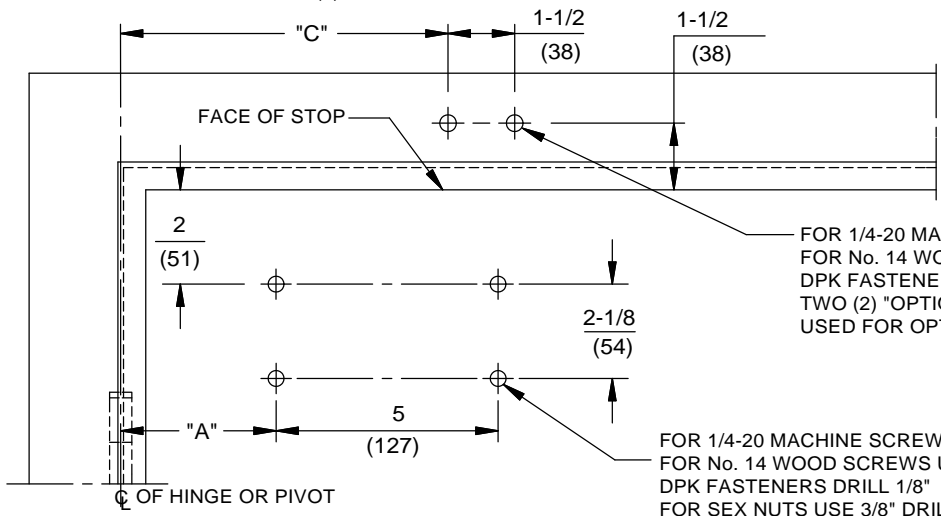FOR 1/4-20 MACHINE SCREWS USE 7/32" DRILL & TAP
FOR No. 14 WOOD SCREWS USE 5/32" DRILL
DPK FASTENERS DRILL 1/8" PILOT HOLE
FOUR (4) HOLES IN SOFFIT FOR SOFFIT PLATE

"B"

3-1/4
(83)

5/8
(16)

2
(51)

* 2-9/32
(58)

3-3/32
(79)

3/8
(10)

7/16
(11)

1-5/8
(41)

*IMPORTANT: CHOOSE APPROPRIATE FIFTH HOLE LOCATION
FOR SPACER BLOCK, IN ACCORDANCE WITH FRAME WIDTH.
ONE (1) HOLE IN FRAME FOR BLOCK

ANGLE OF OPENING HOLD OPEN	DIM. "A" CLOSER	DIM. "B" SOFFIT PLATE	DIM. "C" (NFHD) BRACKET OPTIONAL
TO 100° H.O. 90°	6-7/8 (175)	10-5/16 (262)	11-3/16 (284)
TO 180° H.O. 123°	3-1/4 (83)	6-11/16 (170)	7-9/16 (192)

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. FOR FRAME WIDTHS 4-1/2" AND LESS USE OPTIONAL NFHD BRACKET.
6. MINIMUM DOOR WIDTH 26".
7. OPTIONAL DPK FASTENERS (DPK89) FOR STEEL DOOR & FRAME ONLY.

"C"

1-1/2
(38)

1-1/2
(38)

FACE OF STOP

2
(51)

2-1/8
(54)

5
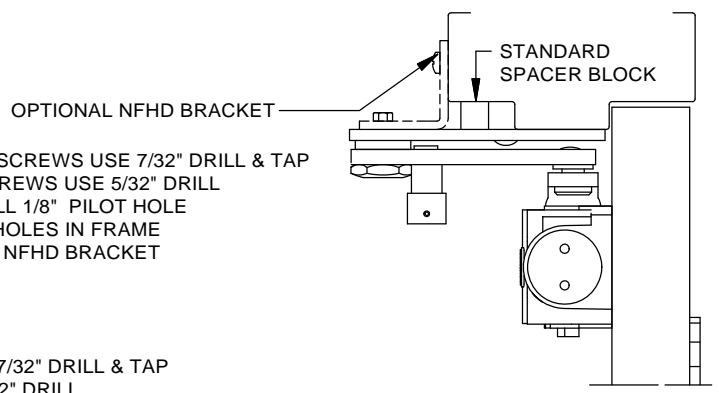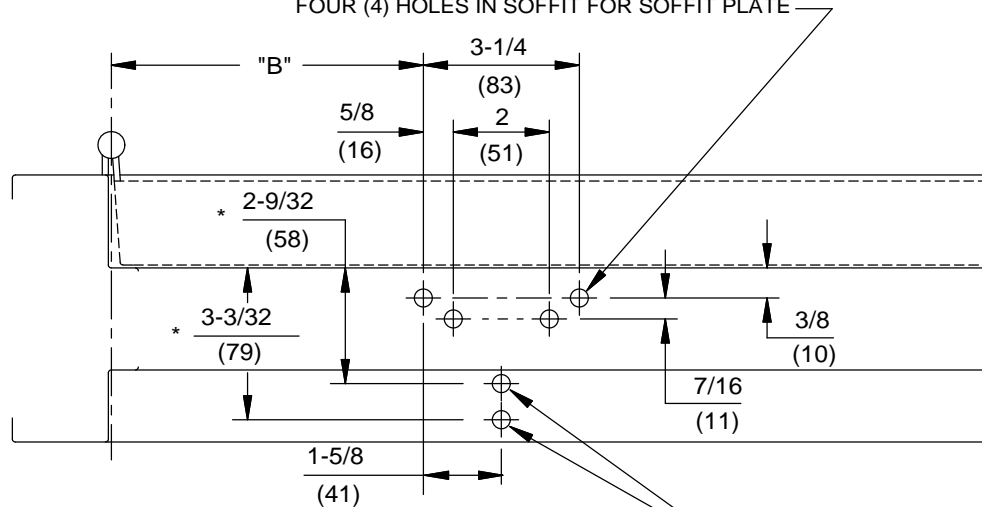(127)

"A"

℄ OF HINGE OR PIVOT

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
TWO (2) "OPTIONAL" HOLES IN FRAME
USED FOR OPTIONAL NFHD BRACKET

STANDARD SPACER BLOCK

OPTIONAL NFHD 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

Always consult Dorma's web site for latest template at www.dorma-usa.com or call 1-800-523-8483.

DOOR CLOSER MODELS: 8916, 8956 SPA, SPAT, SPAK
PARALLEL ARM INSTALLATION (PUSH SIDE MOUNT)
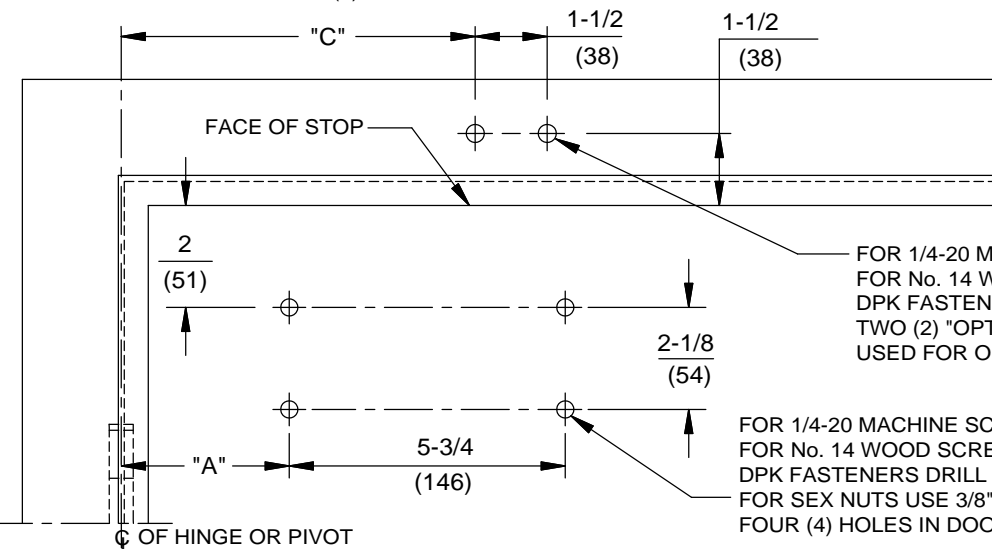WITH STANDARD SPACER BLOCK

DORMA Door Controls
Reamstown, PA 17567

DORMA

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
FOUR (4) HOLES IN SOFFIT FOR SOFFIT PLATE

"B"

3-1/4
(83)

5/8
(16)

2
(51)

* 2-9/32
(58)

* 3-3/32
(79)

3/8
(10)

7/16
(11)

1-5/8
(41)

*IMPORTANT: CHOOSE APPROPRIATE FIFTH HOLE LOCATION
FOR SPACER BLOCK, IN ACCORDANCE WITH FRAME WIDTH.
ONE (1) HOLE IN FRAME FOR BLOCK

ANGLE OF OPENING HOLD OPEN	DIM. "A" PLATE	DIM. "B" SOFFIT PLATE	DIM. "C" (NFHD) BRACKET OPTIONAL
TO 100° H.O. 90°	8-1/8 (206)	10-1/8 (257)	11 (279)
TO 180° H.O. 123°	4-1/2 (114)	6-1/2 (165)	7-3/8 (187)

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. FOR FRAME WIDTHS 4-1/2" AND LESS USE OPTIONAL NFHD BRACKET.
6. MINIMUM DOOR WIDTH 26".
7. OPTIONAL DPK FASTENERS (DPK89) FOR STEEL DOOR & FRAME ONLY.

"C"

1-1/2
(38)

1-1/2
(38)

FACE OF STOP

STANDARD SPACER BLOCK
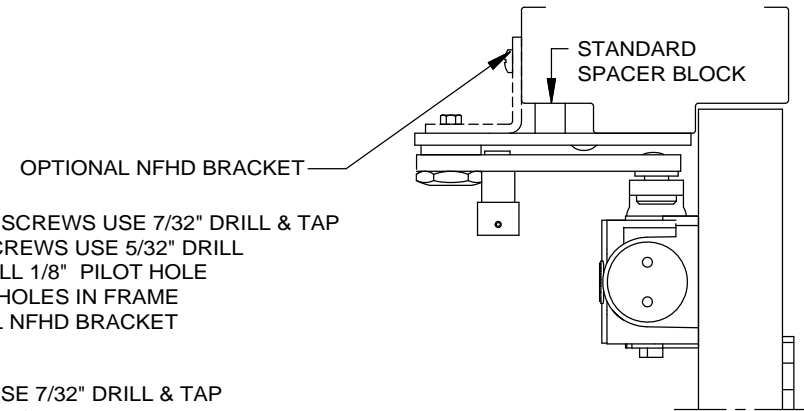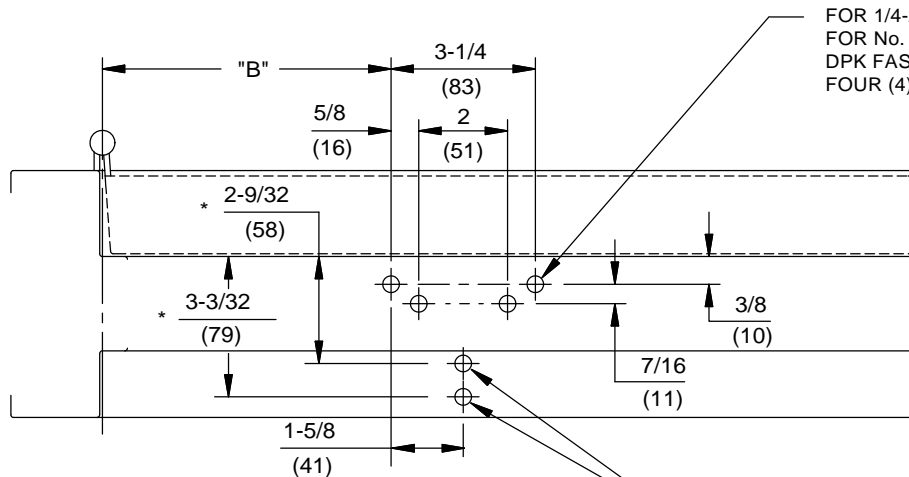
OPTIONAL NFHD BRACKET

2
(51)

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
TWO (2) "OPTIONAL" HOLES IN FRAME
USED FOR OPTIONAL NFHD BRACKET

2-1/8
(54)

"A"

5-3/4
(146)

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

C OF HINGE OR PIVOT

DOOR CLOSER MODELS: 8916, 8956 SPA, SPAT, SPAK WITH PLATE BP89
PARALLEL ARM INSTALLATION (PUSH SIDE MOUNT)
WITH STANDARD SPACER BLOCK
OPTIONAL NFHD BRACKET AND BSHD BLADE STOP SPACER BLOCK

DORMA Door Controls
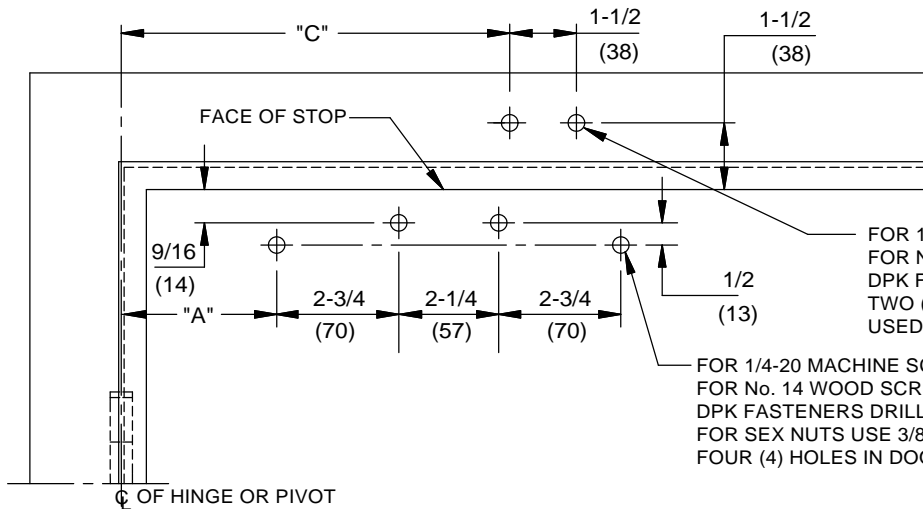Reamstown, PA 17567

DORMA

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
FOUR (4) HOLES IN SOFFIT FOR SOFFIT PLATE

"B"

3-1/4
(83)

5/8
(16)

2
(51)

2-9/32
(58)

3-3/32
(79)

3/8
(10)

7/16
(11)

1-5/8
(41)

*IMPORTANT: CHOOSE APPROPRIATE FIFTH HOLE LOCATION
FOR SPACER BLOCK, IN ACCORDANCE WITH FRAME WIDTH.
ONE (1) HOLE IN FRAME FOR BLOCK

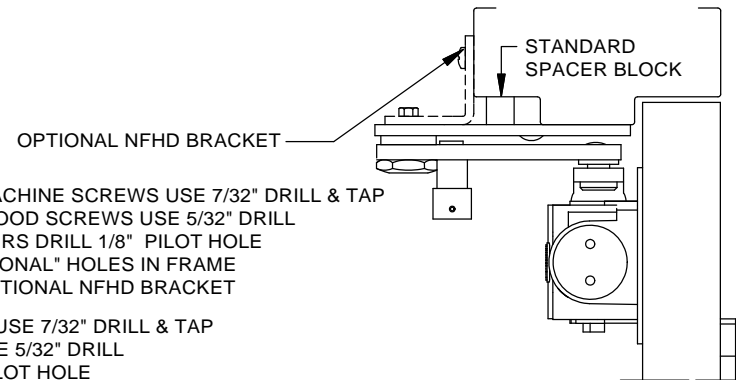| ANGLE OF OPENING HOLD OPEN	DIM. "A" CLOSER	DIM. "B" SOFFIT PLATE	DIM. "C" (NFHD) BRACKET OPTIONAL
TO 100° H.O. 90°	6-7/8 (175)	10-5/16 (262)	11-3/16 (284)
TO 180° H.O. 123°	3-1/4 (83)	6-11/16 (170)	7-9/16 (192)

NOTES:
1. DO NOT SCALE DRAWING.
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6. MINIMUM DOOR WIDTH 26".
7. OPTIONAL DPK FASTENERS (DPK89) FOR STEEL DOOR & FRAME ONLY.

1-1/2
(38)

1-1/2
(38)

"C"

FACE OF STOP

STANDARD SPACER BLOCK

OPTIONAL NFHD 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
TWO (2) "OPTIONAL" HOLES IN FRAME
USED FOR OPTIONAL NFHD BRACKET

9/16
(14)

"A"

2-3/4
(70)

2-1/4
(57)

2-3/4
(70)

1/2
(13)

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 PLATE

C OF HINGE OR PIVOT

Always consult Dorma's web site for latest template at www.dorma-usa.com or call 1-800-523-8483.

DOOR CLOSER MODELS: 8916, 8956 SPA, SPAT, SPAK WITH PLATE DP89
PARALLEL ARM INSTALLATION (PUSH SIDE MOUNT)
FOR USE WITH STANDARD SPACER BLOCK
AND OPTIONAL NFHD BRACKET AND BSHD BLADE STOP SPACER BLOCK

DORMA Door Controls
Reamstown, PA 17567

DORMA