



SUMMARY

Carrie Krause holds a bachelor's degree in mechanical engineering from the University of Washington and has been working in the consulting engineering field in the Seattle area since 1990. With a broad background in varied project roles, she brings extensive experience in the design of fire protection systems for both new and existing facilities.

Over the years Carrie has become versed in all phases of a project from scope definition and planning, to design and document development, on through construction, to final acceptance. She has acted as project manager and lead engineer for the prime consultant as well as participated as a subconsultant on teams with clients ranging from architects, to owners, to other engineers.

In addition to fire suppression, fire detection and alarm system design, Carrie's projects have included peer design review, field investigation and system studies, hazard analysis, evaluation of new and existing systems and structures, and review and negotiations with building officials. She has worked on a variety of projects including commercial buildings, industrial plants and institutional facilities for both private and public-sector entities.

SPECIALTIES:

- Fire protection consulting and system design
- Dust collection system review and analysis
- Fire and life safety design analysis
- Plan review and compliance evaluation
- Specification development
- Site investigations and surveys

Carrie has participated as an integral player on teams for both design-bid-build projects and design-build projects. She has worked closely with many contractors on a broad variety of assignments and is uniquely suited to introduce insights informed by that experience into the planning phase. Her ability to look at each project from outside the box and willingness to ask questions has enabled design teams to circumvent constructability obstacles upfront and identify significant cost savings.

As an integral part of multiple design-build teams, Carrie has served as the Contractor's Quality Control Fire Protection Engineer (CQC FPE) on various projects, overseeing design and installation of fire and life safety components. Other areas of expertise include the design and layout of HVAC systems and plumbing and piping design, systems modeling for energy consumption analysis, as well as the interpretation and application of building and fire codes.

EDUCATION

- **University of Washington, Seattle, WA**
B.S., Mechanical Engineering (1990)

REGISTRATION

- **Fire Protection Engineer**
Washington (2004)
- **Mechanical Engineer**
Washington (1995)

EXPERIENCE

901 Fifth Ave Office Building
Seattle, WA

Allpak Container
Renton, WA

Alternate Fueling Station
JBLM-Fort Lewis, WA

Aluminum Dust Collection
Tukwila, WA

EGWW Federal Building
Portland, OR

Expedia Tower 333
Seattle, WA

Fishermen's Terminal
Seattle, WA

Green Mountain Coffee Roaster
Sumner, WA

NAVFAC Northwest IDIQ
Pacific Northwest

Pinehurst & Wedgewood Safeway
Seattle, WA

Redmond Town Center
Redmond, WA

USCG Base Support Unit
Kodiak, AK

UW Balmer Hall
Seattle, WA

UW Tower Data Center
Seattle, WA

AFFILIATIONS

- National Fire Protection Association (NFPA)