



Flores Consulting Services, Inc.

3847 Westside Ave. | Los Angeles | CA 90008 | P: 323 481-1645 | natof2014@gmail.com

California State University Los Angeles Replacement King Hall Electrical Distribution System Replacement & Upgrade of all 480 Panels

- Managed the design and construction of the replacement of the 4160V electrical distribution system and the replacement of the existing 480V panels throughout
- The project was undertaken to upgrade the distribution system for future repurposing of the 200,000 SF King Hall
- At the last moment, the 480V panels were determined by the engineers to be in need of replacement because of the results of an arc flash study. It required the breakers be upgraded from 12KA to 18KA to work with the new distribution equipment. The problem was that the breakers for the panels were not longer made by GE and the breakers fit into cans that snapped into a ladder rack system that was no longer serviced by GE.
- It would have cost \$3,000,000 to change out the ladder rack system and panels and another year for design and construction
- We developed a method (within 2 months) whereby GE reconditioned cans, that would accept fuses in lieu of breakers that would snap into the existing ladder rack system could be used.
- The work for the breaker upgrades was accomplished for \$250,000 instead of \$3,500,000 and approximately a year in lost time to design the replacement
- It required close coordinate with the contractor, the schools facilities and other departments so as not to negatively affect ongoing operations of the school.
- Work was installed per California Building Standards Code California Code of Regulations



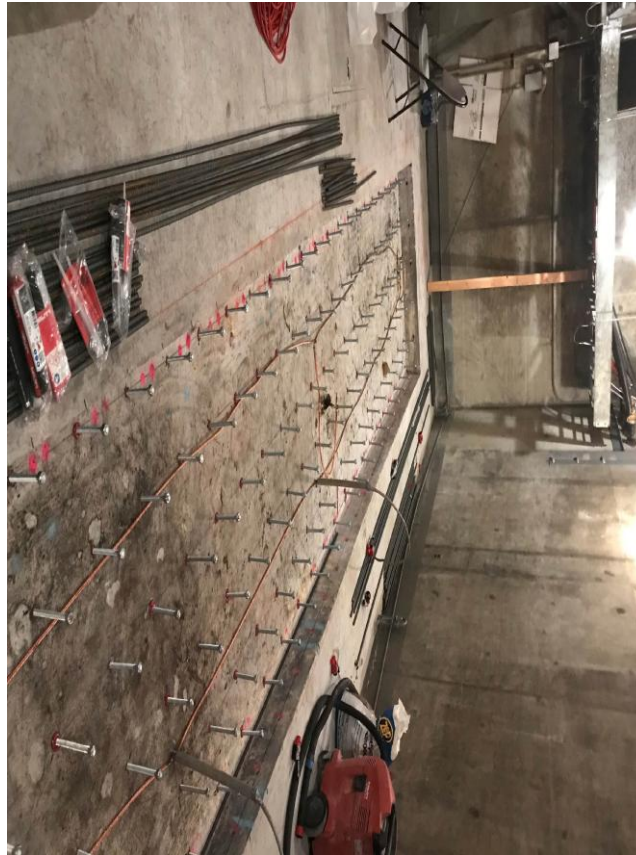
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