

## RWC HOLDRITE #117 No Hub Pipe & Fitting Restraint Case Study

In early 2009, HOLDRITE was approached by a mechanical contractor in Florida (BCH Mechanical) for assistance in restraining hubless cast iron soil pipe. The project under construction was known as The Orlando Magic Center (now called The Amway Event Center). The contractor was looking for a product solution to restrain cast iron soil pipe per IPC Sec 308.7.1 that was less time consuming than the current method of using riser clamps, threaded rod and hardware.

At the time, HOLDRITE did not have a product solution for this application. No other product solution for this application was discovered during follow up research in the U.S. market.

Rather than leaving the contractor to their own devices, HOLDRITE product development team members got to work and came up with a prototype of the #117 Restraint. This was delivered to the contractor in Orlando, FL for their review and approval. It was also submitted to the MEP Engineer (Smith, Seckman & Reid) for the Orlando Magic Center for their review and approval.

Both the contractor and the MEP engineer liked and approved the #117 Restraint prototype. The contractor recommended some minor alterations to make installation simpler which were incorporated into the #117's design.

Fast forward to today: the #117 No Hub Pipe and Fitting Restraints are the dominant product solution for restraining hubless cast iron soil pipe against axial movement! It is also one of HOLDRITE's fastest growing new products! It is specified by MEP Engineering firms across the United States, especially in areas that experience heavy annual rainfall.

The #117 No Hub Pipe & Fitting Restraints make meeting Cast Iron Soil Pipe Manufacturers' Installation Recommendations and Plumbing Code requirements easier and less time-consuming! They are designed to restrain pipe and fittings against separation against thrust forces up to 50' head of water.

As of today, no other commercially manufactured product exists for this application solution!

The #117 No Hub Pipe & Fitting Restraints are made in the U.S.A. in La Vergne, TN