

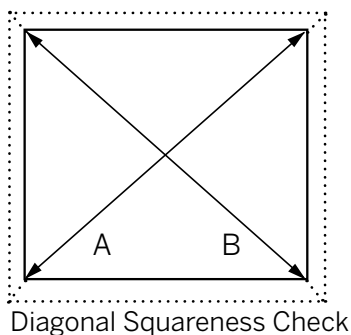
## Z-Frame, Trim Frame, Bullnose Frame, Decor Trim Frame, L-Frame, Mounting Strip or No Frame

### 1. CHOICE OF FRAME & LOUVER

- The appropriate frame will be affected by the mount type, depth clearance, existing trim, etc.
- Use sample panels, frames and colour samples from the sample bag.
- Make sure that the chosen frame and louver size will function properly once installed into the opening.
- Ensure the chosen application will overcome any possible obstructions such as latches, cranks or windows that open into the room.
- Number of frame sides is based on the configuration and type of shutter. Four sided frames are recommended for most standard shutters.
- Frame Extensions are not available for inside mount applications.

### 2. INSIDE MOUNT vs. OUTSIDE MOUNT

- Check for squareness by measuring the diagonal and/or use a sample panel and place at each corner.
- If the diagonal measurements are not identical, a framed application is recommended for inside mounts. An unframed application will result in uneven light gaps.
- If the diagonal measurements are out more than 3/8", then an outside mount is recommended.
- If the proper clearance is not available, an outside mount may be necessary for larger louvers and/or the Clear Tilt joiners.

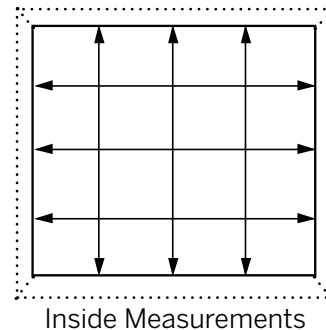


### 3. MEASURE INSIDE WIDTH

- Measure the width in three places (top, middle & bottom) and record the smallest measurement to 1/16".
- For windows with vertical mullions, match the panel widths to each section of the window with or without T Posts. (See Page E2 for measuring instructions)

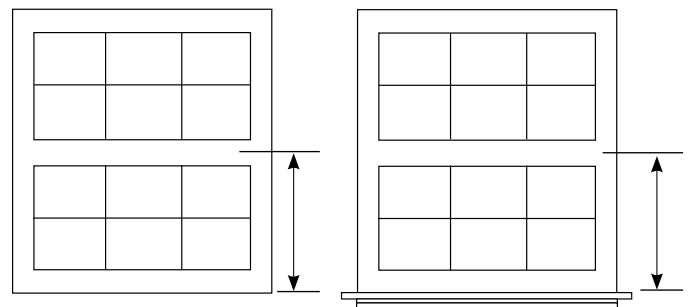
### 4. MEASURE INSIDE HEIGHT

- Measure the height in three places (left, middle & right) and record the smallest measurement to 1/16".



### 5. DIVIDER RAILS

- Measure from the top of the sill to the middle of the divider rail location.
- One divider rail is required for panels over 66" in height. Distance between rails must be less than 66".
- Two divider rails are required for panels over 90" in height. Distance between rails must be less than 66".
- Refer to Page D4 for additional divider rail measuring instructions.
- Due to excessive louver overlap that may occur, there should be no less than 18" between dividers or a divider rail and top/bottom rail.



## Casing Frame or L-Frame

### 1. CHOICE OF LOUVER & FRAME

- Use samples panels, frames and colour samples from the sample bag.
- Make sure that the chosen frame and louver size will function properly once installed into the opening.
- Ensure the chosen application will overcome any possible obstructions such as latches, cranks or windows that open into the room.
- The minimum width of trim required for Casing Frame is 2-5/8", L-Frame is 1-3/8".  
If the trim width is less than the frame width, then the frame should extend outside of the trim, not inside the opening.
- Number of frame sides is based on the configuration and type of shutter. Four sided frames are recommended for most standard shutters.
- Depth clearance and obstructions can prevent louvers from operating properly. In order to overcome these obstacles, add the necessary frame extensions to the appropriate frame.
- Frame Extensions are available for outside mount applications. Up to (3) 1/2" extensions can be added to either frame for greater protection.

### 2. INSIDE MOUNT vs. OUTSIDE MOUNT

- Outside mount shutters may be necessary for larger louvers and/or the Clear Tilt system
- If windows include trim, outside mount shutters may be installed on top of, or next to the trim.
- If windows do not include trim, then the shutters are mounted where the trim would be.

### 3. MEASURE OUTSIDE WIDTH

If on top of trim

- Measure from outside of trim to outside of trim in three places (top, middle & bottom). Ensure the frame does not extend into the opening. Record the largest measurement to 1/16".
- If the chosen frame extends past the edge of the trim, then measure the width from outside of trim to outside of trim in three places (top, middle & bottom). Add it to the measurement that the frame extends past the trim on each side.

If no trim

- Measure the inside width in three places (top, middle & bottom). Take the largest measurement to 1/16" and add 2-5/8" per frame side for Casing Frame.

If installing around trim

- Measure from outside of trim to outside of trim in three places (top, middle & bottom). Add 1-3/8" per frame side for L-Frame only. Record the largest measurement to 1/16".

### 4. MEASURE OUTSIDE HEIGHT

If on top of trim

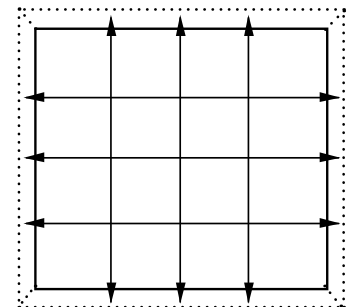
- Measure from outside of trim to outside of trim in three places (left, middle & right). Ensure the frame does not extend into the opening. Record the largest measurement to 1/16".
- If the chosen frame extends past the edge of the trim, then measure the height from outside of trim to outside of trim in three places (top, middle & bottom). Add it to the measurement that the frame extends past the trim on each side.

If no trim

- Measure the inside height in three places (left, middle & right). Take the largest measurement to 1/16" and add 2-5/8" per frame side for Casing Frame, 1-3/8" per side for L-Frame.

If installing around trim

- Measure from outside of trim to outside of trim in three places (left, middle & right). Add 1-3/8" per frame side for L-Frame only. Record the largest measurement to 1/16".



Outside Measurements

### 5. DIVIDER RAILS

- Measure from the bottom of the bottom frame to the middle of the divider rail location.
- One divider rail is required for panels over 66" in height. Distance between rails must be less than 66".
- Two divider rails are required for panels over 90" in height. Distance between rails must be less than 66".
- Refer to Page D4 for additional divider rail measuring instructions.
- Due to excessive louver overlap that may occur, there should be no less than 18" between dividers or a divider rail and top/bottom rail.

