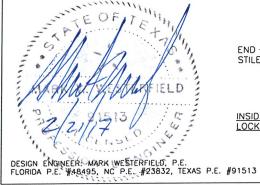
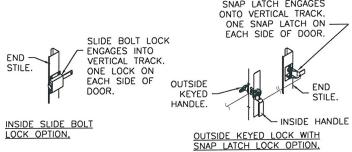
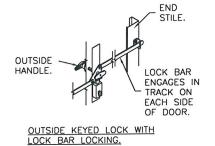
3 4 **REVISIONS** CLOPAY MODEL 902, 903 DESCRIPTION ECN NO. APPVD: DATE: REV. NO. ZONE: IDEAL MODEL C2AL, C3AL INITIAL RELEASE 2/6/17 00 U-BAR SEE SECTION-1-1 FOR DETAILS T-STRUT. SEE SECTION 1-1 FOR DETAILS. DOOR IS MADE ADJUSTABLE -TOP ROLLER BRACKETS OF 6063-T5 ALUMINUM EXTRUSIONS. WALL THICKNESS: TOP RAIL INTER. TOP & BOTTOM RAILS - .075 TOP HAS .1 x 1.875" FIN INTER. TOP RAIL CAP -SINGLE & DOUBLE END STILES .075 CENTER STILES ARE CENTER STILES --.062"A" TWO ALWAYS 22" FROM CENTER TO CENTER HD BTM RAIL --.179 POINT REINFORCING FIN ON INTER. TOP RAILS LOCKING ANGLE CUT AT END STILES FOR ANY GIVEN DOOR REQ'D. WIDTH. DIMENSION 'B' SECTION 4 - 4 IS THE LEFTOVER DIMENSION ON BOTH
- ENDS OF THE DOOR.
903 AND C3AL DOORS
HAVE EQUAL SPACES
BETWEEN ALL STILES. 3 3" ROLLER CARRIER PART # 0120394. MOUNT WITH QTY 3 SELF DRILLING 22" TYP. 22'2" DOOR WIDTH SCREWS AS SHOWN PANEL IN BOTTOM SECTION CAN BE .050" STILES MARKED WITH H THICK SMOOTH ALUMINUM. ARE HINGE LOCATIONS. #14x5/8" SHEET METAL SCREWS NUMBER OF NUMBER OF CENTER NUMBER OF DOOR HEIGHT 'A' DOOR WIDTH HINGES STILES UP TD 8'-0" 8'-3" THRU 10'-0" 20'-3" THRU 22'-2" 10'-3" THRU 12'-0" 12'-3" THRU 14'-0" 14'-3" THRU 16'-0" 16'-3" THRU 18'-0" 00 CENTER HINGE OF 16 GA. GALV. STEEL, ATTACHED 1/4"x3/4" SELF TO INTER. BOTTOM RAIL WITH (2) #14 X 5/8" SHT TAPPING SCREWS. MTL SCREWS AND TO INTER. TOP RAIL WITH (2) 1/4 MAX. SECTION HEIGHT: 24" - 20 X 1/2" HEX HEAD MACHINE SCREWS & NUTS 14 GA. END HINGES SNAP LATCH ENGAGES FND ONTO VERTICAL TRACK. STILE. ONE SNAP LATCH ON EACH SIDE OF DOOR. SLIDE BOLT LOCK ENGAGES INTO VERTICAL TRACK. DESI FND -OUTSIDE STILE. ONE LOCK ON HANDLE.







	TEST
	Unle TO
	De
Third Angle Projection	Unless DIMENS

SIGN LOADS: +30 & -3 ST LOADS +45 & -4			MANUFACTURING PRODUCT CODE: MPC: C-AL-1F499		
Unless Stated Otherwise TOLERANCES are $.0 = \pm .031$	E llopay Mos	5 Duke Boulevard on, OH 45040 USA No. 513-770-4800 No. 513-770-4853	CLOPAY WINDLOAD RATING		
$.00 = \pm .031$ $.00 = \pm .015$	DESCRIPTION: M/N 902,	C2AL, 22'2" WIDE	DES. +30/-30 PSF		
$.000 = \pm .005$ $.0000 = \pm .001$	DRAWN BY: RJH	DATE: 2/6/17	SCALE: NONE DWG. D		
Degrees = $\pm 1/2$	CHECKED BY: -	DATE: -	SHEET 1 OF 3 SIZE L		
less Stated Otherwise MENSIONS ARE IN INCHES.	DWG. NO.: 105059	1	VER: TDI		

В

2

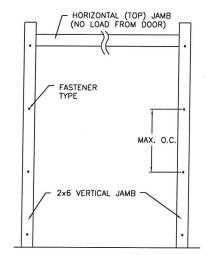
- 3" TALL x 20 GA. GALV. STEEL (MIN YIELD STRENGTH 50KSI) U-BAR. ONE AT THE TOP OF EACH SECTION EACH U-BAR

ATTACHED WITH STILE LOCATION WITH (2) 1/4"x1" SELF

REVISIONS DESCRIPTION REV. NO. DATE: ECN NO. APPVD: ZONE: SEE REVISION HISTORY ON SHEET 1 00

SECTION 1 - 1

CLOPAY MODEL 902, 903 IDEAL MODEL C2AL, C3AL



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 +330 LB & -330 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.

FASTENER ATTACHMENT TO SUPPORTING STRUCTURE SCHEDULES

		l	INIMATINION	1 1
			ON-CENTER	
		ļ	DISTANCE	STEEL
		<u> </u>	BETWEEN	WASHERS
	BUILDING TYPE	FASTENER TYPE	FASTENERS*	REQUIRED?
	HOLLOW BLOCK WALL	1/4" x 1-1/4" MIN. EMBED ULTRACON CONCRETE ANCHOR	5"	1" O.D.
	GROUT FILLED BLOCK WALL	1/4" x 1-3/4" MIN. EMBED ULTRACON CONCRETE ANCHOR	8-1/4"	1" O.D.
	2000 PSI MIN. CONCRETE	1/4" x 1" MIN. EMBED ULTRACON CONCRETE ANCHOR	7-1/4"	1" O.D.
	2000 PSI MIN. CONCRETE	1/4" x 1" MIN. EMBED TAPCON CONCRETE ANCHOR	6-3/4"	1" O.D.
	2000 PSI MIN. CONCRETE	3/8" x 1-3/4" MIN. EMBED WEJ-IT ANKR TITE SLEEVE ANCHOR	15"	INCLUDED
Λ	4000 PSI MIN. CONCRETE	3/8" x 1-3/4" MIN. EMBED WEJ-IT ANKR TITE SLEEVE ANCHOR	24"	INCLUDED
7	WOOD FRAME (SYP 0.55 SG)	1/2" x 3" LAG SCREW (ASTM A307, GRADE A) 1-5/8" EMBED INTO STRUCTURE	16-1/2"	1" O.D.
	14GA STEEL (0.060" MIN.)	1/4"-14 x 1" ITW BUILDEX TEKS SELF-DRILLING FASTENER	6-3/4"	1" O.D.
0	1'2GA STEEL (0.105" MIN.)	1/4"-14 x 1" ITW BUILDEX TEKS SELF-DRILLING FASTENER	12"	1" O.D.
1	1/8" STEEL	1/4"-14 x 1" ITW BUILDEX TEKS SELF-DRILLING FASTENER	14-1/2"	1" O.D.
	* FIRST (POTTOM) ANGLIOD	STARTING AT NO MORE THAN HALE OF THE MAYIMIN ON CENTER DISTANCE HIGHEST AND	NOD INCTALL	ED

FIRST (BOTTOM) ANCHOR STARTING AT NO MORE THAN HALF OF THE MAXIMUM ON-CENTER DISTANCE. HIGHEST ANCHOR INSTALLED 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.

DESIGN ENGINEER: MARK WESTERFIELD, P.E. FLORIDA P.E. #88495, NO P.E. #23832, TEXAS P.E. #91513

Third Angle Projection

MANUALIM

TAPPING SCREWS [(4) AT EACH DOUBLE END STILE]. (SEE VIEW 12 GA. GALV. STEEL TOP ROLLER BRACKET. EACH BRACKET ATTACHED W/(4) #14x5/8" SHEET METAL SCREWS. ADJUSTABLE SLIDE ATTACHED TO TOP BRACKET WITH QTY (2) 1/4" X 1/2" BOLTS & NUTS PER BRACKET. TWO BRACKETS PER SIDE FULL-VISION SECTIONS. WITH 1/8" DSB OR BETTER GLASS HELD IN PLACE VIEW WITH SNAP-IN GLAZING BEAD. 3" TALL U-BAR 20 GA. GALV. STEEL, 50 KSI MIN. 4" TALL TAPER STRUT. 0.062" MIN. GALV. STEEL, DOUBLE END ROLLER 80 KSI. MIN. HINGES OF 14 GA MIN GALV STEEL, FASTENED AS SHOWN IN VIEW A. ONE 4" X 80 KSI X 0.062" T-STRUT PER SECTION. EACH T-STRUT ATTACHED AT EACH STILE LOCATION WITH (2) 1/4"x1" SELF TAPPING SCREWS [(4) AT EACH DOUBLE END STILE]. (SEE VIEW "D") HD BOTTOM RAIL WITH 3" TRACK INSERT. BOTTOM ROLLER BRACKET OF 12 GA. GALV. STEEL, FASTENED WITH (4) #14 X 5/8" SHT MTL SCREWS. BOTTOM SECTION REINFORCED WITH A TEMPERED ALUMINUM EXTRUSION WITH INTEGRAL RETAINER FOR FLEXIBLE VINYL ASTRAGAL MANUFACTURING PRODUCT CODE: MPC: C-AL-1F499 DESIGN LOADS: +30 & -30 P.S.F. TEST LOADS +45 & -45 P.S.F. Unless Stated Otherwise 8585 Duke Boulevard CLOPAY WINDLOAD RATING Mason, OH 45040 USA Tel. No. 513-770-4800 Fax No. 513-770-4853 **G**lopay TOLERANCES are Building Products Company $.0 = \pm .031$ $.00 = \pm .015$ DESCRIPTION: M/N 902, C2AL, 22'2" WIDE DES. +30/-30 PSF $.000 = \pm .005$ DRAWN BY: RJH DATE: 2/6/17 SCALE: NONE DWG. T $.0000 = \pm .001$ SHEET 2 OF 3 SIZE Degrees = $\pm 1/2^{\circ}$ CHECKED BY: -DATE: -Unless Stated Otherwise DIMENSIONS ARE IN INCHES. DWG. NO.: 105059 VER: TDI

