



## Window with Retro Brickmould (New construction)

Disclaimer: Improper installation and care may void warranty. These instructions are a basic/general recommendation for installation, but may not be utilized in every application method. The manufacturer assumes no responsibility for failure, performance or injury from improper installation methods, care and/or use. Please refer to your local building codes and regulations for more specific details needed in your window installation process.

### **Tools Required:**

- Carpenters level   - Tape Measure   - Phillips head drill/driver   - Utility knife
- Caulk gun   - Hammer
- For windows at higher elevations, make sure to use proper ladders, scaffolding and/or lifts.

### **Materials Required:**

- Exterior silicone   - Shims   - Building wrap tape   - Flashing tape
- 2 1/2" exterior screws

**Upon receiving your Minnkota Windows products, make sure to properly store them until time of installation. Keep all windows and doors in a cool area out of any direct sunlight. Be sure to keep them as vertical as possible to avoid any warping or distortion. Remove plastic shrink wrap from all windows and doors before storing. Do not store in direct sunlight. Inspect all windows and doors immediately for damage, i.e. cracks in the in the frame or brickmould, damaged screens etc. Damage from shipping/handling must be reported and photographed before the units are installed. If not, the Minnkota Windows warranty may not cover the replacement.**

Minnkota Windows recommends that you order your window frame size to be 1" smaller in width and 1" smaller in height than your rough opening. This will give a 1/2" space around the entire window which will allow for proper shimming and insulation between the window and rough opening. For doors, you should order the door 1" smaller in width and 1/2" smaller in height from your rough opening measurements.

**Step 1)**

- Double check the rough opening size (width and height) and the window size (width and height) to make sure the window will fit into the opening properly.
- Make sure the sill of the rough opening is level and the sides are plumb.

**Step 2)**

- Cut home wrap to prepare for flashing. (See Fig. 1)



**Fig.1**

**Step 3)**

- Set sill flashing. (See Fig. 2-5)



**Fig. 2**



**Fig. 3**



**Fig. 4**



**Fig. 5**

**Step 4)**

- Set jamb and header flashing. (See Fig. 6-7)



**Fig. 6**



**Fig. 7**

### **Step 5)**

- Set flat, 1/2" shims on sill. (Tapered shims may be used as long as they are used in unison and give you a flat surface. Make sure to place shims under each jamb and where the point of 2 units is mullled together. For wider picture units, shims should be no more than 2 ft. apart from each other. (See Fig.8-9)



**Fig. 8**



**Fig. 9**

### **Step 6)**

- Check to make sure shims are level

### **Step 7)**

- If needed, remove sash(es) from frame. Removing the extra weight from the sashes may make the installation process easier. (This is not a necessary procedure)

### **Step 8)**

- Use an exterior grade silicone sealant on the back side of the brickmould. Silicone should be no smaller than a 1/4" bead. Do not put silicone on bottom of brickmould, this should be left unsealed for water drainage. Place two beads of silicone on the header piece of the brickmould. This will help as a secondary seal to help from any moisture penetration. (See Fig. 10)



**Fig. 10**

**Step 9)**

- Lift window into opening and carefully set window onto shims. If needed, temporarily set a few screws into the brickmould to hold the frame while you proceed to the next step.  
(See Fig. 11)



**Fig. 11**

**Step 10)**

- Make sure window is level and centered in the opening

**Step 11)**

- Check window for squareness and bowing. Make sure the width at the center of the window is the same as the head and sill. Make sure the height at the center of the window is the same as each jamb.

**Step 12)**

- Use an exterior grade screw to secure the window. Make sure the screw securely fits into the framing of the wall. Do not over tighten screws, this may cause warping and deformation of the brickmould. Do not place a screw within 6" of each corner. Screws should be set no more than 12" apart. (See Fig. 12)



**Fig. 12**

**Step 13)**

- Re-check window for plumb, level, square and for width and height in the centers to make sure all widths and heights are equal. Check the head, sill and jambs for bowing.

**Step 14)**

- Apply a 1/4" bead of silicone on the top, back edge of the brickmould to create an extra seal to help prevent moisture from penetrating through the top of the window. (See Fig. 13-14) (A drip cap may also be installed at this time if desired)



**Fig. 13**



**Fig. 14**

**Step 15)**

- Apply house wrap tape on horizontal seam above window. (See Fig. 15)



Fig.15

**Step 16)**

- Apply house wrap tape on corner angle seams above window. (See Fig. 16)



Fig. 16

**Step 17)**

- Use either fiberglass insulation or minimal expanding window foam to seal the gap between the window frame and the rough opening on the interior of the window. (See Fig. 17)



Fig. 17

**Step 18)**

- Enjoy your new energy efficient Minnkota Window!