IMPORTANT: Read all instructions before beginning installation.

These instructions are provided to help prevent installation problems caused by most common errors. They are strictly recommendations and are not intended to be a step-by-step, foolproof installation checklist suitable for every situation. There are many variations of installations not covered in these instructions that Special-Lite assumes are general construction knowledge to an experienced installer.

Selection of an experienced installer is the sole responsibility of the project owner or responsible party. Failure to follow good practice in installation will void the warranty on Special-Lite products.

If you have any questions about installation techniques for your particular project, please call 1-800-821-6531 and ask for a Special-Lite Customer Service Representative or Training Manager.

This and other Installation Instructions can be found on Special-Lite’s web site at www.special-lite.com.
1. It is important to field inspect all cartons and crates for damage as well as contents of package for damages.

2. If frame is factory welded or assembled do not remove any banding tape prior to removing from box.

3. Check work orders or a print to ensure proper material has been shipped before starting job.

4. Measure the new framing and door(s) to make sure everything is sized and located correctly. This is especially important in retrofit situations before demolition of an existing opening is commenced.

5. Review existing wall construction to determine type of construction
   - Masonry
   - CMU

6. Check plans for swing and location of jambs in structure.

7. Measure all framing.

8. Measure the opening to verify it is ½" larger in width and ¼" taller in height.

9. Check all existing constructed walls and headers for plumb and level.

10. Check the top of the opening and floor to make sure they are level.

11. Determine high side of floor.

   NOTE:
   Use a level and straight edge to determine the high side of the floor.

12. Slide head onto jamb legs. Install the provided #12 x ¾" stainless steel sheet metal screws in the rabbets at the top of the frame legs (4 places)

   NOTE:
   If pre-assembled remove shipping spreader bars.

   FIGURE A

   #12 x 3/4’ ss sheet metal screw 4 places

   Remove shipping spreader bar on welded frames

13. Upon determination of frame location, set frame into position.

   FIGURE B

   Plumb lines marked on the sides of rough opening

   SET FRAME IN OPENING

   NOTE:
   The door frame may be set flush with one side of the wall, recessed, or centered.
NOTE:
An Installation Kit (optional) can be ordered which consists of
• 16 – EZ-Shims
• 8 – 4" EMF810 tap-con (Crete Flex) #3 Phillips Head
S.S. anchors.

14. When frame is in place, place the threshold or a spreader bar
the same length as the door opening to keep the strike and hinge
jamb parallel.

15. Use tapered shims while centering the frame in the opening
making sure the door jambs are plum and level, and shim
under the jamb if necessary to level the head.

16. Drill the mounting holes with a 7/32" x 5-1/2" masonry bit in
the rough opening through the dimples on the hinge jamb. As
the fasteners (Tap Con #14 Phillips Flat Head) are installed in
the hinge jamb with a #3 Phillips bit, the jamb may move out of
plumb or square. Shims can be added, removed, or adjusted as
needed to keep the jamb in position.

NOTE:
If the door is on site then the installer might find it easier to
hang the door after the hinge jamb is fastened to the wall. Then
close the door into the opening and adjust the frame as needed
to maintain an even margin (1/8") across the top of the door by
placing shims at the bottom of the strike jamb to hold it in place.
The strike jamb is installed in the same manner as the hinge
jamb by using shims to maintain a 1/8" latch jamb clearance....
Make sure that the head is still level and then the strike jamb is
installed in the same manner as the hinge jamb.

Installation of doors with butt hinges

NOTE:
The stile edge of the doors and rabbet of the frames are
provided field prepped for butt hinges. Use only the stainless
steel sheet metal screws provided. Do not use machine screws,
self drilling, and self tapping or combination screws! Hinge
screws are best installed with a drill or screw gun that has an
adjustable clutch set at the lowest setting to seat the screw.

17. Install the hinges to the door using the stainless steel sheet
metal screws provided.

18. Hang door(s) in frame with 3 screws in hinge jamb-one at top,
middle and bottom.

19. Close door and check for Special-Lite recommended
clearances:
• 1/8" at strike jamb on single doors
• 1/8" at head. Adjust as needed.

NOTE:
Shimming behind hinges and adjusting the frame may be
required to maintain the recommended clearances.

20. Install remaining hinge screws in frame.

Installation of doors with continuous hinge

NOTE:
If the stile edge of the door and rabbet of the frame have been
sized for a continuous hinge, use only stainless steel sheet
metal screws provided. Do not use machine screws, self drill-
ing and self tapping or combination screws! Hinge screws are
best installed with a drill or screw gun that has an adjustable
clutch set at the lowest setting to seat the screw.

21. If the hinge needs to be prepped in the field, use the hinge
manufactures recommendations and pre-drill the screw holes
with a 5/32" drill bit.

22. Using a # 3 Phillips power bit drive the screw in part way,
reverse all the way out and repeat until screw is seated all the
way. This may take 2-3 cycles. Remember you are creating a
threaded hole in the fiberglass reinforcement.
23. Hang door(s) in frame with 6 screws in hinge jamb-two at top, middle and bottom.

24. Close door and check for Special-Lite recommended clearances:
   • 1/8" at strike jamb on single doors
   • 1/8" at head. Adjust as needed.

   NOTE:
   Shimming behind hinges and adjusting the frame may be required to maintain the recommended clearances.

25. Install remaining hinge screws in frame.

26. Apply caulk along the interior and exterior frame return edges.

27. If a threshold is required, place in position and check for proper door clearance. Be sure to set threshold in caulk to prevent threshold from leaking. Secure threshold with proper fasteners.

28. Consult manufacturer for proper and or appropriate use and installation.

   NOTE:
   Use only stainless steel sheet metal screws provided by Special-Lite or wood screws from the hardware manufacture. Do not use machine screws, self drilling and self tapping or combination screws!

29. Field adjustment may be necessary. All hardware must be field adjusted after door is hung, for proper function. (Strikes, closers, etc.)


31. Apply bead of Dow Corning 995 (or equivalent) along perimeter of the lite kit stop.

32. Install 1-1/4” UL-752 Level 3 rated glazing material. Suggested material:
   • Hygard EX1300 (in stock)
   • Hygard BR1250
   • LTI Smartguard BR3

33. Apply bead of Dow Corning 995 to groove of interior side of AF-BR’LK lite kit. Place the AF-BR’LK lite kit in its original position on the interior side of the door and re-install SC-109 screws.

34. Consult manufacturer for proper and or appropriate use and installation.

   NOTE:
   Use only stainless steel sheet metal screws provided by Special-Lite or wood screws from the hardware manufacture. Do not use machine screws, self drilling and self tapping or combination screws!

29. Field adjustment may be necessary. All hardware must be field adjusted after door is hung, for proper function. (Strikes, closers, etc.)
34. Check door for nicks and scratches.

35. Touch up kit for painted products provided for minor imperfections.

GENERAL CLEANING

36. a. Thoroughly pre-rinse with warm water to loosen and wash away surface material, grit and grime.

b. Using a soft microfiber cloth or moist non-abrasive sponge, gently wash with a mild diluted soap or detergent.

c. Rinse thoroughly with lukewarm clean water. To prevent water spots, thoroughly dry the glazing with a dry soft cloth.

COMPATIBLE CLEANERS

37. The following cleaning agents are compatible with Makrolon or Hygard polycarbonate sheet products when used according to the manufacturer’s recommendations:

- Top Job
- Joy®
- Palmolive Liquid®
- Windex® Ammonia free

For detailed cleaning instructions see link: http://www.sheets.covestro.com/Technologies/Americas/Product-Properties-Use-and-Care.aspx