

'CLASSIC' RAISED PANEL EMBOSS DOORS								
MODELS	24 GA	24 GA INS	25 GA	25 GA INS	24 GA	24 GA INS	25 GA	25 GA INS
CLOPAY	84A, 94	94V	73, 75	1500, 190	96	96V	75L, 76	76V
IDEAL	4F*	--	--	--	--	--	--	--
HOLMES	48B	--	42B	55S	--	--	--	--
SHORT PANEL					LONG PANEL			

* - MODEL 4F IS FLUSH

'CARRIAGE HOUSE' RAISED PANEL EMBOSS DOORS				
MODELS	25 GA	25 GA INS	25 GA	25 GA INS
CLOPAY 'GALLERY'	GD5S, GR5S	GD5SV, GR5SV	GD5L, GR5L	GD5LV, GR5LV
HOLMES 'ARTISTRY'	AR5S	AR5SV	AR5L	AR5LV
IDEAL 'CARRIAGE HOUSE'	ED5S	ED5SV	ED5L	ED5LV
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"	

MINIMUM OF (1) INTERMEDIATE STILE PER SECTION, ATTACHED W/ TOG-L-LOC (TOP & BOT) AND URETHANE ADHESIVE (ALONG CENTER).

OPTIONAL GLAZING MAY BE STANDARD OR IMPACT RESISTANT GLAZING. SEE SECTION B-B FOR DETAILS.
MAX. STANDARD SIZE IS 42"x16".
IMPACT RESISTANT GLAZING IS 21-5/8"x14-1/8".

20 GA. MIN. END STILES ATTACHED TO DOOR SKIN WITH PATENTED TOG-L-LOC SYSTEM (TOP, BOTTOM & CENTER).

LOCK POSITION (BOTH SIDES)
TWO POINT LOCKING

ONE 3" TALL x 20 GA. U-BAR (MIN. YIELD: 50 KSI) PER DOOR SECTION, EXCEPT BOTTOM SECTION WHICH REQUIRES TWO U-BARS.

LOCATION OF OPTIONAL VENTS
OPTIONAL OUTSIDE KEYED LOCK POSITION
MAX. DOOR WIDTH 9'0"

'CLASSIC' SHORT RAISED-PANEL SHOWN. LONG 'CLASSIC' AND SHORT 'CARRIAGE HOUSE' ARE ALSO APPROVED.

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.

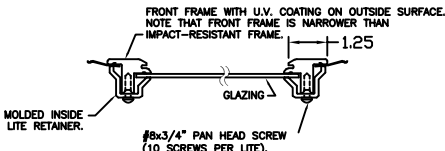
OR

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.

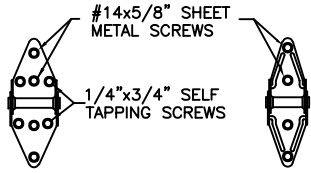
OTHER JAMB CONFIGURATIONS: REFER TO DASMA TDS-161. A LICENSED DESIGN PROFESSIONAL MAY ALSO BE EMPLOYED TO APPROVE ALTERNATE FASTENERS AND/OR JAMB CONFIGURATIONS.

STANDARD ASSEMBLY DETAILS DRAWING 102110-B

SECTION B-B (NON-IMPACT RESISTANT GLAZING OPTION)



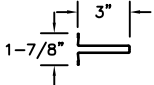
STANDARD ASSEMBLY CONSTRUCTION:
OPTIONAL DSB OR 1/8" ACRYLIC LITES AVAILABLE. OPTIONAL ACRYLIC GLAZING IS PLASKOLITE OPTIX OR LUCITE CP APPROVED CC2 PLASTIC IN ACCORDANCE WITH IBC/FBC 2606.
THE ENTIRE DOOR ASSEMBLY INSTALLED IN COMPLIANCE WITH THIS SECTION MEETS THE WIND LOAD REQUIREMENTS OF THE FLORIDA BUILDING CODE OR INTERNATIONAL BUILDING CODE BUT DOES NOT MEET THE IMPACT RESISTANT REQUIREMENT FOR WINDBORNE DEBRIS REGIONS (REF. CHAPTER 16 FBC/IBC).



14 GA. END HINGES VIEW "B" 18 GA. INTERMEDIATE HINGE VIEW "C"

1# DENSITY POLYSTYRENE FOAM INSULATION 1-5/16" THICK WITH VINYL HAIRCELL BACKER (INSULATED MODELS ONLY)

3" TALL U-BAR 20 GA. GALV. STEEL



16 GA. GALV. STEEL TOP ROLLER BRACKET. EACH BRACKET ATTACHED W/(4) #14x5/8" SHEET METAL SCREWS.

SHIP LAP JOINTS.

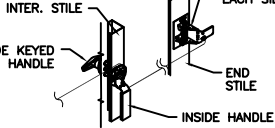
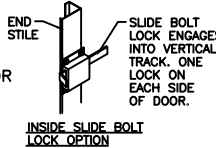
14 GA. GALV. ROLLER HINGE. EACH HINGE FASTENED TO END STILES WITH (4) #14x5/8" SHEET METAL SCREWS AND (4) 1/4x3/4" SELF TAPPING SCREWS. SEE VIEW "B".

3" TALL x 20 GA. GALV. STEEL U-BAR. ONE U-BAR ON EVERY SECTION, EXCEPT BOTTOM SECTION WHICH HAS TWO U-BARS. EACH U-BAR ATTACHED WITH 1/4x3/4" SELF TAPPING SCREWS PER STILE LOCATION.

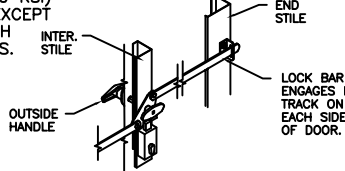
13 GA. GALV. STEEL BOTTOM BRACKET. ATTACHED WITH TWO #14x5/8" SHEET METAL SCREWS.

ALUMINUM EXTRUSION & VINYL WEATHERSTRIP.

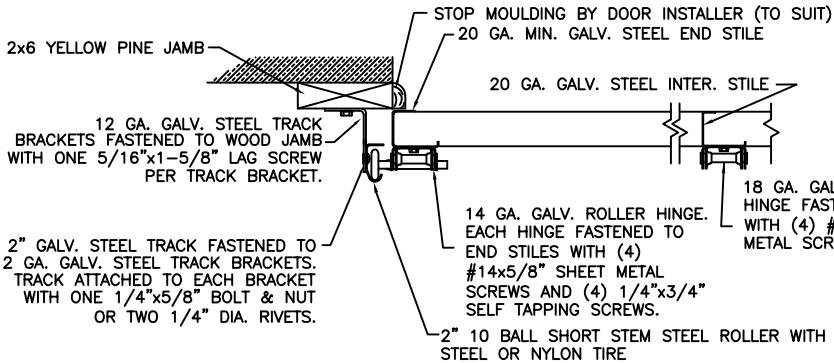
SECTION A-A (SIDE VIEW)



OUTSIDE KEYED LOCK SNAP LATCH LOCK OPTION

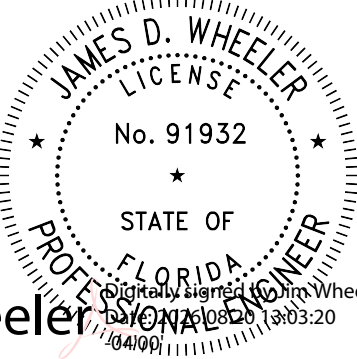


NOTE: THE DESIGN OF THE SUPPORTING STRUCTURAL ELEMENTS SHALL BE THE RESPONSIBILITY OF THE PROFESSIONAL OF RECORD FOR THE BUILDING OR STRUCTURE AND IN ACCORDANCE WITH CURRENT BUILDING CODES FOR THE LOADS LISTED ON THE DRAWING.



PREPARATION OF JAMBS BY OTHERS.

JAMB CONFIGURATION SECTION C-C



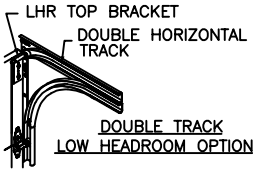
DESIGN ENGINEER: JAMES D. WHEELER, P.E. FLORIDA P.E. #91932

Clopay
CORPORATION

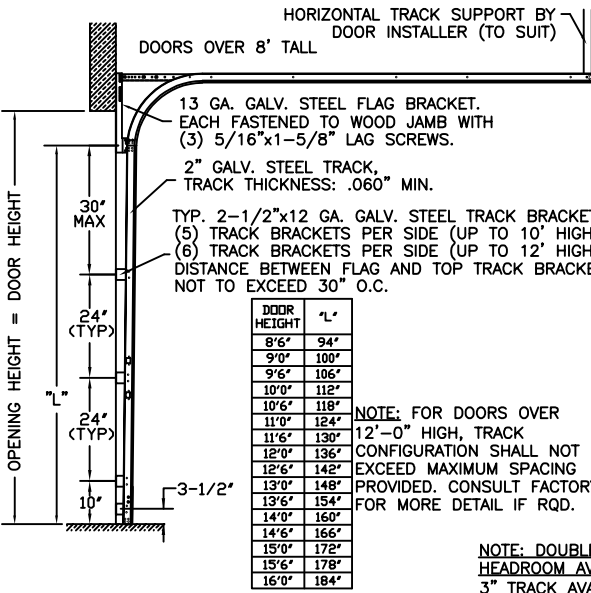
8585 DUKE BLVD.
MASON, OH 45040
(513) 770-4800

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REV	DATE	DESCRIPTION
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	12/2009	ADDED 'CARRIAGE HOUSE' EMBOSS DOORS.
16	08/26/10	ADDED IMPACT RESISTANT ASSY (-A) AND STANDARD ASSY (-B).
17	01/2012	REVISED WIND SPEED TABLE FOR ASCE7-10.
18	11/10/20	UPDATED TITLE BLOCK AND REMOVED WIND CHART.
19	02/23/24	ADDED M/N 96, 96V.
20	08/06/26	ADDED 'CARRIAGE HOUSE' LONG PANEL DOORS, M/N 94V.



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



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.

HORIZONTAL TRACK SUPPORT BY DOOR INSTALLER (TO SUIT)

8' TALL DOORS AND UNDER
13 GA. GALV. STEEL FLAG BRACKET. EACH FASTENED TO WOOD JAMB WITH (3) 5/16x1-5/8" WOOD LAG SCREWS.

2" GALV. STEEL TRACK, MIN. TRACK THICKNESS: .060"

TYP. 2-1/2"x12 GA. GALV. STEEL TRACK BRACKET. (4) TRACK BRACKETS PER SIDE.

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

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

MANUFACTURING PRODUCT CODE PAN-2F151		WINDLOAD RATING W5	MAX. DOOR SIZE: 9'W x 16'H	
DATE: 9/23/96		DESCRIPTION: CLASSIC AND CH RP STEEL PAN SINGLE-CAR, 9'W +30/-32 PSF		
DRAWN BY: MWW				
CHECKED BY:		B	DRAWING NUMBER: 102110 - A/B	VER: IBC