



# Retractable Screen Measuring Instructions

## Before you measure you will need:

- Retractable Screen Work Sheet (Download at [www.fenetex.com/technical-library](http://www.fenetex.com/technical-library))
- Measuring tape or laser (a laser is faster and more accurate than a tape)
- 6' Plate Level

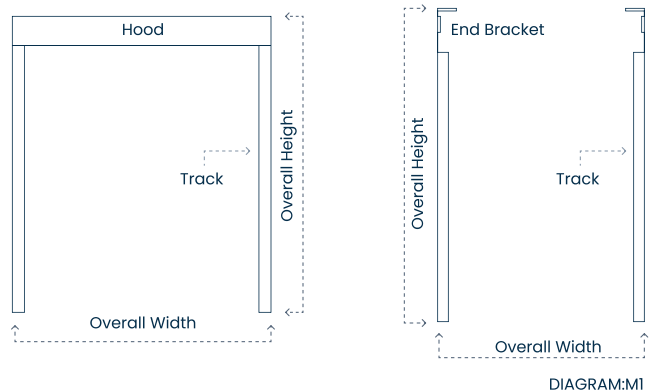
To make the measuring and ordering process easier and error free, it is a good idea to use the Retractable Screen Work Sheet. This serves as a checklist for the information needed to place an order (Read Section 5 for details) and corresponds with the information needed for the online ordering tool. Please print copies for field use as needed.

At the end of this section is a design guide with diagrams of the different tracks and hoods with dimensions that will need to be factored into your order, a chart showing the hood size that will be used for screen type and height, and the minimum hood allowance needed for weight bars to clear the daylight opening.

## NOTE:

### Screens are manufactured using two dimensions:

- The overall width (including tracks)
- The overall height (including hood or top of end bracket if the screen will be built-in)



All track widths, reveal desired and any other offsets needed that affect the overall width of a screen must be accounted for and included in the dimensions given with your signed screen order.

Fenetex does not make adjustments to your signed order. If you order a screen that is 100" wide you will receive a screen that is 100" wide measured from the outside of the tracks. Dimensions should be to the nearest 1/16".



**Measure the Width:**

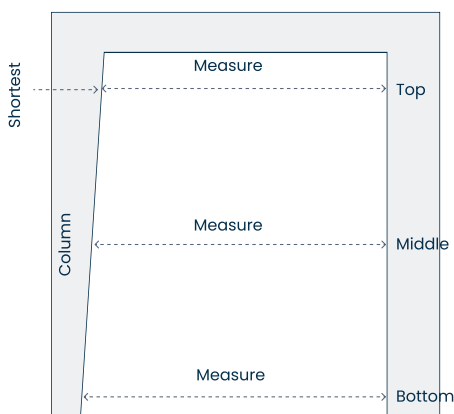
You will typically be dealing with one of two installation types: the first is a trapped screen, where the screen will be jamb mounted between columns, typically under a header and within the opening. The second is a face mount, where the screen will be mounted on the face of the column or on a wall, over the opening. For details on design considerations for built-in installations with new construction, please see the online design guide.

- **Trapped Screens:** If the screen tracks can be mounted directly to the column, measure the distance between columns. If bracketing or build-outs are required, you must deduct for this to arrive at an overall width.

**NOTES:**

1. The amount of encroachment to the view plane is dependent on the track type used and any build-out required, see (Table 1: Track Dimensions).
2. Because columns are not always square, it is very important to measure width in three locations, top, middle and bottom. Order screens based on the SHORTEST dimension.
3. For your trapped installation WITHOUT buildout angle, we recommend deducting 5/16" from the overall opening width at the narrowest point for your overall system width. If you WILL be using buildout angle in your trapped installation, we recommend deducting 1" from the overall opening width at the narrowest point for your overall system width.

When measuring for jamb mount, measure between columns at top, middle, and bottom. Order based on shortest dimension.



If using build-out, deduct build-out from overall width between columns to determine overall width of screen including tracks.



DIAGRAM:M2

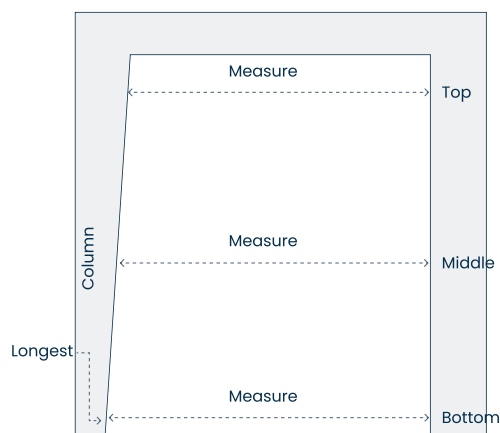
4. Build outs for hurricane tracks must comply with requirements of the Florida Product Approval or Miami-Dade NOA.



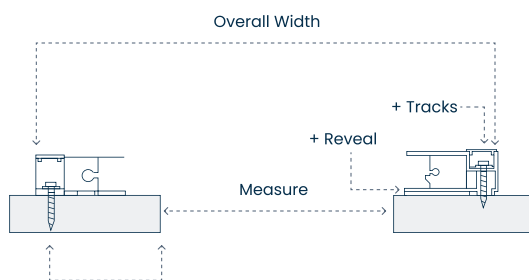
- **Face Mount Screens:** It is common practice to provide a 1/4" reveal between the inside track edge and the opening. The reveal sets the track back from the opening Page 3 (Rev Nov2023) and works well to hide irregularities that may exist in the building. When measuring for Face Mount it is common to measure the daylight opening width, add for the desired reveal and add for the width of the tracks.

## NOTES:

1. For your face mount installation we recommend adding 6" for One-Track and 7" for Hurricane Track to the longest opening width dimension for your overall system width. This will yield 1/4" reveal on each side. For larger reveal, add more to the largest dimension.
2. Because columns are not always square, it is important to measure the opening at the top, middle, and bottom and order screens based on the LONGEST dimension. Be certain to add for the desired reveal and tracks on both sides.



When measuring for a face mount, measure between columns at top, middle, and bottom. Order based on longest dimension + reveal + tracks.



Fastener edge distance required for hurricane screens. See Product Approval, NOA/Anchor Schedule.

DIAGRAM:M3

## Measure the Width:

You will typically be dealing with one of two screen types: a built-in screen that is mounted in a cavity or a face mount screen.

- **Cavity Mount:** The overall height is measured from the floor to the top of the cavity bracket. If the floor is not at the finished height when measuring, order based on the subfloor and trim the tracks during installation.

## NOTE:

It is important to measure for height on the left and right sides and order based on the TALLEST dimension.



- **Face Mount:** The overall height is measured from the floor to the top of where the hood will be. If the floor is not at the finished height when measuring, order based on the subfloor and trim the tracks during installation. In a face mount installation, the hood is above the opening, it is typical to allow enough screen height for the hood and weight bars to be out of the view plane "daylight opening" when the screens are retracted. Refer to Hood Size and Allowance chart to determine what size hood you will have, and what the hood allowance needs to be for the opening.

## NOTES:

1. It is important to measure for height on the left and right sides and order based on the TALLEST dimension

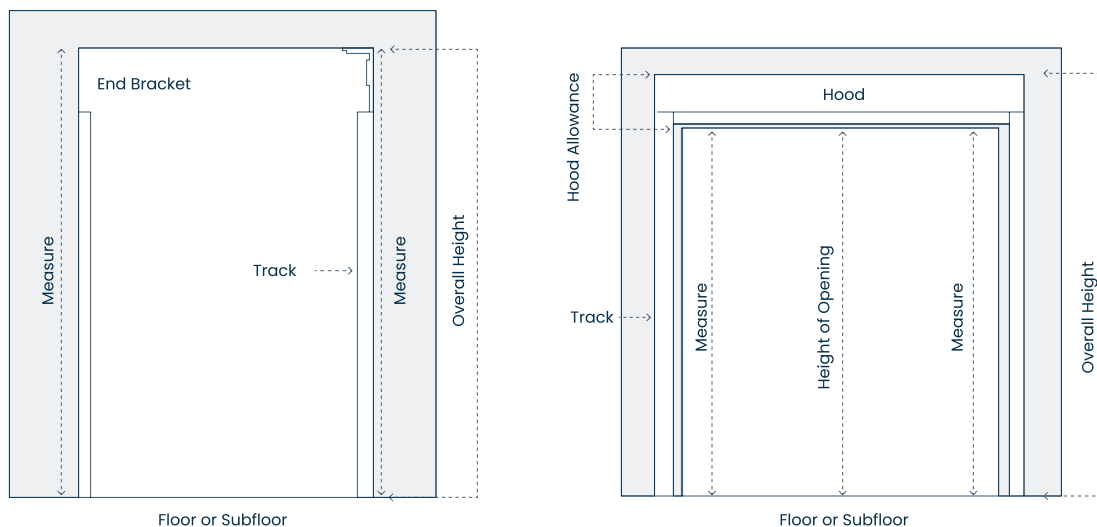


DIAGRAM:M4

2. Screens can be made to fit the slope of a floor when the slope is greater than  $3/4"$ . If this is requested, we will need the left and right height dimensions and a basic drawing. Please note that the reel will also need to be tuned for the angled screen bottom—meaning you may need to place a shim on the reel on the low side to increase the reel diameter so the screen will roll up evenly.