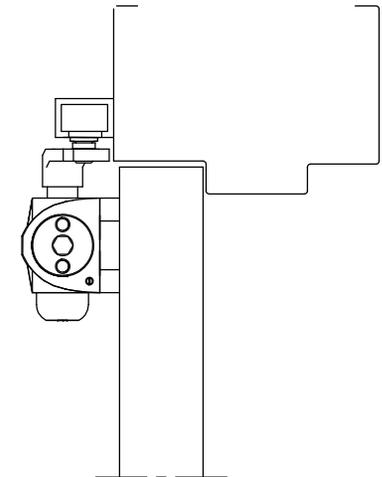
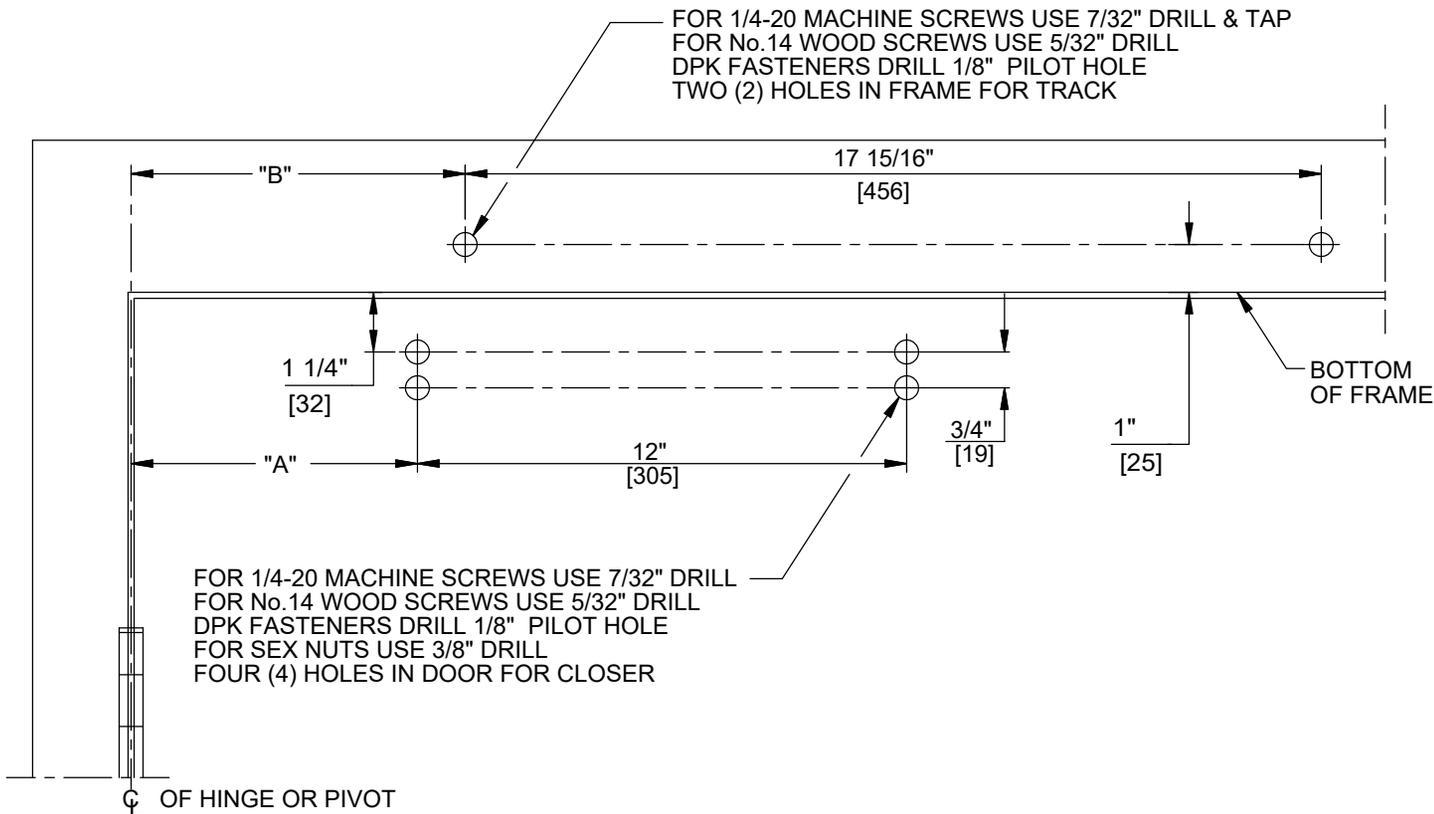


NOTES:

1. DO NOT SCALE DRAWING.
2. DIMENSIONS ARE IN INCHES/(MM).
3. RIGHT HAND DOOR SHOWN.
4. CAUTION: SEX NUTS ARE REQUIRED FOR ATTACHMENT OF COMPONENTS TO UNREINFORCED DOORS AND TO WOOD OR PLASTIC FACED COMPOSITE TYPE FIRE DOORS, UNLESS AN ALTERNATIVE METHOD IS IDENTIFIED IN THE INDIVIDUAL DOOR MANUFACTURER'S LISTINGS.
5. MAX. OPENING IS 175°.
6. OPTIONAL DPK FASTENERS (DPK86) FOR STEEL DOOR & FRAME ONLY.

ANGLE OF OPENING	DIM. "A" CLOSER	DIM. "B" TRACK	HOLD OPEN RANGE
85°	$\frac{6-1/2}{(165)}$	$\frac{8-3/4}{(222)}$	30°-80°
90°	$\frac{6}{(152)}$	$\frac{8-1/4}{(200)}$	30°-85°
110°	$\frac{4-3/4}{(121)}$	$\frac{6-1/2}{(165)}$	30°-100°
175°	$\frac{4-1/4}{(108)}$	$\frac{4-1/2}{(114)}$	30°-145°



DOOR CLOSER MODELS: 8616 JT, JTH
TRACK INSTALLATION (PULL SIDE MOUNT)

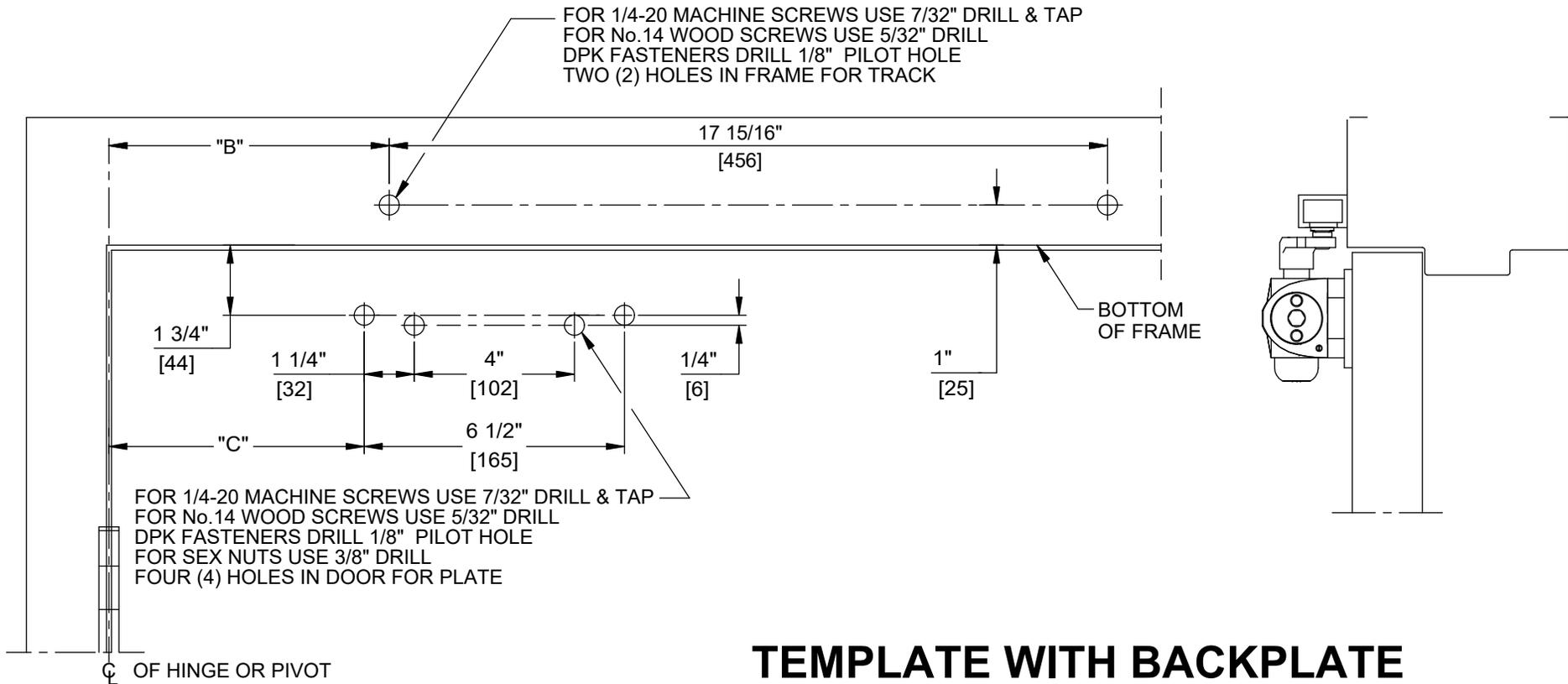


dormakaba USA Inc.
800 523 8483

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5. MAX. OPENING IS 175°.
6. OPTIONAL DPK FASTENERS (DPK86) FOR STEEL DOOR & FRAME ONLY.

ANGLE OF OPENING	DIM. "C" PLATE	DIM. "B" TRACK	HOLD OPEN RANGE
85°	$\frac{6-7}{8}$ (175)	$\frac{8-3}{4}$ (222)	30°-80°
90°	$\frac{6-3}{8}$ (162)	$\frac{8-1}{4}$ (200)	30°-85°
110°	$\frac{5-1}{8}$ (130)	$\frac{6-1}{2}$ (165)	30°-100°
175°	$\frac{4-5}{8}$ (117)	$\frac{4-1}{2}$ (114)	30°-145°



DOOR CLOSER MODELS: 8616 JT, JTH
 TRACK INSTALLATION (PULL SIDE MOUNT)
 WITH PLATES BP86, BP86FC