

## MATERIALS AND TOOLS

### NEEDED MATERIALS

**Note!** JELD-WEN exterior window and door products should be installed in accordance with JELD-WEN's recommended installation and flashing directions, which are shipped with the products or can be found on our website: [www.jeld-wen.com](http://www.jeld-wen.com). Note that alternative installation methods and flashing systems may be utilized at the installer's or owner's discretion and, in such situations the installation should be done in accordance with the flashing manufacturer's instructions. Follow all material manufacturer's instructions for proper use and compatibility. When using flashing, spray adhesive/primer, sealant and foam products, we recommend using the same manufacturer and verifying compatibility. It is the End User's responsibility to determine if dissimilar materials are compatible to the substrates in the application.

- #8 x 3" deck/drywall screws.
- Non-compressible or non-water degradable shims.
- Backer rod 1/8" larger than the widest portion of the gap (used in conjunction with sealant bead).
- Sealant: We recommend OSI® QUAD® Max Sealant or equivalent. This can be used in any application and can be painted or ordered in a color matched product, if desired.
- Polyurethane low expansion Window and Door foam: We recommend OSI® QUAD® Foam or equivalent).
- Plastic drain screen with crisscross or woven pattern (sold in 6" widths to protect rain gutters) for step-down landings.

- 4", 6", or 9" (as required by local code and window configuration) wide self-adhered flashing: We recommend OSI® Butyl Flash Tape or equivalent.
- 3/8" staples for step-down landings.
- Sill pan: It is best practice to use a pre-formed, rigid, positively sloped, pvc pan that provides continuous support. We recommend using SureSill™ Sloped Sill Pan™, manufactured by SureSill™, Ltd. An alternative would be a non-sloped pre-formed sill pan or one that can be fabricated on site from metal or vinyl sheet material with the proper tools.

#### For installations into a Buck:

- Liquid applied flashing (Protecto Wrap LWM 200 or equivalent).

#### For installations into a stud-framed wall:

- 4", 6", or 9" (as required by local code and window configuration) wide self-adhered flashing: We recommend OSI® Butyl Flash Tape or equivalent.
- Spray adhesive/primer for self-adhered flashing. Such as Loctite® 300 or equivalent. Follow manufacturer's instructions for application methods.

**Note!** Follow all material manufacturer's instructions for proper use and compatibility.

### NEEDED TOOLS

- |                             |                                     |                        |
|-----------------------------|-------------------------------------|------------------------|
| • Cutting shears (sill pan) | • Level (4 ft. minimum recommended) | • Drill with bits      |
| • Tape measure              | • J-roller                          | • Construction stapler |
| • Utility knife             | • Caulking gun                      | • Screwdriver          |

## 1

### REMOVE PACKAGING AND INSPECT PATIO DOOR

#### REMOVE PACKAGING

Remove shipping materials such as corner covers, shipping blocks or pads.

**Note!** Be sure to remove the shipping clips from the door before beginning the installation.

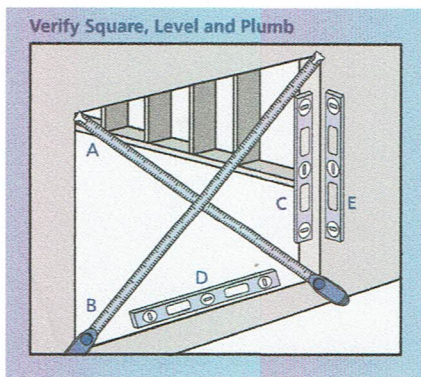
#### INSPECT PATIO DOOR

- Cosmetic damage.
- Product squareness (diagonal measurements must be within 1/4" difference).

## 2

### INSPECT ROUGH OPENING

- Verify the width and height of the door are each 1/2"-3/4" smaller than the rough opening width/height, respectively. Muller units should be 3/4" smaller.
- Verify the rough opening is square. The (A) and (B) measurements should be the same. Maximum allowable deviation from square is 1/4".
- Verify the rough opening is plumb (C, E and D). The maximum allowable deviation is 1/8".



- Correct product (size, color, grid pattern, handing, glazing, energy-efficiency requirements, etc.).
- Splits, cracks, holes, missing sections or other damage to the nailing fin longer than 6" and/or within 1/2" of door frame.
- A drip cap that extends 1/8" past the end of the frame is recommended for all products; required for side-by-side muller units.

If any of the above conditions represent a concern, or if you expect environmental conditions to exceed the patio door's performance rating, do not install the patio door. Contact your dealer or distributor for recommendations.

- The rough opening sill must not be crowned or sagged (D), but rather be level or sloped (positive slope) to the exterior.
- The exterior face of the rough opening must be in a single plane (E) with less than 1/8" twist from corner to corner.
- Minimum double studs should be used at all wood framed rough openings.
- The header must be supported by trimmer studs.

#### FOR RETROFIT INSTALLATIONS

After removing the old patio door, remove sufficient cladding (siding, stucco, etc.) to expose enough intact building wrap to properly seal the patio door to the opening. If damaged, apply new building wrap in shiplap manner. Verify the rough opening framing is structurally sound. Contact your local waste management entities for proper disposal or recycling of products being removed.