



**Design  
Engineering  
Inc.**

STRUCTURAL  
GEOTECHNICAL  
CONSULTANTS

**North Office**  
9197 W. 6<sup>th</sup> Ave, Suite 1100  
Lakewood, CO 80215

Phone: 303-688-5151

[www.credesigneng.com](http://www.credesigneng.com)

**South Office**  
210 5<sup>th</sup> St, Suite 200  
Castle Rock, CO 80104

Fax: 303-660-5243

**GEOTECHNICAL / ENVIRONMENTAL / STRUCTURAL**  
**GENERAL PRICING INFORMATION**  
UPDATED 4/7/15

**Geotechnical Engineering:**

- **Subsurface Soils Investigation and Foundation Recommendations – Residential (single family & duplex only)**
  - Drilling, Lab Work, and Full Report (1 Boring) ----- \$725
- **Subsurface Soils Investigation and Foundation Recommendations – Commercial**
  - Drilling, Lab Work, and Full Report (1 Boring) ----- \$Quoted
- **Percolation Testing and Onsite Water Treatment System Design**
  - Drilling, Lab Work, Percolation Test, Report and OWTS Design ----- \$1,500
  - Discount when combined with Soils Investigation ----- \$200
- **Roadway / Parking Surface Design (concrete, porous, gravel, asphalt)**
  - Drilling, Lab Work, and Full Report (4 Borings) ----- \$1,300
  - Fire Department Certification (3 Borings) ----- \$600
- **Drilling Price Adjustments**
  - Each Additional Boring ----- \$125
  - Drill Through Concrete ----- \$125
  - Lower Mast ----- \$75
  - Additional Mileage (each 15 miles after 30 miles from CRE) ----- \$35
  - Discount for drilling adjacent lots in same trip (per additional lot) ----- \$100

**Structural Engineering:**

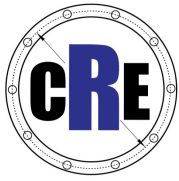
- **Residential Design** ----- Quoted
  - ✓ Foundation
  - ✓ Beam & Post Design
  - ✓ Floor Joist Layout & Sizing
  - ✓ Roof Layout and Connector Specifications
  - ✓ Deck Design
  - ✓ Includes Drawing Pertaining to Structural

**Estimated Pricing per Finished Square Foot (minimum of \$850):**

- CAD Plans provided by Licensed Architect ----- \$ .75 - .95
- Hand drawn plans provided by Licensed Architect ----- \$ .95 - 1.05
- Plans provided by others ----- \$ 1.05 - 1.15
- Detached Retaining Wall Design ----- \$ .50 - .75
- **Residential Denver Shoring (with CRE soils report - includes site visit)** ----- \$675
- **Residential Denver Shoring (without CRE fnd. plan or soil report)** ----- \$850 +
- **Residential Timber Truss Design** ----- \$250 +
- **Light Commercial Design** ----- Quoted
- **Structural Observation and Consultation**
  - Site Visit and Verbal Recommendations (1/2 hour on site) ----- \$350
  - Site Visit and Engineer Stamped Recommendations (1/2 hour on site) ----- \$450
  - Additional time required after 30 minutes (per hour) ----- \$95
  - In House Engineering (per hour) ----- \$150
  - In House Drafting (per hour) ----- \$75

**Architectural Drafting Services:**

- **Estimating Pricing per Finished Square Foot (includes Structural Engineering)** ----- \$3.25 +
- **Artistic Renderings** ----- Quoted



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**CONSTRUCTION OBSERVATIONS AND TESTING**  
**GENERAL PRICING INFORMATION**

2015

**Construction Observations:**

- **Per visit for the following** (with our soils report and/or structural) ----- **\$175**
  - Excavation Observation
  - Pier Drilling / Footing Observation
  - Foundation Reinforcement Observation
  - Drain and Water Proof Observation
  - Void
- **Additional time required after 1 hour** (per hour)----- **\$75**

**Masonry Observations/Testing:**

- On Site Grout/Mortar Testing (includes trip and 2 hours on site) ----- **\$125**
- On Site Masonry Observations (includes trip and 2 hours on site) ----- **\$125**
  - Each Additional Hour ----- **\$45**

**Welding Observations:**

- On Site Weld Inspections (includes trip and 2 hours on site) ----- **\$170**
  - Each Additional Hour ----- **\$70**

**Structural Steel Observations:**

- On Site Steel Inspections (includes trip and 2 hours on site) ----- **\$175**
  - Each Additional Hour ----- **\$70**

**Wood Frame Observations:**

- On Site Framing Inspections (includes trip and 2 hours on site) ----- **\$130**
  - Each Additional Hour ----- **\$50**

**Construction Materials Testing:**

- **Compaction Testing**
  - On Site Moisture/Density Testing (includes trip and 2 hours on site) ----- **\$125**
    - Each Additional Hour ----- **\$45**
  - One Point Check ----- **\$60**
- **Concrete Testing**
  - On site Concrete Testing (includes trip and 2 hours on site) ----- **\$125**
    - Each Additional Hour – Materials Tech ----- **\$45**
  - Concrete Compressive Strength, Cylinders (EA) ----- **\$20**
  - Concrete Flexural Test, Beams (EA) ----- **\$30**
- **Laboratory Testing**
  - Proctor Test (Standard or Modified) ----- **\$175**
  - One Point Check Test ----- **\$60**
  - Atterberg ----- **\$75**
  - Gradation Analysis ----- **\$75**
  - Swell / Consolidation ----- **\$75**
  - Natural Density & Moisture ----- **\$15**
  - CBR Test ----- **\$310**
  - 200 Wash ----- **\$45**
  - Water Soluble Sulfate ----- **\$30**

**Personnel:**

- Construction Technician (per hour) ----- **\$45**
- Senior Technician (per hour) ----- **\$75**
- Project Manager (per hour) ----- **\$95**
- Project Engineer (per hour) ----- **\$105**