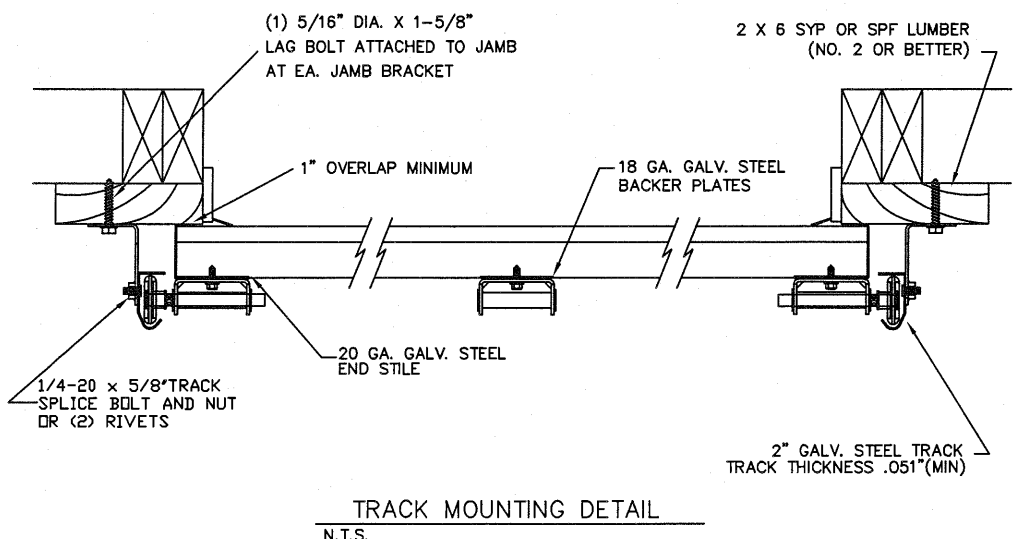
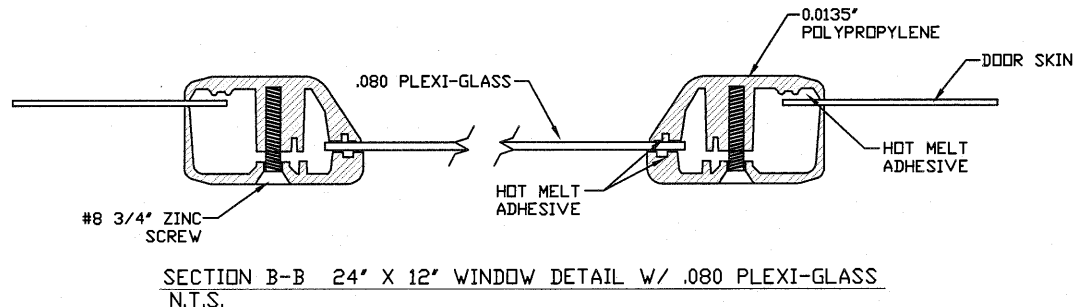
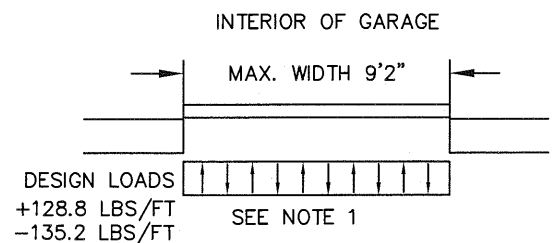


SECTION A-A (SIDE VIEW)
N.T.S.



SPECIFICATIONS AND NOTES

1. EACH VERTICAL JAMBS RECEIVES MAXIMUM DESIGN LOADS OF: +128.8 LBS/FT & -135.2 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.



THE METHOD OF TESTING WAS IN SUBSTANTIAL CONFORMANCE WITH THE PROCEDURES DESCRIBED IN ASTM E330, AND 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, AND I=1.0):

WIND SPEED (MPH)	132	120	114	109	105
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 +28.1 PSF -29.5 PSF

TEST LOADS +42.2 PSF -44.3 PSF

Thomas L. Shelmerdine, PE (TX PE #85829) Structural Solutions, PA (TX Firm #F-004063)

5921-G W. Friendly Ave., Greensboro, NC 27410

TX

Amarr

ENTRE/MATIC

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

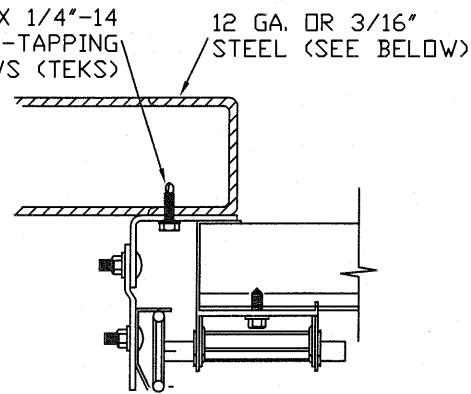
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SIZE	DRAWN BY	RLR	DATE	04/02/14	DRAWING NUMBER
B	CHECKED BY		DATE		IBC-1009-132-00

SHEET 1 OF 3

TRACK CONNECTION DIRECTLY TO STRUCTURE OPTIONS

ITW BUILDDEX 1/4"-14 X 3/4" SELF-TAPPING SCREWS (TEKS)

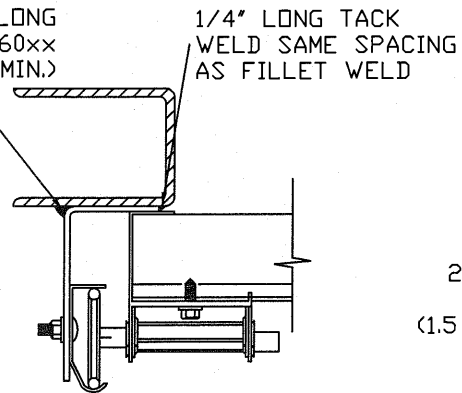


CLIP STYLE REVERSE ANGLE MOUNT SHOWN BRACKET, CONTINUOUS AND TAPERED ANGLE MOUNT AVAILABLE

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

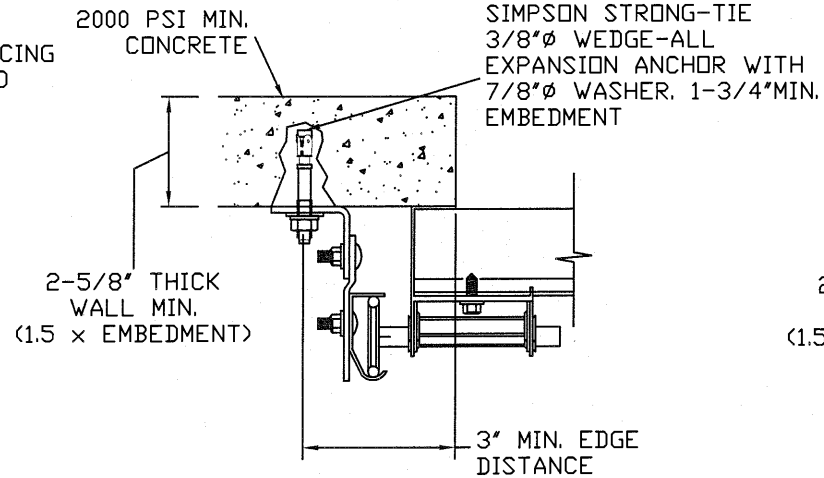
3/16" STEEL FRAMING
569 LBS./SCREW ALLOWABLE LOAD - 6" FROM ENDS AND 24" O.C.
REFER TO NOTES: 1, 2 AND 5

1/8" NOM X 1" LONG FILLET WELD (E60xx ELECTRODES MIN.)



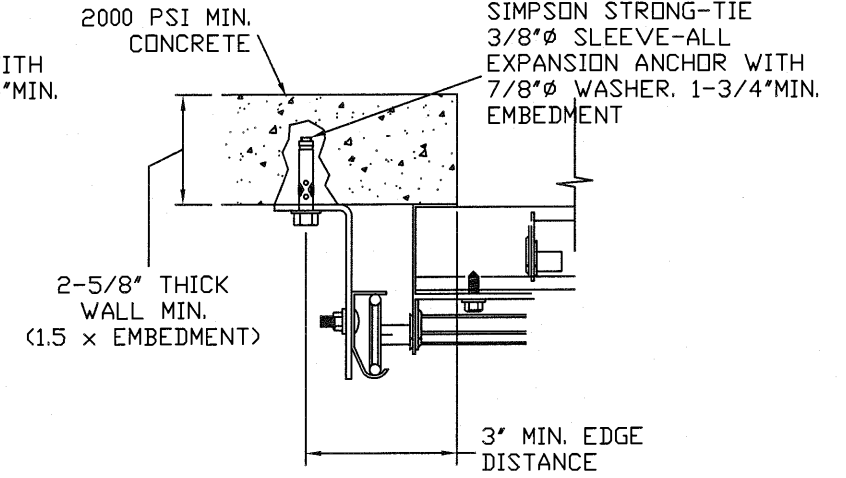
REVERSE ANGLE MOUNT SHOWN BRACKET, CONTINUOUS AND TAPERED ANGLE MOUNT AVAILABLE

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

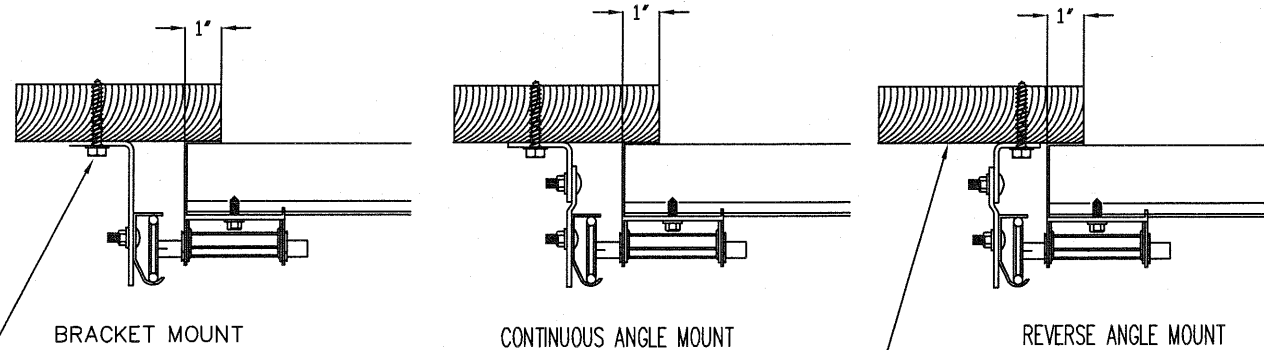


CONTINUOUS ANGLE MOUNT SHOWN BRACKET, CONTINUOUS AND TAPERED ANGLE MOUNT AVAILABLE

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

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 (NO.2) OR BETTER (TYP.)

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.

REV	DESCRIPTION OF REVISIONS	DATE	BY

MAX SIZE
9'2" x 24'

DESIGN LOADS
+28.1 PSF
-29.5 PSF

TEST LOADS
+42.2 PSF
-44.3 PSF

Thomas L. Shelmerdine, PE (TX PE #857829)
Structural Solutions, PA (TX Firm #F-004063)

TX

5921-G W. Friendly Ave., Greensboro, NC 27410

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

MODEL #1000

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					SHEET 2 OF 3

TABLE 1

DOOR HEIGHT	TRACK ATTACHMENT											SPLICE
	A	B	C	D	E	F	G	H	I	J	K	
6' 6"	10"	34"	58"									70"
7' 0"	10"	34"	58"									76"
7' 6"	10"	34"	58"									82"
8' 0"	10"	34"	58"									88"
8' 6"	10"	34"	58"	82"								94"
9' 0"	10"	34"	58"	82"								100"
9' 6"	10"	34"	58"	82"								106"
10' 0"	10"	34"	58"	82"								112"
10' 6"	10"	34"	58"	82"	100"							118"
11' 0"	10"	34"	58"	82"	106"							124"
11' 6"	10"	34"	58"	82"	100"							130"
12' 0"	10"	34"	58"	82"	106"							136"
12' 6"	10"	34"	58"	82"	98"	124"						142"
13' 0"	10"	34"	58"	82"	106"	130"						148"
13' 6"	10"	34"	58"	82"	98"	124"						154"
14' 0"	10"	34"	58"	82"	106"	130"						160"
15' 0"	10"	34"	58"	82"	106"	130"	154"					172"
16' 0"	10"	34"	58"	82"	106"	130"	154"					184"
17' 0"	10"	34"	58"	82"	106"	130"	154"	178"				196"
18' 0"	10"	34"	58"	82"	106"	130"	154"	178"				208"
19' 0"	10"	34"	58"	82"	106"	130"	154"	178"	202"			220"
20' 0"	10"	34"	58"	82"	106"	130"	154"	178"	202"			232"
21' 0"	10"	34"	58"	82"	106"	130"	154"	178"	202"	226"		244"
22' 0"	10"	34"	58"	82"	106"	130"	154"	178"	202"	226"		256"
23' 0"	10"	34"	58"	82"	106"	130"	154"	178"	202"	226"	250"	268"
24' 0"	10"	34"	58"	82"	106"	130"	154"	178"	202"	226"	250"	280"

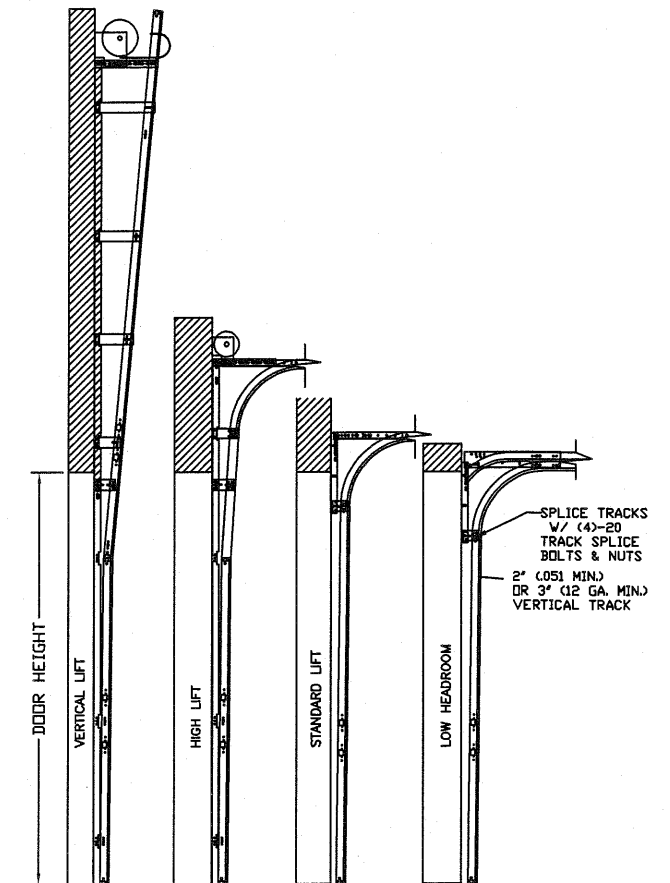
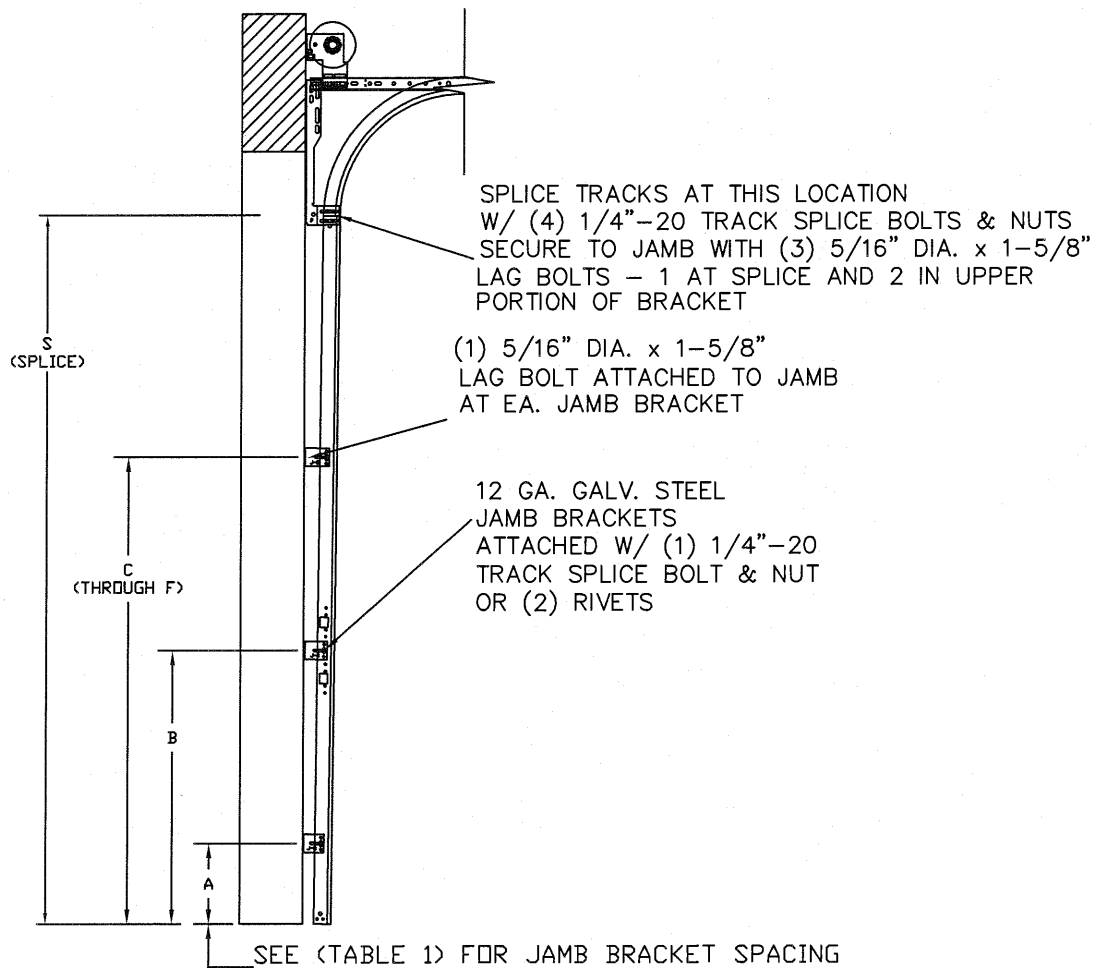


TABLE 2

Section Width (ft)	Center Stile Locations (From Left Edge)	Max Design Loads Allowed	
		Positive (PSF)	Negative (PSF)
6' 0"	36"	42.7	44.8
6' 2"	37"	41.5	43.6
6' 4"	38"	40.4	42.4
6' 6"	39"	39.4	41.3
6' 8"	40"	38.4	40.3
6' 10"	41"	37.5	39.3
7' 0"	42"	36.6	38.4
7' 2"	43"	35.7	37.5
7' 4"	44"	34.9	36.6
7' 6"	45"	34.1	35.8
7' 8"	46"	33.4	35.0
7' 10"	47"	32.7	34.3
8' 0"	48"	32.0	33.6
8' 2"	49"	31.3	32.9
8' 4"	50"	30.7	32.2
8' 6"	51"	30.1	31.6
8' 8"	52"	29.5	31.0
8' 10"	53"	29.0	30.4
9' 0"	54"	28.4	29.8
9' 2"	55"	28.1	29.5

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

WOOD JAMB ATTACHMENT TO STRUCTURE (OPTIONAL)

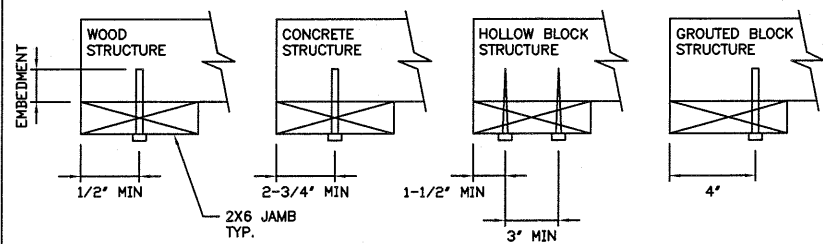
2 X 6 VERTICAL JAMB ATTACHMENT TO WOOD FRAME STRUCTURE
5/16" X 3" LAG SCREWS STARTING 6" FROM ENDS THEN 24" O.C. (1 1/2" EMBEDMENT)

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 24" 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 24" 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 24" 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



REV	DESCRIPTION OF REVISIONS	DATE	BY

MAX SIZE 9'2" x 24"

DESIGN LOADS
+28.1 PSF
-29.5 PSF

TEST LOADS
+42.2 PSF
-44.3 PSF

Thomas L. Shelmerdine, PE (TX PE #85829)
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STATE OF TEXAS
THOMAS L. SHELMERDINE
85829
LICENSED PROFESSIONAL ENGINEER
TX

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

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