

Andy Crossland PE, LEED AP BD+C

Owner, Principal Mechanical Engineer



As the Owner and Founder of Crossland Engineering, LLC in 2016, Andy is passionate about his work and places high value on quality and accuracy. He is deeply committed to building trusting relationships with his clients by providing exceptional results and personalized, caring service.

With a progressive approach to the design of building systems and a true commitment to core sustainability ethics, Andy provides energy efficient and sustainable solutions for the built environment from a holistic perspective. Andy has proven himself to be a leader in his field and is distinguished by consistently delivering successful projects with over 12 years of experience in Hawaii since 2010 and proven expertise in project design, planning, execution, and management.

Over the course of Andy’s career, he has also gained extensive knowledge of Building Energy Modeling and Simulation, which has aided in the design of many outstanding, energy efficient, award winning, and LEED-certified buildings. Andy possesses over 20 years of experience with AutoCAD and remains at the forefront of new industry techniques by achieving a high level of proficiency in Building Information Modeling (BIM) with Revit MEP.

Credentials	Licensed Professional Engineer	June 2014
	Hawaii Board of Professional Engineers	License 16028
	LEED Accredited Professional: Building Design + Construction	October 2012
	Green Building Certification Institute	License 10775325
Education	University of Central Florida	August 2004 – December 2008
	Bachelor of Science in Mechanical Engineering: Energy Systems	Orlando, FL
	Edgewater High School	August 2000 – May 2004
	Engineering, Science, and Technology Magnet; National Honor Society	Orlando, FL
Honors	Eagle Scout Award	September 2003
	Boy Scouts of America; Troop 225	Windermere, FL
Projects	LEED & Energy Efficiency	
	University of Hawaii Cancer Center	Honolulu, HI
	University of Hawaii Information Technology Building	Honolulu, HI
	University of Hawaii West Oahu Campus	Kapolei, HI
	University of Hawaii Community College Culinary Institute of the Pacific	Honolulu, HI
	Hawaii Pacific University Campus at Aloha Tower Marketplace	Honolulu, HI
	Hawaii Convention Center: Cooling Tower Replacement	Honolulu, HI
	Kapolei Police Station: Air Handling Unit and Chiller Replacement	Kapolei, HI
	Skyline Eco-Adventures Headquarters	Kahului, HI
	Windward Community College	Kaneohe, HI
	USS Arizona Memorial Visitor Center Renovations	Honolulu, HI
	PJKK Federal Building & US Courthouse Renovations	Honolulu, HI
	‘Iolani School: Sullivan Center for Innovation and Leadership	Honolulu, HI
	Hawaii Baptist Academy High School: Art and Science Building	Honolulu, HI
	West Hawaii Explorations Academy: Hawaii Ocean Science & Technology Park	Kailua-Kona, HI
	Stevenson Middle School: Science and Technology Center	Honolulu, HI
	King Kekaulike High School: Performing Arts Center	Pukalani, HI
	Ka’anapali Ali‘i Resort: Chiller and Hot Water Plant Replacement	Lahaina, HI
	Aston Mahana at Ka’anapali: Chiller and Hot Water Plant Replacement	Lahaina, HI
	Nauru Tower: Chiller and Hot Water Plant Replacement	Honolulu, HI
Honolulu Park Place: Chiller and Hot Water Plant Replacement	Honolulu, HI	
Hickam Air Force Base: Zero Net Energy Maintenance Facility	Hickam AFB, HI	
ENERGY STAR Certification as Licensed Professional at Various Buildings	Honolulu, HI	

Projects

Multi-Family Residential: Existing

The Villa on Eaton Square: Chilled Water and Hot Water Equipment Replacement	Honolulu, HI
Queen Victoria Residences: Hot Water Equipment Assessment and Replacement	Honolulu, HI
Imperial Plaza: Booster Pump and Hot Water Equipment Assessment and Replacement	Honolulu, HI
One Archer Lane: Booster Pump Equipment Replacement	Honolulu, HI
Admiral Thomas Apartments: Chilled Water Pump Replacement	Honolulu, HI
Kapiolani Royale: Booster Pump and Hot Water Equipment Replacement	Honolulu, HI
Nauru Tower: Chiller and Hot Water Plant Replacement	Honolulu, HI
Honolulu Park Place: Chiller and Hot Water Plant Replacement	Honolulu, HI
Kalele Kai: Energy Audit and Chiller Plant Replacement Assessment	Honolulu, HI
Wailana at Waikiki: Low Zone Hot Water Plant Replacement	Honolulu, HI
Windward Cove: Air-Conditioning Assessment and Installation Standards Manual	Kailua, HI
The Senior Residence at Iwilei: Solar Hot Water System Assessment	Honolulu, HI
Honolulu Fire Department Life Safety Evaluations at Various Buildings	Honolulu, HI
Cast Iron Waste Piping Assessment and Replacement at Various Buildings	Honolulu, HI

Multi-Family Residential: Renovation & New Construction

Hawaii Pacific University Student Apartments at Aloha Tower Marketplace	Honolulu, HI
Kokua Elderly Tower Affordable Housing Apartments	Honolulu, HI
Hawaii City Plaza Condominium Tower	Honolulu, HI
Hawaii Ocean Plaza Condominium and Hotel Tower	Honolulu, HI

Hospitality

Ka'anapali Ali'i Resort: Chiller and Hot Water Plant Replacement	Lahaina, HI
Aston Mahana at Ka'anapali: Chiller and Hot Water Plant Replacement	Lahaina, HI
Aston Maui Ka'anapali Villas: Chiller Plant Replacement	Lahaina, HI
Wailea Beach Marriott: Hot Water Plant Replacement	Kihei, HI

Education

University of Hawaii Information Technology Building	Honolulu, HI
University of Hawaii West Oahu Campus	Kapolei, HI
University of Hawaii Community College Culinary Institute of the Pacific	Honolulu, HI
West Hawaii Explorations Academy: Hawaii Ocean Science & Technology Park	Kailua-Kona, HI
Hawaii Pacific University Campus Classrooms at Aloha Tower Marketplace	Honolulu, HI
'Iolani School Sullivan Center for Innovation and Leadership	Honolulu, HI
Hawaii Baptist Academy High School: Art and Science Building	Honolulu, HI
Stevenson Middle School: Science and Technology Center	Honolulu, HI
King Kekaulike High School: Performing Arts Center	Pukalani, HI
Kamehameha Schools Kapalama Campus: Elementary School A/C Upgrades	Honolulu, HI

Government

Kapolei Police Station: Air Handling Unit and Chiller Replacement	Kapolei, HI
PJJK Federal Building & US Courthouse Renovations	Honolulu, HI
Hilo Federal Building, U.S. Post Office, and Courthouse Renovations	Hilo, HI
Hickam Air Force Base: Zero Net Energy Maintenance Facility	Hickam AFB, HI
NAVFAC Solar Water Heating Upgrades at Various Buildings	Honolulu, HI
Hawaii DAGS Energy Savings Upgrades at Various Buildings	Hawaiian Islands
NASA Infrared Telescope Facility A/C Upgrades	Mauna Kea, HI

Healthcare

University of Hawaii Cancer Center	Honolulu, HI
Hale Pāwa'a Medical Building	Honolulu, HI
Wahiawa Medical Building	Wahiawa, HI
Kahuku Medical Clinic	Kahuku, HI

Restaurant

The Old Spaghetti Factory at Aloha Tower Marketplace	Honolulu, HI
Pier 9 by Sam Choy at Aloha Tower Marketplace	Honolulu, HI

Commercial Office

Pacific Park Plaza: Cooling Tower Equipment Replacement	Honolulu, HI
HMSA Kea'au Branch Office	Kea'au, HI

Retail

Rip Curl Store at Whalers Village	Lahaina, HI
Foodland Super Markets at Kapolei and Kehalani Village Centers	Kapolei and Wailuku, HI

Single-Family Residential

Air-Conditioning, Plumbing, and Fire Sprinkler Design for Homes and Condos	Hawaiian Islands
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