



## PLAZA DECK ENGINEERING ASSESSMENT



### CUSTOMER

First Church of the  
Nazarene Pasadena, CA

**PROJECT COMPLETED** 2014



### PROJECT DESCRIPTION

**The large plaza deck covering the basement area of the church was exhibiting serious leaks and visible surface damage. GDI responded with:**

1. A visual assessment and ground-penetrating radar scan of the filigree and topping slab to assess the amount of corrosion of the reinforcing steel
2. Comparative analysis of waterproofing solutions to restore the original aging deck
3. Proposal for below-grade waterproofing and concrete repairs to the structural members beneath the plaza deck
4. Proposed application of a high-performance protective coating to the slab, around the perimeters, and on the adjoining basement foundation walls