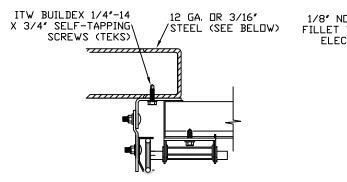


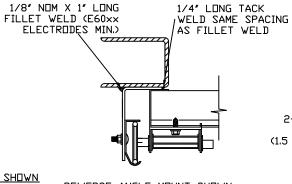
TRACK CONNECTION DIRECTLY TO STRUCTURE OPTIONS



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

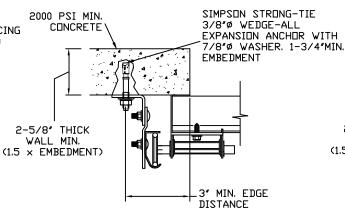
12 GA. STEEL FRAMING
232 LBS./SCREW ALLOWABLE LOAD - 6'
FROM ENDS AND 6' D.C.
REFER TO NOTES: 1, 2 AND 5

3/16" STEEL FRAMING
569 LBS./SCREW ALLOWABLE LOAD - 6"
FROM ENDS AND 18" D.C.
REFER TO NOTES: 1, 2 AND 5



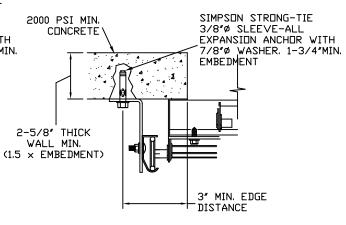
REVERSE ANGLE MOUNT SHOWN
BRACKET, CONTINUOUS AND
TAPERED ANGLE MOUNT AVAILABLE

STEEL FRAMING 12GA OR BETTER 1590 LBS./IN. ALLOWABLE LOAD -6" FROM ENDS AND 24" D.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 10" D.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 10" O.C.
REFER TO NOTES: 1, 2, 3, 4 AND 5



- 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 INSPECTOR 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

SPLICE TRACKS

2" (.083 MIN.) OR 3"

(12 GA. MIN.) VERTICAL TRACK

<u>ŏ</u>

HIGH LIFT

N.T.S.

AVAILABLE TRACK CONFIGURATIONS

W/ (4)-20 TRACK SPLICE BOLTS & NUTS

DOOR											TRAC	CK AT	TACH	IMEN	Т									SPLIC
HEIGHT	Α	В	С	D	Е	F	G	Н	ı	J	K	L	М	N	0	Р	Q	R	S	Т	U	V	W	S
7'	3.5"	10"	22"	34"	46"	58"																		76"
8'	3.5"	10"	22"	34"	46"	58"	70"																	88"
9'	3.5"	10"	22"	34"	46"	58"	70"	82"																100"
10'	3.5"	10"	22"	34"	46"	58"	70"	82"	94"															112'
11'	3.5"	10"	22"	34"	46"	58"	70"	82"	94"	106"														124'
12'	3.5"	10"	22"	34"	46"	58"	70"	82"	94"	106"	118"													136'
13'	3.5"	10"	22"	34"	46"	58"	70"	82"	94"	106"	118"	130"												148'
14'	3.5"	10"	22"	34"	46"	58"	70"	82"	94"	106"	118"	130"	142"											160
15'	3.5"	10"	22"	34"	46"	58"	70"	82"	94"	106"	118"	130"	142"	154"										172
16'	3.5"	10"	22"	34"	46"	58"	70"	82"	94"	106"	118"	130"	142"	154"	166"									184
17'	3.5"	10"	22"	34"	46"	58"	70"	82"	94"	106"	118"	130"	142"	154"	166"	178"								196
18'	3.5"	10"	22"	34"	46"	58"	70"	82"	94"	106"	118"	130"	142"	154"	166"	178"	190"							208
19'		10"	22"	34"	46"	58"		82"	94"	106"	118"	130"	142"	154"	166"	178"	190"	202"						220'
20'	3.5"	10"	22"	34"	46"	58"		82"	94"	106"	118"	130"	142"	154"	166"	178"	190"	202"	214"					232
21'		10"	22"	34"	46"	58"	70"	82"	94"	106"	118"	130"	142"	154"	166"	178"	190"	202"	214"	226"				244
22'	3.5"	10"	22"	34"	46"	58"	70"	82"	94"	106"	118"	130"	142"	154"	166"	178"	190"	202"	214"	226"	238"			256'
23'	3.5"	10"	22"	34"	46"	58"	70"	82"	94"	106"	118"	130"	142"	154"	166"	178"	190"	202"	214"	226"	238"	250"		268'
24'	3.5"	10"	22"	34"	46"	58"	70"	82"	94"	106"	118"	130"	142"	154"	166"	178"	190"	202"	214"	226"	238"	250"	262"	280'

REV	DESCRIPTION OF REVISIONS	DATE	BY
Α	PAGE 2 ADDED FOR P.E. APPROVED ATTACHMENTS	1/8/08	SKW
В	RETEST FOR LOWER KSI ALLOWANCE OF WOOD OVERLAY	10/9/2008	SKW
С	REVISED CALL OUTS	2/3/09	CBT
D	UPDATED WJATS, TCDTS, ADDED ASCE MPH DETAIL	1/19/12	RLR

MAX SIZE 18'2 x 24'

DESIGN LOADS +39.5 PSF -44.5 PSF

LARGE MISSILE IMPACT RESISTANCE





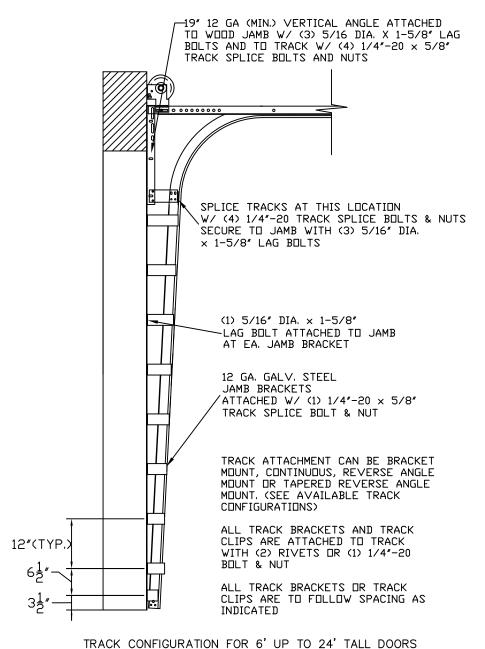
165 CARRIAGE COURT WINSTON-SALEM, N.C. 27105 WWW.AMARR.COM

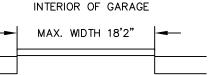
MODEL 2400 (24 GA) MODEL 2000 (20 GA)

SIZE	DRAWN BY	SKW	DATE	09/11/07		DRAWING NUMBER
В	CHECKED BY	BHG	DATE	09/11/07		IBC-2418-170-26-I
ENGIN	IEER: THOMAS L	. SHEL	MERDINE	P.E. LIC. No.	0048579	SHEET 2 OF 3

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: 358.8 LBS/FT & -404.2 LBS/FT
- 3. DOOR AND HARDWARE WILL BE DESIGNED, MANUFACTURED AND INSTALLED WITH STANDARDS AS SET FORTH BY DASMA.
- 4. DOOR SECTIONS SHALL BE 24 GA. (.022) MIN. EXTERIOR SKIN ROLLED FORMED, W/ BAKED ON POLYESTER FINISH
- DDDRS UP TD 24'0' HIGH USE (1) 5 1/2" X 18 GA R-TRUSS DN TDP DF (1) 3" X 18 GA. STRUT AT CENTER OF EACH SECTION AND (1) 3' X 18 GA STRUT AT THE TOP OF EACH BOTTOM AND INTERMEDIATE SECTIONS.
- SUPPORTING STRUCTURAL ELEMENTS SHALL BE DESIGNED BY A REGISTERED PROFESSIONAL ENGINEER FOR WIND LOADS INDICATED ON THIS DRAWING IN ADDITION
- 7. WOOD OVERLAY MAY BE ATTACHED TO EXTERIOR SKIN OF DOOR USING CONSTRUCTION ADHESIVE AND/OR SCREWS.





DESIGN LOADS | | | | | | | | | | | |

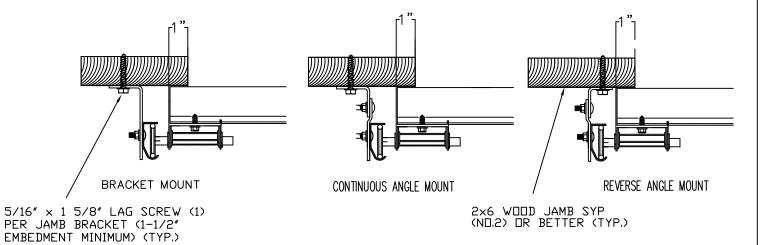
SEE NOTE 2

+358.8 LBS/FT

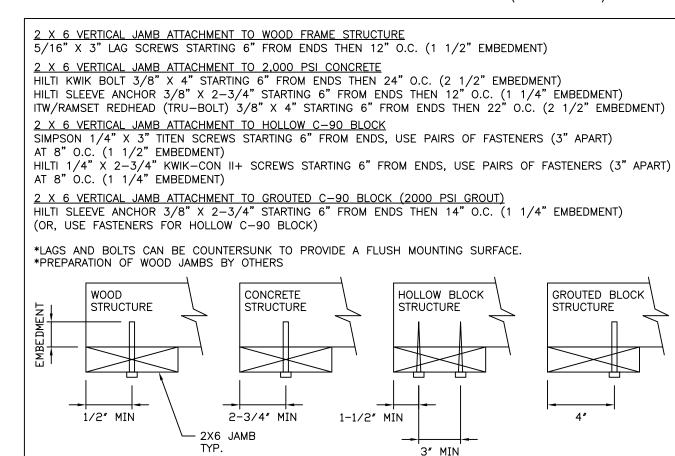
-404.2 LBS/FT

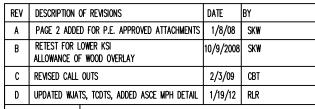
TRACK CONNECTION TO WOOD JAMB OPTIONS

FOR LAG SCREWS & BRACKET SPACING SEE TABLE 1



WOOD JAMB ATTACHMENT TO STRUCTURE (OPTIONAL)





MAX SIZE 18'2 x 24'

DESIGN LOADS +39.5 PSF -44.5 PSF

ARGE MISSILE IMPACT RESISTANCE



165	CARRIAGE	COURT	TZNIW	ON-SALEN	1, N.C.	27105	WWW.AMARR.CD
		MOI	DEI.	2400	(24	CA)	

MODEL 2000 (20 GA) SIZE DRAWN BY SKW DATE 09/11/07 DRAWING NUMBER

IBC-2418-170-26-CHECKED BY BHG DATE 09/11/07 ENGINEER: THOMAS L. SHELMERDINE P.E. LIC. No. 0048579 SHEET 3 OF 3