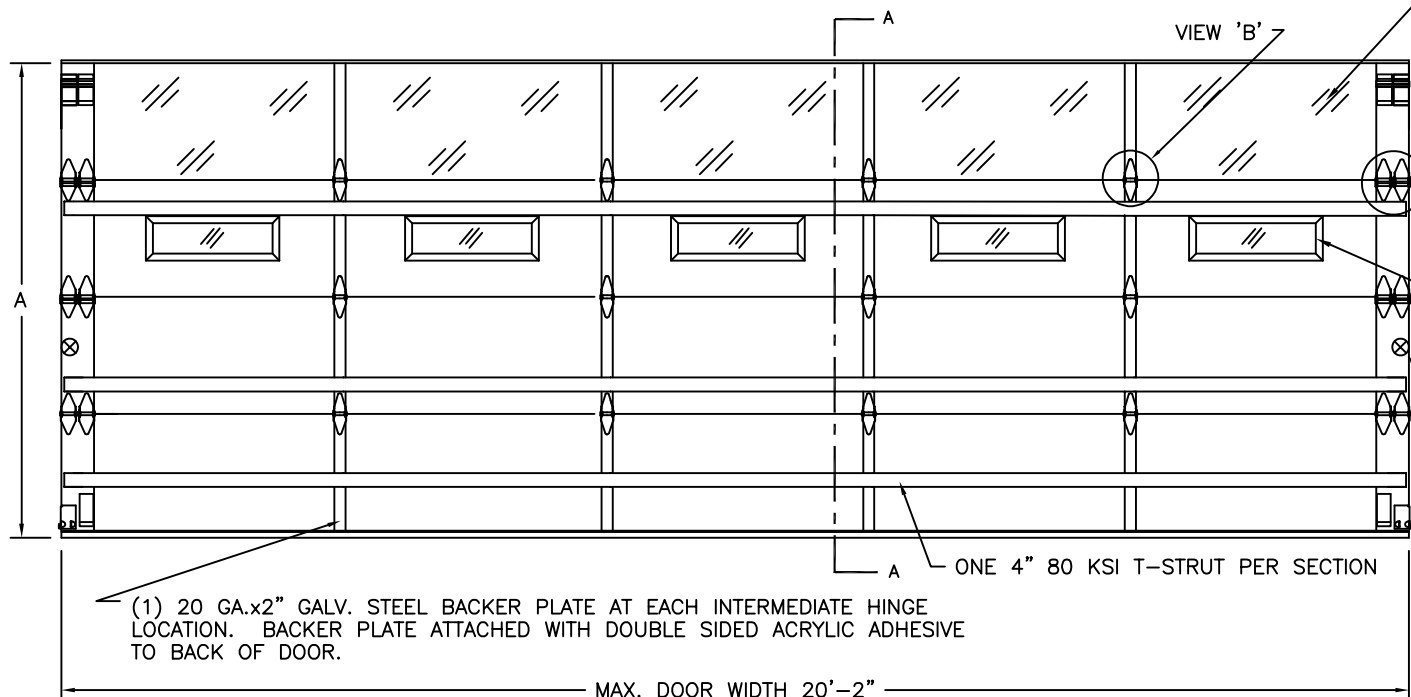


3717	/	C7X17	/	--	/	27GA	1.75"	THICK	MINOR	RIB
3718	/	C7X18	/	--	/	27GA	1.75"	THICK	FLUSH	
3720	/	C7X20	/	240U	/	27GA	2"	THICK	MINOR	RIB
3722	/	C0X22	/	--	/	20GA	2"	THICK	FLUSH	
3724	/	C7X24	/	244U	/	24GA	2"	THICK	MINOR	RIB
3730	/	--	/	--	/	27GA	3"	THICK	MINOR	RIB

SHEET:
1 OF 4

REVISIONS					
REV. NO.	ZONE:	DATE:	ECN NO.	APPVD:	DESCRIPTION
00	—	7/19/16	—	SH	BASED ON 104101—R01.
01	—	7/6/17	—	—	SPECIFIED 1/4"x1" SCREWS FOR FULL VISION T—STRUTS
02	—	02/2021	EN2836	—	ADDED 3" DOOR MODEL 3730.
03	—	6/7/22	ER1409	TES	UPDATED FV SECTION REINFORCEMENT REQUIREMENTS.
04	—	4/16/26	—	JDW	REMOVED WINDSPEED TABLE.

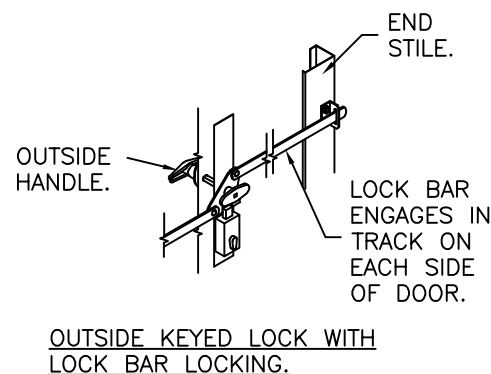
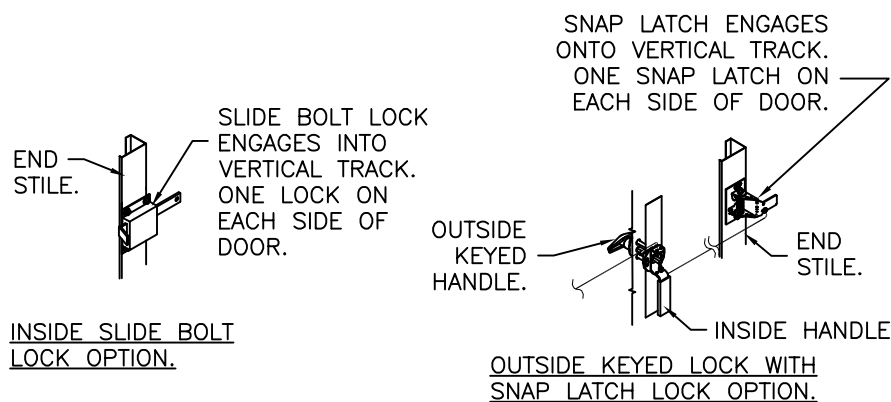
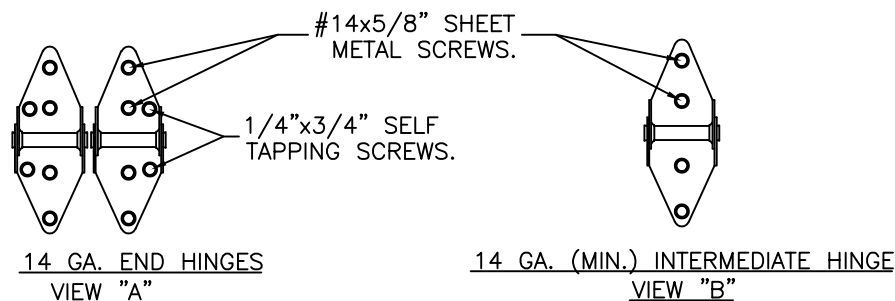


OPTIONAL ALUMINUM FULL VIEW SECTIONS AVAILABLE.
OPTIONAL ACRYLIC IS PLASKOLITE OPTIX, AN APPROVED
CC2 PLASTIC IN COMPLIANCE WITH IBC/FBC 2606 REF.
TABLE BELOW FOR FV SECTION REINFORCEMENT
REQUIREMENTS.

MODEL	WIDTH	GLAZING TYPE	REINFORCEMENT
'CLASSIC' 1-3/4" SECTIONS	14' 4" - 20' 2"	ALL TYPES	(1) 4" 80 KSI T-STRUT/SECTION
'CONTEMPORARY' FV200/FV200U	14' 4" - 16' 2"	ALL TYPES	(1) 1-1/4" ALUM. ANGLE/SECTION
	16' 4" - 18' 2"		(1) 2" ALUM. ANGLE/SECTION
	18' 4" - 20' 2"		(1) 3" X 2" ALUM. ANGLE/SECTION

OPTIONAL 24" X 8" DSB GLASS, INSULATED GLASS
OR ACRYLIC WINDOW LITES. OPTIONAL ACRYLIC IS PLASKOLITE OPTIX, AN APPROVED
CC2 PLASTIC IN COMPLIANCE WITH IBC/FBC 2606.

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 LOADS: +25.0 P.S.F. & -28.0 P.S.F.
TEST LOADS: +37.5 P.S.F. & -42.0 P.S.F.

Unless Stated Otherwise
TOLERANCES are

.0 = $\pm .031$
 .00 = $\pm .015$
 .000 = $\pm .005$
 .0000 = $\pm .001$
 Degrees = $\pm 1/2^\circ$

Unless Stated Otherwise
DIMENSIONS ARE IN INCHES.

MANUFACTURING PRODUCT CODE
C-DISU-1D447

PART NO.: N/A

WINDLOAD RATING
W4 DP25



Clopay
Building Products Company

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

DESCRIPTION: 1-3/4" MIN. THICK INTELICORE WINDLOAD 20'-2"

DRAWN BY: RH

DATE: 7/19/16

SCALE: NTS

DWG.	B
SIZE	

CHECKED BY: SH

DATE: _____

SHEET 1 OF 4

DWG. NO.: 105087

VER:	IBC
------	-----


 Digitally signed by Jim Wheeler
 Date: 2026.08.19 18:17:40 -04'00'

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

FLORIDA PRODUCT APPROVAL 48387.4

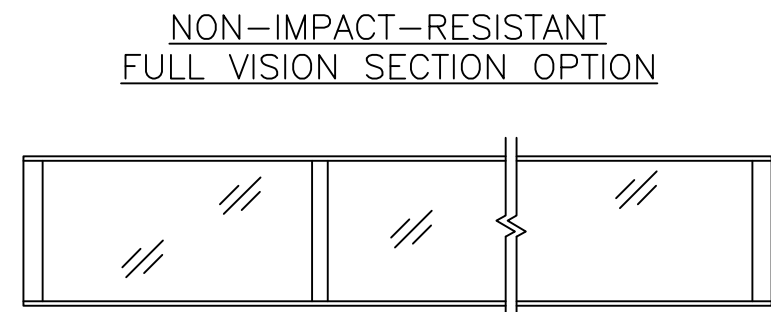
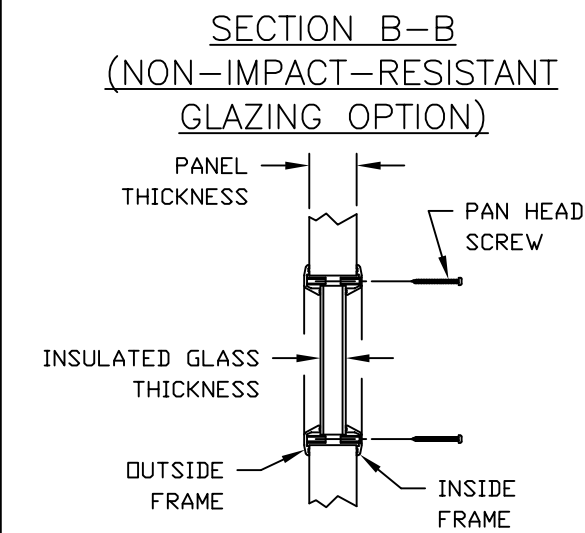
CLOPAY / IDEAL / HOLMES						
3717	/	C7X17	/	--	/	27GA 1.75" THICK MINOR RIB
3718	/	C7X18	/	--	/	27GA 1.75" THICK FLUSH
3720	/	C7X20	/	240U	/	27GA 2" THICK MINOR RIB
3722	/	COX22	/	--	/	20GA 2" THICK FLUSH
3724	/	C7X24	/	244U	/	24GA 2" THICK MINOR RIB
3730	/	--	/	--	/	27GA 3" THICK MINOR RIB

SHEET: 2 OF 4		REVISIONS				
REV. NO.	ZONE:	DATE:	ECN NO.	APPVD:	DESCRIPTION	
02	-	-	-	-	SEE REVISION HISTORY ON SHEET ONE.	

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)

STANDARD ASSEMBLY CONSTRUCTION:
OPTIONAL LITES WITH DSB OR TEMPERED INSULATED GLAZING AVAILABLE. OPTIONAL FULL VIEW 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).



OPTIONAL ALUMINUM FULL VIEW SECTIONS AVAILABLE. OPTIONAL ACRYLIC IS PLASKOLITE OPTIX, AN APPROVED CC2 PLASTIC IN COMPLIANCE WITH IBC/FBC 2606. REF. TABLE BELOW FOR FV SECTION REINFORCEMENT REQUIREMENTS.

MODEL	WIDTH	GLAZING TYPE	REINFORCEMENT
'CLASSIC' 1-3/4" SECTIONS	14' 4" - 20' 2"	ALL TYPES	(1) 4" 80 KSI T-STRUT/SECTION
'CONTEMPORARY' FV200/FV200U	14' 4" - 16' 2"	ALL TYPES	(1) 1-1/4" ALUM. ANGLE/SECTION
	16' 4" - 18' 2"		(1) 2" ALUM. ANGLE/SECTION
	18' 4" - 20' 2"		(1) 3" X 2" ALUM. ANGLE/SECTION

STANDARD ASSEMBLY DETAILS

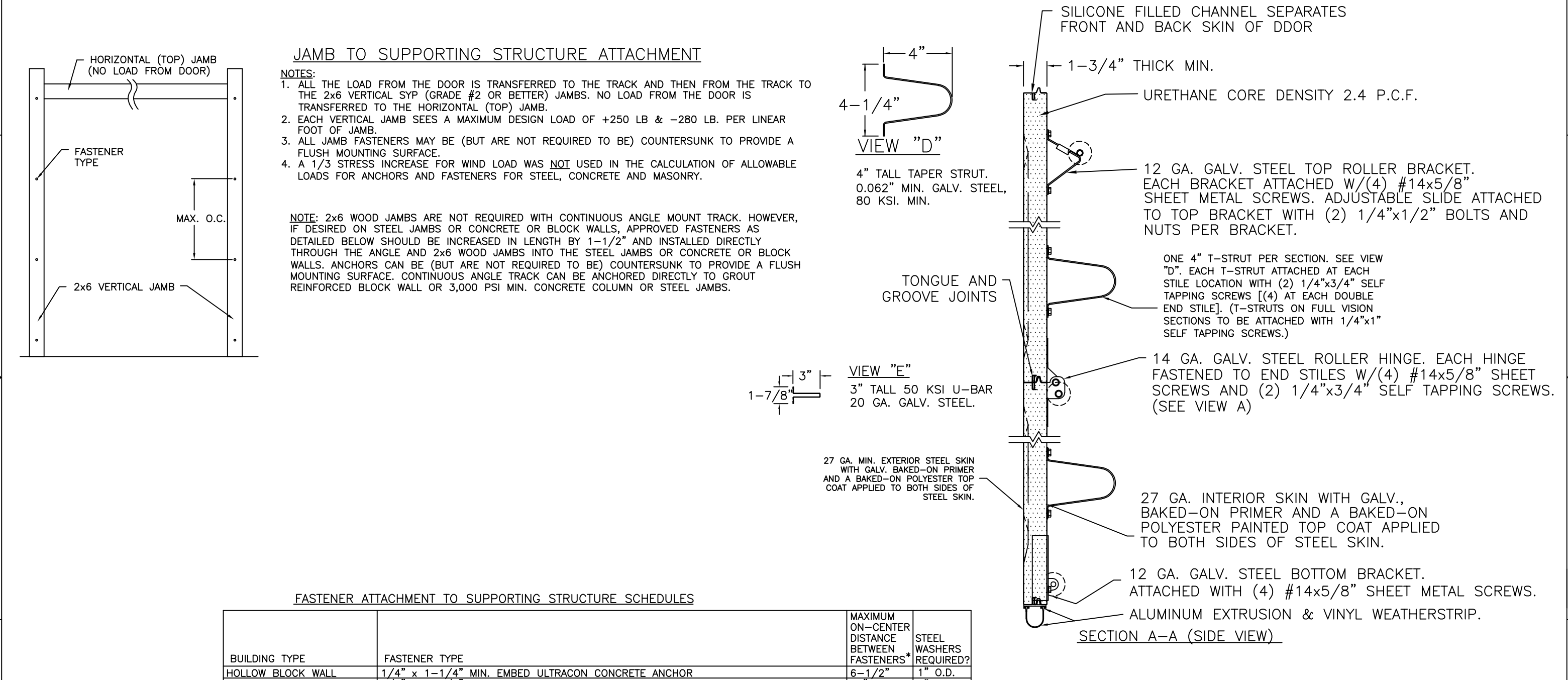
DESIGN ENGINEER:
JAMES D. WHEELER, P.E.
FLORIDA LICENSE No. 91932

DESIGN LOADS: +25.0 P.S.F. & -28.0 P.S.F. TEST LOADS: +37.5 P.S.F. & -42.0 P.S.F.		MANUFACTURING PRODUCT CODE C-DISU-1D447	
Unless Stated Otherwise TOLERANCES are .0 = ±.031 .00 = ±.015 .000 = ±.005 .0000 = ±.001 Degrees = ±1/2'		PART NO.: N/A	
Unless Stated Otherwise DIMENSIONS ARE IN INCHES.		WINDLOAD RATING W4 DP25	
DESCRIPTION: 1-3/4" MIN. THICK INTELLICORE WINDLOAD 20'-2"		SCALE: NTS	DWG. SIZE B
DRAWN BY: RH		DATE: 7/19/16	SHEET 2 OF 4
CHECKED BY: SH		DATE: -----	VER: IBC
DWG. NO.: 105087			

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:
3 OF 4

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



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	11"	1" O.D.
2000 PSI MIN. CONCRETE	1/4" x 1" MIN. EMBED ULTRACON CONCRETE ANCHOR	9-1/2"	1" O.D.
2000 PSI MIN. CONCRETE	1/4" x 1" MIN. EMBED TAPCON CONCRETE ANCHOR	9"	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	21-3/4"	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	16"	1" O.D.
1/8" STEEL	1/4"-14 x 1" ITW BUILDEX TEKS SELF-DRILLING FASTENER	19"	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

MANUFACTURING PRODUCT CODE
C-DISU-1D447

PART NO.: N/A

WINDLOAD RATING
W4 DP25

DESCRIPTION: 1-3/4" MIN. THICK INTELLICORE WINDLOAD 20'-2"

DRAWN BY: RH DATE: 7/19/16 SCALE: NTS DWG. SIZE B

CHECKED BY: SH DATE: ----- SHEET 3 OF 4

DWG. NO.: 105087 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.

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: TYP. SPACING 24". SPACING NOT TO EXCEED 30" O.C.

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

58"

34"

10"

3-1/2"

VERTICAL TRACK TO BE BRACKET MOUNT OR CONTINUOUS/REVERSE 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"

7'-0"

7'-6"

8'-0"

8'-6"

9'-0"

9'-6"

10'-0"

10'-6"

11'-0"

11'-6"

12'-0"

12'-6"

13'-0"

13'-6"

14'-0"

14'-6"

15'-0"

15'-6"

16'-0"

16'-6"

17'-0"

17'-6"

18'-0"

JAMB CONFIGURATION FOR 2" TRACK.

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 5/8" X 1-5/8" LAG SCREWS NOT TO EXCEED 14" ON-CENTER.

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.

OPTIONAL STOP MOULDING BY INSTALLER (TO SUIT).

16 GA GALV. STEEL DOUBLE END STILE FASTENED WITH TDG-L-LDC SYSTEM AT TOP, BOTTOM AND CENTER.

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

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

2" DIA. LONG STEM, 10 BALL STEEL ROLLER WITH STEEL OR NYLON TIRE.

ANGLE MOUNT JAMB CONFIGURATION

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

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 24"). ALSO TWO LAG SCREWS LOCATED ABOVE VERTICAL - HORIZONTAL TRACK JUNCTION.

SECTION C-C

PREPARATION OF JAMBS BY OTHERS.

LHR BRACKET (2-1/2" x 5-3/4" x 12GA) ATTACHED WITH (2) 1/4" x 3/4" SELF TAPPING SCREWS. NOTE THAT LHR BRACKETS ARE ALSO USED WITH "DOUBLE END STILE" AS SHOWN IN ZONE B-3 SHEET 1.

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

DOUBLE HORIZONTAL TRACK.

3" TRACK CONFIGURATION.

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.

AS RQD: SPACING NTE 30" O.C. BETWEEN TOP VERTICAL TRACK MOUNTING SLOT AND VERT./HORIZ. TRACK JUNCTION.

ADDITIONAL MOUNTING SLOTS SPACED AT 24" CENTERS.

34"

10"

3-1/2"

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

DOOR HEIGHT

VERTICAL TRACK LENGTH

7'-0"

8'-0"

9'-0"

10'-0"

12'-0"

14'-0"

16'-0"

17'-0"

18'-0"

72"

84"

96"

108"

132"

156"

180"

204"

228"

JAMB CONFIGURATION FOR 3" TRACK.

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).

16 GA GALV. STEEL DOUBLE END STILE FASTENED WITH TDG-L-LDC SYSTEM AT TOP, BOTTOM AND CENTER.

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. LONG STEM BALL BEARING STEEL ROLLER.

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

DOUBLE HORIZONTAL TRACK.

SECTION C-C

PREPARATION OF JAMBS BY OTHERS.

DESIGN LOADS: +25.0 P.S.F. & -28.0 P.S.F. TEST LOADS: +37.5 P.S.F. & -42.0 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

Building Products Company

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

MANUFACTURING PRODUCT CODE

C-DISU-1D447

PART NO.: N/A

WINDLOAD RATING

W4 DP25

DESCRIPTION: 1-3/4" MIN. THICK INTELLICORE WINDLOAD 20'-2"

DRAWN BY: RH

DATE: 7/19/16

SCALE: NTS

DWG. SIZE B

CHECKED BY: SH

DATE: -----

SHEET 4 OF 4

VER: IBC

DWG. NO.: 105087

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

FLORIDA PRODUCT APPROVAL 48387.4