

CLOPAY	/	IDEAL	/	HOLMES
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 3

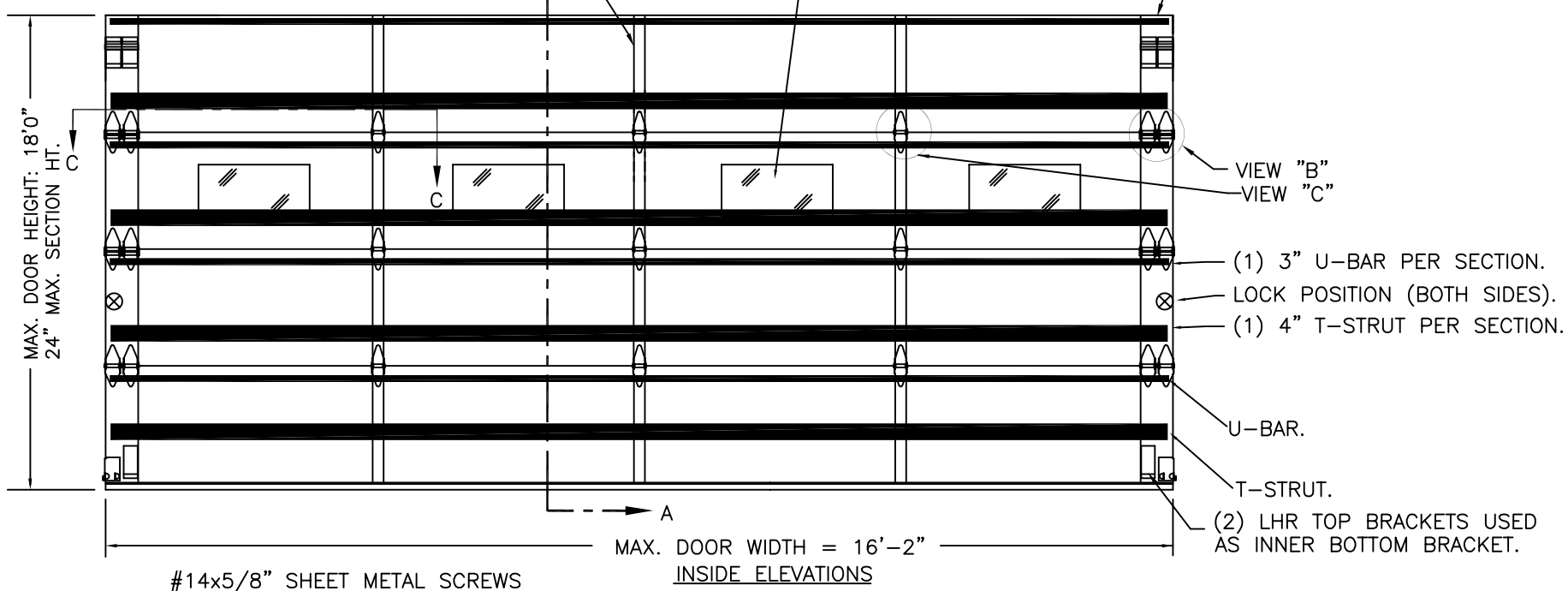
REVISIONS

REV. NO.	ZONE:	DATE:	ECN NO.	APPVD:	DESCRIPTION
00	—	4/10/14	—	SH	INITIAL DRAWING.
01	—	4/15/15	—	SH	ADDED WIND SPEED TABLE.
02	—	8/10/20	—	SH	UPDATED TITLE BLOCK AND REMOVED WIND CHART
03	—	04/22/25	—	JDW	ADDED 3" DOOR MODEL 3730.
04	—	10/6/25	—	DH	REVISED IMPACT RESISTANT GLAZING DETAILS

(1) 20 GA. GALV. STEEL BACKER PLATE AT EACH INTERMEDIATE HINGE LOCATION. BACKER PLATE ATTACHED WITH DOUBLE SIDED ACRYLIC ADHESIVE TO BACK OF DOOR.

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

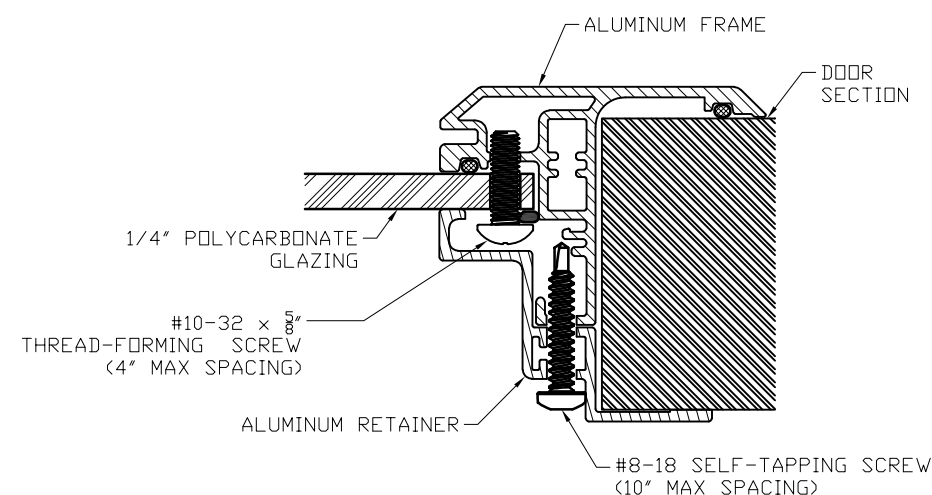
16 GA. DOUBLE END STILE



IMPACT-RESISTANT CONSTRUCTION:

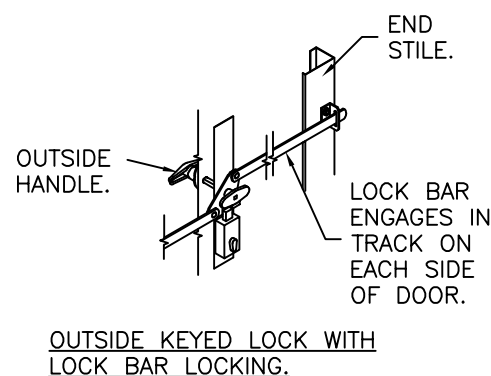
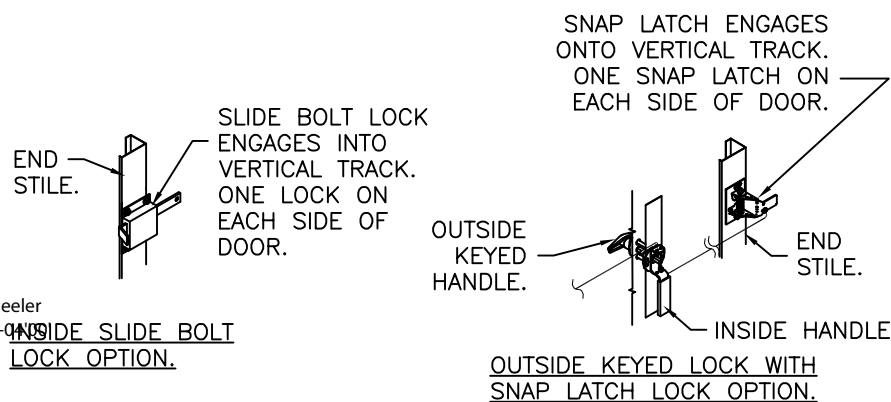
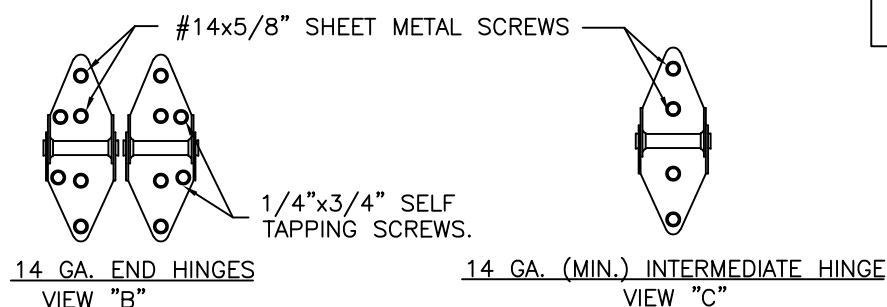
SOLID DOORS (NO GLAZING) OR DOORS WITH OPTIONAL IMPACT-RESISTANT GLAZING ARE IMPACT-RESISTANT. OPTIONAL IMPACT RESISTANT ASSEMBLY CONSISTS OF ALUMINUM FRONT FRAME GE LEXAN MR10, AN APPROVED CC1 PLASTIC IN ACCORDANCE WITH IBC/FBC 2606 AND AN APPROVED C1 PLASTIC IN ACCORDANCE WITH FBC 2612. THE ENTIRE 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)



DOOR HEIGHT 'A'	NUMBER OF SECTIONS
4'-3" THRU 6'-0"	3
6'-3" THRU 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

DOOR WIDTH	NUMBER OF INTERMEDIATE HINGES/JOINT
9'-3" THRU 13'-2"	2
13'-3" THRU 16'-2"	3



DESIGN LOADS: +50.0 P.S.F. & -58.0 P.S.F.
TEST LOADS: +75.0 P.S.F. & -87.0 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.



Clopay
CORPORATION

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

DESCRIPTION:	2" INTELICORE DOORS UP TO 16'2"W (SEE TABLE)
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DRAWN BY: SH

DATE: 4/10/14

DWG. NO.: 104900

MANUFACTURING PRODUCT CODE
C-DSIU-1F477

PART NO.: N/A

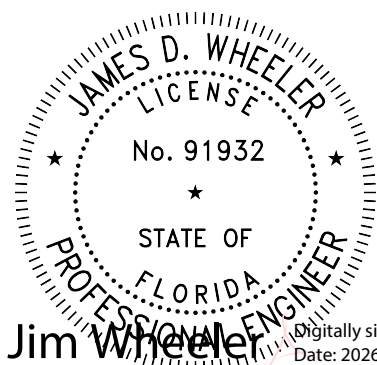
WINDLOAD RATING
W8 DP50T

DRAWN BY: SH

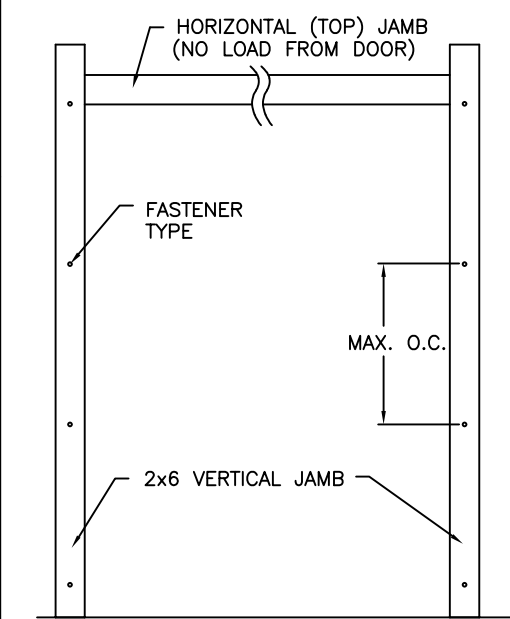
DATE: 4/10/14

VER: IBC

DWG. B



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

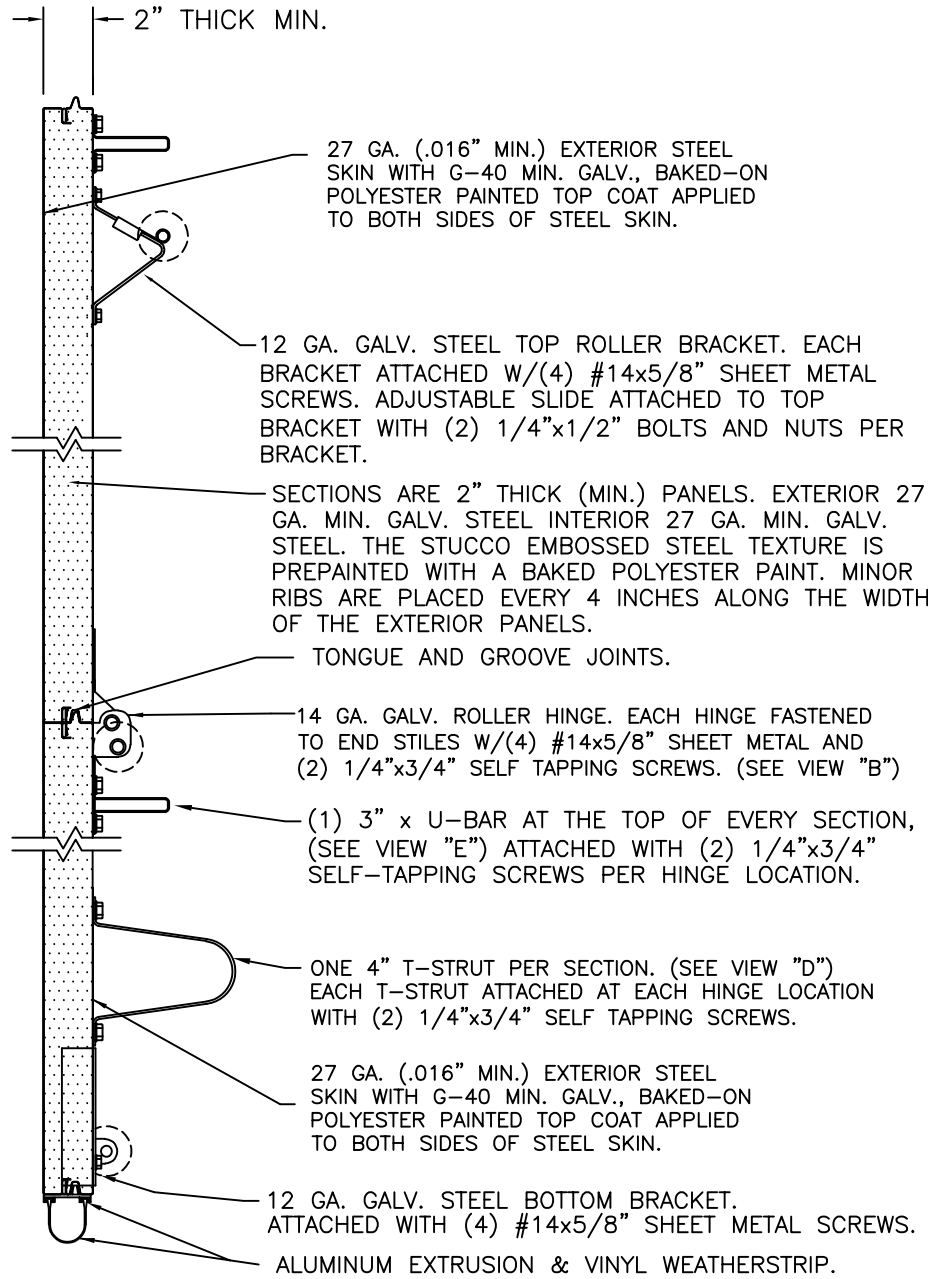
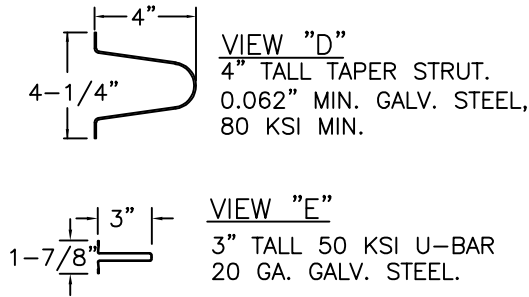


JAMB TO SUPPORTING STRUCTURE ATTACHMENT

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 +400 LB & -464 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	4"	1" O.D.
GROUT FILLED BLOCK WALL	1/4" x 1-3/4" MIN. EMBED ULTRACON CONCRETE ANCHOR	6-3/4"	1" O.D.
2000 PSI MIN. CONCRETE	1/4" x 1" MIN. EMBED ULTRACON CONCRETE ANCHOR	6"	1" O.D.
2000 PSI MIN. CONCRETE	1/4" x 1" MIN. EMBED TAPCON CONCRETE ANCHOR	4-3/4"	1" O.D.
2000 PSI MIN. CONCRETE	3/8" x 1-3/4" MIN. EMBED WEJ-IT ANKR TITE SLEEVE ANCHOR	12-1/2"	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	13-1/2"	1" O.D.
14GA STEEL (0.060" MIN.)	1/4"-14 x 1" ITW BUILDEX TEKS SELF-DRILLING FASTENER	5-3/4"	1" O.D.
12GA STEEL (0.105" MIN.)	1/4"-14 x 1" ITW BUILDEX TEKS SELF-DRILLING FASTENER	10"	1" O.D.
1/8" STEEL	1/4"-14 x 1" ITW BUILDEX TEKS SELF-DRILLING FASTENER	12"	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

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TEST LOADS: +75.0 P.S.F. & -87.0 P.S.F.

Unless Stated Otherwise
TOLERANCES are
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.00 = ±.015
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Degrees = ±1/2°
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MANUFACTURING PRODUCT CODE
C-DSIU-1F477

PART NO.: N/A

WINDLOAD RATING
W8 DP50T

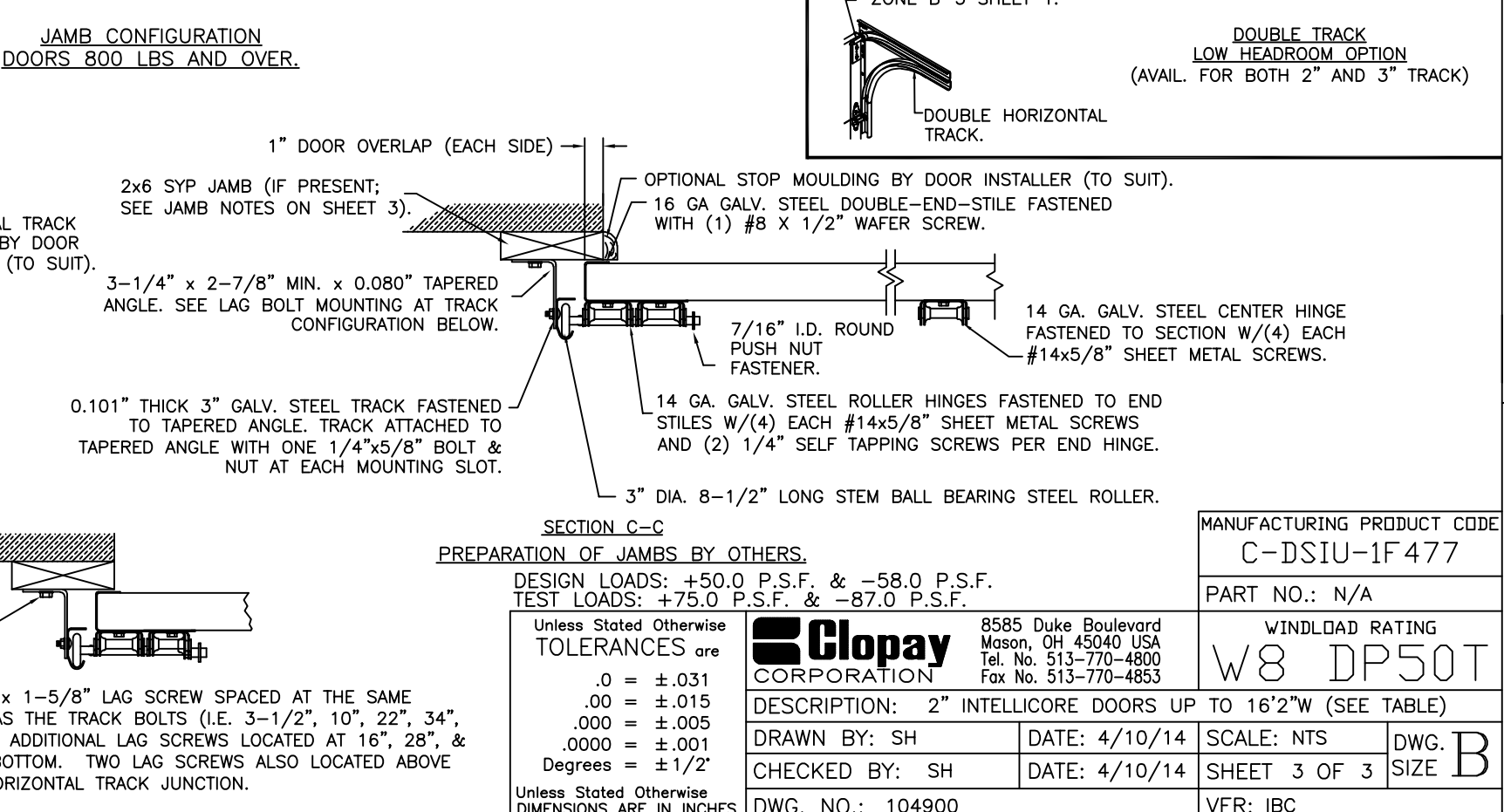
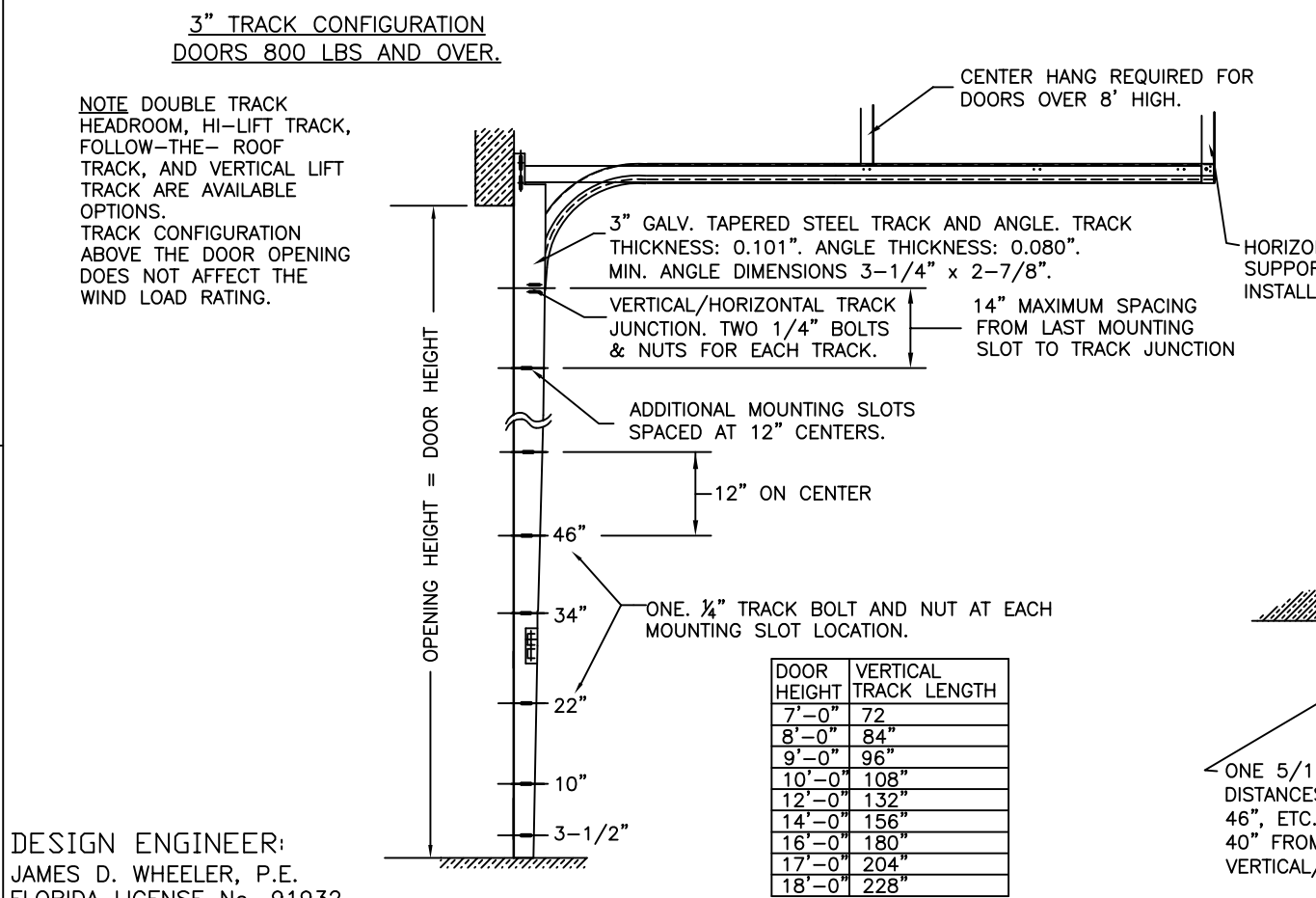
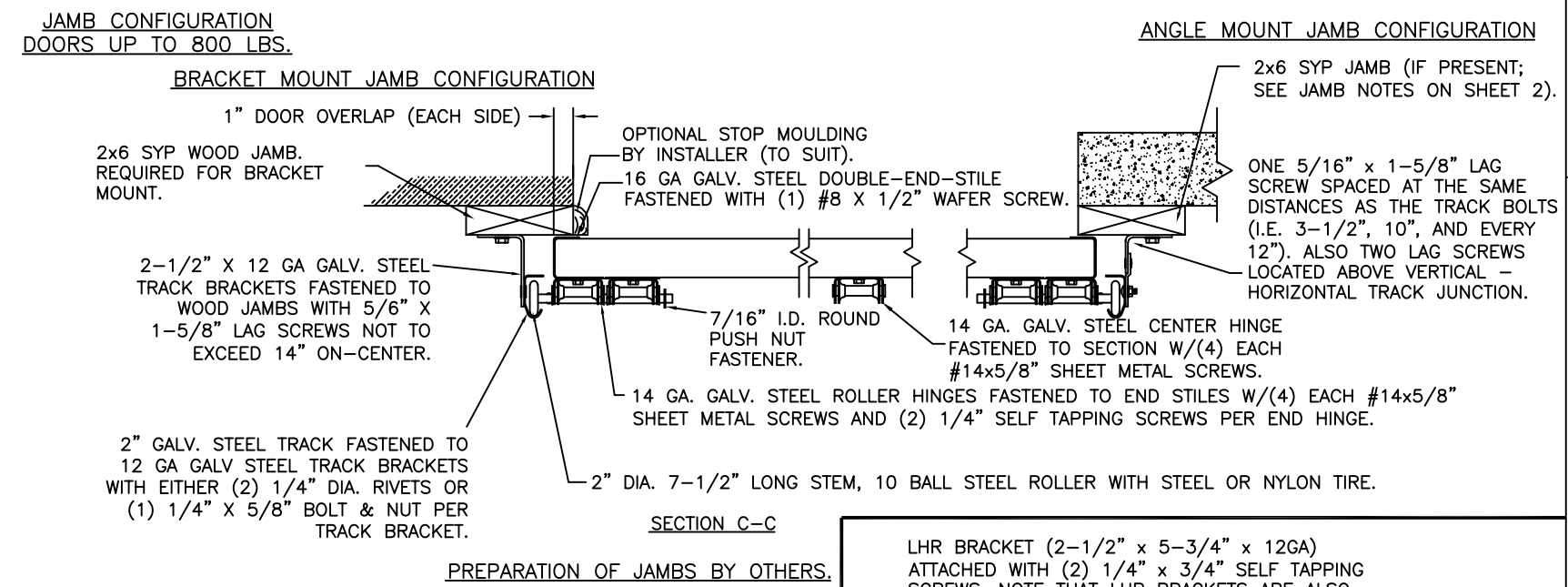
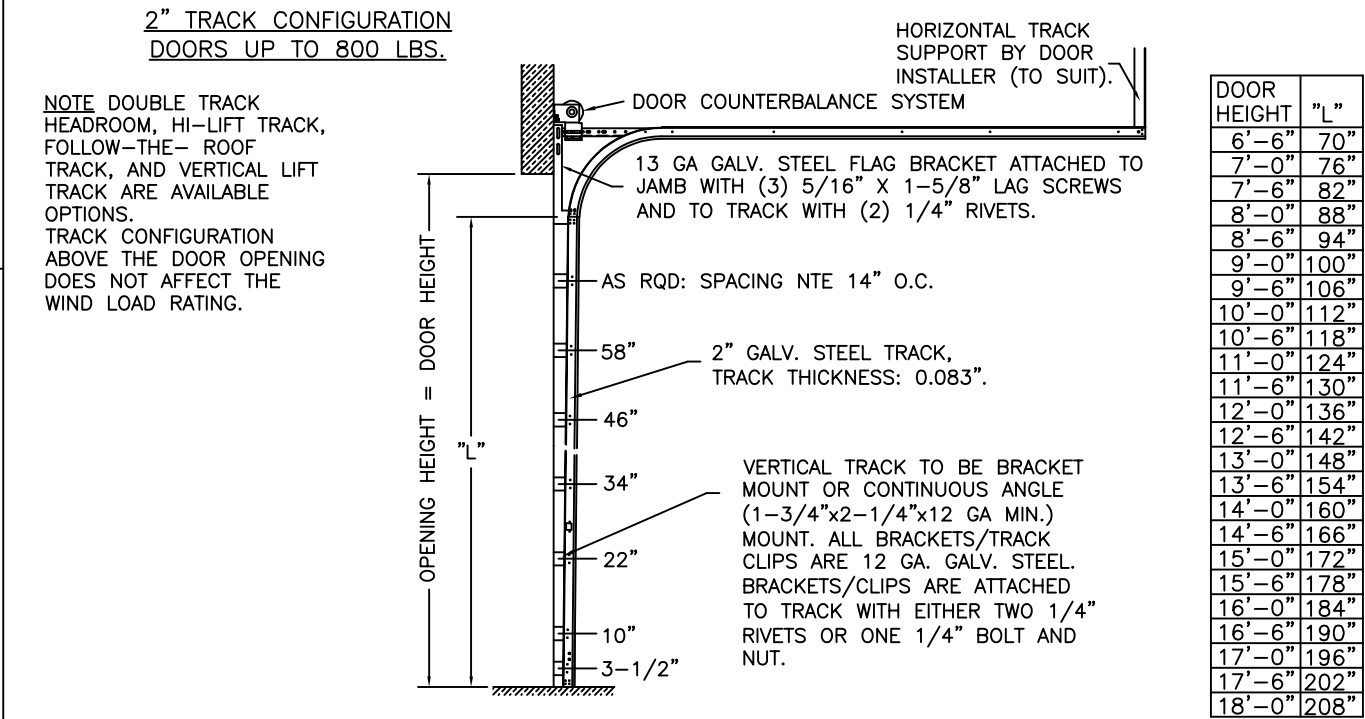
DESCRIPTION: 2" INTELLICORE DOORS UP TO 16'2"W (SEE TABLE)

DRAWN BY: SH DATE: 4/10/14 SCALE: NTS DWG. SIZE B

CHECKED BY: SH DATE: 4/10/14 SHEET 2 OF 3

DWG. NO.: 104900 VER: IBC

FLORIDA PRODUCT APPROVAL 48387.18



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

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TOLERANCES are .0 = ±.031 .00 = ±.015 .000 = ±.005 .0000 = ±.001 Degrees = ±1/2° Unless Stated Otherwise DIMENSIONS ARE IN INCHES.		PART NO.: N/A	
Clopay CORPORATION		WINDLOAD RATING W8 DP50T	
DESCRIPTION: 2" INTELLICORE DOORS UP TO 16'2"W (SEE TABLE)		DRAWN BY: SH	
CHECKED BY: SH		DATE: 4/10/14	
DWG. NO.: 104900		SCALE: NTS	
		SHEET 3 OF 3	
		VER: IBC	