

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 / 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

-

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 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.

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.

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

VER: IBC

DWG. NO.: 104826 - A/B

JAMES D. WHEELER

LICENSE

No. 91932

STATE OF

FLORIDA

PROFESSIONAL ENGINEER

Jim Wheeler

DESIGN ENGINEER:

JAMES D. WHEELER, P.E.

FLORIDA LICENSE No. 91932

Digitally signed by Jim Wheeler

Date: 2026.08.19 18:45:47

INSIDE SLIDE BOLT LOCK OPTION.

4

3

2

1

4

3

2

1

FLORIDA PRODUCT APPROVAL

48387.14

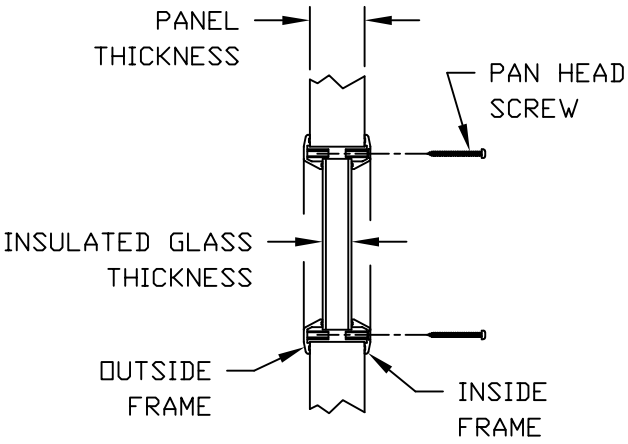
4										
CLOPAY	/	IDEAL	/	HOLMES						
3717	/	C7X17	/	--	/	27GA	1.75"	THICK	MINOR	RIB
3718	/	C7X18	/	--	/	27GA	1.75"	THICK	FLUSH	
3720	/	C7X20	/	240U	/	27GA	2"	THICK	MINOR	RIB
3722	/	C0X22	/	--	/	20GA	2"	THICK	FLUSH	
3724	/	C7X24	/	244U	/	24GA	2"	THICK	MINOR	RIB
3730	/	--	/	--	/	27GA	3"	THICK	MINOR	RIB

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

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 104826-B

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

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
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Degrees = ±1/2'

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DIMENSIONS ARE IN INCHES.

Clopay
CORPORATION

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

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

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

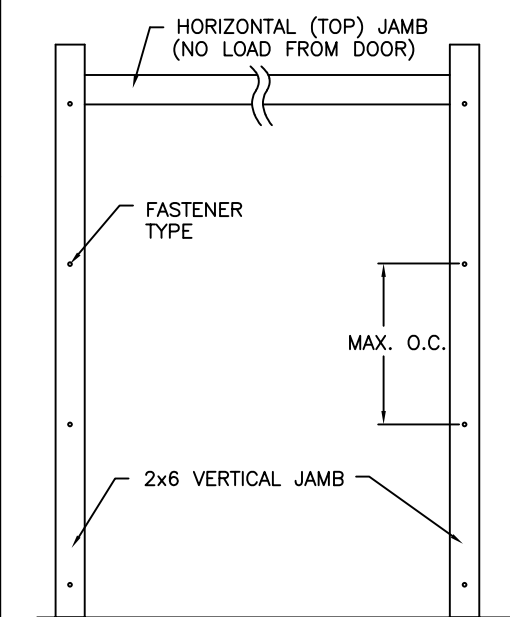
CHECKED BY: SH DATE: 1/10/13 SHEET 2 OF 4 SIZE

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

MANUFACTURING PRODUCT CODE
C-DSIU-1D477

PART NO.: N/A

WINDLOAD RATING
W6 DP36T

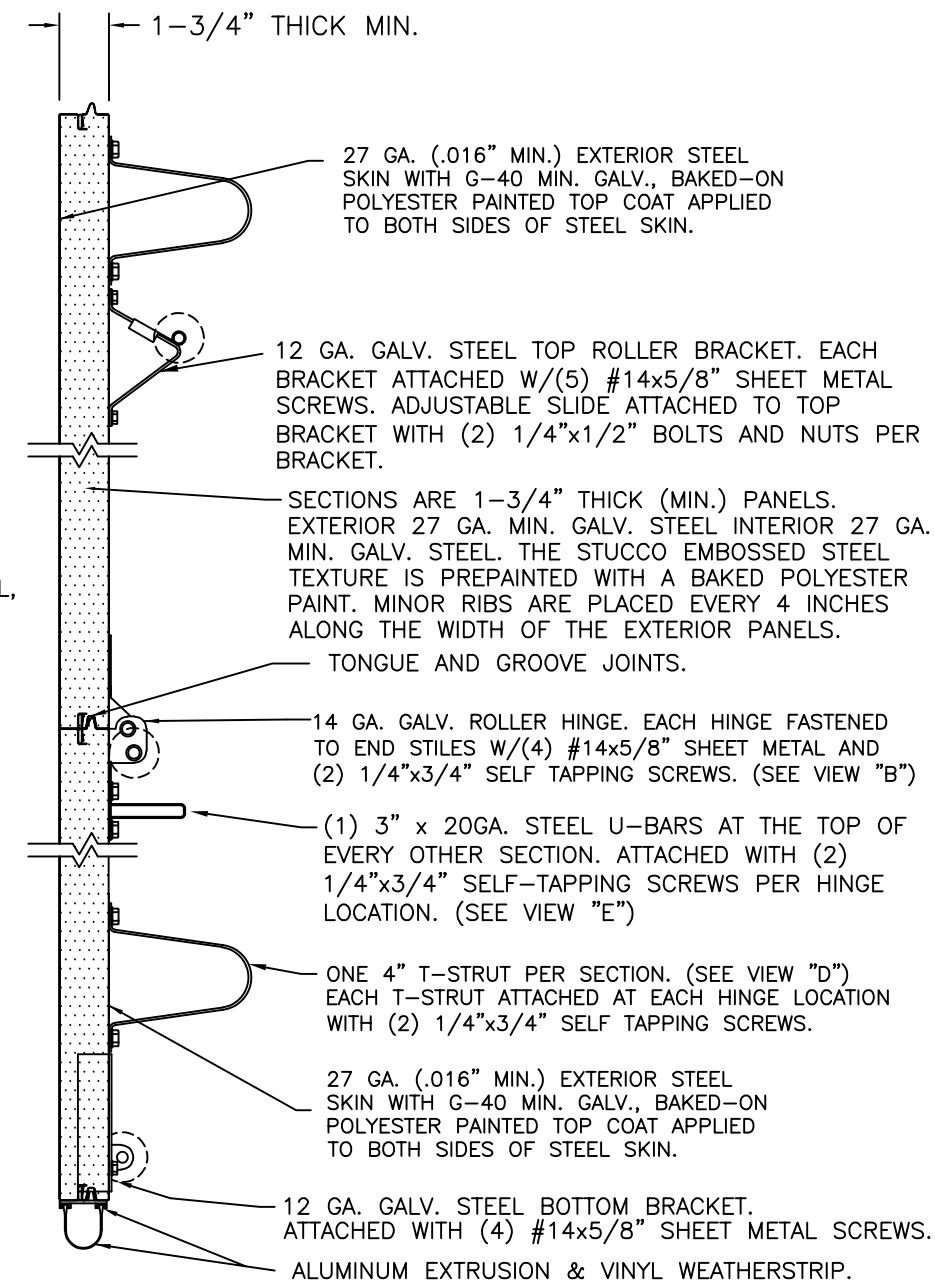
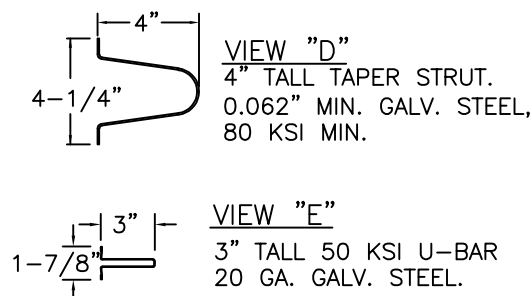


JAMB TO SUPPORTING STRUCTURE ATTACHMENT

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 +324 LB & -360 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	8-1/2"	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.

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C-DSIU-1D477

PART NO.: N/A

WINDLOAD RATING
W6 DP36T

DESCRIPTION: 1-3/4" INTELLICORE DOORS UP TO 18'2"W (SEE TABLE)

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

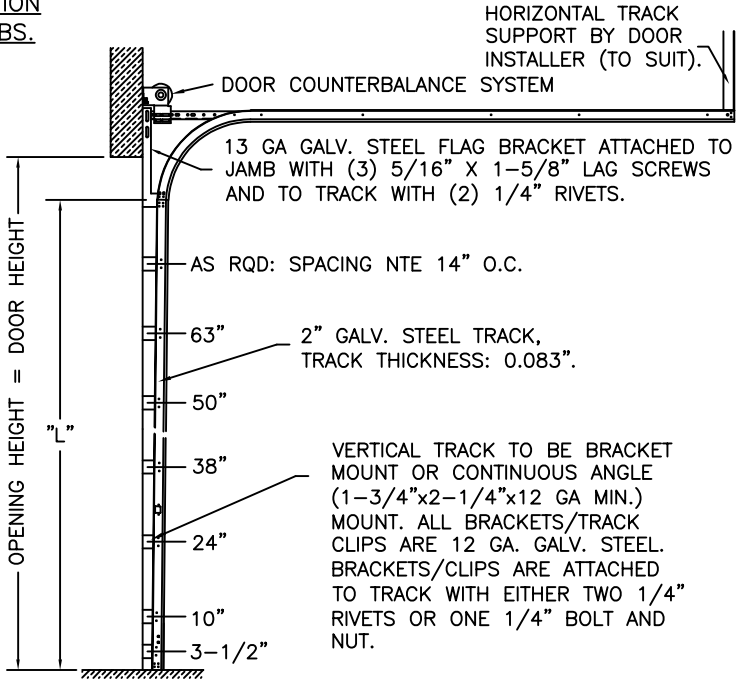
CHECKED BY: SH DATE: 1/10/13 SHEET 3 OF 4 SIZE B

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

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

2" TRACK CONFIGURATION
DOORS UP TO 800 LBS.

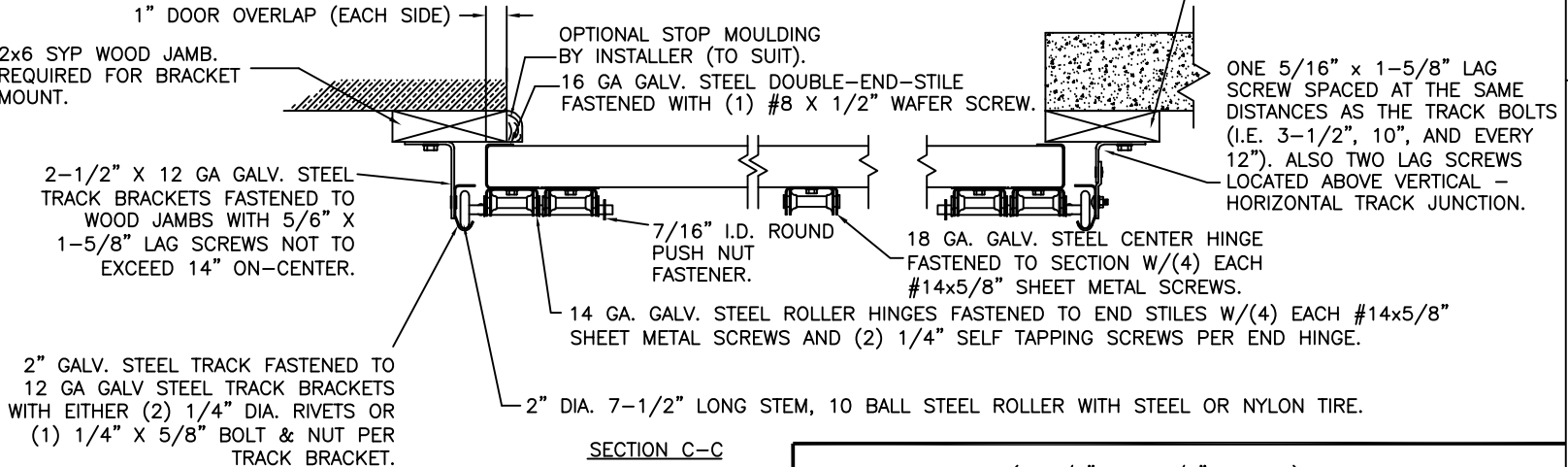
NOTE DOUBLE TRACK HEADROOM, HI-LIFT TRACK, FOLLOW-THE- ROOF TRACK, AND VERTICAL LIFT TRACK ARE AVAILABLE OPTIONS. TRACK CONFIGURATION ABOVE THE DOOR OPENING DOES NOT AFFECT THE WIND LOAD RATING.



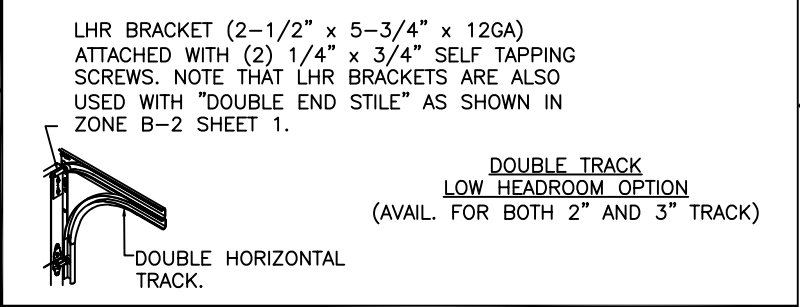
DOOR HEIGHT	"L"
6'-6"	70"
7'-0"	76"
7'-6"	82"
8'-0"	88"
8'-6"	94"
9'-0"	100"
9'-6"	106"
10'-0"	112"
10'-6"	118"
11'-0"	124"
11'-6"	130"
12'-0"	136"
12'-6"	142"
13'-0"	148"
13'-6"	154"
14'-0"	160"
14'-6"	166"
15'-0"	172"
15'-6"	178"
16'-0"	184"
16'-6"	190"
17'-0"	196"
17'-6"	202"
18'-0"	208"

JAMB CONFIGURATION
DOORS UP TO 800 LBS.

BRACKET MOUNT JAMB CONFIGURATION

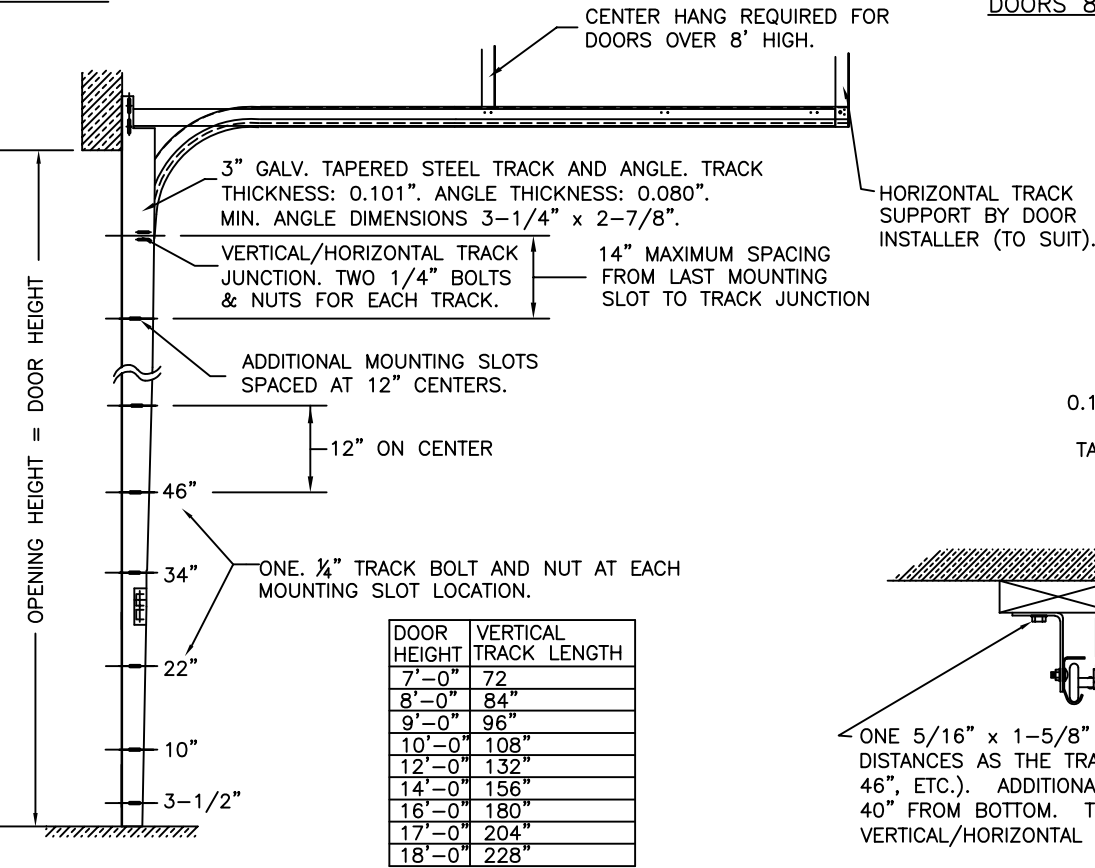


SECTION C-C
PREPARATION OF JAMBS BY OTHERS.



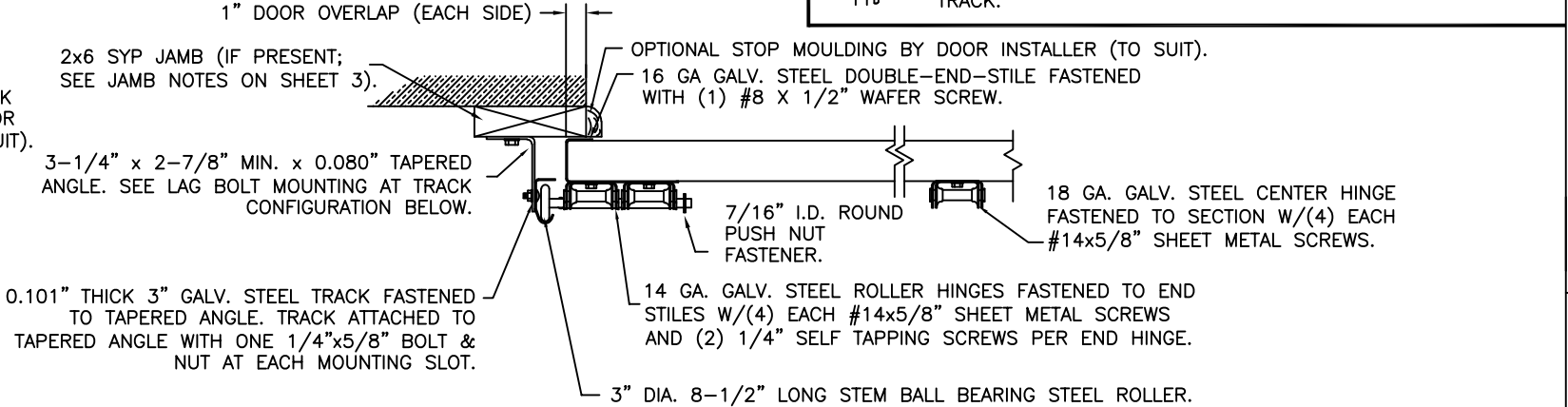
3" TRACK CONFIGURATION
DOORS 800 LBS AND OVER.

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.

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DRAWN BY: SH	DATE: 1/10/13	SCALE: NTS	DWG. SIZE B
CHECKED BY: SH	DATE: 1/10/13	SHEET 4 OF 4	
DWG. NO.: 104826 - A/B		VER: IBC	

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