

Case History – Labor Saver® Fixture Support for Pre-Fabrication, Battery Installation.

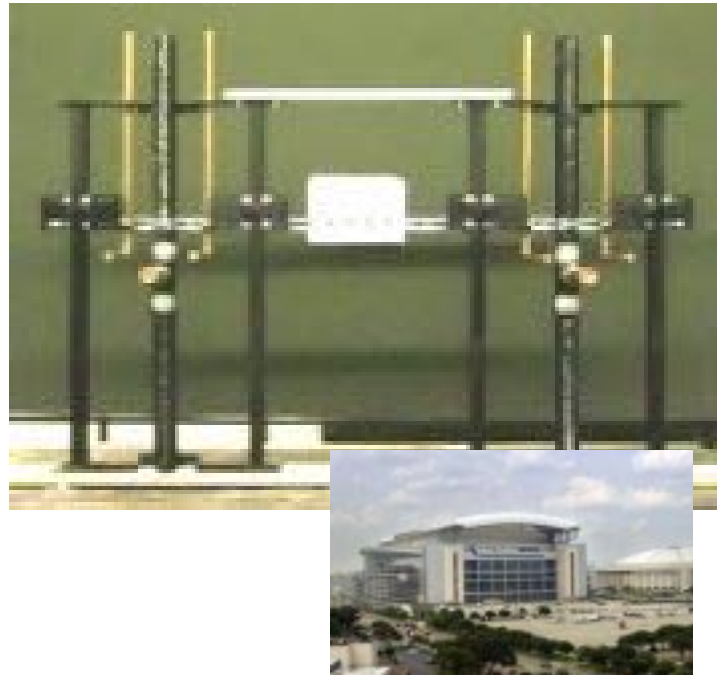
Problem: An experienced Mechanical Contractor working on a professional football stadium practice facility in Houston, Texas needed a solution to save time and money installing fixture supports. The facility had several bathrooms in which the contractor was to install fixture supports for water closets, urinals, and lavatories.

Solution: The contractor developed a plan to construct a “battery” of fixture supports off-site using the Labor Saver® Fixture Support by Jay R. Smith Mfg. Co. The idea was to avoid common job site problems such as missing parts and excessive installation time by using a product better suited for pre-fabrication situations.

The Labor Saver® Fixture Support, Figure Numbers 0609 through 0925 is designed to speed up the installation process by using a one-piece, pre-assembled rigid steel frame construction. This innovative support allows for installation in narrow wall and metal stud configurations.

Traditional supports usually require additional adjustment and alignment adding time on the job. With extra components there are often problems with missing parts and accurate measurements. In narrow wall, metal stud configurations, traditional supports do not always allow for proper installation without additional work, i.e. cutting the metal stud base to accommodate the supports. Final adjustments on the job site require both front and back access to the support to ensure installation rigidity.

The rigid and compact, one piece design of the Labor Saver® Fixture Support offered the contractor excellent versatility for prefabrication in a “battery.” The pre-assembled features of the unit prevent any parts from being misplaced. The one-piece design keeps measurements and dimensions precise. With a few simple steps, the Labor Saver® Fixture Supports can be set for a reliable finish every time. Simply, determine wall and chase lines, then mark the center of the fixture support and the eight anchors. Drill the eight anchoring holes, setting the support, checking the level and securing the anchor bolts. Once these steps are completed, the final adjustment can be kept to a minimum with the front access only feature.



The pre-fabrication done by the contractor was accomplished by studying the construction blueprints and building the “battery” to match. The assemblies were mounted on temporary wood framed bases then moved to the job site for permanent installation. For the piping, the contractor used Uni-Strut (supplied by others) sections to secure the water and waste piping and fixture supports together. The Labor Saver’s® rigid frame allowed for an easier prefabrication job and reduced the need for additional Uni-Strut materials. The installing contractor was able to use only two (2) pieces of Uni-Strut instead of six (6) pieces usually needed for a traditional support battery prefabrication.

The patent pending, Labor Saver® Fixture Support meets or exceeds the applicable requirements of ASME A112.6.1 M 1997. It also conforms to the applicable ASTM specifications and is IAPMO listed. The manufacturing of the product is done entirely at Jay R. Smith Mfg. Co. and passes all of the loading tests performed by the research and development team.

For more information on this and other Jay R. Smith Mfg. Co. products, or to contact your local representative, visit the Virtual Yellow® Pages web site at www.jrsmith.com.