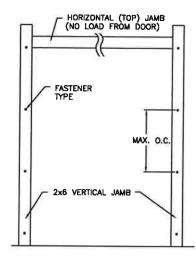


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REVISIONS REV. NO. ZONE: DATE: ECN NO. APPVD: DESCRIPTION 02 SEE REVISION HISTORY ON SHEET 1

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.

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

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

BUILDING TYPE	FASTENER TYPE		STEEL WASHERS 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		
000 PSI MIN. CONCRETE	3/8" x 1-3/4" MIN. EMBED WEJ-IT ANKR TITE SLEEVE ANCHOR	15"	INCLUDED
OOD FRAME (SYP 0.55 SG)	1/2" x 3" LAG SCREW (ASTM A307, GRADE A) 1-5/8" EMBED INTO STRUCTURE	24"	INCLUDED
4GA STEEL (0.060" MIN.)	1/4" 14 - 1" THE CHILDREN ADV. STADE A) 1-5/8 EMBED INTO STRUCTURE	16-1/2"	1" O.D.
TOA STEEL (O.UOU MIN.)	1/4"-14 x 1" ITW BUILDEX TEKS SELF-DRILLING FASTENER	6-3/4"	1" O.D.
2GA STEEL (0.105" MIN.)	1/4"-14 x 1" ITW BUILDEX TEKS SELF-DRILLING FASTENER	12"	1" O.D.
/B" STEEL	1/4"-14 x 1" ITW BUILDEX TEKS SELF-DRILLING FASTENER	14-1/2"	1" O.D.

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.

7 11 1 24' 3" DESIGN ENGINEER: MARK WESTERFIELD, P.E. FLORIDA P.E. #48495, NC P.E. #23832, TEXAS P.E. #91513

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В

3" TALL x 20 GA. GALV. STEEL (MIN YIELD STRENGTH 50KSI) U-BAR. ONE AT THE TOP OF EACH SECTION EACH U-BAR SECTION 1 - 1 ATTACHED WITH STILE LOCATION WITH (2) 1/4"x1" SELF 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 WITH SNAP-IN GLAZING VIEW 3" TALL U-BAR 20 GA. GALV. STEEL, VIEW 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. PART NO .: N/A Unless Stated Otherwise 8585 Duke Boulevard Mason, OH 45040 USA Tel. No. 513-770-4800 CLOPAY WINDLOAD RATING TOLERANCES are CORPORATION $.0 = \pm .031$ Fax No. 513-770-4853 $.00 = \pm .015$ DESCRIPTION: M/N 902, C2AL, 22'2" WIDE DES. +30/-30 PSF $.000 = \pm .005$ DRAWN BY: RJH $.0000 = \pm .001$ DATE: 2/6/17 SCALE: NTS DWG. Ɗ Degrees = $\pm 1/2^{\circ}$ CHECKED BY: -SHEET 2 OF 3 SIZE D DATE: -Unless Stated Otherwise DIMENSIONS ARE IN INCHES. DWG. NO.: 105059 VER: TDI

3 2 CLOPAY MODEL 902, 903 **REVISIONS** IDEAL MODEL C2AL, C3AL REV. NO. ZONE: DATE: ECN NO. APPVD: DESCRIPTION 02 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 LOW HEADROOM OPTION 3" TRACK CONFIGURATION. CENTER HANG REQUIRED FOR JAMB CONFIGURATION FOR DOORS WITH 3" TRACK. DOORS OVER 8' HIGH. NOTE DOUBLE TRACK LOW HEADROOM, HI-LIFT TRACK, FOLLOW-THE- ROOF DOUBLE HORIZONTAL TRACK, AND VERTICAL LIFT OPTIONAL STOP MOULDING BY DOOR INSTALLER (TO SUIT). 3" GALV. TAPERED STEEL TRACK AND ANGLE. TRACK 1" DOOR OVERLAP (EACH SIDE) TRACK ARE AVAILABLE THICKNESS: 0.101". ANGLE THICKNESS: 0.080". END STILES FASTENED TO RAILS WITH FULL LENGTH 5/16" STEEL HORIZONTAL TRACK SUPPORT BY DOOR OPTIONS. В 2x6 SYP JAMB (IF PRESENT: RODS AND FLANGE NUTS. MIN. ANGLE DIMENSIONS 3-1/4" x 2-7/8". TRACK CONFIGURATION SEE JAMB NOTES ON SHEET 2). INSTALLER (TO SUIT). В VERTICAL/HORIZONTAL TRACK ABOVE THE DOOR OPENING -CENTER STILES FASTENED TO RAILS WITH FULL LENGTH 14" MAXIMUM SPACING JUNCTION. TWO 1/4" BOLTS & NUTS FOR EACH TRACK. FROM LAST MOUNTING 5/16" STEEL RODS AND FLANGE NUTS. WIND LOAD RATING. SLOT TO TRACK JUNCTION 3-1/4" x 2-7/8" MIN. x 0.080" TAPERED ANGLE. SEE LAG BOLT MOUNTING AT TRACK ADDITIONAL MOUNTING SLOTS CENTER HINGE OF 16 GA. GALV. STEEL, ATTACHED CONFIGURATION BELOW. 7/16" I.D. ROUND SPACED AT 12" CENTERS. TO INTER. BOTTOM RAIL WITH (2) #14 X 5/8" SHT PUSH NUT MTL SCREWS AND TO INTER. TOP RAIL WITH (2) FASTENER. 1/4 - 20 X 1/2" HEX HEAD MACHINE SCREWS -12" ON CENTER 0.101" THICK 3" GALV. STEEL TRACK FASTENED TO TAPERED ANGLE. TRACK ATTACHED TO 14 GA. GALV. STEEL ROLLER HINGES FASTENED TO END TAPERED ANGLE WITH ONE 1/4"x5/8" BOLT & NUT AT EACH MOUNTING SLOT. STILES W/(4) EACH #14x5/8" SHEET METAL SCREWS AND (2) 1/4" SELF TAPPING SCREWS PER END HINGE. ONE. 1/4" TRACK BOLT AND NUT AT EACH · 3" DIA. 8-1/2" LONG STEM BALL BEARING STEEL ROLLER. MOUNTING SLOT LOCATION. SECTION C-C DOOR VERTICAL PREPARATION OF JAMBS BY OTHERS. MANUFACTURING PRODUCT CODE: MPC: C-AL-1F499 HEIGHT TRACK LENGTH DESIGN LOADS: +30 & -30 P.S.F. TEST LOADS +45 & -45 P.S.F. PART NO.: N/A Unless Stated Otherwise 8585 Duke Boulevard Mason, OH 45040 USA Tel. No. 513-770-4800 Fax No. 513-770-4853 CLOPAY WINDLOAD RATING **L** Glopay TOLERANCES are ONE 5/16" x 1-5/8" LAG SCREW SPACED AT THE SAME DISTANCES AS THE TRACK BOLTS (I.E. 3-1/2", 10", 22", 34", CORPORATION $.0 = \pm .031$ 46", ETC.). ADDITIONAL LAG SCREWS LOCATED AT 16", 28", & $.00 = \pm .015$ DESCRIPTION: M/N 902, C2AL, 22'2" WIDE DES. +30/-30 PSF 40" FROM BOTTOM. TWO LAG SCREWS ALSO LOCATED ABOVE $.000 = \pm .005$ VERTICAL/HORIZONTAL TRACK JUNCTION. $.0000 = \pm .001$ DRAWN BY: RJH DATE: 2/6/17 | SCALE: NTS SCALE: NTS DWG. BIZE DESIGN ENGINEER: MARK WESTERMELD, P.E. FLORIDA P.E. #48495, NC P.E. #23832, TEXAS P.E. #91513 Degrees = $\pm 1/2$ CHECKED BY: -DATE: -Unless Stated Otherwise DWG. NO.: 105059 VER: TDI 3