

'CLASSIC' RAISED PANEL EMBOSS DOORS							
MODELS	24 GA	24 GA INS	25 GA	25 GA INS	24 GA	24 GA INS	25 GA
CLOPAY	84A, 94	--	73, 75	1500, 190	96	96V	75L, 76
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	25 GA	25 GA INS
CLOPAY 'GALLERY'	GD5S, GR5S	GD5SV, GR5SV	--	--
HOLMES 'ARTISTRY'	AR5S	AR5SV	--	--
IDEAL 'CARRIAGE HOUSE'	ED5S	ED5SV	--	--
SHORT PANEL		LONG PANEL		

'CLASSIC' RAISED PANEL EMBOSS DOORS			
SHORT PANEL		LONG PANEL	
DOOR WIDTH	# OF INTERM. STILES	DOOR WIDTH	# OF INTERM. STILES
9'2" TO 9'10"	1	9'2" TO 11'2"	1
10'0" TO 11'10"	2	11'4" TO 14'10"	3
12'0" TO 13'10"	3	15'0" TO 16'0"	5
14'0" TO 15'10"	4	SEE NOTE BELOW REGARDING EXTRA STILES ON LONG PANEL DOORS.	
16'0"	5		

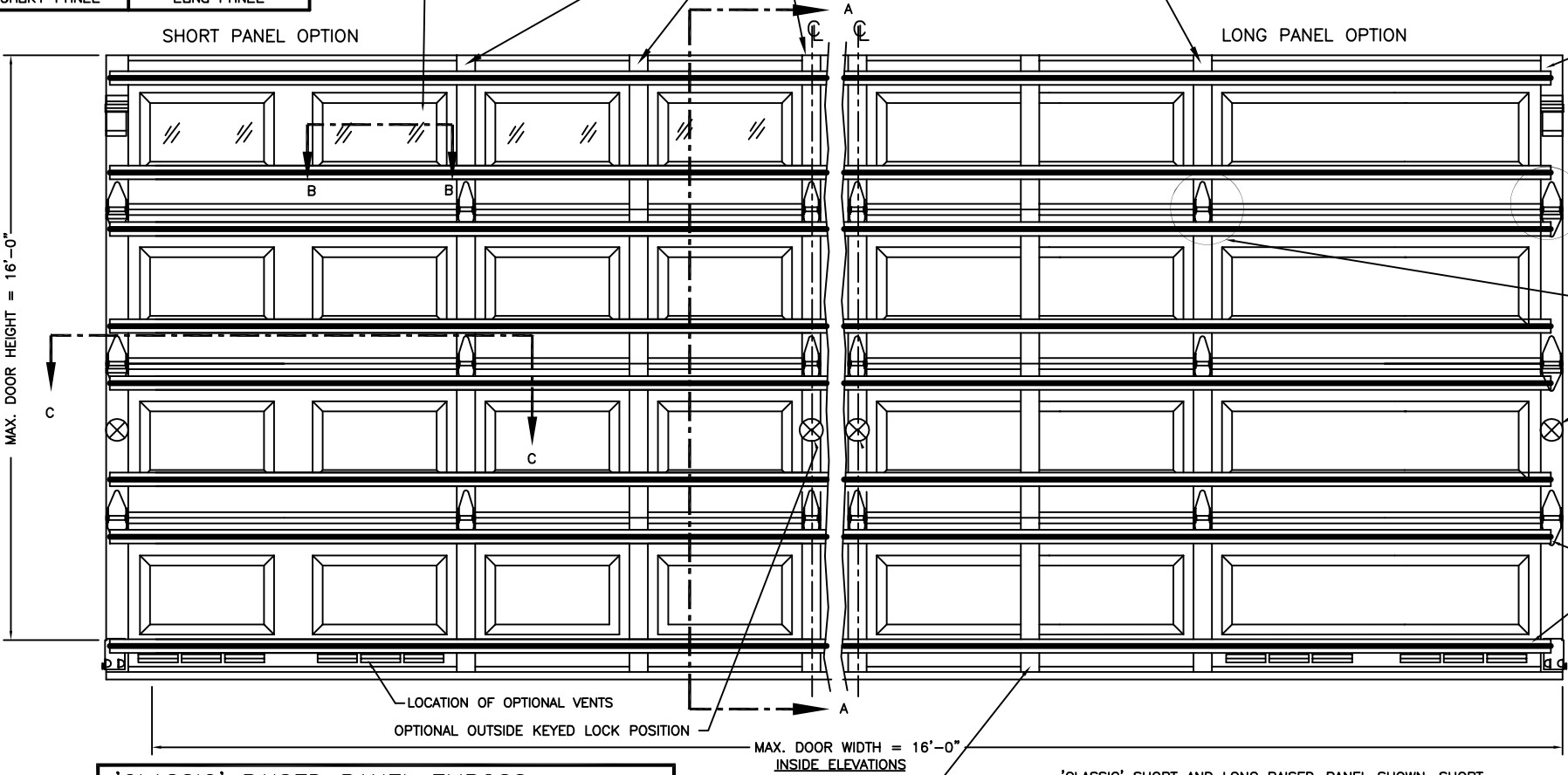
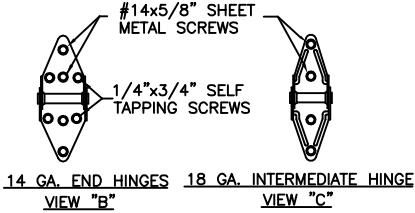
'CARRIAGE HOUSE' RAISED PANEL EMBOSS DOORS	
SHORT PANEL	
DOOR WIDTH	# OF INTERM. STILES
9'2" TO 10'0"	1
10'2" TO 11'4"	N/A
11'6" TO 13'10"	3
14'0" TO 16'0"	5

SHEET 1 OF 2

REV	DATE	DESCRIPTION
00	4/2012	REVISED LOADS PER NEW TESTING. SEE 101593 FOR PRIOR LOADS.
01	8/4/20	UPDATED TITLE BLOCK AND REMOVED WIND CHART.
02	2/23/24	ADDED M/N 96, 96V.

OPTIONAL GLAZING MAY BE STANDARD OR IMPACT RESISTANT GLAZING. SEE SECTION B-B FOR DETAILS. MAX. STANDARD SIZE IS 19-1/2"x16". IMPACT RESISTANT GLAZING IS 21-5/8"x14-1/8".

(5) INTERMEDIATE STILES FOR 16' WIDE DOOR. ATTACHED W/ TOG-L-LOC (TOP & BOT) AND URETHANE ADHESIVE (ALONG CENTER). SEE NOTE BELOW FOR LONG PANEL DOORS.



'CLASSIC' RAISED PANEL EMBOSS: EXTRA 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.

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

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"	

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

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

VIEW "B"

VIEW "C"

LOCK POSITION (BOTH SIDES) TWO POINT LOCKING.

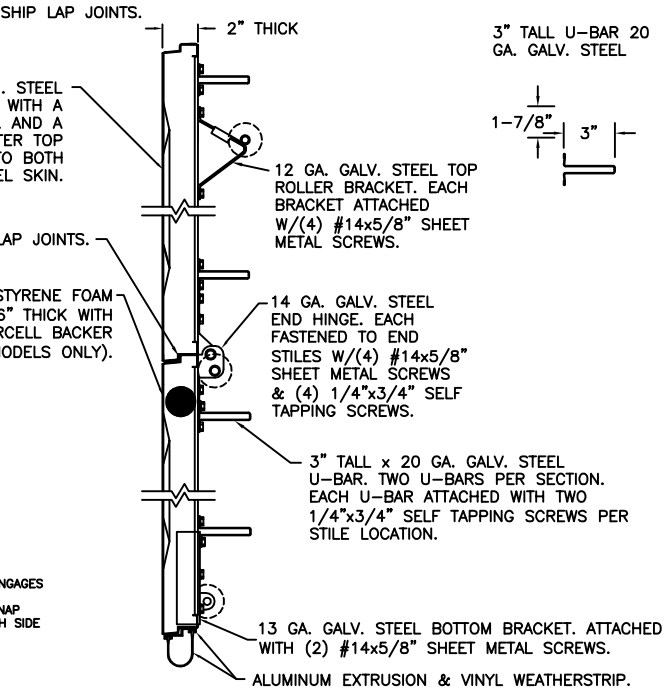
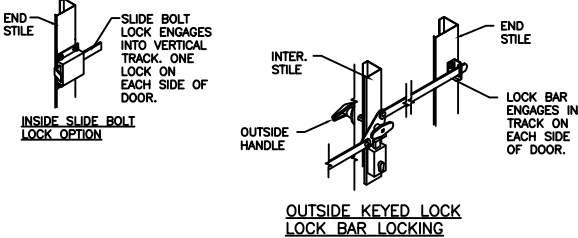
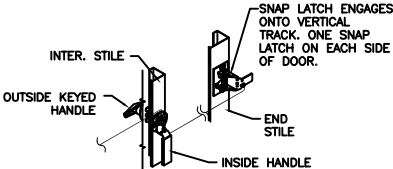
TWO 3" TALL x 20 GA. U-BARS PER DOOR SECTION.

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

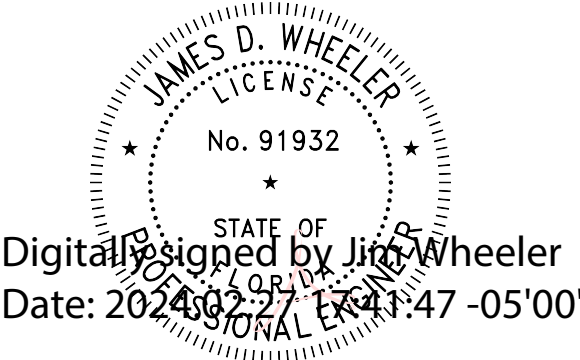
1# DENSITY POLYSTYRENE FOAM INSULATION 1-5/16" THICK WITH VINYL HAIRCELL BACKER (INSULATED MODELS ONLY).

SHIP LAP JOINTS.

SHIP LAP JOINTS.



SECTION A-A (SIDE VIEW)



DESIGN LOADS: +28.0 PSF & -30.5 PSF. TEST LOADS: +42.0 PSF & -46.0 PSF.

 CORPORATION	8585 DUKE BLVD. MASON, OH 45040 (513) 770-4800	MANUFACTURING PRODUCT CODE SHORT PANEL: PAN-2F153 LONG PANEL: PAN-2F156		WINDLOAD RATING W5	MAX. DOOR SIZE: 16'0"W x 16'0"H
		DATE: 4/23/12	DESCRIPTION: MODEL 73/75/84A/94; 16'W +28/-30.5 PSF		
		DRAWN BY: SH	B	DRAWING NUMBER: 104698 - A/B	VER: IBC
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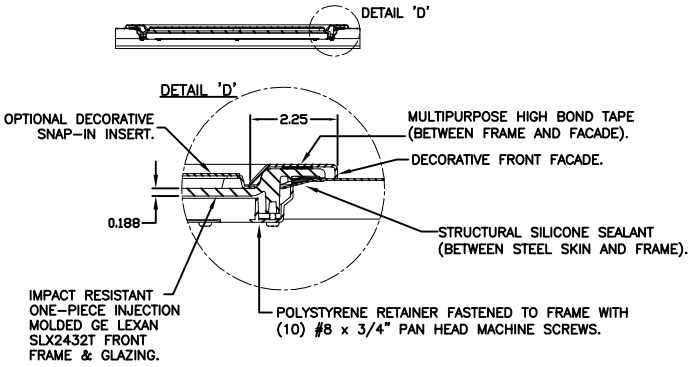
'CLASSIC' RAISED PANEL EMBOSS DOORS								
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CLOPAY	84A, 94	--	73, 75	1500, 190	96	96V	75L, 76	76V
IDEAL	4RST, 4F*	4RSF	6RST	6RSF	--	--	2RST	--
HOLMES	48, 48B	--	42, 42B	55, 55S	--	--	--	--
SHORT PANEL					LONG PANEL			

* - MODEL 4F IS FLUSH

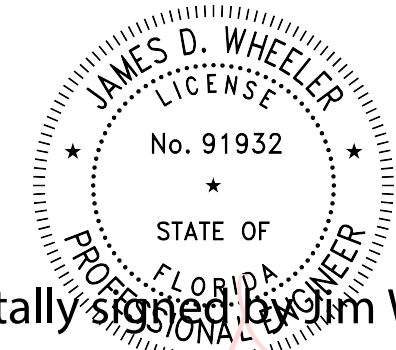
'CARRIAGE HOUSE' RAISED PANEL EMBOSS DOORS				
MODELS	25 GA	25 GA INS	25 GA	25 GA INS
CLOPAY 'GALLERY'	GD5S, GR5S	GD5SV, GR5SV	--	--
HOLMES 'ARTISTRY'	AR5S	AR5SV	--	--
IDEAL 'CARRIAGE HOUSE'	ED5S	ED5SV	--	--
SHORT PANEL		LONG PANEL		

IMPACT RESISTANT ASSEMBLY DETAILS
DRAWING 104698-A

SECTION B-B (IMPACT-RESISTANT GLAZING OPTION)



IMPACT-RESISTANT CONSTRUCTION:
SOLID DOORS (NO GLAZING) OR DOORS WITH OPTIONAL IMPACT-RESISTANT GLAZING ARE IMPACT-RESISTANT. OPTIONAL INJECTION-MOLDED POLYCARBONATE FRONT FRAME AND GLAZING IS GE LEXAN SLX2432T, AN 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 AND INTERNATIONAL BUILDING CODE AND MEETS THE IMPACT-RESISTANT REQUIREMENTS (REF. CHAPTER 16 FBC/IBC).



Digitally signed by Jim Wheeler
Date: 2024.02.27 17:41:05 -05'00'

DESIGN ENGINEER:
JAMES D. WHEELER
FLORIDA P.E. #01932

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

SHEET 2 OF 2

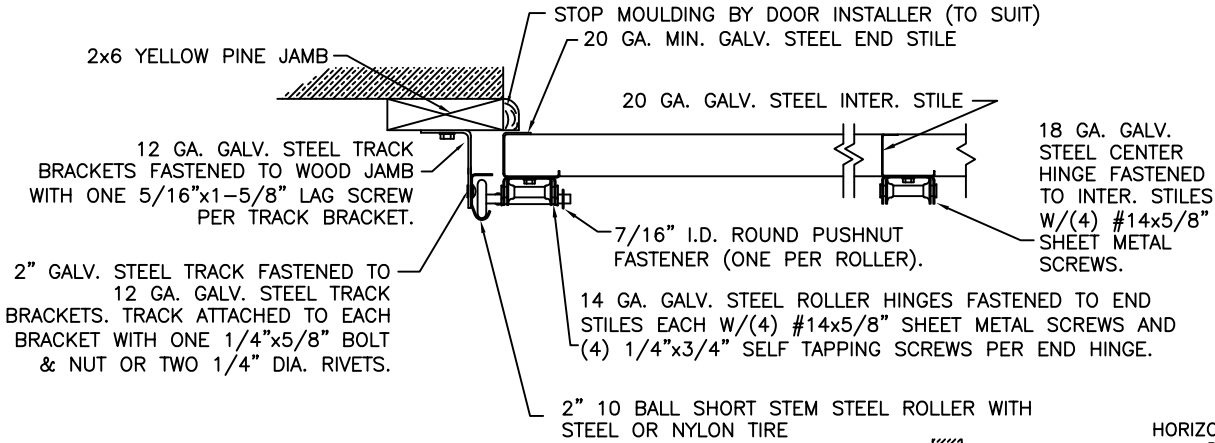
VERTICAL JAMB ATTACHMENT (WOOD FRAME BUILDINGS):
3/8"x3" LAG SCREWS ON 24" CENTERS. 1-1/8" O.D. WASHER REQUIRED. LAG SCREWS MAY BE COUNTERSUNK (BUT NOT REQUIRED) TO PROVIDE A FLUSH MOUNTING SURFACE. HORIZONTAL JAMBS DO NOT TRANSFER LOAD.

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.

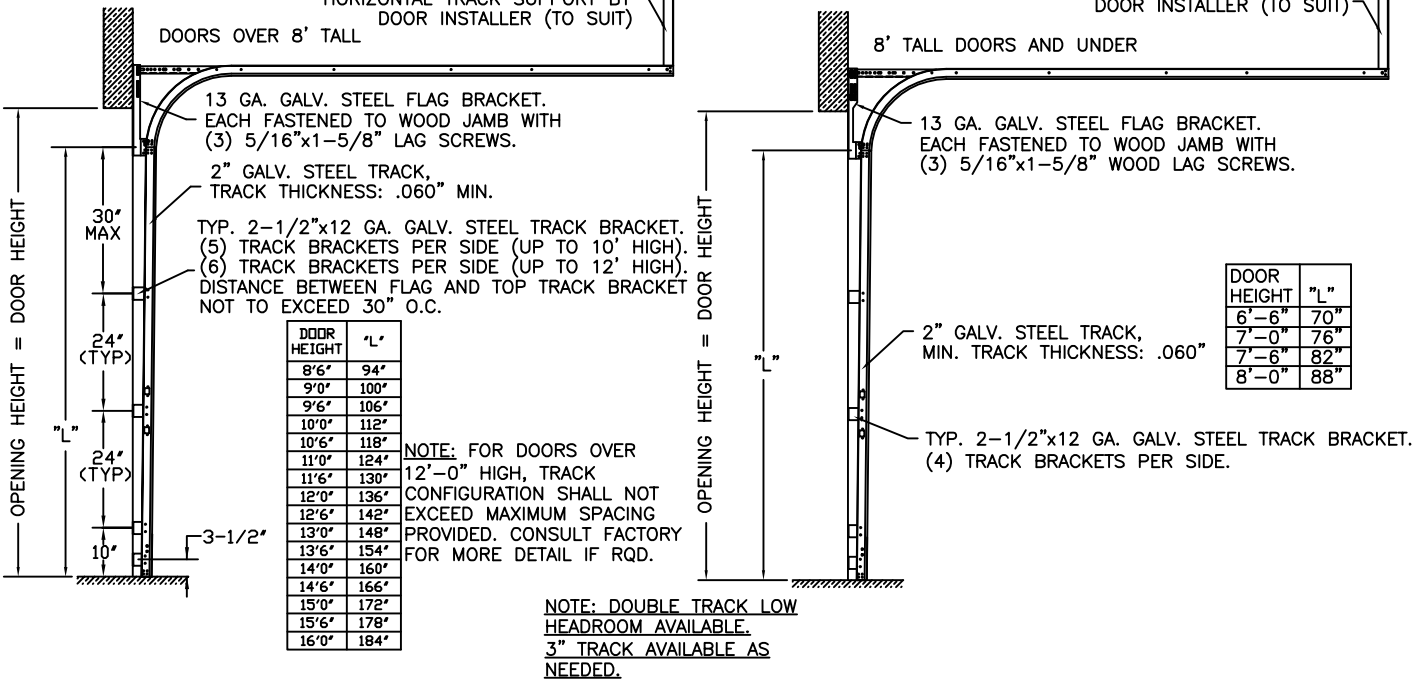
PREPARATION OF JAMBS BY OTHERS.

JAMB CONFIGURATION
SECTION C-C



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.

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



DESIGN LOADS: +28.0 PSF & -30.5 PSF.
TEST LOADS: +42.0 PSF & -46.0 PSF.

 CORPORATION 8585 DUKE BLVD. MASON, OH 45040 (513) 770-4800 Clopay Corporation All Rights Reserved.	MANUFACTURING PRODUCT CODE SHORT PANEL: PAN-2F153 LONG PANEL: PAN-2F156	WINDLOAD RATING W5	MAX. DOOR SIZE: 16'0"W x 16'0"H
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