



www.prowellwoodworks.com

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INSTALLATION GUIDE---GATE AND GARDEN COLUMNS

Refer to the printout drawings, in the white envelope of every shipped or delivered product

Drive Gates Columns

Gate Columns onto 6x6 Steel Posts

Columns arrive with one face temporarily set. This is the solid face of the columns that faces the hinge edge of the gates. The columns are slipped over the site posts. Drive Gates mounting to steel frames will require the 6x6 steel posts be configured with steel T-Bar straps that are welded to the steel posts. These small flatiron extensions are normally about 2-1/2" wide by 1/8-1/4" thick, and approximately 3-1/2" long. Two per post. The location of these are called out in the drawings provided as per the site contractor's specifications. With this dimension, Prowell—or the site contractor—will make a small mortise or cut-out in the solid face of the Columns that allow them to slip over the steel posts and fit to the T-bar extensions. This column face is then screwed to the 3-side column already in place, and plugged with the provided wood plugs. The T-Bar extensions should be long enough to extend proud of the Column allowing for the weld joint of whatever hinge system is preferred. This also ensures that the entire bearing load of the wood gate and steel frame are drawn from the steel post and not the Wood Columns. The hinge edges of the gates are provided with exposed steel plates where the other arm of the hinge system is welded.

Pedestrian Gates Columns

For those Garden Gates flanked by the Prowell Gate Columns, the procedure varies. The Columns arrive as three-sided assemblies to be slipped around your wood posts. Two faces of the Columns are detailed and exposed to face the street and residence. The other two sides are solid, parallel to the gate opening (This is the same procedure for the drive gates so far). Your posted Prowell drawing will call out the exact dimensional



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requirement themselves. In most cases, there is the net width of the gate, plus the standard 5/8" clearance (1/4" for surface-mounted hinges and 3/8" for swing clearance). In addition to this, the Column dimension is accommodated by setting the post, as a surfaced 6x6, another 2-1/16". For surfaced 4x4 posts, the post is set another 3-5/16". So a 42" net gate width using surfaced 6x6 posts will have the posts with a rough opening dimension between them at 46-7/8".

Prowell provides the 4" ball-bearing butt hinge, surface-mounted to the solid face of the Column in the exact same manner outlined above, as if the column were a standard wood post.

Lighted Columns: As of late 2025, the lighting fixtures themselves are no longer provided by Prowell. The technology in this genre changes to quickly and is best relegated to on-site professionals much the same as the automation with our drive gates. One face of the columns is temporary in place upon arrival. The screws are backed out to expose interior of the column for easy access to set the fixtures and feed the wiring down to the low-voltage power source. Fixtures should be fully waterproof, preferably the low-profile 'puck' LED style.

PROWELL'S LIGHTED GARDEN COLUMNS

The Landscape Lighting Column was designed primarily as an architectural lighting source within the landscape. These require 4x4 wood or steel posts set into the grade and extending to the height called out in the provided drawings. The Column arrives as a complete four-sided assembly, slipping over the top of the set post. The fixture is mounted by removing the column cap, with the wiring fed out under the bottom of the Column and junctioned to a low-voltage power source.



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The Column is secured to the post using the pre-bored screw holes and wood screws. The Column Cap slips over the Column. Access to the fixture or Plexiglas sheets that back the upper grid pattern is allowed by removing the Cap. Further discussion, with images, is available under Product Specifications on the web site, linked on the left margin of the home page.

Note on fixtures. The most recent generation of fixtures has been the Mini Beam Outdoor Mini Light. 12V.