

CLOPAY 3200W4, 3220W4, EX3200W4, EX3220W4
CORNELL EX3200LW4, EX3220LW4
COOKSON EX3200NW4, EX3220NW4
HOLMES 240W4

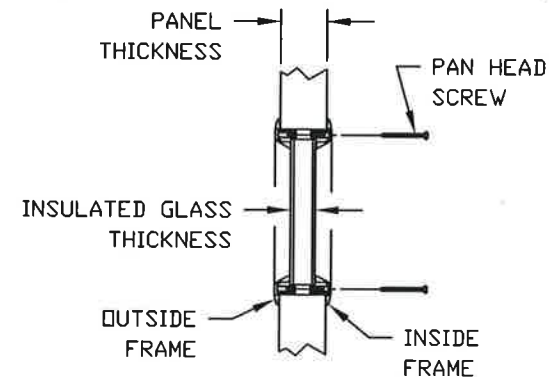
MAX. DOOR SIZE:
9'-2" WIDE X 18'-0" HIGH

SHEET:
1 OF 2

REVISIONS					
REV. NO.	ZONE:	DATE:	ECN NO.	APPVD:	DESCRIPTION
00	-	1/9/15	-	S.H.	INITIAL RELEASE
01	-	4/15/15	-	SH	REVISED FOR RELEASE.
02	-	6/2/20	-	SH	REVISED JAMB FASTENERS
03	-	8/10/20	-	SH	UPDATED TITLE BLOCK AND REMOVED WIND CHART
04	-	10/2021	-	SH	ADDED EX MODELS;

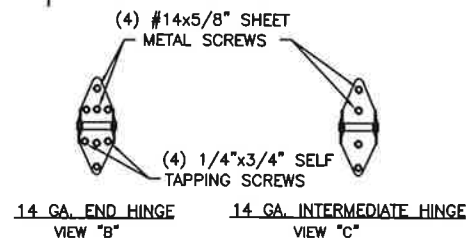
SECTION A-A (SIDE VIEW)

SECTION B-B
(STANDARD GLAZING OPTION)

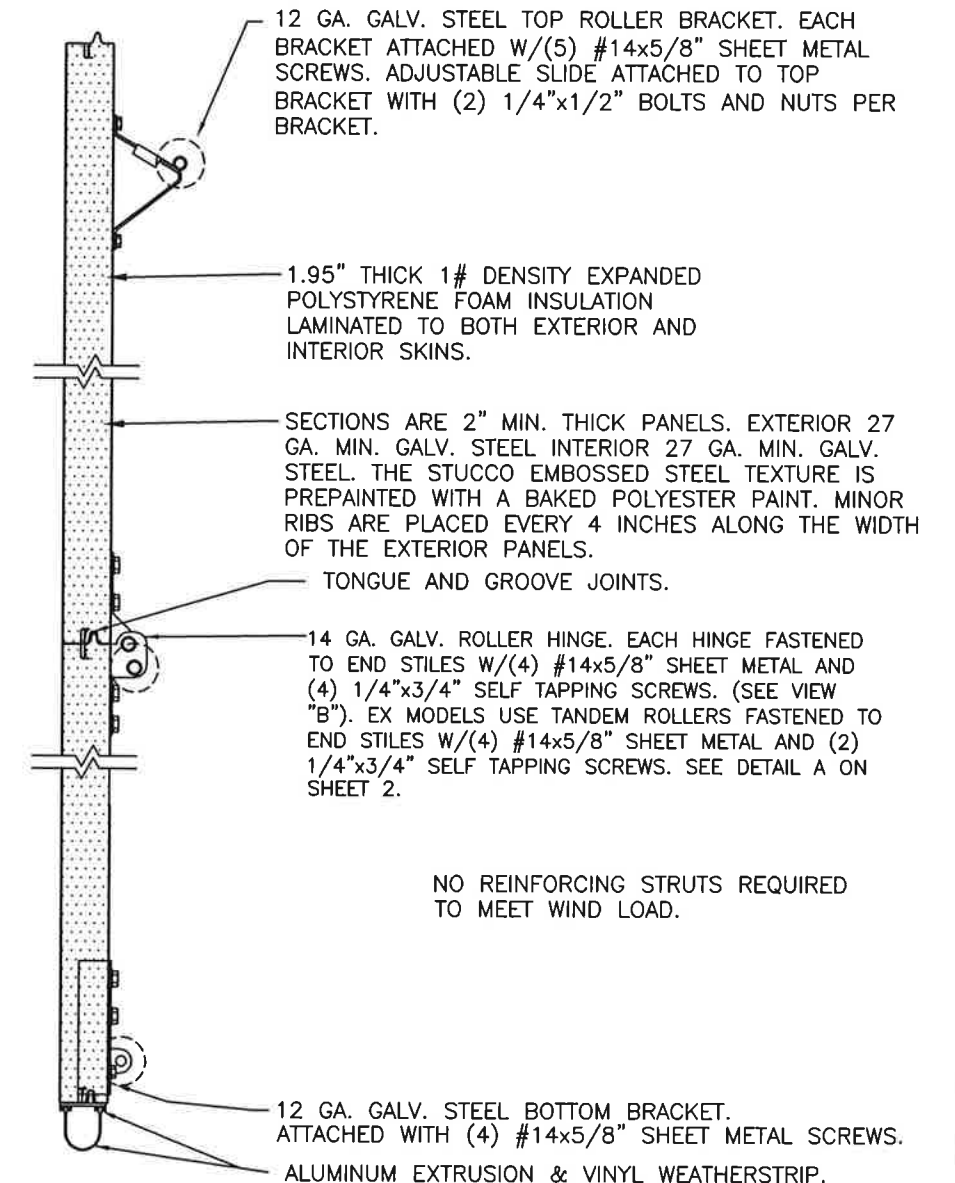


OPTIONAL ALUMINUM FULL VISION WINDOW LITE SECTIONS AVAILABLE (1/8" DSB, 1/8" ACRYLIC, 1/4" WIRE, 1/2" INSUL.). FULL VISION SECTIONS TO HAVE SAME REINFORCEMENT AS OTHER SECTIONS. OPTIONAL ACRYLIC IS PLASKOLITE OPTIX, AN APPROVED CC2 PLASTIC IN COMPLIANCE WITH IBC/FBC 2606.

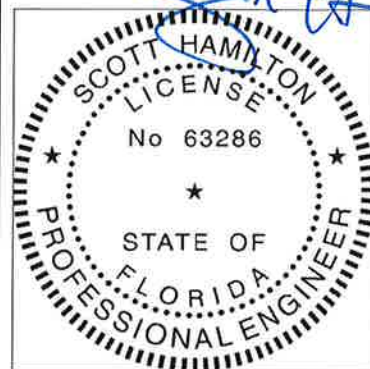
DOOR HEIGHT 'A'	NUMBER OF SECTIONS
8'-0"	4
9'-0"	5
10'-0"	5
11'-0"	6
12'-0"	6
13'-0"	7
14'-0"	7
15'-0"	8
16'-0"	8
17'-0"	9
18'-0"	9



HINGES USED ON BOTH STANDARD AND EX MODELS. EX MODELS REQUIRE DOUBLE END HINGES AND TANDEM ROLLERS. SEE DETAIL A ON SHEET 2.



NO REINFORCING STRUTS REQUIRED TO MEET WIND LOAD.



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

DESIGN LOADS: +25.0 PSF & -25.0 PSF
TEST LOADS: +37.5 PSF & -37.5 PSF

MANUFACTURING PRODUCT CODE
C-DSIE-1F477
PART NO.: N/A

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: 2" EPS COMM DOORS UP TO 9'2"W (SEE TABLE)

DRAWN BY: S.H. DATE: 9/16/14 SCALE: NTS DWG. B
CHECKED BY: S.H. DATE: 9/16/14 SHEET 1 OF 2 SIZE
DWG. NO.: 104994 VER: IBC

WINDLOAD RATING
W4 DP25

2 FLORIDA PRODUCT APPROVAL 17671

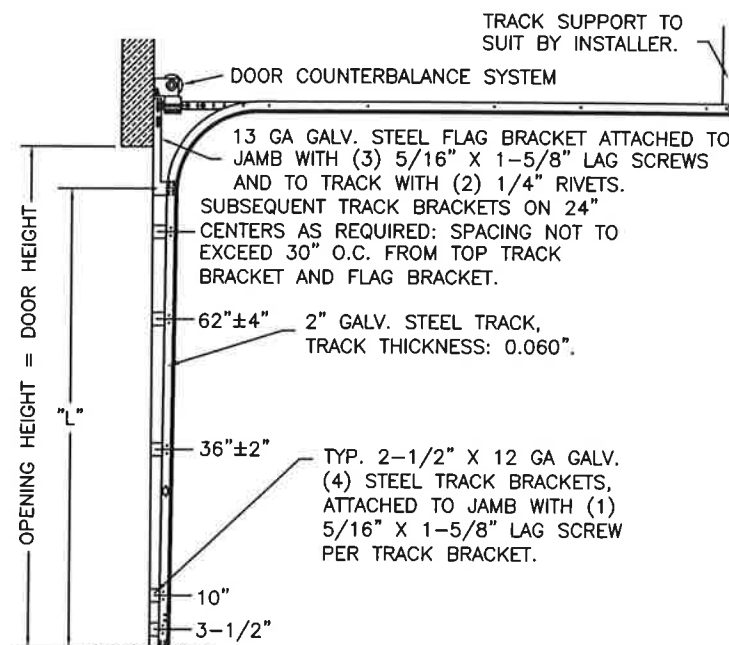
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CORNELL EX3200LW4, EX3220LW4
COOKSON EX3200NW4, EX3220NW4
HOLMES 240W4

SHEET:
2 OF 2

REVISIONS

REV. NO.	ZONE:	DATE:	ECN NO.	APPVD:	DESCRIPTION
04	-	-	-	-	SEE REVISION HISTORY ON SHEET ONE.

2" TRACK CONFIGURATION.



DOOR HEIGHT	"L"
6'-6"	70"
7'-0"	76"
7'-6"	82"
8'-0"	88"
8'-6"	94"
9'-0"	100"
9'-6"	106"
10'-0"	112"
10'-6"	118"
11'-0"	124"
11'-6"	130"
12'-0"	136"
12'-6"	142"
13'-0"	148"
13'-6"	154"
14'-0"	160"
14'-6"	166"
15'-0"	172"
15'-6"	178"
16'-0"	184"
16'-6"	190"
17'-0"	196"
17'-6"	202"
18'-0"	208"

NOTE: DOUBLE TRACK LOW HEADROOM, HI-LIFT TRACK, FOLLOW-THE-ROOF TRACK, AND VERTICAL LIFT TRACK ARE AVAILABLE OPTIONS. 2" AND 3" REVERSE ANGLE TRACK ALSO AVAILABLE.

TRACK CONFIGURATION ABOVE THE DOOR OPENING DOES NOT AFFECT THE WIND LOAD RATING.

JAMB CONFIGURATION.

SECTION C-C

BRACKET MOUNT JAMB CONFIGURATION

2x6 SYP WOOD JAMB. REQUIRED FOR BRACKET MOUNT.

2-1/2" X 12 GA GALV. STEEL TRACK BRACKETS FASTENED TO WOOD JAMBS WITH 5/8" X 1-5/8" LAG SCREWS NOT TO EXCEED 30" ON-CENTER.

2" GALV. STEEL TRACK FASTENED TO 12 GA GALV STEEL TRACK BRACKETS WITH EITHER (2) 1/4" DIA. RIVETS ONE 1/4" BOLT AND NUT.

OPTIONAL 1" OVERLAP EACH SIDE ON JAMB. MAX. OPENING WIDTH IS 9'0".

MIN. 18 GA. GALV. STEEL END STILE (END STILES HELD BY HINGE SCREWS). EX MODELS REQUIRE DOUBLE END STILES.

14 GA. GALV. STEEL CENTER HINGE FASTENED TO SECTION W/(4) EACH #14x5/8" SHEET METAL SCREWS.

14 GA. MIN. 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. EX MODELS USE TANDEM ROLLERS FASTENED TO END STILES W/(4) #14x5/8" SHEET METAL AND (2) 1/4"x3/4" SELF TAPPING SCREWS. SEE DETAIL A ON SHEET 2.

2" STEEL ROLLER. EX MODELS REQUIRE TANDEM ROLLERS. SEE DETAIL A.

PREPARATION OF JAMBS BY OTHERS.

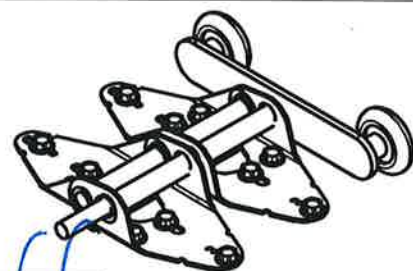
ANGLE MOUNT JAMB CONFIGURATION

2x6 SYP JAMB (IF PRESENT; SEE JAMB NOTES BELOW).

VERTICAL TRACK TO BE CONTINUOUS OR REVERSE ANGLE. 1-3/4" X 2-1/4" X 12 GA. WALL ANGLE. 12 GA. TRACK CLIPS ATTACHED TO WALL ANGLE WITH TWO 1/4" RIVETS PER CLIP. TRACK CLIPS ARE ATTACHED TO TRACK WITH EITHER TWO 1/4" RIVETS OR ONE 1/4" BOLT AND NUT. ONE 5/16" X 1-5/8" LAG SCREW AT EACH TRACK CLIP LOCATION. ALSO TWO LAG SCREWS LOCATED ABOVE VERTICAL/HORIZONTAL TRACK JUNCTION.

DETAIL A

EX MODELS REQUIRE TANDEM ROLLERS AND DOUBLE END HINGES. TOP AND BOTTOM ROLLERS ARE LONG STEM, SINGLE SHAFT.



TANDEM ROLLERS ATTACHED W/(4) #14x5/8" SHEET METAL SCREWS AND W/(2) 1/4"x3/4" SELF TAPPING SCREWS

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

INSIDE SLIDE BOLT LOCK OPTION.

VERTICAL JAMB ATTACHMENT (WOOD FRAME BUILDINGS):

3/8"x3" LAG SCREWS ON 24" CENTERS. 1-1/8" O.D. WASHER REQUIRED. LAG SCREWS MAY BE COUNTERSUNK (BUT NOT REQUIRED) TO PROVIDE A FLUSH MOUNTING SURFACE. HORIZONTAL JAMBS DO NOT TRANSFER LOAD.

VERTICAL JAMB ATTACHMENT (C-90 BLOCK OR 2,000 PSI MIN. CONCRETE COLUMN):

3/8"x3" SLEEVE ANCHOR BOLTS ON 24" CENTERS (2,000 PSI MIN. CONCRETE). WASHERS INCLUDED WITH SLEEVE ANCHORS.

OR

1/4"x3" TAPCON SCREWS ON 24" CENTERS (2,000 PSI MIN. CONCRETE) OR 24" CENTERS (GROUT-FILLED C-90 BLOCK). 1" O.D. WASHERS REQUIRED WITH TAPCONS. ANCHORS MAY BE COUNTERSUNK (BUT NOT REQUIRED) TO PROVIDE A FLUSH MOUNTING SURFACE. HORIZONTAL JAMBS DO NOT TRANSFER LOAD.

OTHER JAMB CONFIGURATIONS: REFER TO DASMA TDS-161. A LICENSED DESIGN PROFESSIONAL MAY ALSO BE EMPLOYED TO APPROVE ALTERNATE FASTENERS AND/OR JAMB CONFIGURATIONS.

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

OUTSIDE KEYED HANDLE.

INSIDE HANDLE

OUTSIDE KEYED LOCK WITH SNAP LATCH LOCK OPTION.

OUTSIDE HANDLE.

LOCK BAR ENGAGES IN TRACK ON EACH SIDE OF DOOR.

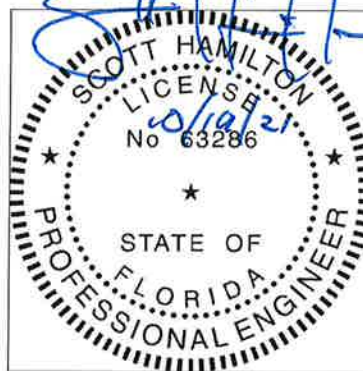
OUTSIDE KEYED LOCK WITH LOCK BAR LOCKING.

NOTE: 2x6 WOOD JAMBS ARE NOT REQUIRED WITH CONTINUOUS ANGLE MOUNT TRACK. HOWEVER, IF DESIRED ON STEEL JAMBS OR CONCRETE OR BLOCK WALLS, APPROVED FASTENERS AS DETAILED BELOW SHOULD BE INCREASED IN LENGTH BY 1-1/2" AND INSTALLED DIRECTLY THROUGH THE ANGLE AND 2x6 WOOD JAMBS INTO THE STEEL JAMBS OR CONCRETE OR BLOCK WALLS. ANCHORS CAN BE (BUT ARE NOT REQUIRED TO BE) COUNTERSUNK TO PROVIDE A FLUSH MOUNTING SURFACE. CONTINUOUS ANGLE TRACK CAN BE ANCHORED DIRECTLY TO GROUT REINFORCED BLOCK WALL OR 3,000 PSI MIN. CONCRETE COLUMN OR STEEL JAMBS.

PREPARATION OF JAMBS BY OTHERS

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.

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



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C-DSIE-1F477
PART NO.: N/A

WINDLOAD RATING
W4 DP25

DESCRIPTION: 2" EPS COMM DOORS UP TO 9'2"W (SEE TABLE)

DRAWN BY: S.H.

DATE: 9/16/14

SCALE: NTS

DWG. B

CHECKED BY: S.H.

DATE: 9/16/14

SHEET 2 OF 2

SIZE B

DWG. NO.: 104994

VER: IBC

2 FLORIDA PRODUCT APPROVAL 17671