

MODELS AVAILABLE (CLOPAY/ HOLMES/ IDEAL) MODELS 524, 520/ 224/ C4ST, COST INSULATED MODELS 524S, 520S, 524V/ 224S/ C4SS, C0SS, C4SV

				RE	VISIONS	
REV. NO.	ZONE:	DATE:	ECN NO.	APPVD:	DESCRIPTION	
01	-	-	0 <b>—</b> 0	45	SEE REVISION HISTORY ON SHEET 1	

ŀ	HORIZONTAL (TOP) JAMB (NO LOAD FROM DOOR)
	FASTENER TYPE
	MAX. O.C.
	- 2x6 VERTICAL JAMB

## JAMB TO SUPPORTING STRUCTURE ATTACHMENT

NOTES:

1. ALL THE LOAD FROM THE DOOR IS TRANSFERRED TO THE TRACK AND THEN FROM THE TRACK TO THE 2x6 VERTICAL SYP (GRADE #2 OR BETTER) JAMBS. NO LOAD FROM THE DOOR IS TRANSFERRED TO THE HORIZONTAL (TOP) JAMB. 2. EACH VERTICAL JAMB SEES A MAXIMUM DESIGN LOAD OF +300 LB & -300 LB. PER LINEAR

3. ALL JAMB FASTENERS MAY BE (BUT ARE NOT REQUIRED TO BE) COUNTERSUNK TO PROVIDE A FLUSH MOUNTING SURFACE.

4. A 1/3 STRESS INCREASE FOR WIND LOAD WAS NOT USED IN THE CALCULATION OF ALLOWABLE LOADS FOR ANCHORS AND FASTENERS FOR STEEL, CONCRETE AND MASONRY.

NOTE: 2x6 WOOD JAMBS ARE NOT REQUIRED WITH CONTINUOUS ANGLE MOUNT TRACK. HOWEVER, IF DESIRED ON STEEL JAMBS OR CONCRETE OR BLOCK WALLS, APPROVED FASTENERS AS DETAILED BELOW SHOULD BE INCREASED IN LENGTH BY 1-1/2" AND INSTALLED DIRECTLY
THROUGH THE ANGLE AND 2x6 WOOD JAMBS INTO THE STEEL JAMBS OR CONCRETE OR BLOCK
WALLS. ANCHORS CAN BE (BUT ARE NOT REQUIRED TO BE) COUNTERSUNK TO PROVIDE A FLUSH
MOUNTING SURFACE. CONTINUOUS ANGLE TRACK CAN BE ANCHORED DIRECTLY TO GROUT REINFORCED BLOCK WALL OR 3,000 PSI MIN. CONCRETE COLUMN OR STEEL JAMBS.

3" TALL x 20 GA. GALV. STEEL (MIN. YIELD STRENGTH 50KSI) U-BAR. ATTACHED ONE AT THE TOP OF EACH SECTION EACH U-BAR ATTACHED WITH (2) 1/4"x3/4" SELF TAPPING SCREWS PER STILE LOCATION. ADJUSTABLE TOP ROLLER BRACKET OF 12 GA. SECTIONS ARE 1-7/8" THK GALV. STEEL, INSTALLED ON DOOR WITH (4) #14 X 5/8" LG SHEET METAL SCREWS. ( 2 PANELS ROLL FORMED OF .022" MIN. HOT DIPPED G-40 BRACKETS PER SIDE) GALVANIZING, ROLL FORMED STEEL. VIEW 3" TALL U-BAR 20 GA. GALV. STEEL 4" TALL TAPER STRUT. 0.062" MIN. GALV. STEEL. 80 KSI, MIN. END HINGES OF MIN. 14 GA. GALV. STEEL, FASTENED WITH (4) #14 X 5/8" LG. SHT. MTL. SCREWS AND (2) 1/4"x3/4" SELF-TAPPING SCREWS. QTY-2 HINGES PER SIDE ONE 4" T-STRUT PER SECTION. SEE VIEW "D". EACH T-STRUT ATTACHED AT EACH STILE LOCATION WITH (2) 1/4"x3/4" SELF TAPPING SCREWS [(4) AT EACH DOUBLE END STILE]. BOTTOM ROLLER BRACKET OF 12 GA. MIN. GALV. STEEL, FASTENED WITH (4) #14 x 5/8" LG SHT. MTL. SCREWS. BOTTOM SECTION REINFORCED WITH TEMPERED ALUMINUM EXTRUSION WITH INTEGRAL RETAINER FOR FLEXIBLE VINYL ASTRAGAL

SECTION A-A (SIDE VIEW)

FASTENER ATTACHMENT TO SUPPORTING STRUCTURE SCHEDULES

		MAXIMUM ON-CENTER	
		DISTANCE BETWEEN	STEEL
BUILDING TYPE	FASTENER TYPE		REQUIRED
HOLLOW BLOCK WALL	1/4" x 1-1/4" MIN. EMBED ULTRACON CONCRETE ANCHOR	5-1/2"	1" O.D.
GROUT FILLED BLOCK WALL	1/4" x 1-3/4" MIN. EMBED ULTRACON CONCRETE ANCHOR	9"	1" O.D.
2000 PSI MIN. CONCRETE	1/4" x 1" MIN. EMBED ULTRACON CONCRETE ANCHOR	8"	1" O.D.
2000 PSI MIN. CONCRETE	1/4" x 1" MIN. EMBED TAPCON CONCRETE ANCHOR	7-1/2"	1" O.D.
POO PSI MIN. CONCRETE	3/8" x 1-3/4" MIN. EMBED WEJ-IT ANKR TITE SLEEVE ANCHOR	16-3/4"	INCLUDED
1000 PSI MIN. CONCRETE	3/8" x 1-3/4" MIN. EMBED WEJ-IT ANKR TITE SLEEVE ANCHOR	24"	INCLUDED
OOD FRAME (SYP 0.55 SG)	1/2" x 3" LAG SCREW (ASTM A307, GRADE A) 1-5/8" EMBED INTO STRUCTURE	18"	1" O.D.
4GA STEEL (0.060" MIN.)	1/4"-14 x 1" ITW BUILDEX TEKS SELF-DRILLING FASTENER	7-1/2"	1" O.D.
264 (STEEL (0.105" MIN.)	1/4"-14 x 1" ITW BUILDEX TEKS SELF-DRILLING FASTENER	13-1/4"	1" O.D.
/8" STEEL	1/4"-14 x 1" ITW BUILDEX TEKS SELF-DRILLING FASTENER	15-3/4"	1" O.D.

AT LEAST AS HIGH AS THE DOOR OPENING. CLOPAY DOES NOT SUPPLY JAMB ATTACHMENT FASTENERS.

MINIMUM DISTANCE BETWEEN CENTER OF ANCHOR AND EDGE OF CONCRETE BLOCK: 2-1/2", EXCLUDING STUCCO THICKNESS.

MARK WESTERFIELD, P.E. FLORIDA P.E. No. 48495, NC P.E. #23832, TEXAS P.E. #91513

В

 $.00 = \pm .015$  $.000 = \pm .005$  $.0000 = \pm .001$ Degrees =  $\pm 1/2$ Unless Stated Otherwise DIMENSIONS ARE IN INCHES. DWG. NO.: 105196

Unless Stated Otherwise

TOLERANCES are

 $.0 = \pm .031$ 

DESIGN LOADS: +25 & -25 P.S.F. TEST LOADS: +37.5 & -37.5 P.S.F. PART NO .: N/A 8585 Duke Boulevard Moson, OH 45040 USA Tel. No. 513-770-4800 Fax No. 513-770-4853 CLOPAY WINDLOAD RATING **Lilopay** CORPORATION DESCRIPTION: COMMERCIAL RIBBED DOOR, +25/-25 PSF DESIGN LOAD DRAWN BY: RJH DATE: 2/2/17 SCALE: NTS SHEET 2 OF 4 SIZE B CHECKED BY: -DATE: -VER: TDI

MANUFACTURING PRODUCT CODE: MPC: C-PAN-1E448 В

3

3 MODELS AVAILABLE (CLOPAY/ HOLMES/ IDEAL) **REVISIONS** MODELS 524, 520/ 224/ C4ST, COST REV. NO. ZONE: DATE: ECN NO. APPVD: DESCRIPTION INSULATED MODELS 524S, 520S, 524V/ 224S/ C4SS, C0SS, C4SV SEE REVISION HISTORY ON SHEET 1 LHR BRACKET (2-1/2" x 5-3/4" x 12GA) ATTACHED WITH (2) 1/4" x 3/4" SELF TAPPING DOUBLE TRACK 3" TRACK CONFIGURATION. LOW HEADROOM OPTION JAMB CONFIGURATION FOR DOORS WITH 3" TRACK. CENTER HANG REQUIRED FOR NOTE DOUBLE TRACK LOW HEADROOM, HI-LIFT TRACK, DOORS OVER 8' HIGH. DOUBLE HORIZONTAL FOLLOW-THE- ROOF TRACK, AND VERTICAL LIFT OPTIONAL STOP MOULDING BY DOOR INSTALLER (TO SUIT). 1" DOOR OVERLAP (EACH SIDE) -TRACK ARE AVAILABLE 16 GA x 6" x 1-7/8" GALV. STEEL DOUBLE END STILE FASTENED OPTIONS. WITH TOG-L-LOC SYSTEM AT TOP, BOTTOM AND CENTER.

18 GA. x 2" x 1-7/8" x 3/4" GALV. STEEL INTERMEDIATE

STILE FASTENED TO DOOR SKIN WITH TOG-L-LOC SYSTEM В 3" GALV. TAPERED STEEL TRACK AND ANGLE. TRACK THICKNESS: 0.101". ANGLE THICKNESS: 0.080". 2x6 SYP JAMB (IF PRESENT: TRACK CONFIGURATION SEE JAMB NOTES ON SHEET 2). ABOVE THE DOOR OPENING HORIZONTAL TRACK DOES NOT AFFECT THE MIN. ANGLE DIMENSIONS 3-1/4" x 2-7/8". SUPPORT BY DOOR AT TOP, BOTTOM AND EACH MAJOR RIB. WIND LOAD RATING. INSTALLER (TO SUIT). VERTICAL/HORIZONTAL TRACK 14" MAXIMUM SPACING 3-1/4" x 2-7/8" MIN. x 0.080" TAPERED JUNCTION. TWO 1/4" BOLTS & NUTS FOR EACH TRACK. FROM LAST MOUNTING ANGLE. SEE LAG BOLT MOUNTING AT TRACK SLOT TO TRACK JUNCTION CONFIGURATION BELOW. 7/16" I.D. ROUND PUSH NUT ADDITIONAL MOUNTING SLOTS SPACED AT 12" CENTERS. 0.101" THICK 3" GALV. STEEL TRACK FASTENED TO TAPERED ANGLE. TRACK ATTACHED TO 14 GA. GALV. STEEL ROLLER HINGES FASTENED TO END STILES W/(4) EACH #14x5/8" SHEET METAL SCREWS TAPERED ANGLE WITH ONE 1/4"x5/8" BOLT & NUT AT EACH MOUNTING SLOT. 12" ON CENTER AND (2) 1/4" SELF TAPPING SCREWS PER END HINGE. 3" DIA. B-1/2" LONG STEM BALL BEARING STEEL ROLLER. SECTION C-C ONE. " TRACK BOLT AND NUT AT EACH PREPARATION OF JAMBS BY OTHERS. MOUNTING SLOT LOCATION. MANUFACTURING PRODUCT CODE: DOOR VERTICAL
HEIGHT TRACK LENGTH MPC: C-PAN-1E448 DESIGN LOADS: +25 & -25 P.S.F.

ONE 5/16" x 1-5/8" LAG SCREW SPACED AT THE SAME

VERTICAL/HORIZONTAL TRACK JUNCTION.

DISTANCES AS THE TRACK BOLTS (I.E. 3-1/2", 10", 22", 34",

46", ETC.). ADDITIONAL LAG SCREWS LOCATED AT 16", 28", &

40" FROM BOTTOM. TWO LAG SCREWS ALSO LOCATED ABOVE

MARK WESTERFIELD, P.E.

FLORIDA P.E. No. 48495, NC P.E. #23832, TEXAS P.E. #91513

3

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DIMENSIONS ARE IN INCHES. DWG. NO.: 105196

Glopay

CORPORATION

DRAWN BY: RJH

CHECKED BY: -

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

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

DATE: -

DESCRIPTION: COMMERCIAL RIBBED DOOR, +25/-25 PSF DESIGN LOAD

DATE: 2/2/17

PART NO.: N/A

SCALE: NTS

VER: TDI

CLOPAY WINDLOAD RATING

SCALE: NTS DWG.  $_{\text{SIZE}}$ 

3 MODELS AVAILABLE (CLOPAY/ HOLMES/ IDEAL) **REVISIONS** MODELS 524, 520/ 224/ C4ST, COST REV. NO. ZONE: DATE: ECN NO. APPVD: DESCRIPTION INSULATED MODELS 524S, 520S, 524V/ 224S/ C4SS, C0SS, C4SV SEE REVISION HISTORY ON SHEET 1 THE OPTIONAL GLAZING SHOWN ON THIS DRAWING MEETS THE STANDARD ASSEMBLY CONSTRUCTION: OPTIONAL LITES WITH DSB OR BETTER GLAZING AVAILABLE. OPTIONAL FULL VISION SECTIONS WITH DSB OR BETTER GLAZING AVAILABLE. WIND LOAD REQUIREMENTS OF THE FLORIDA BUILDING CODE OR INTERNATIONAL BUILDING CODE BUT DOES NOT MEET THE THE ENTIRE DOOR ASSEMBLY INSTALLED IN COMPLIANCE WITH THIS SECTION MEETS THE WIND LOAD REQUIREMENTS OF THE FLORIDA BUILDING CODE IMPACT RESISTANT REQUIREMENT FOR WINDBORNE DEBRIS OR INTERNATIONAL BUILDING CODE BUT DOES NOT MEET THE IMPACT RESISTANT REQUIREMENT FOR WINDBORNE DEBRIS REGIONS (REF. CHAPTER 16 REGIONS (REF. CHAPTER 16 FBC/IBC) FBC/IBC). NON-IMPACT-RESISTANT FULL VISION SECTION OPTION OPTIONAL ALUMINUM FULL VISION WINDOW LITE SECTIONS AVAILABLE, SINGLE PANE OR INSULATED. ALL PANES ANNEALED GLASS OR STRONGER. SINGLE PANES 1/8" OR THICKER. INSULATED WINDOWS 1/2" THICK, CONSISTING OF (2) PANES 1/8" THICK, FULL VISION SECTIONS TO HAVE SAME REINFORCEMENT AS В OTHER SECTIONS. OPTIONAL ACRYLIC IS PLASKOLITE OPTIX, AN APPROVED CC2 PLASTIC IN COMPLIANCE WITH IBC/FBC 2606. MAXIMUM DLO: 33" X 21-1/4". STANDARD ASSEMBLY DETAILS MANUFACTURING PRODUCT CODE: MPC: C-PAN-1E448 DESIGN LOADS: +25 & -25 P.S.F. TEST LOADS: +37.5 & -37.5 P.S.F. PART NO .: N/A Unless Stated Otherwise 8585 Duke Boulevard Mason, OH 45040 USA Tel. No. 513-770-4800 Fox No. 513-770-4853 Clopay CLOPAY WINDLOAD RATING TOLERANCES are CORPORATION  $.0 = \pm .031$  $.00 = \pm .015$ DESCRIPTION: COMMERCIAL RIBBED DOOR, +25/-25 PSF DESIGN LOAD  $.000 = \pm .005$ DRAWN BY: RJH  $.0000 = \pm .001$ DATE: 2/2/17 SCALE: NTS SCALE: NTS DWG. BIZE MARK WESTERFIELD, P.E. Degrees =  $\pm 1/2$ CHECKED BY: -DATE: -FLORIDA P.E. No. 48495, NC P.E. #23832, TEXAS P.E. #91513 Unless Stated Otherwise
DIMENSIONS ARE IN INCHES. DWG. NO.: 105196 VER: TDI 3