Subframe System
Installation Procedure

Initially all windows and installation components should be checked for shipping damage. The perimeter of the window should also be inspected that factory applied caulking remained in place during shipment. Any voids on any of the window sides need to be caulked to avoid water penetrating into the wall cavity.

All local codes must be followed and supersede any of the following instructions. All finished surfaces of the window must be protected from damage to frame, paint, and glazing surfaces throughout the complete installation and wall finalization. This is to include stucco, drywall, brickwash or any other cleaning technique other than that recommended by Fyre-Tec. Failure to protect the window will VOID any applicable warranties. Protective coverings are recommended.

Opening Requirements

The opening should be built square and plumb and large enough to accept the window(s) provided. Windows are provided ¾" less in both width and height from the rough or nominal opening size. This allows for a 3/8" gap around the entire perimeter of the window to be properly squared and shimmed in the opening. It is recommended that the sill of the window be shimmed no less than ¼" above the construction sill to accommodate the weep feature of the window.

Opening Preparation

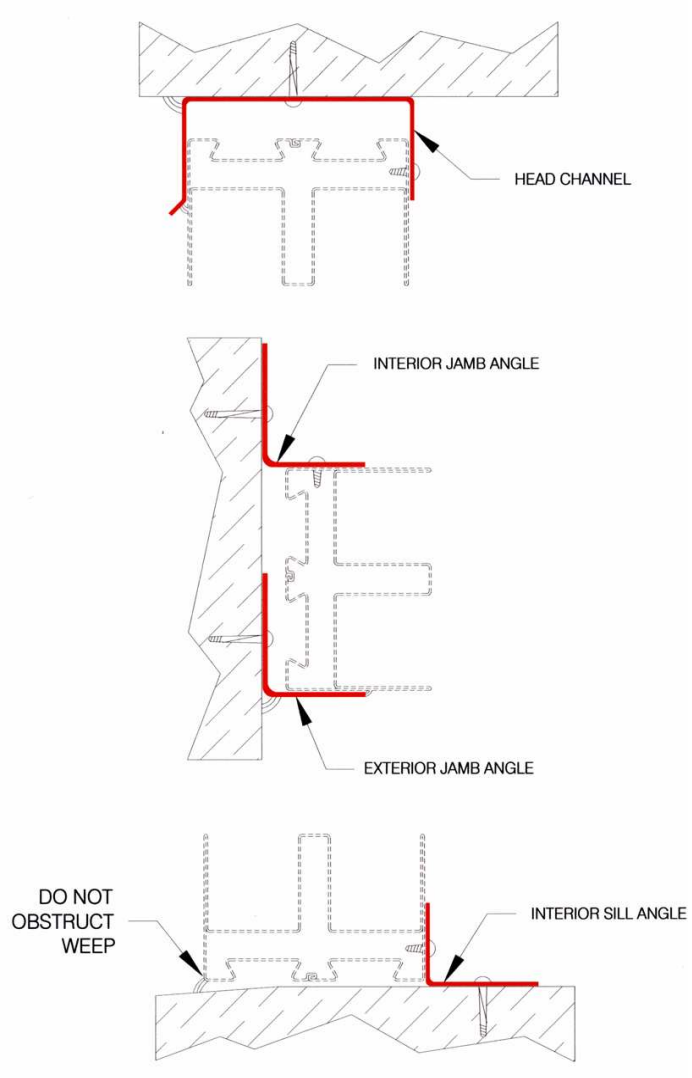
The window opening is to be prepared in conformance with local code and approved construction drawings. On openings other than masonry it is recommended that the perimeter be prepped with an air-barrier type window wrap and flashing system. Sill panning is recommended for optimal protection against water penetration. Panning and air barriers are not provided by Fyre-Tec.

Installation of Window in Opening

All trim parts are cut to rough or nominal opening sizes and may need to be trimmed down to achieve proper fit. All components are to be fastened 3" from each end and no more than 16" on center thereafter. All trim is to be back-bedded with an approved caulking where in contact with the surrounding construction and must be affixed with an approved fastener. Refer to local codes.

Determine the depth that the window will be placed in the opening. The first step is to install the headcap into the head of the opening. The ¼" lip on the headcap is a drip edge and should be placed to the exterior of the opening. Screw the headcap into place plumb and true to the opening.

Next two exterior jamb angles will be placed so that the leg being attached to the wall, point to the interior of the opening. Generally the longer leg is attached to the wall. The jamb angle will need to be trimmed so that the top of the angle abuts under the drip edge of the head cap. Measuring from the sill of the opening to just under the start of the drip edge, cut the angle to this length and attach as shown in the photo below



Drawing is intended for reference only and is not to scale. Actual wall construction must comply with relevant local codes for the wall rating requirements.

Run a small bead of caulking along the interior side of the exterior jamb angles. Then lift the window into the prepared opening. Tip the top of the window into the headcap. Then lift and slide the bottom of the window toward the jamb angles.

Center the window in the opening using a flat pry-bar. All sides on the interior should have approximately 3/8" gap from wall opening to window edge. Shim using an approved material. Check window for level in the opening and complete shim application.

Special attention should be made with the weep feature of the window in the exterior sill. A minimum 1/4" gap should be maintained between the sill of the window and the construction sill of the wall to allow for proper weeping and drainage from the window when shimming.

Once the window is centered and properly shimmed the interior sill angle can be installed. The long leg of the angle generally attaches to the wall. After the sill is screwed down the two remaining jamb angles can be trimmed to the dimension measured between the top of the sill angle and the bottom of the interior leg of the headcap. The longer leg of the interior jamb angles generally goes to the wall and can now be affixed into place.

The interior trim should be screwed to the window at intervals of no less than 2" from each component end and 24" on center thereafter.

Finalizing the Installation & Weep Feature

If stucco is the desired finished wall exterior a J-channel trim must be used to keep the stucco from contacting the perimeter of the window frame. Protection against stucco from getting on the window and glazing surfaces is important.

Once the wall construction is complete caulk the total exterior perimeter of the subframe installation where it contacts the window and the construction surfaces of the opening using an approved sealant is needed. Use caution when sealing around the weep feature.

The weep feature is a very important part in the longevity of the window's life span. On exterior applications special attention should be made to the exterior sill and the windows weep feature. The weep located 2" in from both corners of the sill and should be inspected or verified that the weep is open to a gap of 1/8" by approximately 7/8" long. Verification ensures that the weep has not been pinched down or crimped shut during shipping, handling, and installation. Failure to inspect the weep feature prior to finalizing the project can lead to water leakage as well as premature rusting with the window. If the slot needs additional adjustment carefully use a flat screwdriver or small pry-bar to make the gap more. Do not use excessive force, which can cause the frame to tear or crack the protective paint.

What is Supplied – What is Needed…

Tools Recommended:

-Safety glasses -Pencil -Power tool with drilling and screwing capabilities
-Measuring tape -Hammer -Saw or power saw with metal cutting capabilities
-Caulking Gun -Level -Pry-bar for shimming and squaring

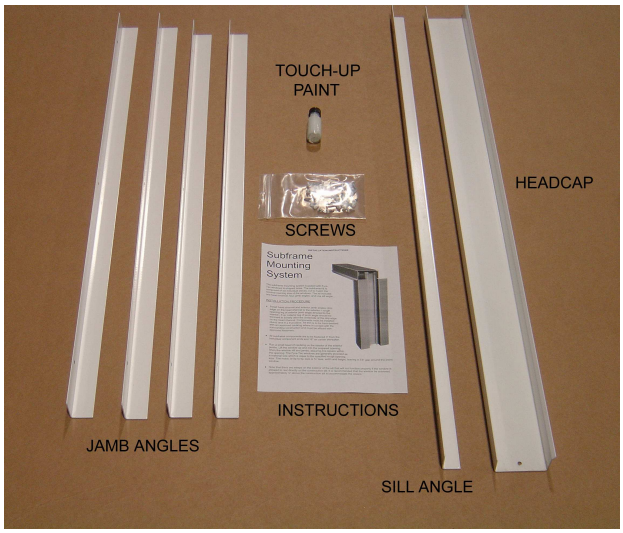
Supplies Needed:

Notice All supplies must be approved and meet local code requirements. Contact your local inspector for a list of their approved products.
-Sealant -Fasteners -Shims

Parts Shipped

Contained within each individual crate supplied are:
1-Window
*1-Trim kit containing:
Instructions
1-Headcap
1-Sill Angle
4-Jamb Angles
**Touchup Paint
**Screws for fastening to window

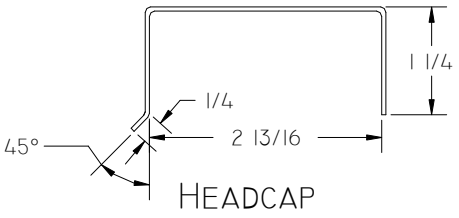
(Not shown)
Mullions if applicable

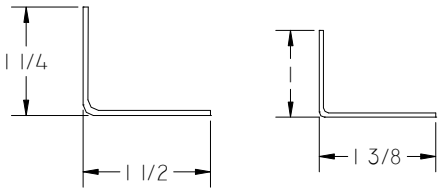


Notes:
The window and parts should be inspected for shipping damage prior to installation

*If trim kit exceeds the length of the window it will be provided in separate box.

**Note: With larger quantities of windows provided. Touchup paint and screws will be provided in larger bags with enough quantity to cover the whole order. These bags will be attached to only one or several trim kits depending on order quantity. Location of these items will be identified on the shipped crate being marked as “SCREWS”





JAMB ANGLE SILL ANGLE
(ALL MATERIAL 16 GAUGE)