

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

* - MODEL 4F IS FLUSH

'CLASSIC' RAISED PANEL EMBOSS DOORS		
DOOR WIDTH	# OF INTERM. STILES	# OF INTERM. HINGES
9'2" TO 9'10"	1	1
10'0" TO 11'10"	2	2
12'0" TO 13'10"	3	2
14'0" TO 15'10"	4	4
16'0"	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 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

EQUIVALENT SECTION CONSTRUCTION: FOR ANY OF THE MODELS LISTED ON THIS DRAWING, THE FOLLOWING W-LEVEL DOORS USE EQUIVALENT SECTIONS (UP TO THE MAXIMUM WIDTH ALLOWED ON THIS DRAWING). **W2, W3, W4, W5.** ANY OF THESE W-LEVELS MAY BE SHOWN ON THE OPTIONAL SHIPPING LABEL ON THE END STILE.

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'		

THIS DOOR MEETS OR EXCEEDS THE DESIGN LOADS FOR THE DESIGN WIND SPEEDS LISTED BELOW ACCORDING TO THE FLORIDA BUILDING CODE OR THE INTERNATIONAL BUILDING CODE (BASED ON ASCE7-05) FOR THE FOLLOWING CONDITIONS: 1) ENCLOSED BUILDING, 2) DOOR HAS 2' OF WIDTH IN BUILDING'S END ZONE, 3) ANY ROOF SLOPE, AND 4) TESTING IN ACCORDANCE WITH ANSI/DASMA 108. SITE-SPECIFIC CALCULATIONS BY A QUALIFIED DESIGN PROFESSIONAL MAY DIFFER.

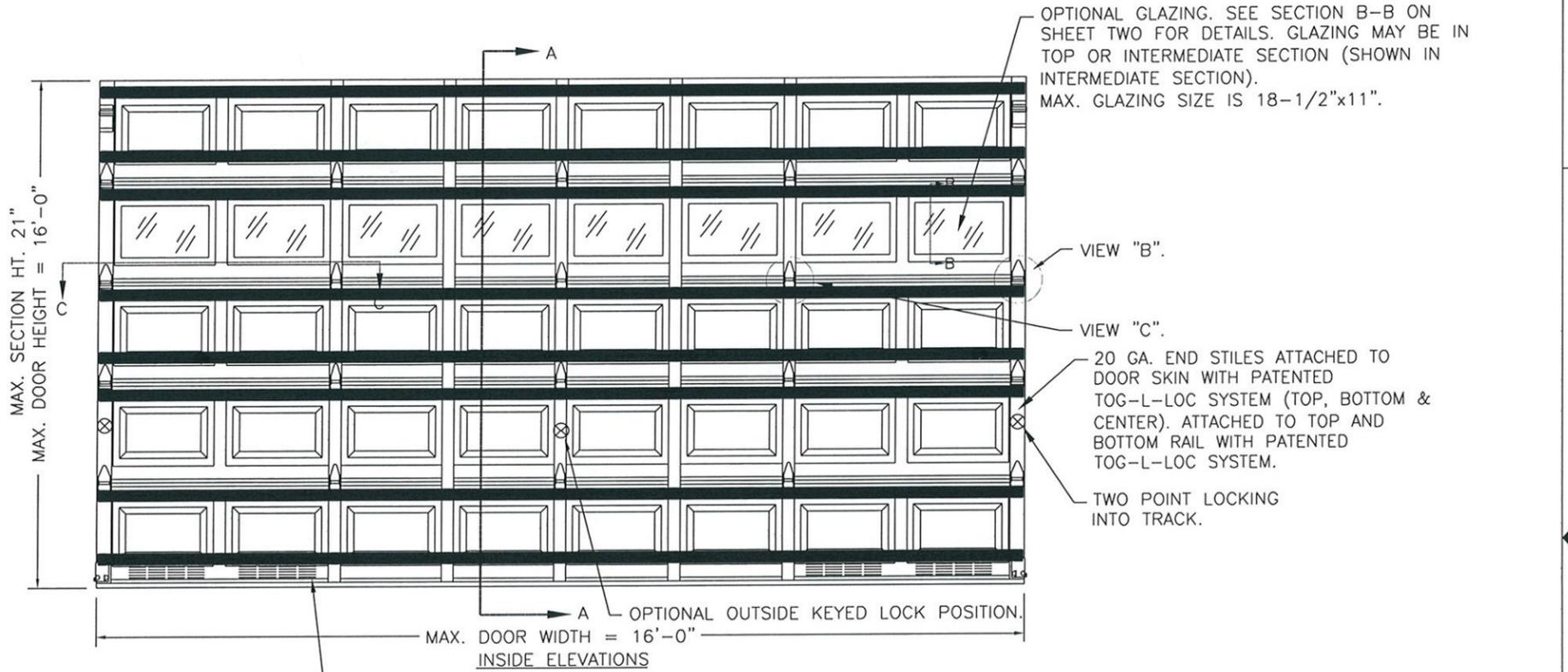
DESIGN WIND SPEED (MPH)	100	110	120
EXPOSURE CATEGORY	B, C	B, C	B
MEAN ROOF HEIGHT	25'	15'	30'



DESIGN ENGINEER
MARK WESTERFIELD, P.E.
FLORIDA P.E. #48495; NC P.E. #23832, TEXAS P.E. #91513

SHEET:
1 OF 4

REVISIONS					
REV. NO.	ZONE	DATE	ECN NO.	APPVD:	DESCRIPTION
13	-	8/7/14	-	SH	ADDED CH MODELS; REVISED LAYOUT.



OPTIONAL GLAZING. SEE SECTION B-B ON SHEET TWO FOR DETAILS. GLAZING MAY BE IN TOP OR INTERMEDIATE SECTION (SHOWN IN INTERMEDIATE SECTION). MAX. GLAZING SIZE IS 18-1/2"x11".

VIEW "B".

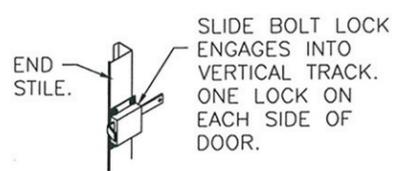
VIEW "C".

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.

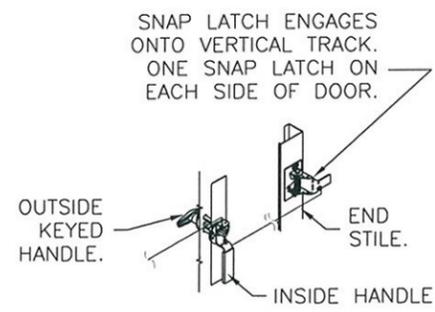
TWO POINT LOCKING INTO TRACK.

OPTIONAL OUTSIDE KEYED LOCK POSITION.
MAX. DOOR WIDTH = 16'-0"
INSIDE ELEVATIONS

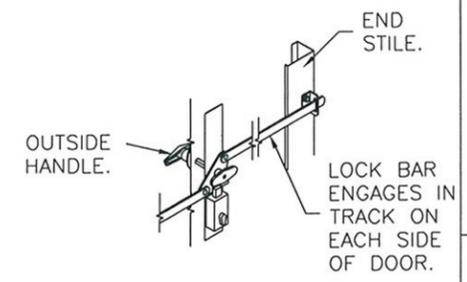
LOCATION OF OPTIONAL VENTS. TOTAL VENT OPENINGS: 60 IN² PER VEHICLE.



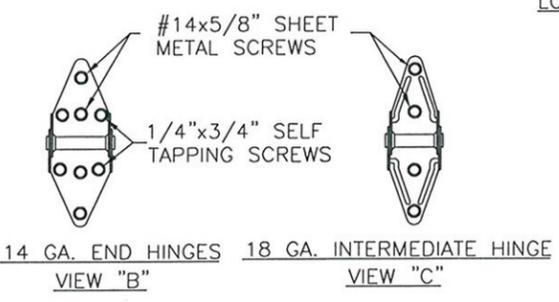
INSIDE SLIDE BOLT LOCK OPTION.



OUTSIDE KEYED LOCK WITH SNAP LATCH LOCK OPTION.



OUTSIDE KEYED LOCK WITH LOCK BAR LOCKING.



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

DESIGN LOADS: +24.0 P.S.F. & -24.5 P.S.F.
TEST LOADS: +36.0 P.S.F. & -37.0 P.S.F.

Unless Stated Otherwise
TOLERANCES are
.0 = ±.031
.00 = ±.015
.000 = ±.005
.0000 = ±.001
Degrees = ±1/2'

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

MANUFACTURING PRODUCT CODE PAN-2F153			
PART NO.: N/A			
WINDLOAD RATING W4 DP24			
DESCRIPTION: CLASSIC AND CH RP STEEL PAN DC +24/-24.5 PSF	DATE: 1/3/97	SCALE: NTS	DWG. B
DRAWN BY: JAC	DATE: --	SHEET 1 OF 4	SIZE B
CHECKED BY: --	DATE: --	VER: TDI	
DWG. NO.: 101711			

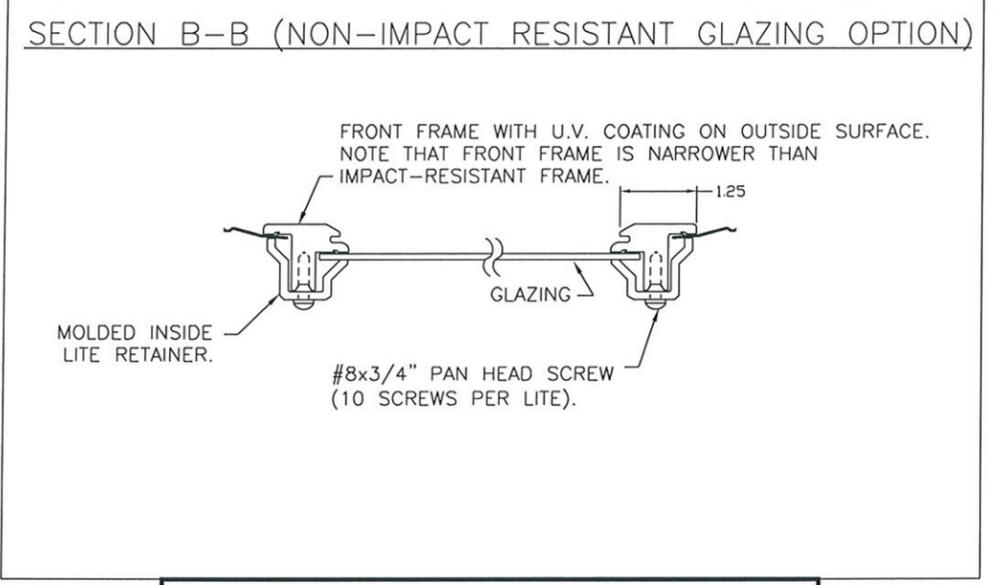
'CLASSIC' RAISED PANEL EMBOSS DOORS					'CARRIAGE HOUSE' RAISED PANEL EMBOSS DOORS		
MODELS	24 GA	24 GA INS	25 GA	25 GA INS	MODELS	25 GA	25 GA INS
CLOPAY	84A, 94	--	73, 75	1500, 190	CLOPAY 'GALLERY'	GD5S, GR5S	GD5SV, GR5SV
IDEAL	4RST, 4F*	4RSF	6RST	6RSF	HOLMES 'ARTISTRY'	AR5S	AR5SV
HOLMES	48, 48B	--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

* - MODEL 4F IS FLUSH

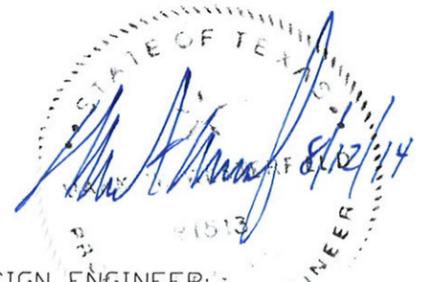
SHEET:
2 OF 4

REVISIONS					
REV. NO.	ZONE	DATE	ECN NO.	APPVD:	DESCRIPTION
13	-	-	-	SH	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).



**STANDARD ASSEMBLY DETAILS
DRAWING 101711**



DESIGN ENGINEER:
 MARK WESTERFIELD, P.E.
 FLORIDA P.E. #48495, NC P.E. #23832, TEXAS P.E. #91513

DESIGN LOADS: +24.0 P.S.F. & -24.5 P.S.F.
 TEST LOADS: +36.0 P.S.F. & -37.0 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
 Building Products Company
 8585 Duke Boulevard
 Mason, OH 45040 USA
 Tel. No. 513-770-4800
 Fax No. 513-770-4853

MANUFACTURING PRODUCT CODE
 PAN-2F153

PART NO.: N/A

WINDLOAD RATING
 W4 DP24

DESCRIPTION: CLASSIC AND CH RP STEEL PAN DC +24/-24.5 PSF

DRAWN BY: JAC DATE: 1/3/97 SCALE: NTS DWG. B

CHECKED BY: -- DATE: -- SHEET 2 OF 4 SIZE B

DWG. NO.: 101711 VER: TDI

'CLASSIC' RAISED PANEL EMBOSS DOORS				
MODELS	24 GA	24 GA INS	25 GA	25 GA INS
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IDEAL	4RST, 4F*	4RSF	6RST	6RSF
HOLMES	48, 48B	--	42, 42B	55, 55S

SHORT 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

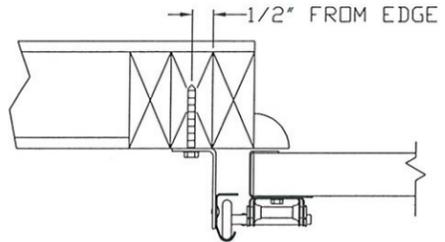
SHORT PANEL

SHEET: 3 OF 4

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

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 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.

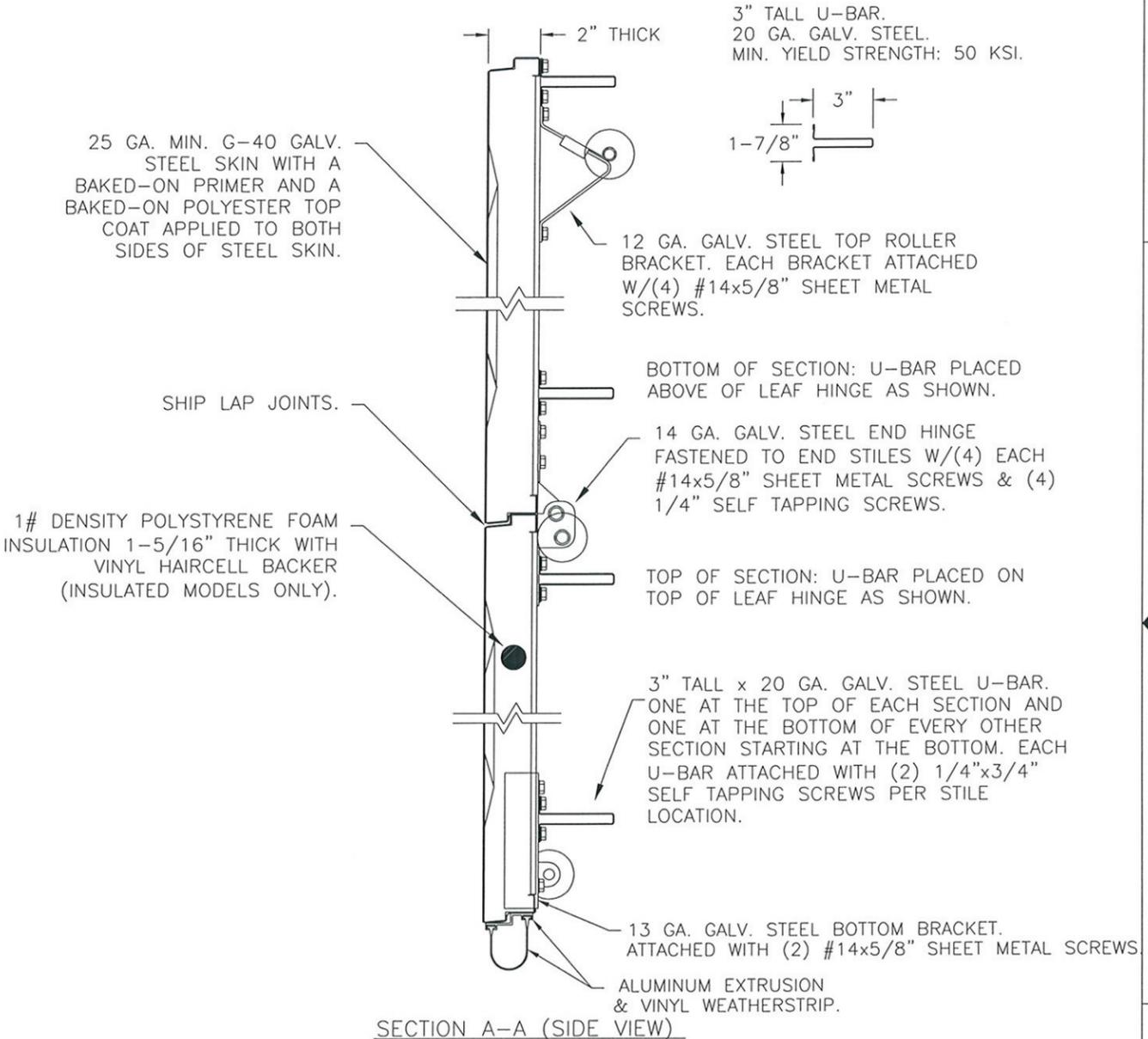
VERTICAL JAMB ATTACHMENT (C-90 BLOCK OR 2,000 PSI MIN. CONCRETE COLUMN):
3/8"x3" SLEEVE ANCHOR BOLTS ON 20" CENTERS (2,000 PSI MIN. CONCRETE). WASHERS INCLUDED WITH SLEEVE ANCHORS.

OR
1/4"x3" TAPCON SCREWS ON 17" CENTERS (2,000 PSI MIN. CONCRETE) OR 9" CENTERS (C-90 BLOCK). 1" 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.

SEE ADDITIONAL DETAILS IN "CONNECTING JAMB TO EXISTING STRUCTURES" JAMB FASTENER ANALYSIS CBPC-JFA-0001 (AVAILABLE ON TDI WEBSITE OR FROM MANUFACTURER).

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.



SECTION A-A (SIDE VIEW)



DESIGN ENGINEER
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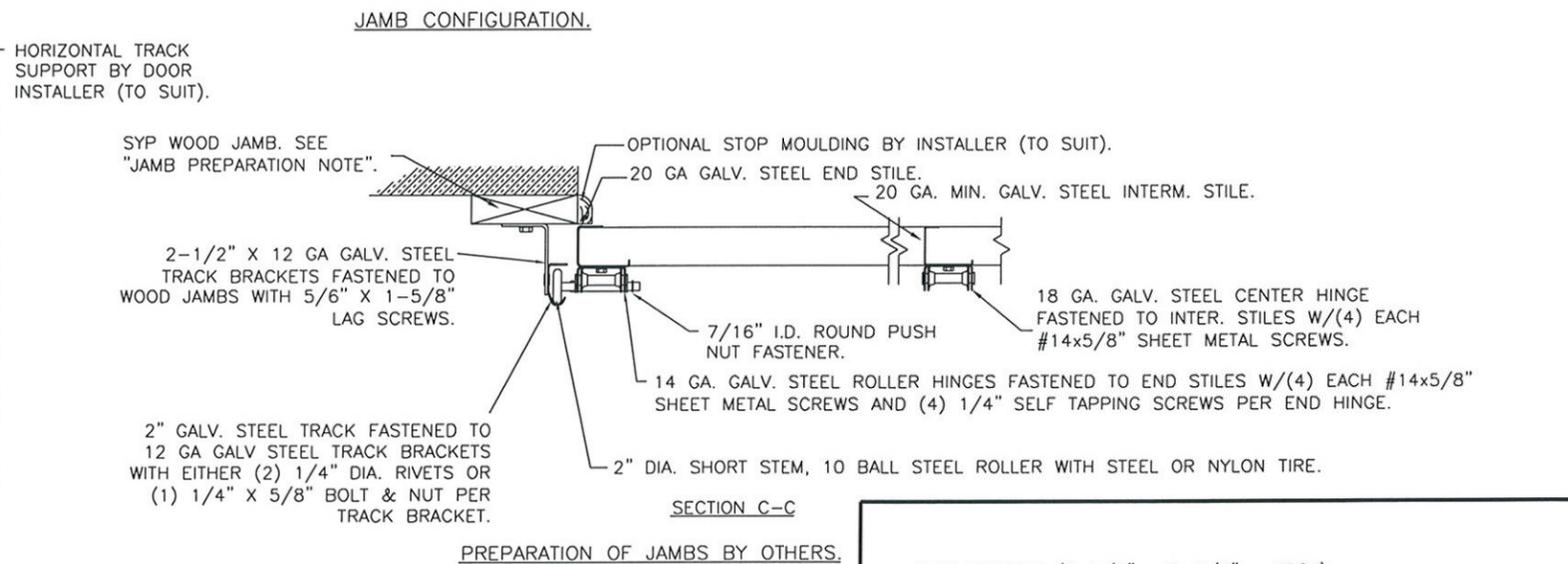
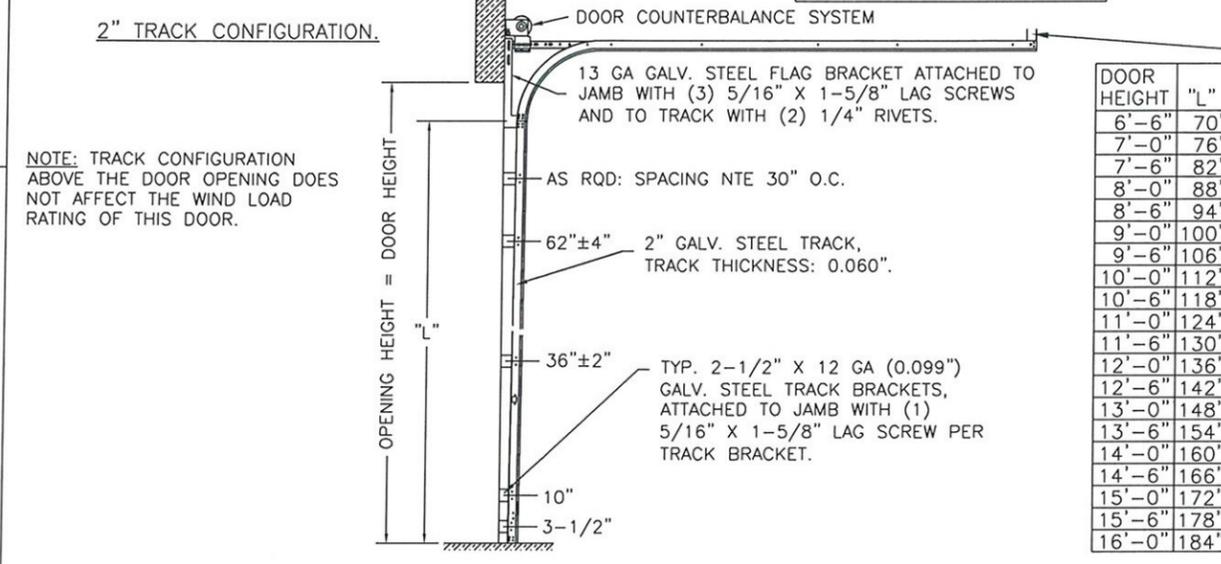
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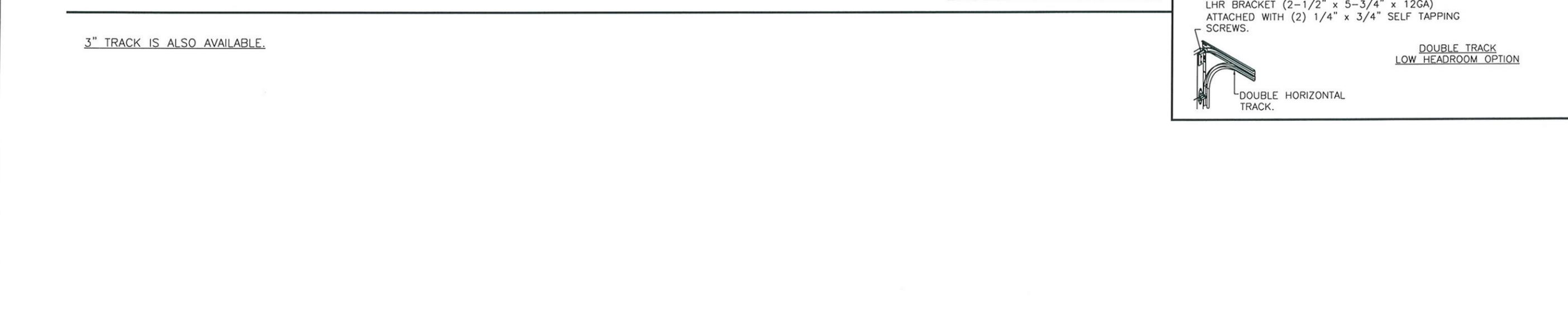
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DESCRIPTION: CLASSIC AND CH RP STEEL PAN DC +24/-24.5 PSF	MANUFACTURING PRODUCT CODE PAN-2F153
DRAWN BY: JAC	PART NO.: N/A
CHECKED BY: --	WINDLOAD RATING W4 DP24
DWG. NO.: 101711	VER: TDI

'CLASSIC' RAISED PANEL EMBOSS DOORS					'CARRIAGE HOUSE' RAISED PANEL EMBOSS DOORS		
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CLOPAY	84A, 94	--	73, 75	1500, 190	CLOPAY 'GALLERY'	GD5S, GR5S	GD5SV, GR5SV
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HOLMES	48, 48B	--	42, 42B	55, 55S	IDEAL 'CARRIAGE HOUSE'	ED5S	ED5SV
SHORT PANEL					SHORT PANEL		



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"



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		PART NO.:	N/A
		WINDLOAD RATING	W4 DP24
		DESCRIPTION:	CLASSIC AND CH RP STEEL PAN DC +24/-24.5 PSF
DRAWN BY:	JAC	DATE:	1/3/97
CHECKED BY:	--	DATE:	--
DWG. NO.:	101711	SCALE:	NTS
		SHEET	4 OF 4
		VER:	TDI