



Project Owner _____

Project Name _____

Project Address _____

BUILDING DEPARTMENT

336 Pacific Avenue, Shafter CA 93263

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STRUCTURAL OBSERVATIONS

SUBMISSION OF THE STRUCTURAL OBSERVATION PROGRAM

CBC Section 1704.6 provides that when structural observation is required, Observation Program shall be submitted by the architect or engineer of record for approval prior to issuance of the building permit. "Structural observation does not include or waive the responsibility for the inspections of section 110 or the special inspections in section 1705 or other sections of this code" (CBC 2106).

The program shall specify the items of work that require structural observation, name of structural observer of record, stages of construction at which structural observation is to occur.

All seismic resisting elements of a structural system shall be included in the scope of structural observation, if structural observation is required by sub-section 1, 2, 3 or 5 of Section 1704.6.1. If structural observation is required by sub-section 4 alone, it is up to the engineer or architect of record to designate the structural elements that need to be observed. Nothing should preclude the engineer or architect of record from including non-seismic resisting elements in the scope of structural observation.

The Observation Program shall be made a part of the approved plans and be placed in a conspicuous location such as on the first page of the plans or the first page of structural plans. When the owner elects to change the structural observer of record, the owner shall:

- a. Notify the building inspector in writing before the next inspection by submitting the completed Structural Observation Program and Designation of the Structural Observer form.
- b. Call an additional preconstruction meeting
- c. Furnish the replacement structural observer with a copy of all previous observation reports.

The replacement structural observer shall approve the correction of the original observed deficiencies unless otherwise approved by the Building Official.

"STRUCTURAL OBSERVER OF RECORD" AND PERSONS WHO PERFORM THE STRUCTURAL OBSERVATION

The individual or firm who is responsible for the structural observation may be called the "Structural Observer of Record" for the project. Per CBC Section 1704.6, a structural observer of record must meet all the following three conditions:

- a. It must be a person or firm registered in California to practice engineering or architecture.
- b. They must have a direct contractual relationship with the owner to provide the structural observation service.

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c. They must be either the Registered Design Professional in Responsible Charge (RDP) for the structural design, or another engineer or architect designated by the RDP. The person who actually performs structural observation in the field may be either the "Structural Observer of Record", or an engineer or architect under the responsible control of the Structural Observer of Record.

PRIOR TO THE START OF WORK

The owner or owner's representative shall coordinate and call for a meeting between the engineer or architect responsible for the structural design, structural observer, contractor, affected subcontractors and special inspectors. The purpose of the meeting shall be to identify the major structural elements and connections that affect the vertical and lateral load systems of the structure and to review scheduling of the required observations. A record of the meeting shall be included in the first observation report submitted to the building inspector.

SUBMISSION OF STRUCTURAL OBSERVATION OR SPECIAL INSPECTION REPORTS

"The Structural Observer of Record" is responsible for submitting the observation report as required by Section 1704.6. The person who actually performs the observation may fill out a draft report, noting any observed deficiencies. The draft report shall be reviewed, completed, stamped and signed by the "Structural Observer of Record", who takes the responsibility for the report. Whenever a structural observation is performed by someone other than the Structural Observer of Record, that person's name and professional registration number shall be identified in the report. Deficiencies observed must be reported in writing to the owner's representative, relevant special inspectors, the contractor and the building official. Whether or not any deficiency is observed, a structural observation report shall be submitted to the building official at each significant construction stage as designated in the Inspection & Observation Program. The jurisdiction's inspection approval at those stages shall not occur before receiving the report. To facilitate the construction process, an inspector may conditionally approve an inspection based on a draft report prepared by the structural observer in the field, pending on submission of the report stamped and signed by the Structural Observer of Record.

A final observation report must be submitted which shows that all observed deficiencies were resolved, and structural system generally conforms with the approved plans and specifications.

REQUIRED INFORMATION FOR STRUCTURAL OBSERVATION

Complete the table and required information included below. Check all boxes that apply to the project and include a brief description of the portion of the project in the space provided. If this form is provided by the city of Shafter structural observation shall be required Per section 1704.6.1 item 5.

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STRUCTURAL OBSERVATION (ONLY CHECKED ITEMS ARE REQUIRED)			
Firm or Individual to be responsible for the Structural Observation: Name: _____ Phone: _____ Calif. Registration: _____			
FOUNDATION	WALL	FRAME	DIAPHRAGM
<input type="checkbox"/> Footing, Stem Walls, Piers	<input type="checkbox"/> Concrete	<input type="checkbox"/> Steel Moment Frame	<input type="checkbox"/> Concrete
<input type="checkbox"/> Mat Foundation	<input type="checkbox"/> Masonry	<input type="checkbox"/> Steel Braced Frame	<input type="checkbox"/> Steel Deck
<input type="checkbox"/> Caisson, Piles, Grade Beams	<input type="checkbox"/> Wood	<input type="checkbox"/> Concrete Moment Frame	<input type="checkbox"/> Wood
<input type="checkbox"/> Retaining Foundation Hillside Special Anchors	<input type="checkbox"/> Others:	<input type="checkbox"/> Masonry Wall Frame	<input type="checkbox"/> Others:
<input type="checkbox"/> Others:		<input type="checkbox"/> Others:	

Description of observations to be performed as checked above:

Registered design professional in responsible Charge/Structural Observer of Record:

Print Name: _____

Signature: _____

Date: _____

