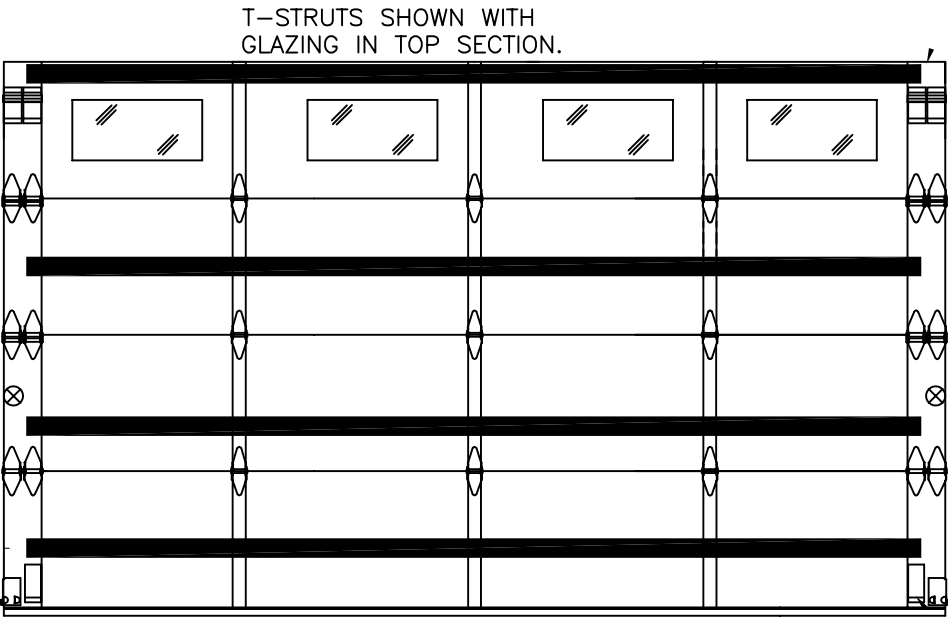
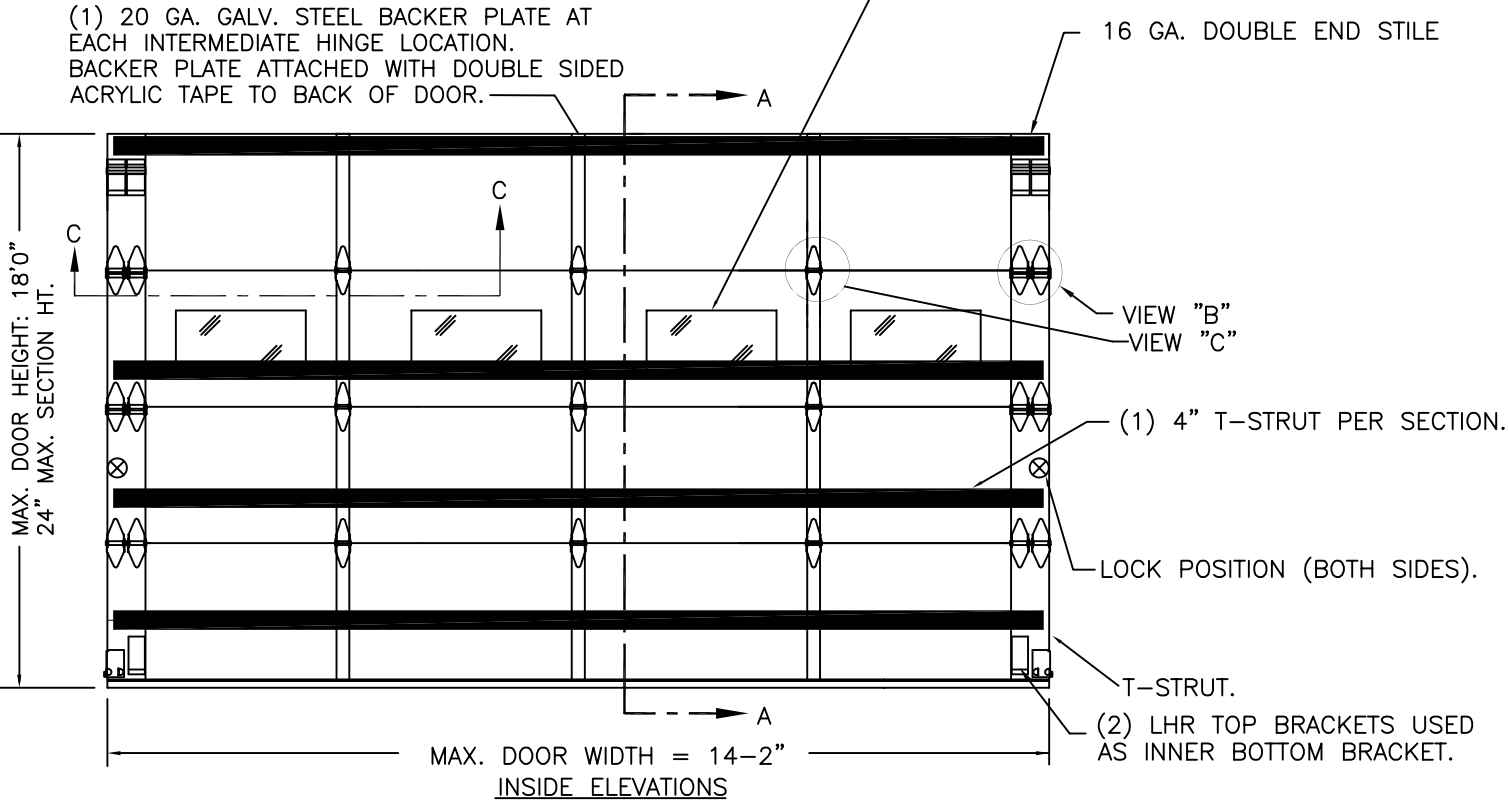


CLOPAY	/	IDEAL	/	HOLMES		
3717	/	C7X17	/	--	/	27GA 1.75" THICK MINOR RIB
3718	/	C7X18	/	--	/	27GA 1.75" THICK FLUSH
3720	/	C7X20	/	240U	/	27GA 2" THICK MINOR RIB
3722	/	COX22	/	--	/	20GA 2" THICK FLUSH
3724	/	C7X24	/	244U	/	24GA 2" THICK MINOR RIB
3730	/	--	/	--	/	27GA 3" THICK MINOR RIB

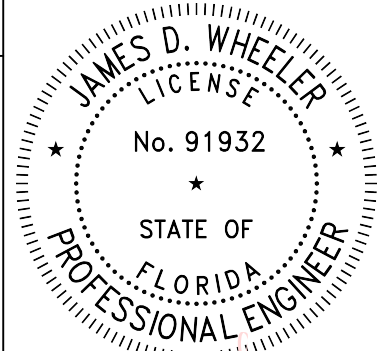
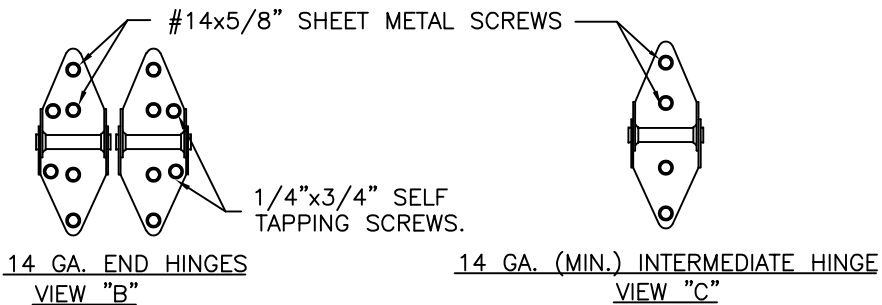
SHEET:
1 OF 4

REVISIONS						
REV. NO.	ZONE:	DATE:	ECN NO.	APPVD:	DESCRIPTION	
02	-	05/13/14	-	RJK	NEW IMPACT WINDOW CROSS SECTION SHEET 2.	
03	-	03/04/15	-	RJK	CORRECTED FOR 3 CENTER STILES AND FOUR WINDOWS.	
04	-	4/15/15	-	SH	ADDED WIND SPEED TABLE.	
05	-	8/10/20	-	SH	UPDATED TITLE BLOCK AND REMOVED WIND CHART	
06	-	04/22/25	-	JDW	ADDED 3" DOOR MODEL 3730.	
07	-	10/3/25	-	JDW	UPDATED IMPACT RESISTANT GLAZING DETAILS.	

OPTIONAL GLAZING SHALL BE IMPACT RESISTANT GLAZING. MAXIMUM GLAZING SIZE (DLO) IS 22"x9-7/8". SEE SECTION B-B ON SHEET 2 FOR DETAILS.
GLAZING MAY BE INSTALLED IN TOP SECTION (NOT SHOWN) OR INTERMEDIATE SECTION (SHOWN).

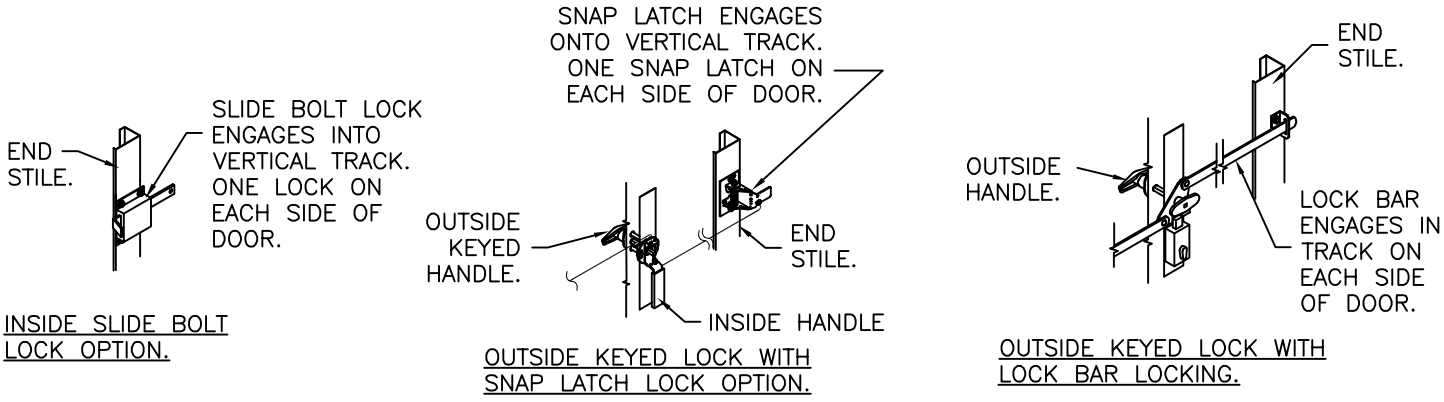


DOOR HEIGHT 'A'	NUMBER OF SECTIONS
UP TO 8'-0"	4
8'-3" THRU 10'-0"	5
10'-3" THRU 12'-0"	6
12'-3" THRU 14'-0"	7
14'-3" THRU 16'-0"	8
16'-3" THRU 18'-0"	9



Digitally signed by Jim Wheeler
Date: 2025.10.17 11:59:29 -04'00'

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



DESIGN LOADS: +52.0 P.S.F. & -58.0 P.S.F.
TEST LOADS: +78.0 P.S.F. & -87.0 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.

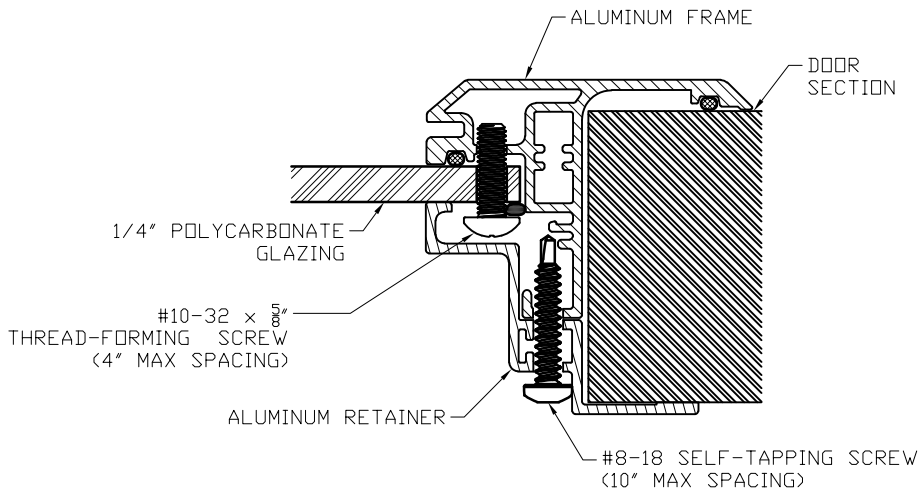
MANUFACTURING PRODUCT CODE C-DSIU-1D477			
PART NO.: N/A			
WINDLOAD RATING W8 DP52T			
DESCRIPTION: 1-3/4" INTELICORE DOORS UP TO 14'2"W (SEE TABLE)			
DRAWN BY: SH	DATE: 4/7/14	SCALE: NTS	DWG. SIZE B
CHECKED BY: SH	DATE: 4/7/14	SHEET 1 OF 4	
DWG. NO.: 104842		VER: IBC	

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

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

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 GLAZING DETAILS

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.

Clopay
CORPORATION

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

WINDLOAD RATING			
W8 DP52T			
DESCRIPTION: 1-3/4" INTELICORE DOORS UP TO 14'2"W (SEE TABLE)			
DRAWN BY: SH	DATE: 4/7/14	SCALE: NTS	DWG. B
CHECKED BY: SH	DATE: 4/7/14	SHEET 2 OF 4	SIZE
DWG. NO.: 104842		VER: IBC	

CLOPAY / IDEAL / HOLMES				SHEET: 3 OF 4				REVISIONS			
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	
				REV. NO.	ZONE:	DATE:	ECN NO.	APPVD:	DESCRIPTION		
				07	-	-	-	-	SEE REVISION HISTORY ON SHEET ONE.		

HORIZONTAL (TOP) JAMB
(NO LOAD FROM DOOR)

FASTENER
TYPE

MAX. O.C.

2x6 VERTICAL JAMB

JAMB TO SUPPORTING STRUCTURE ATTACHMENT

NOTES:

1. 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.

2. EACH VERTICAL JAMB SEES A MAXIMUM DESIGN LOAD OF +364 LB & -406 LB. PER LINEAR FOOT OF JAMB.

3. ALL JAMB FASTENERS MAY BE (BUT ARE NOT REQUIRED TO BE) COUNTERSUNK TO PROVIDE A FLUSH MOUNTING SURFACE.

4. 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.

4"

4-1/4"

VIEW "D"

4" TALL TAPER STRUT.
0.062" MIN. GALV. STEEL,
80 KSI MIN.

POLYURETHANE FOAM INSULATION (2.4# PCF)

SECTION A-A (SIDE VIEW)

1-3/4" THICK MIN.

27 GA. (.016" MIN.) EXTERIOR STEEL SKIN WITH G-40 MIN. GALV., BAKED-ON POLYESTER PAINTED TOP COAT APPLIED TO BOTH SIDES OF STEEL SKIN.

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

SECTIONS ARE 1-3/4" THICK (MIN.) 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 (2) 1/4"x3/4" SELF TAPPING SCREWS. (SEE VIEW "B")

ONE 4" T-STRUT PER SECTION. (SEE VIEW "D") EACH T-STRUT ATTACHED AT EACH HINGE LOCATION WITH (2) 1/4"x3/4" SELF TAPPING SCREWS.

27 GA. (.016" MIN.) EXTERIOR STEEL SKIN WITH G-40 MIN. GALV., BAKED-ON POLYESTER PAINTED TOP COAT APPLIED TO BOTH SIDES OF STEEL SKIN.

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

ALUMINUM EXTRUSION & VINYL WEATHERSTRIP.

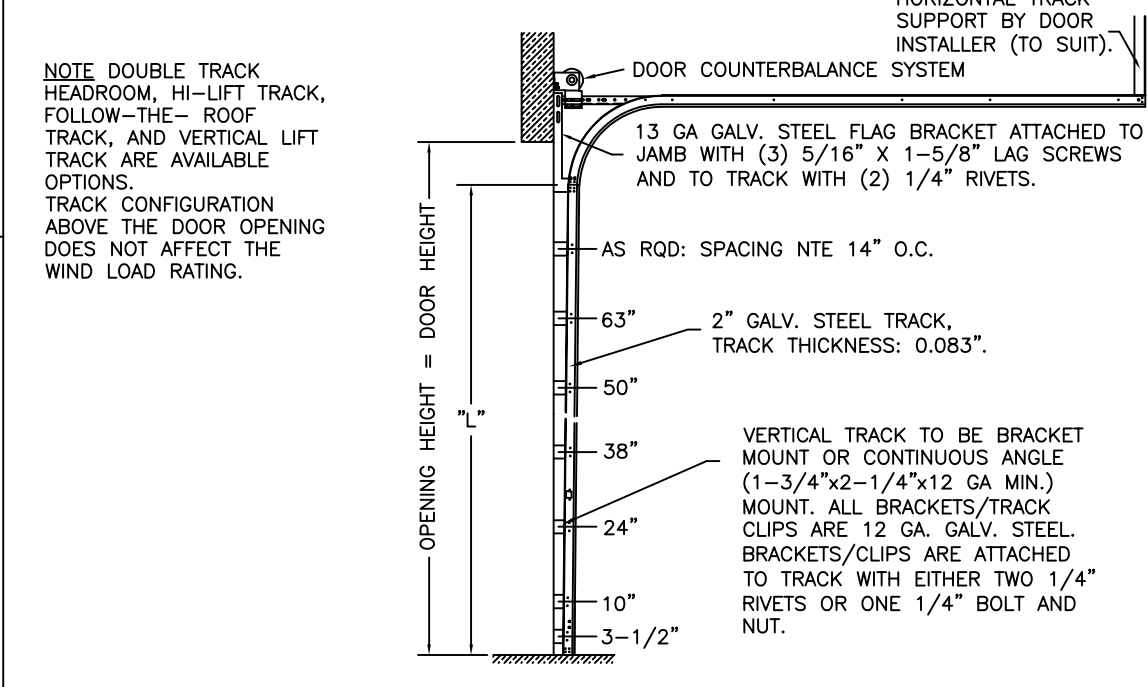
FASTENER ATTACHMENT TO SUPPORTING STRUCTURE SCHEDULES				DESIGN LOADS: +52.0 P.S.F. & -58.0 P.S.F. TEST LOADS: +78.0 P.S.F. & -87.0 P.S.F.				MANUFACTURING PRODUCT CODE C-DSIU-1D477			
BUILDING TYPE	FASTENER TYPE	MAXIMUM ON-CENTER DISTANCE BETWEEN FASTENERS*	STEEL WASHERS REQUIRED?	PART NO.: N/A				WINDLOAD RATING W8 DP52T			
HOLLOW BLOCK WALL	1/4" x 1-1/4" MIN. EMBED ULTRACON CONCRETE ANCHOR	4-1/2"	1" O.D.	Unless Stated Otherwise TOLERANCES are .0 = ±.031 .00 = ±.015 .000 = ±.005 .0000 = ±.001 Degrees = ±1/2"				8585 Duke Boulevard Mason, OH 45040 USA Tel. No. 513-770-4800 Fax No. 513-770-4853			
GROUT FILLED BLOCK WALL	1/4" x 1-3/4" MIN. EMBED ULTRACON CONCRETE ANCHOR	7-1/2"	1" O.D.								
2000 PSI MIN. CONCRETE	1/4" x 1" MIN. EMBED ULTRACON CONCRETE ANCHOR	6-1/2"	1" O.D.	DESCRIPTION: 1-3/4" INTELLICORE DOORS UP TO 14'2"W (SEE TABLE)				DRAWN BY: SH DATE: 4/7/14 SCALE: NTS DWG. B			
2000 PSI MIN. CONCRETE	1/4" x 1" MIN. EMBED TAPCON CONCRETE ANCHOR	5-1/4"	1" O.D.								
2000 PSI MIN. CONCRETE	3/8" x 1-3/4" MIN. EMBED WEJ-IT ANKR TITE SLEEVE ANCHOR	13-3/4"	INCLUDED	CHECKED BY: SH DATE: 4/7/14 SHEET 3 OF 4				VER: IBC			
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	15"	1" O.D.	DWG. NO.: 104842							
14GA STEEL (0.060" MIN.)	1/4"-14 x 1" ITW BUILDEX TEKS SELF-DRILLING FASTENER	6"	1" O.D.								
12GA STEEL (0.105" MIN.)	1/4"-14 x 1" ITW BUILDEX TEKS SELF-DRILLING FASTENER	11"	1" O.D.								
1/8" STEEL	1/4"-14 x 1" ITW BUILDEX TEKS SELF-DRILLING FASTENER	13"	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

2 FLORIDA PRODUCT APPROVAL 17671

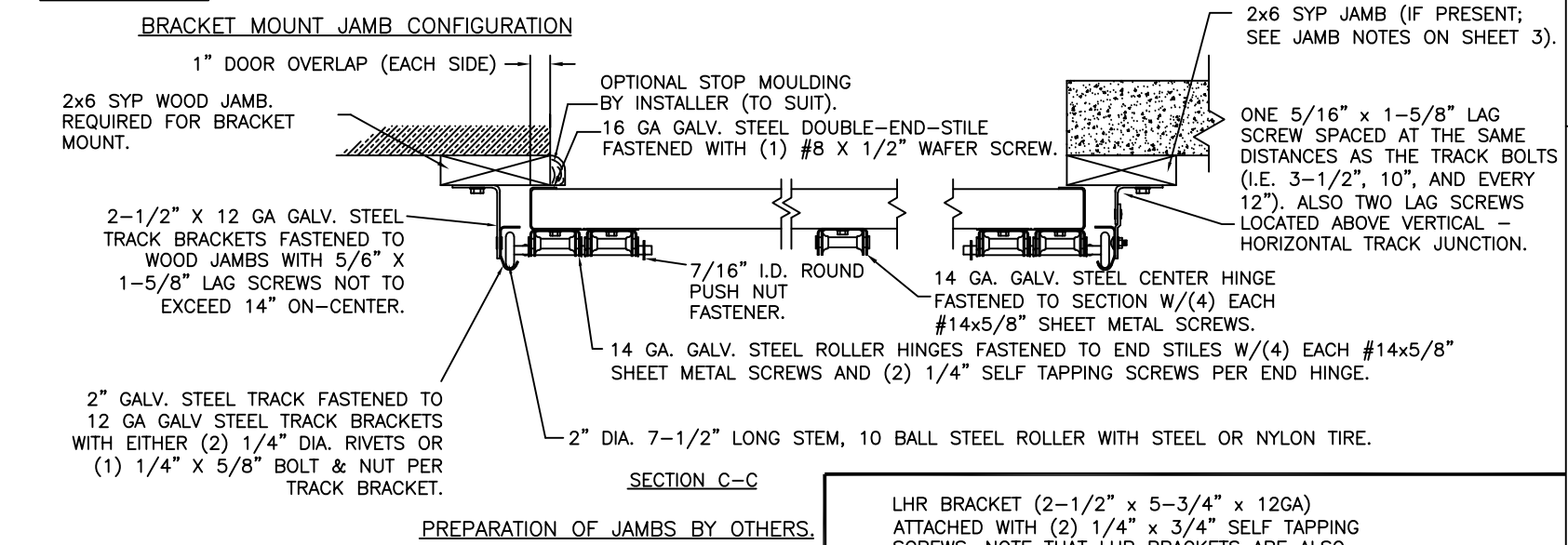
CLOPAY / IDEAL / HOLMES			
3717	/ C7X17 / --	/ 27GA 1.75" THICK MINOR RIB	
3718	/ C7X18 / --	/ 27GA 1.75" THICK FLUSH	
3720	/ C7X20 / 240U	/ 27GA 2" THICK MINOR RIB	
3722	/ COX22 / --	/ 20GA 2" THICK FLUSH	
3724	/ C7X24 / 244U	/ 24GA 2" THICK MINOR RIB	
3730	/ -- / --	/ 27GA 3" THICK MINOR RIB	

2" TRACK CONFIGURATION.

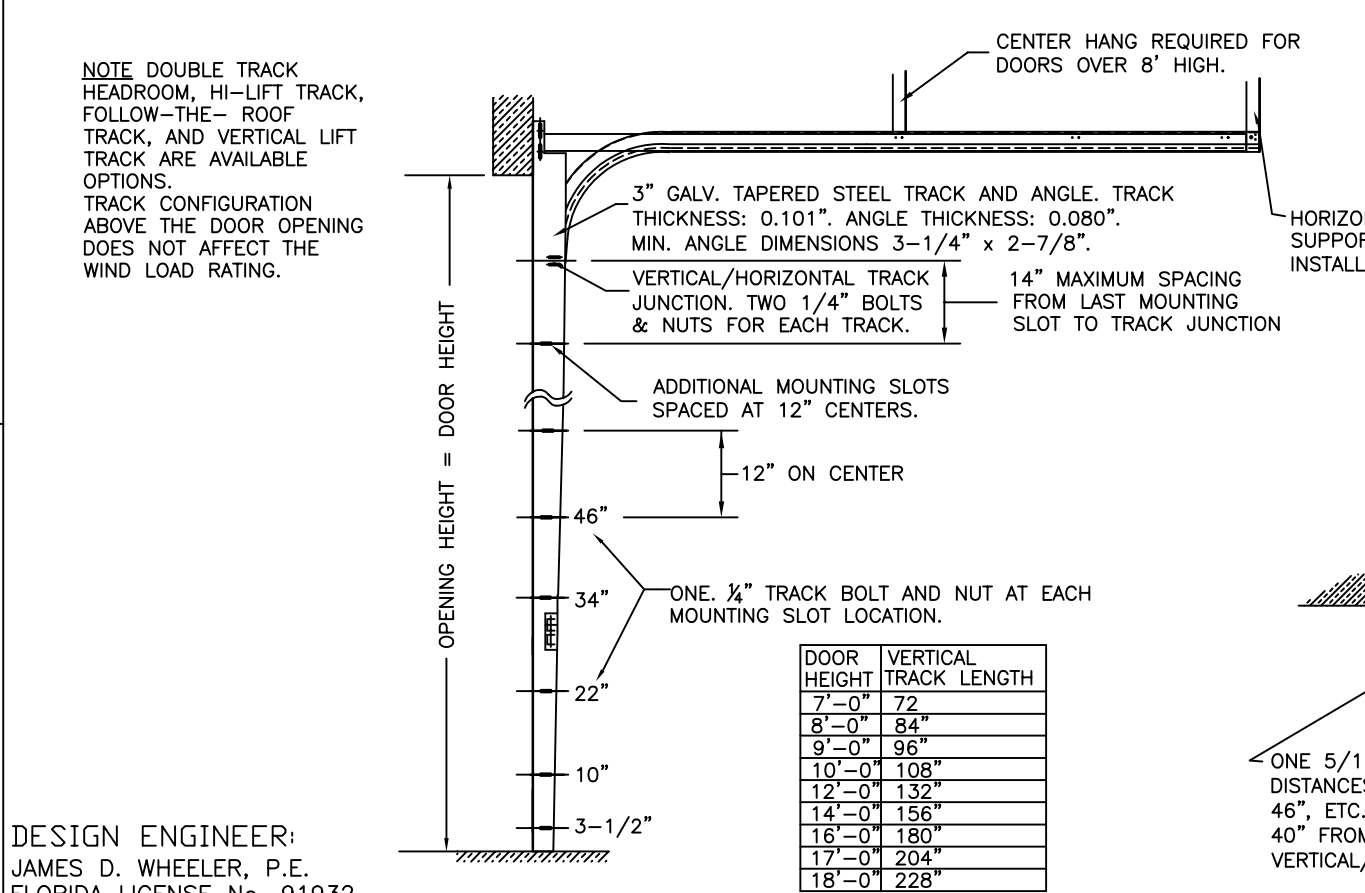


DOOR HEIGHT	"L"
6'-6"	70"
7'-0"	76"
7'-6"	82"
8'-0"	88"
8'-6"	94"
9'-0"	100"
9'-6"	106"
10'-0"	112"
10'-6"	118"
11'-0"	124"
11'-6"	130"
12'-0"	136"
12'-6"	142"
13'-0"	148"
13'-6"	154"
14'-0"	160"
14'-6"	166"
15'-0"	172"
15'-6"	178"
16'-0"	184"
16'-6"	190"
17'-0"	196"
17'-6"	202"
18'-0"	208"

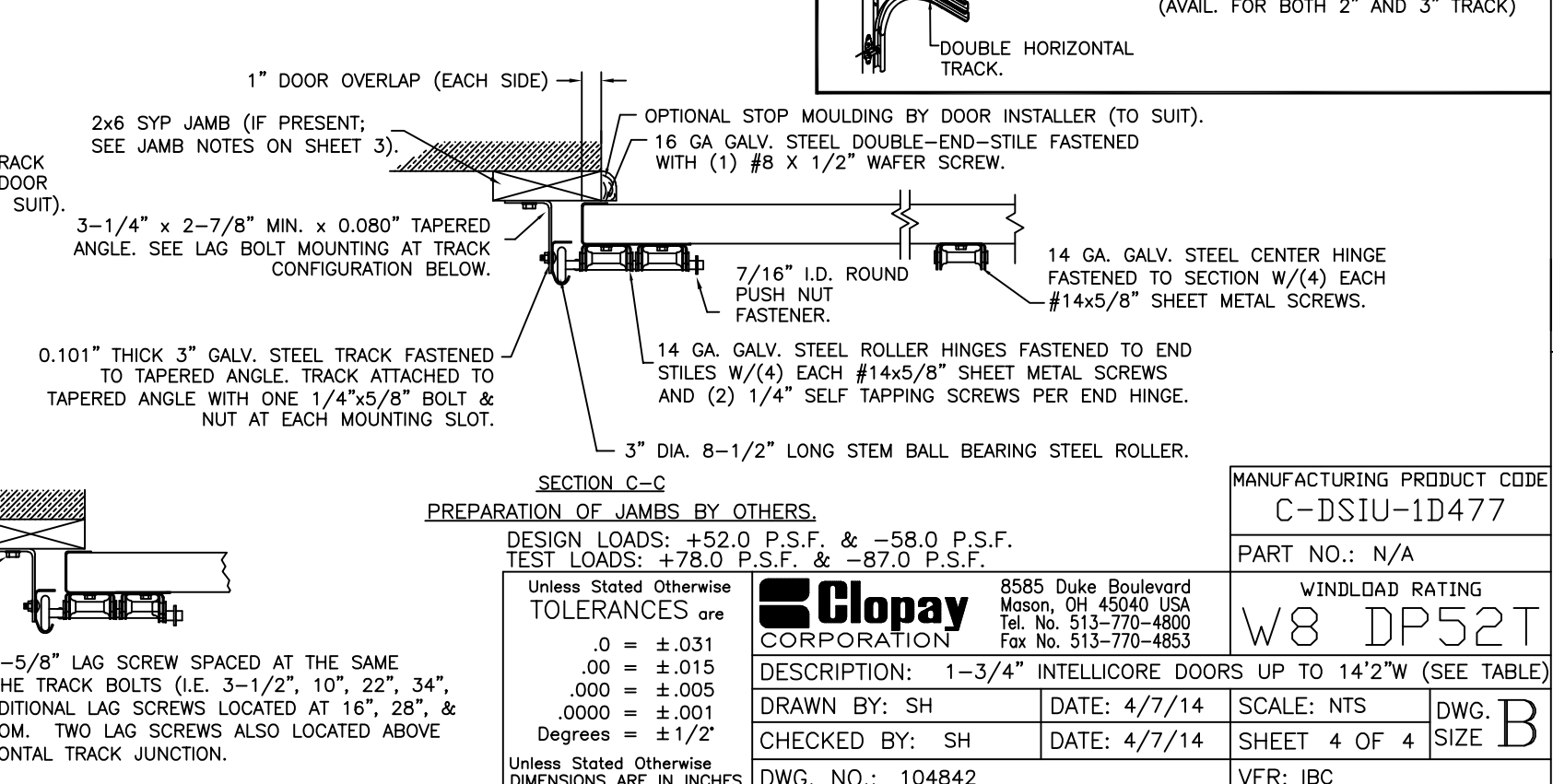
JAMB CONFIGURATION FOR 2" TRACK.



3" TRACK CONFIGURATION.



JAMB CONFIGURATION FOR 3" TRACK.



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