

4

5

2

1

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)  
MODELS 524, 520/ 224/ C4ST, C0ST  
INSULATED MODELS 524S, 520S, 524V/ 224S/ C4SS, C0SS, C4SV

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

CAST ALUMINUM CABLE DRUM

GALV STEEL HORIZONTAL TRACK MIN. 14GA.

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.

OPENING HEIGHT

24" TYPICAL CTR-CTR  
10"

L 3 1/2

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

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

2,000 PSI MIN CONCRETE  
3/8" DIA. x 1-1/2" MIN. EMBED SLEEVE ANCHOR. WASHER INCL'D. 22" MAX. O.C. TO SECURE 2x6 JAMB TO CONCRETE.  
C/SINK IF NEEDED. 3" MIN. EDGE DIST.  
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"x1-1/2" MIN. EMBED SELF-TAPPING CONCRETE ANCHOR. 1" WASHER REQ'D. 19" MAX. O.C. TO SECURE ANGLE TO CONCRETE.  
3" MIN. EDGE DIST.  
REVERSE OR CONTINUOUS ANGLE MOUNT TRACK FASTENED DIRECTLY TO CONCRETE.

STEEL JAMBS

SELF-TAPPING SCREWS

MAY BE BACK-FILLED WITH CONCRETE, BUT NOT REQUIRED FOR SELF TAPPING SCREW.  
3/16" MIN. STEEL JAMB  
1/4"x3/4" SELF TAPPING SCREW. 24" MAX. O.C. TO SECURE ANGLE TO STEEL JAMB.  
REVERSE OR CONTINUOUS ANGLE MOUNT TRACK FASTENED DIRECTLY TO STEEL JAMB.

WOOD JAMBS

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

MAX 12'-2" WIDE X 18'-0" HIGH

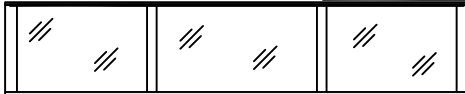
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REVISIONS

| REV. NO. | ZONE: | DATE:    | ECN NO. | APPVD: | DESCRIPTION                                     |
|----------|-------|----------|---------|--------|-------------------------------------------------|
| 06       | C2    | 02/2003  | -       | -      | REVISED FULL VISION REINFORCEMENT & ATTACHMENT  |
| 07       | D4    | 10/2003  | -       | -      | UPDATED JAMB ATTACHMENT INFO                    |
| 08       | -     | 05/2005  | -       | -      | UPDATED CODE REF., SPECIFIED OPTIONAL ACRYLIC.  |
| 09       | -     | 10/2005  | -       | -      | ADDED ROLLER OPTION                             |
| 10       | -     | 11/2008  | -       | -      | UPDATED JAMB ATTACHMENT; ADDED MPC.             |
| 11       | -     | 02/2012  | -       | -      | UPDATED WINDCODE CHART                          |
| 12       | -     | 11/30/20 | -       | -      | UPDATED TITLE BLOCK AND REMOVED WINDCODE CHART. |

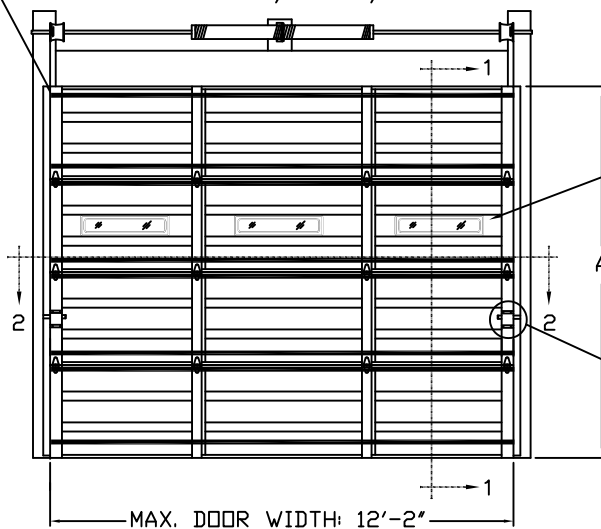
SECTIONS ARE 1-7/8" THK PANELS ROLL FORMED OF .022" MIN. HOT DIPPED GALVANIZING, ROLL FORMED STEEL.

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)



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.

3" x 20 GA. GALV. STEEL U-BAR. TWO U-BARS PER DOOR SECTION. U-BARS ATTACHED AT EACH STILE LOCATION WITH TWO 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 TYPE DSB OR 1/8" ACRYLIC WINDOW LITES AVAILABLE.

TWO POINT LOCKING REQ'D

SECTION 1 - 1

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

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

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

3" 20-GA. U-BARS. (2) U-BARS PER SECTION. U-BARS ATTACHED AT EACH STILE LOCATION WITH (2) 1/4" X 3/4" SELF-TAPPING SCREWS.

END HINGES OF MINIMUM 14 GA. GALV. STEEL, FASTENED WITH (4) #14 X 5/8" LG. SHT. MTL. SCREWS AND (4) 1/4"x3/4" SELF-TAPPING SCREWS.

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

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

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

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

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.

**Clopay**  
CORPORATION

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Fax No. 513-770-4853

DESCRIPTION: COMMERCIAL RIBBED DOOR, +/- 30 PSF DESIGN LOAD

DRAWN BY: RJK

DATE: 4/15/99

SCALE: NOTED

DWG. SIZE B

CHECKED BY: MWW

DATE: 4/99

SHEET 1 OF 1

DWG. NO.: 101869

VER: IBC

MANUFACTURING PRODUCT CODE:  
MPC: C-PAN-1E448

WINDLOAD RATING  
W5

FLORIDA PRODUCT APPROVAL 5678.19