

WAILUNA

PEARL CITY, HAWAII



PROJECT SUMMARY

In 2000, Trinity | ERD was commissioned by the Wailuna HOA to investigate their leaking roofs protecting 82 buildings. Over several years of investigation, Trinity | ERD documented a progressive failure of roof assembly before there was significant damage to the building interiors.

CHALLENGE

Developing a comprehensive system of evaluation that was repeatable, no matter who did the survey. The documentation of the progressive failures needed to be easily understood by a layperson.

SOLUTION

How do you prove shingle deterioration? Trinity | ERD performed a shingle survey, documenting each building's shingles, rating each shingle on a scale of 1-4, creating site maps, and performing statistical analysis, all to prove that the shingles were defective as we moved forward to trial.

Trinity | ERD developed a systematic approach to documenting the progressive failures and documenting the failures on the rooftop and the residue on the ground. Sampling and laboratory testing provided ample evidence of the progressive failure.