



Beyond Part 9 - Practical Real Life Structural Solutions to Unique Architecture

Moderator(s): Amanda Nowell

DATE: Tuesday, October 1st, 2024 TIME: 1:40 pm

LOCATION: Salon D,D1

GUEST SPEAKERS: Heather Cameron - Tacoma Engineers, Nick Lawler - Tacoma Engineers

DESCRIPTION: Four short presentations followed by Q and A sessions:

1. Lateral Loads in Part 9 Wood Buildings – Shear walls, moment frames, and cantilevered diaphragms will be discussed as structural solutions to modern open concept living.
2. Advanced/Extreme Framing Challenges – Structural solutions for extreme cantilevers and other unique architectural designs.
3. Exterior Basement Stairs – Structural, frost, and drainage considerations in retrofit applications. Photos and drawing details will be shared.
4. Bench Footings and Underpinning – The risk, the solutions, and real project examples.

BIOGRAPHY: Heather Cameron, Associate, P.Eng.

Heather is a structural engineer and has been a member of the Tacoma Engineers team since 2011.

Heather's background in Engineering and Management gives her a deeper appreciation for customer service, project management, and leadership.

She has extensive experience with residential projects of all types and sizes from home renovations to high-end custom homes. Her expertise lies in finding builder-friendly practical solutions.

BIOGRAPHY: Nick Lawler, M.A.Sc., PE, P.Eng., CAHP

Nick is a Senior Associate and structural engineer, providing structural design services for a wide variety of projects.

Nick maintains a focus on investigations, and heritage structures with a keen interest in adaptive reuse and masonry restoration projects.

Since 2018 Nick has been located in Tacoma's Waterloo office, where he continues to provide services to new and existing clients located in that region and beyond.

Nick worked for four years as a structural engineer in Michigan, where he obtained his PE license.

Nick joined Tacoma Engineers in 2012.