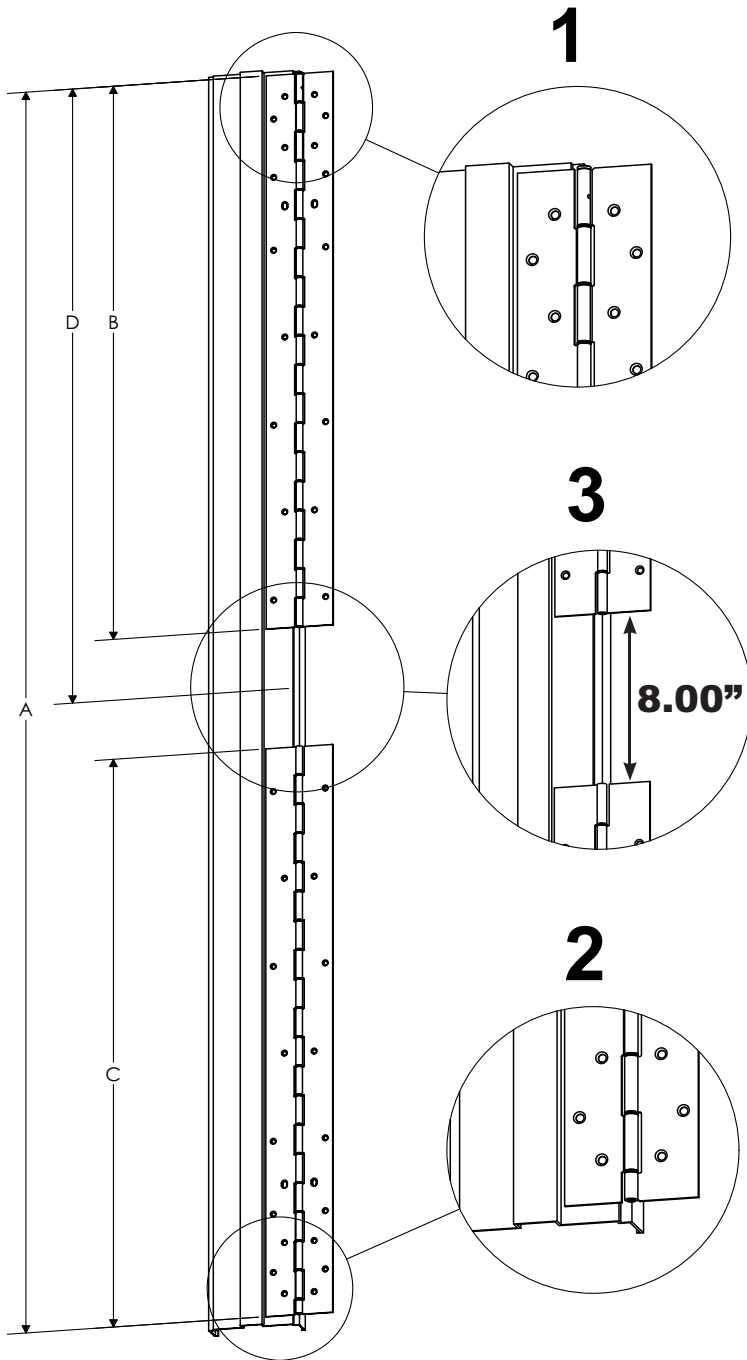




# CH51E INSTALLATION INSTRUCTIONS

PBB, Inc



## A BEFORE DOOR INSTALLMENT

All holes in the door and frame must be drilled correctly and fasteners properly installed. Failure to use the fasteners supplied by PBB, Inc. will void the UL fire rated listing.

The Universal Screw Pack contains sheet metal and self-drilling Tek screws. This allows two different installation option. If installing a wood or non-reinforced hollow metal door, follow option (I) in the instructions. If you use the self-drilling Tek screws (recommended for grouting frames), follow option (II). If the grout is hard, drilling a pilot hole can help.

- Perform each step of these instructions unless specially labeled (I) or (II).

(1) Place top hinge on frame as shown in figure of this instruction page.

- Allow 1/8" between top of hinge and underside of header panel on frame.
- Allow 1/16" between stop and edge of hinge.

Carefully mark all the hole locations on the door jamb with the hinge held firmly in place. (Be sure the hinge is level and plumb with frame before proceeding further)

(2) Temporarily place provided electric continuous hinge template and place bottom hinge on frame as shown in figure of this instruction page.

- Allow 1/16" between stop and edge of hinge.
- Measure from the top of upper hinge to the bottom of lower hinge to verify the length (A).

Carefully mark all the hole locations on the door jamb with the hinge held firmly in place. (Be sure the hinge is level and plumb with frame before proceeding further)

(3) Electrical continuous hinge spacing is now provided.

---->GO TO SECTION B ON REVERSE SIDE

## C AFTER DOOR INSTALLMENT

Attach the hinges to the frame, leaving the electric hinge unattached for wiring into frame. Once wiring is complete, attach electric hinge into frame.

(C-I) using #10 x 1-1/4" flat head undercut sheet metal screws. (Figure 2)

OR

(C-II) using self-drilling Tek screws. (Figure 2)

(Advise Caution-Use of power drill may over-torque self drilling screw and cause stripping of threads.)

Close the door and check for proper alignment.

- If the door requires adjustment for proper fit, make this adjustment by loosening screws on the frame leaf and shimming where needed using shims. (Call PBB for shims)
- Follow instructions in the box for field cut-down.
- Hospital tips on hinges should be placed on the top of the door.

Dimensions Table

A	B	C	D*
79.125"	36.00"	35.125"	39.90"
83.125"	38.00"	37.125"	41.90"
85.000"	38.00"	39.00"	41.90"
95.000"	44.00"	43.00"	47.90"

\*Centerline locations of wires, refer to page 22 for template.



# CH51E INSTALLATION INSTRUCTIONS

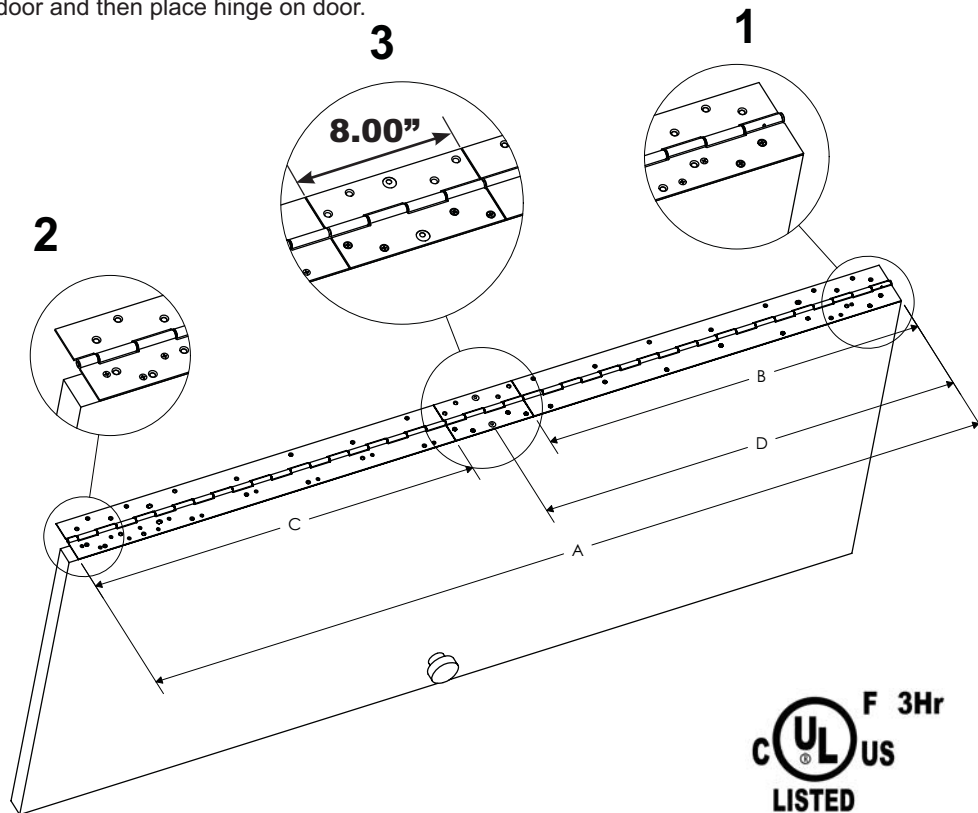
**PBB, Inc**

- (1)** Place the top hinge on the edge of the door. Carefully line up the hinge with the top and back edges of the door.
- Mark all the hole locations on the door with the hinge held firmly in place.
  - Center punch each hole.
- (I) or (II) Drill all the holes using a #26 drill.
- (B-I) Attach the hinge to the door with #10 x 1-1/4" flat head undercut sheet metal screws. (Bottom figure)
- OR
- (B-II) Attach the hinge to the door with #10 x 1/2" flat head undercut self-drilling Tek screws. (Bottom figure) *(Advise Caution-Use of power drill may over-torque self drilling screw and cause stripping of threads.)*
- (2)** Place the electrical hinge template below the upper hinge. Carefully line up the template with the bottom of the top hinge and back edges of the door.
- For electrical hinge wiring on door side drill a maximum 5/8" hole through specified location on the template. Then remove template, wire the door and then place hinge on door.

- Mark all hole locations on the door with hinge held firmly in place.
  - Center punch each hole.
  - (I) or (II) Drill all the holes using a #26 drill.
  - Repeat steps (B-I) or (B-II) for electric hinge.
- NOTE: Please be careful as damaging wires will void warranty.**

- (3)** Place the lower hinge below the electrical hinge. Carefully line up the hinge with the back edges of the door and verify length (A).
- Mark all hole locations on the door with hinge held firmly in place.
  - Center punch each hole.
  - (I) or (II) Drill all the holes using a #26 drill.
  - Repeat steps (B-I) or (B-II) for bottom hinge.
- NOTE: Hinge barrels must line up exactly so there is no binding on hinge.**

--->GO TO SECTION C ON REVERSE SIDE



Dimensions Table

A	B	C	D*
79.125"	36.00"	35.125"	39.90"
83.125"	38.00"	37.125"	41.90"
85.000"	38.00"	39.00"	41.90"
95.000"	44.00"	43.00"	47.90"

\*Centerline locations of wires, refer to page 22 for template.