

FEATURED PROJECT

Puamana Homeowners Association

Wood Restoration Project

Helping a 97-unit community in Princeville, Kauai preserve existing wood and avoid an estimated **\$1.4 million** in replacement costs.



97

UNIT COMMUNITY



Princeville

KAUAI, HAWAII



\$1.4M

ESTIMATED SAVINGS



**WOOD
RESTORATION**

Restore More.
Replace Less.

PROJECT OVERVIEW

A Community-Wide Restoration Project

Located in Princeville, Kauai, the Puamana Homeowners Association is a 97-unit residential and vacation community.

Instead of replacing deteriorated wood throughout the property, WRP developed a restoration strategy that preserved existing architectural components while training the onsite maintenance team to perform repairs across the community.



97

Community Units



Princeville

Kauai, Hawaii



\$1.4 Million

Estimated
Replacement Costs
Avoided



WRP's Role

Consultation
Training
Repair Planning
Professional Materials



**Restore More.
Replace Less.**

THE CHALLENGE

Severe Wood Deterioration Hidden Beneath the Surface

The visible deterioration was only part of the problem.

Once repairs began, extensive hidden decay was discovered inside the column.

Rather than replacing the entire component, the goal was to preserve as much sound wood as possible while restoring the damaged areas.



PRESERVE

Existing Sound Wood



RESTORE

Instead of Replace



MINIMIZE

Demolition



What Was Hidden

Once the deteriorated wood was removed, the full extent of the damage became visible.

By exposing the affected areas, the maintenance team could clearly identify which portions of the column remained structurally sound and which sections required restoration.

This evaluation allowed the original architectural component to be preserved rather than unnecessarily replaced.



WHY THIS MATTERS

Hidden deterioration is often much more extensive than what is visible from the outside.

Proper evaluation helps determine where restoration can replace costly replacement.



Hidden Damage
Revealed



Sound Wood
Preserved



Restoration
Strategy Planned



PROJECT CONDITIONS

Restoration Began One Repair at a Time

Throughout the Puamana community, deteriorated wood varied from minor decay to extensive structural deterioration.

Each repair location was individually evaluated to determine where sound wood could be preserved and damaged areas restored.

Rather than replacing entire architectural components, the restoration strategy focused on repairing only what was necessary.



TARGETED REPAIRS

Each repair location was individually evaluated.



PRESERVE

Existing sound wood whenever possible.



COMMUNITY-WIDE

A restoration strategy applied across multiple buildings.



RESTORATION PROCESS

Strengthening the Remaining Wood

With all deteriorated wood removed, the remaining sound wood was treated with **WRP Liquid Wood Consolidant**.

The consolidant penetrates deep into weakened wood fibers, helping strengthen and stabilize the remaining wood before rebuilding begins. By preserving sound material instead of replacing it, the original architectural component can often be restored while maintaining its character and integrity.



PENETRATES

Deep into
weakened
wood fibers



STRENGTHENS

Helps stabilize
remaining
sound wood



PRESERVES

Supports
restoration
instead of
replacement



RESTORATION PROCESS

Rebuilding the Missing Wood

Once the remaining wood was strengthened, **WRP Epoxy Dough** was used to replace the missing sections of the column.

The repair material was carefully applied, shaped, and bonded to the existing wood, allowing the original member to be restored while preserving as much of the sound wood as possible.



REBUILD

Replace missing wood—not the entire column



BOND

Creates a durable repair integrated with the existing wood



RESTORE

Preserve original structural members whenever possible



RESTORATION PROCESS

Shaping the Repair to Match the Original Wood

After the column was rebuilt, **WRP Topping Compound** was applied to refine the surface and restore the original profile.

This step allows the repair to be shaped, detailed, and blended into the surrounding wood before final finishing.



REFINE

Create smooth transitions



SHAPE

Match the original profile



PREPARE

Ready for final finishing



RESTORATION COMPLETE

Ready for Primer and Paint

Once the repair was fully shaped and refined, **WRP Topping Compound** was applied to smooth and prepare the surface.

The completed restoration blended seamlessly with the original wood, preserving the existing structure while avoiding unnecessary replacement.

PROJECT OUTCOME



RESTORED

Original
architectural
appearance



PRESERVED

Existing
structural
member



READY

Prepared for
finishing



PROJECT COMPLETE

Restored to Last. Built to Preserve.

The Puamana Homeowners Association project demonstrates how thoughtful restoration can preserve existing wood, extend service life, and reduce the need for costly replacement.

Through planning, professional training, and the WRP Wood Restoration System, the community restored damaged wood while preserving the character of its original architecture.



97

Unit Community



\$1.4 Million

Estimated Replacement
Costs Avoided



On-Site
Technician Training



**Restore More.
Replace Less.**

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