

'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

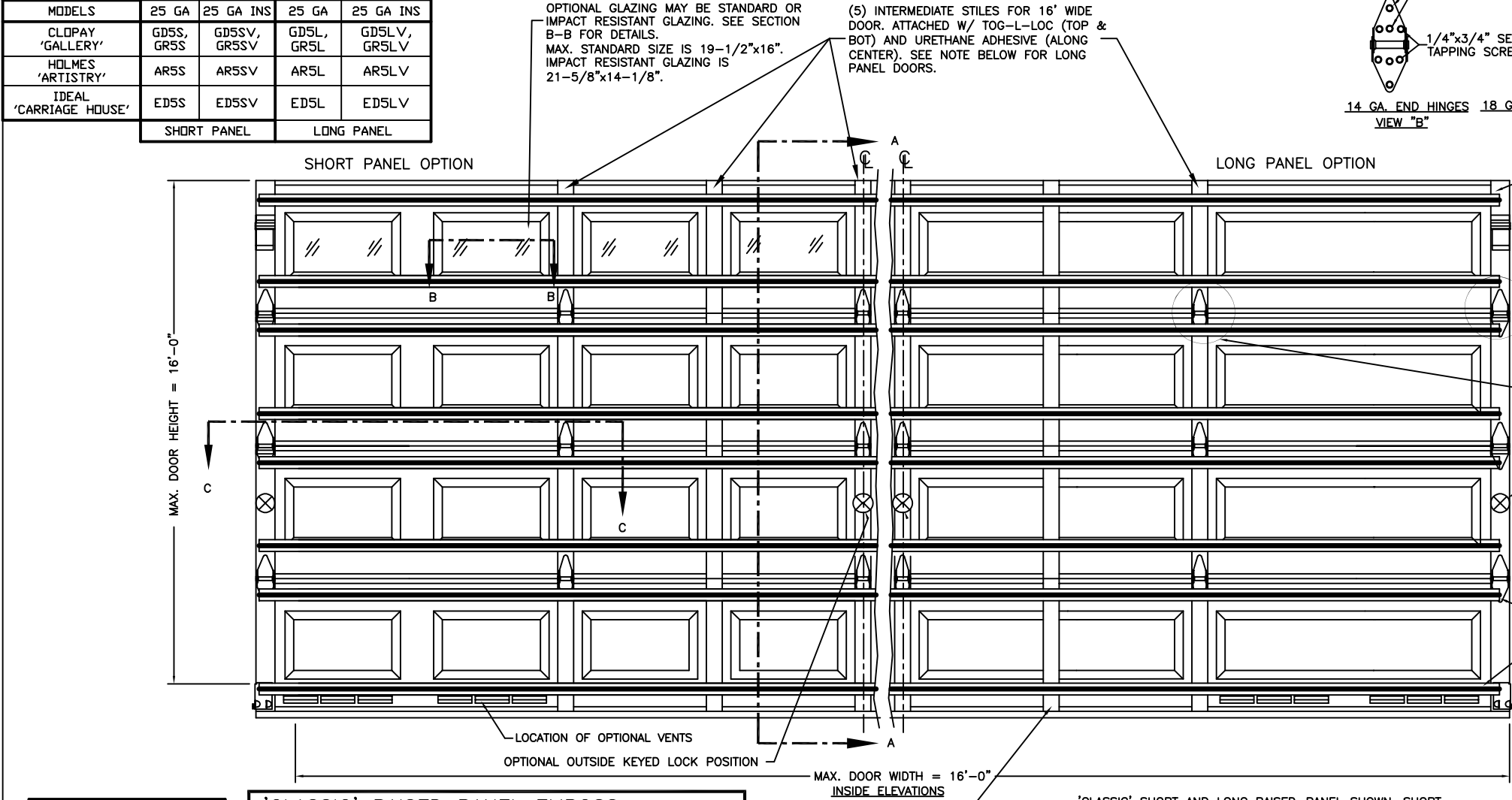
'CARRIAGE HOUSE' RAISED PANEL EMBOSS DOORS				
MODELS	25 GA	25 GA INS	25 GA	25 GA INS
CLOPAY 'GALLERY'	GD5S, GR5S	GD5SV, GR5SV	GD5L, GR5L	GD5LV, GR5LV
HOLMES 'ARTISTRY'	AR5S	AR5SV	AR5L	AR5LV
IDEAL 'CARRIAGE HOUSE'	ED5S	ED5SV	ED5L	ED5LV
SHORT PANEL		LONG PANEL		

'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

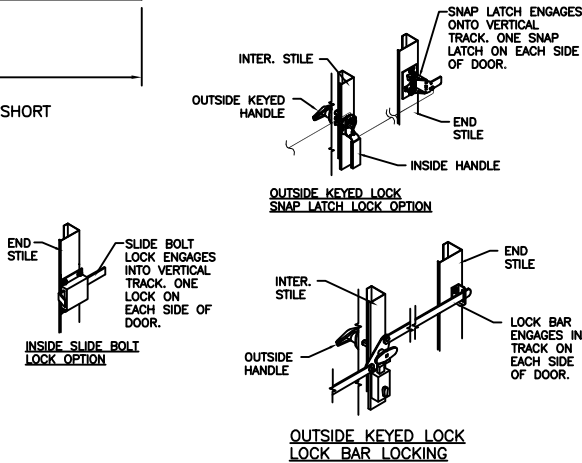
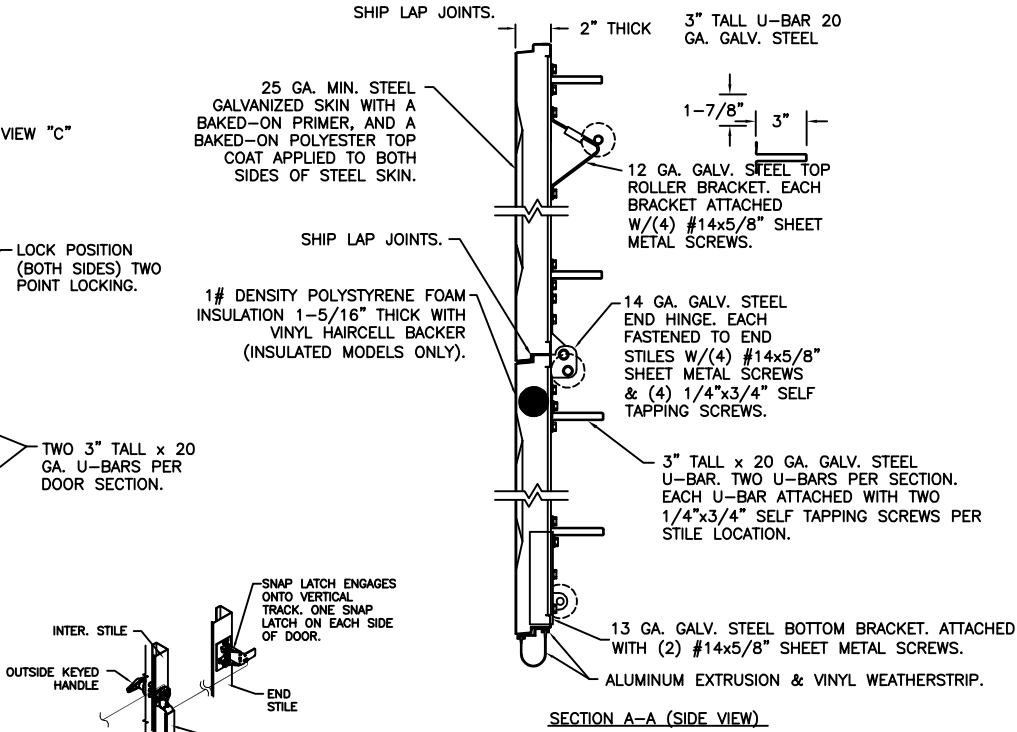
REV	DATE	DESCRIPTION
09	11/30/07	ADDED EXTENDED HEIGHTS AND COMBINED CLOPAY, HOLMES AND IDEAL M/N
10	08/08/08	ADDED M/N 42B, 48B, 55S.
11	10/21/08	ADDED M/N 4F
12	12/2009	ADDED 'CARRIAGE HOUSE' EMBOSS DOORS.
13	08/2010	ADDED DETAIL FOR IMPACT RESISTANT ASSEMBLY (-A) AND STANDARD (-B).
14	01/2012	REVISED WIND SPEED TABLE FOR ASCE7-10; REVISED TO TWO SHEETS.
15	08/2016	REMOVED WIND SPEED TABLE. UPDATED 2" TRACK DETAIL.
16	11/16/20	UPDATED TITLE BLOCK.
17	2/26/24	ADDED M/N 96 AND 96V
18	8/6/2026	ADDED 'CARRIAGE HOUSE' LONG PANEL DOORS, M/N 94V.



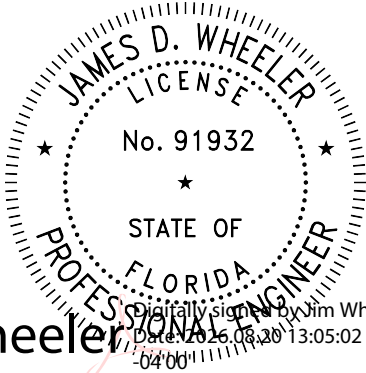
DOOR HEIGHT	# OF SECTIONS
UP TO 7'0"	4
7'3" TO 8'9"	5
9'0" TO 10'6"	6
10'9" TO 12'3"	7
12'6" TO 14'0"	8
14'3" TO 15'9"	9
16'0"	10
MAX SECTION HEIGHT: 21"	

'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.

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



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



Jim Wheeler

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

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MANUFACTURING PRODUCT CODE		WINDLOAD RATING	MAX. DOOR SIZE
PAN-2F151		W5	16'0"W x 16'0"H
DATE		DESCRIPTION	
1/26/96		MODEL 73/75/84A/94; 16'W +30/-30 PSF	
DRAWN BY		B	VER
MWW		DRAWING NUMBER: 101593 - A/B	IBC

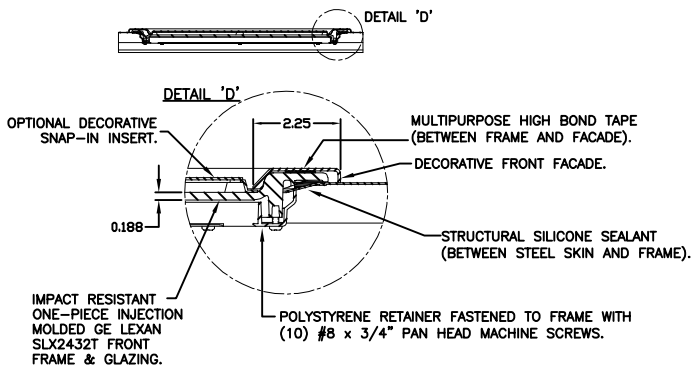
DESIGN LOADS: +30.0 PSF & -30.0 PSF.
TEST LOADS: +45.0 PSF & -45.0 PSF.

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IDEAL	4F*	--	--	--	--	--	--	--
HOLMES	48B	--	42B	55S	--	--	--	--
	SHORT PANEL				LONG PANEL			
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'CARRIAGE HOUSE' RAISED PANEL EMBOSS DOORS				
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SHORT PANEL		LONG PANEL		

IMPACT RESISTANT ASSEMBLY DETAILS
DRAWING 101593-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).

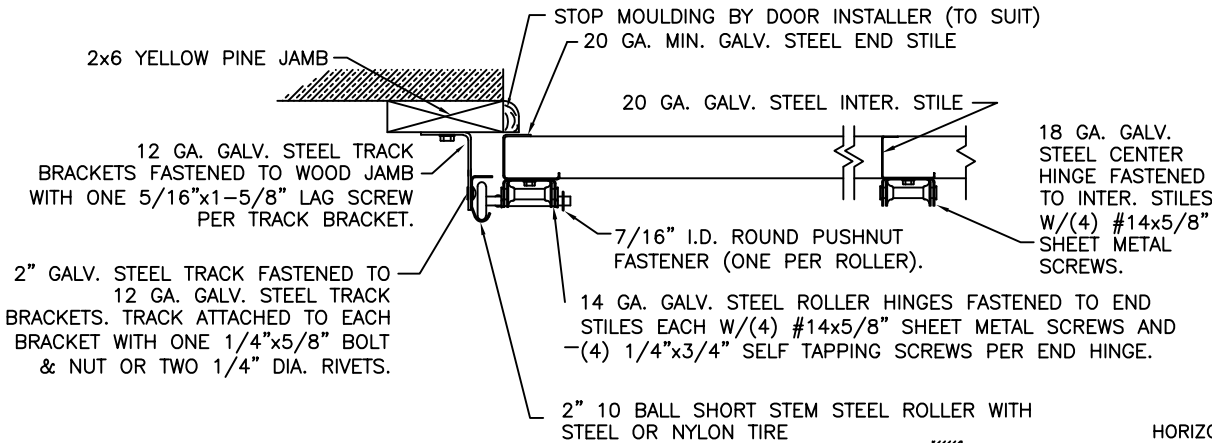
VERTICAL JAMB ATTACHMENT (WOOD FRAME BUILDINGS):
3/8"x3" LAG SCREWS ON 24" CENTERS. 1-1/8" O.D. WASHER REQUIRED. LAG SCREWS MAY BE COUNTERSUNK (BUT NOT REQUIRED) TO PROVIDE A FLUSH MOUNTING SURFACE. HORIZONTAL JAMBS DO NOT TRANSFER LOAD.

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.

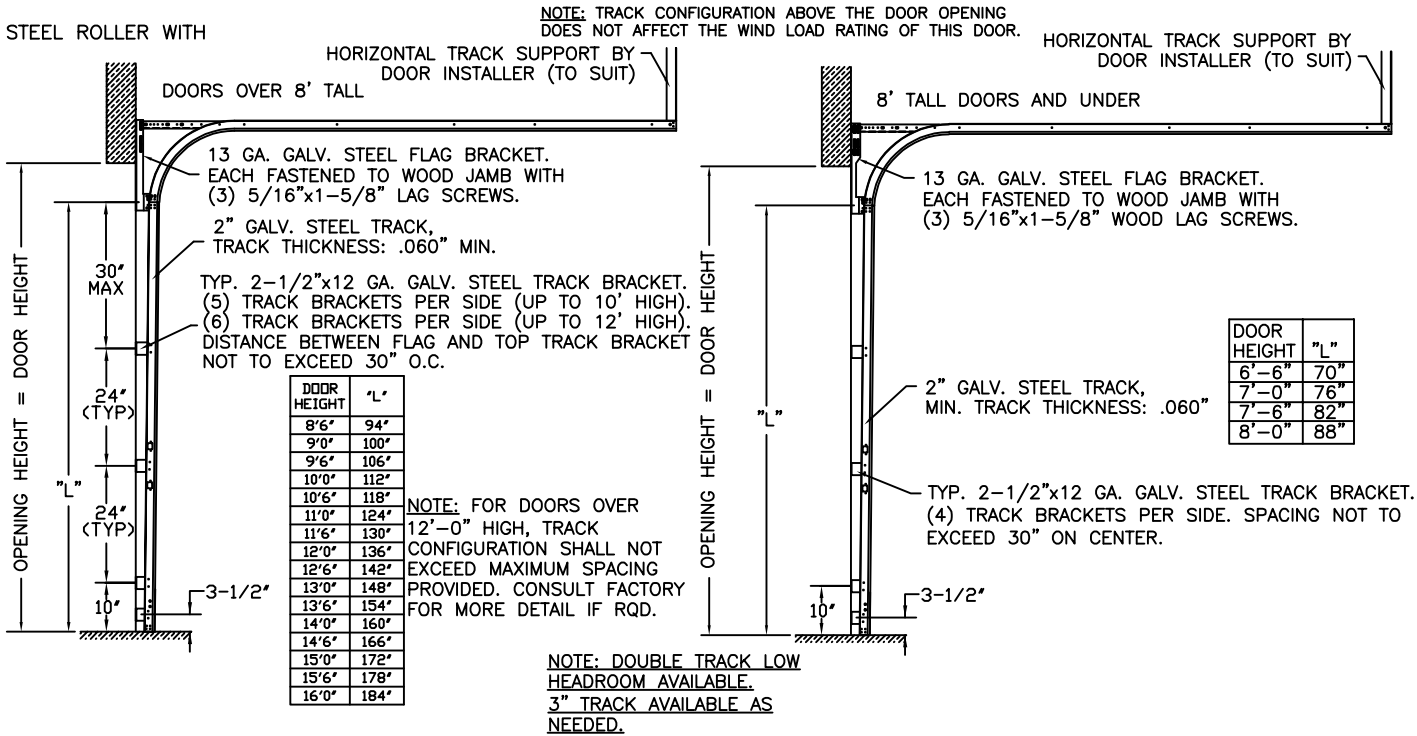
OTHER JAMB CONFIGURATIONS: REFER TO DASMA TDS-161. A LICENSED DESIGN PROFESSIONAL MAY ALSO BE EMPLOYED TO APPROVE ALTERNATE FASTENERS AND/OR JAMB CONFIGURATIONS.

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.



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

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

 CORPORATION 8585 DUKE BLVD. MASON, OH 45040 (513) 770-4800	MANUFACTURING PRODUCT CODE PAN-2F151		WINDLOAD RATING W5		MAX. DOOR SIZE: 16'0"W x 16'0"H		
	DATE: 1/26/96		DESCRIPTION: MODEL 73/75/84A/94; 16'W +30/-30 PSF				
	DRAWN BY: MWW		B		DRAWING NUMBER: 101593 - A/B		VER: IBC
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