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REVISIONS					
REV. NO.	ZONE:	DATE:	ECN NO.	APPVD:	DESCRIPTION
08	-	05/2005	-	-	UPDATED CODE REF., SPECIFIED OPTIONAL ACRYLIC.
09	-	10/2005	-	-	ADDED ROLLER OPTION
10	-	11/2008	-	-	ADDED MPC; UPDATED JAMB ATTACHMENTS.
11	-	02/2012	-	-	UPDATED WINDCODE CHART
12	-	12/2019	-	-	UPDATED CONCRETE JAMB FASTENER DETAILS.
13	-	11/30/20	-	-	UPDATED TITLE BLOCK AND REMOVED WINDCODE CHART.

HORIZONTAL TRACK END HANGER BRACKET (SUPPLIED BY DOOR INSTALLER) CLOSES ROLLER CHANNEL. INTERMEDIATE HANGER REQUIRED FOR DOORS IF HORIZONTAL TRACK DEFLECTION EXCEEDS 1/240TH OF THE DOOR HEIGHT

UP TO 12'-2" WIDE X 18'-0" HIGH

NOTE: DOUBLE TRACK LOW HEADROOM, HI-LIFT TRACK, FOLLOW-THE-ROOF TRACK, AND VERTICAL LIFT TRACK ARE AVAILABLE OPTIONS. 3" TRACK ALSO AVAILABLE.

MODELS AVAILABLE (CLOPAY/ HOLMES/ IDEAL)

NON-INSULATED MODELS:

MODELS 525, 524, 520/ 225, 224/ C5EST, C5ST, C4ST, C0ST

VINYL BACKED INSULATION MODELS:

MODELS 525V, 524V/ - / C5ESV, C5SV, C4SV

INSULATED W/ STEEL BACKER MODELS

MODELS 525S, 524S, 520S/ 225S, 224S/ C5ESS, C5SS, C4SS, C0SS

THE OPTIONAL GLAZING SHOWN ON THIS DRAWING MEETS THE WIND LOAD REQUIREMENTS OF THE FLORIDA BUILDING CODE OR INTERNATIONAL BUILDING CODE BUT DOES NOT MEET THE IMPACT RESISTANT REQUIREMENT FOR WINDBORNE DEBRIS REGIONS (REF. CHAPTER 16 FBC/IBC)

SECTIONS ARE 1-7/8" THK PANELS ROLL FORMED OF .019" MIN. HOT DIPPED GALVANIZING, ROLL FORMED STEEL.

ADJUSTABLE TOP ROLLER BRACKET OF 12 GA. GALV. STEEL, INSTALLED ON DOOR WITH (4) #14 X 5/8" LG SHEET METAL SCREWS

3" X 20 GA. GALV STEEL U-BAR. ONE U-BAR PER DOOR SECTION, EXCEPT THERE ARE TWO U-BARS ON THE BOTTOM SECTION. U-BARS ATTACHED AT EACH STILE LOCATION WITH (2) 1/4" X 3/4" SELF-TAPPING SCREWS.

OPTIONAL ACRYLIC IS PLASKOLITE OPTIX, AN APPROVED CC2 PLASTIC IN COMPLIANCE WITH IBC/FBC 2606.

OPTIONAL 24" X 6" POLYPROPYLENE SCREW TOGETHER FRAME TYPE DSB OR 1/8" ACRYLIC WINDOW LITES AVAILABLE.

END HINGES OF MIN. 14 GA. GALV. STEEL, FASTENED WITH (4) #14 X 5/8" LG. SHT. MTL. SCREWS AND (4) 1/4"X3/4" SELF-TAPPING SCREWS.

2" 10 BALL SHORT STEM STEEL ROLLER WITH STEEL OR NYLON TIRE

BOTTOM ROLLER BRACKET OF 13 GA. GALV. STEEL, FASTENED WITH (4) #14 X 5/8" LG SHT. MTL. SCREWS

SCOTT HAMILTON, P.E. FLORIDA P.E. #63286

DESIGN LOADS: +25 & -25 P.S.F.
TEST LOADS +37.5 & -37.5 P.S.F.

MANUFACTURING PRODUCT CODE:
MPC: C-PAN-1E458

WINDLOAD RATING
W4

Clopay
CORPORATION

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

DESCRIPTION: COMMERCIAL RIBBED DOOR, 12' 2" WIDTH, +/- 25 PSF DESIGN LOAD

DRAWN BY: RJK DATE: 3/24/99 SCALE: NOTED DWG. B

CHECKED BY: MWW DATE: 3/99 SHEET 1 OF 1 SIZE

DWG. NO.: 101856 VER: IBC

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MODELS AVAILABLE (CLOPAY/ HOLMES/ IDEAL)

NON-INSULATED MODELS:

MODELS 525, 524, 520/ 225, 224/ C5EST, C5ST, C4ST, C0ST

VINYL BACKED INSULATION MODELS:

MODELS 525V, 524V/ - / C5ESV, C5SV, C4SV

INSULATED W/ STEEL BACKER MODELS

MODELS 525S, 524S, 520S/ 225S, 224S/ C5ESS, C5SS, C4SS, C0SS

DOOR HEIGHT 'A'	NUMBER OF SECTIONS
UP TO 8'-0"	4
8'-3" THRU 10'-0"	5
10'-3" THRU 12'-0"	6
12'-3" THRU 14'-0"	7
14'-3" THRU 16'-0"	8
16'-3" THRU 18'-0"	9

DOOR WIDTH	NUMBER OF CENTER STILES
UP TO 9'-2"	1
9'-3" THRU 12'-2"	2

3" x 20 GA. GALV. STEEL U-BAR. ONE U-BAR PER DOOR SECTION, EXCEPT THERE ARE TWO U-BARS ON THE BOTTOM SECTION. U-BARS ATTACHED AT EACH STILE LOCATION WITH (2) 1/4" X 3/4" SELF-TAPPING SCREWS.

OPTIONAL ALUMINUM FULL VISION WINDOW LITE SECTIONS AVAILABLE (1/8" DSB, 1/8" ACRYLIC, OR 1/4" WIRE) FULL VISION SECTIONS TO HAVE 2" X 2" X 1/8" L-ANGLE HORIZONTAL REINFORCEMENT. L-ANGLES ATTACHED TO THE REINFORCING RIB WITH (2) 1/4"-20 X 5/8" HEX HEAD BOLTS AND NUTS AT EVERY HINGE LOCATION.

TWO POINT LOCKING REQ'D

SECTION 1 - 1

BOTTOM SECTION REINFORCED WITH TEMPERED ALUMINUM EXTRUSION WITH INTEGRAL RETAINER FOR FLEXIBLE VINYL ASTRAGAL

THE DESIGN OF THE SUPPORTING STRUCTURAL ELEMENTS IS THE RESPONSIBILITY OF THE BUILDING ENGINEER OR ARCHITECT OF RECORD.

CLOPAY CORP.
ALL RIGHTS RESERVED.

Third Angle Projection

Unless Stated Otherwise
TOLERANCES are
.0 = ±.031
.00 = ±.015
.000 = ±.005
.0000 = ±.001
Degrees = ±1/2°

Unless Stated Otherwise
DIMENSIONS ARE IN INCHES.

SIDE ELEVATION STANDARD-LIFT TRACK DETAILS

18 GA. MIN. GALV. CENTER STILE. FASTENED TO DOOR SKIN WITH TOG-L-LOC SYSTEM.

18 GA. MIN. GALV. END STILE. FASTENED TO DOOR SKIN WITH TOG-L-LOC SYSTEM.

14 GA. GALV. CENTER HINGE FASTENED WITH (4) #14X5/8" SHEET METAL SCREWS.

SECTION 2-2

#14X5/8" SHEET METAL SCREWS QTY (4) ALONG CENTER OF EACH HINGE

14 GAUGE END HINGES

1/4"X3/4" SELF TAPPING SCREWS. QTY. (4) ALONG CORNERS OF EACH HINGE

#14X5/8" SHEET METAL SCREWS QTY (4) ALONG CENTER OF EACH HINGE

14 GAUGE CENTER HINGES

3/16" MIN. STEEL JAMB

MAY BE BACK-FILLED WITH CONCRETE, BUT NOT REQUIRED.

1/8"x1" LONG FILLET WELD (E60XX ELECTRODE MIN.). WELD TO BE LOCATED VERTICALLY ON ANGLE AT 24" CENTER AND TACK WELD TOE OF ANGLE AT SAME SPACING.

12 GA. GALV. REVERSE OR CONTINUOUS ANGLE MOUNT TRACK FASTENED DIRECTLY TO STEEL JAMB.

WELDING

STEEL JAMBS

SELF-TAPPING SCREWS

3/16" MIN. STEEL JAMB

1/4"x3/4" SELF TAPPING SCREW. 24" MAX. O.C. TO SECURE ANGLE TO STEEL JAMB.

MAY BE BACK-FILLED WITH CONCRETE, BUT NOT REQUIRED FOR SELF TAPPING SCREW.

REVERSE OR CONTINUOUS ANGLE MOUNT TRACK FASTENED DIRECTLY TO STEEL JAMB.

WOOD JAMBS

3/8"x1-1/2" MIN. EMBED LAG SCREW. 24" MAX. O.C. TO SECURE 2x6 WOOD JAMB TO WOOD STRUCTURE.

1-1/8" DIA. WASHER REQ'D. C'SINK IF NEEDED.

BRACKET MOUNT OR CONTINUOUS ANGLE MOUNT TRACK FASTENED TO 2x6 #2 OR BETTER YELLOW PINE JAMB WITH ONE 5/16"x1-5/8" LG. LAG SCREW PER BRACKET OR TRACK CLIP LOCATION.

WOOD JAMB ON CONCRETE

2,000 PSI MIN CONCRETE

3/8"x2" MIN. EMBED SLEEVE ANCHOR. 1-1/4" WASHER REQUIRED. 24" MAX. ON-CENTER SPACING TO SECURE ANGLE TO CONCRETE. 2-5/8" MIN. EDGE DISTANCE. C'SINK IF REQUIRED.

BRACKET MOUNT OR CONTINUOUS ANGLE MOUNT TRACK FASTENED TO 2x6 #2 OR BETTER YELLOW PINE JAMB WITH ONE 5/16"x1-5/8" LG. LAG SCREW PER BRACKET OR TRACK CLIP LOCATION.

CONCRETE JAMBS

2,000 PSI MIN CONCRETE

1/4"x2" MIN. EMBED SELF-TAPPING CONCRETE ANCHOR. 1-1/4" WASHER REQUIRED. 24" MAX. ON-CENTER SPACING TO SECURE ANGLE TO CONCRETE. 1-5/8" MIN. EDGE DISTANCE.

REVERSE OR CONTINUOUS ANGLE MOUNT TRACK FASTENED DIRECTLY TO CONCRETE.