BAY/BOW WINDOW INSTALLATION INSTRUCTIONS

Recommended materials:
- Flexible flashing tape (width determined by application and wall thickness)
- Caulking
- Fasteners
  - Use #8, 1-1/2" long corrosion resistant pan head wood screws in every other hole and at ends of all mullions. Fastener must penetrate framing material by a minimum of 1".
- Fiberglass or non-expanding foam insulation
- Shims

Materials included:
- Cable support

Recommended tools:
- Tape measure
- Level
- Square
- Hammer
- Drill/screw gun
- Drill bits (1/8" and 3/8")
- Caulking gun
- Utility knife

The perimeter joint between window exterior and the exterior building material must conform to siding manufacturer's recommendations. All masonry, stucco, or synthetic stucco systems require an expansion joint around the window perimeter that must be filled with sealant compatible with the building material and window components.

For siding details on windows see the siding manufacturer's recommendations.

Due to variables in local building codes, jurisdictions and the variety of building details these are recommended instructions only.

Penetrations and openings in exterior walls shall be flashed or sealed in such a manner that it will inhibit entry of water into the wall cavity or penetration of water to the building structural framing components.

Self-adhered membranes used as flashing shall comply with AAMA 711.

Refer to AAMA or ASTM for more additional installation guidelines.

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Thermo-Tech Windows recommends the installer use proven flashing and installation methods for new construction and replacement of bay and bow windows. The following provides a guideline for installation to meet minimum structural requirements, and for initial application of sealant only.

1 Step 1. Rough opening size

a. The rough opening must provide for shim space on top and bottom that does not exceed 3/8". Shim pocket on sides may vary by style. Fill and shim as necessary to ensure proper operation.

b. Check the rough opening dimensions against the units actual frame width and height (for replacement applications perform this step prior to old unit removal). ***(fig. 1)***

c. Make sure the walls are plumb and not twisted. Check the rough opening for square by measuring diagonally from corner to corner in both directions. Measurements cannot differ from each other by more than 1/4". ***(fig. 2)***

d. Check the sill for level and make sure jambs are plumb. ***(fig. 2)***

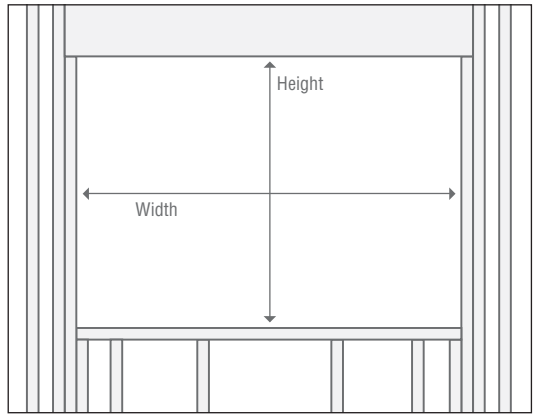


fig. 1

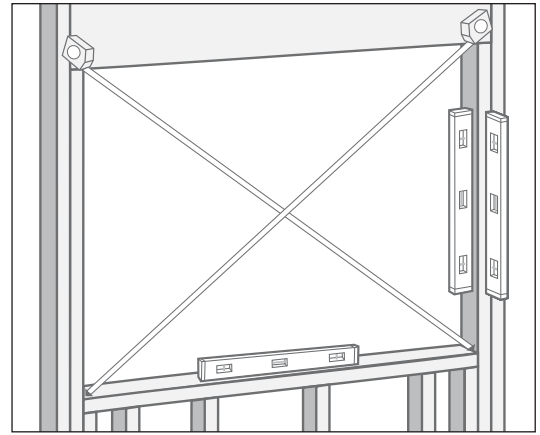


fig. 2

2 Step 2. Prepare window opening

a. Due to the variables in custom installations, it is the job of the installer to determine how the window is going to be flashed and sealed to the exterior plane of the building. This includes ensuring framing material is built so that the top of the bay/bow can be properly secured through nail fin with specified fastners.

3 Step 3. Applying initial sealant

a. Apply a continuous 3/8" nominal bead of caulk to the back side of the window mounting flange. DO NOT APPLY CAULK ACROSS BOTTOM SILL FLANGE OR WALL. ***(fig. 3)***

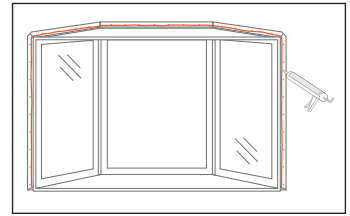


fig. 3

NOTE: When removal of existing windows/doors is necessary, proper precautions and procedures for lead paint management may be required.
Visit **www.epa.gov/lead** for more information. Consult **www.energystar.gov/products/recycle/where_do_old_windows_doors_go** for recycling/reuse of old building components.

4 Step 4. Installing the window *(fig. 4)*

a. Immediately set the window into the opening so caulk does not skin over.

b. Using a carpenter's level placed perpendicular to front of window as shown in diagram, install the unit using a jack and temporary support braces. Unit should be slightly raised above level position. ***(fig. 4-b)***

c. Mount Grip-Tite™ cleats in appropiate position as shown. ***(fig. 4-c)***

1. Mount with outside fingers pointing upwards. ***(fig. 4-c1)***

2. Wrap cable through first end of Grip-Tite cleat pulling cable tight; then weave cable through remaining fingers of cleat and thread excess cable through holes on top of Grip-Tite cleat and secure any excess cable over 12 inches with fence staple at any convenient location. ***(fig. 4-c2)***

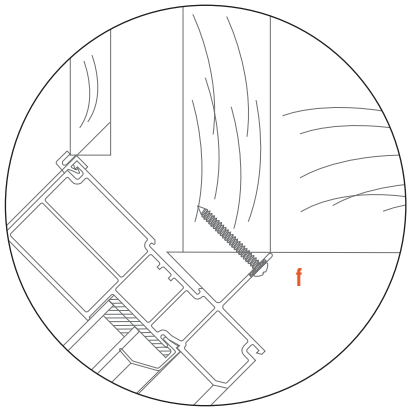
d. Check/adjust for level. Cable adjustment nut is located on underside of seatboard ***(fig. 4-c)***
WARNING! - For upward adjustment never lift unit by tightening cable hex nut - always use jack and temporary braces to lift unit before adjusting hex nut.

e. Install specified fastners in every hole. ***(fig. f)***

f. Carefully place load on cable system to seat cables.

g. Install a minimum of 2 structural corbels for support. ***(fig. 4-g)***

NOTE: Hole plugs are provided for special mounting situatons where recessed holes or rigid installation is used.



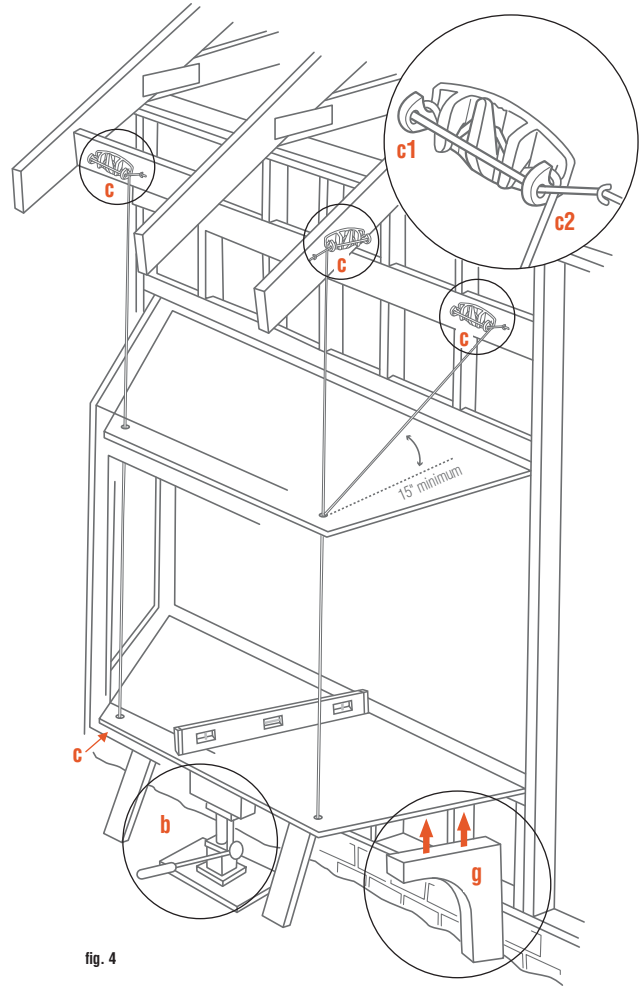


fig. 4

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