

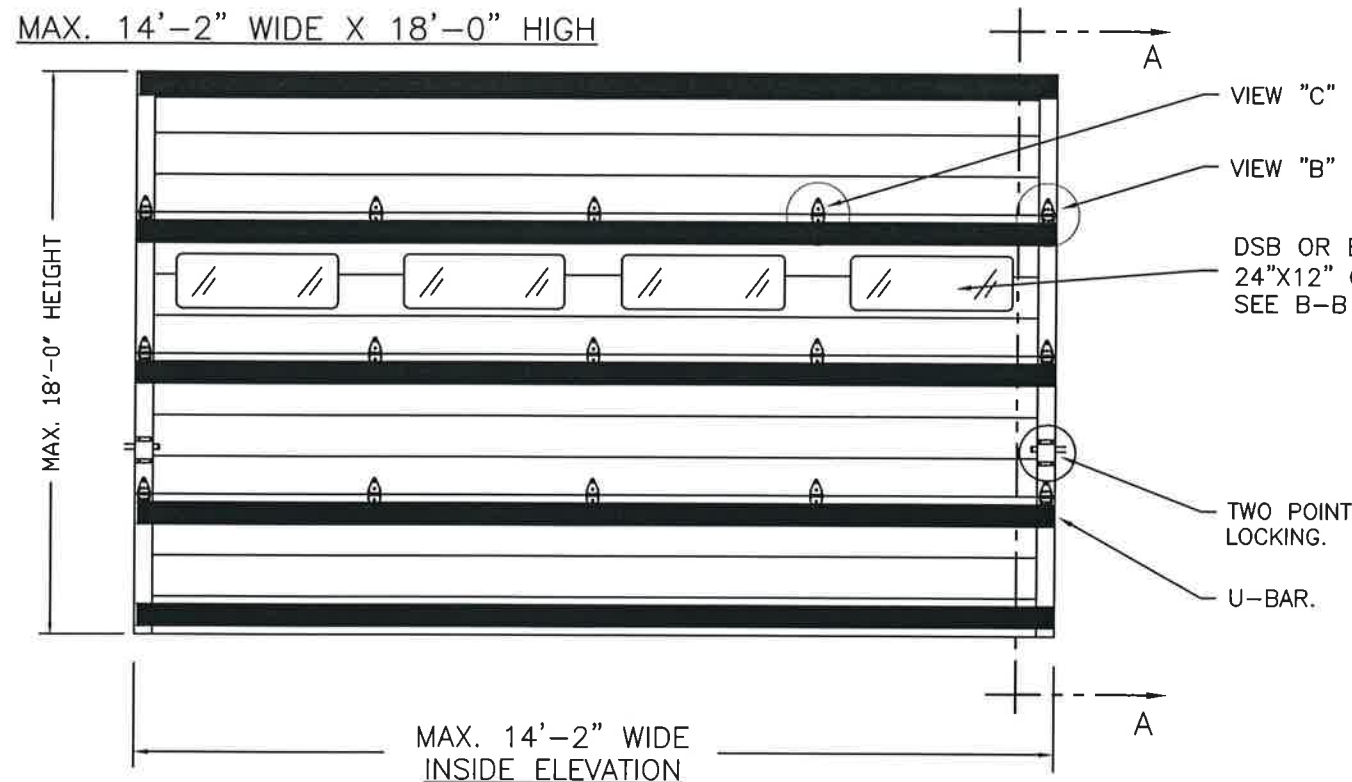
CLOPAY 3717W4, 3718W4 (1.75"); 3720W4, 3722W4, 3724W4 (2"); 3730W4 (3")
EX3717W4, EX3718W4 (1.75"); EX3720W4, EX3722W4, EX3724W4 (2")
CORNELL EX3717LW4, EX3718LW4 (1.75"); EX3720LW4, EX3722LW4, EX3724LW4 (2")
COOKSON EX3717NW4, EX3718NW4 (1.75"); EX3720NW4, EX3722NW4, EX3724NW4 (2")
HOLMES 240UW4, 244UW4 (2")
IDEAL C7X17W4, C7X18W4 (1.75"); C7X20W4, C7X22W4, C7X24W4 (2")

SHEET:
1 OF 2

REVISIONS

REV. NO.	ZONE:	DATE:	ECN NO.	APPVD:	DESCRIPTION
00	-	1/12/15	-	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	-	02/2021	EN2836	-	ADDED 3" DOOR MODEL 3730.
05	-	10/2021	-	-	ADDED EX MODELS.

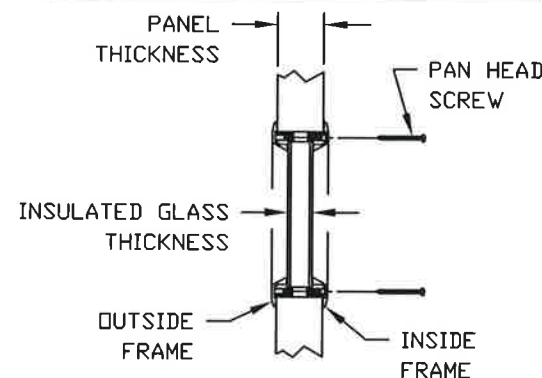
MAX. 14'-2" WIDE X 18'-0" HIGH



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

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.

SECTION B-B
(STANDARD GLAZING OPTION)



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

12 GA. GALV. STEEL TOP ROLLER BRACKET. EACH BRACKET ATTACHED W/(5) #14x5/8" SHEET METAL SCREWS. ADJUSTABLE SLIDE ATTACHED TO TOP BRACKET WITH (2) 1/4"x1/2" BOLTS AND NUTS PER BRACKET.

2.4 PCF POLYURETHANE INSULATION.

SECTIONS ARE 1-3/4" THICK PANELS. EXTERIOR 27 GA. MIN. GALV. STEEL INTERIOR 27 GA. MIN. GALV. STEEL. THE STUCCO EMBOSSED STEEL TEXTURE IS PREPAINTED WITH A BAKED POLYESTER PAINT. MINOR RIBS ARE PLACED EVERY 4 INCHES ALONG THE WIDTH OF THE EXTERIOR PANELS.

TONGUE AND GROOVE JOINTS.

14 GA. GALV. ROLLER HINGE. EACH HINGE FASTENED TO END STILES W/(4) #14x5/8" SHEET METAL AND (4) 1/4"x3/4" SELF TAPPING SCREWS. (SEE VIEW "B")

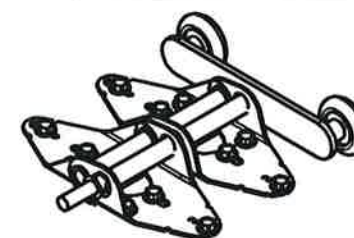
(1) 3" x 20GA. STEEL U-BAR AT THE TOP OF EACH SECTION, WITH (1) AT THE BOTTOM OF THE BOTTOM SECTION. ATTACHED WITH (2) 1/4"x3/4" SELF-TAPPING SCREWS PER HINGE LOCATION. (SEE VIEW "E")

VIEW "E"
3" TALL 50 KSI U-BAR
20 GA. GALV. STEEL.

12 GA. GALV. STEEL BOTTOM BRACKET. ATTACHED WITH (4) #14x5/8" SHEET METAL SCREWS.

ALUMINUM EXTRUSION & VINYL WEATHERSTRIP.

SECTION A-A (SIDE VIEW)



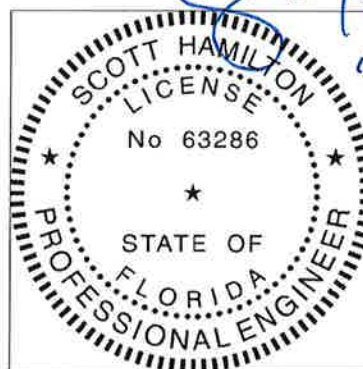
EX MODELS REQUIRE DOUBLE END STILES AND DOUBLE END HINGES. SEE DETAIL A ON SHEET 1.

#14x5/8" SHEET METAL SCREWS.

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

14 GA. END HINGES
VIEW "B"

14 GA. (MIN.) INTERMEDIATE HINGE
VIEW "C"



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

DESIGN LOADS: +25.0 P.S.F. & -25.0 P.S.F.
TEST LOADS: +37.5 P.S.F. & -37.5 P.S.F.

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: 1-3/4" INTELICORE DOORS UP TO 14'2"W (SEE TABLE)

DRAWN BY: S.H. DATE: 8/18/14 SCALE: NTS DWG. B

CHECKED BY: S.H. DATE: 8/18/14 SHEET 1 OF 2

DWG. NO.: 104956 VER: IBC

MANUFACTURING PRODUCT CODE
C-DSIU-1D477

PART NO.: N/A

WINDLOAD RATING
W4 DP25

2 FLORIDA PRODUCT APPROVAL 17671

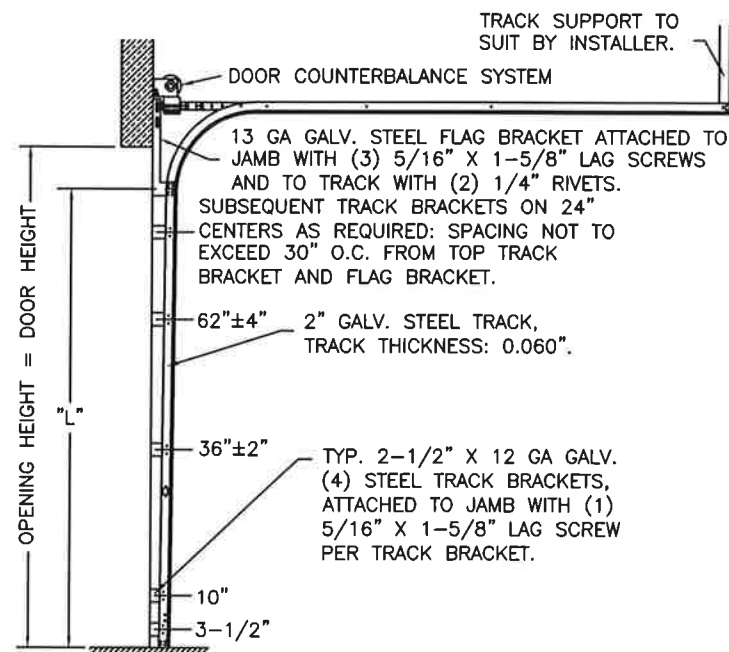
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SHEET:
2 OF 2

REVISIONS

REV. NO.	ZONE:	DATE:	ECN NO.	APPVD:	DESCRIPTION
05	-	-	-	-	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 3" TRACK, DOUBLE TRACK HEADROOM, HI-LIFT TRACK, FOLLOW-THE-ROOF TRACK, AND VERTICAL LIFT TRACK ARE AVAILABLE OPTIONS. TRACK CONFIGURATION ABOVE THE DOOR OPENING DOES NOT AFFECT THE WIND LOAD RATING.

JAMB CONFIGURATION.

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.

1" OVERLAP EACH SIDE.

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

7/16" I.D. ROUND PUSH NUT FASTENER.

14 GA. MIN. GALV. STEEL ROLLER HINGE FASTENED TO END STILES W/(4) EACH #14x5/8" SHEET METAL SCREWS. EX MODELS REQUIRE DOUBLE END STILES AND DOUBLE END HINGES. SEE DETAIL A.

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

SECTION C-C

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.

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.

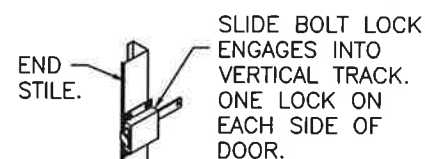
NOTE: 2x6 WOOD JAMBS ARE NOT REQUIRED WITH CONTINUOUS ANGLE MOUNT TRACK. HOWEVER, IF DESIRED ON STEEL JAMBS OR CONCRETE OR BLOCK WALLS, APPROVED FASTENERS AS DETAILED BELOW SHOULD BE INCREASED IN LENGTH BY 1-1/2" AND INSTALLED DIRECTLY THROUGH THE ANGLE AND 2x6 WOOD JAMBS INTO THE STEEL JAMBS OR CONCRETE 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.

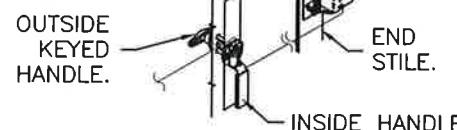


DESIGN ENGINEER:
SCOTT HAMILTON, P.E.
FLORIDA LICENSE No. 63286

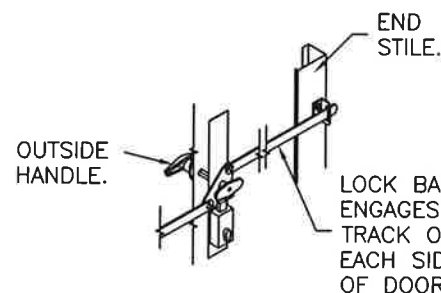


INSIDE SLIDE BOLT LOCK OPTION.

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



OUTSIDE KEYED LOCK WITH SNAP LATCH LOCK OPTION.



OUTSIDE KEYED LOCK WITH LOCK BAR LOCKING.

DESIGN LOADS: +25.0 P.S.F. & -25.0 P.S.F.
TEST LOADS: +37.5 P.S.F. & -37.5 P.S.F.

Unless Stated Otherwise
TOLERANCES are
.0 = ±.031
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DRAWN BY: S.H. DATE: 8/18/14 SCALE: NTS DWG. SIZE B

CHECKED BY: S.H. DATE: 8/18/14 SHEET 2 OF 2

DWG. NO.: 104956 VER: IBC

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C-DSIU-1D477

PART NO.: N/A

WINDLOAD RATING
W4 DP25