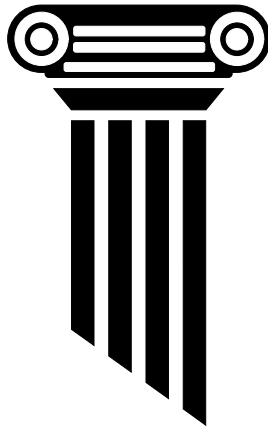


# STATEMENT OF QUALIFICATIONS

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STRUCTURAL ENGINEERING

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**PILLAR  
CONSULTING  
GROUP, INC.**

[www.pillar-inc.com](http://www.pillar-inc.com)

**Pillar Consulting Group, Inc.**  
1600 SW Western Blvd, Suite 290  
Corvallis, Oregon, 97333

Phone: (541) 752-9202  
Fax: (541) 752-2587  
[info@pillar-inc.com](mailto:info@pillar-inc.com)

## EXECUTIVE SUMMARY

Pillar Consulting Group, Inc. is qualified to act as the Structural-Engineer-of-Record for commercial and industrial buildings and non-building structures. The firm employs engineers licensed as Registered Structural Engineers in both Oregon and California, with over 20 years of combined experience. We have been providing structural engineering services to clients since 1997.

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## COMPANY PROFILE

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Pillar Consulting Group, Inc. is a consulting firm specializing in professional engineering and project management. Our firm is founded by individuals with a vision to combine academic engineering research, practical engineering, and personal relationships into a high quality, beneficial experience for the client and professional.

The founders and active principals have civil engineering and mechanical engineering degrees and continue to take advanced level courses, as well as teach courses, at Oregon State University. We are convinced that our core value of continuing education produces a stronger work environment, which in turn produces better solutions for our clients. We pride ourselves on providing technically sound solutions and solid engineering expertise for our clients and for the general public.

In keeping with our founding vision of producing a high quality experience for the client and professional, we feel it is of utmost importance to develop a personal relationship with our clients. To this end, every client is personally served by one of the firm's principal engineers designated as the "principal-in-charge". The principal-in-charge is a "single-source" contact for the client to obtain answers and personal service from our firm. The principal-in-charge is responsible for managing all phases of a project from start to finish, which ensures a seamless project for our client. Likewise, we are committed to maintaining excellent relationships with regulatory and public agencies. We feel our strong commitment to solid relationships with all people involved in a project is vital in terms of business, as well as overall personal well being.

A strong core value and strategy at Pillar Consulting Group is our commitment to use technology as a competitive advantage. Each of our engineers has the highest quality computer workstations with full access to engineering design and drafting software as well as communication software. We utilize civil and structural engineering software packages to increase the efficiency, and ultimately the economy, of our designs. We are able to use design software to evaluate multiple alternatives to ensure the best design possible in the shortest period of time. All project drawings are created using the latest Computer Aided Design software including 3-Dimensional modeling and Building Information Modeling (BIM). We generate electronic files that can easily be transferred and used by vendors as well as clients. We communicate with clients and transfer files using multiple tools including email, Skype, and our secure website for hosting of larger files.

Our organization of professionals is dedicated to providing superior service and personal attention on each project. We believe that by implementing our founding vision and core values, we will provide our clients with a high quality product and enjoyable experience.

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## FIRM QUALIFICATIONS

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Our firm is qualified to perform many facets of structural engineering and related construction administration services. In addition, we have strategic relationships with other professionals outside our expertise to expand our project capabilities so we can complete or manage virtually every aspect of a project. Pillar Consulting Group has in-house expertise in the following areas of structural engineering:

### **Structural Steel**

- Commercial buildings
- Industrial buildings
- Towers, bins and silos
- Seismic bracing systems

### **Wood & Timber**

- Multi-family development
- Commercial buildings
- Industrial pipe bridges
- Repair & renovation

### **Reinforced Concrete**

- Tilt-up concrete
- Industrial buildings
- Secondary containment
- Foundations & retaining walls

### **Masonry**

- Retail development
- Industrial buildings
- Fire walls & sound barriers
- Structural brick & veneers

### **Cold Formed Steel**

- Commercial buildings
- Curtain walls & cladding
- Fire walls
- Additions & renovations

### **Pre-Engineered Metal**

- Industrial buildings
- Warehousing & manufacturing
- Additions to existing buildings
- Repair & strengthening

### **Foundations**

- Deep foundations
- Shallow foundations
- Mat foundations
- Industrial machinery

### **Seismic Rehabilitation**

- Unreinforced masonry buildings
- Plain concrete buildings
- Development of testing programs
- Structural steel retrofit systems

Pillar Consulting Group, Inc. is very proficient in the use of computerized methods to perform advanced structural analysis and design. We have developed hundreds of finite element models for structures ranging from multi-story commercial buildings to non-building industrial structures such as towers and silos. Our engineers have experience in advanced seismic design, employing static, dynamic and non-linear methods. We maintain an extensive library of current standards and codes, and are committed to the continuous improvement of our knowledge through continuing education and training.

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## SAMPLE PROJECTS

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Pillar Consulting Group has an outstanding reputation for providing excellent engineering and project management services on a diverse range of projects. As a result of our ability to engineer and manage diverse projects, we have numerous repeat clients and satisfied customers. The following projects provide a representative sampling of our relevant work experience.

The following projects are those which Pillar Consulting Group, Inc. has provided **structural engineering services**.

- **Elements Day Spa, Corvallis, OR**

Civil engineering and structural engineering for 27,500 square foot. 6-story, multi-use building. 0-lot line development.

Client: David Horning Design

Location: 217 S 2<sup>nd</sup> ST, Corvallis, OR

Construction Value: \$16 million



- **Laticrete Facility**

Civil engineering, structural engineering, building design and fire and life safety code review for 80,000 square foot, F-occupancy building with 6000 square foot of offices and a 100' tall process tower.

Client: Confidential

Location: Lebanon, OR

Construction Value: Confidential



- **Peak Sun Technical Center**

Structural engineering, building design and fire and life safety code review for multi-building campus.

Client: Peak Sun Silicon Corporation

Location: Millersburg, OR

Construction Value: \$3.5 million





- **Benton Arena**

Structural engineering, for the renovation of the Benton Arena.

Client: Broadleaf Architecture

Location: Corvallis, OR



- **Third Floor Mixer Deck Replacement**

Structural engineering, and project management for the replacement of the 3<sup>rd</sup> floor mixer deck.

Client: Cascade Pacific Pulp

Location: Halsey, OR

Construction Value: \$110 K



## OTHER PAST STRUCTURAL ENGINEERING PROJECTS

• Wah Chang Ammonia Tank & Piping Restraint	Millersburg	OR
• Thio Berm Cap	Millersburg	OR
• Entek Fiberbed Collector Foundation	Lebanon	OR
• Entek Fiberbed Duct Support	Lebanon	OR
• Bank Building & Country Flowers Review	Condon	OR
• Entek Polyloom Feed Mezzanine	Lebanon	OR
• Clay-Tile Wall Replacemnet Review	Corvallis	OR
• Grating Connection Detail	Hillsboro	OR
• Light Pole Footings for DU Fraternity	Corvallis	OR
• Evanite Misc. Engineering Assistance	Corvallis	OR
• PCT Argon Tank Support @ Heat Treat	Albany	OR
• Entek Bldg. #2 Column & Brace Relocation	Lebanon	OR
• Entek Teklon Building Column Removal	Lebanon	OR
• Wah Chang Switchgear Platform	Millersburg	OR
• Evanite UPC Area Wall Repair #2	Corvallis	OR
• Wah Chang Hf. Chlor. Electrical Room Support	Millersburg	OR
• Entek 2-Ton Bridge Crane Addition @ Bldg #2	Lebanon	OR
• Entek Cooling Tower Foundation/Seismic Calcs	Lebanon	OR
• 1835 NW Kings Addition Investigation	Corvallis	OR
• Synthetech Clean Dryer Room	Albany	OR
• Entek Mezzanine Reconfiguration for Line 8	Lebanon	OR
• Aircraft Sunshades Wind Loads	(multiple)	
• PCT Office/Storage Mezzanine Calculations	Albany	OR
• Helm's Barn	Vancouver	WA
• Wild Birds Unlimited TI	Corvallis	OR
• Entek Line 8 Mix Stand Analysis	Lebanon	OR
• PCT Cooling Water Pit Lid Retrofit	Albany	OR
• PCT Seismic Anchorage	Albany	OR
• Cresent Valley Generator Foundation	Corvallis	OR
• Dust Silo Foundation	Lebanon	OR
• Dust Collector Seismic Connection	Albany	OR
• Dust Collector Duct Seismic Connection	Albany	OR
• Crane Runway Connection	Hillsboro	OR
• Wah Chang MIBK Berm	Albany	OR
• Coast-to-Coast Building	Condon	OR
• Elks Club	Condon	OR
• EMI Bldg. #2 Expansion	Lebanon	OR
• White Residence Retaining Wall	Philomath	OR
• Line 8 Hanging Partition, Entek	Lebanon	OR
• Intel Platform	Hillsboro	OR
• Longview Tower Construction Engineering	Longview	WA
• Nash Hall Floor Study	Corvallis	OR
• Teklon Pipe Bridge	Lebanon	OR
• WOU Todd Hall Elevator Tower Mat Foundation	Monmouth	OR
• Teklon Mix Stand	Lebanon	OR
• Community Park Backstop & Bridges	Salem	OR
• Teklon Exterior Equipment Foundations	Lebanon	OR
• Teklon PAQ Foundation at Building #1	Lebanon	OR
• Plan Review for City of Albany - Railroad Buildings	Albany	OR

• Plan Review - LBCC Multi-Purpose Building	Linn County	OR
• Intel Pipe Bridge Connection Detail	Hillsboro	OR
• Water Tank Foundation	Halsey	OR
• Plan Review - UPRR Buildings	Albany	OR
• Plan Review - LBCC Activities Center Building	Linn County	OR
• Weyco Truss	Albany	OR
• Teklon Tower Strut Splice	Lebanon	OR
• Wax Area Upgrade	Albany	OR
• Entek SLA Berm	Lebanon	OR
• Western Warehouse Design	Lebanon	OR
• PCT Bridge Crane	Albany	OR
• Modular Unit	Lebanon	OR
• Teklon Modular Unit	Lebanon	OR
• Bldg #71 Torit Filter Unit Foundation	Millersburg	OR
• Bldg #74 Crane Capacity Increase Study	Millersburg	OR
• Line 8 Air Stripper Dog House	Lebanon	OR
• 10,000 Gallon Oil Tank Foundation	Lebanon	OR
• Furnace #1 Fall Protection	Albany	OR
• Chemill Monorail Structural Review	Albany	OR
• OMI Construction Engineering	McMinnville	OR
• Wax Drying Frame Analysis	Albany	OR
• OMI Architectural Precast Engineering	McMinnville	OR
• Wah Chang Hot Mill Floor Plate Investigation	Millersburg	OR
• Wastewater Plant Structural Plan Review	Albany	OR
• Gerding Residence LFRS	Benton County	OR
• Entek Rail Fall protection review	Lebanon	OR
• OSU Foundation Building - New Door Opening	Corvallis	OR
• Chemill monorail Beam Design	Albany	OR
• Wah Change Hot Mill Floor Replacement	Millersburg	OR
• Ammonia Column Foundation Retrofit	Millersburg	OR
• OSU Foundation Building Window Opening	Corvallis	OR
• Water Street Market Seismic Evaluation	Corvallis	OR
• St. Vincents Stair	Washington County	OR
• Concrete Condition Study	Halsey	OR
• Laticrete Process Tower	Lebanon	OR
• CHS MPR Remodel Construction Administration	Condon	OR
• Pulp Mill Concrete Repair	Halsey	OR
• P&T Boiler Rebuild Grillage	Halsey	OR
• #5 Cooling Tower Pump House Modifications	Millersburg	OR
• Sand & Coke Silo Structural Analysis	Millersburg	OR
• Shop Mezzanine	Condon	OR
• Building 12 Remodel for New Scrubber Equipment	Millersburg	OR
• Reconfiguration of Teklon Tower Bracing	Lebanon	OR
• Hotel Condon Pantry Addition	Condon	OR
• LBCC Media Services Building Cracks	Linn County	OR
• HX-2 Support Stand	Eugene	OR
• Wax Crane Layout & Mezzanine Remodel	Albany	OR
• 6' Retaining Wall at Garage	Benton County	OR
• Oil Tank Maint. Cover & Containment Berm	Lebanon	OR
• Corvallis Aero Service Mezzanine	Corvallis	OR
• Laticrete Tower Additions	Lebanon	OR



• <b>Alvac Forge Foundation Repair Peer Review</b>	<b>Albany</b>	<b>OR</b>
• <b>Concetrated HCl Tank Facility</b>	<b>Millersburg</b>	<b>OR</b>
• <b>Building 79 Expansion</b>	<b>Millersburg</b>	<b>OR</b>
• <b>Fan Support Platform</b>	<b>Lebanon</b>	<b>OR</b>
• <b>Casting Furnace #4</b>	<b>Albany</b>	<b>OR</b>
• <b>2nd ST Header</b>	<b>Fossil,</b>	<b>OR</b>
• <b>AST Conveyor Deck Modification</b>	<b>Millersburg</b>	<b>OR</b>
• <b>Bldg #74 Crane Corbel Repair</b>	<b>Millersburg</b>	<b>OR</b>
• <b>Wheelabrator Building Foundations</b>	<b>Millersburg</b>	<b>OR</b>
• <b>2nd and Washington Tier 1 Evaluation</b>	<b>Corvallis</b>	<b>OR</b>
• <b>Benton County Fairgrounds Phase 1</b>	<b>Corvallis</b>	<b>OR</b>
• <b>Sheet Metal Soutions Tangent</b>	<b>Tangent</b>	<b>OR</b>
• <b>Wheelhouse Piling Flood Debris Impact Study</b>	<b>Albany</b>	<b>OR</b>
• <b>Manure Composting Facility</b>	<b>Alsea</b>	<b>OR</b>
• <b>Canby School HVAC Unit</b>	<b>Canby</b>	<b>OR</b>
• <b>OSU Research Flume</b>	<b>Corvallis</b>	<b>OR</b>
• <b>Albany Animal Hospital Notice of Correction</b>	<b>Albany</b>	<b>OR</b>
• <b>Building 12 Door Opening</b>	<b>Millersburg</b>	<b>OR</b>
• <b>Whiteside Theatre Structural Evaluation</b>	<b>Corvallis</b>	<b>OR</b>
• <b>Asher Clinic Expansion</b>	<b>Condon</b>	<b>OR</b>
• <b>2<sup>nd</sup> and Washington Mixed Use Building</b>	<b>Corvallis</b>	<b>OR</b>
• <b>Wah Chang Fitness Center</b>	<b>Millersburg</b>	<b>OR</b>
• <b>Asher Clinic Phase I &amp; II</b>	<b>Condon</b>	<b>OR</b>
• <b>Library Floor Repairs</b>	<b>Condon</b>	<b>OR</b>
• <b>Truck Inspection Catwalks</b>	<b>Arlington</b>	<b>OR</b>
• <b>Coast-to-Coast Building Evaluation</b>	<b>Condon</b>	<b>OR</b>

We have the capabilities to manage architectural services, surveying, geotechnical engineering, traffic engineering, landscaping, mechanical engineering, electrical engineering, and environmental studies. Our comprehensive team of professionals ensures the highest quality on all our projects.

Pillar Consulting Group, Inc. specializes in managing the full spectrum of services required to successfully complete building & facility projects. Technical design, analysis, planning, permitting, bidding and construction administration constitute the core skills of our unique team. We meet challenges with enthusiasm and expertise, and enjoy our work immensely! Please call our office if we can answer any questions regarding our experience or capabilities.

## REFERENCES

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Pillar Consulting Group has many repeat clients and satisfied customers that call upon us regularly to perform engineering and project management. We will gladly provide a list of references relevant to your proposed project upon request.