

PREFABRICATION GUIDE

Market Conditions

The construction market is incredibly competitive. Skilled installers and inexpensive materials are constantly raising customer expectations and lowering project bids. With so much pressure in the market, contractors need to find new ways to differentiate and win.

The nVent CADDY Solution

nVent CADDY products are designed to provide innovative solutions that reduce project cost through labor savings. The best way to do this is through prefabrication. Prefabrication reduces installation time and scrap, improves quality, and allows schedule flexibility.

The best way to capitalize on the benefits of prefabrication is by combining multiple services on the same prefabricated module and transporting it in one piece to the jobsite. Prefabrication of modules can be broken up into two main methodologies based on how it is being installed: attached at the load or at the structure.



Rod Lock Strut

Attaching at Load

If the module is strut-based, it can all be attached to **nVent CADDY Rod Lock Strut** in advance. The strut comes in pre-cut lengths of 16–52" or 60–1100 mm with Rod Lock nuts riveted into the channel. Standard strut hardware can be used the entire length of the bar. Once the services are fabricated on the strut, they can be transported to the jobsite and easily lifted and locked onto pre-installed threaded rod. If more than 52" or 1100 mm is required for all of the services, they can be stacked in multi-tier trapezes on the same two threaded rods. According to internal tests, Rod Lock Strut can save 69% of time compared with traditional methods when installing multi-level trapeze.



Rod Lock L-Bracket

If the module is not constructed on a horizontal strut channel, **Rod Lock L-Brackets** can be easily screwed into the sides vertical strut or angle iron frames, transported, and lifted onto the threaded rod.

Attaching at Structure

However the module is created, it can always be attached at structure with a Rod Lock structural attachments including: **Rod Lock Beam Clamp, Rod Lock Preset Anchors, Rod Lock Bar Joist Hanger, or Rod Lock Anchor Screw**. The module needs to be prefabricated with threaded rod attached at the load. It is then easily transported to the installation location, lifted, and locked into place.



Rod Lock Beam Clamp

Tip: When composing the individual modules, it is best to order the services so that liquids are at the bottom. As a result, in the unlikely event of a pipe leak, the electrical services can avoid damage.