

Shear Engineering

Residential Services

NORTHERN COLORADO LOCAL BUSINESS

Since 1985, Shear Engineering Corporation has been operating in Fort Collins, CO serving clients across all of Colorado, Kansas, Nebraska, and Wyoming with exceptional engineering services, as well as attracting large contracts to the Northern Colorado area.

AWARD WINNING

Brian Shear, P.E. was a recipient of the Larimer County Building Dept. Recognition for Outstanding Professionalism through the construction process 2003 award.

PERSONAL ATTENTION

Don't get lost dealing with a huge firm. At Shear Engineering Corporation you will always receive personal and professional work without the run-around.

Shear Engineering Corporation

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Shear Engineering Corporation has been offering a complete range of civil and structural engineering services since 1985. Shear Engineering Corporation has extensive experience with all aspects of residential housing design. Our design experience includes single-family custom homes, multi-family structures, residential building additions and remodels along with many other items related to residential structural design. A majority of our experience stems from projects throughout Northern Colorado cities and mountain towns but we have been involved in residential projects throughout Colorado and Wyoming. We work every day with architects, contractors and homeowners to ensure the desired final product is received in a prompt and professional manner. Shear Engineering is professionally registered in Colorado, Kansas, Nebraska, and Wyoming.

RESIDENTIAL DESIGN SERVICES AVAILABLE:

CONSULTING, TRAINING, SUPPORT

- Training: Identifying house damage and causes
- Training: FHA / HUD grading and structural standards
- City and County Building and Development process support
- Construction process support: bidding, bid review, contractor selection
- Retaining wall design and construction issues

STRUCTURAL ENGINEERING SERVICES

STRUCTURAL DESIGN

- Foundation design (residential / commercial / agricultural / pre-manufactured structures)
- Alternative foundation foam form systems
- Structural design (residential / commercial / agricultural / pre-manufactured structures)
- Custom Homes / Sunrooms
- Post-Frame Buildings (Pole Barns) / Metal Buildings
- Residential additions and remodels
- Retaining wall design
- Deck foundation and structure design
- Pergola foundation and structure design
- Structural warranty inspection record
- Building permit submittal application support
- HUD / FHA (Housing and Urban Development) observations / certifications
- Residence structure damage observations / opinion & recommendation report
- Pre-purchase structure observations / opinion report
- Insurance claim damage observations / opinion & recommendation report (fire, water, snow load, wind load, and impact load damage)
- Residential wind turbine foundation and support design.
- Green energy (solar panels and similar) support design and analysis

Lot 54 Eagle Ranch Estates P.U.D.—Fort Collins, CO



Lot 14 Harmony Subdivision—Timnath, CO

CONSTRUCTION

- Excavation observations
- Footing formwork / footing reinforcing placement observations
- Foundation wall steel placement observations
- Alternative foundation foam form system observations
- Perimeter drain installation / dampproofing observations
- Framing observations
- Caisson construction observations
- Basement structural subfloor observations (steel or wood)
- Structural steel bolt and weld observations / certifications
- Ufer Ground inspections

CIVIL ENGINEERING SERVICES

SITework SINGLE-FAMILY AND

- Site Plan
- Grading design
- Site Grading certification
- Mountain roads and driveways
- Percolation test / report
- Individual Sewage Disposal System (ISDS)
- Elevation certificate
- Building setback certification
- Site investigation prior to purchase of property



Lot 45 Harmony Subdivision—Timnath, CO