We Sell ENERGY STAR

Texas Dept. of Insurance Approved

WARM EDGE TECHNOLOGY

Krestmark

Windows must be square and sash must be locked during install to ensure smooth operation of windows

Dallas, Texas • 214-237-5055 or 1-800-853-3593

TDI	FL#	
WIN-392	12396.1	100 ALUMINUM SINGLE HUNG 48" x 72" H-R40
WIN-392	12398.1	100 ALUMINUM SINGLE HUNG 44" x 72" HS-R50
WIN-827	12398.2	100 ALUMINUM SINGLE HUNG TWIN WITH 101 FIXED STACKED 88" x 108" H-R50
WIN-391	12392.1	101 ALUMINUM FIXED WINDOW 72" x 72" FW-R65
WIN-393	9253.2	150 ALUMINUM HORIZONTAL SLIDER 72" x 44" HS-R50
WIN-390	12398.6	175 ALUMINUM SINGLE HUNG TILT SASH 48" x 72" H-R40
WIN-390	12397.1	175 ALUMINUM SINGLE HUNG TILT SASH 40" x 72" H-R50
WIN-390	12398.5	175 ALUMINUM SINGLE HUNG TILT SASH 44" x 72" H-R50
WIN-390	10161.1	175 ALUMINUM SINGLE HUNG TILT SASH TWIN 72" x 72" H-R40
WIN-390	10161.2	175 ALUMINUM SINGLE HUNG TILT SASH TRIPLE 108" x 72" H-R50
WIN-880	12398.7	175 ALUMINUM SINGLE HUNG TILT SASH TWIN WITH 101 FIXED STACKED 80" x 108" H-R50

IMPACT WINDOWS

TDI	FL#	
WIN-878	12398.3	1100 ALUMINUM SINGLE HUNG IMPACT 44" x 72" H-R50
WIN-879	12398.4	1100 ALUMINUM SINGLE TWIN IMPACT WITH 1101 FIXED STACKED 88" x 108" H-R50
WIN-876	12394.1	1101 ALUMINUM FIXED WINDOW IMPACT TYPE D LARGE MISSILE 48" x 72" FW-R50
WIN-1007	9253.1	1150 ALUMINUM HORIZONTAL SLIDER IMPACT 72" x 44" HS-R50

TDI	FL#	
WIN-494	13191.1	200/275 SERIES VINYL TILT SINGLE HUNG 48" x 72" H-R45
WIN-494	13191.2	200/275 SERIES VINYL TILT SINGLE HUNG 44" x 72" H-R50
WIN-495	13195.1	200/275 SERIES VINYL FIXED WINDOW 48" x 72" FW-R70
WIN-495	13195.2	200/275 SERIES VINYL FIXED WINDOW 72" x 72" FW-R60
	13417.1	200/275 SERIES VINYL CONTINUOUS HEAD AND SILL TWIN TILT SINGLE HUNG 87" x 72" H-R40
	13417.2	200/275 SERIES VINYL CONTINUOUS HEAD AND SILL TWIN TILT SINGLE HUNG 71" x 72" H-R50
WIN-1161	13191.3	400/475 SERIES VINYL TILT SINGLE HUNG 48" x 72" H-R50
WIN-1160	13195.3	400/475 SERIES VINYL FIXED WINDOW 72" x 72" FW-C60
	13417.3	400/475 SERIES VINYL TWIN TILT SINGLE HUNG 80" x 72" H-R50
	13418.1	400/475 SERIES VINYL HORIZONTAL SLIDER 72" x 44" HS-R50
	13418.2	400/475 SERIES VINYL HORIZONTAL SLIDER 72" x 48" HS-R45

WIN-1242	13194.4	4000 VINYL SINGLE HUNG IMPACT 44" x 72" H-R55
WIN-1242	13191.5	4000 VINYL SINGLE HUNG IMPACT 36" x 72" H-R60
	13417.4	4000/4750 VINYL TWIN TILT SINGLE HUNG 80" x 72" H-R50
	13421.1	4000 SERIES VINYL PICTURE WINDOW 48" x 72" FW-C60
	13417.5	4000/4750 VINYL TWIN TILT SINGLE HUNG w/ 4000/4750 TRANSOM 72" x 108" H-R50

Installation Instructions For New Construction: Single Hung And Picture Windows

Inspect all windows carefully and DO NOT INSTALL if damaged or defective.

FIGURE 1

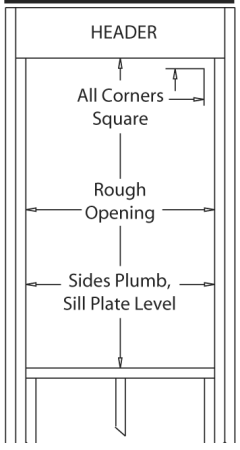
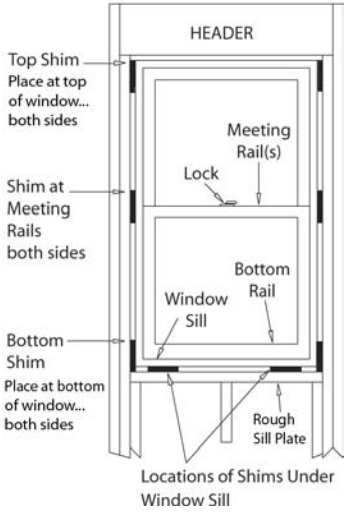


FIG. 2, INTERIOR VIEW



Locations of Shims Under Window Sill

Window Opening

The rough opening must be plumb, level and square and 1/2-inch larger than window size in width and height, not including the nailing fins (see fig. 1). Close and lock the sash to aid in keeping the window square during installation.

Apply a 3/8-inch continuous bead of silicone caulking to the interior surface of the nailing fin covering the holes in the fin, to seal the window's fin to the sheathing or house wrap. If the rough opening is larger than the window unit by more than 1/2-inch, also apply the caulk to the sheathing or house wrap, making sure the bead is no more than 1/4-inch from the edge of the rough opening, so that it is covered by the nailing fin when the window is installed.

Setting Shims

The sill of the window must be supported in a straight and level position at a minimum of three points, at either end and in the middle. Windows wider than 30 inches should be supported at a maximum of every 12 inches (see fig. 2).

Placing Shims

Place 1/4-inch shims on the sill plate of the window opening spaced as described above. Multiple twin or triple windows should have a shim under each mullion (see fig. 2).

Setting Window

Set window on the shims and adjust side clearance to be equal on both sides. Tack one upper corner of the fin to keep window in place. Check sill with a level and adjust thickness of shims as required to level sill. Readjust side clearance if necessary. Shims must be cut to exact thickness to fit snug and not fall out but do not force shims into place, pushing the sill upward out of level. Shim both sides of window
(see fig. 2) and adjust thickness of shims to make diagonal measurements equal with the window plumb and square.

If the above has been done correctly the width across the top, middle and bottom will measure the same. The wool pile clearance between the sash stile and jamb mainframe will be equal. The meeting rail and lock rail will align evenly at the top and clearance between the sash stile and jamb mainframe will be bottom sash with parallel sight lines. The sweep latches should lock smoothly.

Fastening Windows with Nail Fins

The wood wall framing members shall be minimum Spruce-Pine-Fir dimension lumber. The windows shall be secured to the framing through the nail fin with minimum #8 screws, corrosion resistant as specified in the International Building Code (IBC), International Residential Code (IRC) and the Texas Revisions.

Fasteners shall be spaced approximately 2" from each corner and approximately 12" on center around the perimeter of the window. The fasteners shall be long enough to penetrate a minimum of 1½" into the wall framing. Mulled or multiple window units must be fastened directly at the mull and approximately 6" on either side of the mullion. Fasteners should be centered in the slots, snug but do not draw all the way in, similar to installing vinyl siding. This allows for normal expansion and contraction. **Make sure head and sill are not bowed up or down. Check side jambs are not bowed in or out.**

Flashing

Use self adhesive flexible flashing a minimum of 4" wide, which has a self-adhering surface on one side, approved for use on vinyl, aluminum, and other substances such as house wrap. This flashing material must meet a minimum water resistance of 24 hours in accordance with ASTM-D779 and AAMA Certified Installation Guidelines.

(See fig. 3) Sill flashing is applied first up against the bottom of the window sill extending beyond the sides of the window jamb fin and side flashing at least 2 inches. Apply jamb flashing next over the jamb-nailing fin, continuing over and beyond the sill flashing, 2 inches below. Apply head flashing similarly, extending 2" past either side of the jamb flashing, to complete the window flashing detail.

(See fig. 2) Install batt insulation between the window and rough opening. It is very important that these openings are not overstuffed and bow the frame. Do NOT use expanding foam. Doing so will void warranties.

FIG.3, EXTERIOR VIEW

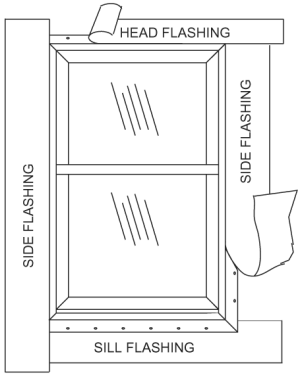
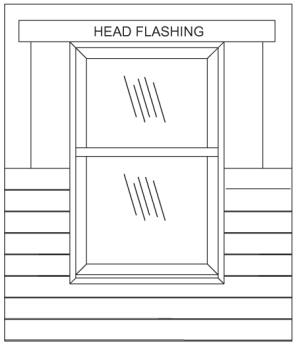


FIG.4, EXTERIOR VIEW



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We Sell ENERGY STAR

Energy Star compliant
with Low E only

CAUTIONS

Do not remove shipping clips from lock rail until window is installed.
Do not lay windows flat or store in the sun. The heat will shrink the plastic wrapping and warp the frame.
Do not caulk or plug weep holes
Do not drill into or through the sill of the window.
Protect the window during construction and plastering
Do not lift window by top of frame, only by jambs.
Protect vinyl sill from traffic and damage.

For updated information on approvals and/or installation guidelines, go to
www.krestmark.com