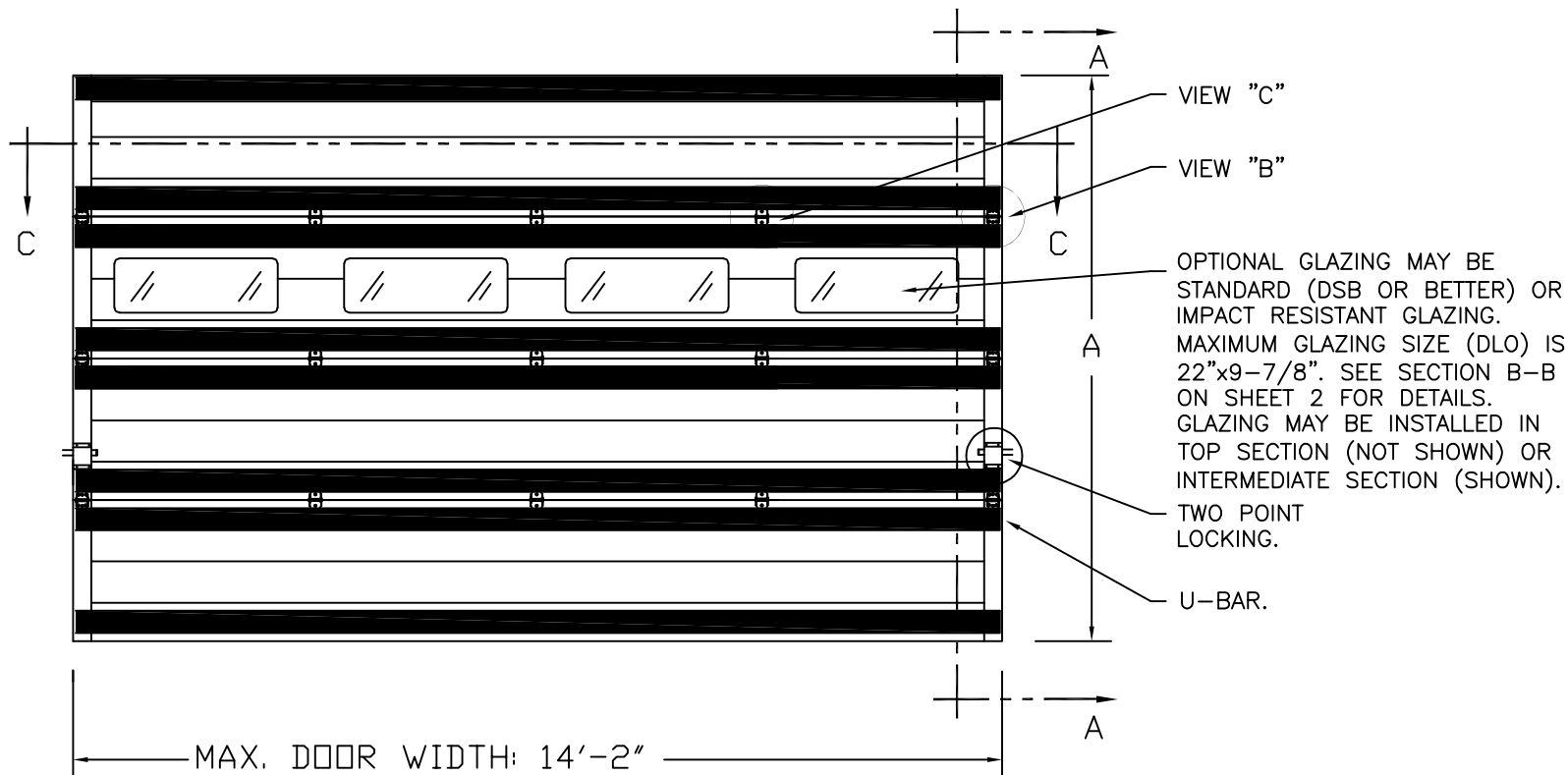


CLOPAY / IDEAL / HOLMES
3717 / C7X17 / -- / 27GA 1.75" THICK MINOR RIB
3718 / C7X18 / -- / 27GA 1.75" THICK FLUSH
3720 / C7X20 / 240U / 27GA 2" THICK MINOR RIB
3722 / COX22 / -- / 20GA 2" THICK FLUSH
3724 / C7X24 / 244U / 24GA 2" THICK MINOR RIB
3730 / -- / -- / 27GA 3" THICK MINOR RIB

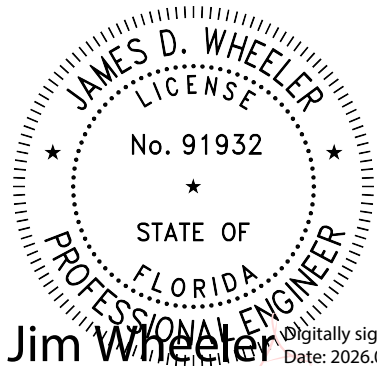
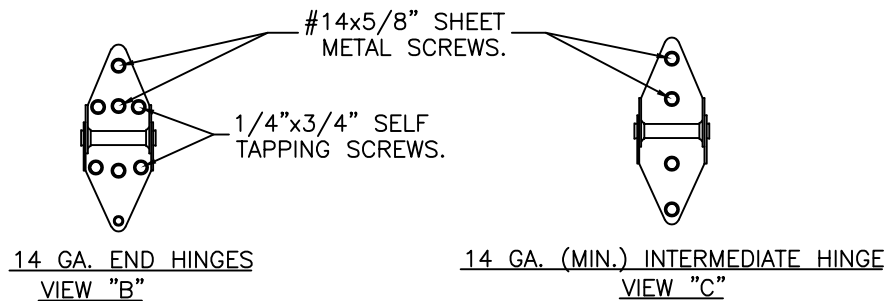
SHEET:
1 OF 4

REVISIONS

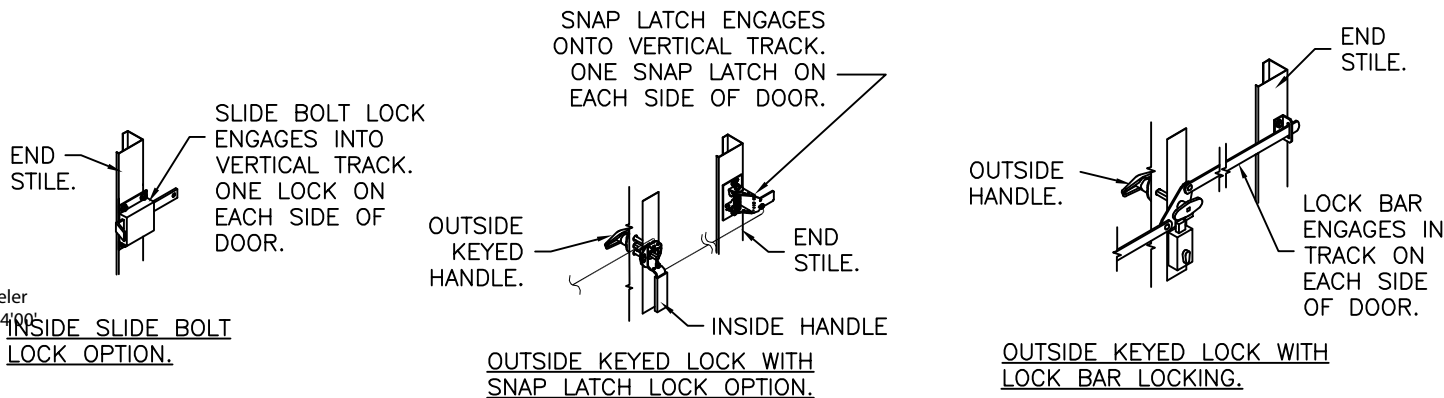
REV. NO.	ZONE:	DATE:	ECN NO.	APPVD:	DESCRIPTION
00	-	3/13/14	-	SH	BASED ON 104043-R05.
01	-	8/10/20	-	SH	UPDATED TITLE BLOCK AND REMOVED WIND CHART.
02	-	3/6/25	-	JDW	ADDED MODEL 3730.
03	-	10/3/25	-	JDW	UPDATED IMPACT RESISTANT GLAZING DETAILS.



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



Jim Wheeler
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

MANUFACTURING PRODUCT CODE
C-DSIU-1D477

PART NO.: N/A

WINDLOAD RATING
W6 DP36

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

FLORIDA PRODUCT APPROVAL 48387.11

4

3

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
03	-	-	-	-	SEE REVISION HISTORY ON SHEET ONE.

D

C

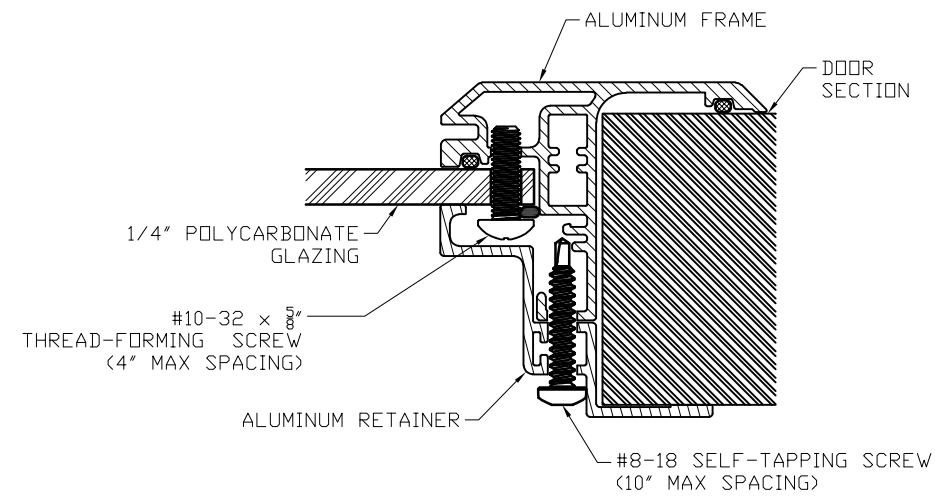
B

A

IMPACT-RESISTANT CONSTRUCTION:

SOLID DOORS (NO GLAZING) OR DOORS WITH OPTIONAL IMPACT-RESISTANT GLAZING ARE IMPACT-RESISTANT. OPTIONAL IMPACT RESISTANT ASSEMBLY CONSISTS OF ALUMINUM FRONT FRAME GE LEXAN MR10, AN APPROVED CC1 PLASTIC IN ACCORDANCE WITH IBC/FBC 2606 AND AN APPROVED C1 PLASTIC IN ACCORDANCE WITH FBC 2612. THE ENTIRE DOOR ASSEMBLY INSTALLED IN COMPLIANCE WITH THIS SECTION MEETS THE WIND LOAD REQUIREMENTS OF THE FLORIDA BUILDING CODE AND INTERNATIONAL BUILDING CODE AND IS LARGE- AND SMALL-MISSILE IMPACT RESISTANT.

SECTION B-B (IMPACT-RESISTANT GLAZING OPTION)



IMPACT-RESISTANT ASSEMBLY DETAILS
DRAWING 104861-A

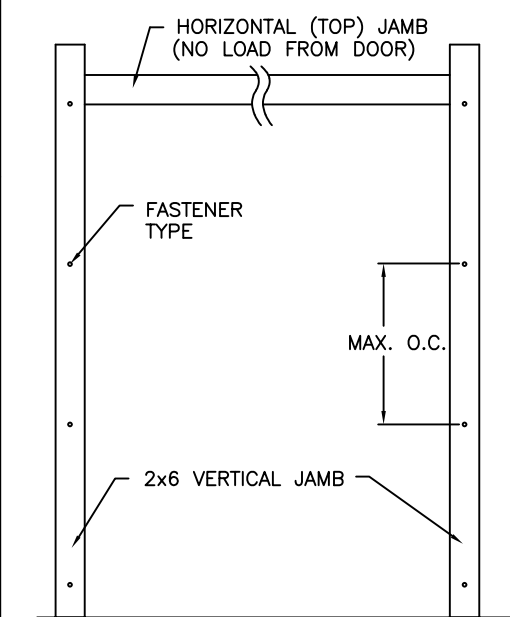
DESIGN ENGINEER:
JAMES D. WHEELER, P.E.
FLORIDA LICENSE No. 91932

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.	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
CHECKED BY: SH		DATE: 2/10/14
DWG. NO.: 104861 - A/B		VER: IBC
SCALE: NTS		DWG. SIZE B
SHEET 2 OF 4		

FLORIDA PRODUCT APPROVAL 48387.11

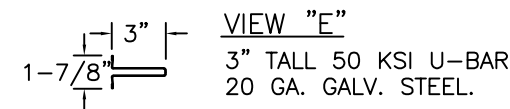
CLOPAY / IDEAL / HOLMES				SHEET: 3 OF 4				REVISIONS			
3717	/	C7X17	/	--	/	27GA	1.75"	THICK MINOR RIB	REV. NO.	ZONE:	DATE:
3718	/	C7X18	/	--	/	27GA	1.75"	THICK FLUSH	ECN NO.	APPVD:	DESCRIPTION
3720	/	C7X20	/	240U	/	27GA	2"	THICK MINOR RIB	03	-	-
3722	/	COX22	/	--	/	20GA	2"	THICK FLUSH	-	-	SEE REVISION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



JAMB TO SUPPORTING STRUCTURE ATTACHMENT

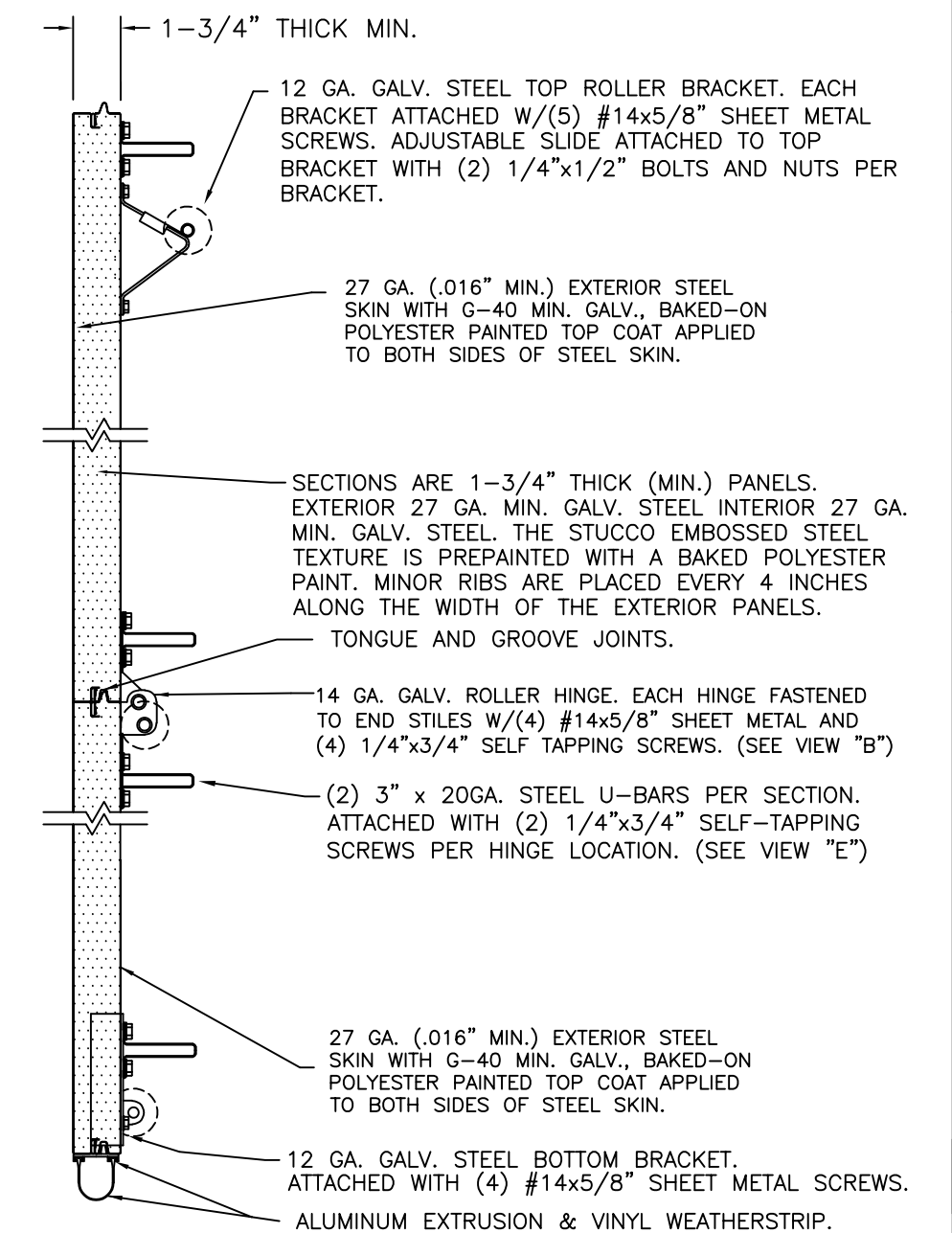
- NOTES:
- ALL THE LOAD FROM THE DOOR IS TRANSFERRED TO THE TRACK AND THEN FROM THE TRACK TO THE 2x6 VERTICAL SYP (GRADE #2 OR BETTER) JAMBS. NO LOAD FROM THE DOOR IS TRANSFERRED TO THE HORIZONTAL (TOP) JAMB.
 - EACH VERTICAL JAMB SEES A MAXIMUM DESIGN LOAD OF +252 LB & -280 LB. PER LINEAR FOOT OF JAMB.
 - 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.



VIEW "E"

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



SECTION A-A (SIDE VIEW)

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:
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FLORIDA LICENSE No. 91932

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Clopay
CORPORATION

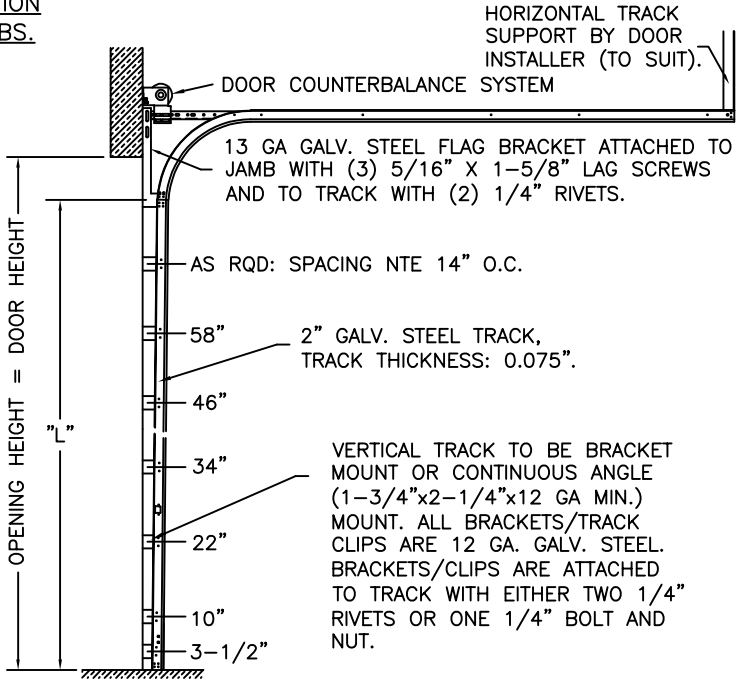
8585 Duke Boulevard
Mason, OH 45040 USA
Tel. No. 513-770-4800
Fax No. 513-770-4853

MANUFACTURING PRODUCT CODE C-DSIU-1D477			
PART NO.: N/A			
WINDLOAD RATING W6 DP36			
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	
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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.

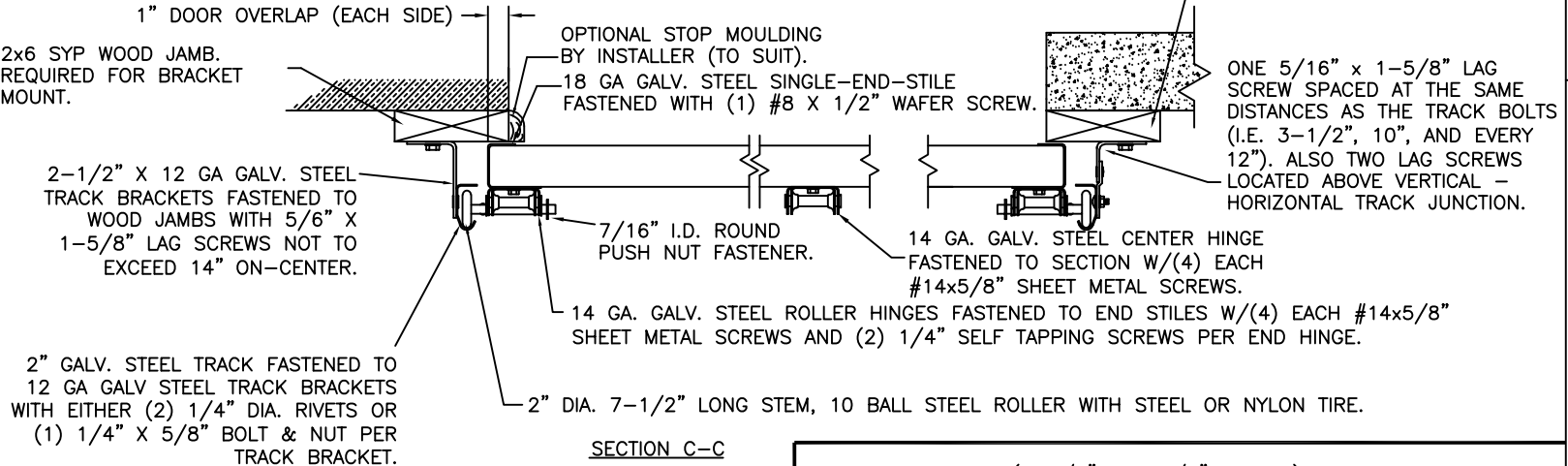
NOTE DOUBLE TRACK HEADROOM, HI-LIFT TRACK, FOLLOW-THE- ROOF TRACK, AND VERTICAL LIFT TRACK ARE AVAILABLE OPTIONS. TRACK CONFIGURATION ABOVE THE DOOR OPENING DOES NOT AFFECT THE WIND LOAD RATING.



DOOR 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"

JAMB CONFIGURATION
DOORS UP TO 800 LBS.

BRACKET MOUNT JAMB CONFIGURATION

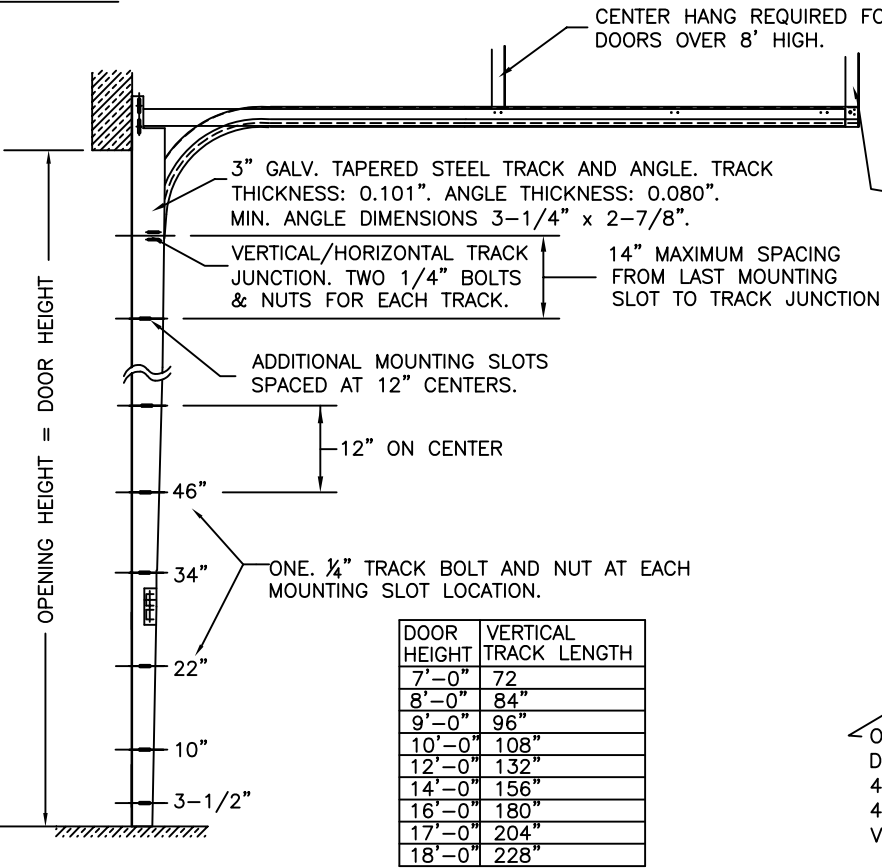


ANGLE MOUNT JAMB CONFIGURATION

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.

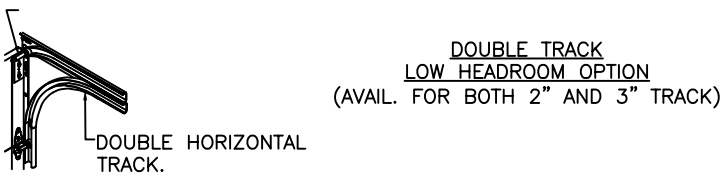
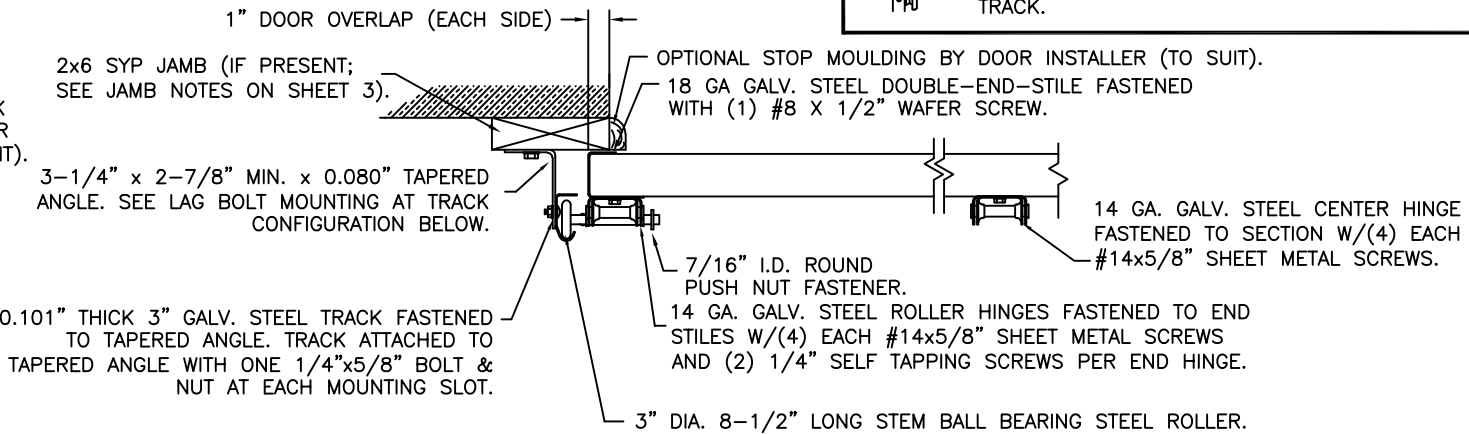
3" TRACK CONFIGURATION
DOORS 800 LBS AND OVER.

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.



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"

JAMB CONFIGURATION
DOORS 800 LBS AND OVER.



SECTION C-C
PREPARATION OF JAMBS BY OTHERS.

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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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	
DWG. NO.: 104861 - A/B		VER: IBC	

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

ONE 5/16" x 1-5/8" LAG SCREW SPACED AT THE SAME DISTANCES AS THE TRACK BOLTS (I.E. 3-1/2", 10", 22", 34", 46", ETC.). ADDITIONAL LAG SCREWS LOCATED AT 16", 28", & 40" FROM BOTTOM. TWO LAG SCREWS ALSO LOCATED ABOVE VERTICAL/HORIZONTAL TRACK JUNCTION.