

'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

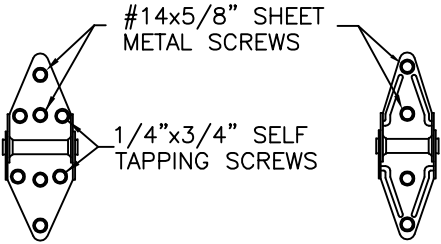
'CARRIAGE HOUSE' RAISED PANEL EMBOSS DOORS		
MODELS	25 GA	25 GA INS
CLOPAY 'GALLERY'	GD5S, GR5S	GD5SV, GR5SV
HOLMES 'ARTISTRY'	AR5S	AR5SV
IDEAL 'CARRIAGE HOUSE'	ED5S	ED5SV
SHORT PANEL		

'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

'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				

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'		

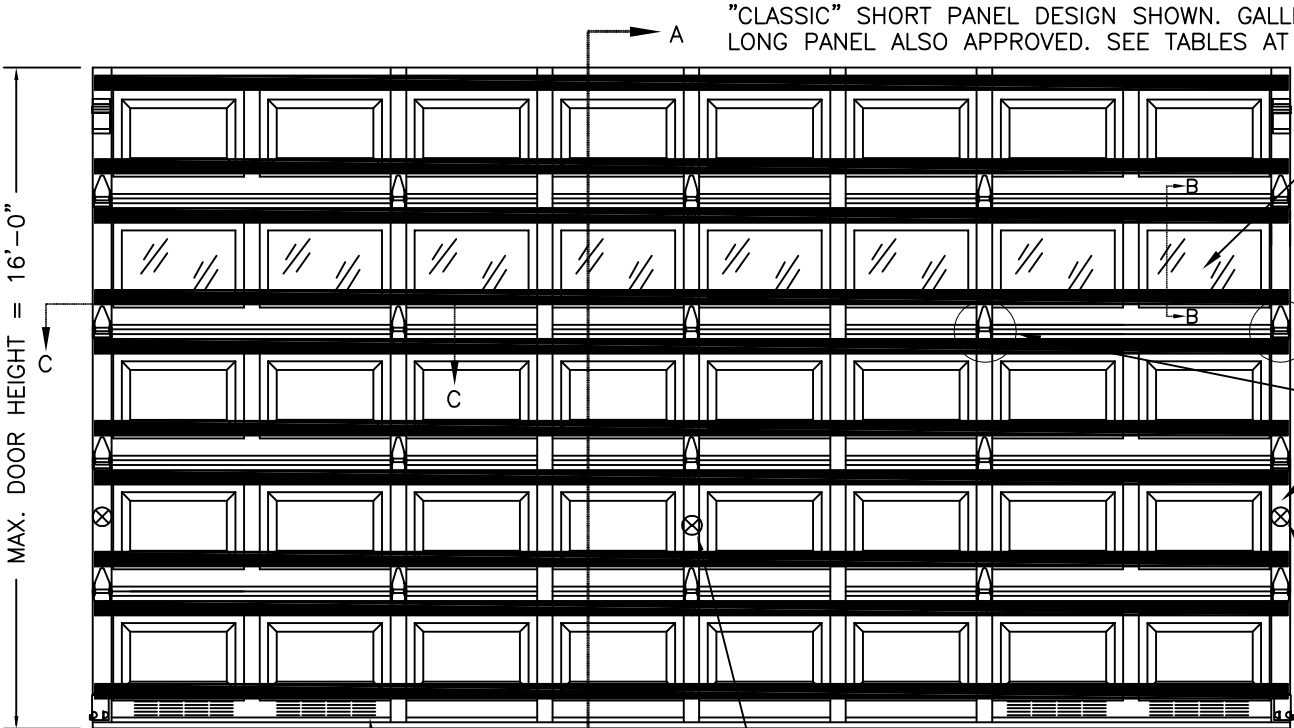
EXTRA STILES FOR LONG-PANEL MODELS.
ADDITIONAL 18 GA. COMMERCIAL INTERM. STILES REQUIRED AS NOTED ON THE TABLES ABOVE.
THESE COMMERCIAL CENTER STILES ARE ATTACHED MIDPOINT BETWEEN THE EXISTING RESIDENTIAL CENTER STILES. COMMERCIAL CENTER STILES ARE ATTACHED WITH TOG-L-LOC (TOP & BOTTOM) OR (4) 3/16" POP RIVETS OR (4) #8 SHEET METAL SCREWS.



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

SHEET:
1 OF 4

REVISIONS					
REV. NO.	ZONE:	DATE:	ECN NO.	APPVD:	DESCRIPTION
15	-	9/2016	-	SH	UPDATED U-BAR DESCRIPTION.
16	-	11/16/20	-	SH	UPDATED TITLE BLOCK AND REMOVED WIND CHART.
17	-	2/23/24	-	JDW	ADDED M/N 96 AND 96V.



"CLASSIC" SHORT PANEL DESIGN SHOWN. GALLERY SHORT PANEL AND "CLASSIC" LONG PANEL ALSO APPROVED. SEE TABLES AT LEFT FOR DETAILS.

OPTIONAL GLAZING MAY BE IMPACT-RESISTANT OR STANDARD (DSB OR BETTER). SEE SECTION B-B ON SHEET TWO FOR DETAILS. GLAZING MAY BE IN TOP OR INTERMEDIATE SECTION (SHOWN IN INTERMEDIATE SECTION). SHORT GLAZING ONLY.

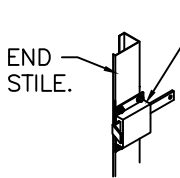
VIEW "B".

VIEW "C".

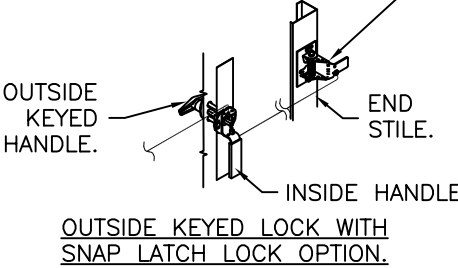
20 GA. END STILES ATTACHED TO DOOR SKIN WITH PATENTED TOG-L-LOC SYSTEM (TOP, BOTTOM & CENTER). ATTACHED TO TOP AND BOTTOM RAIL WITH PATENTED TOG-L-LOC SYSTEM.

TWO POINT LOCKING INTO TRACK.

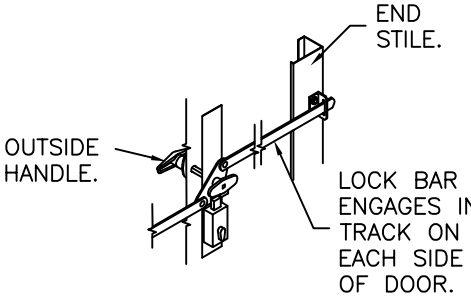
OPTIONAL OUTSIDE KEYED LOCK POSITION.
MAX. DOOR WIDTH = 16'-0"
INSIDE ELEVATIONS
LOCATION OF OPTIONAL VENTS. TOTAL VENT OPENINGS: 60 IN² PER VEHICLE.
SNAP LATCH ENGAGES ONTO VERTICAL TRACK. ONE SNAP LATCH ON EACH SIDE OF DOOR.



INSIDE SLIDE BOLT LOCK OPTION.



OUTSIDE KEYED LOCK WITH SNAP LATCH LOCK OPTION.



OUTSIDE KEYED LOCK WITH LOCK BAR LOCKING.

James D. Wheeler License No. 91932
Digitally signed by Jim Wheeler
Date: 2024.02.27 17:04:57 -05'00'

DESIGN ENGINEER:
JAMES D. WHEELER, P.E.
FLORIDA LICENSE No. 91932

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

DESCRIPTION: CLASSIC AND CH RP STEEL PAN DC +32/-32 PSF			
DRAWN BY: MWW	DATE: 1/26/96	SCALE: NTS	DWG. SIZE B
CHECKED BY: --	DATE: --	SHEET 1 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

'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			

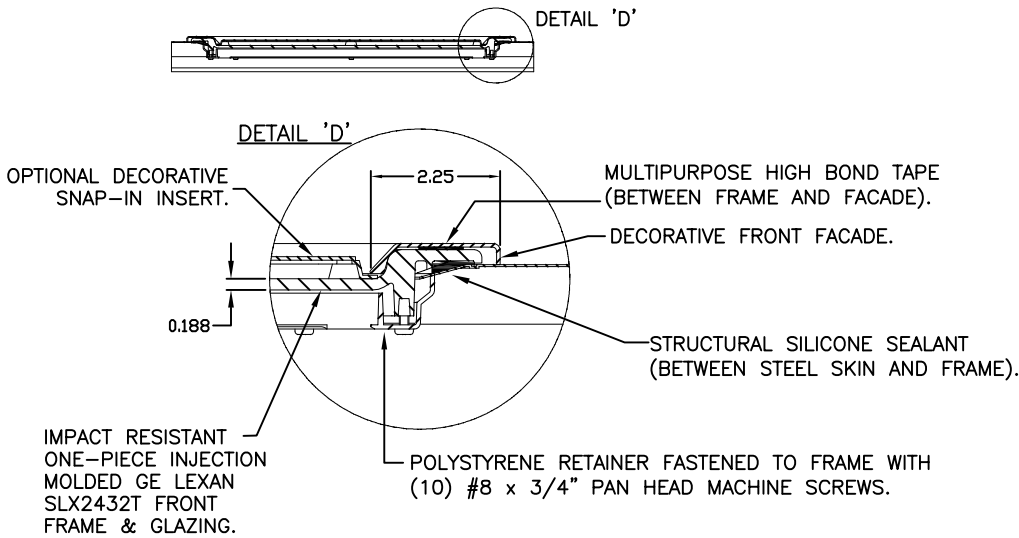
* - MODEL 4F IS FLUSH

'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		

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 ENITRE 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

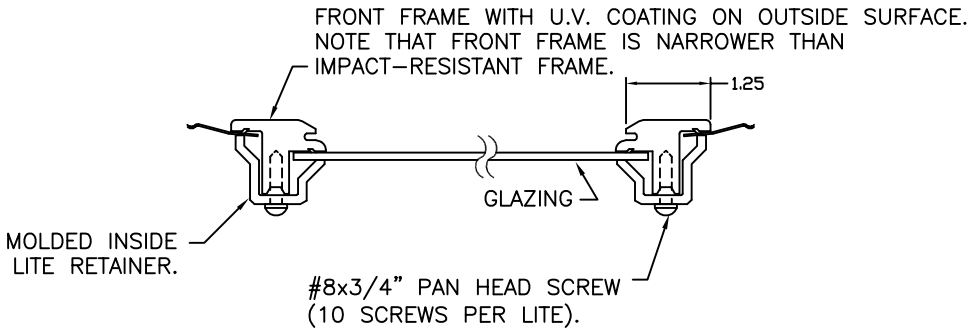
DESIGN ENGINEER:
JAMES D. WHEELER, P.E.
FLORIDA LICENSE No. 91932

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

STANDARD ASSEMBLY CONSTRUCTION:

OPTIONAL DSB OR 1/8" ACYRLIC 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

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

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

DRAWN BY: MWW

DATE: 1/26/96

SCALE: NTS

DWG. SIZE B

CHECKED BY: --

DATE: --

SHEET 2 OF 4

DWG. NO.: 101922

VER: IBC

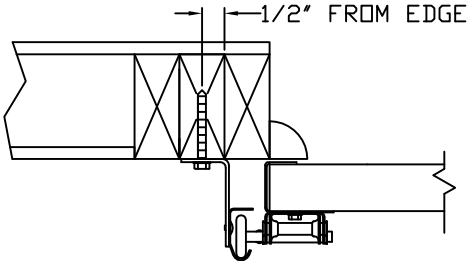
'CLASSIC' RAISED PANEL EMBOSS DOORS								
MODELS	24 GA	24 GA INS	25 GA	25 GA INS	24 GA	24 GA INS	25 GA	25 GA INS
CLOPAY	84A, 94	--	73, 75	1500, 190	96	96V	75L, 76	76V
IDEAL	4RST, 4F*	4RSF	6RST	6RSF	--	--	2RST	--
HOLMES	48, 48B	--	42, 42B	55, 55S	--	--	--	--
SHORT PANEL					LONG PANEL			

* - 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		

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.

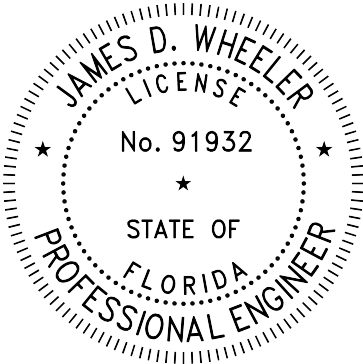
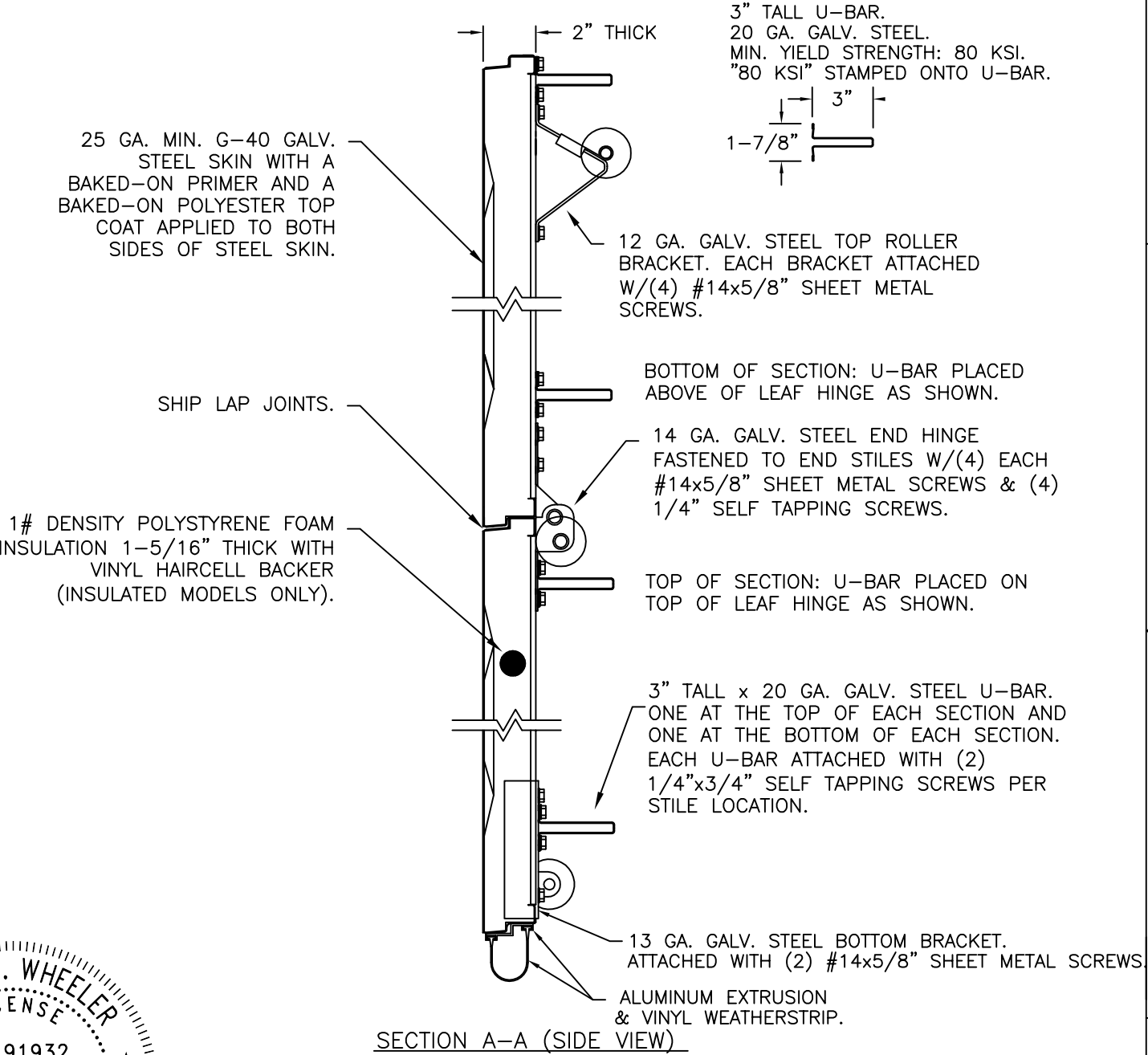
VERTICAL JAMB ATTACHMENT (C-90 BLOCK OR 2,000 PSI MIN. CONCRETE COLUMN):
3/8"x3" SLEEVE ANCHOR BOLTS (1-1/2" EMBED) ON 17" CENTERS (2,000 PSI MIN. CONCRETE). WASHERS INCLUDED WITH SLEEVE ANCHORS.
OR
1/4"x3" TAPCON SCREWS (1-1/2" EMBED) ON 14" CENTERS (2,000 PSI MIN. CONCRETE) OR 8" CENTERS (C-90 BLOCK). 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:
JAMES D. WHEELER, P.E.
FLORIDA LICENSE No. 91932

SHEET: 3 OF 4	REVISIONS					
	REV. NO.	ZONE:	DATE:	ECN NO.	APPVD:	DESCRIPTION
	17	-	-	-	-	SEE REVISION HISTORY ON SHEET ONE.



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.

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.00 = ±.015
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Degrees = ±1/2°
Unless Stated Otherwise DIMENSIONS ARE IN INCHES.

 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. SIZE B
CHECKED BY: --	DATE: --	SHEET 3 OF 4	
DWG. NO.: 101922		VER: IBC	

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

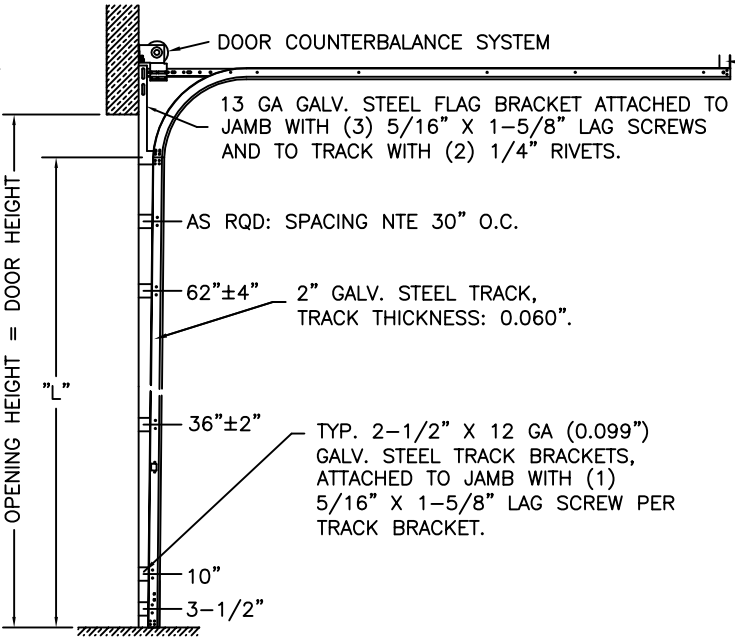
WINDLOAD RATING W5 DP32	
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'CLASSIC' RAISED PANEL EMBOSS DOORS								
MODELS	24 GA	24 GA INS	25 GA	25 GA INS	24 GA	24 GA INS	25 GA	25 GA INS
CLOPAY	84A, 94	--	73, 75	1500, 190	96	96V	75L, 76	76V
IDEAL	4RST, 4F*	4RSF	6RST	6RSF	--	--	2RST	--
HOLMES	48, 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 'GALLERY'	AR5S	AR5SV
NOTE: TRACK CONFIGURATION ABOVE THE DOOR OPENING DOES NOT AFFECT THE WINDLOAD RATING OF THIS DOOR.		
SHORT PANEL		

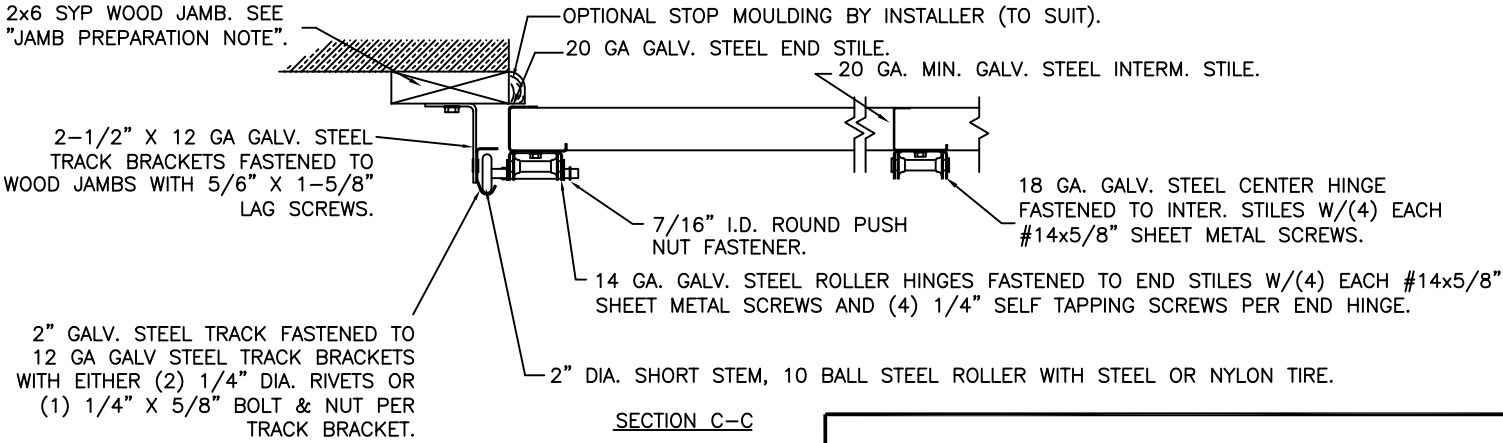
2" TRACK CONFIGURATION.



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"

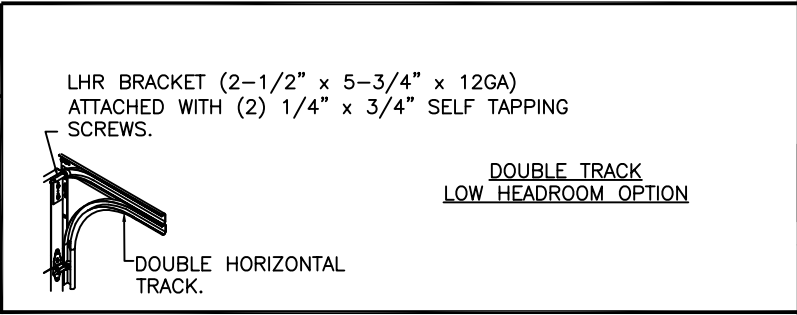
HORIZONTAL TRACK SUPPORT BY DOOR INSTALLER (TO SUIT).

JAMB CONFIGURATION.

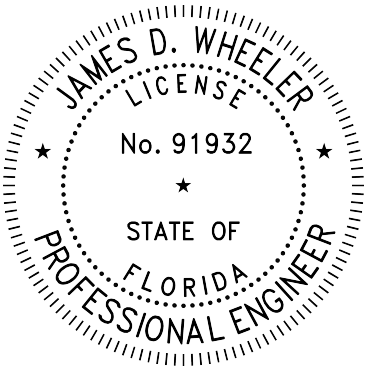


SECTION C-C

PREPARATION OF JAMBS BY OTHERS.



3" TRACK IS ALSO AVAILABLE.



DESIGN ENGINEER:
JAMES D. WHEELER, P.E.
FLORIDA LICENSE No. 91932

MIN. 25 GA. DOORS, MPC PAN-2F153/6
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DESCRIPTION: CLASSIC AND CH RP STEEL PAN DC +32/-32 PSF			
DRAWN BY: MWW	DATE: 1/26/96	SCALE: NTS	DWG. SIZE B
CHECKED BY: --	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