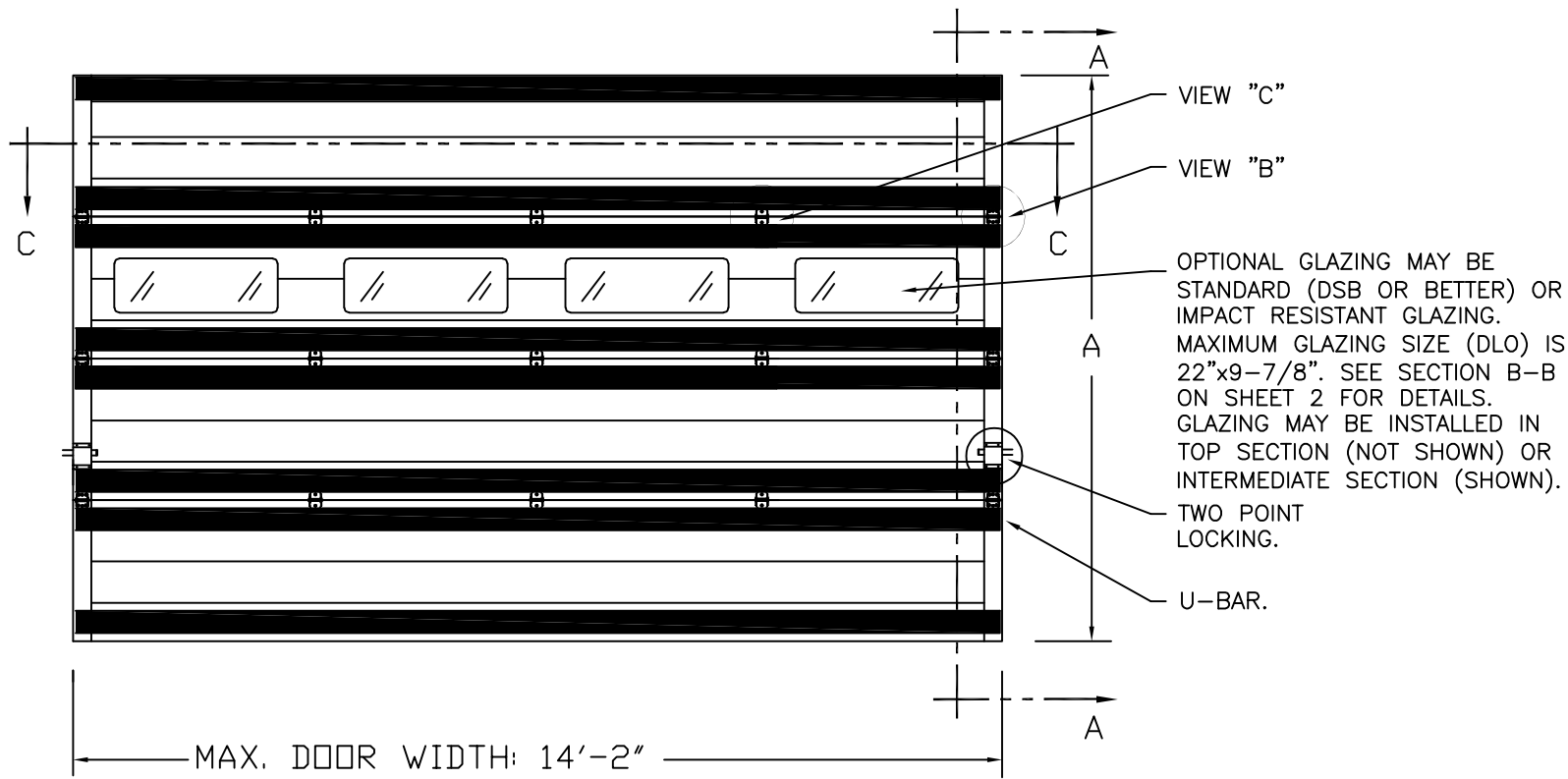


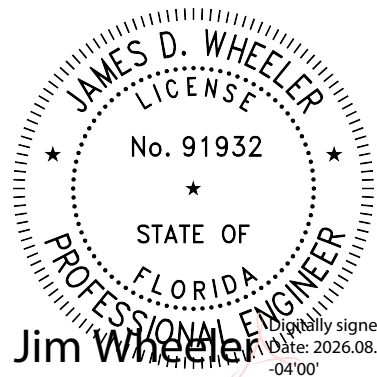
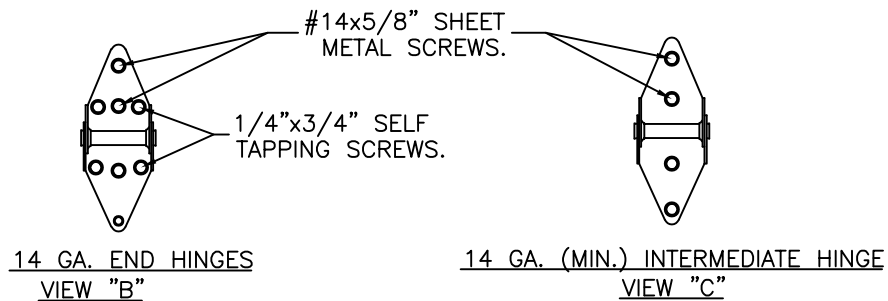
CLOPAY / IDEAL / HOLMES
3717 / C7X17 / -- / 27GA 1.75" THICK MINOR RIB
3718 / C7X18 / -- / 27GA 1.75" THICK FLUSH
3720 / C7X20 / 240U / 27GA 2" THICK MINOR RIB
3722 / COX22 / -- / 20GA 2" THICK FLUSH
3724 / C7X24 / 244U / 24GA 2" THICK MINOR RIB
3730 / -- / -- / 27GA 3" THICK MINOR RIB

SHEET:
1 OF 4

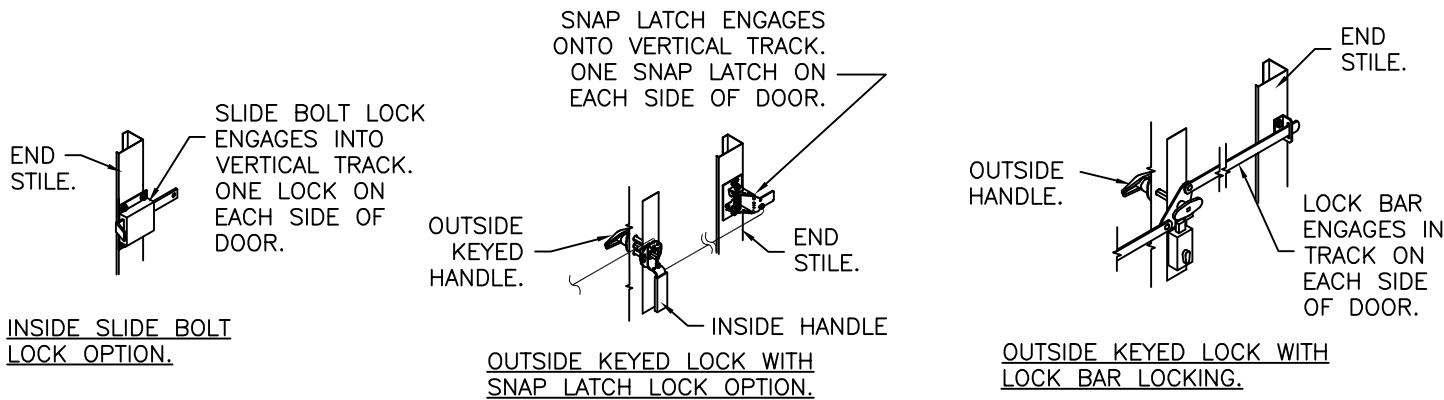
REVISIONS					
REV. NO.	ZONE:	DATE:	ECN NO.	APPVD:	DESCRIPTION
00	-	3/13/14	-	SH	BASED ON 104043-R05.
01	-	8/10/20	-	SH	UPDATED TITLE BLOCK AND REMOVED WIND CHART.
02	-	3/6/25	-	JDW	ADDED MODEL 3730.
03	-	10/3/25	-	JDW	UPDATED IMPACT RESISTANT GLAZING DETAILS.



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



DESIGN ENGINEER:
JAMES D. WHEELER, P.E.
FLORIDA LICENSE No. 91932



DESIGN LOADS: +36.0 P.S.F. & -40.0 P.S.F.
TEST LOADS: +54.0 P.S.F. & -60.0 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: SH	DATE: 2/10/14	SCALE: NTS	DWG. SIZE B
CHECKED BY: SH	DATE: 2/10/14	SHEET 1 OF 4	VER: IBC
DWG. NO.: 104861 - A/B			

FLORIDA PRODUCT APPROVAL 48387.10

4

3

2

1

CLOPAY / IDEAL / HOLMES

3717 / C7X17 / -- / 27GA 1.75" THICK MINOR RIB

3718 / C7X18 / -- / 27GA 1.75" THICK FLUSH

3720 / C7X20 / 240U / 27GA 2" THICK MINOR RIB

3722 / COX22 / -- / 20GA 2" THICK FLUSH

3724 / C7X24 / 244U / 24GA 2" THICK MINOR RIB

3730 / -- / -- / 27GA 3" THICK MINOR RIB

SHEET:

2 OF 4

REV. NO.

ZONE:

DATE:

ECN NO.

APPVD:

DESCRIPTION

03

-

-

-

-

SEE REVISION HISTORY ON SHEET ONE.

STANDARD ASSEMBLY CONSTRUCTION:

OPTIONAL LITES WITH DSB OR TEMPERED INSULATED GLAZING AVAILABLE. OPTIONAL FULL VISION SECTIONS WITH DSB OR BETTER GLAZING AVAILABLE.

THE ENTIRE DOOR ASSEMBLY INSTALLED IN COMPLIANCE WITH THIS SECTION 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).

SECTION B-B

(NON-IMPACT-RESISTANT GLAZING OPTION)

PANEL THICKNESS

INSULATED GLASS THICKNESS

OUTSIDE FRAME

INSIDE FRAME

PAN HEAD SCREW

NON-IMPACT-RESISTANT FULL VISION SECTION 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.

STANDARD ASSEMBLY DETAILS

DRAWING 104861-B

DESIGN ENGINEER:

JAMES D. WHEELER, P.E.

FLORIDA LICENSE No. 91932

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Unless Stated Otherwise TOLERANCES are

.0 = ±.031

.00 = ±.015

.000 = ±.005

.0000 = ±.001

Degrees = ±1/2'

Unless Stated Otherwise DIMENSIONS ARE IN INCHES.

MANUFACTURING PRODUCT CODE

C-DSIU-1D477

PART NO.: N/A

WINDLOAD RATING

W6 DP36

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

DRAWN BY: SH

DATE: 2/10/14

SCALE: NTS

DWG. SIZE B

CHECKED BY: SH

DATE: 2/10/14

SHEET 2 OF 4

VER: IBC

DWG. NO.: 104861 - A/B

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

CLOPAY

CORPORATION

4

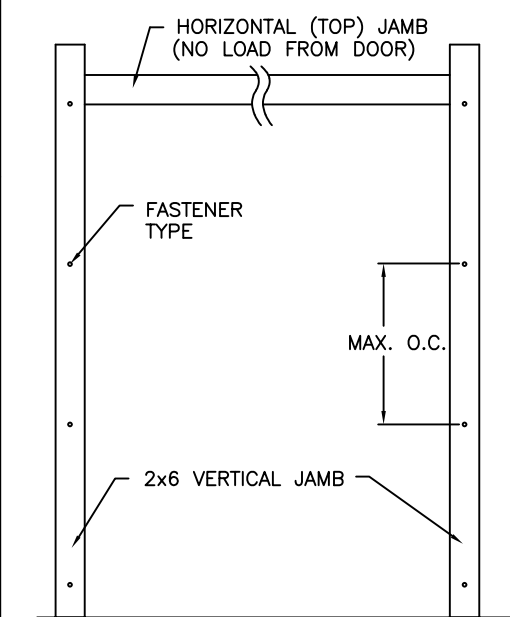
3

2

1

FLORIDA PRODUCT APPROVAL 48387.10

CLOPAY / IDEAL / HOLMES				SHEET: 3 OF 4				REVISIONS			
3717	/	C7X17	/	--	/	27GA	1.75"	THICK	MINOR	RIB	REV. NO. ZONE: DATE: ECN NO. APPVD: DESCRIPTION
3718	/	C7X18	/	--	/	27GA	1.75"	THICK	FLUSH		03 - - - - SEE REVISION HISTORY ON SHEET ONE.
3720	/	C7X20	/	240U	/	27GA	2"	THICK	MINOR	RIB	
3722	/	COX22	/	--	/	20GA	2"	THICK	FLUSH		
3724	/	C7X24	/	244U	/	24GA	2"	THICK	MINOR	RIB	
3730	/	--	/	--	/	27GA	3"	THICK	MINOR	RIB	



JAMB TO SUPPORTING STRUCTURE ATTACHMENT

- NOTES:
- ALL THE LOAD FROM THE DOOR IS TRANSFERRED TO THE TRACK AND THEN FROM THE TRACK TO THE 2x6 VERTICAL SYP (GRADE #2 OR BETTER) JAMBS. NO LOAD FROM THE DOOR IS TRANSFERRED TO THE HORIZONTAL (TOP) JAMB.
 - EACH VERTICAL JAMB SEES A MAXIMUM DESIGN LOAD OF +252 LB & -280 LB. PER LINEAR FOOT OF JAMB.
 - ALL JAMB FASTENERS MAY BE (BUT ARE NOT REQUIRED TO BE) COUNTERSUNK TO PROVIDE A FLUSH MOUNTING SURFACE.
 - A 1/3 STRESS INCREASE FOR WIND LOAD WAS NOT USED IN THE CALCULATION OF ALLOWABLE LOADS FOR ANCHORS AND FASTENERS FOR STEEL, CONCRETE AND MASONRY.

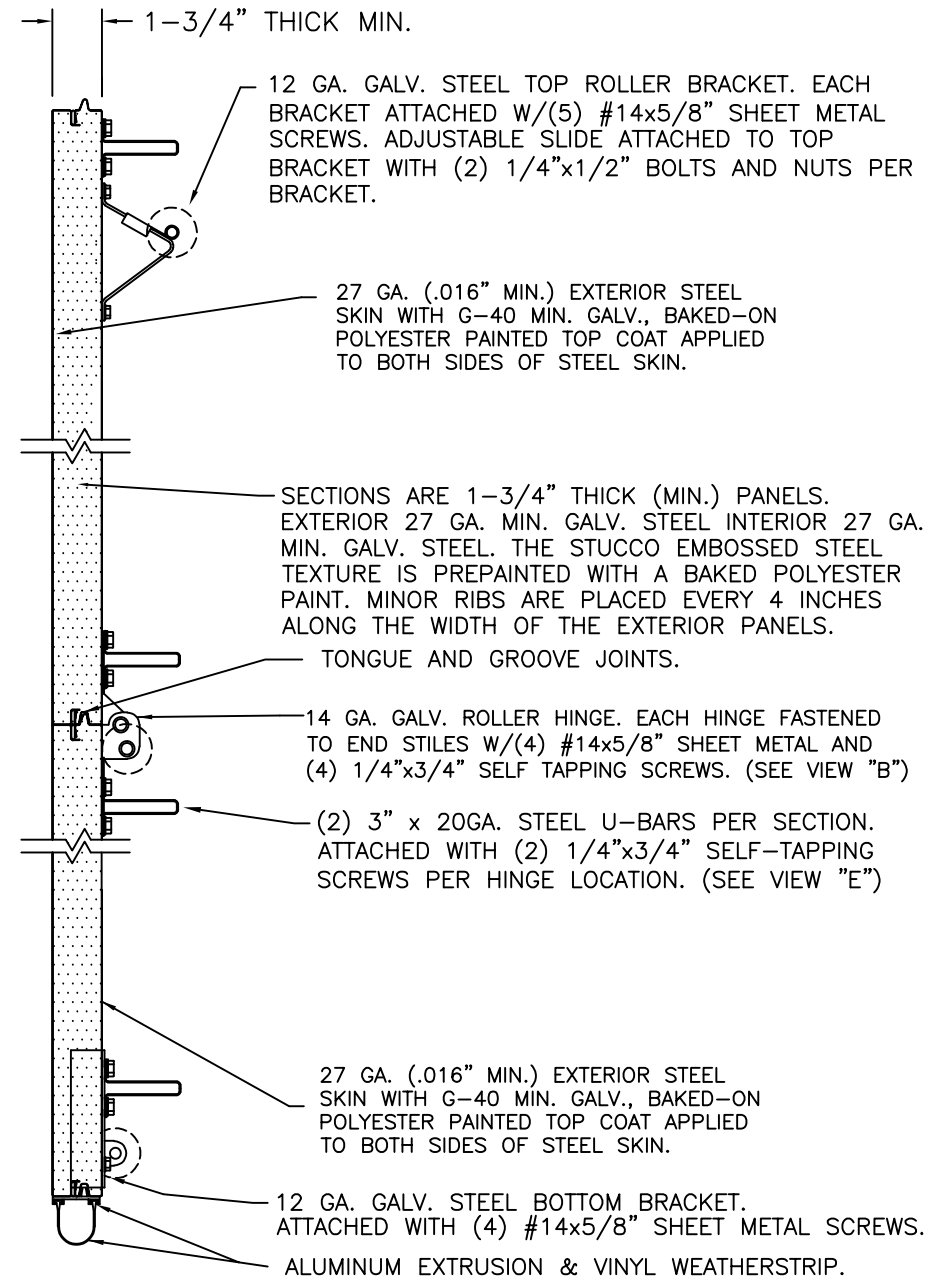
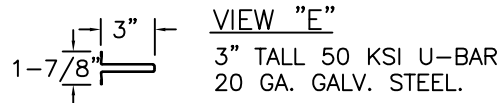
NOTE: 2x6 WOOD JAMBS ARE NOT REQUIRED WITH CONTINUOUS ANGLE MOUNT TRACK. HOWEVER, IF DESIRED ON STEEL JAMBS OR CONCRETE OR BLOCK WALLS, APPROVED FASTENERS AS DETAILED BELOW SHOULD BE INCREASED IN LENGTH BY 1-1/2" AND INSTALLED DIRECTLY THROUGH THE ANGLE AND 2x6 WOOD JAMBS INTO THE STEEL JAMBS OR CONCRETE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

FASTENER ATTACHMENT TO SUPPORTING STRUCTURE SCHEDULES

BUILDING TYPE	FASTENER TYPE	MAXIMUM ON-CENTER DISTANCE BETWEEN FASTENERS*	STEEL WASHERS REQUIRED?
HOLLOW BLOCK WALL	1/4" x 1-1/4" MIN. EMBED ULTRACON CONCRETE ANCHOR	6-1/2"	1" O.D.
GROUT FILLED BLOCK WALL	1/4" x 1-3/4" MIN. EMBED ULTRACON CONCRETE ANCHOR	10-3/4"	1" O.D.
2000 PSI MIN. CONCRETE	1/4" x 1" MIN. EMBED ULTRACON CONCRETE ANCHOR	9-1/4"	1" O.D.
2000 PSI MIN. CONCRETE	1/4" x 1" MIN. EMBED TAPCON CONCRETE ANCHOR	5-1/2"	1" O.D.
2000 PSI MIN. CONCRETE	3/8" x 1-3/4" MIN. EMBED WEJ-IT ANKR TITE SLEEVE ANCHOR	20"	INCLUDED
4000 PSI MIN. CONCRETE	3/8" x 1-3/4" MIN. EMBED WEJ-IT ANKR TITE SLEEVE ANCHOR	24"	INCLUDED
WOOD FRAME (SYP 0.55 SG)	1/2" x 3" LAG SCREW (ASTM A307, GRADE A) 1-5/8" EMBED INTO STRUCTURE	21-1/2"	1" O.D.
14GA STEEL (0.060" MIN.)	1/4"-14 x 1" ITW BUILDEX TEKS SELF-DRILLING FASTENER	9"	1" O.D.
12GA STEEL (0.105" MIN.)	1/4"-14 x 1" ITW BUILDEX TEKS SELF-DRILLING FASTENER	15-3/4"	1" O.D.
1/8" STEEL	1/4"-14 x 1" ITW BUILDEX TEKS SELF-DRILLING FASTENER	18-3/4"	1" O.D.

* 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.
CLOPAY DOES NOT SUPPLY JAMB ATTACHMENT FASTENERS.
MINIMUM DISTANCE BETWEEN CENTER OF ANCHOR AND EDGE OF CONCRETE BLOCK: 2-1/2", EXCLUDING STUCCO THICKNESS.

DESIGN ENGINEER:
JAMES D. WHEELER, P.E.
FLORIDA LICENSE No. 91932



SECTION A-A (SIDE VIEW)

DESIGN LOADS: +36.0 P.S.F. & -40.0 P.S.F.
TEST LOADS: +54.0 P.S.F. & -60.0 P.S.F.

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DIMENSIONS ARE IN INCHES.

Clopay
CORPORATION

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Tel. No. 513-770-4800
Fax No. 513-770-4853

DESCRIPTION: 1-3/4" INTELLICORE DOORS UP TO 14'2"W (SEE TABLE)			
DRAWN BY: SH	DATE: 2/10/14	SCALE: NTS	DWG. B
CHECKED BY: SH	DATE: 2/10/14	SHEET 3 OF 4	SIZE
DWG. NO.: 104861 - A/B		VER: IBC	

CLOPAY / IDEAL / HOLMES

3717 / C7X17 / -- / 27GA 1.75" THICK MINOR RIB

3718 / C7X18 / -- / 27GA 1.75" THICK FLUSH

3720 / C7X20 / 240U / 27GA 2" THICK MINOR RIB

3722 / COX22 / -- / 20GA 2" THICK FLUSH

3724 / C7X24 / 244U / 24GA 2" THICK MINOR RIB

3730 / -- / -- / 27GA 3" THICK MINOR RIB

2" TRACK CONFIGURATION

DOORS UP TO 800 LBS.

NOTE 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.

DOOR COUNTERBALANCE SYSTEM

13 GA GALV. STEEL FLAG BRACKET ATTACHED TO JAMB WITH (3) 5/16" X 1-5/8" LAG SCREWS AND TO TRACK WITH (2) 1/4" RIVETS.

AS RQD: SPACING NTE 14" O.C.

58"

2" GALV. STEEL TRACK, TRACK THICKNESS: 0.075".

46"

34"

22"

10"

3-1/2"

OPENING HEIGHT = DOOR HEIGHT

"L"

VERTICAL TRACK TO BE BRACKET MOUNT OR CONTINUOUS ANGLE (1-3/4"x2-1/4"x12 GA MIN.) MOUNT. ALL BRACKETS/TRACK CLIPS ARE 12 GA. GALV. STEEL. BRACKETS/CLIPS ARE ATTACHED TO TRACK WITH EITHER TWO 1/4" RIVETS OR ONE 1/4" BOLT AND NUT.

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"

HORIZONTAL TRACK SUPPORT BY DOOR INSTALLER (TO SUIT).

2" GALV. STEEL TRACK FASTENED TO 12 GA GALV STEEL TRACK BRACKETS WITH EITHER (2) 1/4" DIA. RIVETS OR (1) 1/4" X 5/8" BOLT & NUT PER TRACK BRACKET.

JAMB CONFIGURATION

DOORS UP TO 800 LBS.

BRACKET MOUNT JAMB CONFIGURATION

1" DOOR OVERLAP (EACH SIDE)

2x6 SYP WOOD JAMB. REQUIRED FOR BRACKET MOUNT.

2-1/2" X 12 GA GALV. STEEL TRACK BRACKETS FASTENED TO WOOD JAMBS WITH 5/6" X 1-5/8" LAG SCREWS NOT TO EXCEED 14" ON-CENTER.

OPTIONAL STOP MOULDING BY INSTALLER (TO SUIT).

18 GA GALV. STEEL SINGLE-END-STILE FASTENED WITH (1) #8 X 1/2" WAFER SCREW.

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

14 GA. GALV. STEEL ROLLER HINGES FASTENED TO END STILES W/(4) EACH #14x5/8" SHEET METAL SCREWS AND (2) 1/4" SELF TAPPING SCREWS PER END HINGE.

2" DIA. 7-1/2" LONG STEM, 10 BALL STEEL ROLLER WITH STEEL OR NYLON TIRE.

SECTION C-C

PREPARATION OF JAMBS BY OTHERS.

ANGLE MOUNT JAMB CONFIGURATION

2x6 SYP JAMB (IF PRESENT; SEE JAMB NOTES ON SHEET 3).

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.

3" TRACK CONFIGURATION

DOORS 800 LBS AND OVER.

NOTE 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.

CENTER HANG REQUIRED FOR DOORS OVER 8' HIGH.

3" GALV. TAPERED STEEL TRACK AND ANGLE. TRACK THICKNESS: 0.101". ANGLE THICKNESS: 0.080". MIN. ANGLE DIMENSIONS 3-1/4" x 2-7/8".

VERTICAL/HORIZONTAL TRACK JUNCTION. TWO 1/4" BOLTS & NUTS FOR EACH TRACK.

14" MAXIMUM SPACING FROM LAST MOUNTING SLOT TO TRACK JUNCTION

ADDITIONAL MOUNTING SLOTS SPACED AT 12" CENTERS.

12" ON CENTER

46"

34"

22"

10"

3-1/2"

OPENING HEIGHT = DOOR HEIGHT

ONE 1/4" TRACK BOLT AND NUT AT EACH MOUNTING SLOT LOCATION.

DOOR HEIGHT

VERTICAL TRACK LENGTH

7'-0"	72"
8'-0"	84"
9'-0"	96"
10'-0"	108"
12'-0"	132"
14'-0"	156"
16'-0"	180"
17'-0"	204"
18'-0"	228"

HORIZONTAL TRACK SUPPORT BY DOOR INSTALLER (TO SUIT).

0.101" THICK 3" GALV. STEEL TRACK FASTENED TO TAPERED ANGLE. TRACK ATTACHED TO TAPERED ANGLE WITH ONE 1/4"x5/8" BOLT & NUT AT EACH MOUNTING SLOT.

JAMB CONFIGURATION

DOORS 800 LBS AND OVER.

BRACKET MOUNT JAMB CONFIGURATION

1" DOOR OVERLAP (EACH SIDE)

2x6 SYP JAMB (IF PRESENT; SEE JAMB NOTES ON SHEET 3).

3-1/4" x 2-7/8" MIN. x 0.080" TAPERED ANGLE. SEE LAG BOLT MOUNTING AT TRACK CONFIGURATION BELOW.

0.101" THICK 3" GALV. STEEL TRACK FASTENED TO TAPERED ANGLE. TRACK ATTACHED TO TAPERED ANGLE WITH ONE 1/4"x5/8" BOLT & NUT AT EACH MOUNTING SLOT.

OPTIONAL STOP MOULDING BY DOOR INSTALLER (TO SUIT).

18 GA GALV. STEEL DOUBLE-END-STILE FASTENED WITH (1) #8 X 1/2" WAFER SCREW.

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

14 GA. GALV. STEEL ROLLER HINGES FASTENED TO END STILES W/(4) EACH #14x5/8" SHEET METAL SCREWS AND (2) 1/4" SELF TAPPING SCREWS PER END HINGE.

3" DIA. 8-1/2" LONG STEM BALL BEARING STEEL ROLLER.

SECTION C-C

PREPARATION OF JAMBS BY OTHERS.

DOUBLE TRACK LOW HEADROOM OPTION (AVAIL. FOR BOTH 2" AND 3" TRACK)

DOUBLE HORIZONTAL TRACK.

DESIGN ENGINEER:

JAMES D. WHEELER, P.E.

FLORIDA LICENSE No. 91932

4

3

2

1

SHEET:

4 OF 4

REV. NO.

03

ZONE:

-

DATE:

-

ECN NO.

-

APPVD:

-

DESCRIPTION

SEE REVISION HISTORY ON SHEET ONE.

MANUFACTURING PRODUCT CODE

C-DSIU-1D477

PART NO.:

N/A

WINDLOAD RATING

W6 DP36

DESCRIPTION:

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

DRAWN BY:

SH

DATE:

2/10/14

SCALE:

NTS

DWG.

SIZE B

CHECKED BY:

SH

DATE:

2/10/14

SHEET

4 OF 4

VER:

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DWG. NO.:

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FLORIDA PRODUCT APPROVAL 48387.10