

***Project:***

Crane Support Design 3<sup>rd</sup> Party Review and Optimization



***Challenge:***

Hopper Engineering was asked to perform a 3<sup>rd</sup> party review of the design calculations for the support of a crane to be installed on an existing structure inside a nuclear power plant containment building. The review indicated that the lower base plate did not distribute the load evenly to the anchor bolts, causing significant overloading of some of the anchor bolts.

***Resolution:***

Our engineering team modified the base plate configuration and bolt spacing to provide nearly equal loading of the anchor bolts, ensuring safe load levels would be maintained on all of the bolts.