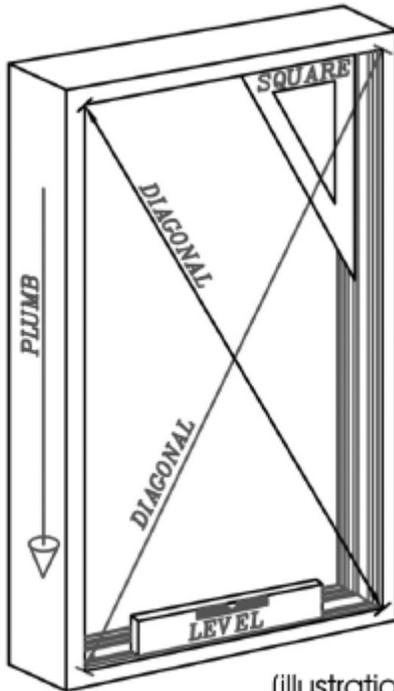


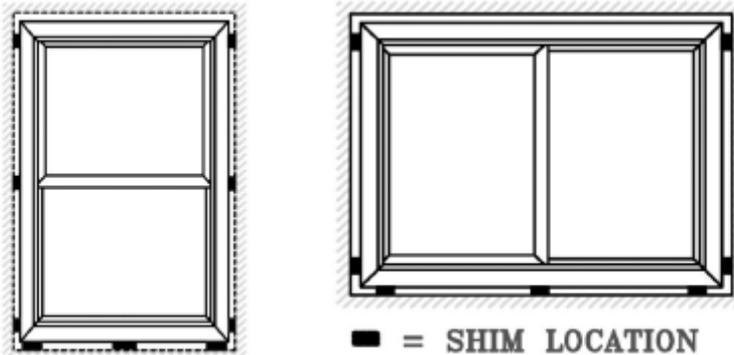
## Typical Window Installation Instructions

1. **MEASURE: Replacement:** Confirm that the rough opening is at least  $\frac{1}{4}$ " (W) x  $\frac{1}{2}$ " (H) larger than the overall exact size of the window. **New Construction:** Confirm that the rough opening is at least  $\frac{1}{2}$ " (H) x  $\frac{1}{2}$ " (W) larger than the overall exact size of the window.
2. **PREPARE THE OPENING: Replacement:** Clean the opening of any debris. Remove pulleys, jamb liners, weather-stripping, any old screen hook eyes, other protruding screws or fasteners. **New Construction:** Install 6" asphalted building paper around edge of window opening.
3. **INSTALLATION: Replacement:** From the inside of the building, place the new window into the caulked opening tightly against the stool and use shims to block the window into the opening. **New Construction:** From the outside of the building, place the new window into the opening tight against the nailing fin. If the window opening is not square, square the window in the opening.



(illustration of a proper opening)

4. SET THE SHIMS: Place shims under the sill at each corner, under each mullion, at the location of each installation screw on the bottom and the top of the side jamb. A minimum of 3 pieces of shim should be placed under each sill.



5. ADJUSTMENT: Adjust the shims and side jamb adjusters so the window is straight, level, plumb and square. The difference between the two diagonal lines should be less than ¼" or use sash(es) to visually check the square.
6. SECURING: **Replacement.** Use installation screws to securely fasten the window. Be sure all sashes can be operated smoothly during the securing process. Install interior stop and casing. Install coil trim as needed on exposed exterior wood. Apply caulking (approximately ¼" thickness) evenly to where window meets wall and blind stop. Seal all gaps both inside and outside with nominal 3/8" diameter sealant. **New Construction:** Use framing nails and nailing fin to securely fasten the window (for windows with a "J" channel use a pneumatic/electric nail gun to prevent damage). Be sure all sashes can be operated smoothly during the securing process. Install interior stop and casing. Install coil trim as needed on exposed exterior wood. Apply caulking (approximately ¼" thickness) evenly to where window meets the wall and blind stop. Seal all gaps both inside and outside with nominal 3/8" diameter sealant.

Crystal Window & Door Systems, Ltd., as the manufacturer, is not responsible for defects, air or water leakage attributable to improper installation. Painting a window will render any manufacturer warranty null and void. For warranty coverage, please see your local dealer or submit a request for a copy of the warranty prior to installation via [www.crystalwindows.com](http://www.crystalwindows.com). These instructions are general in nature and the manufacturer makes no representation that they will comply with local and/or state building codes. Please contact your local building code official for certified instructions.

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