1. Place the hinge frame leaf on the frame. Position the top of the hinge 1/8" 1/8 Door maximum below the header as shown (Fig.1). Place the hinge firmly a Leaf -Door Frameagainst the rabbet of the frame. 1/2'2. Mark and center punch each hole on the frame with the hinge held firmly in 0 place. For ease of installation, a center punch can help center the hole so ത that the fasteners will enter straight. Remove the hinge from the frame and prepare to drill the frame. 1 15/16" 3/4" 1 3/4" 3/4" 0 3. Drill holes: ത Ø 0 1/2" 1/2" Wood frame: Drill all holes using a #28 or 9/64" drill bit. TKS1267SP10 Hollow Metal frame: Drill all holes using a #16 drill bit or PBS12150SP10 3/8" Min. •If hollow metal frame is reinforced, thread all holes with 12-24 tap 1/16" Hinge Clearance-Frame (Square Edge) **FIG.** 1 Do not install the hinge to the frame at this time Leaf FIG. 3 FIGURE 5: HINGE PLACEMENT & CLEARANCE TEMPLATE **STEP 2. Door Preparation** 1. Position the hinge door leaf so that the top of the hinge is flush with the top of the door. Next make sure the hinge edge is up flush with the door face. 2. Mark and center punch each hole on the door with the hinge held firmly in place (Fig.2). Remove the hinge from the door and prepare to drill the door. 3. Drill holes: TKS1267SP10__ Door **Wood Doors**: Drill all holes using a #28 or 9/64" drill bit. PBS12150SP10 Frame Hollow Metal Doors: Drill all holes using a #16 drill bit. ത •If hollow metal door is reinforced, thread all holes with 12-24 tap. Ø TKS1267SP10SS (Clear) **STEP 3. Hinge installation** ۵ TKS1267SP10BL (Bronze) 1. Attaching hinge to door (Fig. 3) ത PBS12150SP10SS (Clear) Wood: Attach hinge using #12-8 x 1-1/2" Flat Head Particle Board Screws (PBS12150SP10_). PBS12150SP10BL (Bronze)-Hollow Metal: Attach hinge using #12-24 x 11/16" Flat Head Undercut Self Door Drilling Machine Screws (TKS1267SP10). Leaf STANDARD SCREW PACK FIG. 2 KMPSS (Clear Finish) M91-0001-313 (Bronze Finish) Frame FIG. 4 2. Attaching hinge to frame: (Fig. 4) Leaf (1) PER ASSEMBLY **Wood**: Attach hinge using #12-8 x 1-1/2" Flat Head Particle Board Screws (PBS12150SP10). **Hollow Metal**: Attach hinge using #12-24 x 11/16" Flat Head Undercut Self Drilling Machine Screws (TKS1267SP10_ _). FM100 INSTALLATION INSTRUCTIONS INSTALLATION INSTRUCTIONS Warkar Architectural Products 4226 Transport Street, Ventura, CA 93003 Phone: 800 824-3018 PRODUCT MUST BE INSTALLED ACCORDING TO ALL APPLICABLE Fax: 800 243-3656 **BUILDING AND LIFE SAFETY CODES** ASSA ABLOY Page 1 of 1 **M80-0180-0100** Rev. D Date: 03/18/13

STEP 1. Frame Preparation