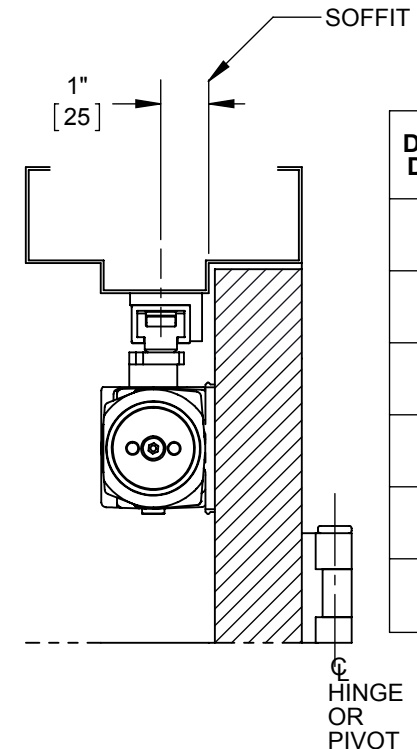
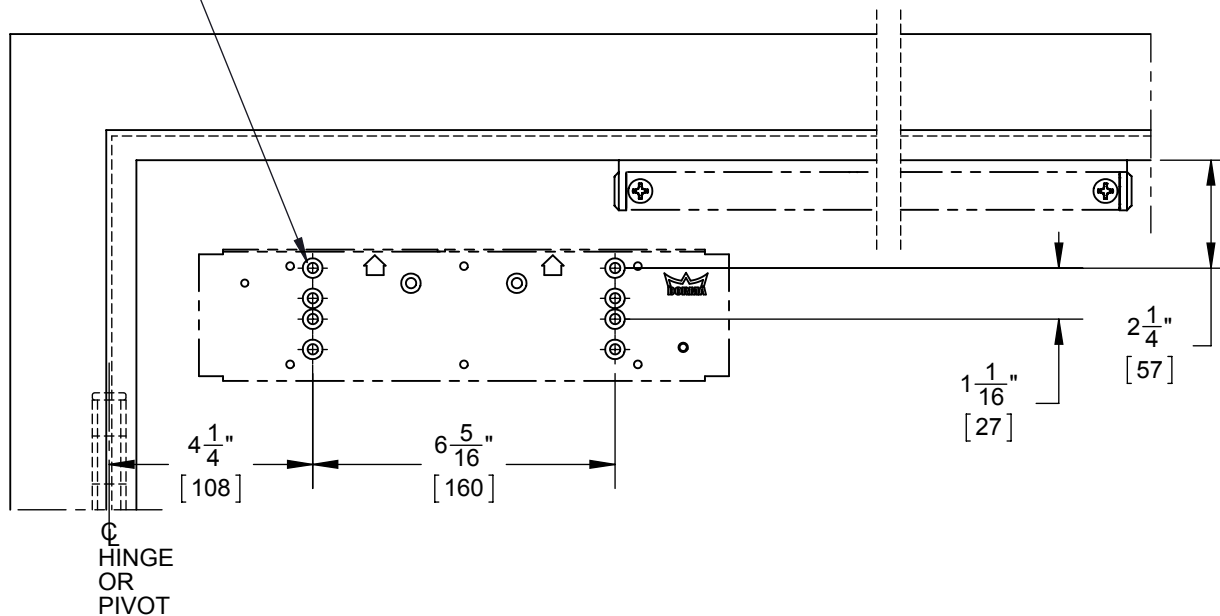


**NOTES:**

1. DRAWING IS NOT TO SCALE.
2. DIMENSIONS ARE IN INCHES/[MM].
3. LEFT HAND DOOR IS SHOWN.
4. MAXIMUM DEGREE OF OPENING IS 105°.
5. MINIMUM DOOR WIDTH 36".
6. USE CLOSER BODY STYLE "G" FOR THIS INSTALLATION.
7. ARROWS ON PLATE POINT UPWARD.
8. CAUTION: SEX NUTS RECOMMENDED FOR ATTACHMENT OF COMPONENTS ON UNREINFORCED, COMPOSITE, OR LABELED FIRE DOORS, UNLESS AN ALTERNATIVE METHOD IS IDENTIFIED IN THE INDIVIDUAL DOOR MANUFACTURER'S LISTINGS.
9. TEMPLATE IS FOR 4-1/2" x 4-1/2" BUTT HINGES AND 3/4" OFFSET PIVOTS.

1/4-20 MACHINE SCREWS.  
USE No. 7 (Ø .201) DRILL AND TAP.  
WOOD SCREW PROVIDED, USE Ø 11/64" DRILL.  
(2) HOLES IN FRAME ARE FOR ANGLE BRACKET.

10-32 MACHINE SCREWS, USE No. 21 (Ø .159") DRILL AND TAP.  
WOOD SCREWS PROVIDED, USE Ø 9/64" DRILL.  
OPTIONAL SEX NUTS, USE Ø 3/8" DRILL.  
FOUR (4) HOLES IN DOOR ARE FOR MOUNTING PLATE (SHOWN).



DEGREE OF DEADSTOP	DIM. "A"
85°	15-3/8" [391]
90°	14-7/8" [378]
95°	14" [356]
100°	13-1/4" [337]
105°	12-1/2" [318]
110°	11-3/4" [298]

DOOR CLOSER MODEL: TS93 SPT  
TRACK INSTALLATION (PUSH SIDE MOUNT)  
WITH ANGLE BRACKET

DORMA USA, Inc.  
Reamstown, PA 17567

Toll-Free: (800) 523-8483  
Facsimile: (800) 274-9724

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