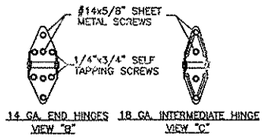
MODELS	24 GA	24 GA INS	25 GA	25 GA INS	25 GA	25 GA INS
CLOPAY	84A, 94	--	73, 75	1500, 190	76	76V
IDEAL	4RST, 4F	4RSF	6RST	6RSF	2RST	--
HOLMES	48, 48B	--	42, 42B	55, 55S	--	--
	SHORT PANEL				LONG PANEL	

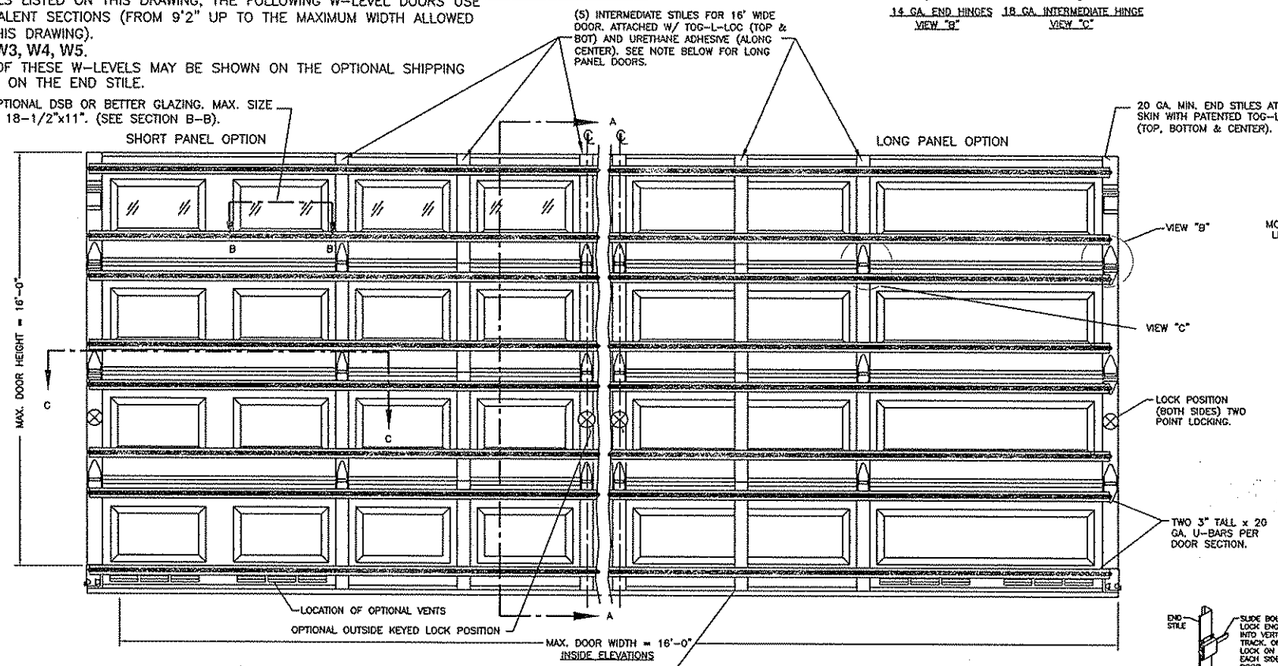
DOOR HEIGHT	# OF SECTIONS
UP TO 7'0"	4
7'3" TO 8'9"	5
9'0" TO 10'6"	6
10'9" TO 12'3"	7
12'6" TO 14'0"	8
14'3" TO 15'9"	9
16'0"	10
MAX SECTION HEIGHT: 21"	

DOOR WIDTH	# OF INTERM. STILES
9'2" TO 9'10"	1
10'0" TO 11'10"	2
12'0" TO 13'10"	3
14'0" TO 15'10"	4
16'0"	5



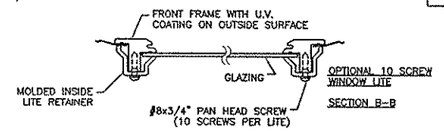
REV	DATE	DESCRIPTION
05	8/2004	ADDED INSULATED M/N 190, 1500
06	5/2005	UPDATED CODE REF.
07	9/2005	ADDED ROLLER OPTION
08	12/2006	ADDED IMPACT-RESISTANT LITE OPTION
09	11/30/07	ADDED EXTENDED HEIGHTS AND COMBINED CLOPAY, HOLMES AND IDEAL M/N
10	08/08/08	ADDED M/N 42B, 48B, 55S.
11	10/21/08	ADDED M/N 4F
12	08/2009	REVISED FOR TDI

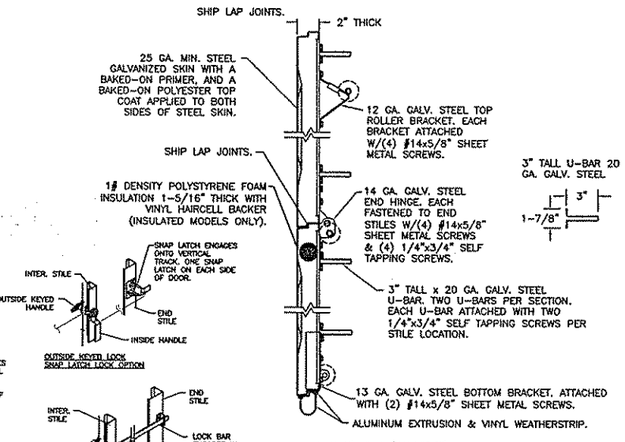
EQUIVALENT SECTION CONSTRUCTION: FOR ANY OF THE **SHORT PANEL** MODELS LISTED ON THIS DRAWING, THE FOLLOWING W-LEVEL DOORS USE EQUIVALENT SECTIONS (FROM 9'2" UP TO THE MAXIMUM WIDTH ALLOWED ON THIS DRAWING).
W2, W3, W4, W5.
ANY OF THESE W-LEVELS MAY BE SHOWN ON THE OPTIONAL SHIPPING LABEL ON THE END STILE.



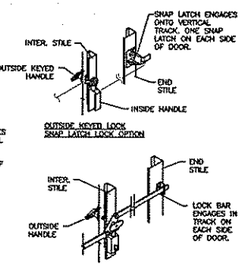
INSIDE ELEVATIONS

ADDITIONAL CENTER STILES FOR LONG-PANEL MODELS:
LONG-PANEL DOORS FROM 11'4" WIDE TO 16'0" WIDE REQUIRE 18 GA. COMMERCIAL CENTER STILES
(SHORT-PANEL MODELS HAVE FACTORY-INSTALLED EXTRA STILES ATTACHED AS NOTED ABOVE.)
ONE COMMERCIAL CENTER STILE PER SECTION 11'4" TO 14'10"W.
TWO COMMERCIAL CENTER STILES PER SECTION 15'0" TO 16'0"W.
THESE COMMERCIAL CENTER STILES ARE ATTACHED MIDPOINT BETWEEN THE EXISTING RESIDENTIAL CENTER STILES. COMMERCIAL CENTER STILES ARE ATTACHED WITH TOG-L-LOC (TOP & BOTTOM) OR (4) 3/16" POP RIVETS OR (4) #8 SHEET METAL SCREWS.





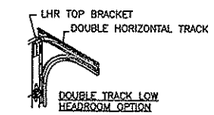
SECTION A-A (SIDE VIEW)



THE OPTIONAL GLAZING SHOWN ON THIS DRAWING MEETS THE WIND LOAD REQUIREMENTS OF THE FLORIDA BUILDING CODE OR INTERNATIONAL BUILDING CODE BUT DOES NOT MEET THE IMPACT RESISTANT REQUIREMENT FOR WINDBORNE DEBRIS REGIONS (REF. CHAPTER 16 FBC/IBC)

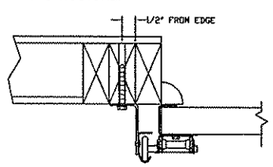
THIS DOOR MEETS OR EXCEEDS THE DESIGN LOADS FOR THE WIND SPEEDS LISTED BELOW ACCORDING TO THE FLORIDA BLDG. CODE OR IBC (ASCE7) FOR THE FOLLOWING CONDITIONS: 1) ENCLOSED BUILDING, 2) DOOR HAS 2' OF WIDTH IN BUILDING'S END ZONE, 3) IMPORTANCE FACTOR OF 1.0, 4) ANY ROOF SLOPE, AND 5) 50% SAFETY FACTOR.

WIND SPEED (MPH)	≤ 110	120	120	130
EXPOSURE LEVEL	B or C	B	C	B
MEAN ROOF HEIGHT	30'	30'	16'	30'



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 ½" 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.



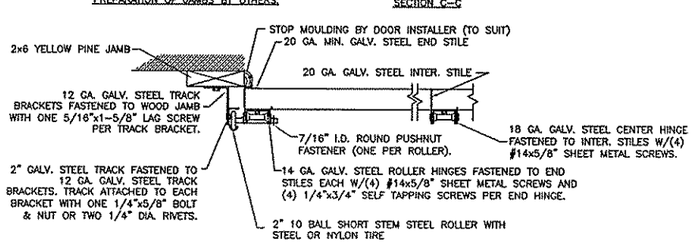
VERTICAL JAMB ATTACHMENT (WOOD FRAME BUILDINGS):
3/8"x3" LAG SCREWS ON 24" CENTERS. 1-1/8" O.D. WASHER REQUIRED. LAG SCREWS MAY BE COUNTERSUNK (BUT NOT REQUIRED) TO PROVIDE A FLUSH MOUNTING SURFACE. HORIZONTAL JAMBS DO NOT TRANSFER LOAD.

VERTICAL JAMB ATTACHMENT (C-90 BLOCK OR 2,000 PSI MIN. CONCRETE COLUMN):
3/8"x3" SLEEVE ANCHOR BOLTS ON 17" CENTERS (2,000 PSI MIN. CONCRETE). WASHERS INCLUDED WITH SLEEVE ANCHORS.
OR
1/4"x3" TAPCON SCREWS ON 14" CENTERS (2,000 PSI MIN. CONCRETE) OR 8" 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.

PREPARATION OF JAMBS BY OTHERS.

JAMB CONFIGURATION
SECTION C-C

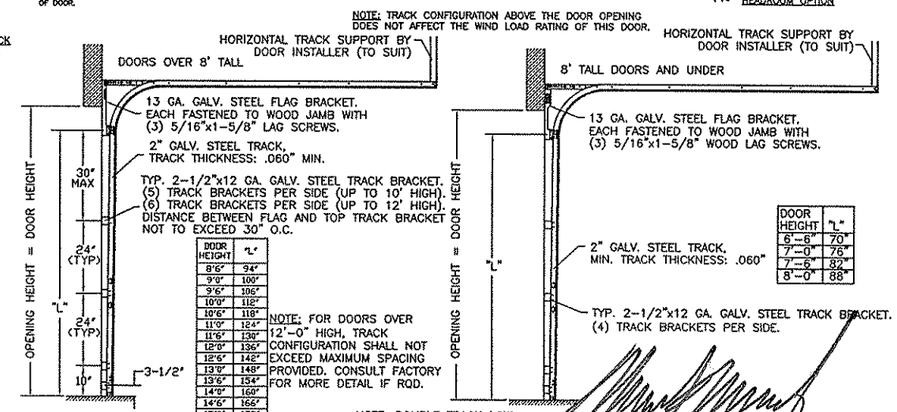


PREPARATION OF JAMBS BY OTHERS.

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).

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



DOOR HEIGHT	"L"
8'6"	94"
9'0"	100"
9'6"	106"
10'0"	112"
10'6"	118"
11'0"	124"
11'6"	130"
12'0"	136"
12'6"	142"
13'0"	148"
13'6"	154"
14'0"	160"
14'6"	166"
15'0"	172"
15'6"	178"
16'0"	184"

NOTE: FOR DOORS OVER 12'-0" HIGH, TRACK CONFIGURATION SHALL NOT EXCEED MAXIMUM SPACING PROVIDED. CONSULT FACTORY FOR MORE DETAIL IF RQD.

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

DOOR HEIGHT	"L"
6'-6"	70"
7'-0"	76"
7'-6"	82"
8'-0"	88"

10/3/12

DESIGN LOADS: +30.0 PSF & -30.0 PSF.
TEST LOADS: +45.0 PSF & -45.0 PSF.

Clopay Building Products Company
8585 DUKE BLVD.
MASON, OH 45040
(513) 770-4800

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MANUFACTURING PRODUCT CODE
SHORT PANEL: PAN-2F153
LONG PANEL: PAN-2F151

DATE: 1/26/96
DRAWN BY: MWW

WINDLOAD RATING: W5
MAX. DOOR SIZE: 16'0"W x 16'0"H

DESCRIPTION: MODEL 73/75/84A/94; 16'W +30/-30 PSF

B

DRAWING NUMBER: 101593

VER: TDI