

MODELS	27 GA SHORT	27 GA FLUSH	27 GA LONG	DOOR HEIGHT	# OF SECTIONS	REV	DATE	DESCRIPTION
CLOPAY	2050, 4050	2051, 4051	4053, 2053	UP TO 7'0"	4	00	6/2013	WAS DRAWING 101654AB-REV14.
HOLMES	62, 62G, 62LG, 6130	65, 6131	64, 64G, 6133	7'3" TO 8'9"	5	01	8/6/20	UPDATED TITLE BLOCK AND REMOVED WIND CHART
IDEAL	SDP38, 135	SFL38, 136	SRP38, 134	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"				

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.

MAX. DOOR HEIGHT = 48'-0" (FOUR SECTION DOORS)

MAX. DOOR WIDTH = 9'-0" (INSIDE ELEVATION)

(SHORT PANEL SHOWN)

SEE END HINGE DETAIL

SEE INTERMED. HINGE DETAIL

TWO POINT LOCKING INTO TRACK END STILE

SLIDE BOLT LOCK ENGAGES INTO VERTICAL TRACK. ONE LOCK ON EACH SIDE OF DOOR.

OPTIONAL OUTSIDE KEYED LOCK POSITION

INSIDE SLIDE BOLT LOCK OPTION

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

END STILE

OUTSIDE HANDLE

OUTSIDE KEYED HANDLE

LOCK BAR ENGAGES IN TRACK ON EACH SIDE OF DOOR.

INSIDE HANDLE

OUTSIDE KEYED LOCK LOCK BAR LOCKING

OUTSIDE KEYED LOCK SNAP LATCH LOCK OPTION

(4) #14 SHEET METAL SCREWS

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

14 GA. END HINGE

18 GA. INTERMEDIATE HINGE

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.

18 GA. MIN. GALV. STEEL CENTER HINGE FASTENED TO BACK OF DOOR W/(4) EACH #14x5/8" SHEET METAL SCREWS.

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.

SECT C-C

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.

HORIZONTAL TRACK SUPPORT BY DOOR INSTALLER (TO SUIT)

13 GA. GALV. STEEL FLAG BRACKET. EACH FASTENED TO WOOD JAMB WITH (3) 5/16"x1-5/8" WOOD LAG SCREW.

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"

LHR TOP BRACKET

DOUBLE HORIZONTAL TRACK

DOUBLE TRACK LOW HEADROOM OPTION

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.

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

VERTICAL JAMB ATTACHMENT (WOOD FRAME BUILDINGS):
3/8"x3" LAG SCREWS (1-1/2" EMBED) ON 24" CENTERS. LAG SCREWS MUST USE 1" O.D. WASHER. LAG SCREWS MAY BE (BUT NOT REQUIRED) COUNTERSUNK TO PROVIDE A FLUSH MOUNTING SURFACE. HORIZONTAL JAMBS DO NOT TRANSFER LOAD.

STANDARD ASSEMBLY CONSTRUCTION:
OPTIONAL DSB OR 1/8" ACRYLIC LITES AVAILABLE. OPTIONAL ACRYLIC GLAZING IS PLASKOLITE OPTIX OR LUCITE CP APPROVED CC2 PLASTIC IN ACCORDANCE WITH IBC/FBC 2606. THE ENTIRE DOOR ASSEMBLY INSTALLED IN COMPLIANCE WITH THIS SECTION 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).

STANDARD ASSEMBLY DETAILS
DRAWING 104814-B

FRONT FRAME WITH U.V. COATING ON OUTSIDE SURFACE.

GLAZING

MOLDED INSIDE LITE RETAINER.

SECTION B-B

STANDARD GLAZING (NOT IMPACT RESISTANT)

#8x3/4" PAN HEAD SCREW

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.

SECT A-A

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.

DESIGN ENGINEER:
SCOTT HAMILTON, P.E.
FLORIDA LICENSE No. 63286

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

	CLOPAY CORPORATION 8585 DUKE BLVD. MASON, OH 45040 (513) 770-4800 Clopay Corporation All Rights Reserved.	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		
	CHECKED BY:			