

STANDARD-LIFT TRACK DETAILS

MAX 14'-2" WIDE X 18'-0" HIGH

MODELS AVAILABLE (CLOPAY/ HOLMES/ IDEAL)  
MODELS 524W8, 520W8, 224W8, C4STW8, C0STW8

REVISIONS

REV. NO.	ZONE:	DATE:	ECN NO.	APPVD:	DESCRIPTION
01	-	5/2005	-	-	CODE REFERENCE CHANGES
02	-	12/2008	-	-	ADDED MPC.
03	-	08/2012	-	-	REVISED FOR TDI

NOTE: DOUBLE TRACK 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

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

1" OVERLAP (EACH SIDE)

OPTIONAL STOP MOULDING BY DOOR INSTALLER (TO SUIT).

16 GA. MIN. GALV. STEEL END STILE FASTENED TO DOOR SKIN WITH TOG-L-LOC SYSTEM AT TOP, BOTTOM AND CENTER.

18 GA. MIN. GALV. STEEL INTERMEDIATE STILE FASTENED TO DOOR SKIN WITH TOG-L-LOC SYSTEM AT TOP, BOTTOM AND EACH MAJOR RIB.

SOUTHERN YELLOW PINE JAMB BY OTHERS

14 GA. GALV. STEEL INTERMEDIATE HINGE. (SEE VIEW 'B')

7/16" PUSHNUT INSTALLED ON ROLLER SHAFT

14 GA. GALV. STEEL (END) HINGE. (SEE VIEW 'A')

2" LONG STEM ROLLERS FEATURE (10) 1/4" DIA. STEEL BALL BEARINGS FULL FLOATING IN CASE HARDENED STEEL RACES

ONE 5/16" x 1-5/8" LAG SCREW SPACED AT THE SAME DISTANCES AS THE TRACK BOLTS (I.E. 3-1/2", 10", AND EVERY 12" ALSO TWO LAG SCREWS LOCATED ABOVE VERTICAL/HORIZONTAL TRACK JUNCTION.

14" MAXIMUM SPACING FROM LAST MOUNTING SLOT TO TRACK JUNCTION

GALVANIZED STEEL TRACK SECTIONS VERTICAL - 0.083 MIN

VERTICAL TRACK TO BE CONTINUOUS ANGLE OR REVERSE ANGLE TRACK, 1-3/4"x2-1/4"x12 GA MIN. ALL TRACK CLIPS ARE 2-1/2" x 12 GA. GALV. STEEL CLIPS AND ARE ATTACHED TO TRACK WITH EITHER TWO 1/4" RIVETS OR ONE 1/4" BOLT AND NUT.

OPENING HEIGHT

12" TYPICAL CTR-CTR

3 1/2"

AVAILABLE IN 3" TAPERED REVERSE ANGLE TRACK. TRACK BOLT AND LAG SCREW SPACING 3-1/2", 10" AND EVERY 12" AS NOTED ABOVE.

DOOR HEIGHT 'A'	NUMBER OF SECTIONS
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

MAX. SECTION HEIGHT: 24"

#14x5/8" SHEET METAL SCREWS

1/4"x3/4" SELF TAPPING SCREWS.

VIEW 'A'

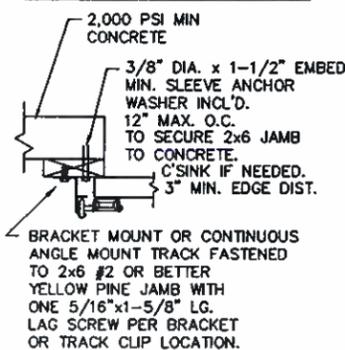
14 GA. DOUBLE END HINGES ATTACH ON EACH HINGE AS SHOWN: (4) #14 X 5/8" LG. SHT. MTL. SCREWS AND (2) 1/4"x3/4" SELF-TAPPING SCREWS.

VIEW 'B'

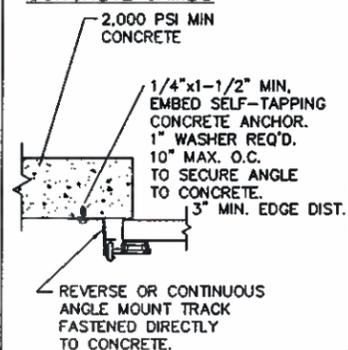
14 GA. INTERMEDIATE HINGE ATTACH ON EACH HINGE AS SHOWN: (4) 1/4" X 5/8" SHEET METAL SCREWS

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.

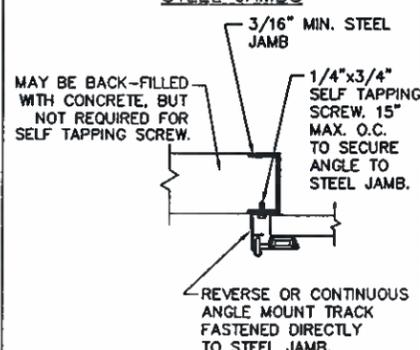
WOOD JAMB ON CONCRETE



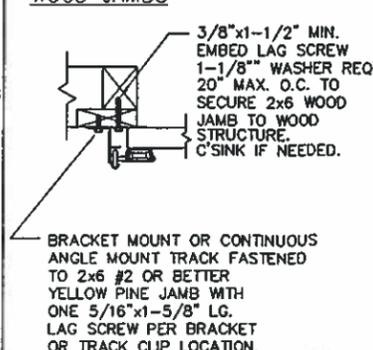
CONCRETE JAMBS



STEEL JAMBS

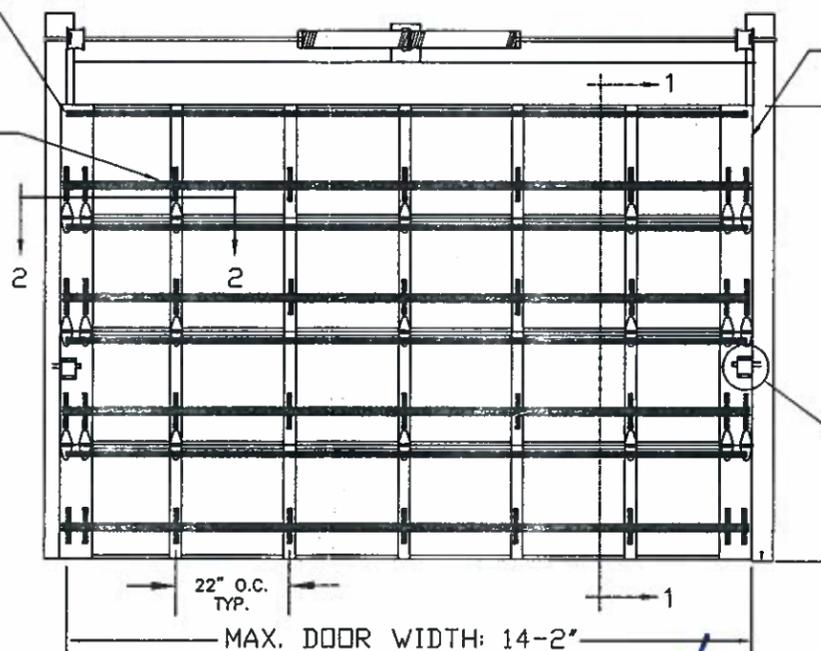


WOOD JAMBS



MAJOR RIBS NOT SHOWN FOR CLARITY

U-BAR. SEE SECTION 1-1 FOR MOUNTING DETAILS AND SPECIFICATION.  
C-CHANNEL. SEE SECTION 1-1 FOR MOUNTING DETAILS AND SPECIFICATIONS.



DOUBLE END STILE

TONGUE & GROOVE JOINT

MIN. TWO POINT LOCKING REQ'D. EACH SLIDE LOCK ATTACHED WITH (2) 1/4"x3/4" STS.

MAX. DOOR WIDTH: 14-2"

SECTION 1 - 1

SECTIONS ARE 1-7/8" THK PANELS ROLL FORMED OF .022" MIN. HOT DIPPED G-40 GALVANIZING, ROLL FORMED STEEL.

THIS DOOR MEETS THE REQUIREMENTS OF THE LARGE MISSILE IMPACT AND CYCLIC TESTING.

THIS DOOR MEETS OR EXCEEDS THE DESIGN LOADS FOR THE WIND SPEEDS LISTED BELOW ACCORDING TO THE FLORIDA BLDG. CODE OR IBC (ASCE7) FOR THE FOLLOWING CONDITIONS: 1) ENCLOSED BUILDING, 2) DOOR HAS 2' OF WIDTH IN BUILDING'S END ZONE, 3) IMPORTANCE FACTOR OF 1.0, 4) ROOF SLOPE LESS THAN 10°, AND 5) 50% SAFETY FACTOR.

WIND SPEED (MPH)	≤ 150
EXPOSURE LEVEL	B or C
MEAN ROOF HEIGHT	30'

3" TALL x 20 GA. GALV. STEEL U-BAR. MIN. YIELD STRENGTH 50KSI. ATTACHED ONE AT THE TOP OF EACH SECTION EACH U-BAR ATTACHED WITH (2) 1/4"x3/4" SELF TAPPING SCREWS PER STILE LOCATION.

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

ONE 4" 14 GA. C-CHANNEL PER DOOR SECTION. (1) 1/4" X 3/4" SELF TAPPING SCREW PER STILE. (SEE VIEW 'D')

1-1/4" WIDE X 16 GA. GALV. STRAP. (9) PER DOOR SECTION. EACH STRAP ATTACHED WITH (3) 1/4" X 3/4" SELF TAPPING SCREWS. TWO SCREWS TO DOOR, ONE SCREW TO C-CHANNEL.

END HINGE. SEE DETAILS AT VIEW 'A'.

VIEW 'D'  
4" TALL C-CHANNEL  
14 GA. GALV. STEEL  
MIN. YIELD STRENGTH 50KSI

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

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

MARK WESTERFIELD, P.E.  
FLORIDA P.E. No. 48495,  
NC P.E. #23832, TEXAS P.E. #91513

DESIGN LOADS: +50 & -56 P.S.F.  
TEST LOADS: +75 & -84 P.S.F.

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

Unless Stated Otherwise TOLERANCES are  
.0 = ±.031  
.00 = ±.015  
.000 = ±.005  
.0000 = ±.001  
Degrees = ±1/2'  
Unless Stated Otherwise DIMENSIONS ARE IN INCHES.

**Clopay**  
Building Products Company

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WINDLOAD RATING  
W8

DESCRIPTION: COMMERCIAL RIBBED DOOR, +50/-56 PSF DESIGN LOAD

DRAWN BY: BFA

DATE: 09/27/04

SCALE: N/A

DWG. B

CHECKED BY: MWW

DATE: 11/02/04

SHEET 1 OF 1

SIZE B

DWG. NO.: 103288

VER: IBC