

MODELS	27 GA SHORT	27 GA FLUSH	27 GA LONG
CLOPAY	2050, 4050	2051, 4051	4053, 2053
HOLMES	62, 62G, 62LG, 6130	65, 6131	64, 64G, 6133
IDEAL	SDP38, 135	SFL38, 136	SRP38, 134

DOOR HEIGHT	# OF SECTIONS
UP TO 7'0"	4
7'3" TO 8'9"	5
9'0" TO 10'6"	6
10'9" TO 12'3"	7
12'6" TO 14'0"	8
14'3" TO 15'9"	9
16'0"	10
MAX SECTION HEIGHT: 21'	

REV	DATE	DESCRIPTION
00	6/2013	WAS DRAWING 101654AB-REV14.
01	8/6/20	UPDATED TITLE BLOCK AND REMOVED WIND CHART

OPTIONAL 1/8" ACRYLIC OR DSB GLASS LITES AVAILABLE. OPTIONAL ACRYLIC GLAZING IS PLASKOLITE OPTIX OR LUCITE CP APPROVED CC2 PLASTIC IN ACCORDANCE WITH IBC/FBC 2606 (SEE SECTION B-B). SHORT AND LONG LITES APPROVED. GLAZING IS NOT IMPACT RESISTANT.

IMPACT-RESISTANT ASSEMBLY DETAILS
DRAWING 104814-A

IMPACT-RESISTANT CONSTRUCTION:
SOLID DOORS (NO GLAZING) ARE IMPACT-RESISTANT. THE 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.

NOTE: TRACK CONFIGURATION ABOVE THE DOOR OPENING DOES NOT AFFECT THE WIND LOAD RATING OF THIS DOOR.

VERTICAL JAMB ATTACHMENT (GROUT-FILLED CMU BLOCK OR 2,000 PSI MIN. CONCRETE COLUMN):
3/8"x4" SLEEVE ANCHORS (1-1/2" EMBED) ON 20" CENTERS (2,000 PSI MIN. CONCRETE) OR 1/4"x3" TAPCON SCREWS ON 17" CENTERS (2,000 PSI MIN. CONCRETE) OR 9" CENTERS (GROUT-FILLED CMU BLOCK). WASHERS INCLUDED WITH SLEEVE ANCHORS, 1" O.D. WASHERS REQUIRED WITH TAPCONS. ANCHORS MAY BE (BUT NOT REQUIRED) COUNTERSUNK TO PROVIDE A FLUSH MOUNTING SURFACE. HORIZONTAL JAMBS DO NOT TRANSFER LOAD.

1 POUND DENSITY EXPANDED POLYSTYRENE FOAM INSULATION LAMINATED TO BOTH EXTERIOR AND INTERIOR SKINS.

12 GA. GALV. STEEL TOP BOLLER BRACKET. EACH BRACKET ATTACHED WITH (4) #14x5/8" SHEET METAL SCREWS.

27 GA. STEEL MIN. EXTERIOR SKIN WITH G-40 GALVANIZING, BAKED-ON PRIMER AND A BAKED-ON POLYESTER PAINTED TOP COAT.

14 GA. GALV. STEEL ROLLER HINGE. EACH FASTENED TO END STILES W/(4) #14x5/8" SHEET METAL SCREWS AND (4) 1/4"x3/4" SELF TAPPING SCREWS.

TONGUE AND GROOVE JOINTS.

3" 50 KSI U-BARS IN A 2-1-2-1-2 PATTERN. EACH U-BAR ATTACHED AT EACH HINGE LOCATION WITH (2) 1/4"x3/4" SELF TAPPING SCREWS.

1-3/8" THICK

13 GA. GALV. STEEL BOTTOM BRACKET. ATTACHED WITH (2) #14x5/8" SHEET METAL SCREWS.

29 GA. STEEL MIN. INTERIOR SKIN WITH G-40 GALV., BAKED-ON PRIMER AND A BAKED-ON POLYESTER TOP COAT.

ALUMINUM EXTRUSION & VINYL WEATHERSTRIP.

SECTION A-A

NOTE: FOR DOORS OVER 8'-0" HIGH, TRACK CONFIGURATION SHALL NOT EXCEED MAXIMUM SPACING PROVIDED. CONSULT FACTORY FOR MORE DETAIL IF RQD.

TRACK CONFIGURATION

NOTE: DOUBLE TRACK LOW HEADROOM IS AVAILABLE AS AN OPTION

2" GALV. STEEL TRACK, TRACK THICKNESS: .060"

TYP. 2-1/2"x12 GA. GALV. STEEL TRACK BRACKET. (4) TRACK BRACKET PER SIDE UP TO 8'. DISTANCE BETWEEN BRACKETS NOT TO EXCEED 30" O.C.

DOOR HEIGHT	"L"
6'-6"	70"
7'-0"	76"
7'-6"	82"
8'-0"	88"

SNAP LATCH ENGAGES ONTO VERTICAL TRACK. ONE SNAP LATCH ON EACH SIDE OF DOOR.

END STILE

OUTSIDE KEYED LOCK LOCK BAR LOCKING

LOCK BAR ENGAGES IN TRACK ON EACH SIDE OF DOOR.

OUTSIDE KEYED LOCK SNAP LATCH LOCK OPTION

INSIDE HANDLE

(4) #14 SHEET METAL SCREWS

(4) 1/4" DIA. SELF TAPPING SCREWS

14 GA. END HINGE

18 GA. INTERMEDIATE HINGE

LHR TOP BRACKET

DOUBLE HORIZONTAL TRACK

DOUBLE TRACK LOW HEADROOM OPTION

STOP MOULDING BY DOOR INSTALLER (TO SUIT)

20 GA. MIN. GALV. STEEL END STILE

12 GA. GALV. STEEL TRACK BRACKET FASTENED TO WOOD JAMB WITH ONE 5/16"x1-5/8" WOOD LAG SCREW PER BRACKET.

2" GALV. STEEL TRACK FASTENED TO TRACK BRACKETS. EACH BRACKET ATTACHED WITH ONE 1/4"x5/8" BOLT & NUT OR TWO 1/4" RIVETS.

14 GA. GALV. STEEL ROLLER HINGE FASTENED TO END STILES W/(4) EACH #14x5/8" SHEET METAL SCREWS AND (4) 1/4"x3/4" SELF TAPPING SCREWS.

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

SECTION C-C

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 THIS DRAWING.

Clopay CORPORATION

CLOPAY CORPORATION

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MANUFACTURING PRODUCT CODE: MPC: DSIE-1A171	WINDLOAD RATING W6 DP36	MAX. SIZE: 9'0" x 16'0"
DATE: 7/16/96	DESCRIPTION: MODEL 2050/4050/4053: 36 PSF DESIGN	
DRAWN BY: MWW	DRAWING NUMBER: B 104814-A	
CHECKED BY:		

Jim Wheeler

DESIGN ENGINEER:
JAMES D. WHEELER, P.E.
FLORIDA LICENSE No. 91932

DESIGN LOADS: +36.0 P.S.F. & -44.0 P.S.F.
TEST LOADS: +54.0 P.S.F. & -66.0 P.S.F.

FLORIDA PRODUCT APPROVAL 48386.9