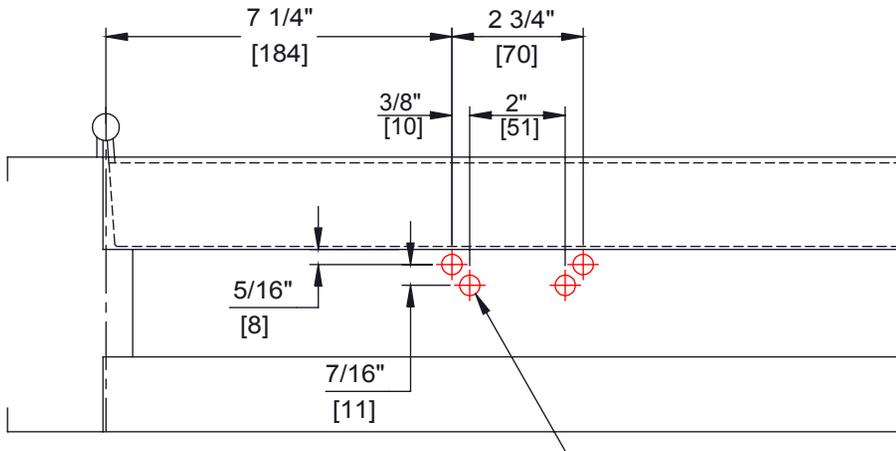
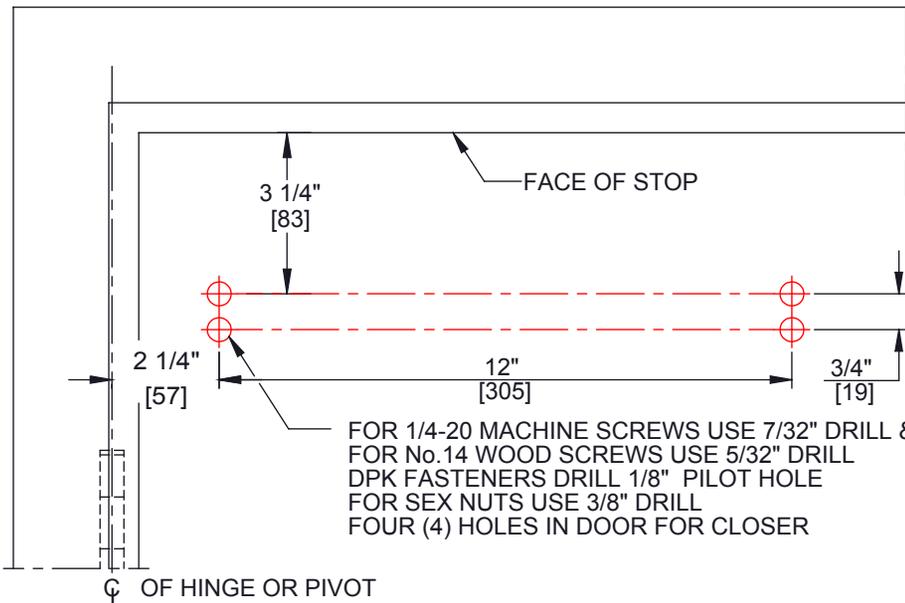


NOTES:

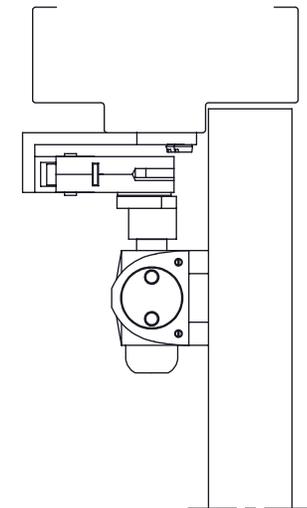
1. DO NOT SCALE DRAWING.
2. DIMENSIONS ARE IN INCHES/(MM).
3. LEFT HAND DOOR SHOWN.
4. CAUTION: SEX NUTS ARE REQUIRED FOR ATTACHMENT OF COMPONENTS TO UNREINFORCED DOORS AND TO WOOD OR PLASTIC FACED COMPOSITE TYPE FIRE DOORS, UNLESS AN ALTERNATIVE METHOD IS IDENTIFIED IN THE INDIVIDUAL DOOR MANUFACTURER'S LISTINGS.
5. MAX. OPENING IS 180°.
6. HOLD OPEN RANGE 30° - 100°.
7. OPTIONAL DPK FASTENERS (DPK86) FOR STEEL DOOR & FRAME ONLY.



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
 FOUR (4) HOLES IN FRAME FOR PA BRACKET



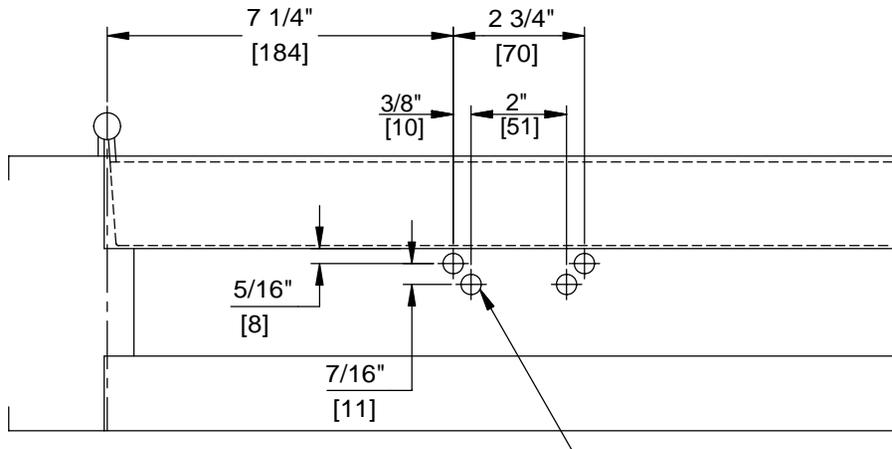
FOR 1/4-20 MACHINE SCREWS USE 7/32" DRILL & TAP
 FOR No.14 WOOD SCREWS USE 5/32" DRILL
 DPK FASTENERS DRILL 1/8" PILOT HOLE
 FOR SEX NUTS USE 3/8" DRILL
 FOUR (4) HOLES IN DOOR FOR CLOSER



DOOR CLOSER MODELS: 8616 PHP
 PARALLEL ARM INSTALLATION (PUSH SIDE MOUNT)
 PLUNGER HOLD OPEN ARM



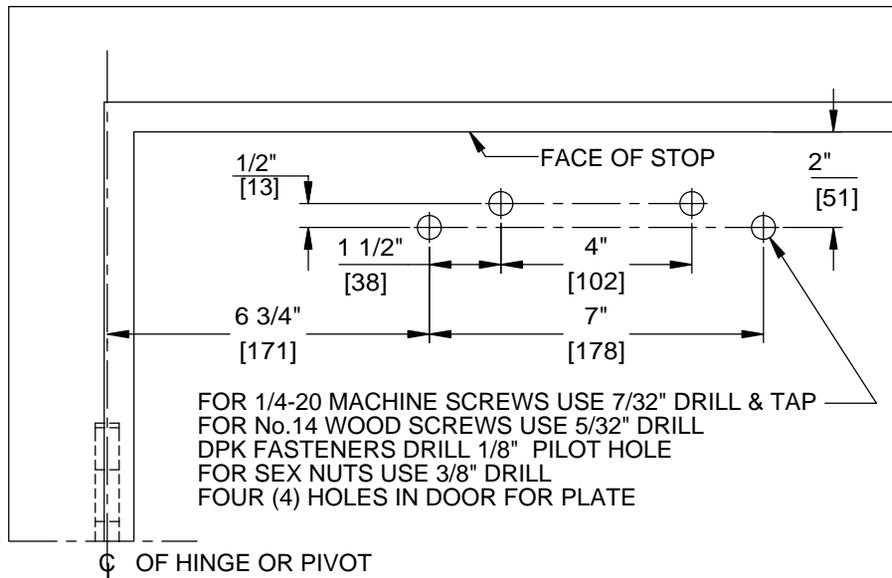
DORMA Architectural Hardware
 Reamstown, PA 17567



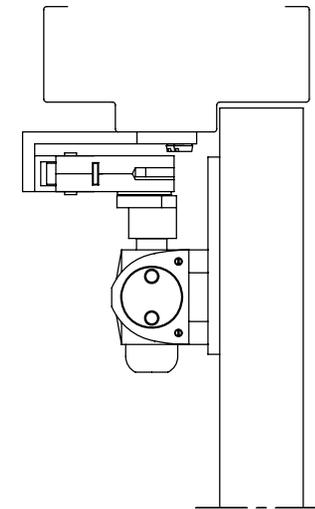
FOR 1/4-20 MACHINE SCREWS USE 7/32" DRILL
 FOR No.14 WOOD SCREWS USE 5/32" DRILL
 DPK FASTENERS DRILL 1/8" PILOT HOLE
 FOUR (4) HOLES IN FRAME FOR PA BRACKET

NOTES:

1. DO NOT SCALE DRAWING.
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 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



DOOR CLOSER MODELS: 8616 PHP
 PARALLEL ARM INSTALLATION (PUSH SIDE MOUNT)
 PLUNGER HOLD OPEN ARM
 WITH PLATES AND DP86, DP86FC



DORMA Architectural Hardware
 Reamstown, PA 17567