



CONSTRUCTION 281: Major Renovations

September 11 - 12, 2018

Pentair Facility • Apopka, Florida

Join us for this two-day Major Renovation Design School that will present a series of short, targeted lectures linked together by an interactive renovation design project. Beginning with client interview and site reconnaissance information, the students will be guided by leading industry experts to document project-specific details considering everything from materials to liability concerns. Students will choose one of three different projects to develop.

Learning Objectives:

- Develop a complete renovation project from site reconnaissance to troubleshooting, failures and creating a first draft design.
- Establish the work scope including design, material selection, structural engineering, mechanical systems, and construction considerations.
- Understand the nuances of proper renovation work and examine images that will inspire, illustrate, and explain the key topics.
- List key renovation considerations including codes, standards, contracts, liability, contingency, and other constructability issues.

Thanks to our event sponsor, **Pentair**, students will have the opportunity to tour two facilities during our event in Apopka.

PAES W.A.T.E.R

Take part in a tour of our World Aquaculture Technology, Engineering and Research (W.A.T.E.R) center. This climate-controlled facility is used for demonstration and testing of Pentair's innovative design methods, technologies, equipment, and operating procedures for Recirculating Aquaculture Systems. (R.A.S.) Learn more by visiting www.paeswater.com.

Production Facility

Walk through the Apopka production facility and see how equipment designed to meet the needs of aquaculture facilities (such as drum filters, bead filters, and fish pumps) as well as commercial and residential pools (such as Stark sand filters and UV filters) is being produced. From raw material to finished goods, a complete fabrication, assembly, and testing process can be viewed within our four walls.

Before



After



Images provided by: Drakeley Pool Company

Price: **\$2,300** (tuition includes all materials, breakfast and lunch each day and a group dinner one night)

Deadline to register: August 1 at www.genesis3.com

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Instructors



William T. Drakeley, Jr., ACI, SWD® Master

Drakeley is principal and founder of Drakeley Pool Company, a luxury design and build firm based in New England, and Drakeley Industries, an international consulting firm focusing on shotcrete applications and techniques, notably providing training for the New York City Metropolitan Transit Authority underground tunneling projects. Bill is the first and only pool builder to sit as a Voting Member of the American Concrete Institute's (ACI) Committee 506 – Shotcrete and serves as Secretary of ACI C660 Nozzleman Certification Task Group. Bill is also sitting President of the American Shotcrete Association (ASA) and the Chairman of the ASA's Pool and Recreational Shotcrete Committee.



David J. Peterson, P.E., SWD® Master

Peterson is President/CEO of Watershape Consulting, Inc., an international planning, design, and engineering firm providing owners, architects, contractors, and the legal profession with services relating to residential, commercial, and institutional pools, spas, and water features. He obtained his B.S. Civil Engineering at Cal Poly, San Luis Obispo and is a licensed engineer in several states. Peterson has been in the watershaping industry since 1994 when he began his career designing life support systems for large aquariums and marine mammal exhibits. He was Vice President Engineering at Polaris Pool Systems where he developed and patented several products. He is a prolific writer and is actively involved with trade organizations and code development.

Thank you to our Event Sponsor



Accreditation

1.6 IACET CEUs
APSP University: 16 Continuing Education Hours
Pending State of Florida CILB Approval



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