FRAME INSTALLATION

Step 15: **Install Sill Flashing** (If required)

A. Center the sill flashing in the opening. If sill flashing is spliced, be sure the joint at the jamb is per approved shop drawings (jamb caulk joint minus $\frac{1}{8}$"). **If there is an entrance door in the opening, leave a gap in the sill flashing for the door frame to be installed and refer to Step 15, page 49 for sealing instructions.** Splice joint to be $\frac{3}{8}$" minimum.

B. At the highest point of the sill (smallest rough opening height), shim the sill flashing with a minimum $\frac{1}{4}$" shim space. Sill flashing must be installed level side to side and front to back.

C. Shim tight between the sill flashing end dam and building condition to ensure end dam is not dislodged during frame installation. Remove shim after frames are set in place.

D. Anchor sill flashing to building substrate per approved shop drawings. Cap seal anchors after installation. Where the sill flashing abuts a door jamb, the sill flashing anchor must be located within 6" of the door jamb.

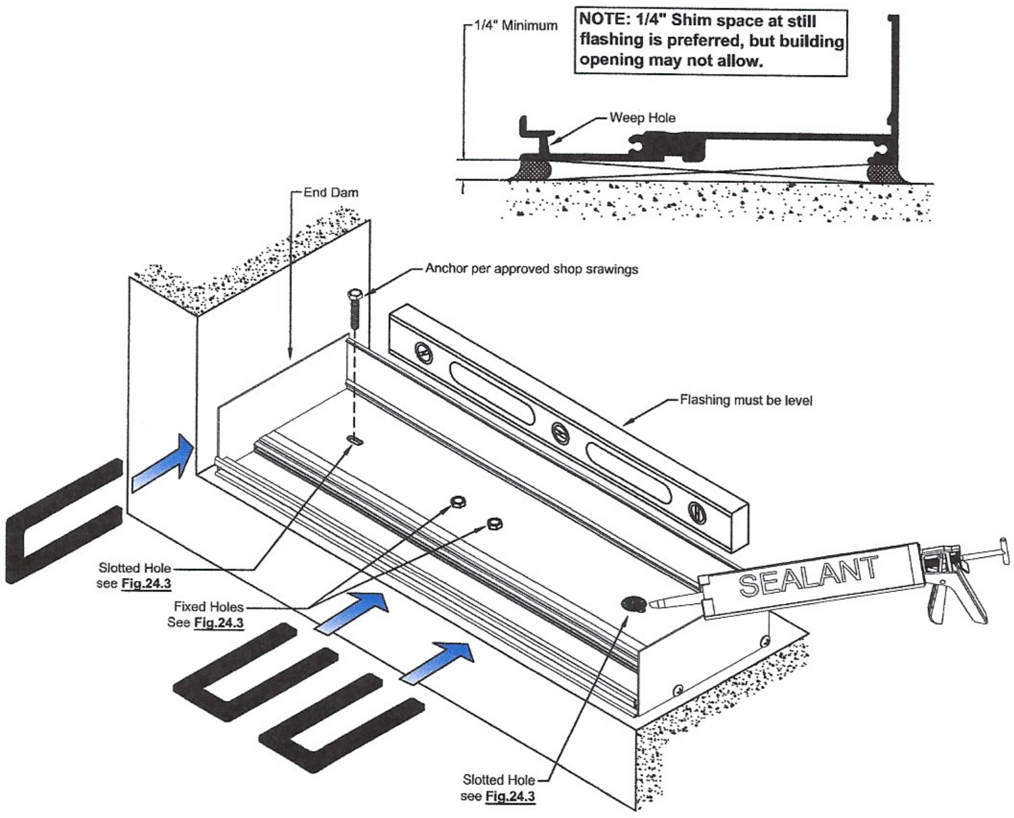
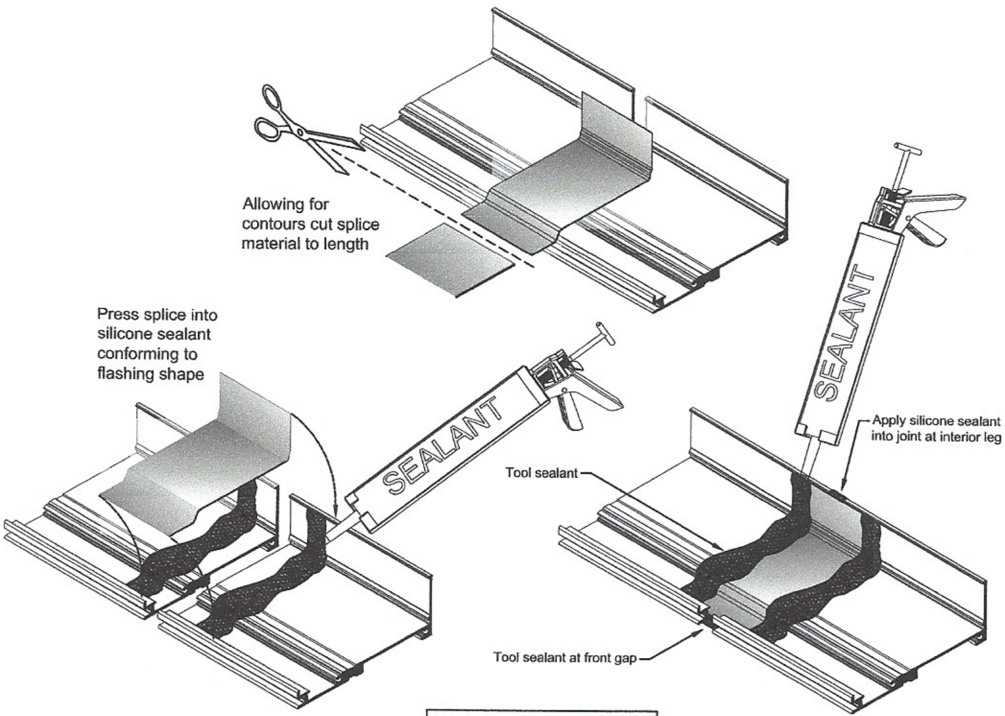


Fig.43.1

Step 16: Sill Flashing Splice

Continue installing sill flashing per Step 12 across the opening.

A. Lay P3444 silicone sheet into sill flashing at splice location (center of D.L.O.) and cut to length.
B. Install backer rod under the sill flashing at the splice joint.
C. Clean surfaces where splice will be applied. Apply sealant as shown in **Fig. 44.1**.
D. Set silicone splice sleeve in place and tool sealant. Seal front and back joints.
E. Do not locate a splice directly below a vertical mullion. Center line of D.L.O. is preferred.



NOTE:
Consult sealant manufacturer for comparability of sealant with silicone splice

Fig.44.1

FRAME INSTALLATION

Step 17: Install Frames

A. Starting on one side of the opening, apply a bead of silicone to the back leg of the sill flashing and the end dam prior to installing each frame. Apply a sealant bead on the back leg of the flashing only for the frame to be installed.
B. Lift the first frame onto the sill flashing, snug against the end dam.
C. Lift each frame onto the sill flashing and engage with the previous frame.
D. Check to ensure frame is plumb, level and jamb caulk joint is per approved shop drawings.
E. Shim head and jamb at anchor points and attach to the building structure. Size, quantity and location of anchors are per approved shop drawings. Remove shims between sill flashing end dams and secure before proceeding.
F. When the frame is anchored to the structure, apply the exterior perimeter seal at the head, sill and jambs. Interior perimeter seal must be applied to the head, sill and jambs.

NOTE: When using P4543A, make sure clearance holes are made in the snap-in filler to avoid the sill flashing anchors.

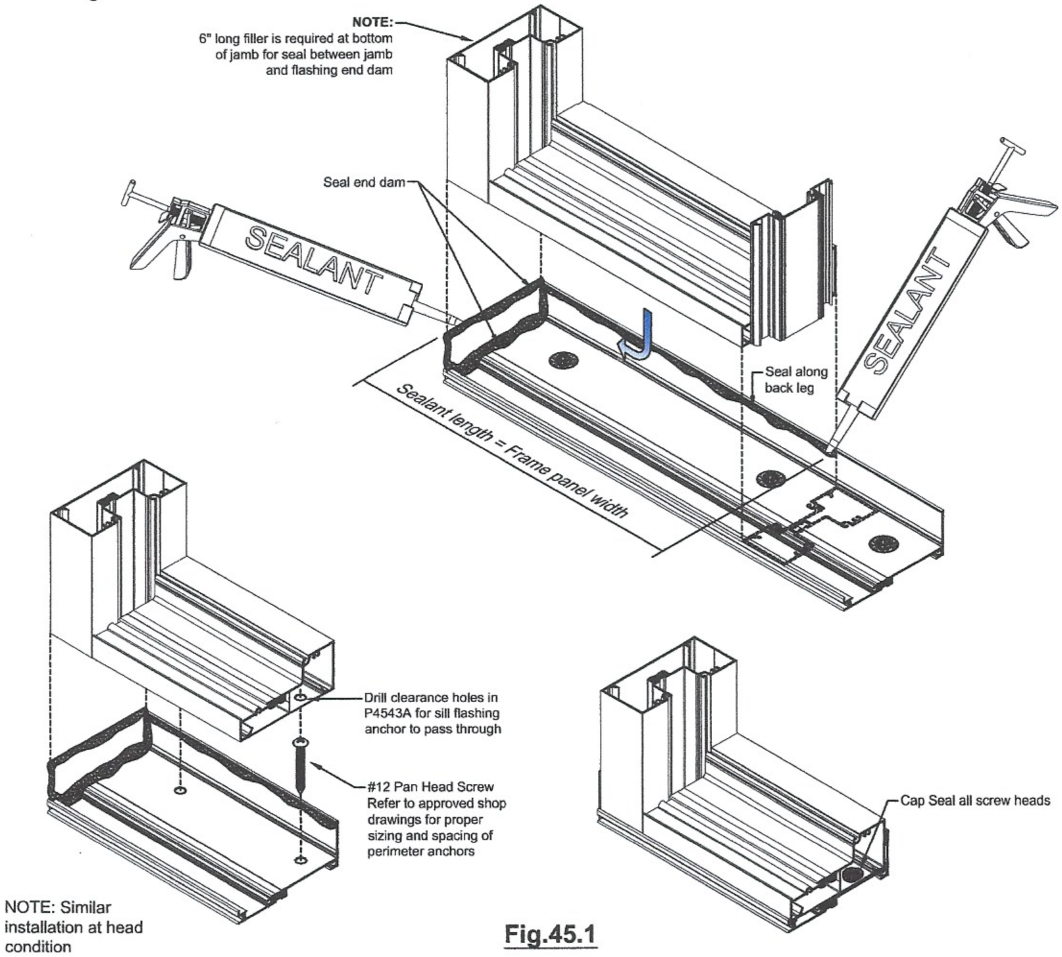
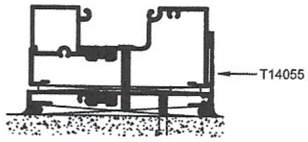


Fig.45.1

FRAME INSTALLATION

Step 17: Install Frames (Continued)

Frame installation when using the optional T14055 sill flashing.



G. Install frame units as directed in steps A and B on page 45.
H. Push frame tight to vertical fin of sill flashing and match drill through sill anchor holes into sill flashing. See **Fig. 46.1**. Sill anchor not by Tubelite and is to be sized according to project loading requirements.
I. Shim between sill and flashing centered on anchor. See **Fig. 46.2**.
J. Inject sealant into anchor hole to cover hole in flashing. See **Fig. 46.2**.
K. Apply sealant to threads of fastener and secure frame to sill flashing. See **Fig. 46.3**.
L. Cap seal all fastener heads. See **Fig. 46.4**.

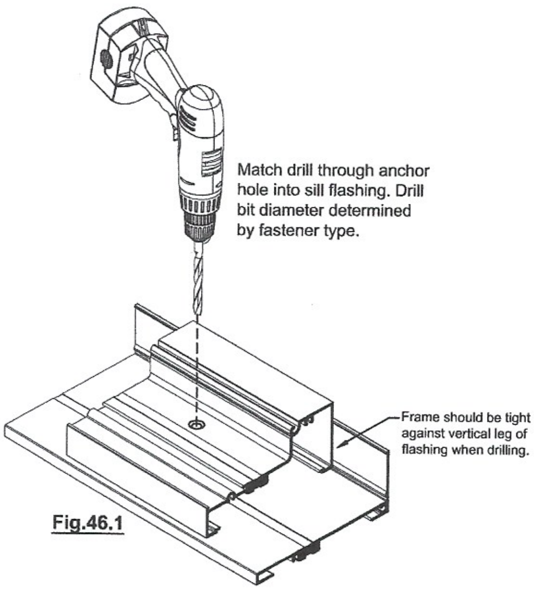


Fig.46.1

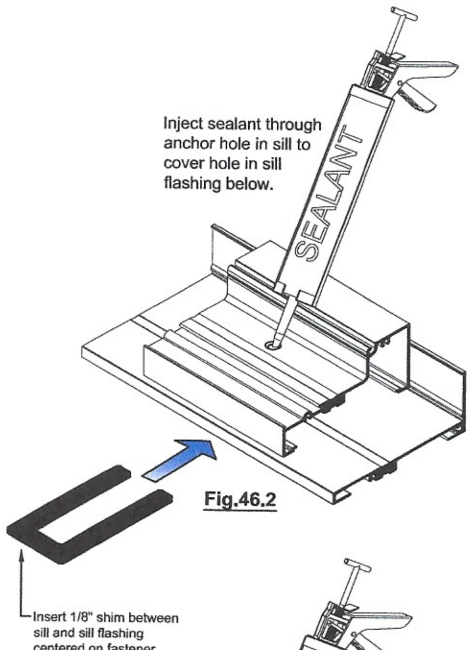


Fig.46.2

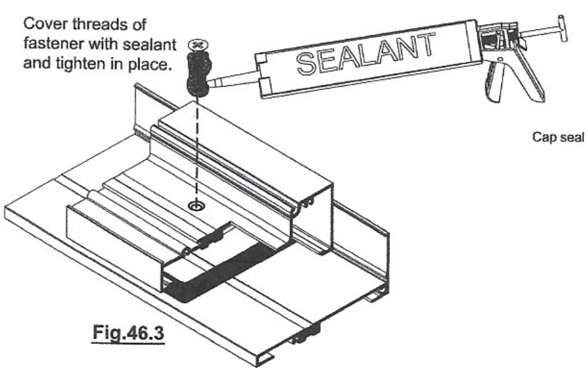


Fig.46.3

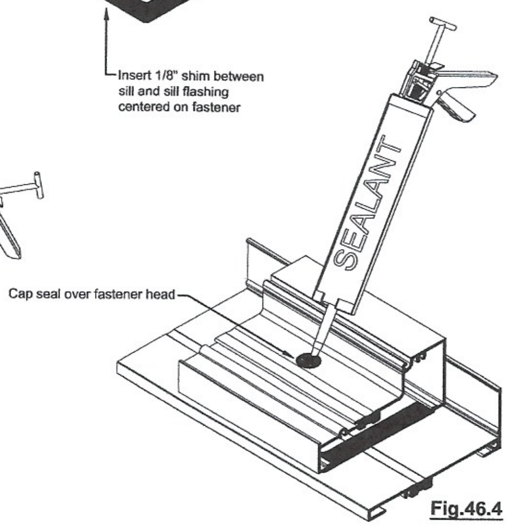


Fig.46.4

FRAME INSTALLATION

Step 18: Sealing Sill Flashing at Door Jamb

A. Install door frame into the opening where sill flashing is discontinued.
B. Seal the bottom of the door jamb mullion to the building substrate and to the sill flashing.
C. Fill the door jamb cavity completely and marry to the sill flashing.

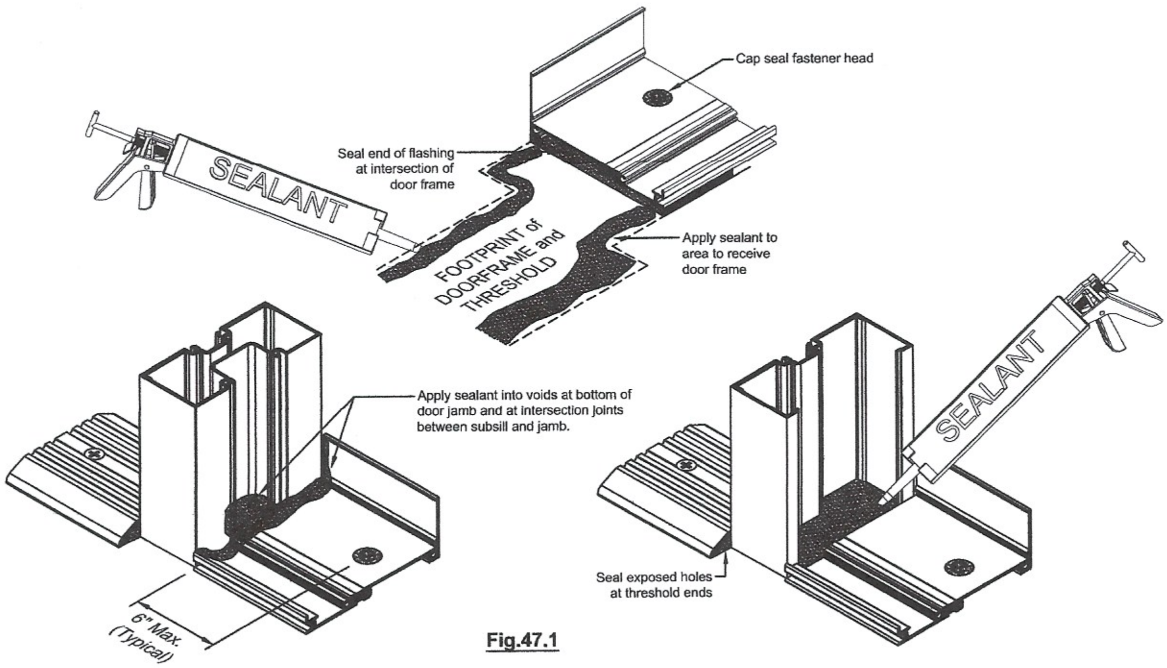


Fig.47.1

NOTE:
When a 'Knee Wall' occurs within an elevation, the sill flashing must be sealed to intersecting vertical members as shown in **Fig.47.2**

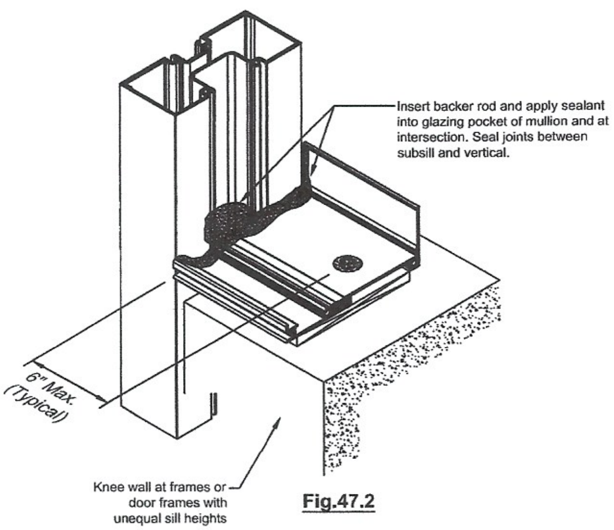


Fig.47.2