






GROUND FRAME™

High-strength steel foundations.

Ground Frame™ is a low-impact steel foundation that eliminates the time and labor associated with traditional foundation techniques.

Increase project speed, lower costs and reduce your environmental impact with Ground Frame.

Perfect for your project:

-  Minimized excavation, increased efficiency
-  1-2 story frame buildings without basements
-  Crawl-space or slab-on-grade (ADA-friendly)
-  Wood frame (type V), steel-stud or modular construction
-  Flat, terraced or sloped sites up to 3:1



Why Ground Frame?

A proven lighter, faster foundation solution that capitalizes on the existing strength of site soils to decrease your project timelines, costs, labor and carbon footprint.

- Dramatically reduced weight for comparable capacity over traditional concrete systems
- Tested by IAS-accredited third-party agencies
- Minimal site preparation and efficient, low-impact installation
- No special training or certification required for installation
- Most components can be hand carried for easy placement on site
- Project design support and customizations available



Backyard DADU under construction in Tacoma, WA

Sustainability

Ground Frame designs are tailored to your project's unique landscape, resulting in little or no soil disturbance and no change or remediation for water flows. The lightweight, high-strength structural steel foundation replaces concrete, minimizing transport and installation emissions.

Components for Custom Designs

- Ground Frame columns offer an innovative and fast approach to familiar post and beam construction for waterfront and raised structure applications



Kruse residence / courtesy studiodorsey architecture / Harrison Homes

Build smarter, from the ground up.

Ground Frame Sill Beam

Offers structural rigidity for flat, terraced or sloped sites

- For conventional sheathed frame structures
- Perimeter can be vented for crawl spaces and pit-set or backfilled according to preferred design
- Interconnects and steps down slopes with conventional lumber and cripple wall framing



Available in standard or custom lengths

- Capacity specification based on site-specific soils and project design loads
- The foundation plan and details are submitted as an engineered alternate under IBC or other applicable building codes
- Steel components are delivered to the project site and can be set and installed without the use of heavy equipment



Well-suited for low-profile or slab floors

- Longer sill beams create a shallow profile for gravel infill
- Excellent for commercial applications, modular structures and projects with ADA requirements
- Customized beam lengths fabricated to project specifications
- Available in a variety of lengths depending on project design, soils and loads



UCSD Stickleback Facility

Photo courtesy Anderson Anderson Architecture

GROUND FRAME™



Low-impact development built on Ground Frames, The Greens, Gig Harbor, WA

Pin Foundations, Inc., has produced compelling alternatives to conventional foundation design for more than 30 years.

Ground Frame is the result of continuous refinement, research and practical application. It requires less digging and has faster build times, reduced costs and a lower impact on the environment.

Tell us your project needs.

Each Ground Frame installation is specifically engineered for your project. All components are manufactured to specification and delivered ready to install.

We customize your Ground Frame system in three simple steps:

- Establish site slope, floor height and perimeter finish
- Gather engineering information including soil data, project scope and loads
- Work closely with you to specify the best foundation for your structure

Get in touch to learn more.

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