

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

00 | - | 1/30/14 | - | SH | REVISED BRACKETS.

01 | | 05/12/14 | | - | SHEET #2 ADDED MATERIAL NOTES IMPACT WINDOW CROSS SECTION

02 | - | 8/10/20 | - | SH | UPDATED TITLE BLOCK AND REMOVED WIND CHART

03 | - | 3/6/25 | - | JDW | ADDED 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 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).

16 GA. DOUBLE END STILE

3" 20 GAGE U-BARS. BARS ARRANGED IN A 1-0-1-0 PATTERN OVER THE HINGES ON EVERY SECTION AS SHOWN.

VIEW "B"
VIEW "C"

(1) 4" T-STRUT PER SECTION. FOR SECTIONS WHERE U-BARS ARE NOT USED, T-STRUT MAY BE MIDDLE OR TOP OF SECTION. FOR SECTIONS WITH U-BARS, T-STRUT TO BE AT BOTTOM OF SECTION AS SHOWN.

LOCK POSITION (BOTH SIDES).

U-BAR.

T-STRUT.

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

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

MAX. DOOR WIDTH = 18'-2"

#14x5/8" SHEET METAL SCREWS

INSIDE ELEVATIONS

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.

END STILE.

OUTSIDE KEYED LOCK WITH SNAP LATCH LOCK OPTION.

INSIDE HANDLE

OUTSIDE KEYED LOCK WITH LOCK BAR LOCKING.

OUTSIDE HANDLE.

LOCK BAR ENGAGES IN TRACK ON EACH SIDE OF DOOR.

END STILE.

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 DP36T

DESCRIPTION: 1-3/4" INTELICORE DOORS UP TO 18'2"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.: 104826 - A/B | VER: IBC

JAMES D. WHEELER
LICENSE
No. 91932
STATE OF
FLORIDA
PROFESSIONAL ENGINEER
Jim Wheeler
Digitally signed by Jim Wheeler
Date: 2026.08.19 18:47:56 -0400

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

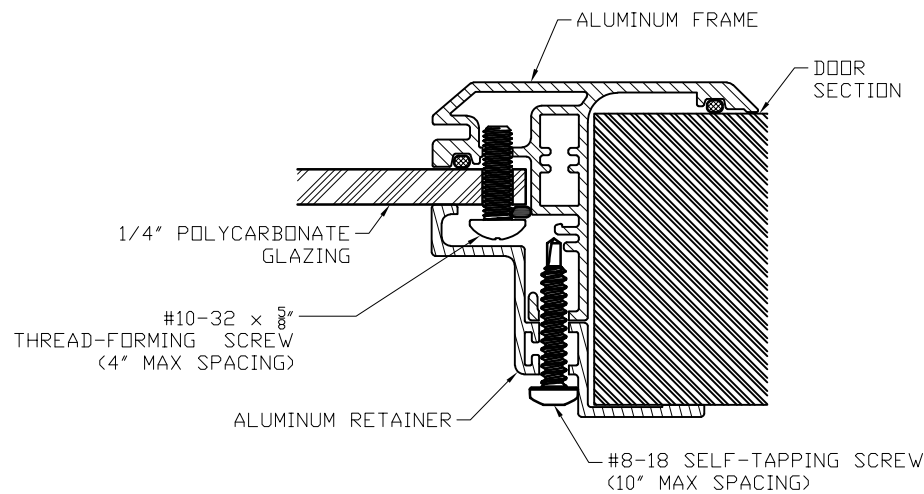
FLORIDA PRODUCT APPROVAL 48387.15

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
	04	—	—	—	—	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 ASSEMBLY DETAILS
DRAWING 104826-A

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

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TEST LOADS: +54.0 P.S.F. & -60.0 P.S.F.

Unless Stated Otherwise
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.0 = ±.031
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Clopay
CORPORATION

8585 Duke Boulevard
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DESCRIPTION: 1-3/4" INTELICORE DOORS UP TO 18'2"W (SEE TABLE)

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

CHECKED BY: SH DATE: 1/10/13 SHEET 2 OF 4 SIZE

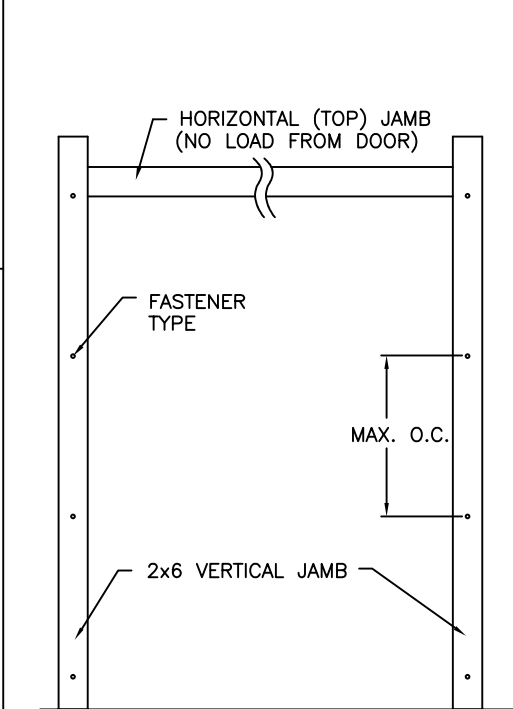
DWG. NO.: 104826 - A/B VER: IBC

MANUFACTURING PRODUCT CODE
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PART NO.: N/A

WINDLOAD RATING
W6 DP36T

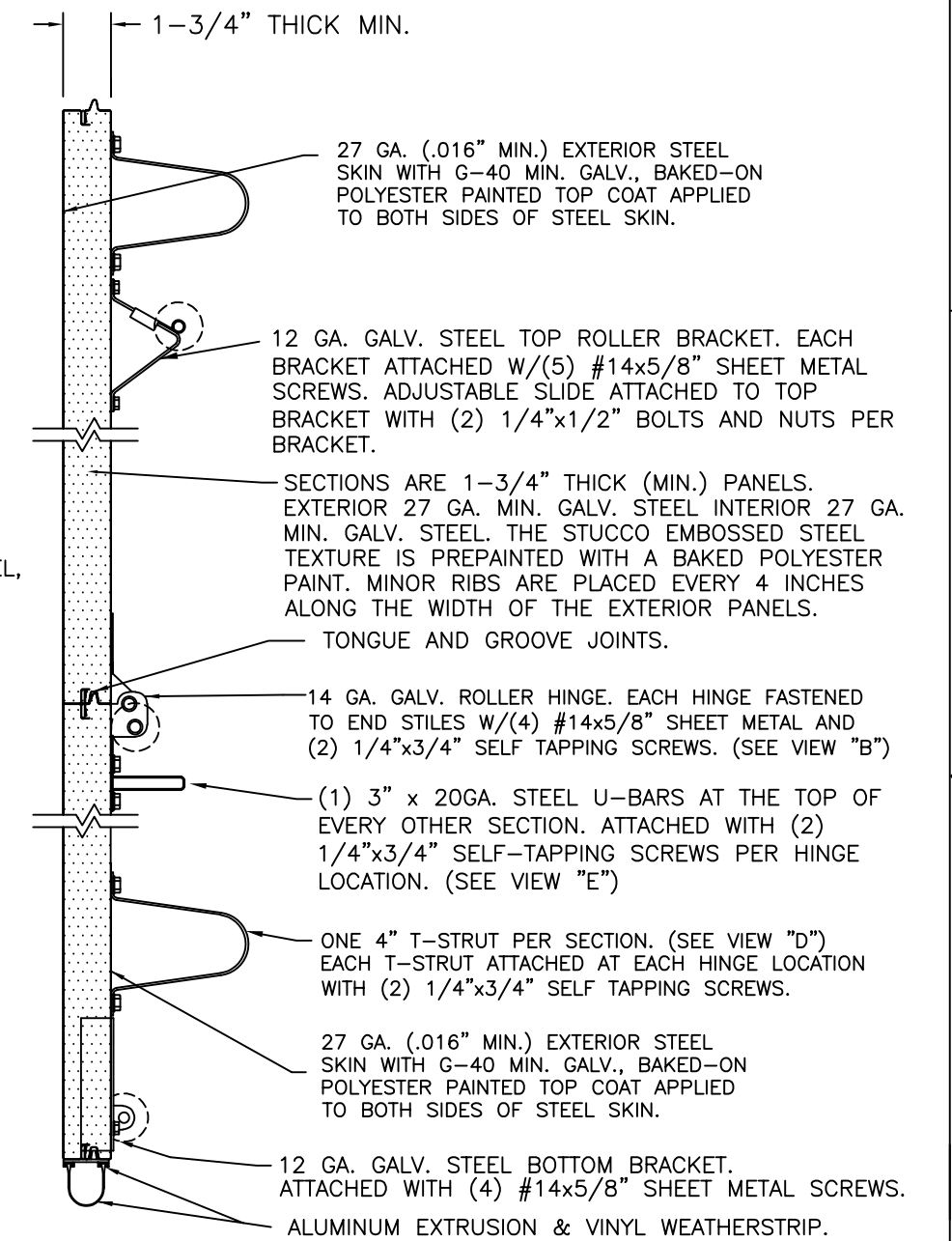
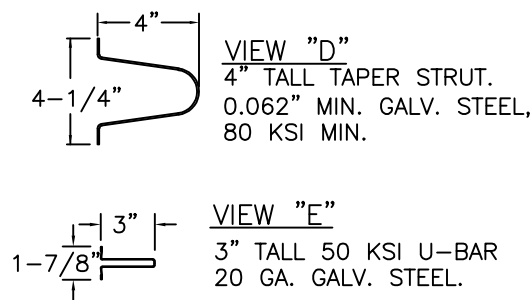
CLOPAY / IDEAL / HOLMES				SHEET: 3 OF 4		REVISIONS				
3717	/	C7X17	/	--	/	27GA 1.75" THICK MINOR RIB	REV. NO.	ZONE:	DATE:	ECN NO.
3718	/	C7X18	/	--	/	27GA 1.75" THICK FLUSH	APPVD:	DESCRIPTION		
3720	/	C7X20	/	240U	/	27GA 2" THICK MINOR RIB	04	-	-	-
3722	/	COX22	/	--	/	20GA 2" THICK FLUSH	SEE REVISION 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 +324 LB & -360 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.



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" O.D.
GROUT FILLED BLOCK WALL	1/4" x 1-3/4" MIN. EMBED ULTRACON CONCRETE ANCHOR	8-1/2"	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	4-1/4"	1" O.D.
2000 PSI MIN. CONCRETE	3/8" x 1-3/4" MIN. EMBED WEJ-IT ANKR TITE SLEEVE ANCHOR	15-1/2"	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	16-3/4"	1" O.D.
14GA STEEL (0.060" MIN.)	1/4"-14 x 1" ITW BUILDEX TEKS SELF-DRILLING FASTENER	7"	1" O.D.
12GA STEEL (0.105" MIN.)	1/4"-14 x 1" ITW BUILDEX TEKS SELF-DRILLING FASTENER	12-1/4"	1" O.D.
1/8" STEEL	1/4"-14 x 1" ITW BUILDEX TEKS SELF-DRILLING FASTENER	14-3/4"	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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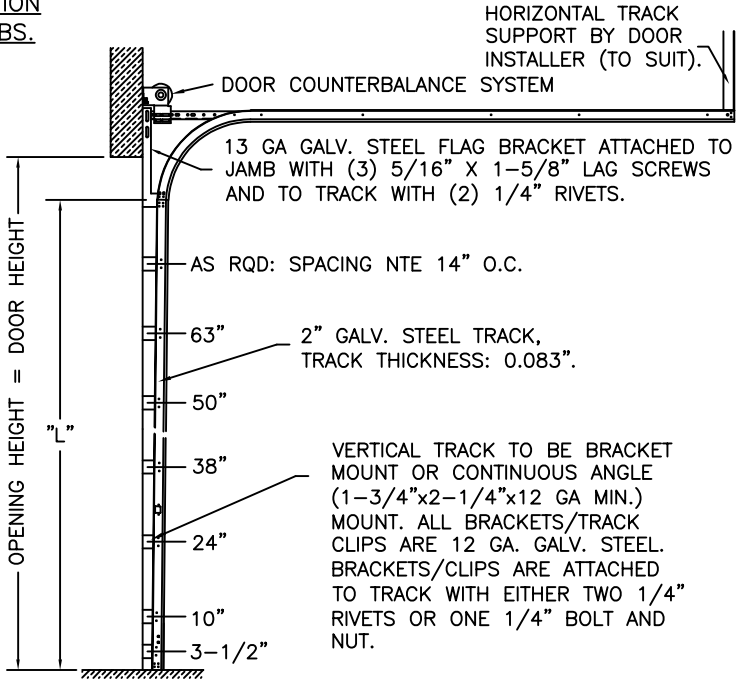
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CHECKED BY: SH	DATE: 1/10/13	SHEET 3 OF 4	SIZE
DWG. NO.: 104826 - A/B		VER: IBC	

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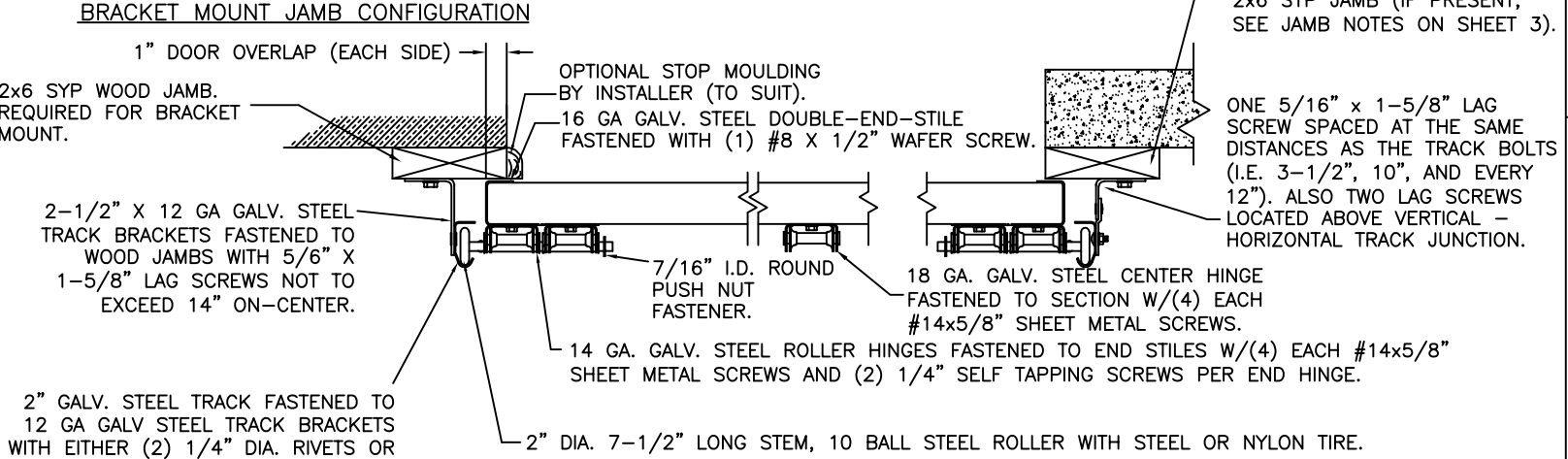
2" TRACK CONFIGURATION
DOORS UP TO 800 LBS.

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.



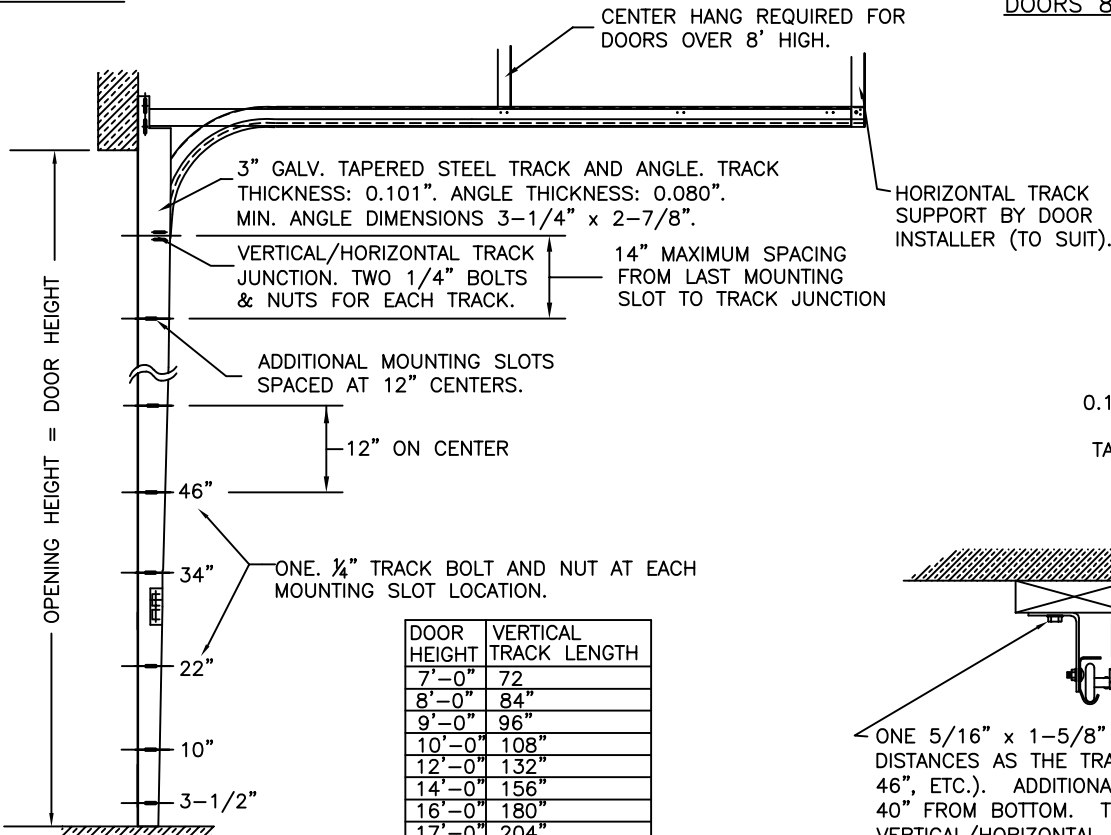
DOOR HEIGHT	"L"
6'-6"	70"
7'-0"	76"
7'-6"	82"
8'-0"	88"
8'-6"	94"
9'-0"	100"
9'-6"	106"
10'-0"	112"
10'-6"	118"
11'-0"	124"
11'-6"	130"
12'-0"	136"
12'-6"	142"
13'-0"	148"
13'-6"	154"
14'-0"	160"
14'-6"	166"
15'-0"	172"
15'-6"	178"
16'-0"	184"
16'-6"	190"
17'-0"	196"
17'-6"	202"
18'-0"	208"

JAMB CONFIGURATION
DOORS UP TO 800 LBS.



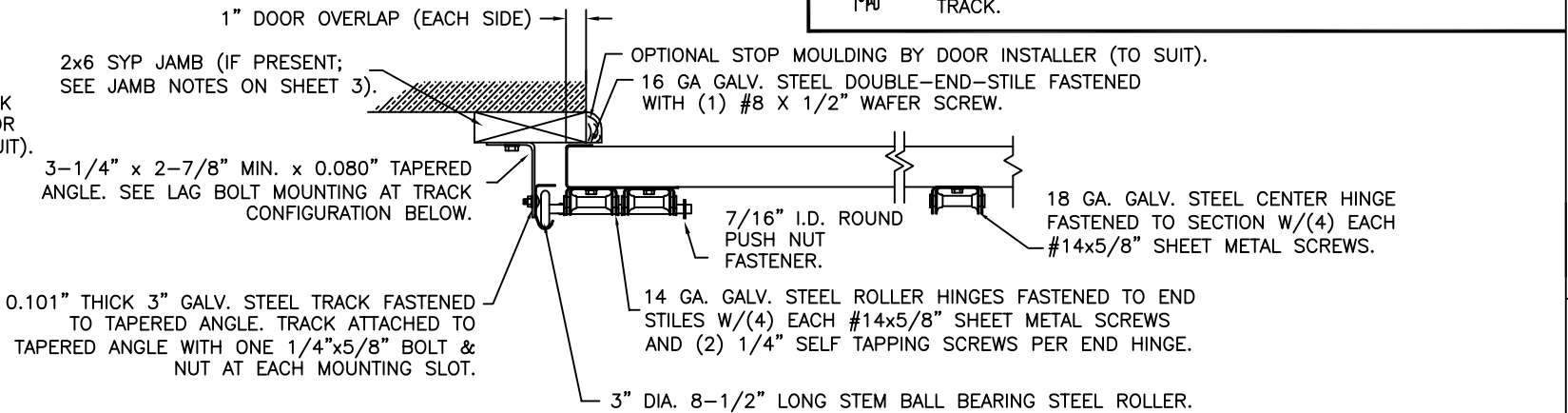
3" TRACK CONFIGURATION
DOORS 800 LBS AND OVER.

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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DWG. NO.: 104826 - A/B			

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