



“Timely Solutions Based On Timeless Principles”



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Construction of the pre-cast concrete parking structure and service center was completed in early 2009 but had sat dormant since then pending final economic shake out in the auto industry. Using a design-build delivery platform, San Jose Construction worked closely with Hohbach-Lewin and Avenessian Associates (South San Francisco, Architect) to build this massive structure in less than nine months.

In order to minimize the number of interior columns, a pre-cast system consisting of spancrete double tees, planks, girders and columns was employed for the gravity system. Besides the usual advantages of increased in plant quality control and savings in construction time, this system allowed for spans of over 70 feet.



The four story, interior, tilt up concrete shear walls was the largest concrete tilt up panel ever constructed in the greater bay area. Using sophisticated, performance based design techniques and innovative detailing for the design of the concrete panel hold downs which borrowed a page from the steel industry’s playbook, Hohbach-Lewin developed a “fuse” at the interlinking connections between the panel and the foundations. This unique design provided a controlled yielding point which allowed for justification of avoiding expensive prescriptive over-design of other components of the buildings lateral force resisting system.