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## **VEKArail V SERIES STAIR HANDRAIL**

### **FIXED BRACKETS**

### **INSTALLATION INSTRUCTIONS**

#### **OVERVIEW**

The below installation instructions are to be used for VEKArail's V Series Stair Handrail – Regal System.

#### **RECOMMENDED TOOLS & MATERIALS**

- Protective Clothing
- Safety Glasses
- Hearing Protection
- Marking Pencil
- Carpenter Square
- Tape Measure
- Level
- Screw Gun
- Miter Saw

#### **PREPARATION**

Plan in accordance with all local building codes for design load requirements for handrail application. Verify deck and/or concrete conditions to be sure that they are acceptable for product installation. The contractor in accordance with the construction plans shall layout all new installations.

#### **POST INSTALLATION**

Using a structural post mount or treated lumber post, attach to deck/concrete surface using installation methods indicated on the drawings or manufacturer's recommendation. Install the posts per spacing specified on the drawings. Treated lumber posts should extend at least 24" above the deck surface to ensure proper support. Recommended finished post height is 2" greater than the planned handrail height. Once all posts are installed plumb, square and in line, cover with the one-piece PVC post sleeve. Slide post trim skirt over the PVC post sleeve until it is resting on the level deck/concrete surface.

**NOTE:** See VEKA's OLP Post Mount Installation Instruction Document for manufacturer's installation instructions.

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### **STEP ONE**

Once the posts have been installed, determine the height of the bottom rail to the stair tread. Lay the bottom rail as close to the stair treads as possible and up against the posts. It is recommended to use a spacer block to ensure the bottom rail is supported at the proper height. Keep the spacing between the picket hole and the post the same on top and bottom of the rail. Clamp bottom rail to the posts.

### **STEP TWO**

Place a picket in the first and last routed hole in the bottom rail. Apply the top rail to the stair section. Set the rail section with the pickets being plumb, level, and square. Clamp rails to posts and mark miter lines on top and bottom rails.

### **STEP THREE**

Unclamp stair section from posts. Using the marked lines from Step 2, miter cut the top and bottom rails.

### **STEP FOUR**

Place bracket onto both ends of the bottom rail. Keeping the rail as close to the stair treads as possible, using spacer block from Step 1, position the rail between the posts.

### **STEP FIVE**

Using the supplied screws, install the bottom rail brackets by centering them on the posts. Install the brackets into the bottom rail using two of the supplied side screws into each side of the rail.

### **STEP SIX**

Place pickets into the routed holes in the bottom rail.

### **STEP SEVEN**

Starting at one end feed the top rail down on the pickets working towards the opposite end. Install one picket at a time, allowing the top rail to drop down onto each picket.

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### **STEP EIGHT**

Place bracket onto both ends of the top rail and position the rail between the posts.

### **STEP NINE**

Using the supplied screws, install the top rail brackets by centering them on the posts. Install the brackets into the top rail using two of the supplied side screws into each side of the rail.

### **STEP TWELVE**

Place post caps onto each post location.

### **STEP THIRTEEN**

Please see the VEKA OLP Installation Guidelines document for further information.

### **STEP FOURTEEN**

Follow the VEKA OLP Care & Maintenance Guidelines document.