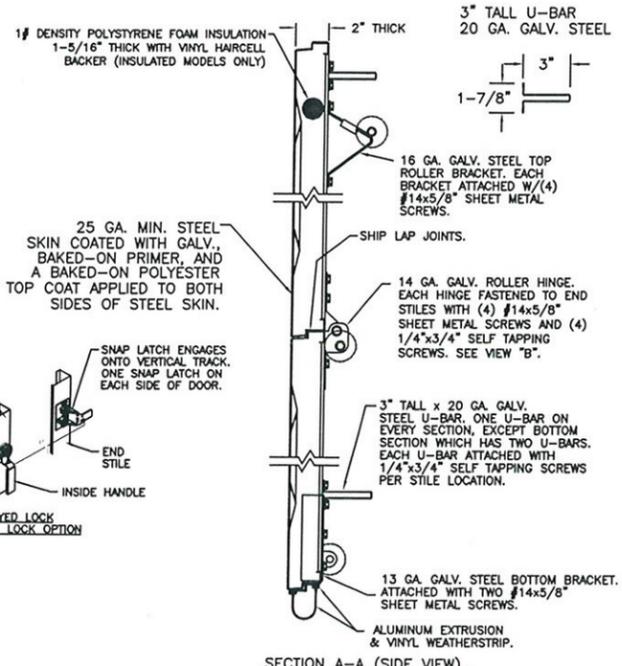
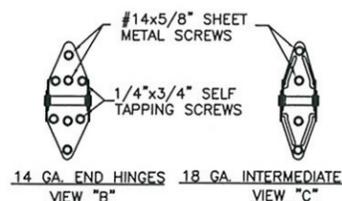
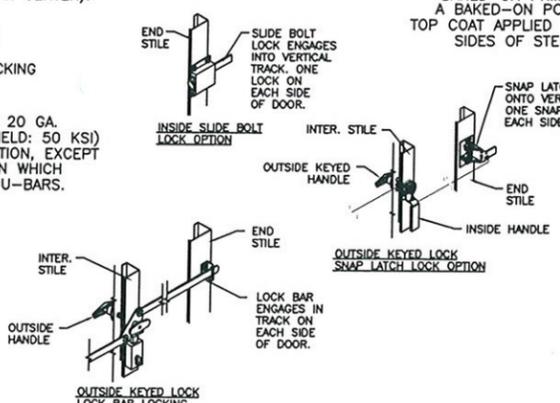
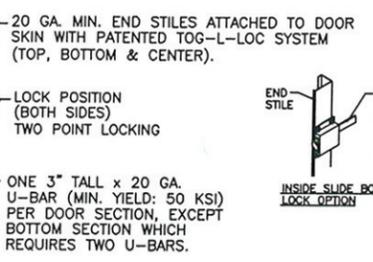
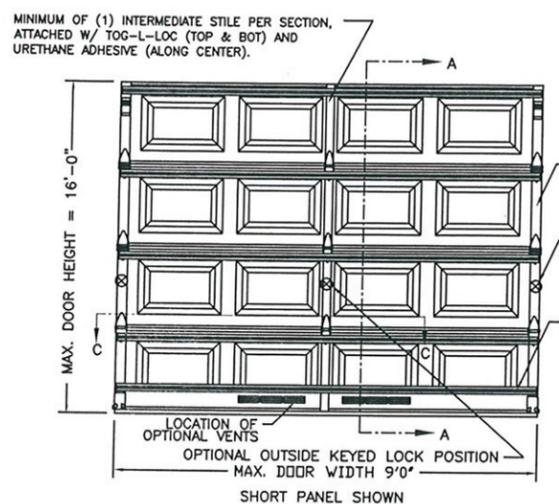


MODELS	24 GA	24 GA INS	25 GA	25 GA INS	25 GA	25 GA INS
CLOPAY	84A, 94	---	73, 75	1500, 190	76	76V
IDEAL	4RST, 4F	4RSF	6RST	6RSF	2RST	---
HOLMES	48, 48B	---	42, 42B	55, 55S	---	---
	SHORT PANEL			LONG PANEL		

DOOR HEIGHT	# OF SECTIONS
UP TO 7'0"	4
7'3" TO 8'9"	5
9'0" TO 10'6"	6
10'9" TO 12'3"	7
12'6" TO 14'0"	8
14'3" TO 15'9"	9
16'0"	10
MAX SECTION HEIGHT: 21'	

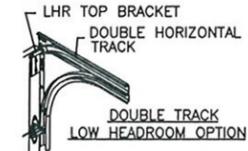
**EQUIVALENT SECTION CONSTRUCTION:** FOR ANY OF THE MODELS LISTED ON THIS DRAWING, THE FOLLOWING W-LEVEL DOORS USE EQUIVALENT SECTIONS (UP TO THE MAXIMUM WIDTH ALLOWED ON THIS DRAWING). **W1, W2, W3, W4, W5.** ANY OF THESE W-LEVELS MAY BE SHOWN ON THE OPTIONAL SHIPPING LABEL ON THE END STILE.



REV	DATE	DESCRIPTION
08	8/2004	ADDED INSULATED M/N 190, 1500
09	5/2005	UPDATED CODE REF.
10	9/2005	ADDED ROLLER OPTION
11	5/2007	ADDED IMPACT RESISTANT LITE OPTION
12	11/30/07	ADDED 76V, COMBINED CLOPAY, HOLMES AND IDEAL M/N
13	08/08/08	ADDED M/N 42B, 48B, 55S
14	10/21/08	ADDED M/N 4F
15	8/2009	REVISED FOR TDI.
16	6/2013	REMOVED GLAZING OPTION.

THIS DOOR MEETS OR EXCEEDS THE DESIGN LOADS FOR THE WIND SPEEDS LISTED BELOW ACCORDING TO THE FLORIDA BLDG. CODE OR IBC (ASCE7) FOR THE FOLLOWING CONDITIONS: 1) ENCLOSED BUILDING, 2) DOOR HAS 2' OF WIDTH IN BUILDING'S END ZONE, 3) IMPORTANCE FACTOR OF 1.0, 4) ANY ROOF SLOPE, AND 5) 50% SAFETY FACTOR.

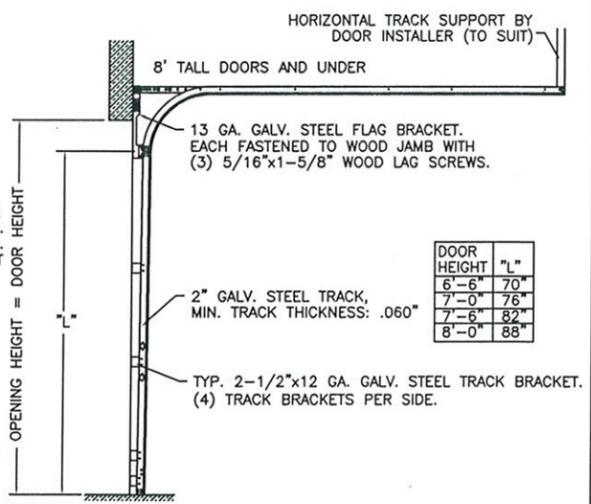
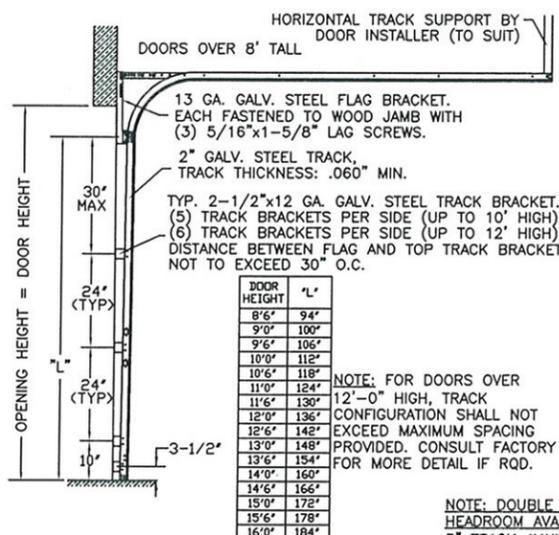
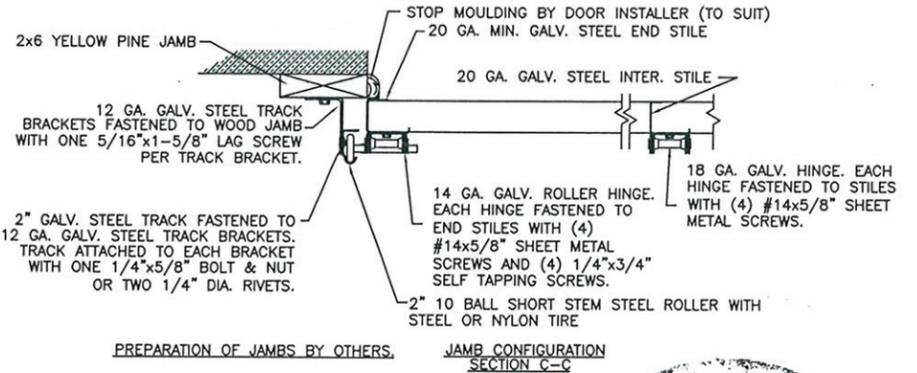
WIND SPEED (MPH)	≤ 110	120	120	130
EXPOSURE LEVEL	B or C	B	C	B
MEAN ROOF HEIGHT	30'	30'	15'	30'



NOTE: TRACK CONFIGURATION ABOVE THE DOOR OPENING DOES NOT AFFECT THE WIND LOAD RATING OF THIS DOOR.

IN THE CASE OF GYPSUM WALLBOARD LOCATED AT OR NEAR THE DOOR OPENING LOCATION THERE ARE TWO ACCEPTABLE ALTERNATIVES:

- 1) THE WALLBOARD CAN BE CUT AWAY FROM THE DOOR OPENING AND 2X6 SOUTHERN YELLOW PINE WOOD JAMBS MOUNTED DIRECTLY TO THE SUPPORTING STRUCTURE TO CREATE THE MOUNTING SURFACE. ALTERNATIVELY, THE BRACKETS MAY BE ATTACHED DIRECTLY TO THE SUPPORTING STRUCTURE. SEE DETAIL BELOW. THE CENTER OF SCREW HOLE MUST BE AT LEAST 1/2" FROM BOTH EDGES FOR A 5/16" LAG SCREW.
- 2) IF THE WALLBOARD IS NOT CUT AWAY TO EXPOSE THE UNDERLYING STRUCTURE (WOOD FRAMING MEMBERS), A 2X6 SOUTHERN YELLOW PINE WOOD BUCK OVER SHALL BE INSTALLED THE WALLBOARD FRAMING THE OPENING USING THE JAMB ATTACHMENT FASTENERS LISTED BELOW. HOWEVER, THE JAMB ATTACHMENT FASTENERS MUST BE OF A SUFFICIENT INCREASED LENGTH TO ACCOUNT FOR THE THICKNESS OF THE WALLBOARD TO ENSURE PROPER FASTENER EMBEDMENT INTO THE STRUCTURAL FRAMING MEMBERS OF THE SUPPORTING STRUCTURE.



NOTE: DOUBLE TRACK LOW HEADROOM AVAILABLE. 3" TRACK AVAILABLE AS NEEDED.

DESIGN LOADS: +30.0 P.S.F. & -32.0 P.S.F. TEST LOADS: +45 P.S.F. & -48.0 P.S.F.

**VERTICAL JAMB ATTACHMENT (WOOD FRAME BUILDINGS):**

3/8"x3" LAG SCREWS ON 24" CENTERS. 1-1/8" O.D. WASHER REQUIRED. LAG SCREWS MAY BE COUNTERSUNK (BUT NOT REQUIRED) TO PROVIDE A FLUSH MOUNTING SURFACE. HORIZONTAL JAMBS DO NOT TRANSFER LOAD.

**VERTICAL JAMB ATTACHMENT (C-90 BLOCK OR 2,000 PSI MIN. CONCRETE COLUMN):**

3/8"x3" SLEEVE ANCHOR BOLTS ON 24" CENTERS (2,000 PSI MIN. CONCRETE). WASHERS INCLUDED WITH SLEEVE ANCHORS.

OR 1/4"x3" TAPCON SCREWS ON 24" CENTERS (2,000 PSI MIN. CONCRETE) OR 24" CENTERS (C-90 BLOCK), 1" O.D. WASHERS REQUIRED WITH TAPCONS. ANCHORS MAY BE COUNTERSUNK (BUT NOT REQUIRED) TO PROVIDE A FLUSH MOUNTING SURFACE. HORIZONTAL JAMBS DO NOT TRANSFER LOAD.

**OTHER JAMB CONFIGURATIONS:** REFER TO DASMA TDS-161. A LICENSED DESIGN PROFESSIONAL MAY ALSO BE EMPLOYED TO APPROVE ALTERNATE FASTENERS AND/OR JAMB CONFIGURATIONS.

NOTE: THE DESIGN OF THE SUPPORTING STRUCTURAL ELEMENTS SHALL BE THE RESPONSIBILITY OF THE PROFESSIONAL OF RECORD FOR THE BUILDING OR STRUCTURE AND IN ACCORDANCE WITH CURRENT BUILDING CODES FOR THE LOADS LISTED ON THE DRAWING.

ORIGINAL DRAWINGS ARE SIGNED IN BLUE INK WITH A RAISED SEAL (EMBOSS).

DESIGN ENGINEER: MARK WESTERFIELD, P.E.  
FLORIDA P.E. #48495,  
NC P.E. #23832,  
TEXAS P.E. #91513

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MASON, OH 45040  
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MANUFACTURING PRODUCT CODE PAN-2F151	WINDLOAD RATING W5	MAX. DOOR SIZE 9'W x 16'H
DATE 9/23/96	DESCRIPTION 73/75/84A/94, 9'W; +30/-32	
DRAWN BY MWW	DRAWING NUMBER B 102110	VER. TDI