

## QUEEN'S MARKETPLACE

BIG ISLAND, HAWAII



### PROJECT SUMMARY

Queen's Marketplace is a 10-building outdoor mall on the Big Island of Hawaii. Queen's Marketplace had a roofing system improperly installed by a roofing sub-contractor. The roofing system manufacturer was unwilling to provide a warranty until the roof was replaced.

### CHALLENGE

Redesign a roof system utilizing as much of the installed system as possible. Maintaining the design concept of redundant waterproofing.

### SOLUTION

Our design team developed a Scope of Repair to address the existing installation issues to create a secondary redundant layer. A new reinforced liquid system with granule surfacing was designed to create the primary waterproofing layer.

We were onsite to provide construction supervision every day for over two months to ensure proper adherence to repair details to ensure the secondary layer would perform. Conducted EFVM (Electric Field Vector Mapping) Moisture Testing to confirm the base layer was watertight. The roofing manufacturer agreed to issue a fifteen year warranty for the installation with a commencement date of original completion.