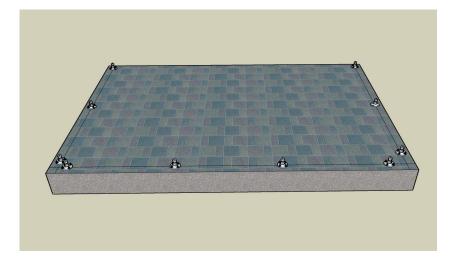
#### **Tools Required**

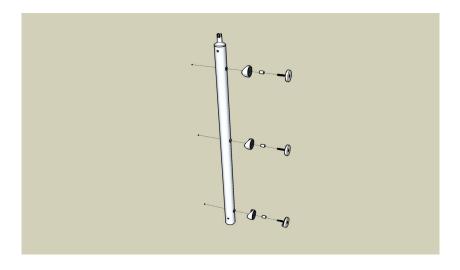
- · White rubber mallet
- · Straight line
- · Chalk line

- ·6 in and 24 in level
- Impact for self tapping screws
- · Hammer drill for anchors
- · Standard drill
- · Selection of drill bits
- · Hand tools



#### **RAILING LAYOUT**

- · Check field conditions for square
  - · Adjust layout as needed
  - Snap a chalk line and lay out post locations
  - Use one of the base flanges as a template to locate drill locations for anchors
  - While installing base flanges, use a 6 inch level to ensure posts will be plumb
    - Use shims as needed to adjust level or height of posts



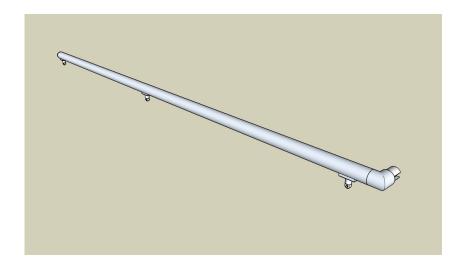
# PRE ASSEMBLY OF RAILING FRAME

- Install fittings on post
  - Leave screw at least one rotation loose.
  - This will leave enough room to install glass later.
  - Ensure that gasket separating metal screw from glass is installed.

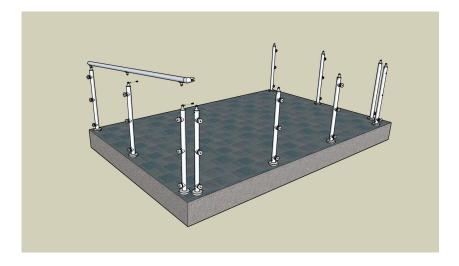
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· Install fittings on the top rail



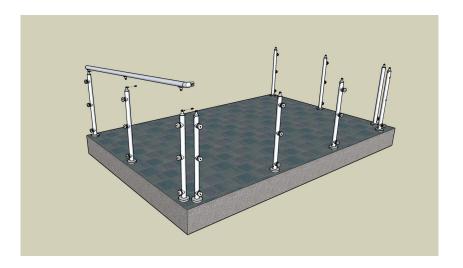
#### **ASSEMBLY**

- Attach posts to base flanges.
  - Post mounted panel clips must be perpendicular – at right angles – to the horizontal run of the rail.
- Snug up set screws at bottom of post to hold post in place
  - These may need to be loosened later to align top rail and glass.

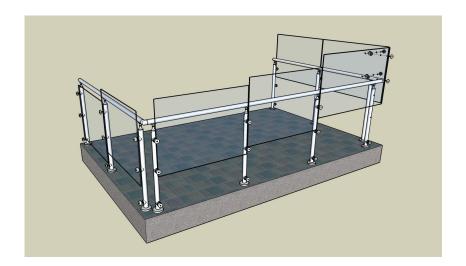
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 Begin installation of the top rail, starting at the end of a run and working your way around the railing system layout.

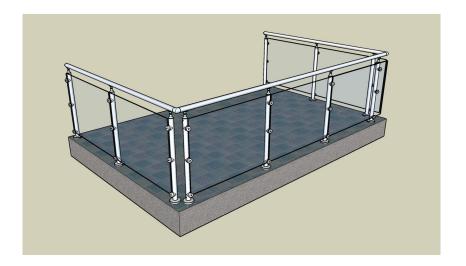


- · Install glass
- · Use a 2 man crew minimum.
- One man should lift glass from top, while other person guides it from the bottom.
- Snug up set screws holding the glass enough to keep glass in place
- Start at the end of a run, work your way around the run.

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 After all glass is installed, ensure all glass is aligned, and tighten all screws connecting railing frame and holding glass.

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