



# STRUCTURAL OBSERVATION FORM

## Building & Safety Division

1 Civic Center Circle, Brea, California 92821

Ph.: (714) 671-4406 | E-mail: Building@Cityofbrea.net

**STRUCTURAL OBSERVATION** means the visual observation of the structural system, for general conformance to the approved plans and specifications, at significant construction stages and at completion of the structural system. Structural observation does not include or waive the responsibility for the inspections required by Section 110, 1704 or other sections of the code.

Report No. \_\_\_\_\_

This report includes all construction work through \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_ Page No. \_\_\_\_\_ of \_\_\_\_\_

|                      |                                      |   |                        |
|----------------------|--------------------------------------|---|------------------------|
| Project Address:     |                                      | Structural Observer of Record (SOR):    | Phone No. of SOR:      |
| Building Permit No.: | Structural Observation performed by: | Professional Lic./Reg. No. of Observer: | Phone No. of Observer: |

### OBSERVED STRUCTURAL ELEMENTS AND THEIR CONNECTIONS

| FOUNDATION  | WALL  | FRAME  | FLOOR & ROOF                        | ELEMENT/ CONNECTION OBSERVATION LOCATION |
|---|---|--|-------------------------------------|--|
| <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"/> Modulus of Elasticity*<br>Concrete Shear Walls | <input type="checkbox"/> Steel Braced Frame                              | <input type="checkbox"/> Steel Deck |  |
| <input type="checkbox"/> Caisson, Piles, Grade Beams                      | <input type="checkbox"/> Masonry  | <input type="checkbox"/> Concrete Moment Frame                           | <input type="checkbox"/> Wood       |  |
| <input type="checkbox"/> Retaining Foundation<br>Hillside Special Anchors | <input type="checkbox"/> Wood   | <input type="checkbox"/> Modulus of Elasticity*<br>Seismic Moment Frames | <input type="checkbox"/> Others:    |  |
| <input type="checkbox"/> Others:  | <input type="checkbox"/> Others:  | <input type="checkbox"/> Others:   |                                     |  |

\* For concrete buildings more than 160 feet in Structural Height: Concrete mix meets the modulus of elasticity requirements in design for seismic force resisting systems.

**NOTED DEFICIENCIES with the proposed corresponding corrective actions with respect to general conformance with the approved plans or in the load path:** (A final report by the structural observer which states that all observed deficiencies have been resolved is required before acceptance of the work by the building officials.)

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I DECLARE THAT THE FOLLOWING STATEMENTS ARE TRUE TO THE BEST OF MY KNOWLEDGE:

1. I AM THE ENGINEER OR ARCHITECT RETAINED BY THE OWNER TO BE IN RESPONSIBLE CHARGE FOR THE STRUCTURAL OBSERVATION IN ACCORDANCE WITH THE REQUIREMENTS OF THE CITY OF BREA.
2. I, OR ANOTHER ENGINEER OR ARCHITECT WHO I HAVE DESIGNATED ABOVE AND IS UNDER MY RESPONSIBLE CHARGE, HAS PERFORMED THE REQUIRED SITE VISITS AT EACH SIGNIFICANT CONSTRUCTION STAGE TO VERIFY IF THE STRUCTURE IS IN GENERAL CONFORMANCE WITH APPROVED PLANS AND SPECIFICATIONS;
3. ALL NOTED DEFICIENCIES WHICH REMAIN TO BE CORRECTED HAVE BEEN INDICATED ABOVE;
4. I RECOMMEND THAT ACCEPTANCE OF THE STRUCTURAL SYSTEMS BY THE CITY OF BREA BE WITHHELD UNTIL ALL OBSERVED DEFICIENCIES ARE CORRECTED.

\_\_\_\_\_  
SIGNATURE OF STRUCTURAL OBSERVER

\_\_\_\_\_  
DATE

\_\_\_\_\_  
STAMP OF STRUCTURAL OBSERVER



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**STRUCTURAL OBSERVATION PROGRAM  
 AND DESIGNATION OF THE  
 STRUCTURAL OBSERVER**

PROJECT ADDRESS: \_\_\_\_\_ BLDG. Permit No.: \_\_\_\_\_

Description of Work: \_\_\_\_\_

Owner: \_\_\_\_\_ Architect: \_\_\_\_\_ Engineer: \_\_\_\_\_

| <b>STRUCTURAL OBSERVATION</b><br>(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"/> Step'g/Retain'g Foundation, Hillside<br>Special Anchors | <input type="checkbox"/> Others: _____ | <input type="checkbox"/> Others: _____         | <input type="checkbox"/> Others: _____ |
| <input type="checkbox"/> Others: _____   |  |  |  |

**DECLARATION BY OWNER**

I, the Owner of the project, declare that the above listed firm or individual is hired **by me** to be the Structural Observer.

\_\_\_\_\_  
 Signature Date

**DECLARATION BY ARCHITECT OR ENGINEER OF RECORD** (required if the Structural Observer is different from the Architect or Engineer of Record)

I, the Architect or Engineer of record for the project, declare that the above listed firm or individual is designated by me to be responsible for the Structural Observation.

\_\_\_\_\_  
 Signature License No. Date