

MODELS AVAILABLE (CLOPAY/ HOLMES/ IDEAL)

MODELS 524, 520/ 224/ C4ST, C0ST

INSULATED MODELS 524S, 520S, 524V/ 224S/ C4SS, C0SS, C4SV

MAX 8'-2" WIDE 18'-0" HIGH

REVISIONS

| REV. NO. | ZONE: | DATE:    | ECN NO. | APPVD: | DESCRIPTION                                     |
|----------|-------|----------|---------|--------|-------------------------------------------------|
| 08       | -     | 05/2005  | -       | -      | UPDATE CODE REF., SPECIFIED OPTIONAL ACRYLIC.   |
| 09       | -     | 08/2005  | -       | -      | REVISED STRUT DESCRIPTION                       |
| 10       | -     | 10/2005  | -       | -      | ADDED ROLLER OPTION                             |
| 11       | -     | 11/2008  | -       | -      | ADDED MPC; UPDATED JAMB ATTACHMENT.             |
| 12       | -     | 02/2012  | -       | -      | UPDATED WINDCODE CHART                          |
| 13       | -     | 11/30/20 | -       | -      | UPDATED TITLE BLOCK AND REMOVED WINDCODE CHART. |

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

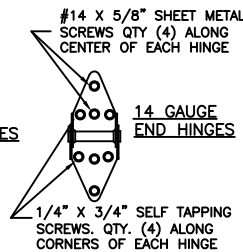
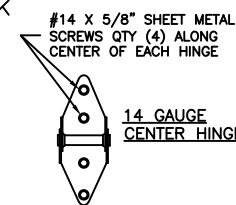
HORIZONTAL TRACK END HANGER BRACKET (SUPPLIED BY DOOR INSTALLER) CLOSES ROLLER CHANNEL. INTERMEDIATE HANGER REQUIRED FOR DOORS IF HORIZONTAL TRACK DEFLECTION EXCEEDS 1/240TH OF THE DOOR HEIGHT

GALV STEEL TRACK SECTIONS-  
HORIZONTAL - 14 GA. MIN.

GALVANIZED STEEL TRACK SECTIONS  
VERTICAL - .060 MIN

VERTICAL TRACK CAN BE EITHER BRACKET MOUNT, CONTINUOUS ANGLE OR REVERSE ANGLE TRACK. ALL TRACK BRACKETS AND TRACK CLIPS ARE 12 GA. GALV. STEEL. BRACKETS AND CLIPS ARE ATTACHED TO TRACK WITH EITHER TWO 1/4" RIVETS OR ONE 1/4" BOLT.

| 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                  |



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.

2-1/4" x 20 GA. GALV. STEEL U-BAR. ONE U-BAR PER DOOR  
SECTION U-BARS ATTACHED AT EACH STILE LOCATION WITH  
(2) 1/4" x 3/4" SELF-TAPPING SCREWS

OPTIONAL INSULATION  
(SEE MODEL EXPLANATION)

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.

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

TWO POINT LOCKING REQ'D

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

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

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

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.

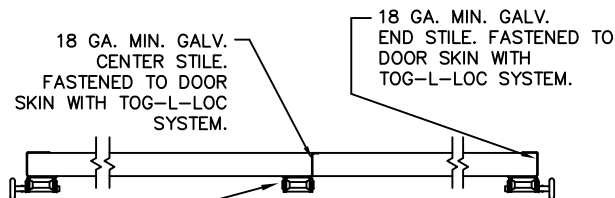
2" 10 BALL SHORT STEM STEEL ROLLER WITH STEEL OR NYLON TIRE

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

SECTION 1-1

DESIGN LOADS: +30 & -30 P.S.F.  
TEST LOADS +45 & -45 P.S.F.

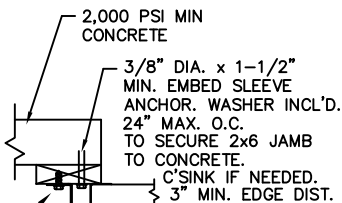
SIDE ELEVATION  
STANDARD-LIFT TRACK DETAILS



SECTION 2-2

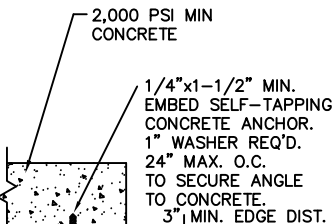
ANCHOR NOTE: FIRST (BOTTOM) ANCHOR STARTING AT NO MORE THAN HALF OF THE MAXIMUM ON-CENTER DISTANCE. HIGHEST ANCHOR INSTALLED AT LEAST AS HIGH AS THE DOOR OPENING.

WOOD JAMB ON CONCRETE

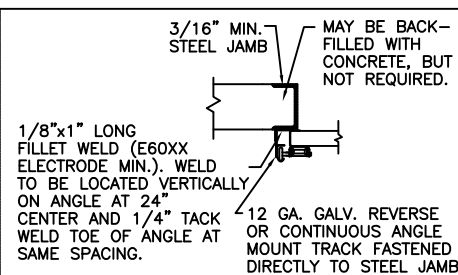


BRACKET MOUNT OR CONTINUOUS ANGLE MOUNT TRACK FASTENED TO 2x6 #2 OR BETTER YELLOW PINE JAMB WITH ONE 5/16"x1-5/8" LG. LAG SCREW PER BRACKET OR TRACK CLIP LOCATION.

CONCRETE JAMBS



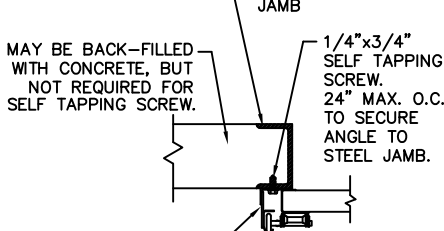
REVERSE OR CONTINUOUS ANGLE MOUNT TRACK FASTENED DIRECTLY TO CONCRETE.



WELDED

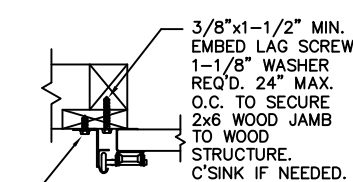
STEEL JAMBS

SELF-TAPPING SCREWS



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

WOOD JAMBS



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.

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

MARK WESTERFIELD, P.E.  
FLORIDA P.E. #48495, NC P.E. #23832,  
TEXAS P.E. #91513

Unless Stated Otherwise  
TOLERANCES are

.0 = ±.031  
.00 = ±.015  
.000 = ±.005  
.0000 = ±.001  
Degrees = ±1/2°

Unless Stated Otherwise  
DIMENSIONS ARE IN INCHES.

**Clopay**  
CORPORATION

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

DESCRIPTION: COMMERCIAL RIBBED DOOR, 8' 2" WIDTH, +/- 30 PSF DESIGN LOAD

DRAWN BY: RJK

DATE: 4/19/99

SCALE: NOTED

DWG. NO. 101874

CHECKED BY: MWW

DATE: 4/99

SHEET 1 OF 1

SIZE B

FLORIDA PRODUCT APPROVAL 5678.17