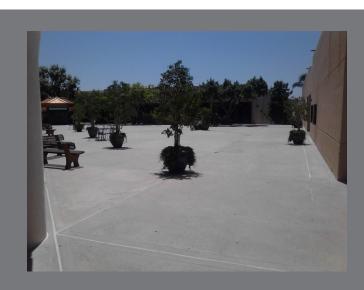




## PLAZA DECK ENGINEERING ASSESSMENT



**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 seal
- 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