

Pre-Installation:

The mullion unit will come Pre-Assembled. The unit will have 4 Tapped holes; 2 at the top and 2 at the bottom of the mullion. In each hole there is a 1/4-20 x 1" Phillips Pan Head machine bolt (See FigureA). Covering the bolt is a protective tape, this is to be removed prior to installation. **Note the following instructions are for installation of a structural bracketing system. Follow these instructions and use proper window installation procedures.**



Material enclosed per mullion:
Installation Screw Packs (Fig A1)
2 Structural Brackets (Fig A2)
2 Bracket Covers (Fig A3)



fig A1

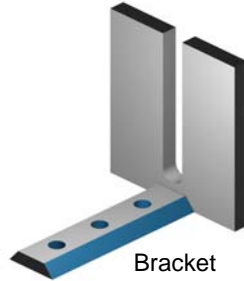
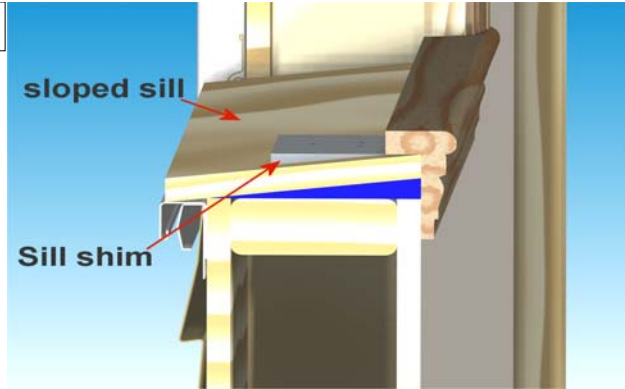


Fig A2



Fig A3

step 1



Shown is a cross sectional view of **sloped sill**. Mount shims (wood or plastic) that will match the slope of the sill. This will be used to mount and level the structural bracket and level the replacement windows along the sill.. Note side shims will also be needed at the corners of the frame for stability.

step 2

Sloped Sill interior frame against Stool board

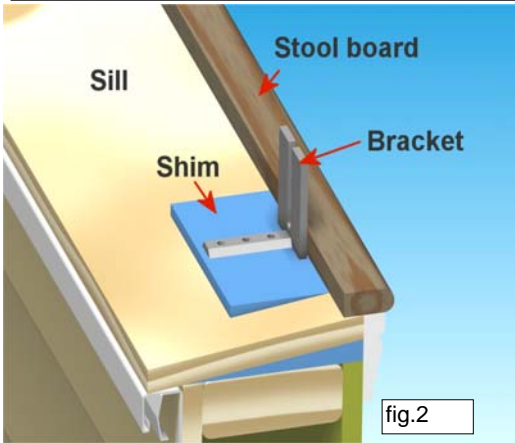


fig.2

Flat Sill interior frame on top of marble Sill

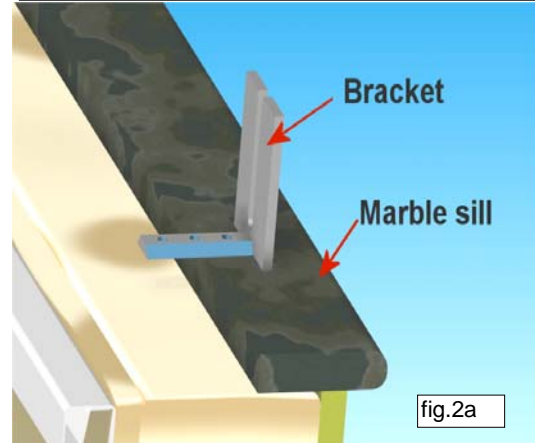


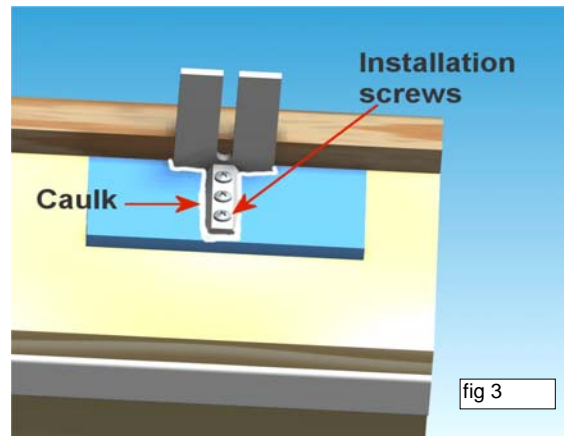
fig.2a

Place the bracket on the sill of the opening as shown for the particular replacement installation. See fig 2and fig 2a). Mark the bracket installation hole locations through the bracket. Shown below is a notched stool board for flush mount applications. see fig 2c (Bracket can be reversed to interior).



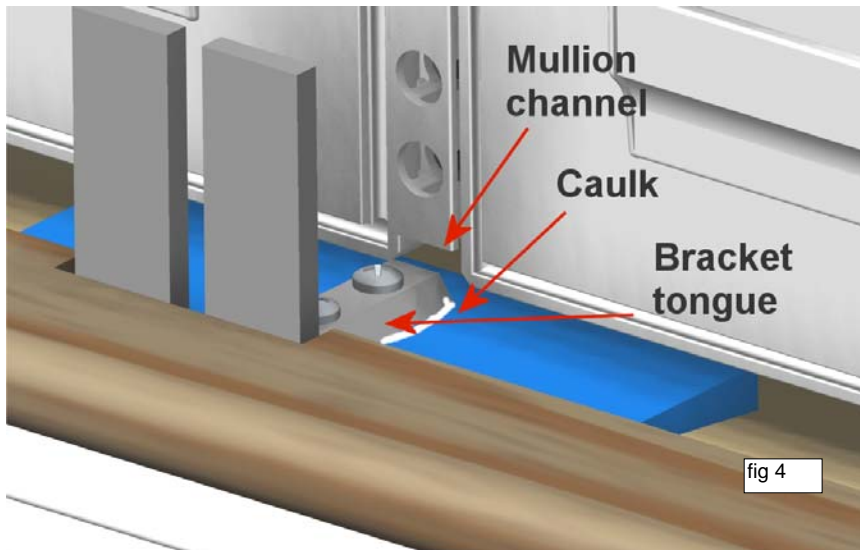
fig.2c

step 3



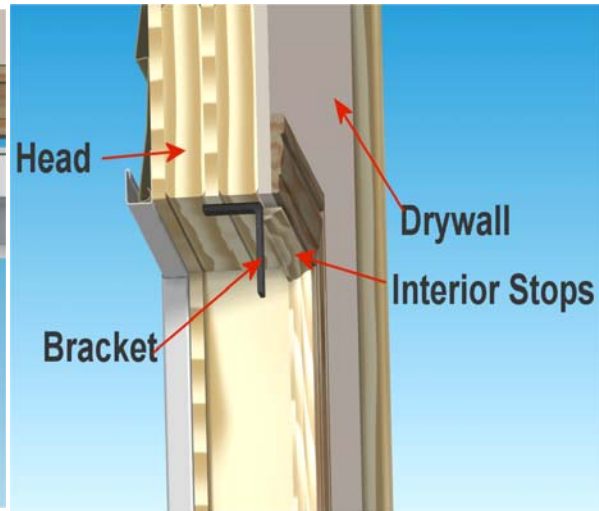
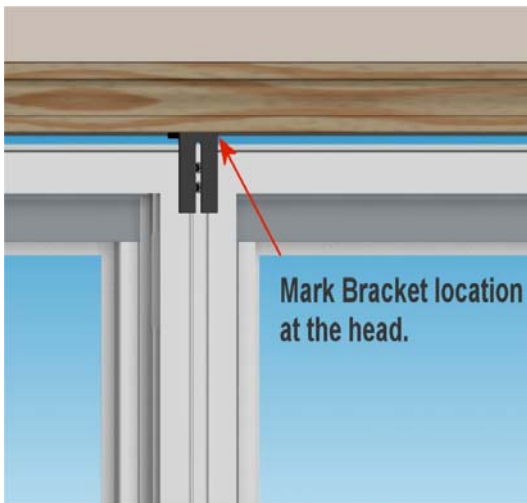
Bring the mullied window into opening and rest edge onto the sill, slightly to the outside of the shim, as shown. Place the bracket onto the sill shim (where location was established); using the installation screws provided screw through the bracket holes. (Use all 3 holes in bracket) **see fig 3**. Caulk around the edge of the bracket as shown, this will create a seal. (For a Marble sill a masonry drill may be needed. For Block or masonry openings, tapcon screws will be needed, **the bracket installation holes may need to be enlarged**. The screw penetration for masonry openings need to be a minimum of 1- 1/4".

step 4



Bring the base of the mullied window in towards the interior and slide window up and over the bracket tongue and into the mullion channel. **Fig 4**

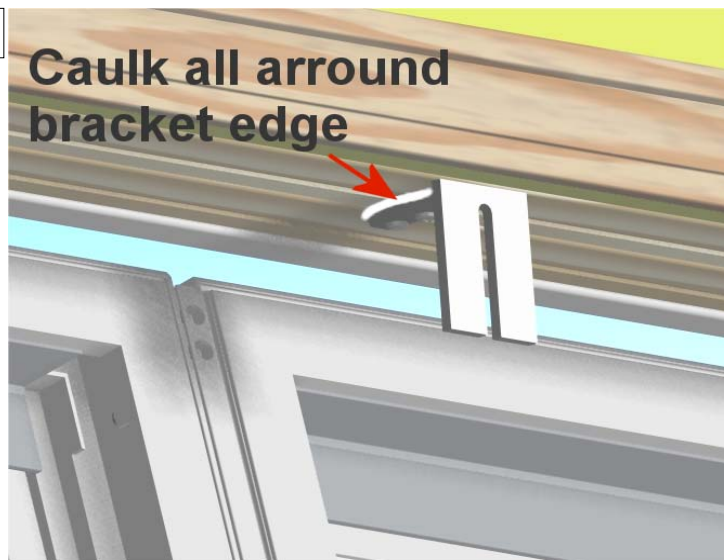
step 5



Tilt the head end of the window in so the window is plumb. Place the bracket on the head where it will be installed. Mark an edge and the back of the bracket for location.

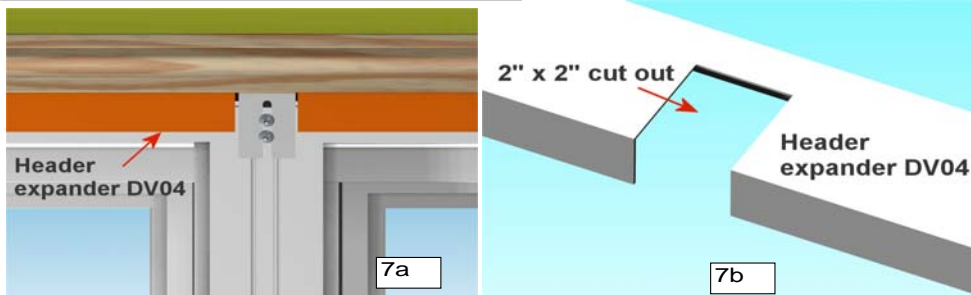
Cross sectional view of the head with bracket.

step 6



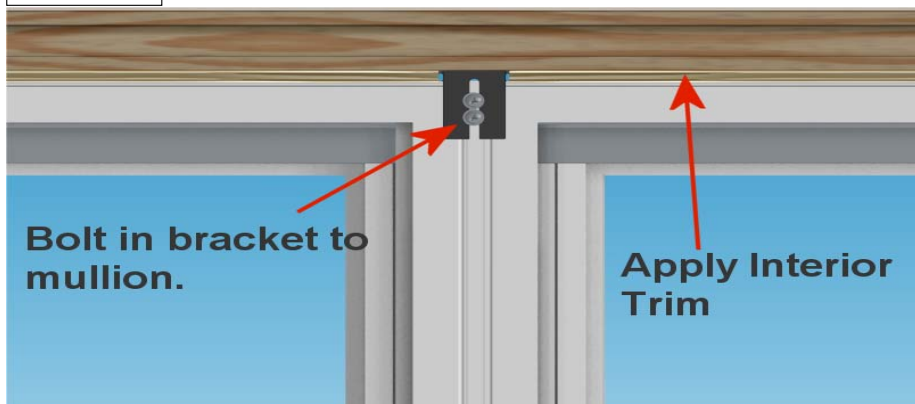
Tilt the window back out and with the location point that was made in the previous step, place the bracket at that point and install the bracket into the head of the opening utilizing all 3 installation screws. Finish by caulking the edge of the bracket. See step 7A for header expander installation if used.

step 7A Header Expander



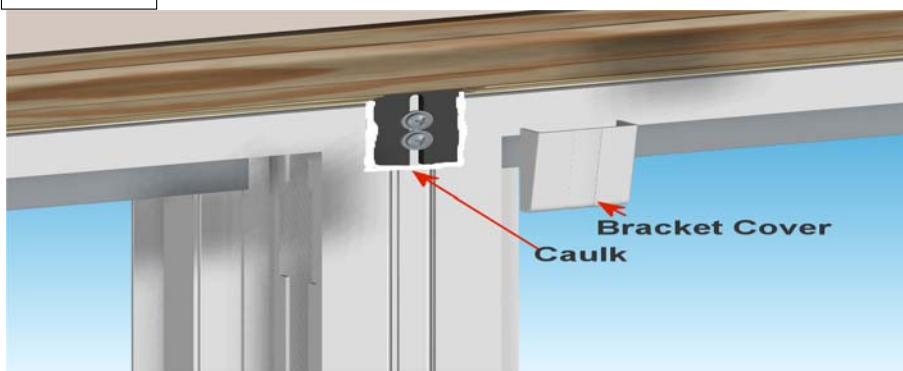
Shown above is a header expander in (orange). If the Header expander is used a 2"x2" cut out is needed to fit over structural bracket. See fig 7a and 7b. **This assembly will be done at step 6**

step 7



With brackets installed tilt the head back toward the bracket. Bolt in bracket to mullion at Head and sill. Apply interior trim around window. Trim will have to be cut at each edge of the bracket for proper fit.

step 8



Caulk around the edge of the exposed bracket. Finish the step by pressing the bracket cover over the bracket.

DP 50 Structural Mull
REPLACEMENT WINDOWS

