

# LARGE MISSILE IMPACT RESISTANCE

THE METHOD OF TESTING WAS IN SUBSTANTIAL CONFORMANCE WITH THE PROCEDURE DESCRIBED IN ASTM E330, ANSI/DASMA 108, TAS 201 202 AND 203. THE PRESSURES SHOWN ON THE DRAWINGS WERE CALCULATED USING ASCE 7-98/02/05 WITH THE FOLLOWING PARAMETERS (5 FEET OF DOOR WIDTH IN THE END ZONE, ROOF AT ANY SLOPE):

WIND SPEED (MPH)	165	149	142	136	130
EXPOSURE LEVEL	B	C	C	D	D
MEAN ROOF HEIGHT	30'	15'	25'	15'	25'

REV	DESCRIPTION OF REVISIONS	DATE	BY
A	UPDATED WJATS AND ADDED ASCE MPH DETAIL	11/29/11	RLR

MAX SIZE  
18' x 14'

DESIGN LOADS  
+42.0 PSF  
-46.0 PSF

LARGE MISSILE  
IMPACT  
RESISTANCE



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

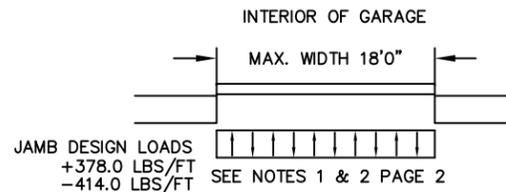
**MODEL #1200 HERITAGE 3000**  
**MODEL #1200 OAK SUMMIT 3000**  
Short, Long, Flush & Oak Summit Panels

SIZE	DRAWN BY	SKW	DATE	5/21/07	DRAWING NUMBER
B	CHECKED BY	BHG	DATE	6/07/07	IRC-1218-165-26-1
					SHEET 1 OF 3

# WOOD JAMB ATTACHMENT TO STRUCTURE

## SPECIFICATIONS AND NOTES

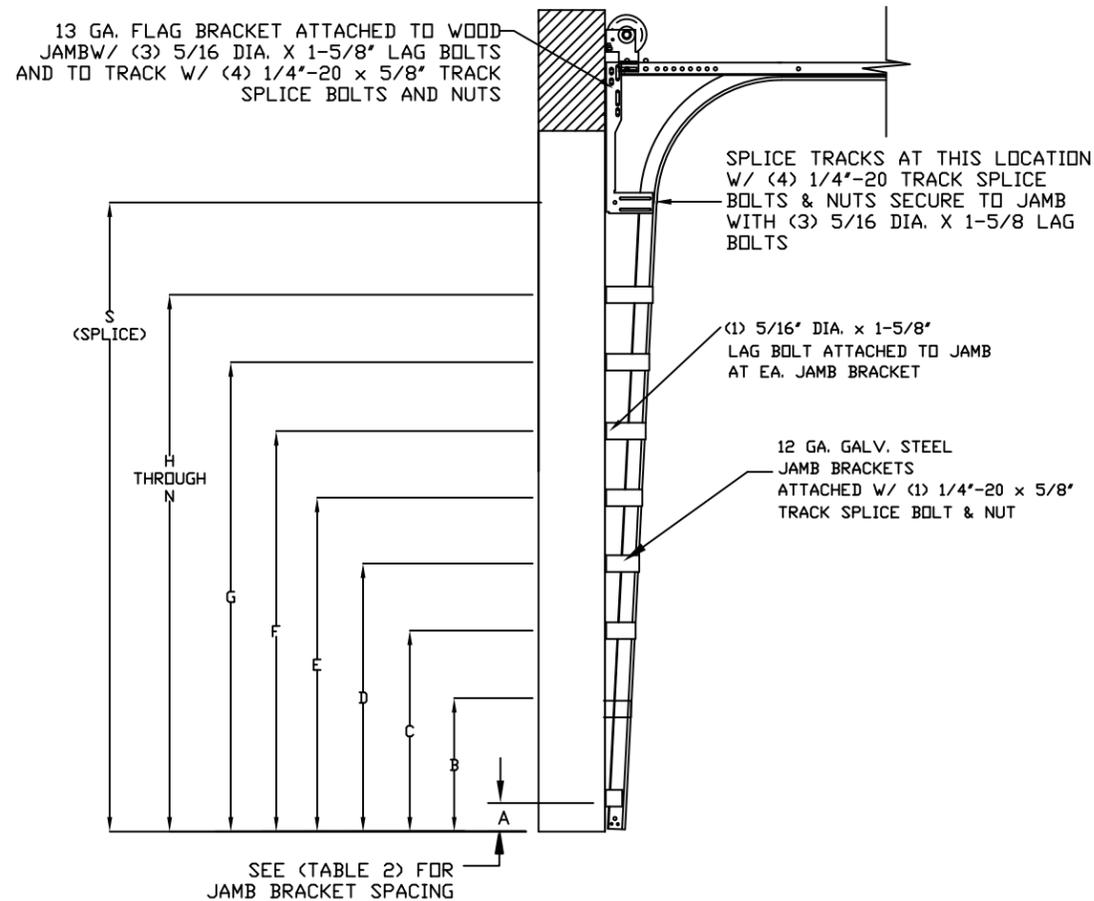
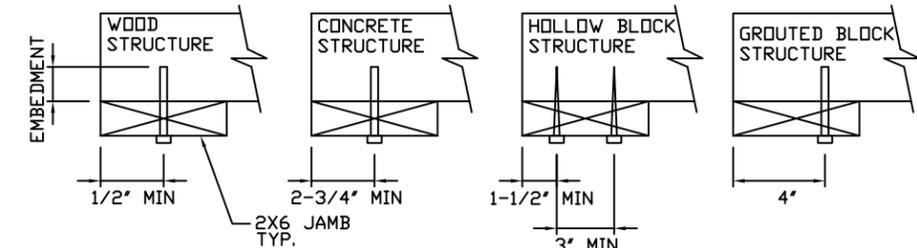
1. ALL THE LOAD FROM THE DOOR IS TRANSFERRED TO THE VERTICAL TRACK, FROM THE TRACK THE LOAD IS TRANSFERRED TO THE VERTICAL JAMBS. THE HORIZONTAL JAMB OR HEADER RECEIVES NO PORTION OF THE LOAD TRANSFERRED FROM THE DOOR.
2. EACH VERTICAL JAMB RECEIVES MAXIMUM DESIGN LOADS OF: +378.0 LBS/FT & -414.0 LBS/FT
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
5. DOORS USE (1) 5.5" 18 GA R-TRUSS PER SECTION AND (1) 3" 20 GA STRUT ON THE BOTTOM SECTION.
6. DOORS OVER (4) SECTIONS REFER TO TABLE 1
7. SUPPORTING STRUCTURAL ELEMENTS SHALL BE DESIGNED BY A REGISTERED PROFESSIONAL ENGINEER FOR WIND LOADS INDICATED ON THIS DRAWING IN ADDITION TO OTHER LOADINGS.



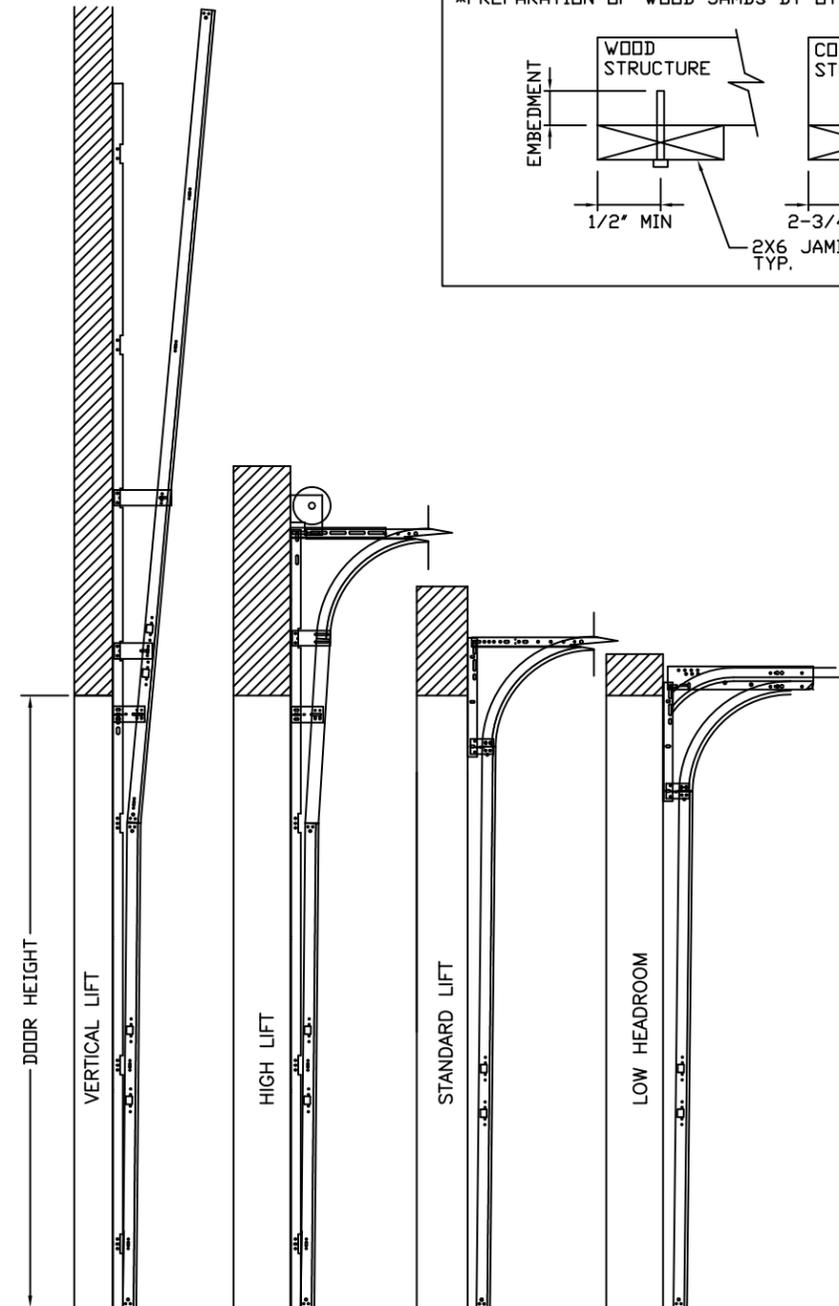
**2 X 6 VERTICAL JAMB ATTACHMENT TO WOOD FRAME STRUCTURE**  
 5/16" X 3" LAG SCREWS STARTING 6" FROM ENDS THEN 12" O.C. (1 1/2" EMBEDMENT)  
**2 X 6 VERTICAL JAMB ATTACHMENT TO 2,000 PSI CONCRETE**  
 HILTI KWIK BOLT 3/8" X 4" STARTING 6" FROM ENDS THEN 24" O.C. (2 1/2" EMBEDMENT)  
 HILTI SLEEVE ANCHOR 3/8" X 2-3/4" STARTING 6" FROM ENDS THEN 10" O.C. (1 1/4" EMBEDMENT)  
 ITW/RAMSET REDHEAD (TRU-BOLT) 3/8" X 4" STARTING 6" FROM ENDS THEN 22" 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 8" 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 8" 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 12" 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



STANDARD TRACK CONFIGURATION FOR 6'6" UP TO 14' TALL DOORS  
 N.T.S.



AVAILABLE TRACK CONFIGURATIONS  
 N.T.S.

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**Amarr**

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TABLE 1

DOOR HEIGHT	SECTION HEIGHTS							
	Btm	#2	#3	#4	#5	#6	#7	#8
14' 0"	21"	21"	21"	21"	21"	21"	21"	21"
13' 6"	21"	21"	21"	21"	21"	18"	18"	21"
13' 0"	21"	21"	21"	18"	18"	18"	18"	21"
12' 6"	21"	18"	18"	18"	18"	18"	18"	21"
12' 0"	21"	21"	21"	21"	21"	18"	21"	
11' 6"	21"	21"	21"	18"	18"	18"	21"	
11' 0"	21"	18"	18"	18"	18"	18"	21"	
10' 6"	21"	21"	21"	21"	21"	21"		
10' 0"	21"	21"	21"	18"	18"	21"		
9' 6"	21"	18"	18"	18"	18"	21"		
9' 0"	18"	18"	18"	18"	18"	18"		
8' 6"	21"	21"	21"	18"	21"			
8' 0"	21"	18"	18"	18"	21"			
7' 6"	18"	18"	18"	18"	18"			
7' 0"	21"	21"	21"	21"				
6' 6"	21"	18"	18"	21"				

TABLE 2

DOOR HEIGHT	TRACK ATTACHMENT														SPLICE	
	A	B	C	D	E	F	G	H	I	J	K	L	M	N		S
6' 6"	3"	14"	27"	38"	46"	56"	64"									70"
7'	3"	14"	27"	38"	46"	56"	68"									76"
7' 6"	3"	14"	27"	38"	46"	56"	68"	78"								82"
8'	3"	14"	27"	38"	46"	56"	68"	78"								88"
8' 6"	3"	14"	27"	38"	46"	56"	68"	78"	88"							94"
9'	3"	14"	27"	38"	46"	56"	68"	78"	88"							100"
9' 6"	3"	14"	27"	38"	46"	56"	68"	78"	88"	98"						106"
10'	3"	14"	27"	38"	46"	56"	68"	78"	88"	100"						112"
10' 6"	3"	14"	27"	38"	46"	56"	68"	78"	88"	100"	110"					118"
11'	3"	14"	27"	38"	46"	56"	68"	78"	88"	100"	110"					124"
11' 6"	3"	14"	27"	38"	46"	56"	68"	78"	88"	100"	110"	120"				130"
12'	3"	14"	27"	38"	46"	56"	68"	78"	88"	100"	110"	122"				136"
12' 6"	3"	14"	27"	38"	46"	56"	68"	78"	88"	100"	109"	122"	132"			142"
13'	3"	14"	27"	38"	46"	56"	68"	78"	88"	100"	114"	122"	134"			148"
13' 6"	3"	14"	27"	38"	46"	56"	68"	78"	88"	100"	109"	122"	134"	144"		154"
14'	3"	14"	27"	38"	46"	56"	68"	78"	88"	100"	114"	122"	134"	146"		160"

ALL TRACK ATTACHMENT SPACING +/-2" ALLOWED WITH SYP NO. 2 OR BETTER ONLY

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