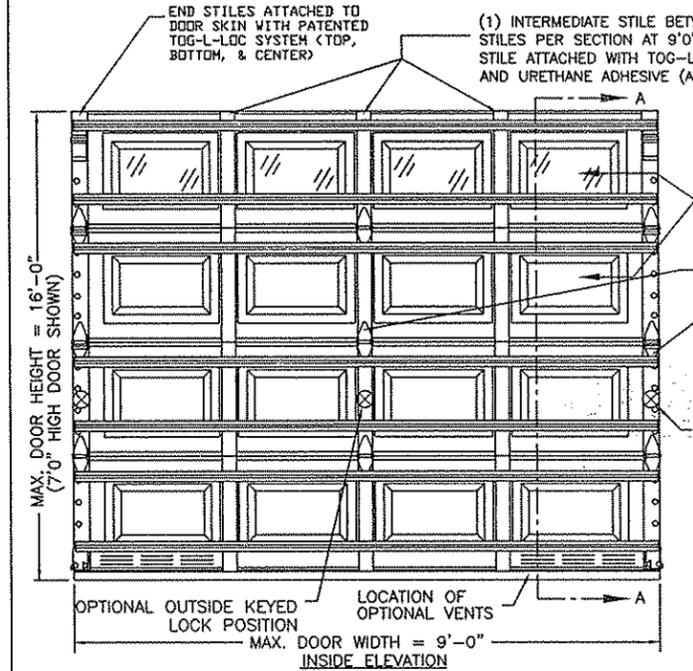


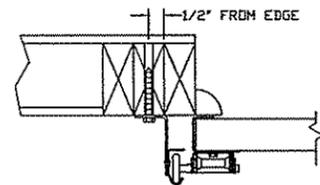
MODELS	24 GA	DOOR HEIGHT	# OF SECTIONS
CLOPAY	84A, 94, 98	UP TO 7'0"	4
IDEAL	4RST, 4F	7'3" TO 8'9"	5
HOLMES	48, 48B	9'0" TO 10'6"	6
		10'9" TO 12'3"	7
		12'6" TO 14'0"	8
		14'3" TO 15'9"	9
		16'0"	10
		MAX SECTION HEIGHT: 21'	

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).
W6, W7, W8.
ANY OF THESE W-LEVELS MAY BE SHOWN ON THE OPTIONAL SHIPPING LABEL ON THE END STILE.



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.

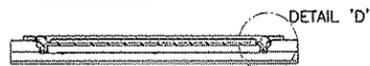


VERTICAL JAMB ATTACHMENT (WOOD FRAME BUILDINGS):
3/8"x3" LAG SCREWS ON 24" CENTERS. 1-1/8" O.D. WASHER REQUIRED. LAG SCREWS MAY BE COUNTERSUNK (BUT NOT REQUIRED) TO PROVIDE A FLUSH MOUNTING SURFACE. HORIZONTAL JAMBS DO NOT TRANSFER LOAD.

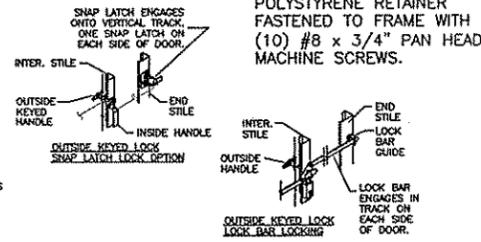
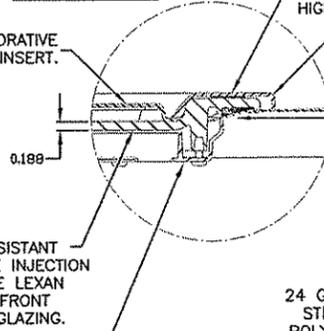
VERTICAL JAMB ATTACHMENT (C-90 BLOCK OR 2,000 PSI MIN. CONCRETE COLUMN):
3/8"x3" SLEEVE ANCHOR BOLTS ON 22" CENTERS (2,000 PSI MIN. CONCRETE). WASHERS INCLUDED WITH SLEEVE ANCHORS.
OR
1/4"x3" TAPCON SCREWS ON 19" CENTERS (2,000 PSI MIN. CONCRETE) OR 10" CENTERS (C-90 BLOCK). 1" O.D. WASHERS REQUIRED 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.

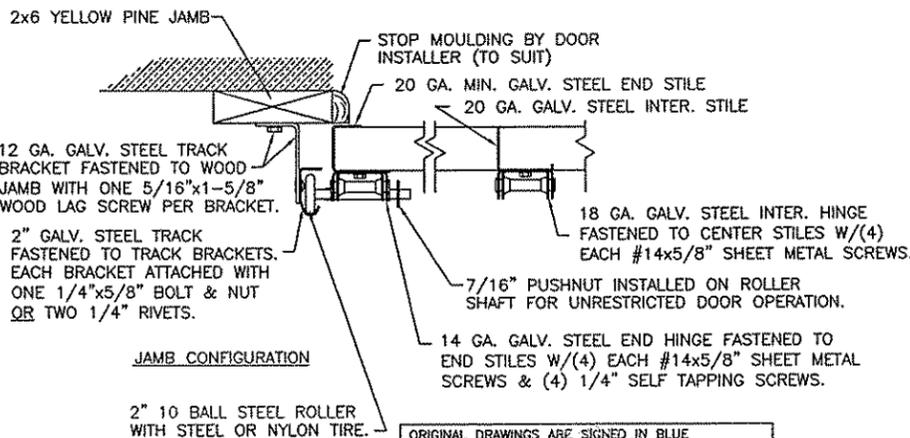
SECTION B-B



DETAIL 'D'



PREPARATION OF JAMBS BY OTHERS.



PREPARATION OF JAMBS BY OTHERS.

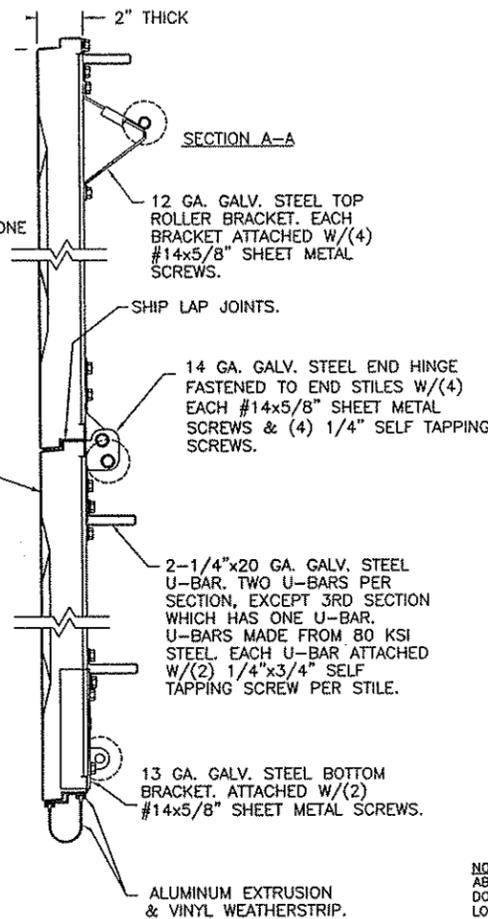
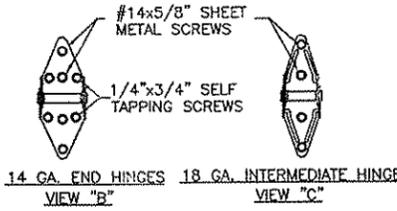
NOTE: THE DESIGN OF THE SUPPORTING STRUCTURAL ELEMENTS SHALL BE THE RESPONSIBILITY OF THE PROFESSIONAL OF RECORD FOR THE BUILDING OR STRUCTURE AND IN ACCORDANCE WITH CURRENT BUILDING CODES FOR THE LOADS LISTED ON THE DRAWING.

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

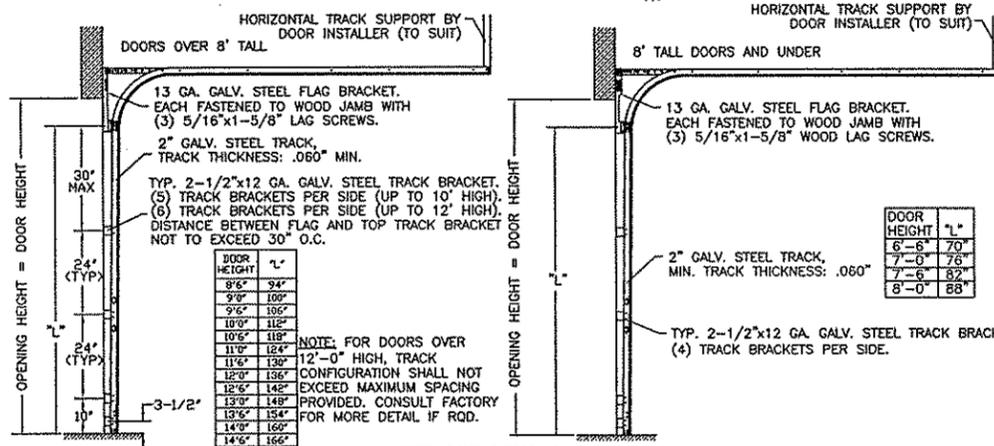
Mark Westerfield

10/3/12

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



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



THIS DOOR MEETS THE REQUIREMENTS OF THE LARGE MISSILE IMPACT AND CYCLIC TESTING.

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)	≤ 130	140	140	150
EXPOSURE LEVEL	B or C	B	C	B
MEAN ROOF HEIGHT	30'	30'	25'	30'

DESIGN LOADS: +42.0 PSF & -48.0 PSF
TEST LOADS: +63.0 PSF & -72.0 PSF.

Clopay Building Products Company
8585 DUKE BLVD. MASON, OH 45040 (513) 770-4800
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MANUFACTURING PRODUCT CODE: MPC: PAN-2F143
DATE: 11/18/96
DRAWN BY: MWW
CHECKED BY:

CLOPAY WINDLOAD RATING: W7
DESCRIPTION: 2-IN PAN +42/-48 9-0 X 16-0
DRAWING NUMBER: B 101702
VER: TD!

MAXIMUM DOOR SIZE: 9'0"W x 16'0"H

REV	DATE	DESCRIPTION
02	9/2003	ADD LHR OPTION
03	11/2003	ADD 28 KSI MIN. SKIN YIELD STRENGTH
04	02/2004	ADDED EXTENDED HEIGHT MODELS
05	02/2005	ADDED 98 MODEL
06	07/2005	UPDATED CODE REF; REMOVED 25GA DOORS
07	07/2005	ADDED M/N 73, 75, H73
08	11/30/07	COMBINED IDEAL, CLOPAY & HOLMES M/N
09	07/07/08	ADDED IMPACT RESIST. LITES, MAX HT. WAS 12'
10	08/14/08	ADDED M/N 42B AND 48B
11	08/2009	REVISED FOR TDI.