

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

REV. NO. ZONE: DATE: ECN NO. APPVD: DESCRIPTION
01 - 3/7/14 - SH CORRECTED TYPO ON ELEVATION VIEW.
02 - 5/16/14 - - MAT. NOTES & GLASS BITE ADDED IMPACT WINDOW CROSS SECTION
03 - 8/10/20 - SH UPDATED TITLE BLOCK AND REMOVED WIND CHART
04 - 3/6/25 - JDW ADDED MODEL 3730

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

MAX. DOOR HEIGHT: 18'-0" MAX. SECTION HT. 24"

MAX. DOOR WIDTH = 16'-2" INSIDE ELEVATIONS

#14x5/8" SHEET METAL SCREWS

16 GA. DOUBLE END STILE

OPTIONAL GLAZING MAY BE STANDARD (DSB OR BETTER) OR 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).

VIEW "B"
VIEW "C"

(1) 4" T-STRUT PER SECTION.

LOCK POSITION (BOTH SIDES).

T-STRUT.

(2) LHR TOP BRACKETS USED AS INNER BOTTOM BRACKET.

T-STRUTS SHOWN WITH GLAZING IN TOP SECTION.

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

#14x5/8" SHEET METAL SCREWS

1/4"x3/4" SELF TAPPING SCREWS.

14 GA. END HINGES
VIEW "B"

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

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

END STILE.

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

INSIDE SLIDE BOLT LOCK OPTION.

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.

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

Digitally signed by Jim Wheeler
Date: 2025.04.25 10:50:12 -04'00'

JAMES D. WHEELER
LICENSE
No. 91932
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

DESIGN LOADS: +37.0 P.S.F. & -42.0 P.S.F.
TEST LOADS: +55.5 P.S.F. & -63.0 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 DP37T

DESCRIPTION: 1-3/4" INTELICORE DOORS UP TO 16'2"W (SEE TABLE)

DRAWN BY: SH DATE: 1/10/13 SCALE: NTS DWG. SIZE B

CHECKED BY: SH DATE: 1/10/13 SHEET 1 OF 4

DWG. NO.: 104801 - A/B VER: IBC

FLORIDA PRODUCT APPROVAL 16848

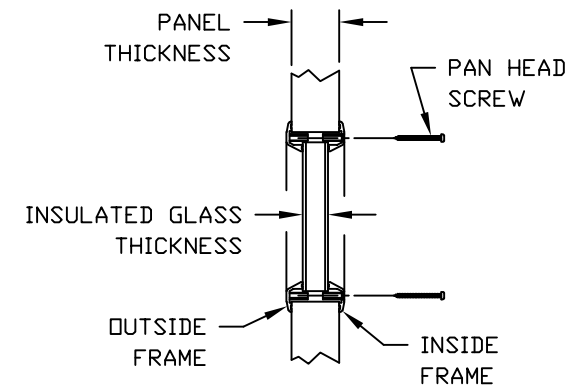
CLOPAY	/	IDEAL	/	HOLMES	
3717	/	C7X17	/	--	/ 27GA 1.75" THICK MINOR RIB
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3724	/	C7X24	/	244U	/ 24GA 2" THICK MINOR RIB
3730	/	--	/	--	/ 27GA 3" THICK MINOR RIB

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

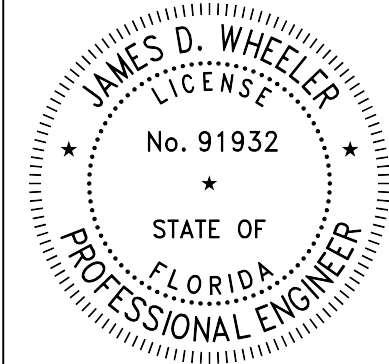
STANDARD ASSEMBLY CONSTRUCTION:
OPTIONAL DSB OR TEMPERED INSULATED GLAZING AVAILABLE.

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)



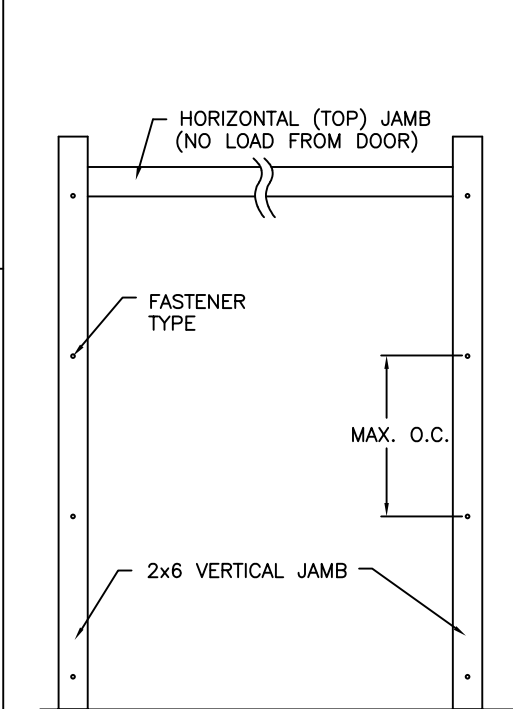
STANDARD ASSEMBLY DETAILS
DRAWING 104801-B



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

DESIGN LOADS: +37.0 P.S.F. & -42.0 P.S.F. TEST LOADS: +55.5 P.S.F. & -63.0 P.S.F.		MANUFACTURING PRODUCT CODE C-DSIU-1D477	
		PART NO.: N/A	
Unless Stated Otherwise TOLERANCES are .0 = ±.031 .00 = ±.015 .000 = ±.005 .0000 = ±.001 Degrees = ±1/2' Unless Stated Otherwise DIMENSIONS ARE IN INCHES.		WINDLOAD RATING W6 DP37T	
		DESCRIPTION: 1-3/4" INTELLICORE DOORS UP TO 16'2"W (SEE TABLE)	
DRAWN BY: SH		DATE: 1/10/13	SCALE: NTS
CHECKED BY: SH		DATE: 1/10/13	SHEET 2 OF 4
DWG. NO.: 104801 - A/B		VER: IBC	

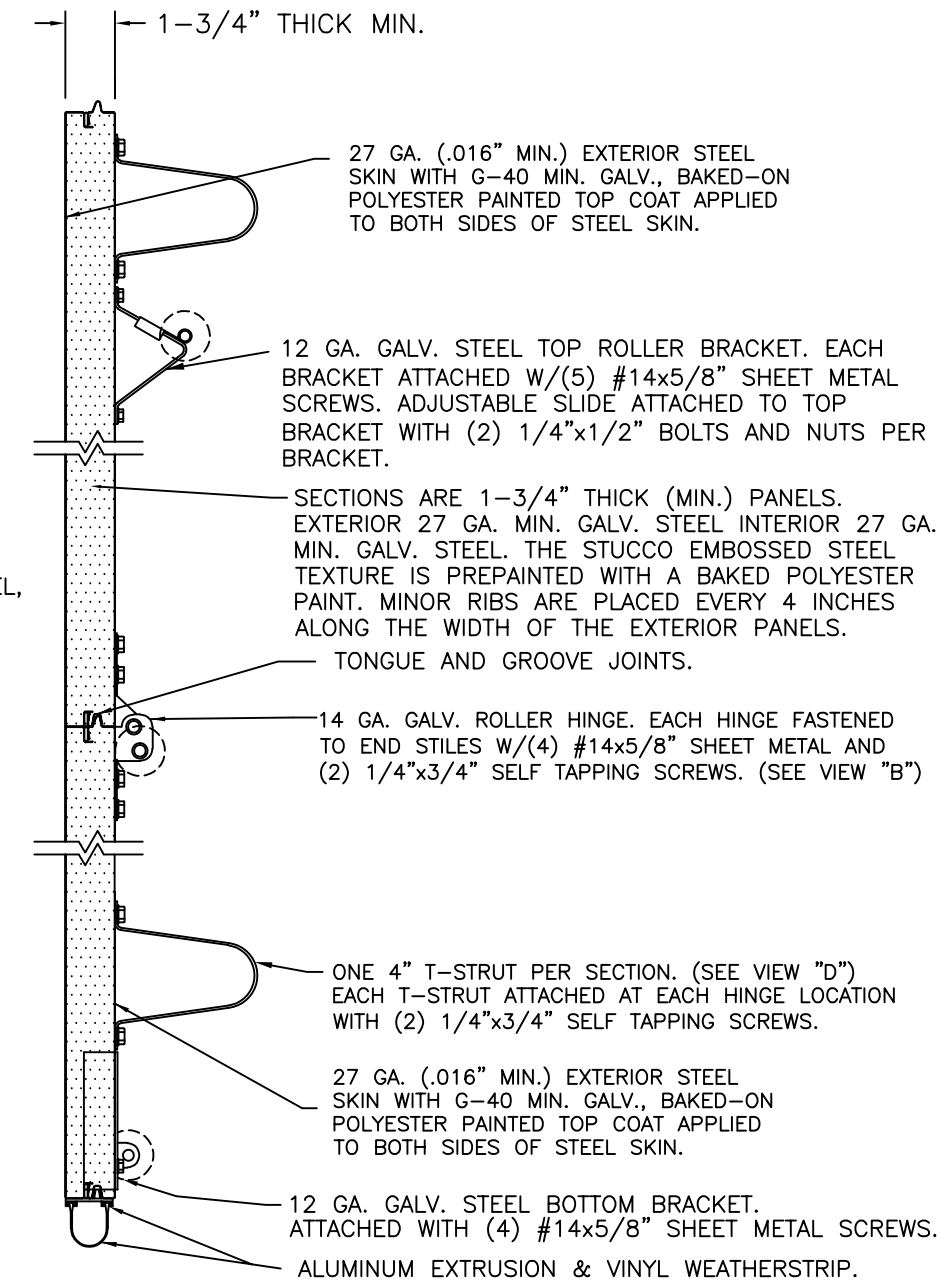
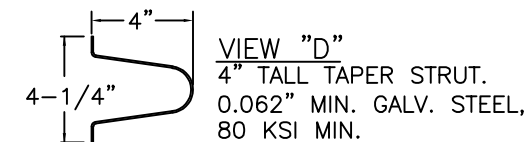
CLOPAY / IDEAL / HOLMES						SHEET:		REVISIONS					
3717	/	C7X17	/	--	/	27GA 1.75" THICK MINOR RIB	3 OF 4	REV. NO.	ZONE:	DATE:	ECN NO.	APPVD:	DESCRIPTION
3718	/	C7X18	/	--	/	27GA 1.75" THICK FLUSH		04	-	-	-	-	SEE REVISION HISTORY ON SHEET ONE.
3720	/	C7X20	/	240U	/	27GA 2" THICK MINOR RIB							
3722	/	C0X22	/	--	/	20GA 2" THICK FLUSH							
3724	/	C7X24	/	244U	/	24GA 2" THICK MINOR RIB							
3730	/	--	/	--	/	27GA 3" THICK MINOR RIB							
													→ ← 1-3/4" THICK MIN.



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 +296 LB & -336 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.



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	5-1/2"	1" O.D.
GROUT FILLED BLOCK WALL	1/4" x 1-3/4" MIN. EMBED ULTRACON CONCRETE ANCHOR	9-1/4"	1" O.D.
2000 PSI MIN. CONCRETE	1/4" x 1" MIN. EMBED ULTRACON CONCRETE ANCHOR	8"	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	17"	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	18-1/4"	1" O.D.
14GA STEEL (0.060" MIN.)	1/4"-14 x 1" ITW BUILDDEX TEKS SELF-DRILLING FASTENER	7-3/4"	1" O.D.
12GA STEEL (0.105" MIN.)	1/4"-14 x 1" ITW BUILDDEX TEKS SELF-DRILLING FASTENER	13-1/2"	1" O.D.
1/8" STEEL	1/4"-14 x 1" ITW BUILDDEX TEKS SELF-DRILLING FASTENER	16"	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.

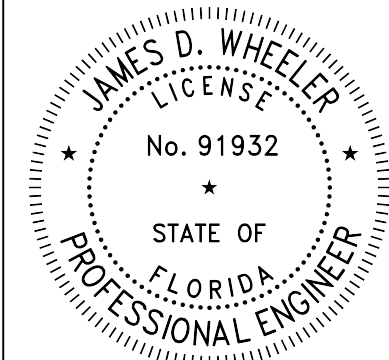
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Clopay
CORPORATION

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 DP37T			
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DWG. NO.: 104801 - A/B		VER: IBC	

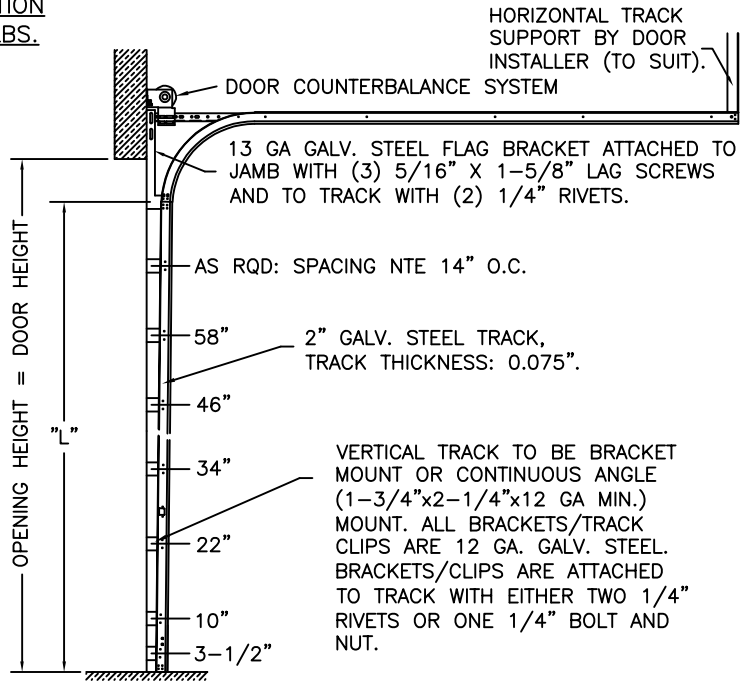


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2" TRACK CONFIGURATION
DOORS UP TO 800 LBS.

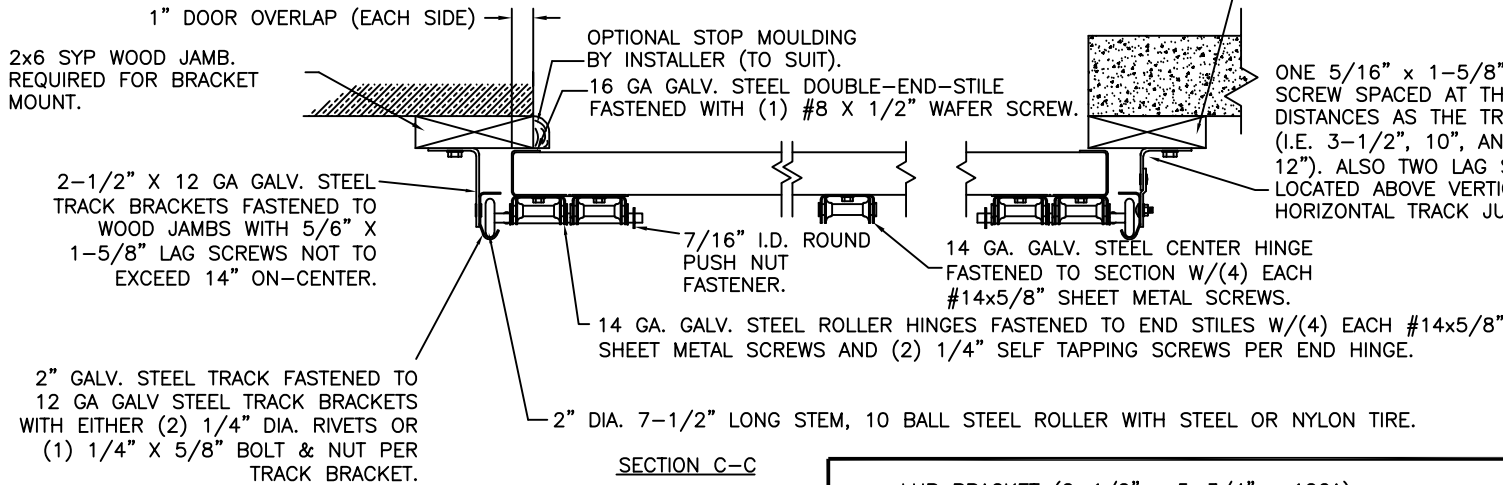
NOTE DOUBLE TRACK HEADROOM, HI-LIFT TRACK, FOLLOW-THE- ROOF TRACK, AND VERTICAL LIFT TRACK ARE AVAILABLE OPTIONS. TRACK CONFIGURATION ABOVE THE DOOR OPENING DOES NOT AFFECT THE WIND LOAD RATING.



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

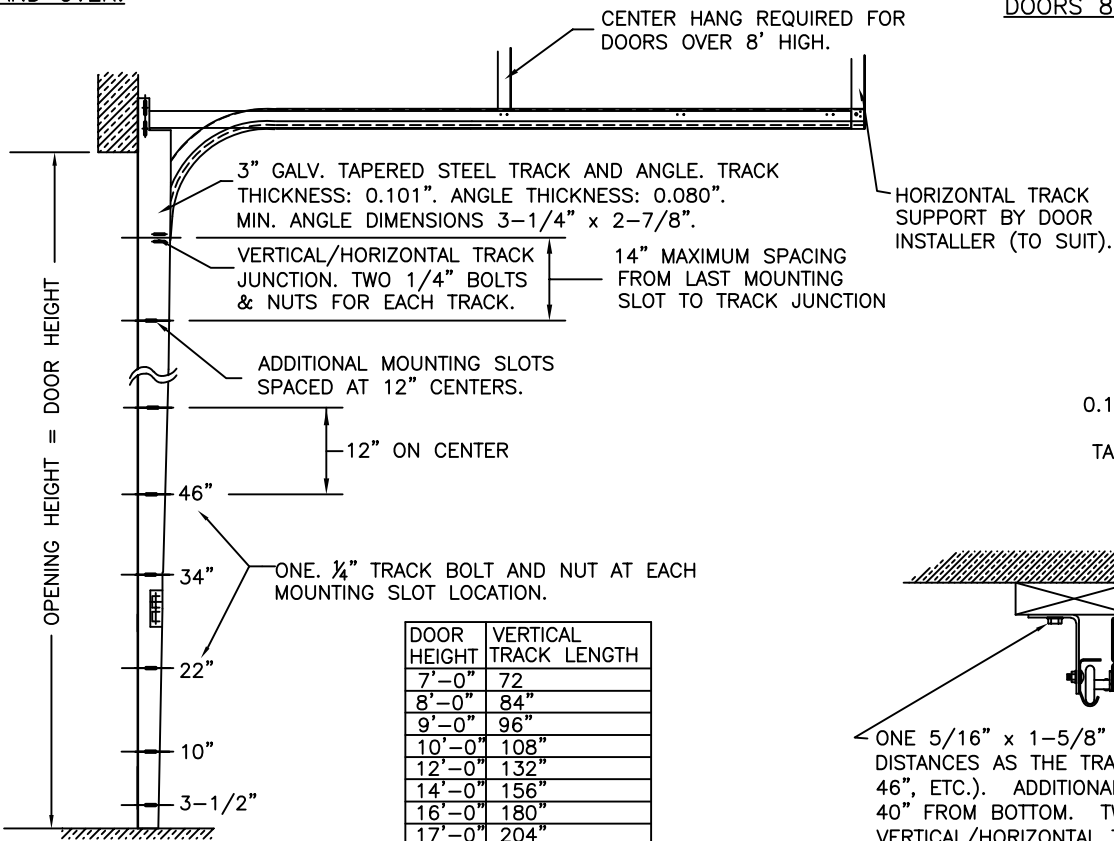


ANGLE MOUNT JAMB CONFIGURATION

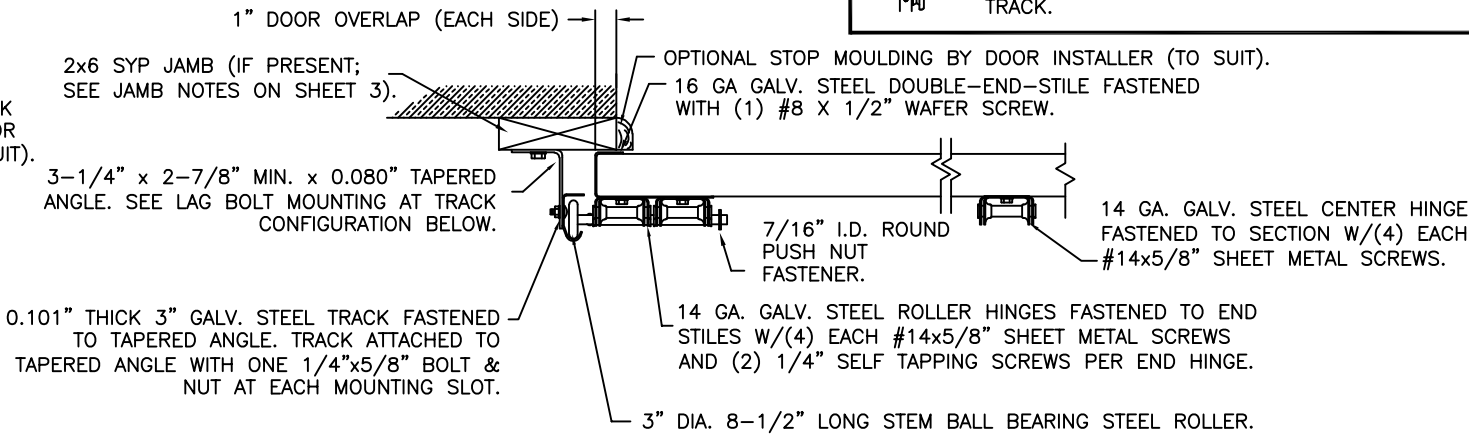
2x6 SYP JAMB (IF PRESENT; SEE JAMB NOTES ON SHEET 3).
ONE 5/16" x 1-5/8" LAG SCREW SPACED AT THE SAME DISTANCES AS THE TRACK BOLTS (I.E. 3-1/2", 10", AND EVERY 12"). ALSO TWO LAG SCREWS LOCATED ABOVE VERTICAL - HORIZONTAL TRACK JUNCTION.

3" TRACK CONFIGURATION
DOORS 800 LBS AND OVER.

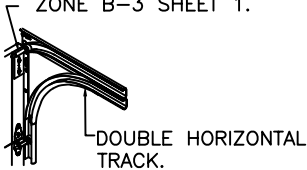
NOTE DOUBLE TRACK HEADROOM, HI-LIFT TRACK, FOLLOW-THE- ROOF TRACK, AND VERTICAL LIFT TRACK ARE AVAILABLE OPTIONS. TRACK CONFIGURATION ABOVE THE DOOR OPENING DOES NOT AFFECT THE WIND LOAD RATING.



JAMB CONFIGURATION
DOORS 800 LBS AND OVER.



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



SECTION C-C
PREPARATION OF JAMBS BY OTHERS.

DESIGN LOADS: +37.0 P.S.F. & -42.0 P.S.F.
TEST LOADS: +55.5 P.S.F. & -63.0 P.S.F.

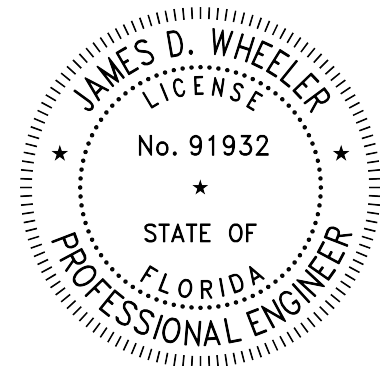
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