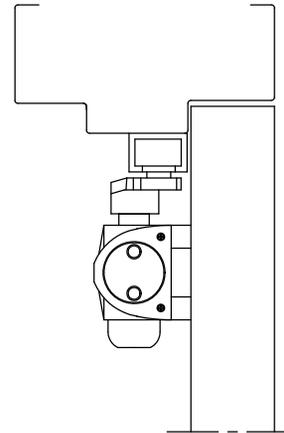
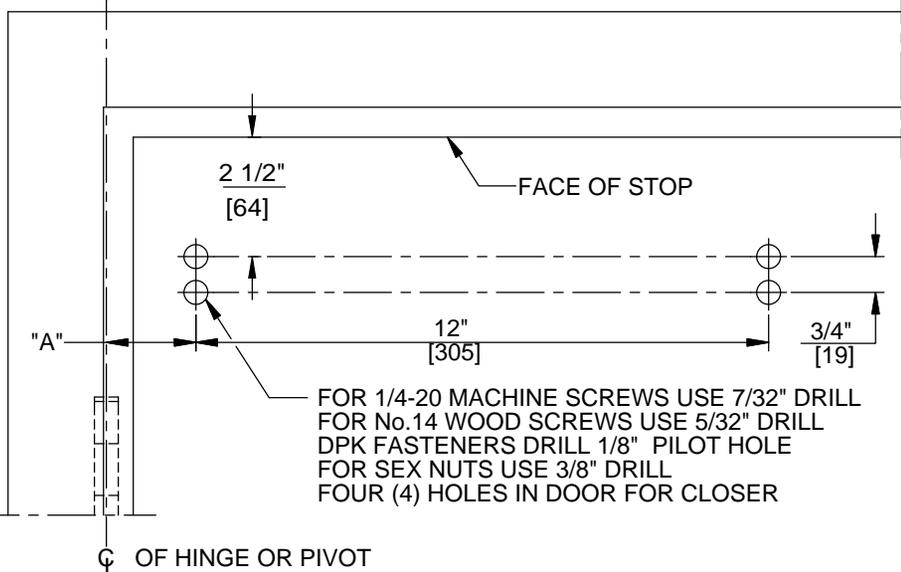
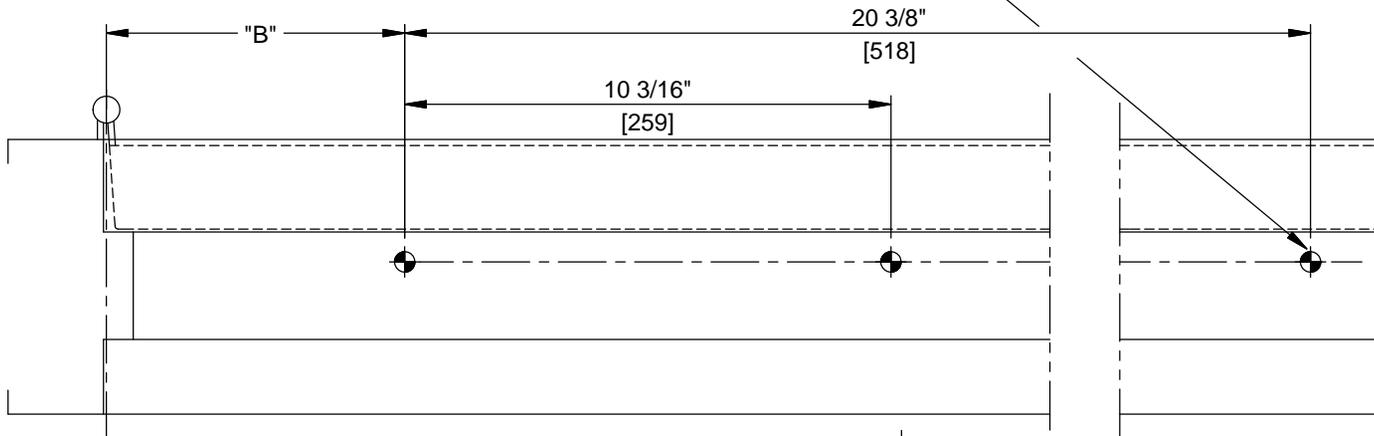


FOR 1/4-20 MACHINE SCREWS USE 7/32" DRILL
 FOR No.14 WOOD SCREWS USE 5/32" DRILL
 DPK FASTENERS DRILL 1/8" PILOT HOLE
 THREE (3) HOLES IN FRAME FOR TRACK

ANGLE OF OPENING	DIM. "A" DOOR	DIM. "B" TRACK	HOLD OPEN RANGE
85°	1-7/8 (48)	9-7/8 (251)	30°-82°
90°	1-7/8 (48)	8-1/4 (209)	30°-87°
100°	1-7/8 (48)	6-1/4 (159)	30°-97°



NOTES:

1. DO NOT SCALE DRAWING.
2. DIMENSIONS ARE IN INCHES/(MM).
3. LEFT 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 100°.
6. OPTIONAL DPK FASTENERS (DPK86) FOR STEEL DOOR & FRAME ONLY.

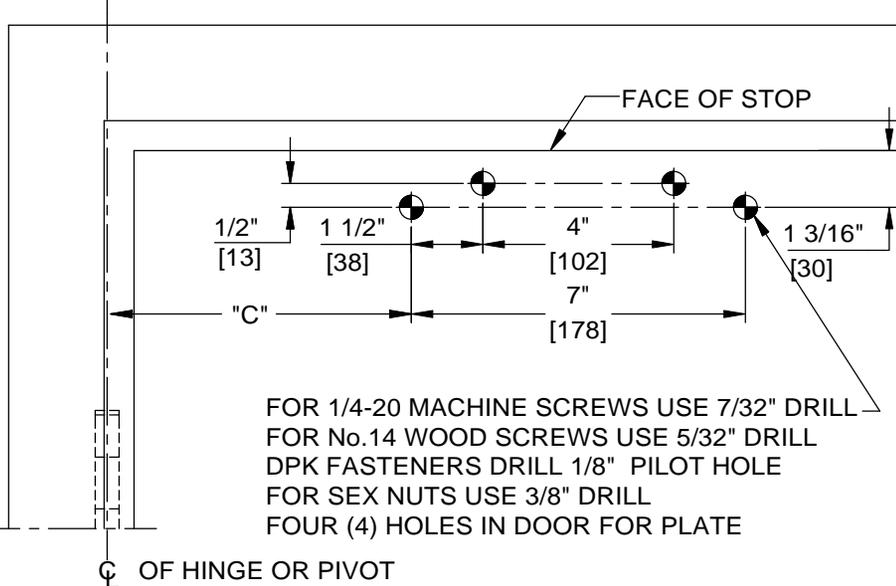
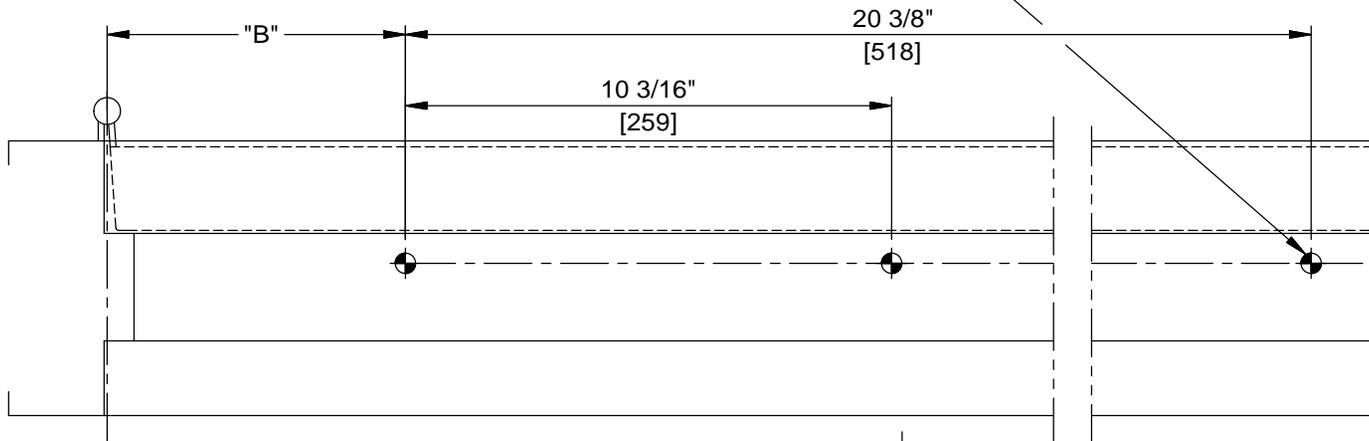
DOOR CLOSER MODELS: 8616 PT, PTH
 PARALLEL TRACK INSTALLATION (PUSH SIDE MOUNT)



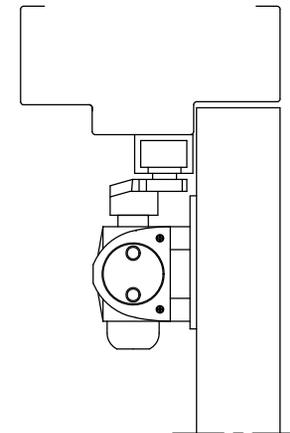
DORMA Architectural Hardware
 Reamstown, PA 17567

FOR 1/4-20 MACHINE SCREWS USE 7/32" DRILL
 FOR No.14 WOOD SCREWS USE 5/32" DRILL
 DPK FASTENERS DRILL 1/8" PILOT HOLE
 THREE (3) HOLES IN FRAME FOR TRACK

ANGLE OF OPENING	DIM. "C" PLATE	DIM. "B" TRACK	HOLD OPEN RANGE
85°	6-3/8 (162)	9-7/8 (251)	30°-82°
90°	6-3/8 (162)	8-1/4 (209)	30°-87°
100°	6-3/8 (162)	6-1/4 (159)	30°-97°



FOR 1/4-20 MACHINE SCREWS USE 7/32" DRILL
 FOR No.14 WOOD SCREWS USE 5/32" DRILL
 DPK FASTENERS DRILL 1/8" PILOT HOLE
 FOR SEX NUTS USE 3/8" DRILL
 FOUR (4) HOLES IN DOOR FOR PLATE



NOTES:

1. DO NOT SCALE DRAWING.
2. DIMENSIONS ARE IN INCHES/(MM).
3. LEFT 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 100°.
6. OPTIONAL DPK FASTENERS (DPK86) FOR STEEL DOOR & FRAME ONLY.

DOOR CLOSER MODELS: 8616 PT, PTH
 PARALLEL TRACK INSTALLATION (PUSH SIDE MOUNT)
 WITH PLATES DP86, DP86FC



DORMA Architectural Hardware
 Reamstown, PA 17567