

## 2024 MCAH Scholarship Golf Tournament Sold Out

We are grateful for the companies and organizations that responded so quickly to reserve a team. However, we have sponsorship opportunities! Please contact Lisa at [lisa.masonryhawaii@gmail.com](mailto:lisa.masonryhawaii@gmail.com) if you are interested in becoming a sponsor.



### 44th Annual MCAH Scholarship Golf Tournament



Honolulu Country Club

Golf *for* Our Cause

Friday, April 26, 2024

SAVE  
THE  
DATE

**SOLD OUT!**

A Benefit for our Scholarship & Educational Programs



MASONRY INSTITUTE  
OF HAWAII

PROJECT  
OF THE  
YEAR



The recipient of the MIH Project of the Year was announced on Wednesday, March 6, 2024 at the Honolulu Country. More to come!

ASSOCIATION FOR  
**LEARNING ENVIRONMENTS**  
 Enhancing the Educational Experience

**Cultural Crossroads in Education**

The MIH is proud to be a Silver Sponsor of the West Region Conference to be held on April 9-12, 2024 at the Hilton Hawaiian Village Resort / Tapa Conference Center.

The event brings together a concentrated network of national and international educational design professionals, policymakers and program leaders dedicated to advancing the field of education environments and improving the lives of children and families.

The attendees come seeking professional development, as well as new opportunities to extend and strengthen the reach of local and federal design networks. Attendees are constantly gaining knowledge and skills, sharing multiple practices and networking with educational design professionals from around the world.

**BUILDING INDUSTRY HAWAII**

Our contributing members as well as the MIH received excellent coverage in the January issue of the Building Industry Hawaii magazine. The article featured Hawaiian Cement and Tileco Inc. as the

associate editor attended our plant tours at both businesses which was hosted by the MIH in July and October 2023.

We are grateful to the support that the MIH receives from the media and members!



**BUILDING BLOCKS & BREAKING ROCKS**  
 Flexibility and consistency are key for Hawaii's cement industry  
 BY PAULA BENDER

**S**ince 1967, Tileco Inc. on Hanalei Street in Kapolei has served O'ahu as a proven and dependable supplier of concrete and masonry goods. Laded with generating products so extensive — including standard concrete masonry units (CMU) of all shapes and sizes, various blocks, tiles and pavers that are glazed, colored and shipped to order, and grades of sand — Tileco remains flexible when it comes to providing solutions for both big and small projects statewide.

According to its website, Tileco's full product line is available to everyone — from general contractors, landscapers and masonry companies to do-it-yourselfers building backyard waterfalls, raised garden beds and other home projects.

After Tileco's products are purchased, packaged, baled, washed, polished and shrink-wrapped, water used in production is recycled with

shovels and brooms helping to capture runover aggregates, which eventually get sent back to the production line.

**THREE GENERATIONS OF SAKAMOTOS**  
 Tileco is a company with a legacy. Established by Richard Sakamoto in the 1960s, son Dennis Sakamoto steered with the company in a laborer at 16 years old. Leanne Ogata, the third generation in the family business, serves as vice president and COO, while father Dennis is president and CEO.

Ogata joined the business in 2015 after graduating from the University of Hawaii at Manoa with a degree in civil engineering and minor in business administration. These days, she's all about the science of concrete.

Tileco's Owen Teodoro and Leanne Ogata discuss aggregate that is used by reusing with a water pump & recent plant tool, part of MIH's 2023.

Concrete blocks and tiles are produced by Tileco using a pigment and glass inclusions.  
 PHOTO BY PAULA BENDER

www.buildingindustryhawaii.com



**HAWAIIAN CEMENT**  
 Hawaii Valley quarry Supervisor Ivan MCKEY, middle, explains new some of the company's machinery used in the mining and extraction of aggregate.  
 PHOTO BY PAULA BENDER

**CONCRETE, CEMENT DEMANDS SKYROCKET ON RAIL PROJECT**  
 One of the biggest projects currently using the lion's share of concrete and cement is the Honolulu Authority for Rapid Transportation (HART) Skyline project.

McCarry says the Hawaii's concrete industry currently uses a Type 30 concrete (highly portland cement with plants to transport to a Type II cement [a blend of portland cement with limestone] in the near future. Cement is powder used as a binding ingredient in concrete.)

"For instance, although there is no difference in the concrete used for HART and building construction, the concrete for HART differed from concrete used in buildings to allow for some of the flowability

processing system encompasses a variety of CEMEX manufactured solutions, including an M4500 modular walk plant and an AggMax 215 Separator, as well as an AquaCylc thickener that recycles the majority of water used.

The Hawaii Valley plant is currently producing up to 345 total petroleums hydrocarbons of aggregate used in Hawaiian Cement's concrete products, comfortably meeting the monthly aggregate demand of 60,000 tons.

"I think it's been three years now since we ordered any major equipment," says WEL Mason, a representative at the Hialeah quarry, referring to the wet processing system. "We have things here and there, but nothing that can't be fixed right away. The C300 guys may prefer fast when we need something, but we very seldom have issues with the plant. It means itself really well as far as productivity."

**PREORDERING CEMENT**  
 Hawaiian Cement customer service representatives can help contractors determine what is necessary for reviewing project specifications and building plans for any given project.

"For specialty items and homeowner requests, our qualified staff is happy to help through collaboration and asking the right questions to make sure their needs are fulfilled," says McCarry. "The design professional often crafts the specification with certain properties in mind and conveys that to the supplier. The supplier then meets those requirements with their expertise in concrete mix design.

"Suppliers may also make recommendations based on past experience with other similar projects or by learning about the application and

Several strength of concrete is determined by ASTM C78, or the "Standard Test Method for Flexural Strength of Concrete" in which ready-mix concrete is sampled and cast into 6-inch by 6-inch by 22-inch beam tests.

The beams are then stripped, cured, and placed in testing equipment that provides three-point loading to flex the beam until it breaks. The load rate of force applied to the beam is recorded, which is then converted to determine flexural strength.

"Many factors affect the flexural strength of concrete. Concrete performs best in compression. Most concrete designs include reinforcement where the strength of each material complements each other to achieve the desired result," McCarry says.

**TESTING FOR FLEX**  
 The requirements mentioned are all mentioned by the American Society for Testing and Materials (ASTM), with ASTM International serving as a developer of voluntary consensus standards.

Several strength of concrete is determined by ASTM C78, or the "Standard Test Method for Flexural Strength of Concrete" in which ready-mix concrete is sampled and cast into 6-inch by 6-inch by 22-inch beam tests.

The beams are then stripped, cured, and placed in testing equipment that provides three-point loading to flex the beam until it breaks. The load rate of force applied to the beam is recorded, which is then converted to determine flexural strength.

"Many factors affect the flexural strength of concrete. Concrete performs best in compression. Most concrete designs include reinforcement where the strength of each material complements each other to achieve the desired result," McCarry says.

Hawaii Valley Quarry Supervisor WEL MASON, left, explains during a recent tour of the quarry.  
 PHOTO BY PAULA BENDER

46 | BUILDING INDUSTRY HAWAII | JANUARY 2024

Congratulations to Leanne Ogata from Tileco Inc.

# Power Movers: The A-Team

*Building Industry Hawaii's* inaugural 'Power Movers to Watch' class

is an all-star list of local talent!



Leanne Ogata, vice president and COO of Tileco Inc., is the third generation of her family to work in the company established by her grandfather, Richard Sakamoto, in 1967.

December 2023 Issue

## ASSOCIATION CONFERENCES

2024



September 26–28, 2024  
Aulani Resort & Spa



October 10–11, 2024  
Fairmont Orchid Waikoloa

# It's Tee Time!

The MCAH established a new MCAH Golf Club in 2023 and expectations were exceeded with approximately 40 members! The club provides an opportunity to partake in a social sport to promote the masonry industry, nurture camaraderie and develop relationships with stakeholders, decision makers, designers, engineers, politicians and others that have a viable interest in the mason construction business. Guests are treated to complimentary green fees, gift and 19th hole pupus. Please consider joining this growing and progressive club to network, conduct business and meet those in your industry.



Photos from club play at Kapolei Golf Club,  
November 2023.