

'CLASSIC' RAISED PANEL EMBOSS DOORS						
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			

* - MODEL 4F IS FLUSH

DOOR HEIGHT	# OF SECTIONS	# OF U-BARS
UP TO 7'0"	4	8
7'3" TO 8'9"	5	10
9'0" TO 10'6"	6	12
10'9" TO 12'3"	7	14
12'6" TO 14'0"	8	16
14'3" TO 15'9"	9	18
16'0"	10	20
MAX SECTION HEIGHT: 21"		

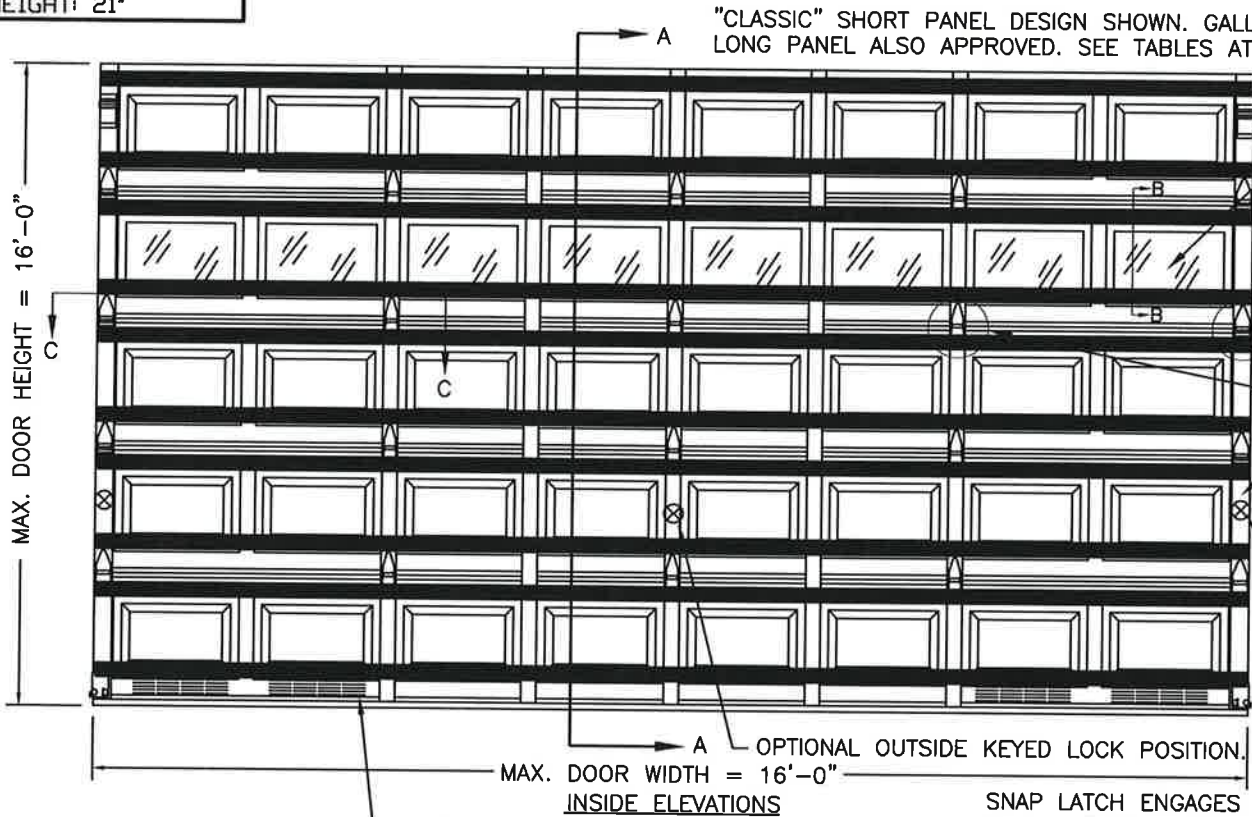
SHEET:
1 OF 4

REVISIONS					
REV. NO.	ZONE:	DATE:	ECN NO.	APPVD:	DESCRIPTION
15	-	9/2016	-	SH	UPDATED U-BAR DESCRIPTION.
16	-	8/6/20	-	SH	UPDATED TITLE BLOCK AND REMOVED WIND CHART

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

'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		

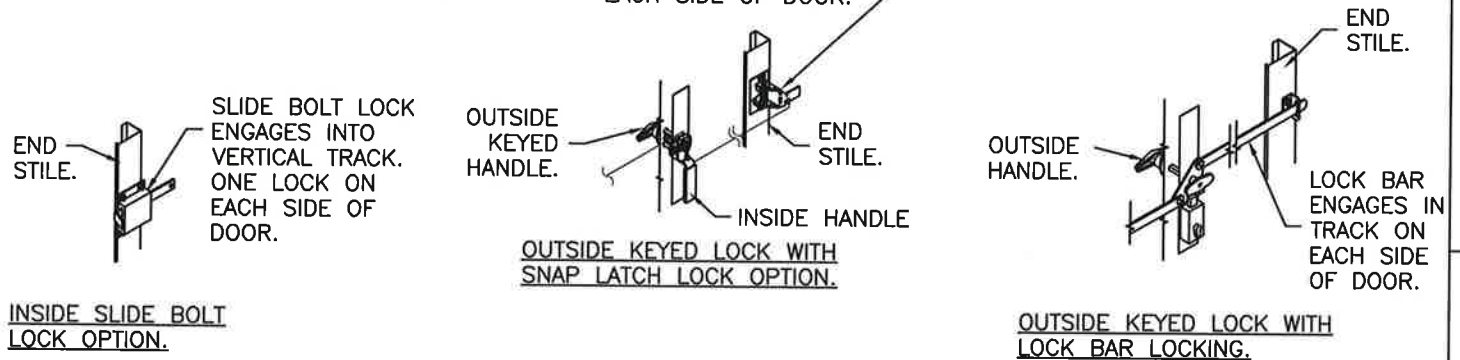
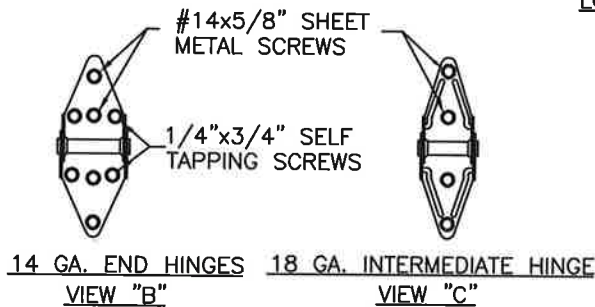
'CARRIAGE HOUSE' RAISED PANEL SHORT EMBOSS DOORS		
DOOR WIDTH	# OF INTERM. STILES	# OF INTERM. HINGES
9'2" TO 10'0"	1	1
10'2" TO 11'4"	N/A	N/A
11'6" TO 13'10"	3	2
14'0" TO 16'0"	5	3




EXTRA STILES FOR LONG-PANEL MODELS.
ADDITIONAL 18 GA. COMMERCIAL INTERM. STILES REQUIRED AS NOTED ON THE TABLES ABOVE.
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.



DESIGN ENGINEER:
SCOTT HAMILTON, P.E.
FLORIDA LICENSE No. 63286



MIN. 25 GA. DOORS. MPC PAN-2F153/6
DESIGN LOADS: +32.0 P.S.F. & -32.0 P.S.F.
TEST LOADS: +48.0 P.S.F. & -48.0 P.S.F.

Unless Stated Otherwise TOLERANCES are .0 = ±.031 .00 = ±.015 .000 = ±.005 .0000 = ±.001 Degrees = ±1/2' Unless Stated Otherwise DIMENSIONS ARE IN INCHES.	 Clopay CORPORATION	8585 Duke Boulevard Mason, OH 45040 USA Tel. No. 513-770-4800 Fax No. 513-770-4853	WINDLOAD RATING W5 DP32	
		DESCRIPTION: CLASSIC AND CH RP STEEL PAN DC +32/-32 PSF		
	DRAWN BY: MWW	DATE: 1/26/96	SCALE: NTS	DWG. B
	CHECKED BY: --	DATE: --	SHEET 1 OF 4	SIZE B
	DWG. NO.: 101922		VER: IBC	

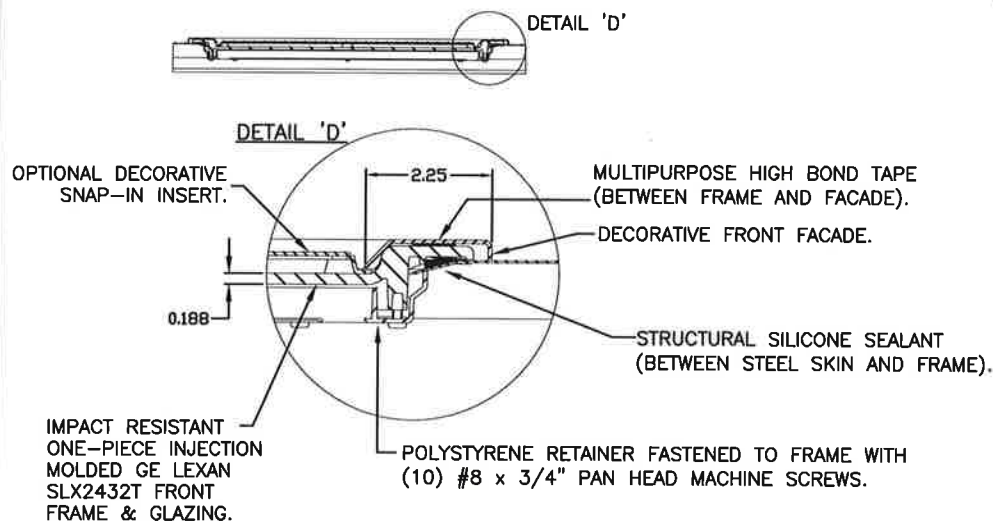
'CLASSIC' RAISED PANEL EMBOSS DOORS							'CARRIAGE HOUSE' RAISED PANEL EMBOSS DOORS		
MODELS	24 GA	24 GA INS	25 GA	25 GA INS	25 GA	25 GA INS	MODELS	25 GA	25 GA INS
CLOPAY	84A, 94	--	73, 75	1500, 190	76	76V	CLOPAY 'GALLERY'	GD5S, GR5S	GD5SV, GR5SV
IDEAL	4RST, 4F*	4RSF	6RST	6RSF	2RST	--	HOLMES 'ARTISTRY'	AR5S	AR5SV
HOLMES	48, 48B	--	42, 42B	55, 55S	--	--	IDEAL 'CARRIAGE HOUSE'	ED5S	ED5SV
SHORT PANEL			LONG PANEL				SHORT PANEL		

* - MODEL 4F IS FLUSH

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).

SECTION B-B (IMPACT-RESISTANT GLAZING OPTION)



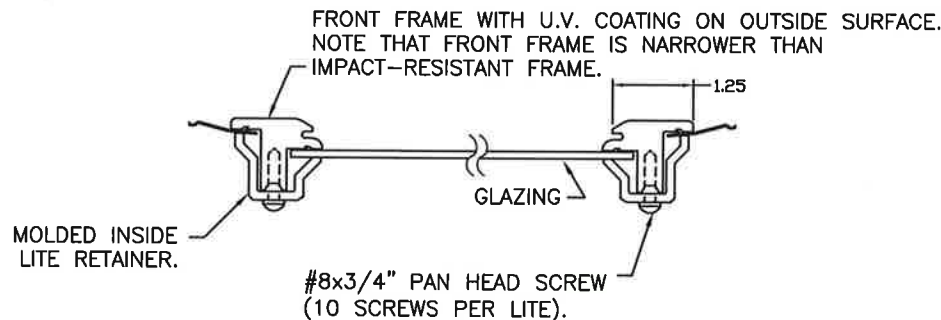
IMPACT-RESISTANT ASSEMBLY DETAILS
DRAWING 101922-A

SHEET 2 OF 4	REVISIONS					
	REV. NO.	ZONE:	DATE:	ECN NO.	APPVD:	DESCRIPTION
	16	-	-	-	-	SEE REVISION HISTORY ON SHEET ONE.

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).

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



STANDARD ASSEMBLY DETAILS
DRAWING 101922-B



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MIN. 25 GA. DOORS MPC PAN-2F153/6
DESIGN LOADS: +32.0 P.S.F. & -32.0 P.S.F.
TEST LOADS: +48.0 P.S.F. & -48.0 P.S.F.

MANUFACTURING PRODUCT CODE
SHORT PANEL: PAN-2F153
LONG PANEL: PAN-2F156
PART NO.: N/A

Unless Stated Otherwise
TOLERANCES are
.0 = ±.031
.00 = ±.015
.000 = ±.005
.0000 = ±.001
Degrees = ±1/2"
Unless Stated Otherwise
DIMENSIONS ARE IN INCHES.

Clopay
CORPORATION

8585 Duke Boulevard
Mason, OH 45040 USA
Tel. No. 513-770-4800
Fax No. 513-770-4853

WINDLOAD RATING
W5 DP32

DESCRIPTION: CLASSIC AND CH RP STEEL PAN DC +32/-32 PSF

DRAWN BY: MWW

DATE: 1/26/96

SCALE: NTS

DWG. B
SIZE B

CHECKED BY: --

DATE: --

SHEET 2 OF 4

DWG. NO.: 101922

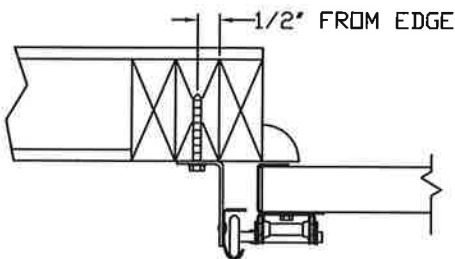
VER: IBC

'CLASSIC' RAISED PANEL EMBOSS DOORS							'CARRIAGE HOUSE' RAISED PANEL EMBOSS DOORS		
MODELS	24 GA	24 GA INS	25 GA	25 GA INS	25 GA	25 GA INS	MODELS	25 GA	25 GA INS
CLOPAY	84A, 94	---	73, 75	1500, 190	76	76V	CLOPAY 'GALLERY'	GD5S, GR5S	GD5SV, GR5SV
IDEAL	4RST, 4F*	4RSF	6RST	6RSF	2RST	---	HOLMES 'ARTISTRY'	AR5S	AR5SV
HOLMES	48, 48B	---	42, 42B	55, 55S	---	---	IDEAL 'CARRIAGE HOUSE'	ED5S	ED5SV
SHORT PANEL				LONG PANEL			SHORT PANEL		

* - MODEL 4F IS FLUSH

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 1/2" 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):

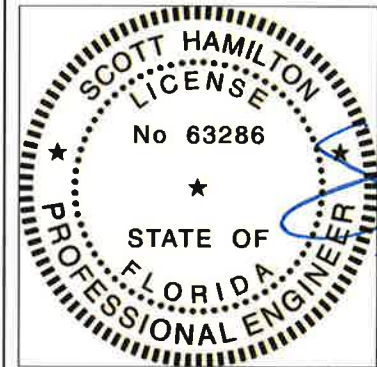
3/8"x3" LAG SCREWS (1-1/2" EMBED) ON 24" CENTERS. 1-1/8" MIN. O.D. WASHER REQUIRED. LAG SCREWS MAY BE COUNTERSUNK (BUT NOT REQUIRED) TO PROVIDE A FLUSH MOUNTING SURFACE. HORIZONTAL JAMBS DO NOT TRANSFER LOAD.

VERTICAL JAMB ATTACHMENT (C-90 BLOCK OR 2,000 PSI MIN. CONCRETE COLUMN):

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

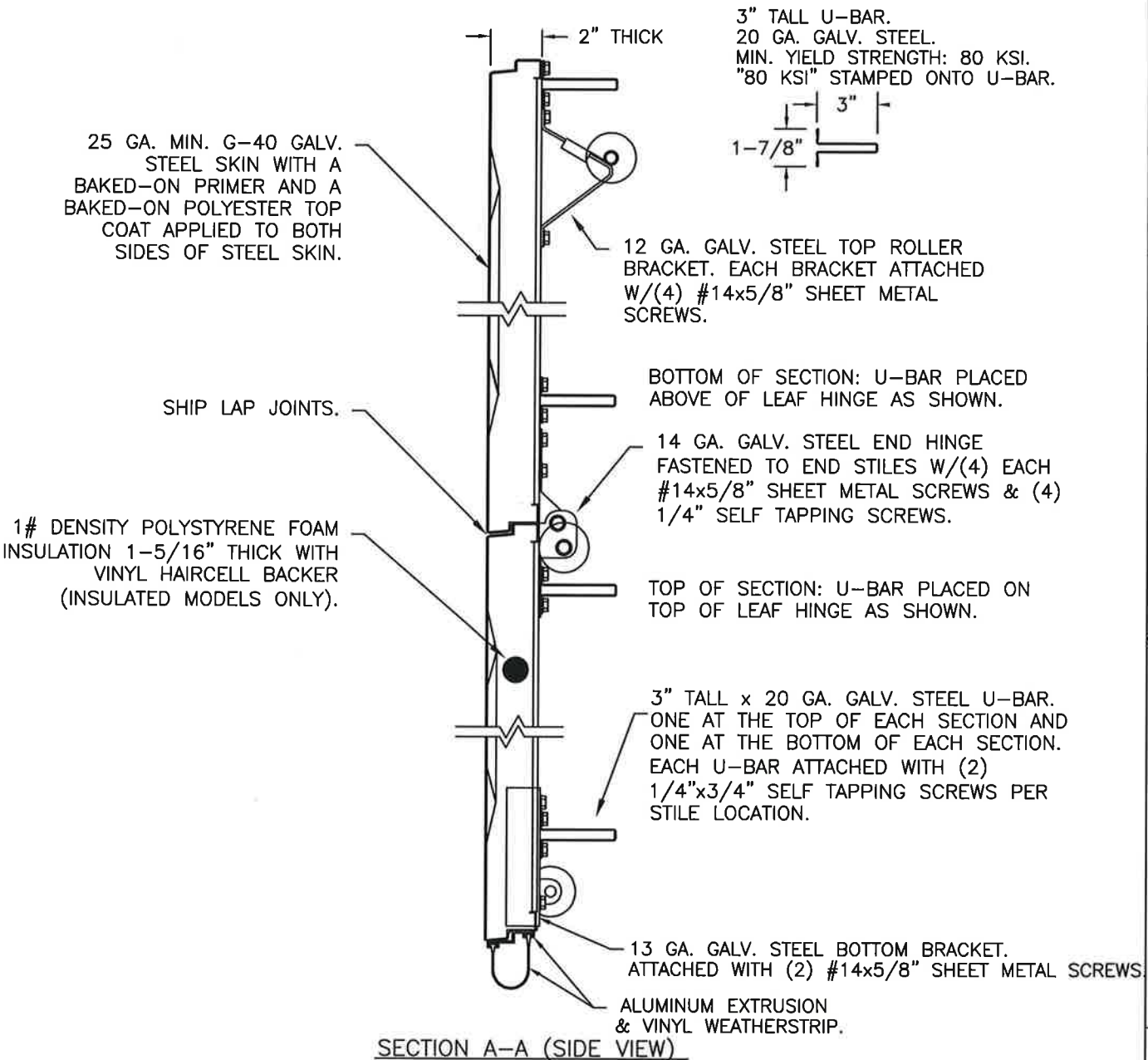
OTHER JAMB CONFIGURATIONS: REFER TO DASMA TDS-161. A LICENSED DESIGN PROFESSIONAL MAY ALSO BE EMPLOYED TO APPROVE ALTERNATE FASTENERS AND/OR JAMB CONFIGURATIONS.

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 ENGINEER:
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SHEET:		REVISIONS						
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		16	-	-	-	-	SEE REVISION HISTORY ON SHEET ONE.	



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DESCRIPTION: CLASSIC AND CH RP STEEL PAN DC +32/-32 PSF	
DRAWN BY: MWW	DATE: 1/26/96
CHECKED BY: --	DATE: --
DWG. NO.: 101922	

MANUFACTURING PRODUCT CODE SHORT PANEL: PAN-2F153 LONG PANEL: PAN-2F156	
PART NO.: N/A	
WINDLOAD RATING W5 DP32	
SCALE: NTS	DWG. B
SHEET 3 OF 4	SIZE
VER: IBC	

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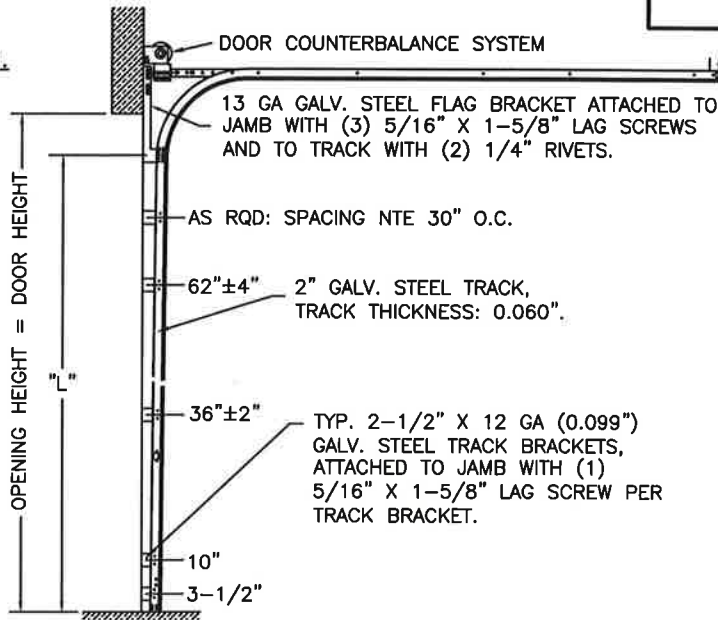
'CARRIAGE HOUSE' RAISED PANEL EMBOSS DOORS		
MODELS	25 GA	25 GA INS
CLOPAY 'GALLERY'	GD5S, GR5S	GD5SV, GR5SV
HOLMES 'ARTISTRY'	AR5S	AR5SV
IDEAL 'CARRIAGE HOUSE'	ED5S	ED5SV
SHORT PANEL		

SHEET:
4 OF 4

REVISIONS					
REV. NO.	ZONE:	DATE:	ECN NO.	APPVD:	DESCRIPTION
16	-	-	-	-	SEE REVISION HISTORY ON SHEET ONE.

2" TRACK CONFIGURATION.

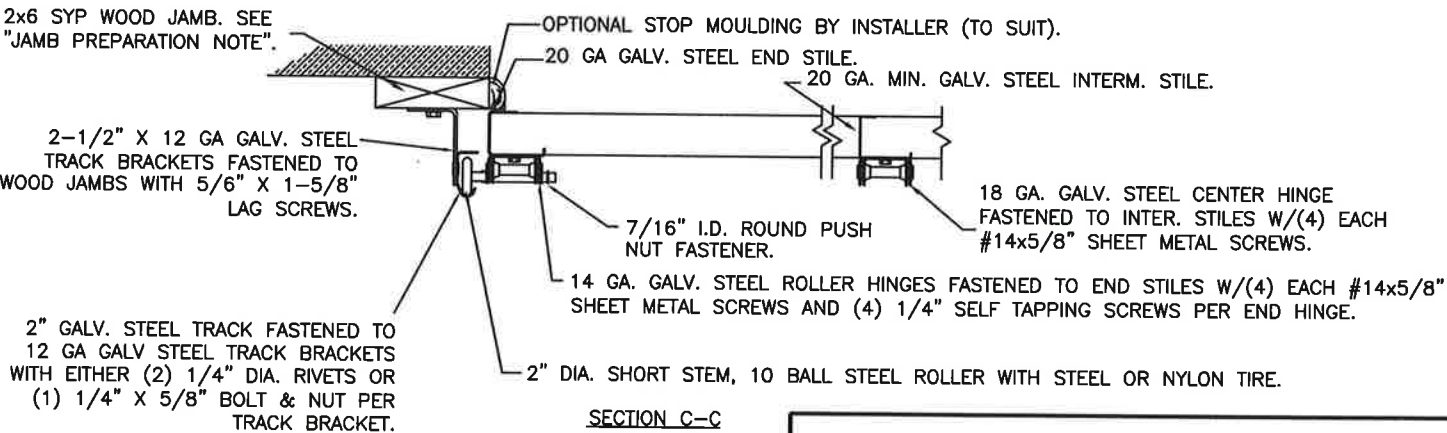
NOTE: TRACK CONFIGURATION ABOVE THE DOOR OPENING DOES NOT AFFECT THE WIND LOAD RATING OF THIS DOOR.



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

HORIZONTAL TRACK SUPPORT BY DOOR INSTALLER (TO SUIT).

JAMB CONFIGURATION.



SECTION C-C

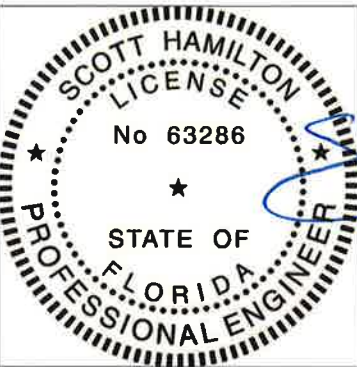
PREPARATION OF JAMBS BY OTHERS.

LHR BRACKET (2-1/2" x 5-3/4" x 12GA) ATTACHED WITH (2) 1/4" x 3/4" SELF TAPPING SCREWS.



DOUBLE TRACK LOW HEADROOM OPTION

DOUBLE HORIZONTAL TRACK.



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DATE: 1/26/96

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DATE: --

SHEET 4 OF 4

DWG. NO.: 101922

VER: IBC

MANUFACTURING PRODUCT CODE
SHORT PANEL: PAN-2F153
LONG PANEL: PAN-2F156
PART NO.: N/A

WINDLOAD RATING
W5 DP32

DWG. SIZE **B**