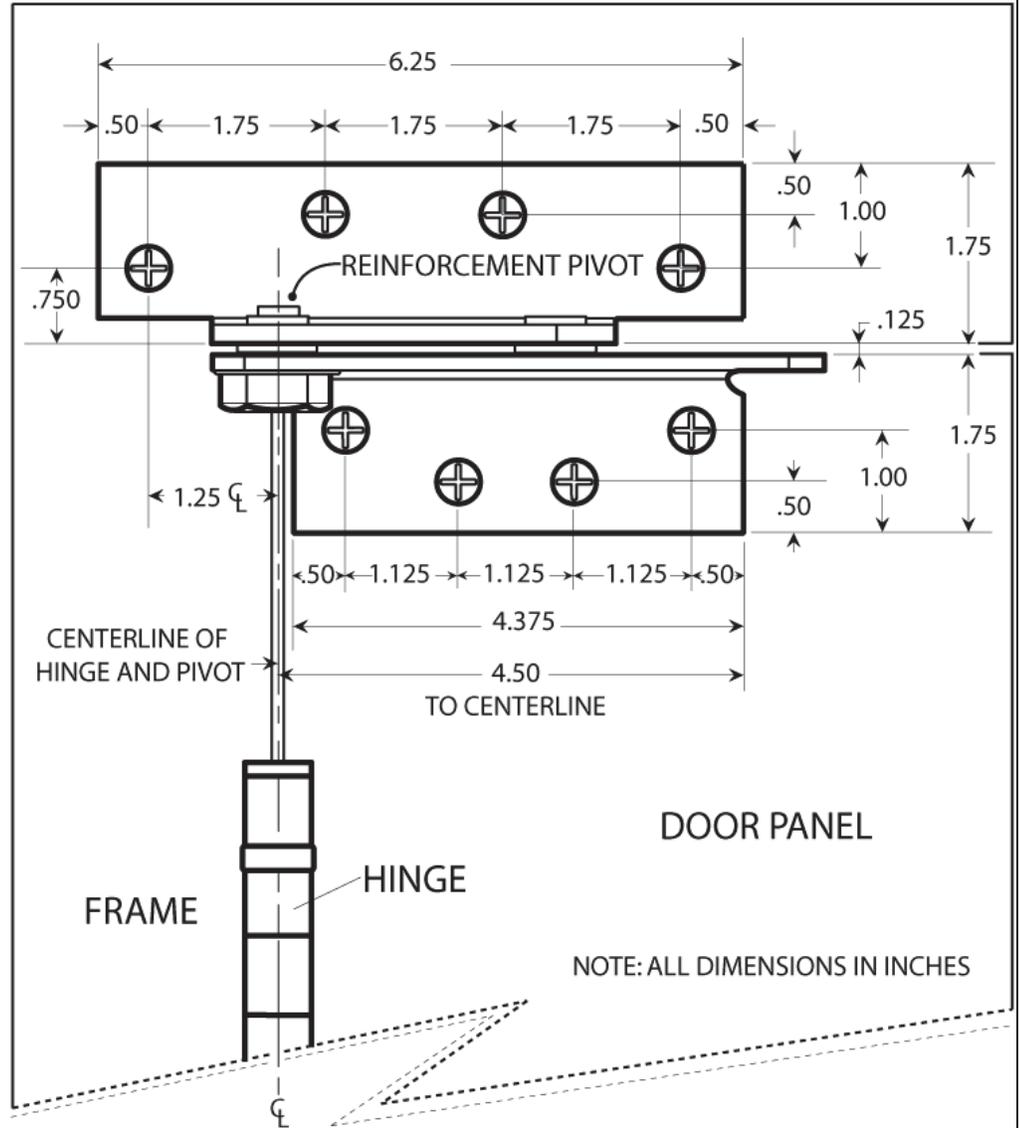
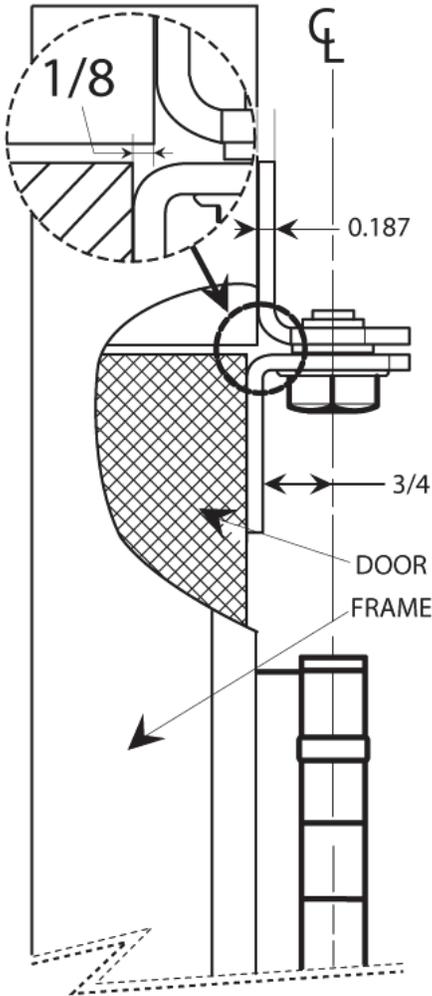


FULL SURFACE REINFORCING PIVOT HINGE



INSTALLATION INSTRUCTIONS



FASTENERS	QTY
MACHINE SCREWS 1/4-20 X 3/4" FLAT HEAD	8
WOOD SCREWS - 14 X 1-1/4" FLAT HEAD	8
1/4-20 SEX BOLT	2

Notes:

- Allow 1/8" distance from face of door to face of frame. Shims may be used as desired.
- Dimensions are based on standard 1/4" backset of butt hinge on door. Shims may be used as desired.

PART NUMBER	HINGE SIZES		DOOR THICKNESS
RPH45	4-1/2" X 4-1/2"	5" x 4-1/2"	1-3/4"

Step 1: LOCATING PIVOT ON FRAME:

- Mark a horizontal line $3/4"$ and $1-1/4"$ from the top edge of the frame. See diagram 1.
- Mark a vertical line left of the frame $1-7/32"$ (for standard .054 swage) or $1-3/16"$ (for zero swage). See diagram 2.
- Center punch at both points where the horizontal and vertical lines meet. See diagram 3.
- Measure $5-1/4"$ to the right from the intersection of the $3/4"$ horizontal line and center punch at this point. See diagram 4.
- Measure $1-3/4"$ to the right from the $1-1/4"$ horizontal line and center punch at this point. Then from this point measure another $1-3/4"$ and center punch again.

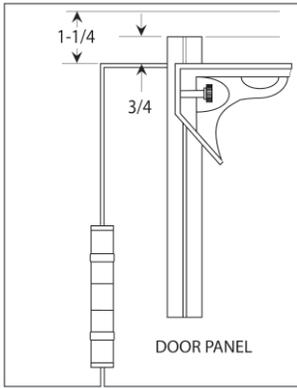


Diagram 1

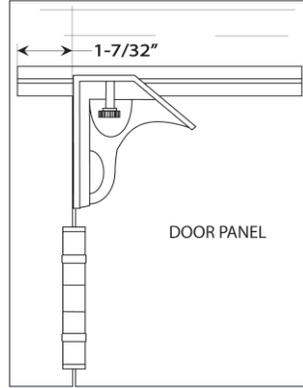


Diagram 2

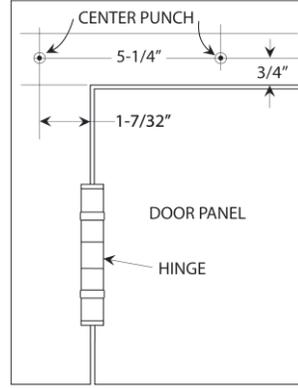


Diagram 3

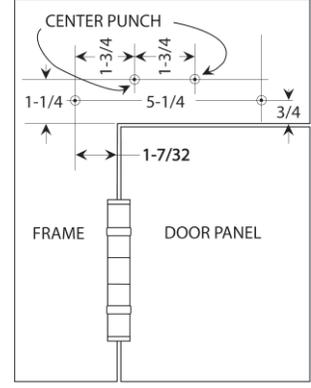


Diagram 4

Step 2:

- Drill on corresponding holes.
- For Metal Frame: Drill $.201"$ (5.11) diameter holes (Drill no.7) and tap for 1/4-20 Machine Screw. Note: Use $1/4 \times 1-1/4"$ type A Sheet Metal Screw, if material thickness is not sufficient or when hollow metal frames are not reinforced.
- For Wood Frame: Install wood screws on frame pivot after drilling pilot holes. See diagram 5. Note: Detach unused Bronze Bushing so it won't interfere with pivot movement.

Step 3:

- Check if hinges are properly and firmly attached and there is sufficient clearance between door and frame at all sides of jamb and door bottom.
- If door tends to sag away from hinge door at top, drive wedges between frame and door at opposite strike side then align hinges until door is positioned to swing free.

Step 4:

Place pivot hinge to door panel and move into position so that pin enters bronze bushing. Once aligned with lower part (making light contact with bearing flange), hold firmly in place making sure that it is parallel with top of door, then mark the hinges holes location. See diagram 6.

Step 5:

Bolts: Use 2 Thru Bolts (Sex Bolts) supplied for each pivot. Use as required for hollow metal or mineral core doors. Drill $1/4"$ (6.35 mm) hole through door. Enlarge hole on side opposite pivot only to $3/8"$ (9.53mm) diameter for Sex Bolt. See diagram 7 and 8.

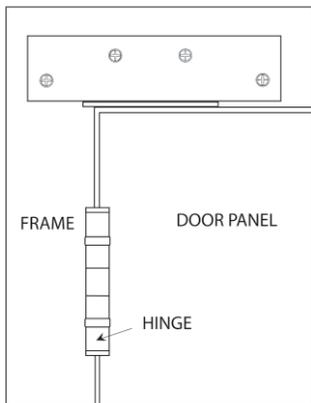


Diagram 5

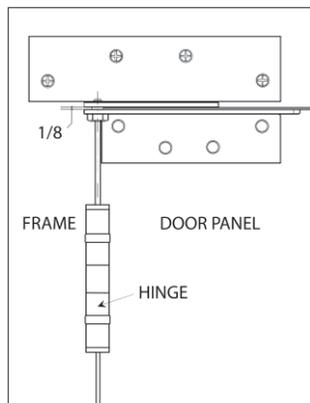


Diagram 6

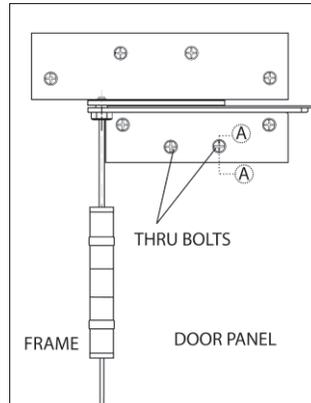


Diagram 7

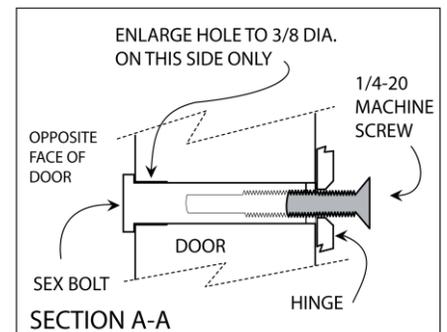


Diagram 8