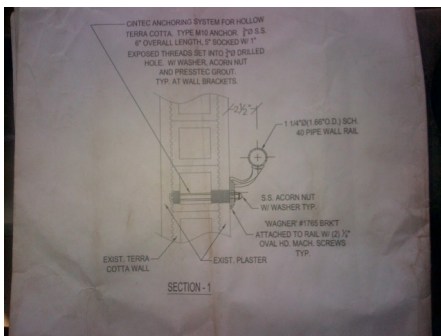


New England Power Building, 441 Stuart St, Boston, Massachusetts

The New England Power Building is 11 stories tall and was built in 1927 of typical construction methods of the period. Which included using terra cotta tile as wall back up through the building including interior hallways. During the interior restoration it was discovered that the handrails were not properly attached to the terra cotta back up walls.

To solve the attachment situation a Cintec anchor 3/8" stainless steel threaded rod 7" long with a 5" sock was installed in a 2.5" hole with 1" of exposed thread was allowed for the attachment of the hand rail. The shop drawing below gives you a cross section of the design. The Cintec anchor inflates with Cintec grout to fill the terra cotta cell to give a 100% positive wall contact which controls wall pull out and prevents the anchor body from crushing the terra cotta and the original wall plaster.



Installed anchor in the wall



Two of the four anchors installed in the wall, note the exposed thread for attaching the handrail.

Owner: Synergy Investments, Boston, MA

Contractor: Ryan Iron Works, Inc