

CLOPAY / IDEAL / HOLMES INTELLICORE DOORS UP TO 22' 2" W x 18' 0" H MAXIMUM
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

REV. NO. ZONE: DATE: ECN NO. APPVD: DESCRIPTION
00 - 7/21/16 - SH BASED ON 104644-R00.
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 INFORMATION
04 - 4/16/26 - JDW REMOVED WINDSPEED TABLE.

(1) 20 GA. X 2" GALV. STEEL BACKER PLATE AT EACH INTERMEDIATE HINGE LOCATION. BACKER PLATE ATTACHED WITH DOUBLE SIDED ACRYLIC ADHESIVE TO BACK OF DOOR.

U-BAR SEE SECTION A-A FOR DETAILS
VIEW 'B'

ADJUSTABLE TOP ROLLER BRACKETS

T-STRUT SEE SECTION A-A FOR DETAILS

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 REQUIREMENTS.

VIEW 'A'

TWO POINT (MIN) LOCKING REQUIRED

3" ROLLER CARRIER PART # 0120394. MOUNT WITH QTY 3 SELF DRILLING SCREWS AS SHOWN

MAX. DOOR WIDTH 22'-2"

MODEL	WIDTH	GLAZING TYPE	REINFORCEMENT
'CLASSIC' 1-3/4" SECTIONS	16' 4" - 22' 2"	ALL TYPES	(1) 4" 80 KSI T-STRUT & (1) 3" 20 GA. U-BAR/SECTION
'CONTEMPORARY' FV200/FV200U	16' 4" - 20' 2" 20' 4" - 22' 2"	ALL TYPES	(1) 3" X 2" ALUM. ANGLE/SECTION (1) 4" 80 KSI T-STRUT & (1) 3" 20 GA. U-BAR/SECTION

JAMES D. WHEELER
LICENSE
No. 91932
STATE OF FLORIDA
PROFESSIONAL ENGINEER
Jim Wheeler
DESIGN ENGINEER:
JAMES D. WHEELER, P.E.
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14 GA. END HINGES
VIEW "A"

14 GA. (MIN.) INTERMEDIATE HINGE
VIEW "B"

SLIDE BOLT LOCK ENGAGES INTO VERTICAL TRACK. ONE LOCK ON EACH SIDE OF DOOR.

END STILE.

INSIDE SLIDE BOLT LOCK OPTION.

SNAP LATCH ENGAGES ONTO VERTICAL TRACK. ONE SNAP LATCH ON EACH SIDE OF DOOR.

OUTSIDE KEYED HANDLE.

END STILE.

INSIDE HANDLE

OUTSIDE KEYED LOCK WITH SNAP LATCH LOCK OPTION.

OUTSIDE KEYED LOCK WITH LOCK BAR LOCKING.

END STILE.

LOCK BAR ENGAGES IN TRACK ON EACH SIDE OF DOOR.

OUTSIDE HANDLE.

DESIGN LOADS: +30.0 P.S.F. & -30.0 P.S.F.
TEST LOADS: +45.0 P.S.F. & -45.0 P.S.F.

Unless Stated Otherwise
TOLERANCES are
.0 = ±.031
.00 = ±.015
.000 = ±.005
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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-DSIU-1F447

PART NO.: N/A

WINDLOAD RATING
W5 DP30

DESCRIPTION: 1-3/4" INTELLICORE WINDLOAD 22'-2"

DRAWN BY: RH DATE: 7/21/16 SCALE: NTS DWG. SIZE B

CHECKED BY: SH DATE: ----- SHEET 1 OF 4

DWG. NO.: 105073 VER: IBC

FLORIDA PRODUCT APPROVAL 48387.7

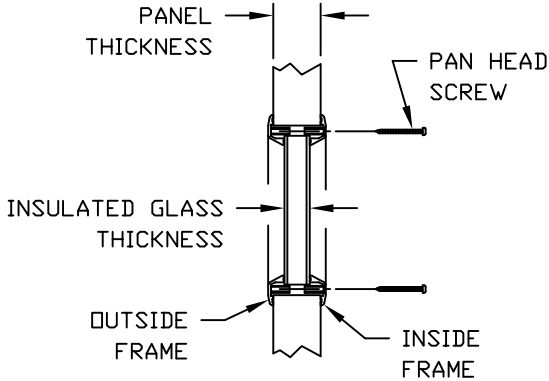
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2		1				
SHEET: 2 OF 4	REVISIONS					
	REV. NO.	ZONE:	DATE:	ECN NO.	APPVD:	DESCRIPTION
	02	-	-	-	-	SEE REVISION HISTORY ON SHEET ONE.

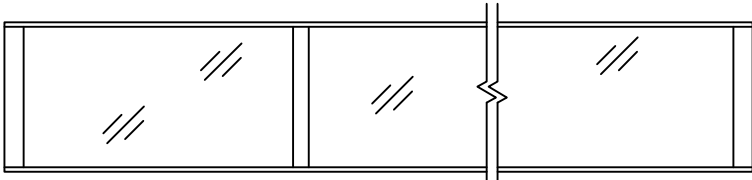
THE OPTIONAL GLAZING SHOWN ON THIS DRAWING MEETS THE WIND LOAD REQUIREMENTS OF THE FLORIDA BUILDING CODE OR INTERNATIONAL BUILDING CODE BUT DOES NOT MEET THE IMPACT RESISTANT REQUIREMENT FOR WINDBORNE DEBRIS REGIONS (FBC / IBC CHAPTER 16).

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)



NON-IMPACT-RESISTANT
FULL VISION SECTION OPTION



OPTIONAL 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	16' 4" - 22' 2"	ALL TYPES	(1) 4" 80 KSI T-STRUT & (1) 3" 20 GA. U-BAR/SECTION
'CONTEMPORARY' FV200/FV200U	16' 4" - 20' 2"	ALL TYPES	(1) 3" X 2" ALUM. ANGLE/SECTION
	20' 4" - 22' 2"		(1) 4" 80 KSI T-STRUT & (1) 3" 20 GA. U-BAR/SECTION

STANDARD ASSEMBLY DETAILS

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

DESIGN LOADS: +30.0 P.S.F. & -30.0 P.S.F.
TEST LOADS: +45.0 P.S.F. & -45.0 P.S.F.

Unless Stated Otherwise
TOLERANCES are
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Degrees = ±1/2'
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DIMENSIONS ARE IN INCHES.



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WINDLOAD RATING
W5 DP30

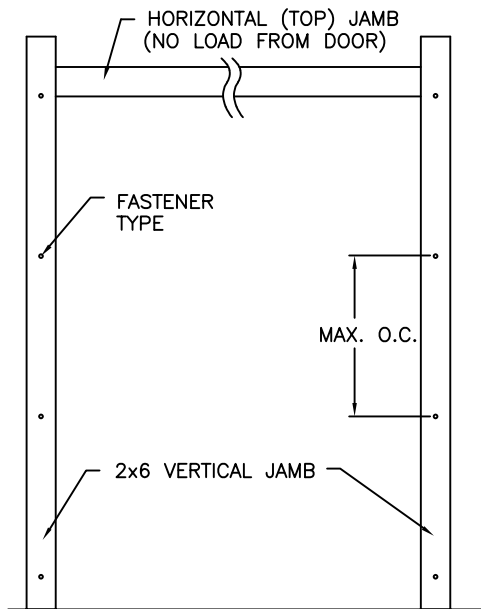
SCALE: NTS DWG. SIZE B

SHEET 2 OF 4

VER: IBC

CLOPAY / IDEAL / HOLMES	INTELLICORE DOORS UP TO 22' 2" W x 18' 0" H MAXIMUM
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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 +330 LB & -330 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.

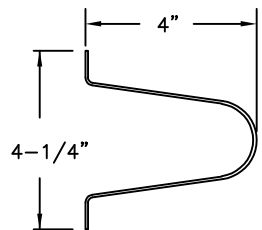
FASTENER ATTACHMENT TO SUPPORTING STRUCTURE SCHEDULES

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	5"	1" O.D.
GROUT FILLED BLOCK WALL	1/4" x 1-3/4" MIN. EMBED ULTRACON CONCRETE ANCHOR	8-1/4"	1" O.D.
2000 PSI MIN. CONCRETE	1/4" x 1" MIN. EMBED ULTRACON CONCRETE ANCHOR	7-1/4"	1" O.D.
2000 PSI MIN. CONCRETE	1/4" x 1" MIN. EMBED TAPCON CONCRETE ANCHOR	6-3/4"	1" O.D.
2000 PSI MIN. CONCRETE	3/8" x 1-3/4" MIN. EMBED WEJ-IT ANKR TITE SLEEVE ANCHOR	15"	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	16-1/2"	1" O.D.
14GA STEEL (0.060" MIN.)	1/4"-14 x 1" ITW BUILDDEX TEKS SELF-DRILLING FASTENER	6-3/4"	1" O.D.
12GA STEEL (0.105" MIN.)	1/4"-14 x 1" ITW BUILDDEX TEKS SELF-DRILLING FASTENER	12"	1" O.D.
1/8" STEEL	1/4"-14 x 1" ITW BUILDDEX TEKS SELF-DRILLING FASTENER	14-1/2"	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.

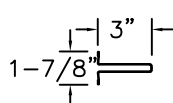
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POLYURETHANE FOAM INSULATION
(2.4# PCF)



VIEW "D"

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



VIEW "E"

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

24 GA. MIN. EXTERIOR STEEL WITH GALV.
& POLYESTER FINISH

27 GA. MIN. INTERIOR STEEL SKIN WITH GALV. &
POLYESTER FINISH

SECTION A-A (SIDE VIEW)

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SHEET 3 OF 4

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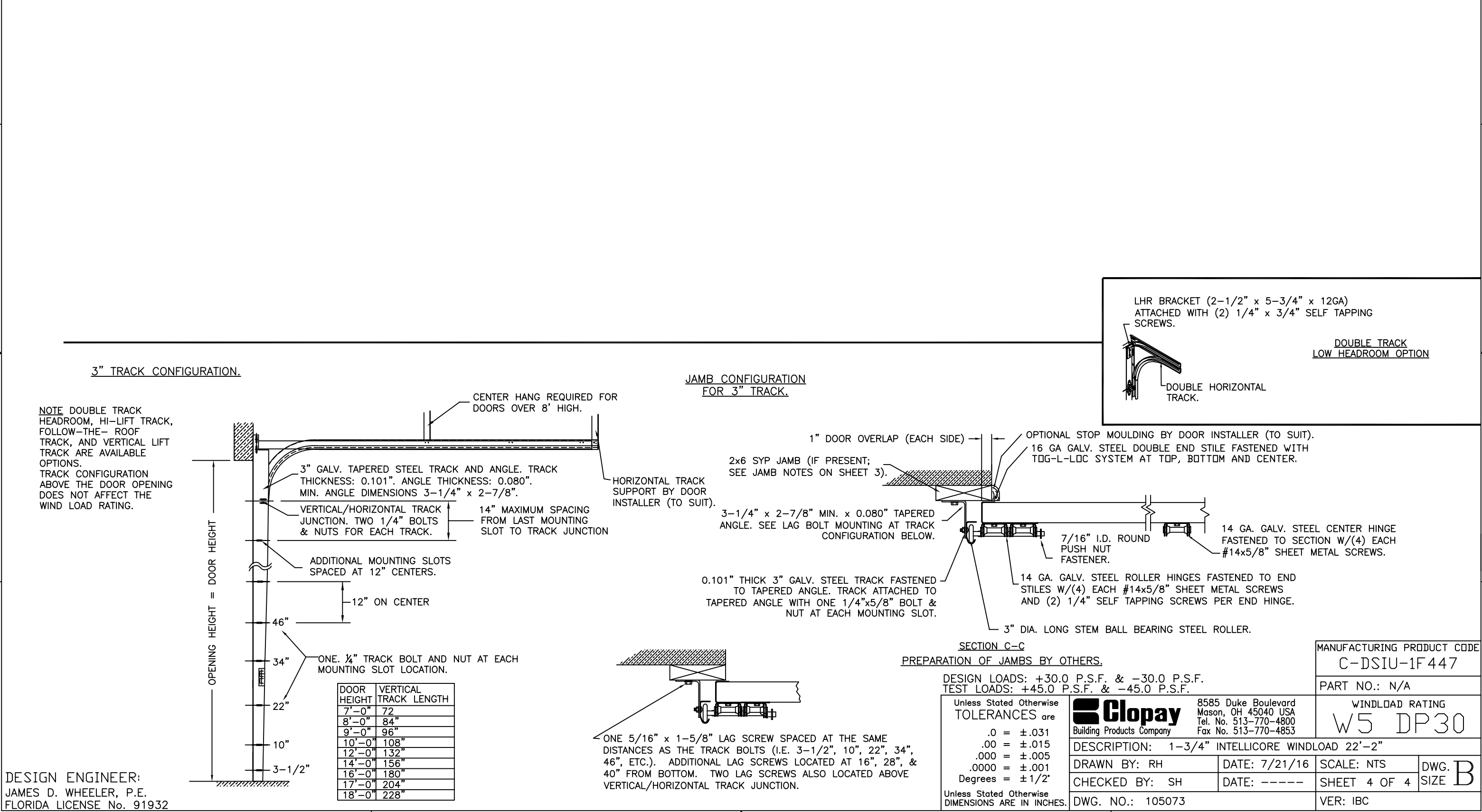
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SHEET: 4 OF 4	REVISIONS					
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	02	-	-	-	-	SEE REVISION HISTORY ON SHEET ONE.



DESIGN ENGINEER:
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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"

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.

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