DEVELOPMENT SERVICES DEPARTMENT
BUILDING AND SAFETY DIVISION

156 S. BROADWAY, SUITE 130 | TURLOCK, CALIFORNIA 95380 | PHONE 209-668-5560 | FAX 209-668-5107

# SPECIAL INSPECTION AGREEMENT

PERMIT NUMBER: _____ DATE: _____

OWNER: _____ APPROVED TESTING LABORATORY:

PROJECT NAME: _____ _____

ADDRESS: _____ _____

BEFORE A PERMIT CAN BE ISSUED: The owner, or the engineer or architect of record acting as the owner's agent, shall complete two (2) copies of this agreement and the attached structural tests and inspections schedule including the required acknowledgments. A preconstruction conference with the parties involved may be required to review the special inspection requirements and procedures.

APPROVAL OF SPECIAL INSPECTORS: Each special inspector shall be approved by the building division prior to performing any duties. Each special inspector shall submit his/her qualifications to the building division and may be subject to a personal interview for prequalification. Special inspectors shall display approved identification, as stipulated by the building division, when performing the function of a special inspector.

Special inspection and testing shall meet the minimum requirements of C.B.C. Section 1704 THROUGH 1708.

**Note: Inspections shall be made as the progress of the work calls for them. Inspection agency shall leave on the job site a dated record of each inspection made for each visit. If inspection record is not up-to-date it will be cause to stop the work.**

SPECIAL INSPECTOR: The special inspector shall be a qualified person who shall demonstrate his competence to the satisfaction of the Building Office for inspection of the particular type of construction or operation requiring special inspection.

SPECIAL INSPECTOR RESPONSIBILITIES:

1. Special inspectors shall notify contractor personnel of their presence and responsibilities and have a CCTIA-style badge or wallet card indicating categories for which they are certified while on the job site where they are providing special inspection services.

2. The special inspector shall review approved plans, specifications and requirements for special inspections found in the statement of special inspections. The special inspector(s) shall observe the work assigned for conformance with the approved design drawings and specifications.

3. The special inspector shall furnish inspection reports to the Building Official, the Engineer or Architect of records, and other designated persons. All discrepancies shall be brought to the immediate attention of the contractor for correction; then, if uncorrected, to the proper design authority and to the Building Official.

4. The special inspector shall submit a final signed report stating whether the work requiring special inspection was, to the best of his knowledge, in conformance with the approved plans and specifications and the applicable workmanship provision of this code.

CONTRACTOR RESPONSIBILITIES;

**1.** Be aware of special requirements contained within the statement of special inspections.
**2.** Notify / schedule the special inspector for required inspections.
**3.** Provide access to the approved plans.
**4.** Maintain records of special inspections on the job site for review by the Building Official when requested.

REGISTERED DESIGN PROFESSIONAL RESPONSIBILITIES

**1.** Prepare statement of special inspections as required by C.B.C. section 106.1 appendix 1. The statement shall be in accordance with C.B.C. section 1705.
**2.** Complete schedule of special inspections and tests. (Attached)
**3.** Provide contact information of selected special inspector(s) or firm responsible for required special inspections.
**4.** Respond to field discrepancies and provide direction for correction.

BUILDING DIVISION RESPONSIBILITIES:

1. Review and consider special inspectors and special inspection requirements. Approval is required by the Chief Building Official
**2.** Monitor work requiring special inspection including the performance of the special inspector. Work is not to proceed without first obtaining approval of the building division's inspector **in addition** to that of the special inspector.
**3.** The building division may issue a Certificate of Occupancy after all special inspection reports and the final report have been submitted, reviewed and accepted.

**ACKNOWLEDGEMENTS**

The undersigned special inspector or qualified agent of the testing laboratory, who has been approved by this division, agrees to comply with the above-listed duties and responsibilities of the special inspector.

INSPECTOR OR AGENT'S NAME (PRINT OR TYPE) INSPECTOR OR AGENT'S SIGNATURE DATE

The undersigned owner or contractor will assume the responsibility of scheduling and notifying the testing laboratory of the required tests and inspections included in this agreement. The undersigned also states that he understands the duties and responsibilities of the special inspector, is aware of the special requirements contained in the statement of special inspections; and that control will be exercised to obtain conformance with the construction documents approved by the building official

OWNER OR CONTRACTOR'S NAME (PRINT OR TYPE) OWNER OR CONTRACTOR'S SIGNATURE DATE

The undersigned Engineer or Architect of record acknowledges that the special inspection items included in this agreement will be required to comply with Section 1701. Additional inspections required by the Engineer or Architect in accordance with Section 1709 have been included in this agreement.

Structural observation to comply with Section 1709 will / will not be required.

ENGINEER OR ARCHITECT'S NAME (PRINT OR TYPE) ENGINEER OR ARCHITECT'S SIGNATURE DATE

ACCEPTED FOR THE BUILDING DIVISION DATE

NOTE: Mail or deliver reports to the following address:

CITY OF TURLOCK
156 S. BROADWAY, SUITE 130
TURLOCK, CA 95380-5454

* * *

# STRUCTURAL OBSERVATION AGREEMENT

The owner shall employ the Engineer or Architect responsible for the structural design, or another Engineer or Architect designated by the Engineer or Architect responsible for the structural design, to perform structural observation as defined in Section 1709. Observed deficiencies shall be reported in writing to the owner's representative, special inspector, contractor and the Building Official. The structural observer shall submit to the Building Official a written statement that the site visits have been made and identifying any reported deficiencies which, to the best of the structural observer's knowledge, have not been resolved.

Structural observations shall be provided in Seismic Design Category D, E or F when one of the following conditions exists:

( ) 1. The structure is classified as Occupancy Category III, or IV.

( ) 2. The height of the structure is greater than 75 feet above the base.

( ) 3. The structure is assigned to Seismic Design Category E, is classified as Occupancy Category I or II and is greater than two stories in height.

( ) 4. When so designated by the Architect or Engineer of record.

( ) 5. When such observation is specifically required by the Building Official.

_____

ENGINEER OR ARCHITECT RESPONSIBLE FOR THE STRUCTURAL DESIGN (PRINT OR TYPE)

_____

SAME SIGNATURE DATE

_____

DESIGNATED ENGINEER OR ARCHITECT TO PERFORM STRUCTURAL OBSERVATION (PRINT OR TYPE)

_____

SAME SIGNATURE DATE

# REQUIRED INSPECTIONS FOR SEISMIC RESISTANCE

**Structural Steel**

( ) Structural Welding (Continuous)

**Structural Wood**

( ) Field gluing operations (Continuous)
( ) Nailing, bolting,
( ) Anchoring, other fastening methods.
Specify special conditions_____
_____
_____

**Cold – Formed Steel Framing**

( ) Screw attachments
( ) Bolted connections
( ) Other fasteners

**Storage Racks and Access Floors**

( ) Anchorage of access floors.
( ) Anchorage of storage racks 8 feet or greater in height.

**Architectural Components**

( ) Exterior Cladding
( ) Interior / exterior non-load bearing walls
( ) Interior / exterior veneer

**Mechanical and Electrical Components**

( ) Anchorage of electrical equipment for emergency or standby systems
( ) Anchorage of other electrical equipment installed in Seismic Design Category E or F
( ) Piping systems intended to carry flammable, combustible or highly toxic contents and associated Mechanical units
( ) HVAC duct work intended to carry hazardous materials
( ) Vibration isolation systems

( ) **Other Required inspections and Tests**

_____
_____
_____
_____

Completed by_____ Date_____
Engineer or Architect responsible for the structure design

## Attachment pages 1 - 3 STATEMENT OF SPECIAL INSPECTIONS SCHEDULE

Where the option between continuous and periodic inspection is possible, circle the option required.

| **Steel Construction - Verification / Inspection**<br>See Table 1704.3 - Required Verification and Inspection of Steel Construction | **Continuous** | **Periodic** |
|---|---|---|
| **1. High - strength bolts, nuts and washers** | | |
| a. ☐ Markings | --- | **X** |
| b. ☐ Manufacturers certificate of compliance | --- | **X** |
| **2. High - Strength Bolting** | | |
| a. ☐ Bearing - type connections | --- | **X** |
| b. ☐ Slip - critical connections | **X** | **X** |
| **3. Structural Steel** | | |
| a. ☐ Identification Markings | --- | --- |
| b. ☐ Manufacturer's certified mill reports | --- | --- |
| **4. Weld Filler** | | |
| a. ☐ Identification Markings | --- | --- |
| b. ☐ Manufacturer's certificate of compliance | --- | --- |
| **5. Welding-** | | |
| a. **Structural Steel** | | |
| 1. □ Complete and partial penetration groove welds | **X** | --- |
| 2. □ Multi-pass fillet welds | **X** | --- |
| 3. □ Single-pass fillet welds > 5/16" | **X** | --- |
| 4. □ Single-pass fillet welds ≤ 5/16" | --- | **X** |
| 5. □ Floor and roof deck welds | --- | **X** |
| b. **Reinforcing Steel** | | |
| 1. □ Weldabilty of reinforcing steel other than ASTM A706 | --- | **X** |
| 2. □ Reinforcing steel-resisting flexural; and axial forces in intermediate and special moment frames, and boundary elements of special reinforced concrete shear walls and shear reinforcement. | **X** | --- |
| 3. □ Shear reinforcement | **X** | --- |
| 4. □ Other reinforcing steel | --- | **X** |
| **6. Steel Frame Joint Details** | | **X** |
| a. ☐ Details-bracing, stiffening, etc. | --- | --- |
| b. ☐ Member Locations | --- | --- |
| c. ☐ Application of joint details at each connection | --- | --- |
| **7. Other** | | |
| | | |

| **Concrete Construction - Verification / Inspection**<br>See Table 1704.4 - Required Verification and Inspection of Concrete Construction | **Continuous during task** | **Periodic during task** |
|---|---|---|
| **1.** ☐ Reinforcing steel, including prestressing tendons and placement | --- | **X** |
| **2.** ☐ Reinforcing steel welding | --- | --- |
| **3.** ☐ Bolts installed in concrete | **X** | --- |
| **4.** ☐ Required mix design | --- | **X** |
| **5.** ☐ Fresh concrete sampling/test | **X** | --- |
| **6.** ☐ Placement of concrete and shotcrete | **X** | --- |
| **7.** ☐ Curing-temperature and techniques | --- | **X** |
| **8.** Prestressed concrete | | |
| a. ☐ Application of prestressing forces | **X** | --- |
| b. ☐ Grouting of bonded tendons in seismic-force-resisting system | **X** | |
| **9.** ☐ Erection of precast members | --- | **X** |
| **10.** ☐ Verification of in-situ concrete strengths | --- | **X** |
| **11.** ☐ Formwork shape, location, and dimensions | --- | **X** |
| **12. Other** | | |
| | | |

| Masonry Level 1 - Verification / Inspection<br>See Table 1704.5.1 - Level 1 Special Inspection | Continuous during task | Periodic during task |
|---|---|---|
| **1. As construction begins ensure compliance of:** | | |
| a. ☐ Proportions on site-prepared mortar | --- | X |
| b. ☐ Construction of mortar joints | --- | X |
| c. ☐ Location of reinforcement, connectors | --- | X |
| d. ☐ Prestressing technique | --- | X |
| e. ☐ Grade and size of prestressing tendons and anchorages | --- | X |
| **2. Inspection shall verify:** | | |
| a. ☐ Size and location of structural elements | --- | X |
| b. ☐ Type, size and location of anchors including other details of anchorage of masonry to structural members, frames or other construction | --- | X |
| c. ☐ Specified size, grade and type of reinforcement | --- | X |
| d. ☐ Welding or reinforcing bars | X | --- |
| e. ☐ Protection of masonry during cold weather (temperature below 40˚F) or hot weather (temperatures above 90˚F) | --- | X |
| f. ☐ Application and measurement of pretressing force | --- | X |
| **3. Prior to grouting, verify the following to ensure compliance:** | | |
| a. ☐ Grout space is clean | --- | X |
| b. ☐ Placement of reinforcement and connectors, and, prestressing tendons and anchorages | --- | X |
| c. ☐ Proportions of site-prepared grout and prestressing grout for bonded tendons | --- | X |
| d. ☐ Construction of mortar joints | --- | X |
| **4. Grout placement verified to ensure compliance with code and construction document provisions:** | X | --- |
| a. ☐ Grouting of prestressing bonded tendons | X | --- |
| **5. ☐ Preparation of any required grout specimens, mortar specimens and/or prisms shall be observed.** | X | --- |
| **6. ☐ Compliance with required inspection provisions of the construction documents and the approved submittals shall be verified.** | --- | X |
| **7. Other** | | |

| Masonry Level 2 - Verification / Inspection<br>See Table 1704.5.3 - Level 2 Special Inspection | Continuous during task | Periodic during task |
|---|---|---|
| **1. From the beginning of masonry construction, the following shall be verified to ensure compliance:** | | |
| a. ☐ Proportions of site-prepared mortar, grout and prestressing grout for bonded tendons | --- | X |
| b. ☐ Placement of masonry units and construction of mortar joints | --- | X |
| c. ☐ Placement of reinforcement, connectors and prestressing tendons and anchorages | --- | X |
| d. ☐ Grout space prior to grouting | X | --- |
| e. ☐ Placement of grout | X | --- |
| f. ☐ Placement of prestressing grout | X | --- |
| **2. The inspection program shall verify:** | | |
| a. ☐ Size and location of structural elements | --- | X |
| b. ☐ Type, size and location of anchors, including other details of anchorage of masonry to structural members, frames or other construction | X | --- |
| c. ☐ Specified size, grade and type of reinforcement | --- | X |
| d. ☐ Welding of reinforcing bars | X | --- |

| | | |
|---|---|---|
| e. ☐ Protection of masonry during cold weather (temperature below 40˚F) or hot weather ( temperature above 90˚F). | --- | X |
| f. ☐ Application and measurement of prestressing force | X | --- |

(continued on attachment page 3)
(continued from attachment page 2)

| | | |
|---|---|---|
| 3. ☐ Preparation of any required grout specimens, mortar specimens and/or prisms shall be observed. | X | --- |
| 4. ☐ Compliance with required inspection provisions of the construction documents and the approved submittals shall be verified. | --- | X |
| **5. Other** | | |
| | | |

| **Soils - Verification / Inspection**<br>See Table 1704.7 | **Continuous during task** | **Periodic during task** |
|---|---|---|
| **1.** ☐ Verify materials below footings are adequate to achieve the design bearing capacity | --- | X |
| **2.** ☐ Verify excavations are extended to proper depth and have reached proper material. | --- | X |
| **3.** ☐ Verify classification and testing of controlled fill have been performed. | --- | X |
| **4.** ☐ Verify use of proper material, densities and lift thickness during placement and compaction of controlled fill. | X | --- |
| **5.** ☐ Prior to placement of controlled fill, observe subgrade and verify that site has been prepared properly. | --- | X |
| **6. Other** | | |
| | | |

| **Structural Wood** (Indicate continuous or periodic)<br>See Section 1704.6 | **Continuous during task** | **Periodic during task** |
|---|---|---|
| **1. The special inspection program shall verify**<br>a. ☐ Fabrication Shop<br>b. ☐ Structural elements field built<br>c. ☐ Diaphragm nailing, fastener length/size and structural panel thickness and grade<br>d. ☐ Hold down installation | | |
| 2. Other | | |
| | | |

| **Sprayed Applied Fire-Proofing** (Indicate continuous or periodic)<br>See Sections 1704.10.1 through 1704.10.5 | **Continuous during task** | **Periodic during task** |
|---|---|---|
| **1. The special inspection program shall verify**<br>a. ☐ Pre-application of fire proof material<br>b. ☐ Application of fire proof material<br>c. ☐ Thickness and density testing<br>d. ☐ Verification of bond strength | | |
| 2. Other | | |
| | | |

List other required special inspections and indicate frequency of tests and or inspections required. Such as but not limited to: EIFS systems, smoke control, epoxy anchors, suspended ceiling systems, etc.

| | | |
|---|---|---|
| | | |
| | | |

Additional inspections required by Administrative Authority

| | | |
|---|---|---|
| | | |