

Special Inspection and Testing Requirements

CNI-012

Project Name

Project Address

Permit No.

Reinforced Concrete, Gunite, Grout and Mortar:

CBC 1701.5.1

Concrete	Gunite	Grout	Mortar	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Aggregate Tests
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Reinforcing Tests
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Mix Designs
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Reinforcing Placement
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Batch Plant Inspection
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Inspect Placing
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Cast Samples
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Pick-up Samples
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Compression Tests

CBC 1701.5.1 and .4

Piers	Grade Beams	Pretens	Precast	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Aggregate Tests
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Reinforcing Tests
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Tendon Tests
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Mix Designs
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Reinforcing Placement
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Insert Placement
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Concrete Batching
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Installation Inspection
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Cast Samples
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Pick-up Samples
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Compression Tests

Structural Observation by Architect or Engineer:

CBC 1702

- Foundation Observation
- Framing Observation
- Final Observation
- General Conformance Letters

Masonry:

CBC 1701.5.7

- Special Inspection Stresses Used
- Prelim. Acceptance Test (Masonry Units, Wall Prisms)
- Subsequent Tests (Mortar, Grout, Field Wall Prisms)
- Placement Inspection of Units

Plans Examiner _____ Date _____

Requirements specified by (Architect/Engineer of record) _____ Date _____

Contractor _____ Date _____

Owner _____ Date _____

Embedded Bolts or Inserts:

CBC 1701.5.2 and .15

<input type="checkbox"/>	Bolt/Insert Placement Inspection	_____ %
<input type="checkbox"/>	Bolt/Insert Tension Test	_____ %
<input type="checkbox"/>	Bolt/Insert Shear Test	_____ %
<input type="checkbox"/>	Epoxy Mix and Placement Observation	_____ %

Structural Steel / Welding:

CBC 1701.5.5 and .6

<input type="checkbox"/>	Sample and Test (list specific members below)	
<input type="checkbox"/>	Shop Material Identification	
<input type="checkbox"/>	Welding Inspection	<input type="checkbox"/> Shop <input type="checkbox"/> Field
<input type="checkbox"/>	Ultra Sonic Inspection	<input type="checkbox"/> Shop <input type="checkbox"/> Field
<input type="checkbox"/>	High-Stress Bolting Inspection	
	<input type="checkbox"/> A325 <input type="checkbox"/> Shop <input type="checkbox"/> Field	
	<input type="checkbox"/> A490 <input type="checkbox"/> N <input type="checkbox"/> X <input type="checkbox"/> F	

- Metal Deck Welding Inspection
- Reinforcing Steel Welding Inspection
- Metal Stud Welding Inspection
- Concrete Insert Welding Inspection

Structural Wood:

CBC 1701.5.15

- Horizontal Diaphragms
- Shear Wall Nailing Inspection
- Inspection of Glulam Fabrication
- Inspection of Truss Joint Fabrication
- Sample and Test Components

Geotechnical/Foundation:

CBC 1701.5.11 and .13

- Soils Engineer Plan Review Acceptance Letter
- Foundation Excavation
- Pier Holes
- Site Drainage
- Fill Material
- Placement Inspection
- Field Density
- Acceptance Letter
- Acceptance Letter

Fireproofing:

CBC 1701.5.10

- Placement Inspection
- Density Tests
- Thickness Tests
- Inspect Batching

Insulating Concrete:

CBC 1701.5.9

- Sample and Test
- Placement Inspection
- Unit Weights

Additional Instructions/Other Tests & Inspections:

Sonoma County Permit and Resource Management Department

2550 Ventura Avenue ❖ Santa Rosa, CA ❖ 95403-2829 ❖ (707) 565-1900 ❖ Fax (707) 565-2210