RAISED PANEL EMBOSS DOORS

25 GA

GD5S, GR5S

AR5S

ED5S

SHORT PANEL

25 GA INS

GD5SV, GR5SV

AR5SV

V2ZI3

MODELS

CLOPAY

'GALLERY' HOLMES

'ARTISTRY' DEAL 'CARRIAGE

HOUSE'

REV. NO. ZONE:

19

MIN. (1) INTERMEDIATE STILE PER SECTION. EACH

DATE:

07/2021

REVISIONS ECN NO. APPVD:

JDW

UPDATED TITLE BLOCK AND ADDED COMPLIANCE STATEMENT.

DESCRIPTION

THIS PRODUCT COMPLIES WITH THE 2018 IBC/IRC.

D

В

'CLASSIC' RAISED PANEL EMBOSS DOORS						
MODELS	24 GA	24 GA INS	25 GA	25 GA INS	25 GA	25 GA INS
CLOPAY	84A, 94	92 434 8	73, 75	1500, 190	76	76V
IDEAL	4RST, 4F*	4RSF	6RST	6RSF	2RST	
HOLMES	48, 48B		42, 42B	55, 55\$		
		SHORT PANEL			LONG PANEL	

* - MODEL 4F IS FLUSH

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).

W1, 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	# DF U-BARS		
j	UP TO 7'0"	4	5		
ì	7′3″ T□ 8′9″	5	6		
	9′0″ TD 10′6″	6	7		
	10'9" TO 12'3"	7	8		
	12'6" TO 14'0"	8	9		
1	14'3" TO 15'9"	9	10		
	16′0 ″	10	11		
	MAX SECTION HEIGHT: 21"				
- 1					

INTERMED. STILE ATTACHED WITH TOG-L-LOC (TOP & BOTTOM) AND URETHANE ADHESIVE (ALONG CENTER). END STILES ATTACHED TO DOOR SKIN WITH PATENTED TOG-L-LOC SYSTEM (TOP, BOTTOM, & CENTER). SHOWN) SEE END HINGE VIEW B. DOOR = 16'-0" SECTION D SEE INTERMED. HINGE VIEW C. ONE PER INTERMED. STILE. TWO POINT LOCKING INTO TRACK. -MOUNT U-BARS ON TOP OF HINGE LEAF AS SHOWN. -MOUNT U-BARS ABOVE BOTTOM BRACKET AS SHOWN. === OPTIONAL OUTSIDE KEYED LOCATION OF LOCK POSITION OPTIONAL VENT MAX. DOOR WIDTH = 9'-0"INSIDE ELEVATION 'CLASSIC' SHORT RAISED-PANEL SHOWN. LONG 'CLASSIC' AND SHORT 'CARRIAGE HOUSE' ARE ALSO APPROVED.

SHEET

1 OF 3

SNAP LATCH ENGAGES ONTO VERTICAL TRACK. ONE SNAP LATCH ON EACH SIDE OF DOOR. OUTSIDE END KEYED STILE. INSIDE HANDLE

HANDLE. OUTSIDE KEYED LOCK WITH SNAP LATCH LOCK OPTION.

DWG. NO.: 102110

ENGAGES INTO END -VERTICAL TRACK. STILE. ONE LOCK ON EACH SIDE OF DOOR.

SLIDE BOLT LOCK

INSIDE SLIDE BOLT LOCK OPTION. END STILE. OUTSIDE HANDLE. LOCK BAR ENGAGES IN TRACK ON EACH SIDE OF DOOR.

MANUFACTURING PRODUCT CODE

PAN-2F151

OUTSIDE KEYED LOCK WITH LOCK BAR LOCKING.

MARK WESTERFIELD 91513 S/ONAL EX

DESIGN ENGINEER: MARK WESTERFIELD, P.E.

FLORIDA P.E. #48495, NC P.E. #23832, TEXAS P.E. #91513

#14x5/8" SHEET METAL SCREWS 1/4"x3/4" SELF TAPPING SCREWS

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

DESIGN LOADS: +30.0 P.S.F. & -32.0 P.S.F. TEST LOADS: +45.0 P.S.F. & -48.0 P.S.F. Unless Stated Otherwise

TOLERANCES are $.0 = \pm .031$ $.00 = \pm .015$ $.000 = \pm .005$

 $.0000 = \pm .001$ Degrees = $\pm 1/2^{\circ}$ Unless Stated Otherwise DIMENSIONS ARE IN INCHES.

Liopay CORPORATION

PART NO .: N/A 8585 Duke Boulevard Moson, OH 45040 USA Tel. No. 513-770-4800 Fax No. 513-770-4853 WINDLOAD RATING

DESCRIPTION: CLASSIC AND CH RP STEEL PAN SC +30/-32 PSF DATE: 9/23/96 SCALE: NTS DRAWN BY: MW SCALE: NTS DWG. BIZE CHECKED BY: --DATE: --

VER: TDI

3

SHEET

2 OF 3

DATE:

REV. NO. ZONE:

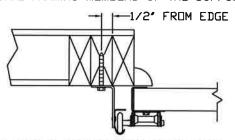
'CLASSIC' RAISED PANEL EMBOSS DOORS						
MODELS	24 GA	24 GA INS	25 GA	25 GA INS	25 GA	25 GA INS
CLOPAY	84A, 94		73, 75	1500, 190	76	76V
IDEAL	4RST, 4F*	4RSF	6RST	6RSF	2RST	
HOLMES	48, 48B		42, 42B	55, 55\$		
	SHORT PANEL			LONG	PANEL	

* - MDDEL 4F IS FLUSH

١	'CARRIAGE HOUSE' RAISED PANEL EMBOSS DOORS				
	MODELS	25 GA	25 GA INS		
	CL□PAY '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 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 24" CENTERS (2,000 PSI MIN. CONCRETE), WASHERS INCLUDED WITH SLEEVE ANCHORS.

1/4"x3" TAPCON SCREWS ON 24" CENTERS (2,000 PSI MIN. CONCRETE) OR 14" 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.

ECN NO. APPVD: DESCRIPTION 19 SEE REVISION HISTORY ON SHEET ONE 3" TALL U-BAR. - 2" THICK 20 GA. GALV. STEEL MIN. YIELD STRENGTH: 50 KSI. 25 GA. MIN. G-40 GALV. STEEL SKIN WITH A BAKED-ON PRIMER AND A BAKED-ON POLYESTER TOP COAT APPLIED TO BOTH 12 GA. GALV. STEEL TOP ROLLER SIDES OF STEEL SKIN. BRACKET. EACH BRACKET ATTACHED W/(4) #14x5/8" SHEET METAL SCREWS. SHIP LAP JOINTS. -14 GA. GALV. STEEL END HINGE FASTENED TO END STILES W/(4) EACH #14x5/8" SHEET METAL SCREWS & (4) 1/4" SELF TAPPING SCREWS. 1# DENSITY POLYSTYRENE FOAM _ INSULATION 1-5/16" THICK WITH VINYL HAIRCELL BACKER (INSULATED MODELS ONLY). 3" TALL x 20 GA. GALV. STEEL U-BAR. ONE AT THE TOP OF EACH SECTION AND ONE AT THE BOTTOM OF THE BOTTOM SECTION. EACH U-BAR ATTACHED WITH (2) 1/4"x3/4" SELF TAPPING SCREWS PER STILE LOCATION. 13 GA. GALV. STEEL BOTTOM BRACKET. ATTACHED WITH (2) #14x5/8" SHEET METAL SCREWS ALUMINUM EXTRUSION & VINYL WEATHERSTRIP. SECTION A-A (SIDE VIEW) MANUFACTURING PRODUCT CODE PAN-2F151

DESIGN LOADS: +30.0 P.S.F. & -32.0 P.S.F. TEST LOADS: +45.0 P.S.F. & -48.0 P.S.F.

DIMENSIONS ARE IN INCHES. DWG. NO.: 102110

Globay

CORPORATION

DRAWN BY: MW

CHECKED BY: --

Unless Stated Otherwise

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REVISIONS

DESIGN ENGINEER: MARK WESTERFIELD, P.E.

MARK WESTERFIELD

91513

S/ONAL EN

В

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FLORIDA P.E. #48495, NC P.E. #23832, TEXAS P.E. #91513

DATE: 9/23/96 | SCALE: NTS

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

Fax No. 513-770-4853

DATE: --

DESCRIPTION: CLASSIC AND CH RP STEEL PAN SC +30/-32 PSF

PART NO.: N/A

VER: TDI

WINDLOAD RATING

SHEET 2 OF 3 SIZE $oldsymbol{\mathrm{L}}$

DWG. T

