

BRAND	MODEL
CLOPAY	904, 904U, AX, AXU
IDEAL	C4AL, C4ALU

SHEET:
1 OF 3

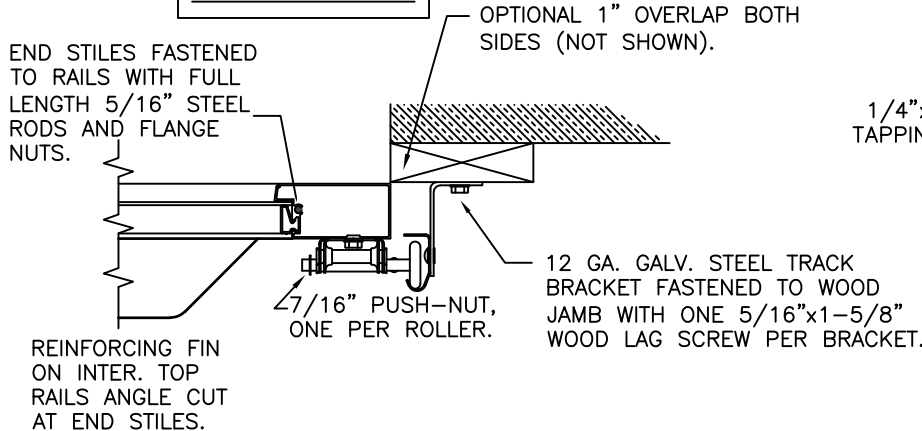
REVISIONS						DESCRIPTION
REV. NO.	ZONE:	DATE:	ECN NO.	APPVD:		
00	-	9/22/20	-	SH		INITIAL RELEASE.

MODEL 904:
TOP RAIL PER 105008 MIN THK 0.075"
STD END STILE PER 105008 MIN THICK 0.075"
STD BTM RAIL PER 105008 MIN THK 0.075"
CENTER STILE PER 105011 MIN THK 0.062"
INTER. TOP RAIL PER 105012 (WITH FIN) MIN THK 0.062"
INTER. BOTTOM RAIL PER 105014 MIN THK 0.075"

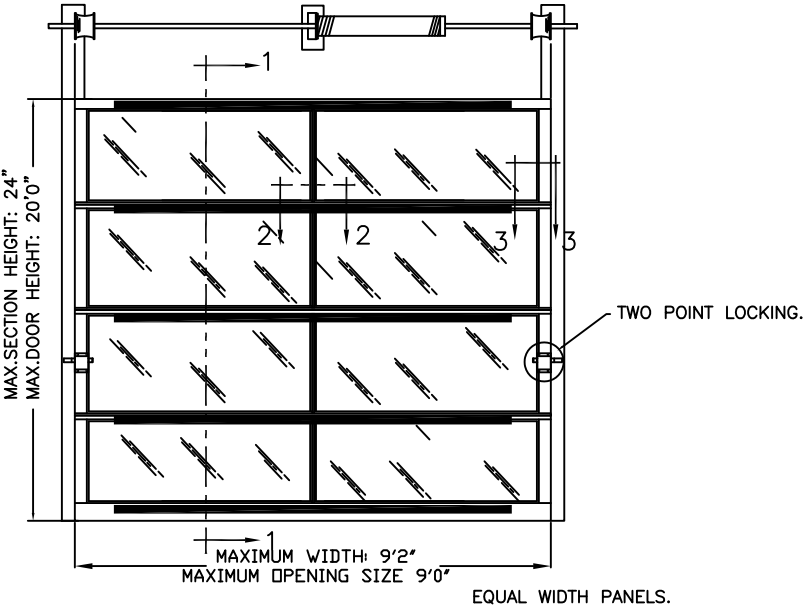
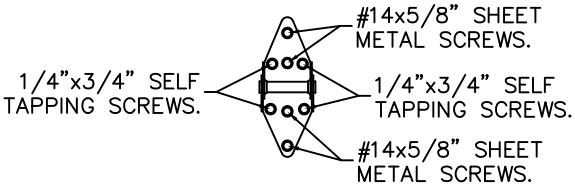
MODEL 904 MADE FROM 6063-T5 ALUMINUM.

SEE PAGE 2 FOR
DIFFERENT JAMB
CONFIGURATIONS.

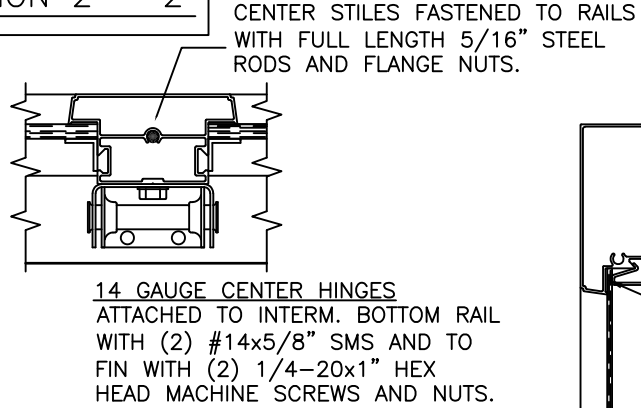
SECTION 3-3



14 GAUGE ROLLER
HINGE FASTENERS



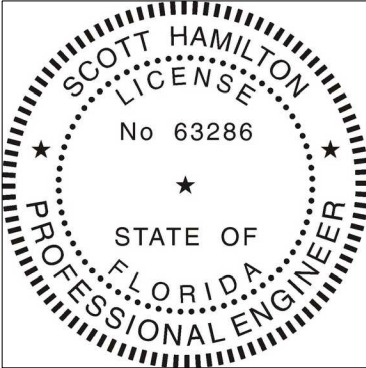
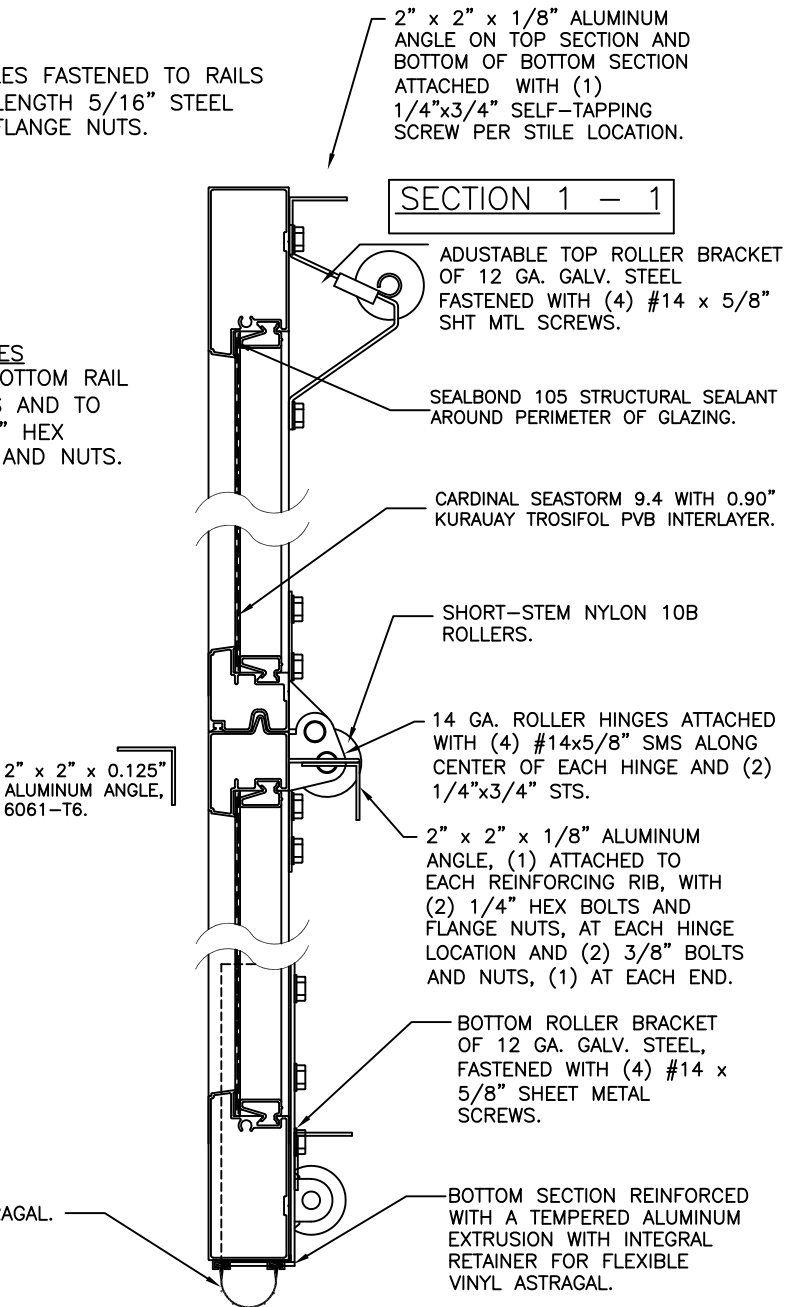
SECTION 2 - 2



SECTIONS PER DOOR HEIGHT	
UP TO 6'0"	3
FROM 6'1" TO 8'0"	4
FROM 8'1" TO 10'0"	5
FROM 10'1" TO 12'0"	6
FROM 12'1" TO 14'0"	7
FROM 14'1" TO 16'0"	8
FROM 16'1" TO 18'0"	9
FROM 18'1" TO 20'0"	10

DOORS UP TO 4'8" SHALL HAVE AT LEAST 1 SECTION; DOORS 4'9" TO 9'2" SHALL HAVE AT LEAST (2) PANELS PER SECTION.

SECTION 1 - 1



Digitally signed by Scott Hamilton
'Date: 2020.10.14 17:15:49 -04'00

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MANUFACTURING PRODUCT CODE
C-AL2-1F499

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Third Angle Projection				TOLERANCES are .0 = ±.031 .00 = ±.015 .000 = ±.005 .0000 = ±.001 Degrees = ±1/2"		CLOPAY CORPORATION 8585 Duke Boulevard Mason, OH 45040 USA Tel. No. 513-770-4800 Fax No. 513-770-4853	
DRAWN BY: SH				DATE: 9/22/20		SCALE: NTS	
CHECKED BY: SH				DATE: 9/22/20		SHEET 1 OF 3	
DWG. NO.: 105611				VERSION: IBC/IRC		CLOPAY WINDLOAD RATING W8	
DESCRIPTION: M/N 904 9' WIDE +52/-58 PSF				DWG. B		SIZE B	

4

3

2

1

BRAND	MODEL
CLOPAY	904, 904U, AX, AXU
IDEAL	C4AL, C4ALU

SHEET:
2 OF 3

REVISIONS

REV. NO.	ZONE:	DATE:	ECN NO.	APPVD:	DESCRIPTION
00	-	-	-	-	SEE REVISION HISTORY ON SHEET ONE.

HORIZONTAL (TOP) JAMB
(NO LOAD FROM DOOR)

FASTENER
TYPE

2x6 VERTICAL JAMB

MAX. O.C.

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 +234 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.

PREPARATION OF JAMBS BY OTHERS

NOTE: THE DESIGN OF THE SUPPORTING STRUCTURAL ELEMENTS SHALL BE THE RESPONSIBILITY OF THE PROFESSIONAL OF RECORD FOR THE BUILDING OR STRUCTURE AND IN ACCORDANCE WITH CURRENT BUILDING CODES FOR THE LOADS LISTED ON THIS DRAWING.

2x6 JAMB TO SUPPORTING STRUCTURE ATTACHMENT

(NOT TO BE USED FOR ATTACHMENT OF TRACK ANGLE TO 2x6 VERTICAL JAMBS OR SUPPORTING STRUCTURE)

BUILDING TYPE	FASTENER TYPE	MAXIMUM ON-CENTER DISTANCE BETWEEN FASTENERS*	STEEL WASHERS REQUIRED?
BLOCK WALL	1/4" x 1-1/4" EMBED ULTRACON CONCRETE ANCHOR	7"	NO
GROUT-FILLED BLOCK WALL	1/4" x 1-3/4" EMBED ULTRACON CONCRETE ANCHOR	11-3/4"	NO
2,846 PSI MIN. CONCRETE	1/4" x 1-3/4" EMBED ULTRACON CONCRETE ANCHOR	24"	NO
2,000 PSI MIN. CONCRETE	1/4" x 1-3/4" EMBED ULTRACON CONCRETE ANCHOR	22-1/2"	NO
2,500 PSI MIN. CONCRETE	3/8" x 1-3/4" EMBED ITW TRUBOLT WEDGE CONCRETE ANCHOR WITH SYP 0.55 SG	22-1/4"	1" O.D.
WOOD FRAME (SYP 0.55 SG)	1/2" x 1-1/2" EMBED LAG SCREW WITH 1-3/8" O.D. WASHER	24"	YES
14 GA MIN. STEEL JAMB	1/4" -14 ITW BUILDEX TEKS SELF-DRILLING FASTENER	12-1/4"	NO
12 GA MIN. STEEL JAMB	1/4" -14 ITW BUILDEX TEKS SELF-DRILLING FASTENER	17"	NO
1/8" MIN. STEEL JAMB	1/4" -14 ITW BUILDEX TEKS SELF-DRILLING FASTENER	20-1/4"	NO

NOTE: FOR DOORS WITH CONTINUOUS OR REVERSE ANGLE TRACK, THESE VALUES CAN BE USED TO DIRECTLY ATTACH THE TRACK TO THE WALL.

* 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.

SEE DIGITAL SIGNATURE
DETAILS ON SHEET ONE.

SCOTT HAMILTON
LICENSE
No 63286
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

DESIGN ENGINEER:
SCOTT HAMILTON, P.E.
FLORIDA P.E. #463286

MANUFACTURING PRODUCT CODE
C-AL2-1F499

PART NO.: -

CLOPAY WINDLOAD RATING
W8

DESCRIPTION: M/N 904 9' WIDE +52/-58 PSF

DRAWN BY: SH

DATE: 9/22/20

SCALE: NTS

DWG. B

CHECKED BY: SH

DATE: 9/22/20

SHEET 2 OF 3

SIZE

DWG. NO.: 105611

VERSION: IBC/IRC

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Third Angle Projection

Unless Stated Otherwise
TOLERANCES are
.0 = ±.031
.00 = ±.015
.000 = ±.005
.0000 = ±.001
Degrees = ±1/2'

Unless Stated Otherwise
DIMENSIONS ARE IN INCHES.

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Mason, OH 45040 USA
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FLORIDA PRODUCT APPROVAL 34540

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CLOPAY	904, 904U, AX, AXU
IDEAL	C4AL, C4ALU

SHEET:		REVISIONS				
3 OF 3		REV. NO.	ZONE:	DATE:	ECN NO.	APPVD:
		00	-	-	-	-
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						SEE REVISION HISTORY ON SHEET ONE.

D

C

B

A

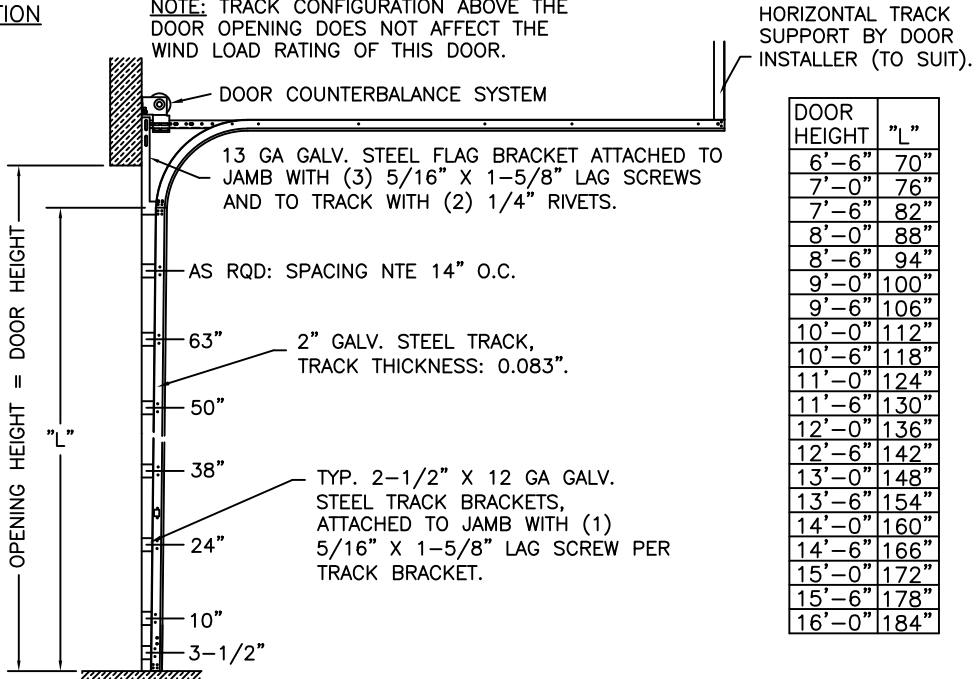
D

C

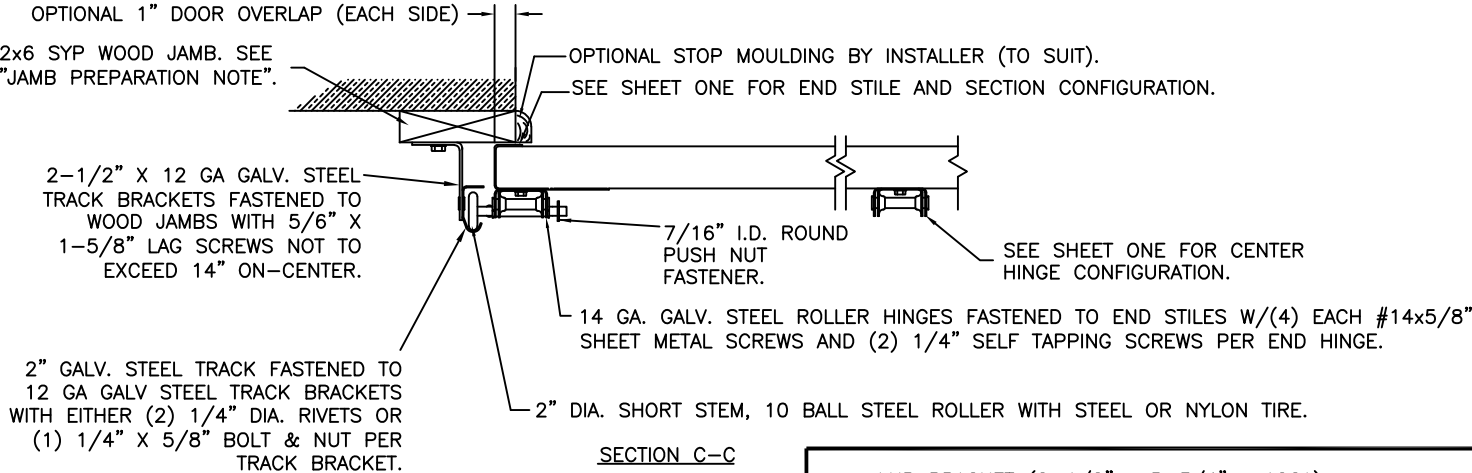
B

A

2" TRACK CONFIGURATION



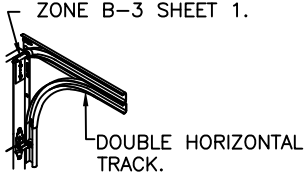
JAMB CONFIGURATION DOORS WITH 2" TRACK.



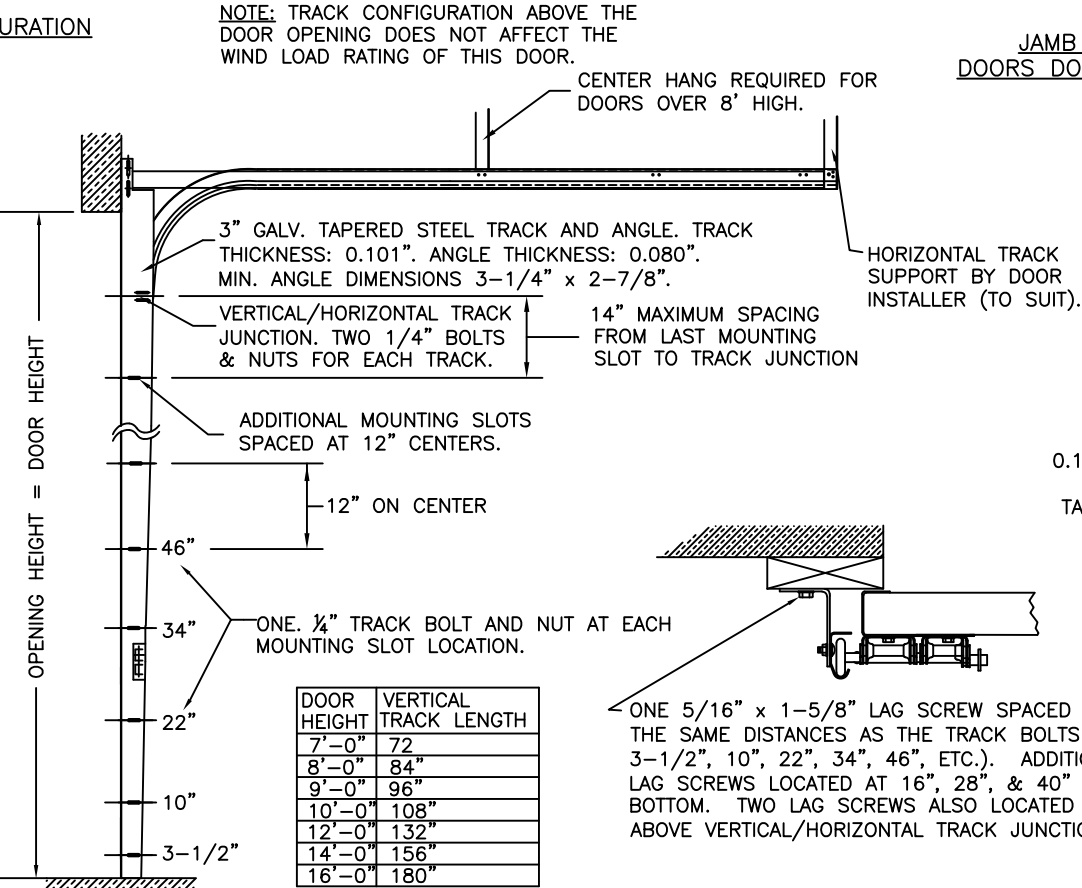
PREPARATION OF JAMBS BY OTHERS.

LHR BRACKET (2-1/2" x 5-3/4" x 12GA) ATTACHED WITH (2) 1/4" x 3/4" SELF TAPPING SCREWS. NOTE THAT LHR BRACKETS ARE ALSO USED WITH "DOUBLE END STILE" AS SHOWN IN ZONE B-3 SHEET 1.

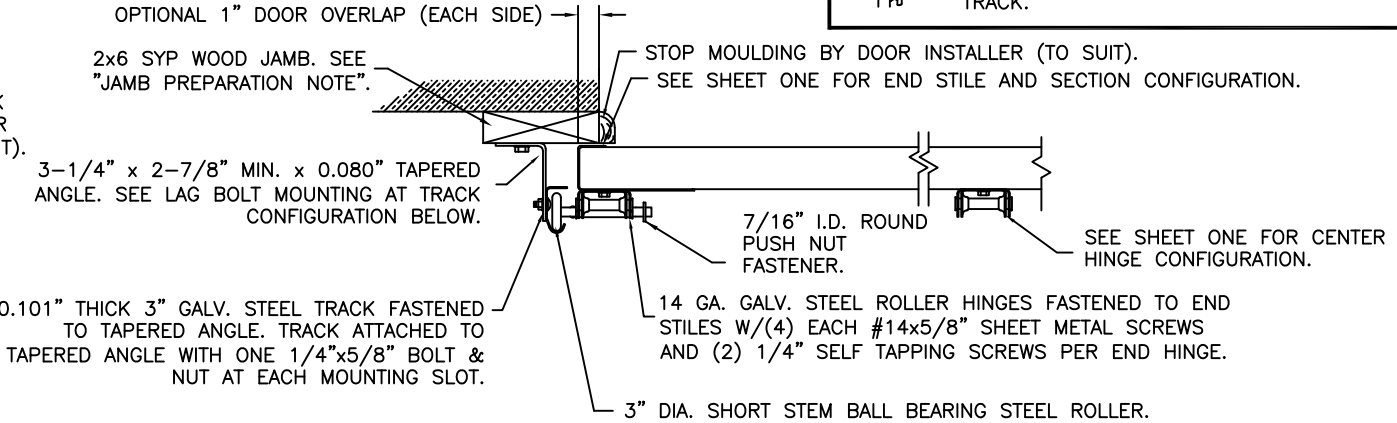
DOUBLE TRACK LOW HEADROOM OPTION (AVAIL. FOR BOTH 2" AND 3" TRACK)



3" TRACK CONFIGURATION



JAMB CONFIGURATION DOORS WITH 3" TRACK.



PREPARATION OF JAMBS BY OTHERS.

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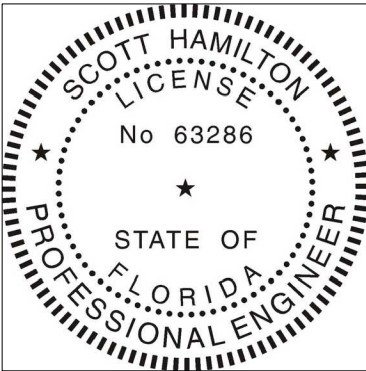
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SHEET 3 OF 3

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