

# Installation Agreement

Viewrail, LLC ("Viewrail") will utilize a third-party contractor ("Contractor") to facilitate customer's railing and/or FLIGHT installation. The undersigned customer ("Customer") agrees to the following terms.

## **Delivery and Worksite Access**

Customer, or a designated representative of Customer, must be present at the delivery site at the time Customer's products are delivered. Failure to be present at the delivery site will result in additional delivery fees and/or delays.

To the extent necessary, Customer will provide Contractor full and free access to the worksite, including adequate parking, and a suitable safe space for the storage of the products before installation. Customer shall ensure, at no charge to Contractor, that there are no obstacles preventing Contractor from moving products to the worksite. If worksite conditions prevent the Contractor from moving product effectively to the work area, added fees may be applied.

Viewrail and Contractor utilizes multiple delivery methods depending on order contents and destination location, etc. The preferred delivery method is through Viewrail Delivers, LLC. In some cases, Viewrail and Contractor may rely on LTL Freight Carriers, in which case a small group (3-4) individuals may be required to assist in receiving products at time of delivery.

Customer bears the risk of loss or theft of any products and other construction materials after they are delivered to the delivery site.

Viewrail and Contractor will not be liable for any delay in delivery or installation for any cause not reasonably within the control of Viewrail and/or Contractor (including without limitation, any allocation program in effect pursuant to government direction or request or instituted in cooperation with any government authority, fires, acts of God, accidents, breakdowns, or mechanical failure of machinery or equipment, however caused, failure of delivery materials from normal sources, strikes, or other labor troubles.)

## **Code Compliance**

Building code compliance requirements vary greatly from location to location. Therefore, neither Viewrail nor Contractor are liable for products and/or services which do not comply with applicable building codes specific to a Customer's install location. Local building code requirements will always supersede any and all suggested procedures and measurements offered by Viewrail and/or Contractor. Viewrail does not evaluate or comment on the structural integrity and/or load capacity of a building with the exception of the blocking makeup to which Viewrail's products are fastened.

## **Measurement Requirements**

Measurement services are often provided after rough framing has been completed (new build) or after demolition has begun (remodel) at any worksite. Viewrail ensures the accuracy of these measurements as long as the customer adheres to the following requirements:

- Customer, or a designated representative of the Customer, acknowledges by signature that worksite conditions will remain identical from time of final measurement to the time of installation.
- Customer, or a designated representative of the Customer, acknowledges by signature that worksite modifications requested by Viewrail or Contractor will be completed by time of installation.

Failure to follow these requirements may result in additional fees and/or installation delays.

**Viewrail and Contractor Working Hours and Labor Limitations**

Contractor will furnish all labor to perform installation services in a professional and workmanlike manner. Work hours predetermined and agreed upon by contractor and customer. If Customer desires work to be done on weekends or non-business hours, Customer may be charged additional fees to cover overtime wages. .

Neither Contractor nor Viewrail will provide any payment or services associated with any of the following:

- Municipal design or architectural review, or other specialty permits. This includes: cost to attend any public hearings, notification of neighbors, or additional drawings required;
- Any work or expenses regarding pre-existing deficient conditions or code violations;
- Removal or demolition of any preexisting material.
- Moving any of the customer's property around the worksite;
- Any installation of third-party materials;
- Any finish work (painting, drywall, etc);
- Any framework; Including blocking that supports Viewrail products. (See Blocking Requirements Section Railing (Pgs 4-5) FLIGHT (Pg 6)).
- Any flooring work;
- Any electrical relocation or main power supply hook up for LED products;

**Minor Repairs**

Installation services typically occur during the finish stage of any given project following flooring installation, drywall installation, and finish painting. Installation of floating stairs and railing can leave a worksite in need of minor repairs (repairs to drywall, framing, paint, etc). These repairs will not be made by Viewrail or Contractor nor will the Customer be compensated for such.

**Pricing and Fees**

Pricing for Installation services are determined prior to arriving on the worksite and may be increased based on the following non-exclusive factors, evaluated at the first site visit by Viewrail and/or Contractor.

- Lack of worksite access and/or availability (difficult terrain, elevator access, multi levels greater than 3 stories)
- Limited vehicle parking access or lack thereof;
- Lack of adequate lighting or electricity;
- Lack of access to bathroom facilities at the worksite;
- Any limitation(s) that prevent Contractor from working at the worksite for the less than 8 hours per day;
- Additional equipment and/or vehicles required to deliver materials to the worksite. Includes scaffolding or specialty rigging equipment;
- Material waste removal not provided on site;
- Required through bolting or drilling/tapping of steel beams;
- Work alterations that modify any original agreement;
- Design selections that are modified following the submission of an order.

At its option, Viewrail and/or Contractor may charge additional fees for return trips to the worksite based on the following non-exclusive list:

- Worksite unpreparedness (Contractor will specify any modifications that must be made prior to installation);
- Worksite variances, not as described;
- Request of Customer;
- Materials damaged prior to arrival without notice to Viewrail and/or Contractor.

**Project Completion**

Viewrail is dedicated to customer satisfaction. Viewrail will work with the Contractor to ensure that Contractor has performed a completed and satisfactory installation.

Customer Signature \_\_\_\_\_

Date \_\_\_\_\_



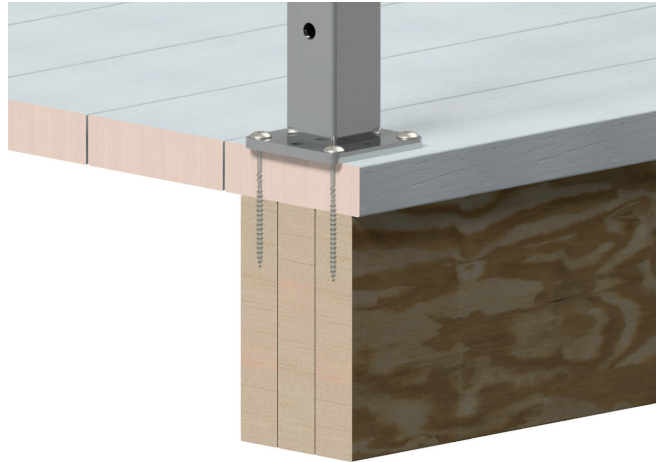
# Post Blocking Instructions Installation Guide

## Surface Mounted Post

When mounting a post down to a wood surface, it is important to have at least 4" of proper blocking. Proper blocking is solid wooden material that is firmly attached to the structure of the surrounding framing. Improper blocking could result in difficulties leveling the post, a weakened railing system, or product defect.

Surface mounted posts will be fastened to the structure using four  $\frac{5}{16}$ " x 4" lags.

**\*This blocking will work for glass systems such as: Base Rail, Surface Talons, or Ascend Talons**

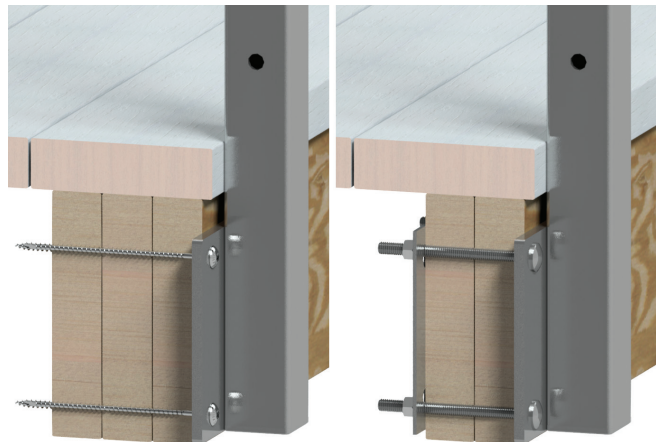


## Side Mounted Posts

When mounting a post to the side, or fascia, of a deck or balcony there are two mounting hardware options: wood lags or through-bolts.

If you are using lags to attach your post to the fascia, you must have the equivalent of triple 2"x8" or greater. Side mounted posts will be fastened with four  $\frac{5}{16}$ " x 6" lags.

If you are using through bolts to attach your post to the fascia, you must have the equivalent of a double 2"x8". These posts will be fastened with four  $\frac{5}{16}$ " x 6" bolts. The bolts will go through the mounting plate, through the 2x8's, through the two metal backing plates, through the  $\frac{5}{16}$ " Stainless Steel Washer, and tightened with the  $\frac{5}{16}$ " Stainless Steel Hex Nuts.

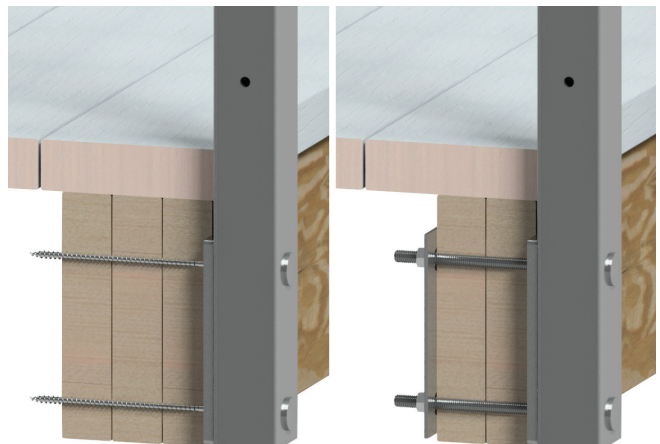


## Slim Side Mount Posts

When mounting a post to the side, or fascia, of a deck or balcony there are two mounting hardware options: wood lags or through-bolts.

If you are using lags to attach your post to the fascia, you must have the equivalent of triple 2"x8" or greater. Side mounted posts will be fastened with four  $\frac{5}{16}$ " x 6" lags.

If you are using through bolts to attach your post to the fascia, you must have the equivalent of a double 2"x8". These posts will be fastened with two  $\frac{5}{16}$ " x 6" bolts. The bolts will go through the  $\frac{3}{8}$ " Flat Washer Nylon, through the post, through the 2x8's, through the metal backing plate, through the  $\frac{5}{16}$ " Stainless Steel Washer, and tightened with the  $\frac{5}{16}$ " Stainless Steel Hex Nuts.



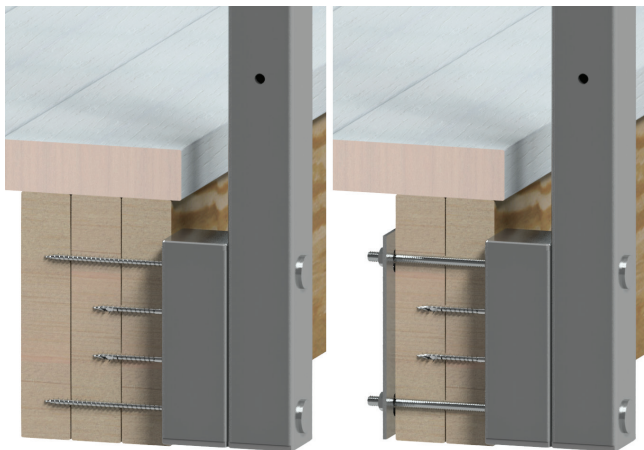
## Post Blocking Instructions (Continued)

### Slim Side Mount Bump Out Posts

When mounting a post to the side, or fascia, of a deck or balcony there are two mounting hardware options: wood lags or through-bolts.

If you are using lags to attach your Bump Out Post to the fascia, you must have the equivalent of triple 2"x8" or greater. Slim Side Mounted Bump Out posts will have an additional 2"x2"x6" addition. This will be fastened to the fascia first with two 2½" screws. The post body will mount against this bump out using ⅝" x 6" lags.

If you are using through bolts to attach your post to the fascia, you must have the equivalent of a double 2"x8". Slim Side Mounted Bump Out posts will have an additional 2"x2"x6" addition. This will be fastened to the fascia first with two 2½" screws. The post body will be fastened against the bump out with two ⅝" x 6" bolts. The bolts will go through the ⅜" Flat Washer Nylon, through the post and bump out, through the 2x8's, through the metal backing plate, through the ⅝" Stainless Steel Washer, and tightened with the ⅝" Stainless Steel Hex Nuts.



### Angle Knee Wall Posts

When mounting a post down to a wood surface, it is important to have at least 4" of proper blocking. Proper blocking is solid wooden material that is firmly attached to the structure of the surrounding framing. Without proper blocking, the posts will be difficult to level, not support the proper amount of weight, or even cause product defects.

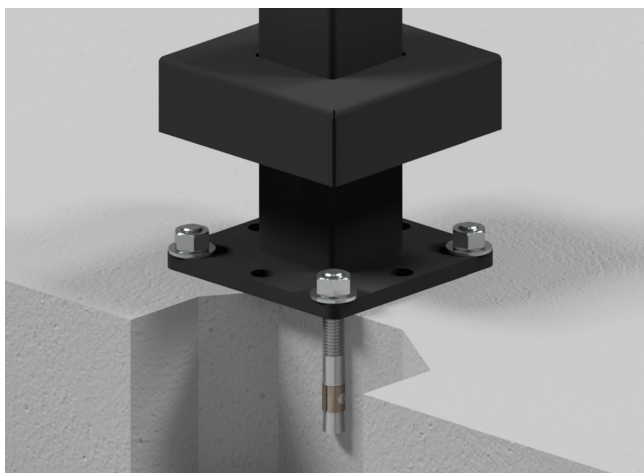
Angle Knee Wall posts will be fastened to the angled structure using four ⅝" x 4" lags.



### Special Application Posts

The user may choose other methods based upon their research and experience. Load calculations are based upon uncracked 3000 PSI concrete. Wedge Anchors have ICC-ES approvals for use in uncracked concrete (ICC-ES ESR-2251). If your concrete is different, please consult the tables at [itwredhead.com](http://itwredhead.com) for ratings

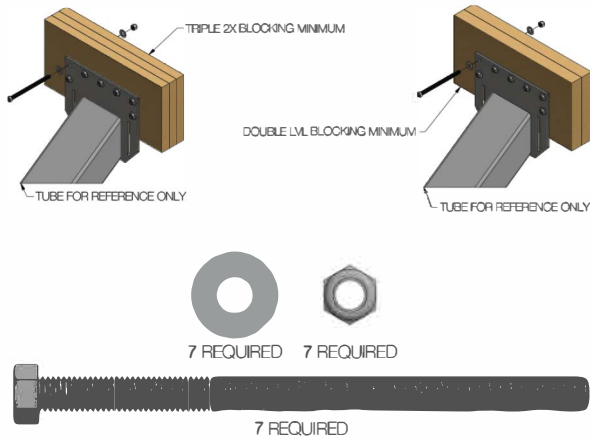
Posts will utilize a 4½" square mounting plate and will be fastened with ⅜" x 3 ¾" concrete wedge anchors.



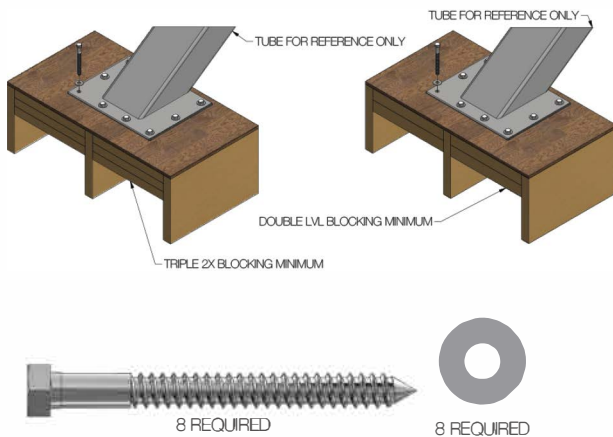


## STRINGER- SITE CONNECTIONS

### VERTICAL PLATE TO WALL WOOD FRAMING CONNECTION DETAIL

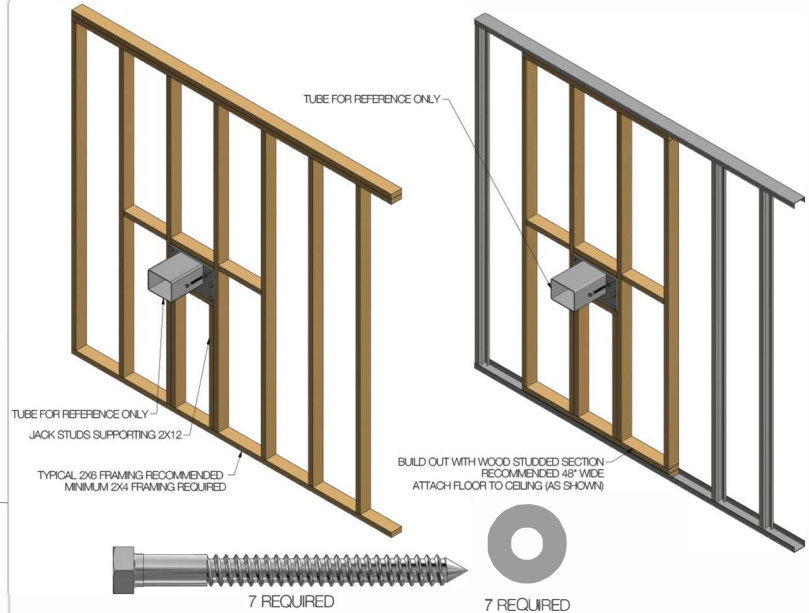


### FOOT PLATE TO FLOOR WOOD FRAMING CONNECTION DETAIL



## CONNECTION DETAILS WOOD FRAMING

### LOWER STRINGER PLATE TO WALL WOOD / METAL FRAMING CONNECTION DETAIL



#### GENERAL

- CUSTOMER IS RESPONSIBLE FOR ENSURING THEIR FRAMING / STRUCTURE CAN BEAR THE LOAD OF THE VIEWRAIL FLIGHT SYSTEM.
- YOUR TECHNICAL DRAWINGS WILL PROVIDE INFORMATION USED TO LOCATE THE REQUIRED BLOCKING. STANDARD CONSTRUCTION METHODS FOR ADDING BLOCKING SHOULD BE FOLLOWED. IF THERE IS NO ACCESS TO AREAS REQUIRING BLOCKING, FLOOR/WALL BOARD SHOULD BE REMOVED TO GAIN ACCESS.
- ALL HOLES IN MOUNTING PLATES MUST BE POPULATED WITH APPROPRIATE HARDWARE.
- FOR WALL CONNECTIONS, CUT OUT WALL BOARD. HEADER PLATE MUST SIT DIRECTLY AGAINST BLOCKING TO AVOID CRUSHING WALL BOARD AND COMPROMISING STRENGTH.
- FOR FOOT CONNECTIONS, REMOVE COMPRESSIBLE (CARPET) / BREAKABLE (TILE) MATERIALS AND MOUNT DIRECTLY TO SUB-FLOOR (UNLESS MOUNTING DIRECTLY TO FINISHED FLOOR SUCH AS HARDWOOD).
- HEADER PLATE MUST SIT DIRECTLY AGAINST BLOCKING TO AVOID CRUSHING WALL BOARD AND COMPROMISING STRENGTH.

#### WOOD OR METAL FRAMED WALL / FLOOR CONNECTION NOTES

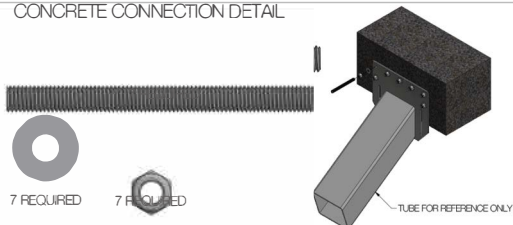
- BLOCKING / LVL MUST BE A MINIMUM OF EITHER DOUBLE STACKED LVL or TRIPLE STACKED DIMENSIONAL LUMBER (2X10, ETC).
- STEEL STUDS ALONE ARE NOT ADEQUATE TO SUPPORT FLIGHT SYSTEMS. SUITABLE WOOD FRAMED SECTIONS MUST BE FRAMED IN AND ATTACHED TO FLOOR / CEILING. (RECOMMENDED 48" WIDE)

#### CONCRETE WALL / FLOOR CONNECTION NOTES

- FOR MOUNTING PLATES TO CONCRETE MINIMUM 4" OF CONCRETE REQUIRED (NOT SUITABLE FOR LIGHTWEIGHT MASONRY SUCH AS BLOCK OR BRICK)
- HIGH STRENGTH, TWO PART STRUCTURAL EPOXY FOR VERTICAL AND HORIZONTAL APPLICATIONS IN CONCRETE AND MASONRY SUBSTRATES IS REQUIRED

## MOUNTING TO CONCRETE CONNECTION DETAILS

### VERTICAL PLATE TO WALL CONCRETE CONNECTION DETAIL



### FOOT PLATE TO FLOOR CONCRETE CONNECTION DETAIL



### LOWER STRINGER PLATE CONCRETE CONNECTION DETAIL

