

# Walker Oneill

## Associate, Structural Engineering

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### STRENGTHS



#### Creativity

Consistently explored innovative options in challenging projects, benefiting from artistic approaches alongside logistical considerations.



#### Technical Expertise

Possess a vast understanding of structural engineering principles demonstrated through practical application in multiple environments.



#### Client Engagement

Proactively facilitated ongoing communications with clients, leading to strengthened trust and successful project clarifications.



#### Mentorship

Engaging with junior engineers fueled both their growth and personal satisfaction, forming a richer workplace culture rooted in collaboration.



#### Project Management

Led numerous teams effectively, establishing focused goals and achieving timely completions under budget constraints, ensuring consistent quality.

### SKILLS

Structural Engineering

Timber Engineering

Seismic Design

Finite Element Analysis

Project Management AutoCAD

Rhino ETABS SAP2000

Team Leadership Field Review

Cost Estimation

Engineering Reporting

Calculations Client Relations

Sustainable Design

### SUMMARY

Dynamic structural engineer with over a decade of experience in the industry. Specializes in timber engineering and seismic design, leading teams to create efficient and innovative project solutions. Skilled at collaborating with architects to achieve practical designs that align with client needs. Proficient in using both American and Canadian building codes. Extensive hands-on expertise with Finite Element software and 3D modeling tools such as Rhino and ETABS. Strong commitment to mentoring junior engineers fostered an environment of continuous learning and technical development.

### EXPERIENCE

#### Senior Structural Engineer

Innovative Structures Inc. 📅 January 2021 - Present 📍 Seattle, WA

Lead structural engineer for large-scale timber projects, combining management responsibilities with technical execution. Drives quality control and fosters collaboration between multiple teams to ensure projects are well-coordinated and delivered on schedule.

- Pioneered innovative design solutions for mass timber structures, ensuring adherence to applicable codes while pushing creative boundaries.
- Managed diverse teams, including engineers and drafters, effectively synchronizing workflows to meet stringent project deadlines.
- Facilitated client meetings and discussions, providing expertise on complex structural issues that foster strong client relations.
- Conducted detailed structural analysis and finite element modeling at all project phases, optimizing efficiency during construction.
- Mentored junior engineers, leading to improved technical skills across the engineering team by nurturing knowledge sharing.
- Presented insights at industry conferences, enhancing company visibility while sharing advancements in timber engineering.

#### Structural Engineer

Timber Engineering Solutions 📅 March 2016 - December 2020 📍 Vancouver, BC

Structured comprehensive engineering solutions for various timber projects, actively engaging with stakeholders throughout project lifecycles. Improved processes that underline project success and innovation.

- Delivered high-quality structural designs through collaborations with architects, enhancing functionality while optimizing costs.
- Employed advanced software (e.g., SAP2000, ETABS) for analyzing structural integrity, aligning outcomes with safety standards.
- Regularly conducted site assessments during construction, resolving challenges swiftly and ensuring compliance with initial designs.
- Prepared accurate cost estimates and material take-offs, contributing meaningfully to budgeting efforts for successful project delivery.
- Shared industry knowledge through presentations at conferences, establishing reputation as an expert in timber engineering innovations.

#### Junior Structural Engineer

Green Building Associates 📅 June 2013 - February 2016 📍 San Francisco, CA

Supported senior engineers in designing sustainable timber structures that adhere to environmental standards while integrating cost-effective methodologies into projects.

- Contributed to the design of eco-friendly structures by applying appropriate material selections, ensuring compliance with sustainability goals.
- Executed field inspections, bolstering quality assurance and maintaining alignment with approved specifications.
- Developed skills in producing accurate drawings and documentation, thereby reducing rework and enhancing project precision.

## LANGUAGES

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English Native

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Spanish Intermediate

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## MY CAREER

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● Senior Structural Engineer at Innovative Structures Inc. (5.5 Years)

● Structural Engineer at Timber Engineering Solutions (4.8 Years)

● Junior Structural Engineer at Green Building Associates (2.7 Years)

- Participated in client engagement sessions, further developing communication abilities while addressing technical inquiries effectively.
- Engaged in ongoing training to enhance proficiency in relevant engineering software, resulting in higher performance levels.

## LEADERSHIP & AWARDS

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- Outstanding Young Engineer Award, Oregon Engineering Society, 2022
- Best Paper Award at Northwest Timber Conference, 2021

## EDUCATION

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### Master's Degree in Civil Engineering

University of Oregon 🎓 GPA: 3.7 📅 2021 📍 Eugene, OR

**Coursework:** Design Principles, Structural Analysis, Timber Engineering, Seismic Design

## CERTIFICATIONS

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- Professional Engineer (PE) 📅 2021
- Seismic Design Certification 📅 2018

## TECHNICAL SKILLS

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- **Software Tools:** AutoCAD, ETABS, SAP2000
- **Modeling Software:** Rhino, Grasshopper
- **Analysis Software:** Finite Element Analysis, R-FEM
- **Project Management Platforms:** Trello, Asana
- **Communication Tools:** Zoom, Microsoft Teams, Slack
- **Reporting Tools:** Excel, Word, PowerPoint
- **Quality Assurance Methods:** Code Review, Peer Feedback
- **Budgeting Software:** QuickBooks, Microsoft Project
- **Building Codes Knowledge:** Canadian Codes, US Codes, European Codes
- **Sustainability Practices:** LEED Standards, Green Practices

## PROFESSIONAL AFFILIATIONS

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- Member, American Society of Civil Engineers (ASCE)
- Volunteer Mentor, Engineering Explorers Program

## ADDITIONAL INFORMATION

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**Work Status** : Authorized to work in United States. No sponsorship required.

## REFERENCES

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AVAILABLE ON REQUEST