

Ŋ,			
	DOOR HEIGHT	# DF SECTIONS	# OF U-BARS
H	UP TO 7'0"	4	7
۱ ا	7'3" TO 8'9"	5	9
	9'0" TO 10'6"	6	11
	10'9" TO 12'3"	7	13
	12'6" TO 14'0"	8	15
	14'3" TO 15'9"	9	17
	16′0 <b>″</b>	10	19
	MAX SECTION HEIGHT: 21"		

4

HINGES



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

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). W6, W7, W8. ANY OF THESE W-LEVELS MAY BE SHOWN ON THE

SHEET **REVISIONS** 1 OF 4 REV. NO. ZONE: DATE: ECN NO. APPVD: DESCRIPTION 14 07/2021 JDW UPDATED TITLE BLOCK AND ADDED COMPLIANCE STATEMENT.

THIS PRODUCT COMPLIES WITH THE 2018 IBC/IRC.

SLIDE BOLT LOCK ENGAGES INTO

VERTICAL TRACK.

END

LOCK BAR

ENGAGES IN

TRACK ON

EACH SIDE

OF DOOR.

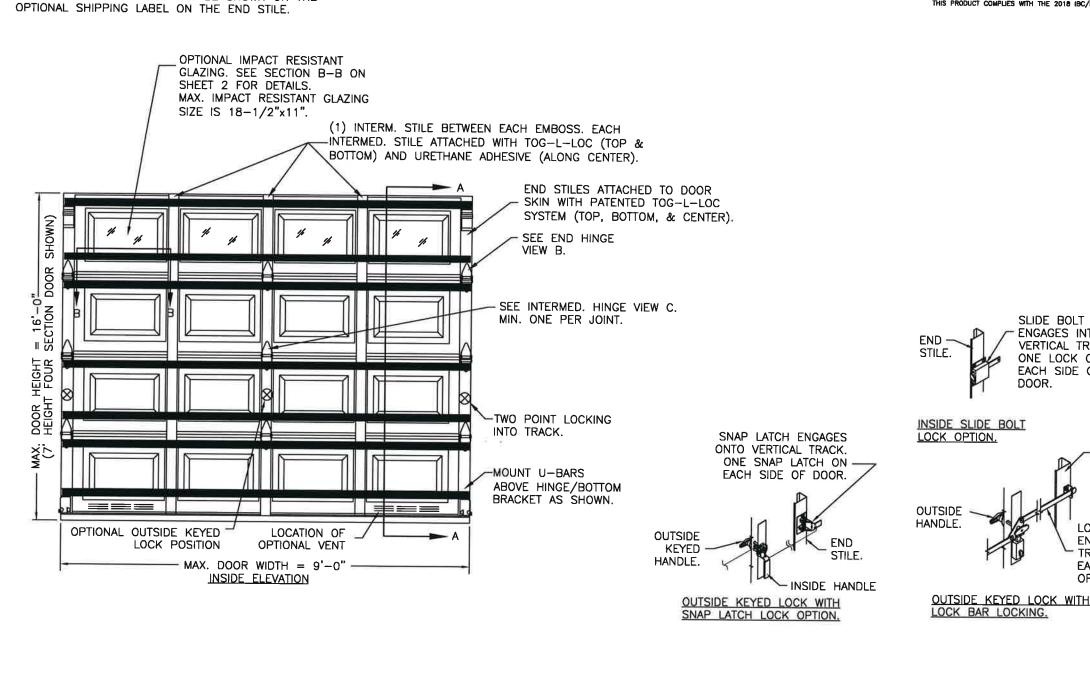
MANUFACTURING PRODUCT CODE

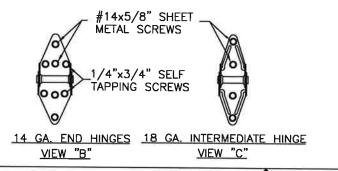
STILE.

ONE LOCK ON EACH SIDE OF

DOOR.

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 $.0 = \pm .031$  $.00 = \pm .015$  $.000 = \pm .005$  $.0000 = \pm .001$ Degrees =  $\pm 1/2$ °

Unless Stated Otherwise DIMENSIONS ARE IN INCHES. DWG. NO.: 101702

Unless Stated Otherwise

TOLERANCES are

PAN-2F143 DESIGN LOADS: +42.0 P.S.F. & -48.0 P.S.F. PART NO.: N/A TEST LOADS: +63.0 P.S.F. & -72.0 P.S.F. WINDLOAD RATING

8585 Duke Boulevard Mason, OH 45040 USA Tel. No. 513-770-4800 Fax No. 513-770-4853 Glopay CORPORATION DESCRIPTION: CLASSIC AND CH RP STEEL PAN SC +42/-48 PSF

DRAWN BY: MWW DATE: 11/18/96 SCALE: NTS DWG. 🗀 CHECKED BY: --SHEET 1 OF 4 SIZE  $oldsymbol{\mathrm{D}}$ DATE: --VER: TDI

'CLASSIC' RAISED PANEL SHEET **REVISIONS** EMBOSS DOORS 2 OF 4 REV. NO. ZONE: DATE: ECN NO. APPVD: MODELS **DESCRIPTION** 24 GA 14 CLOPAY 84A, 94 SEE REVISION HISTORY ON SHEET ONE. 4RST, 4F\* IDEAL HOLMES 48, 48B - 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 AND AN APPROVED C1 PLASTIC IN ACCORDANCE WITH FBC 2612. THÉ ENTIRE DOOR ASSEMBLY INSTALLED IN COMPLIANCE WITH THIS SECTION MEETS THE WIND LOAD REQUIREMENTS OF THE FLORIDA BUILDING CODE AND INTERNATIONAL BUILDING CODE AND IS LARGE- AND SMALL-MISSILE IMPACT RESISTANT. SECTION B-B (IMPACT-RESISTANT GLAZING OPTION) DETAIL 'D' OPTIONAL DECORATIVE MULTIPURPOSE HIGH BOND TAPE -2.25-SNAP-IN INSERT. (BETWEEN FRAME AND FACADE). DECORATIVE FRONT FACADE. 0.188-STRUCTURAL SILICONE SEALANT (BETWEEN STEEL SKIN AND FRAME). IMPACT RESISTANT ONE-PIECE INJECTION POLYSTYRENE RETAINER FASTENED TO FRAME WITH MOLDED GE LEXAN (10) #8 x 3/4" PAN HEAD MACHINE SCREWS. В SLX2432T FRONT FRAME & GLAZING. IMPACT-RESISTANT ASSEMBLY DETAILS **DRAWING 101702** MARK WESTERFIELD MANUFACTURING PRODUCT CODE SONAL ENG PAN-2F143 DESIGN LOADS: +42.0 P.S.F. & -48.0 P.S.F. <u>TEST LOADS:</u> +63.0 P.S.F. & -72.0 P.S.F. PART NO.: N/A 8585 Duke Boulevard Mason, OH 45040 USA Tel. No. 513-770-4800 Fax No. 513-770-4853 Unless Stated Otherwise WINDLOAD RATING Glopay TOLERANCES are CORPORATION  $.0 = \pm .031$  $.00 = \pm .015$ DESCRIPTION: CLASSIC AND CH RP STEEL PAN SC +42/-48 PSF  $.000 = \pm .005$ DRAWN BY: MWW DATE: 11/18/96 SCALE: NTS

DESIGN ENGINEER: MARK WESTERFIELD, P.E.

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

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DIMENSIONS ARE IN INCHES. DWG. NO.: 101702

CHECKED BY: --

Degrees =  $\pm 1/2$ 

Unless Stated Otherwise

VER: TDI

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SHEET 2 OF 4 SIZE

SHEET

3 OF 4

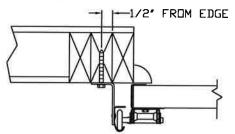
'CLASSIC' RAISED PANEL EMBOSS DOORS		
MODELS	24 GA	
CLOPAY	84A, 94	
IDEAL	4RST, 4F*	
HOLMES	48, 48B	

\* - 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 ½" 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.

<u>VERTICAL JAMB ATTACHMENT (C-90 BLOCK OR 2,000 PSI MIN. CONCRETE COLUMN)</u>: 3/8"x3" SLEEVE ANCHOR BOLTS ON 22" CENTERS (2,000 PSI MIN. CONCRETE). WASHERS INCLUDED WITH SLEEVE ANCHORS.

1/4"x3" TAPCON SCREWS ON 19" CENTERS (2,000 PSI MIN. CONCRETE) OR 10" 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.

DESIGN ENGINEER: MARK WESTERFIELD, P.E.

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

REV. NO. ZONE: DATE: ECN NO. APPVD: DESCRIPTION 14 SEE REVISION HISTORY ON SHEET ONE. 2-1/4" TALL U-BAR. 20 GA. GALV. STEEL. - 2" THICK MIN. YIELD STRENGTH: 80 KSI. "80 KSI" STAMPED ONTO U-BAR. <del>---</del> 2-1/4" 24 GA. MIN. G-40 GALV. -1-7/8" STEEL SKIN WITH A BAKED-ON PRIMER AND A BAKED-ON POLYESTER TOP COAT APPLIED TO BOTH 12 GA. GALV. STEEL TOP SIDES OF STEEL SKIN. ROLLER BRACKET, EACH BRACKET ATTACHED W/(4) #14x5/8" SHEET METÁL SCREWS. BOTTOM OF SECTION: U-BAR PLACED ABOVE OF LEAF HINGE AS SHOWN. 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. TOP OF SECTION: U-BAR PLACED ON TOP OF LEAF HINGE AS SHOWN. 2-1/4" TALL x 20 GA. GALV. STEEL U-BARS. (1) U-BAR AT THE TOP OF SECTION AND (1) U-BAR AT THE BOTTOM OF EACH SECTION, EXCEPT THE THIRD SECTION. EACH U-BAR ATTACHED WITH (2) 1/4"x3/4" SELF TAPPING SCREWS PÉR 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-2F143 DESIGN LOADS: +42.0 P.S.F. & -48.0 P.S.F. TEST LOADS: +63.0 P.S.F. & -72.0 P.S.F. PART NO.: N/A 8585 Duke Boulevard Mason, OH 45040 USA Tel. No. 513-770-4800 Fax No. 513-770-4853 Unless Stated Otherwise WINDLOAD RATING TOLERANCES are Globay CORPORATION  $.0 = \pm .031$  $.00 = \pm .015$ DESCRIPTION: CLASSIC AND CH RP STEEL PAN SC +42/-48 PSF  $.000 = \pm .005$ DRAWN BY: MWW DATE: 11/18/96 SCALE: NTS SCALE: NTS DWG. SIZE D  $.0000 = \pm .001$ Degrees =  $\pm 1/2$ CHECKED BY: --DATE: --Unless Stated Otherwise
DIMENSIONS ARE IN INCHES. DWG. NO.: 101702 VER: TDI

**REVISIONS** 

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