

'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	--	73, 75	1500, 190	96	96V	75L, 76	76V
IDEAL	4RST, 4F*	4RSF	6RST	6RSF	--	--	2RST	--
HOLMES	48, 48B	--	42, 42B	55, 55S	--	--	--	--
SHORT PANEL					LONG PANEL			

* - MODEL 4F IS FLUSH

'CARRIAGE HOUSE' RAISED PANEL EMBOSS DOORS		
MODELS	25 GA	25 GA INS
CLOPAY 'GALLERY'	GD5S, GR5S	GD5SV, GR5SV
HOLMES 'ARTISTRY'	AR5S	AR5SV
IDEAL 'CARRIAGE HOUSE'	ED5S	ED5SV
SHORT PANEL		

DOOR HEIGHT	# OF SECTIONS	# OF U-BARS
UP TO 7'0"	4	6
7'3" TO 8'9"	5	8
9'0" TO 10'6"	6	9
10'9" TO 12'3"	7	11
12'6" TO 14'0"	8	12
14'3" TO 15'9"	9	14
16'0"	10	15
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

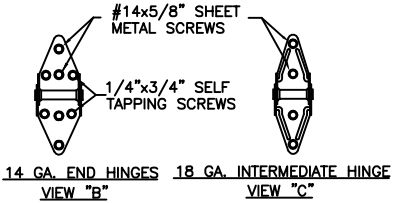
SHEET 1 OF 2

REV	DATE	DESCRIPTION
11	10/21/08	ADDED M/N 4F
12	8/2009	ADDED 'CARRIAGE HOUSE' EMBOSS DOORS.
13	8/2010	UPDATED MODEL TABLE.
14	1/2012	REVISED WIND SPEED TABLE FOR ASCE7-10.
15	4/2012	ADDED IMPACT RESISTANT OPTION.
16	11/9/20	UPDATED TITLE BLOCK AND REMOVED WIND CHART.
17	10/4/23	ADDED ADDITIONAL FASTENERS.
18	02/23/24	CHANGED STRUT DEFINITION AND ADDED M/N 96, 96V.

OPTIONAL GLAZING MAY BE STANDARD OR IMPACT RESISTANT GLAZING. SEE SECTION B-B FOR DETAILS.
MAX. STANDARD SIZE IS 42-1/2"x16". IMPACT RESISTANT GLAZING IS 21-5/8"x14-1/8".

INTERMEDIATE STILES (SEE TABLE FOR QTY). ATTACHED W/ TOG-L-LOC (TOP & BOT) AND URETHANE ADHESIVE (ALONG CENTER)

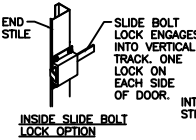
3" x 20 GA. U-BARS. U-BARS IN A 2-1-2-1 PATTERN (I.E. TWO U-BARS ON BOTTOM SECTION, ONE U-BARS ON NEXT SECTION, ETC.)



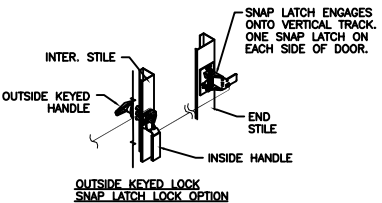
VIEW "B"

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

VIEW "C"



LOCK POSITION (BOTH SIDES) TWO POINT LOCKING



SECTION A-A (SIDE VIEW)

3" TALL U-BAR
20 GA. GALV. STEEL
MIN. YEILD STRENGTH: 80 KSI

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

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

3" TALL x 20 GA. GALV. STEEL U-BARS IN A 2-1-2-1 PATTERN (I.E. TWO U-BARS ON BOTTOM SECTION, ONE U-BAR ON NEXT SECTION, ETC.). EACH U-BAR ATTACHED WITH (2) 1/4"x3/4" SELF TAPPING SCREWS PER STILE LOCATION.

13 GA. GALV. STEEL BOTTOM BRACKET. ATTACHED WITH (2) #14x5/8" SHEET METAL SCREWS.
ALUMINUM EXTRUSION & VINYL WEATHERSTRIP.

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

25 GA. MIN. GALV. STEEL SKIN WITH A BAKED-ON PRIMER, AND A BAKED-ON POLYESTER TOP COAT APPLIED TO BOTH SIDES OF STEEL SKIN.

SHIP LAP JOINTS.

OPTIONAL OUTSIDE KEYED LOCK POSITION

MAX. DOOR WIDTH = 16'-0"

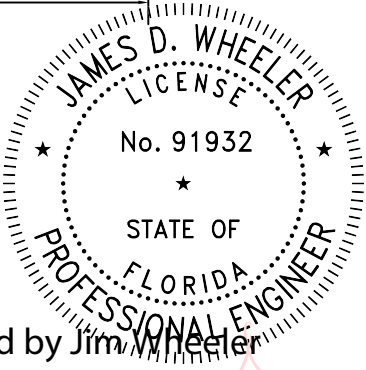
INSIDE ELEVATIONS

'CLASSIC' SHORT RAISED-PANEL SHOWN. 'CARRIAGE HOUSE' SHORT RAISED-PANEL IS ALSO APPROVED.

SEE SHEET TWO FOR
IMPACT RESISTANT CONSTRUCTION DETAIL "A"
AND STANDARD CONSTRUCT DETAIL "B";
TRACK AND JAMB DETAILS.

Digitally signed by Jim M. Wheeler
Date: 2024.02.27 16:55:54 -05'00'

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



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

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MANUFACTURING PRODUCT CODE: MPC: PAN-2F153		WINDLOAD RATING W4	MAX. DOOR SIZE: 16'0"W x 16'0"H
DATE: 1/3/97	DESCRIPTION: CLASSIC AND CH RP STEEL PAN DOUBLE-CAR, 16'W +24/-24.5 PSF		
DRAWN BY: JAC	DRAWING NUMBER: 101711		VER: IBC
CHECKED BY: MWW			

FLORIDA PRODUCT APPROVAL 15279

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IDEAL	4RST, 4F#	4RSF	6RST	6RSF	--	--	2RST	--
HOLMES	48, 48B	--	42, 42B	55, 55S	--	--	--	--
SHORT PANEL					LONG PANEL			

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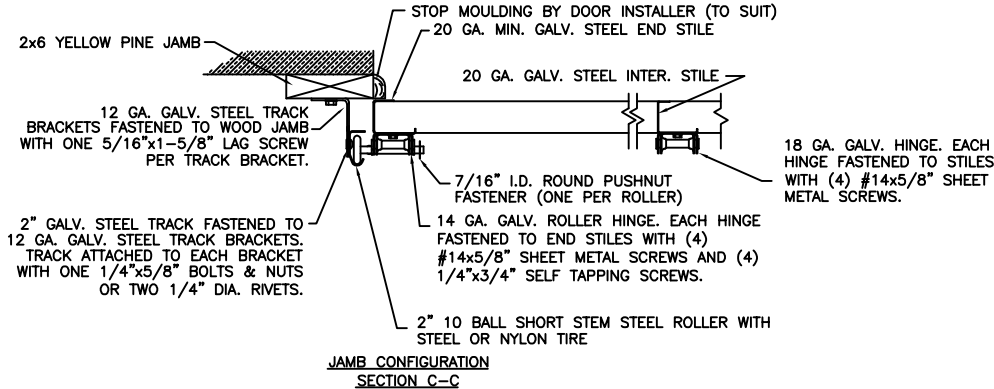
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SHORT PANEL		

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 20" CENTERS (2,000 PSI MIN. CONCRETE). WASHERS INCLUDED WITH SLEEVE ANCHORS.
OR
1/4"x3" TAPCON SCREWS ON 17" CENTERS (2,000 PSI MIN. CONCRETE) OR 9" 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.

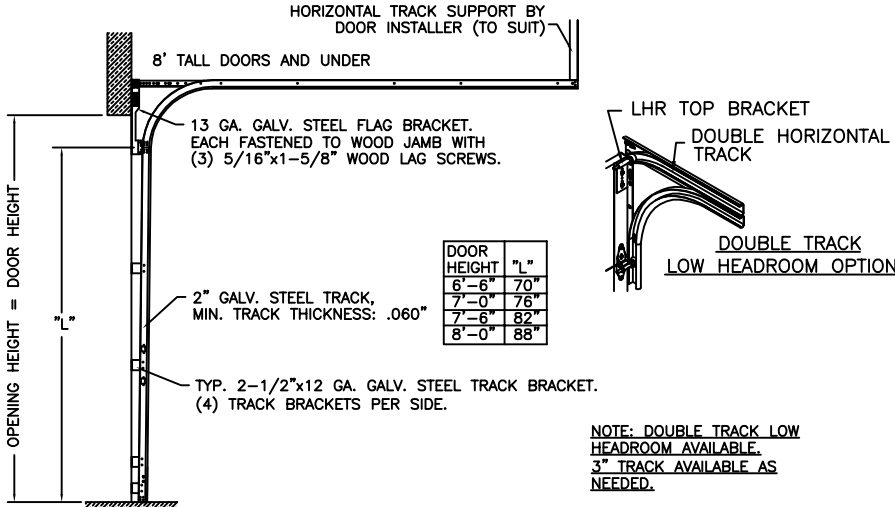


NOTE: THE DESIGN OF THE SUPPORTING STRUCTURAL ELEMENTS SHALL BE THE RESPONSIBILITY OF THE PROFESSIONAL OF RECORD FOR THE BUILDING OR STRUCTURE AND IN ACCORDANCE WITH CURRENT BUILDING CODES FOR THE LOADS LISTED ON THE DRAWING.

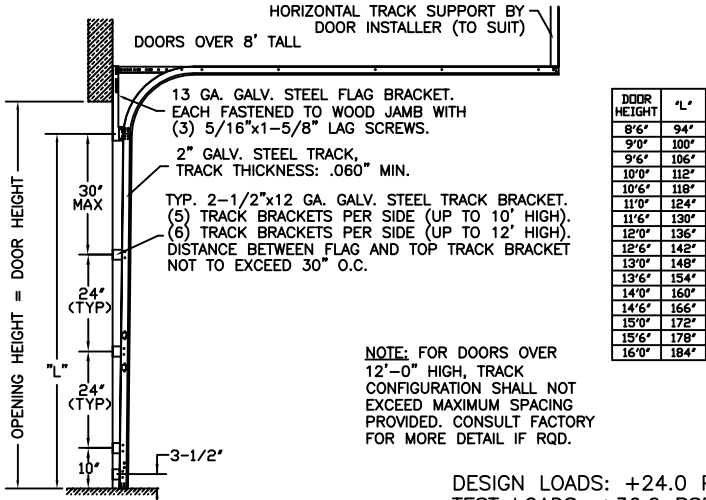
SHEET 2 OF 2

REV	DATE	DESCRIPTION
18	--	SEE REVISION HISTORY ON SHEET ONE.

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



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

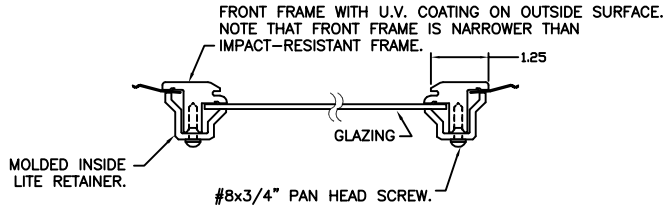


NOTE: FOR DOORS OVER 12'-0" HIGH, TRACK CONFIGURATION SHALL NOT EXCEED MAXIMUM SPACING PROVIDED. CONSULT FACTORY FOR MORE DETAIL IF RQD.

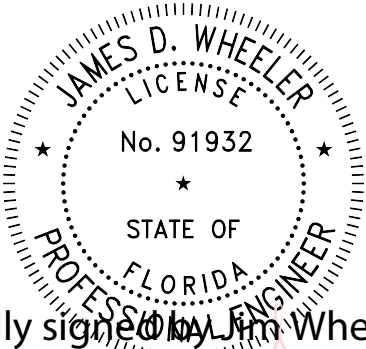
DESIGN LOADS: +24.0 PSF & -24.5 PSF
TEST LOADS: +36.0 PSF & -37.0 PSF

STANDARD ASSEMBLY DETAILS
DRAWING 101711-B

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



STANDARD ASSEMBLY CONSTRUCTION:
OPTIONAL SSB, 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).



Digitally signed by James D. Wheeler
Date: 2024.02.27 16:56:34 -05'00'

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