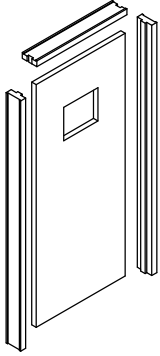
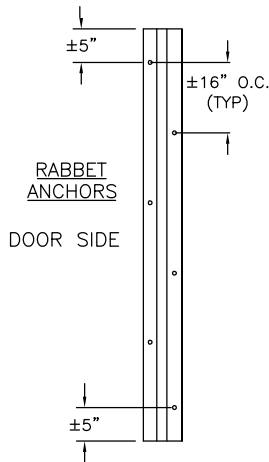


**Installation Instructions For A Single Simon Door and KD Frame  
In An Existing Opening  
Fire Rated**



1. Set the crate, which will be marked with the specific Tag location, at the opening. Remove attached packing list and check contents against list and for damage. Notify Simon Door customer service at 1-866-894-7511 if parts are damaged or missing. Retain packing material if possible freight damage. **Fire Rated Door must be installed per these instructions and current NFPA 80.**
2. Check building plans for swing and location of jambs in wall structure.
3. Fasten jambs to header with 3/16 inch flat head screws supplied using predrilled holes. Be sure that match marks on header align with corresponding marks on jambs.
4. Carefully raise jamb assembly into opening. Place wood spanner between jamb legs at floor. Do not scratch jambs.
5. Plumb jambs and level header-use shims to hold in place. Be sure jambs are parallel and header is level.
6. Set frame with supplied #14x3-3/4"Crete Flex screws. Using field drilled and countersunk holes anchor frame with supplied screws per below instructions below for indicated wall construction. Place screws in solid structure. Frame shall be tightly shimmed at each hinge location and at each frame screw. Two (2) beads of fire-rated caulking compound (by others) shall be injected behind each jamb member after setting frame in rough opening. In addition to frame screws through field-drilled holes, one (1) #14x3-3/4" Crete Flex frame screw shall replace one hinge screw at each hinge location and two (2) #14x3-3/4"Crete Flex screws through the strike plate.

**NOTE:**



1. Hinge & strike countersink must be deepened to make Crete Flex screws set flush.
2. 3" hinge screws are required to attach hinge to door (supplied).

- a. **CMU/Concrete**-Field drill 1/4 inch hole in both jamb and header rabbets. Drill into solid structure with 7/32 X 4" masonry bit by others. Place fastener 5" or 6" from each end of jamb and header as shown in drawing #1. Drill for balance of anchors at 16" o.c. staggered in rabbets. Countersink 82 deg to recess screw head.
- b. **Steel**-Same as above except field drill and tap steel structure 1/4-20 to accept supplied screws.

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 PRODUCTION: \_\_\_\_\_    DATE: \_\_\_\_\_  
 COST CONTROL: \_\_\_\_\_    DATE: \_\_\_\_\_

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**SIMON / DOOR**

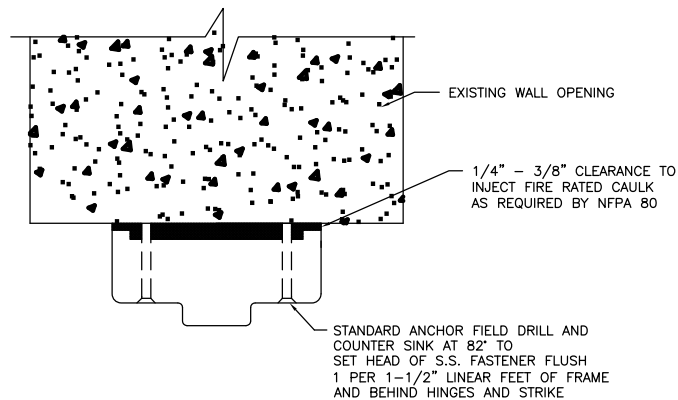
**COMPANY LLC.**

**P.O. BOX 4557 BROWNSVILLE, TX 78523  
 1-866-894-7511 / FAX: (956) 831-7530**

**INSTALLATION INSTRUCTIONS - SINGLE SIMON DOOR  
 & KD FRAME IN AN EXISTING OPENING  
 FIRE RATED**

<b>PART. NO:</b>	<b>SD-F17</b>	<b>PAGE:</b>	<b>1 OF 3</b>
<b>SCALE</b>	<b>DWN BY</b>	<b>REV. #</b>	<b>DATE</b>
<b>N.T.S.</b>	<b>MDC</b>	<b>3</b>	<b>07/14/08</b>

7. Apply small amount of silicone if desired (by others) under each countersunk anchor and snug up. Shim as necessary to hold plumb and level. Check frame width by moving spanner carefully up frame to insure that jambs are parallel. Do not scratch jambs
8. Remove spanner.
9. Hang door. Be sure to place grey slotted plastic hinge backer plates under both door and jamb hinge leaves if standard weight hinges are used.
10. Adjust hinge shims and anchors if necessary to maintain uniform clearances between door and frame. Adjust as required so door swings freely without binding.
11. Install hardware (by others) and adjust to operate properly. **All hardware must be fire rated and installed per hardware manufacturer's instructions and current NFPA 80.**
12. Caulk as specified by current NFPA 80.
13. Tools required (by others)-
  - a. Silicone
  - b. .7/32 X 4" masonry drill bit (Fastenal) concrete/cmu only
  - c. Appropriate pilot drill bit for metal stud or wood
  - d. 82-degree counter sink.
  - e. Shims for jamb to structure clearance



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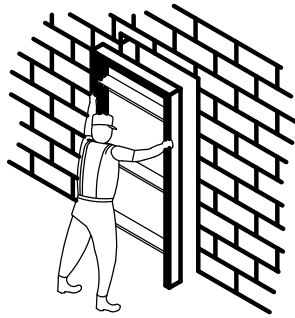
**INSTALLATION INSTRUCTIONS - SINGLE SIMON DOOR  
 & KD FRAME IN AN EXISTING OPENING  
 FIRE RATED**

<b>PART. NO:</b>	<b>SD-F17</b>	<b>PAGE:</b>	<b>2 OF 3</b>
<b>SCALE</b>	<b>DWN BY</b>	<b>REV. #</b>	<b>DATE</b>
<b>N.T.S.</b>	<b>MDC</b>	<b>3</b>	<b>07/14/08</b>

**A**

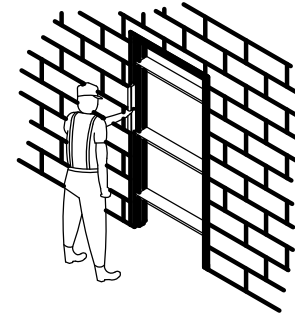
REMOVE DOOR & FRAME FROM CRATE.

**B**



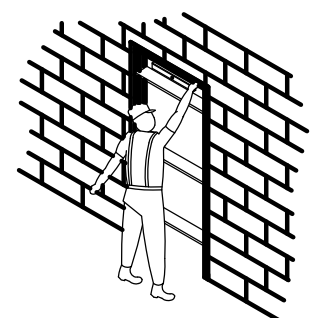
SLIDE FRAME INTO EXISTING OPENING. CHECK HANDING PER PLANS.

**C**



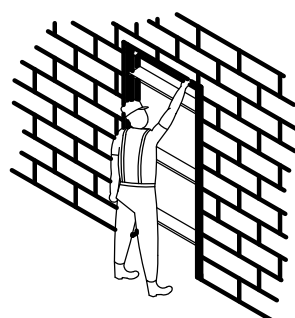
PLUMB JAMBS.

**D**



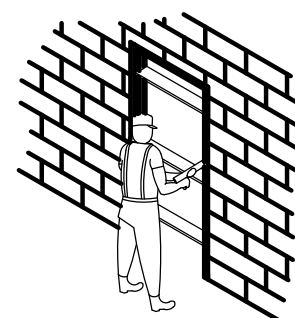
LEVEL HEADERS.

**E**



CAREFULLY MOVE WOOD SHIMS BETWEEN JAMB & WALL AT TOP UNTIL ASSY IS SNUG

**F**



INSTALL FASTENERS AS REQUIRED. CAULK JOINT BETWEEN FRAME & WALL WITH SPECIFIED SEALER.

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INSTALLATION INSTRUCTIONS - SINGLE SIMON DOOR  
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PART. NO: SD-F17		PAGE: 3 OF 3	
SCALE	DWN BY	REV. #	DATE
N.T.S.	MDC	3	07/14/08