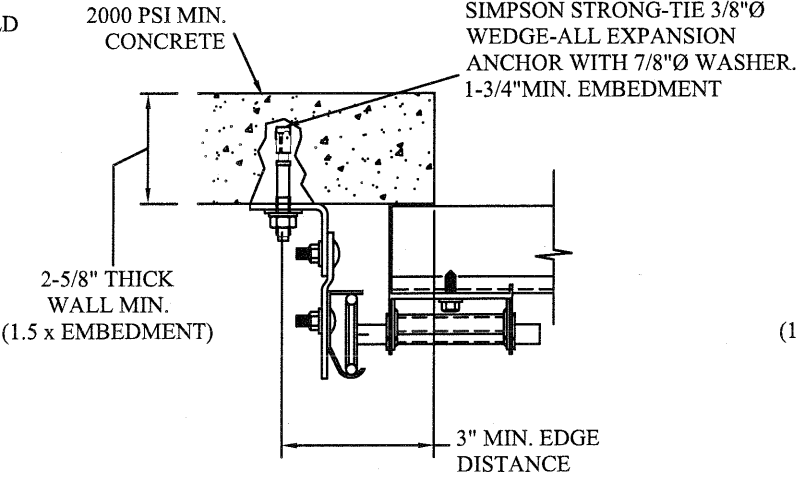
12 GA. STEEL FRAMING
232 LBS./SCREW ALLOWABLE LOAD - 6" FROM ENDS
AND 18" O.C.
REFER TO NOTES: 1, 2 AND 5

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



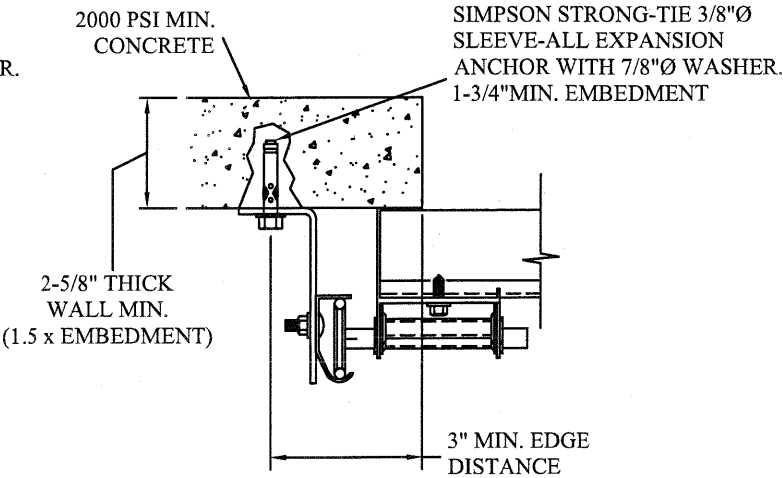
REVERSE ANGLE MOUNT SHOWN
BRACKET, CONTINUOUS AND TAPERED
ANGLE MOUNT AVAILABLE

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



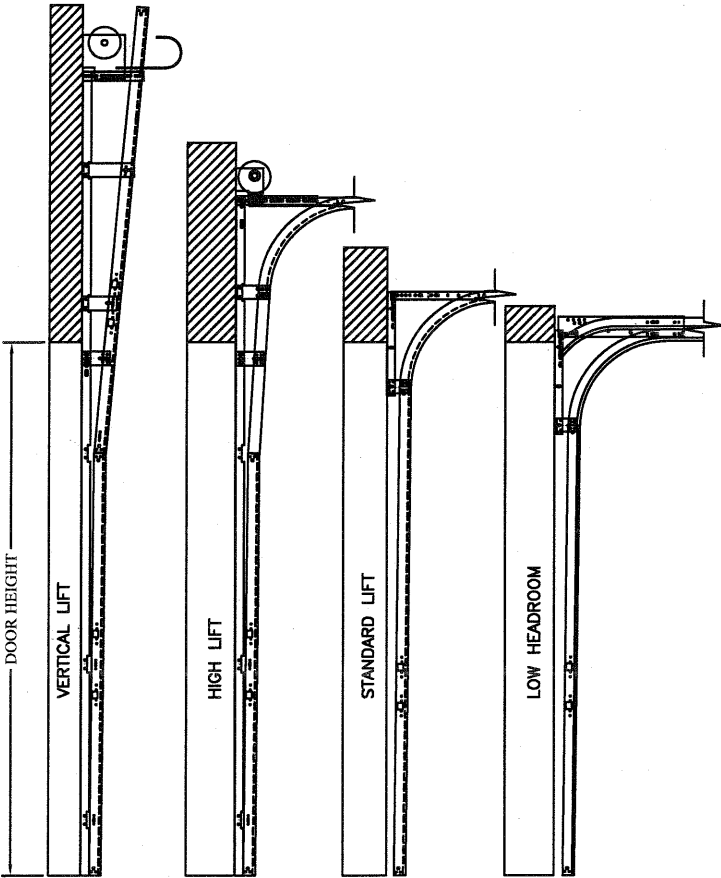
CLIP STYLE CONTINUOUS ANGLE MOUNT SHOWN
BRACKET, REVERSE AND TAPERED ANGLE MOUNT
AVAILABLE

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



2" (.051 MIN.) OR 3" (12 GA. MIN.) VERTICAL TRACK

AVAILABLE TRACK CONFIGURATIONS
N.T.S.

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. 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.

TABLE 1

DOOR HEIGHT	TRACK ATTACHMENT													SPLICE
	A	B	C	D	E	F	G	H	I	J	K		S	
7	10'	38"	*57"											76"
8	10'	34"	58"											88"
9	10'	34"	58"	82"										100"
10	10'	34"	58"	82"										112"
11	10'	34"	58"	82"	106"									124"
12	10'	34"	58"	82"	106"									136"
13	10'	34"	58"	82"	106"	130"								148"
14	10'	34"	58"	82"	106"	130"								160"
15	10'	34"	58"	82"	106"	130"	154"							172"
16	10'	34"	58"	82"	106"	130"	154"							184"
17	10'	34"	58"	82"	106"	130"	154"	178"						196"
18	10'	34"	58"	82"	106"	130"	154"	178"						208"
19	10'	34"	58"	82"	106"	130"	154"	178"	202"					220"
20	10'	34"	58"	82"	106"	130"	154"	178"	202"					232"
21	10'	34"	58"	82"	106"	130"	154"	178"	202"	226"				244"
22	10'	34"	58"	82"	106"	130"	154"	178"	202"	226"				256"
23	10'	34"	58"	82"	106"	130"	154"	178"	202"	226"	250"			268"
24	10'	34"	58"	82"	106"	130"	154"	178"	202"	226"	250"			280"
* Field Installed														

REV	DESCRIPTION OF REVISIONS	DATE	BY

MAX SIZE
9'2" x 24'

DESIGN LOADS
+28.2 PSF
-33.1 PSF

TEST LOADS
+42.3 PSF
-49.6 PSF

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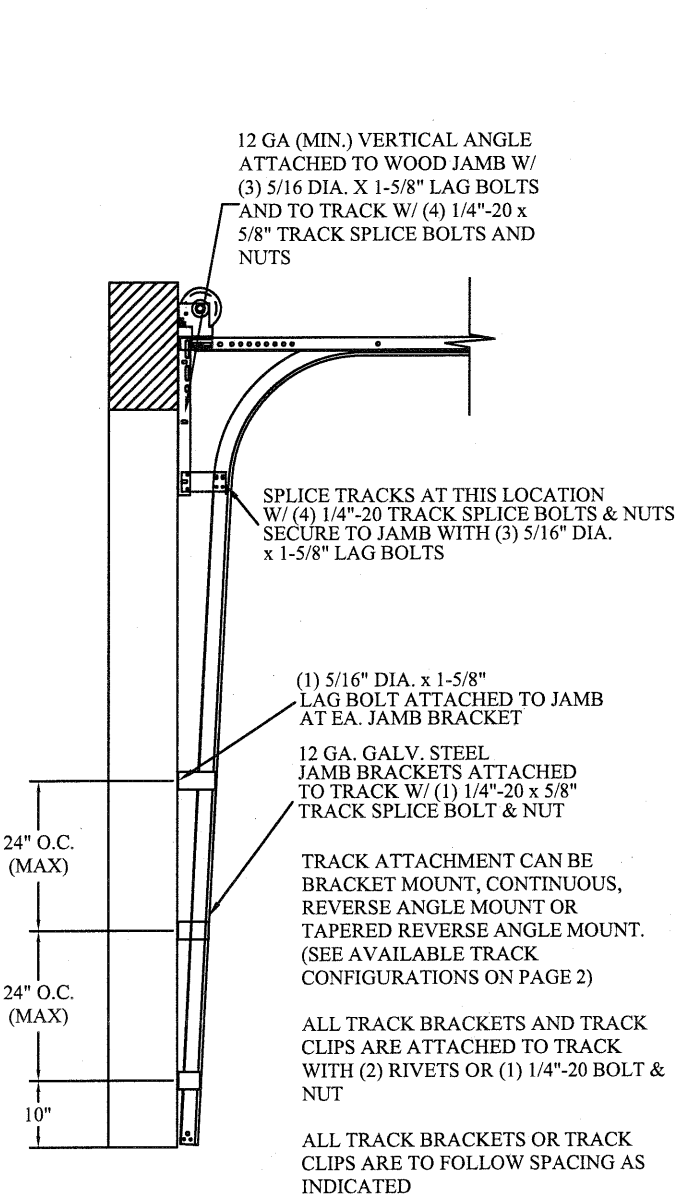
Amarr

MODEL 3550 AMARR 3552
AMARR VISTA

SIZE	DRAWN BY BHG	DATE 4/14/10	DRAWING NUMBER
B	CHECKED BY DRC	DATE 4/14/10	IBC-3609-140-00
ENTREMATIC 165 CARRIAGE COURT WINSTON-SALEM, N.C. 27105			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:
+129.3 LBS/FT & -151.7 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.



TRACK CONFIGURATION FOR UP TO 24' TALL DOORS

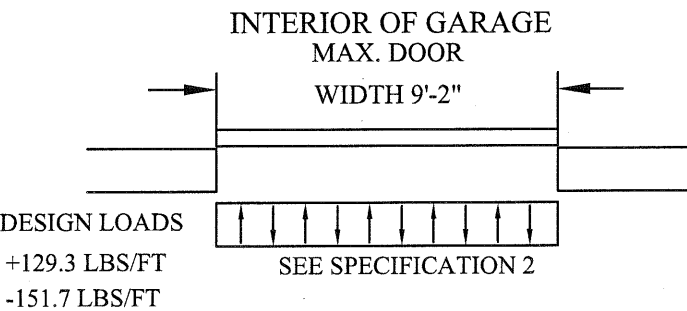
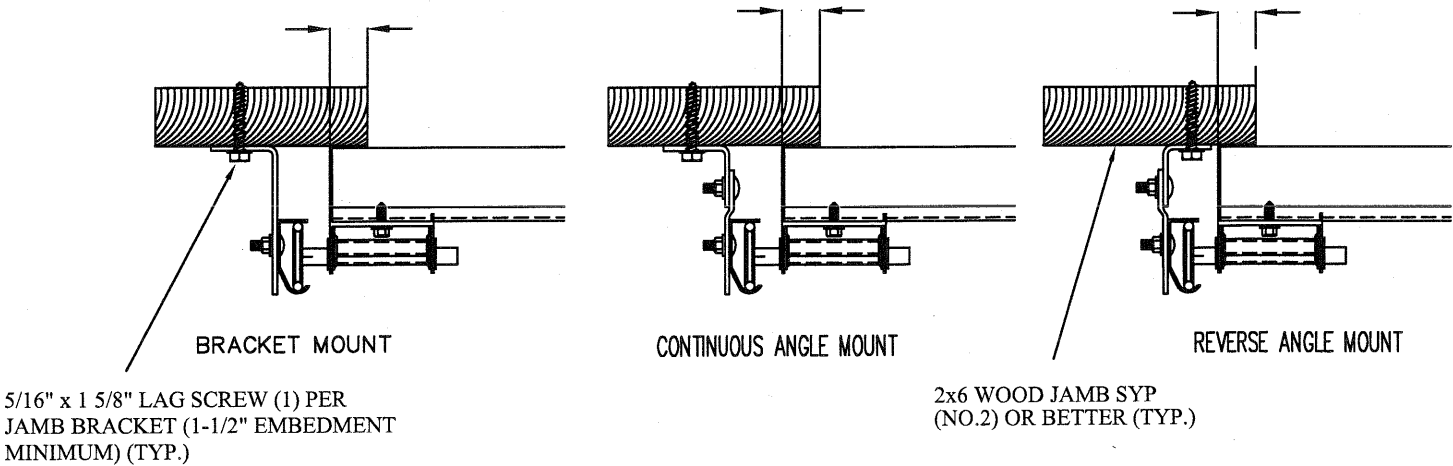


TABLE 2

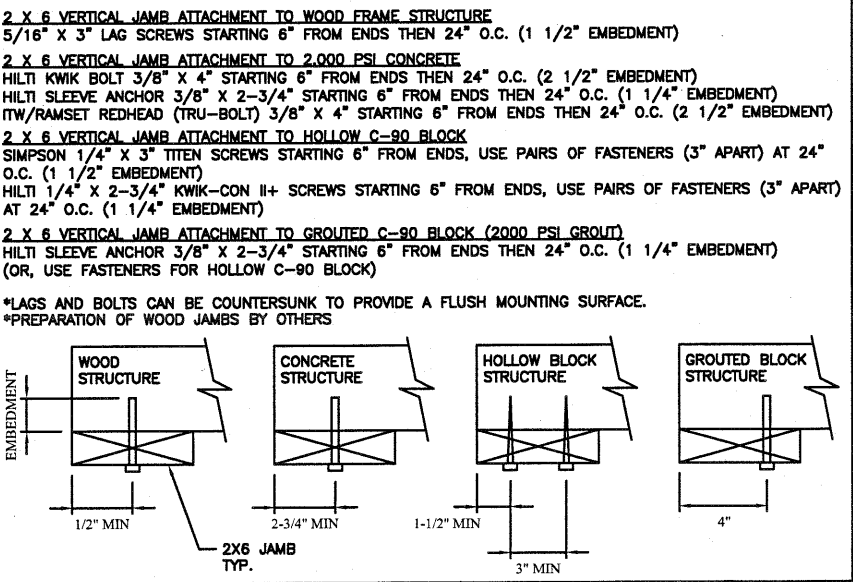
Section Width (ft)		Center Stile (in)	Max Design Loads Allowed	
			Positive (PSF)	Negative (PSF)
8'	0"	48"	32.1	37.7
8'	2"	49"	31.4	36.9
8'	4"	50"	30.8	36.2
8'	6"	51"	30.2	35.5
8'	8"	52"	29.6	34.8
8'	10"	53"	29.1	34.1
9'	0"	54"	28.5	33.5
9'	2"	55"	28.2	33.1

TRACK CONNECTION TO WOOD JAMB OPTIONS

FOR LAG SCREWS & BRACKET SPACING SEE TABLE 1



WOOD JAMB ATTACHMENT TO STRUCTURE (OPTIONAL)



REV	DESCRIPTION OF REVISIONS	DATE	BY

MAX SIZE
9'2" x 24'
DESIGN LOADS
+28.2 PSF
-33.1 PSF
TEST LOADS
+42.3 PSF
-49.6 PSF

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MODEL 3550 AMARR 3552
AMARR VISTA

SIZE	DRAWN BY	DATE	DRAWING NUMBER
B	BHG	4/14/10	IBC-3609-140-00

CHECKED BY	DATE	SHEET
DRC	4/14/10	3 OF 3

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