



# STATEMENT OF SPECIAL INSPECTIONS, 2013 CBC

COMMUNITY DEVELOPMENT DEPARTMENT • BUILDING DIVISION  
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| SITE ADDRESS                     | APN                               | BP# |
|----------------------------------|-----------------------------------|-----|
| Owner.....                       | Contractor .....                  |     |
| Address .....                    | Address .....                     |     |
| City/St..... Zip..... Phone..... | City/St..... Zip..... Phone ..... |     |
| Applicant .....                  | Engineer/Architect .....          |     |
| Address .....                    | Address .....                     |     |
| City/St..... Zip..... Phone..... | City/St..... Zip..... Phone ..... |     |
| <b>PROJECT DESCRIPTION:</b>      |                                   |     |

This "STATEMENT OF SPECIAL INSPECTIONS" is submitted in fulfillment of the requirements of CBC Sections 1704 and 1705. This form is structured after and used by permission from the [Structural Engineer Association of Northern California's](#) (SEANOC) model statement of Special Inspections. Also, included with this form is the following:

- "LIST OF SPECIAL INSPECTION AGENCIES (page 2). A list of testing agencies and other special inspectors that will be retained to conduct the tests and inspections for this project
- "SCHEDULE OF SPECIAL INSPECTION" (page 3 – 6). The Schedule of Special Inspections summarizes the Special Inspections and tests required. Special Inspectors will refer to the approved plans and specifications for detailed special inspection requirements. Any additional tests and inspections required by the approved plans and specifications shall also be performed.

Special Inspections and Testing will be performed in accordance with the approved plans and specifications, this statement and CBC Sections 1704, 1705, 1706, 1707, and 1708. Interim reports will be submitted to the Building Official and the Registered Design Professional in Responsible Charge in accordance with CBC Section 1704.1.2.

A Final Report of Special Inspections documenting required Special Inspections, testing and correction of any discrepancies noted in the inspections shall be submitted prior to issuance of a Certificate of Use and Occupancy (Section 1704.1.2). The Final Report will document:

- Required special inspections.
- Correction of discrepancies noted in inspections.

The Owner recognizes his or her obligation to ensure that the construction complies with the approved permit documents and to implement this program of special inspections. In partial fulfillment of these obligations, the Owner will retain and directly pay for the Special Inspections as required in CBC Section 1704.1.

This plan has been developed with the understanding that the Building Official will:

- Review and approve the qualifications of the Special Inspectors who will perform the inspections.
- Monitor special inspection activities on the job site to assure that the Special Inspectors are qualified and are performing their duties as called for in this Statement of Special Inspection.
- Review submitted inspection reports.
- Perform inspections as required by the local building code.

*I have read and agree to comply with the terms and conditions of this statement*

|  |                 |             |             |
|--|-----------------|-------------|-------------|
| Prepared By:<br>Project <input type="checkbox"/> Engineer <input type="checkbox"/> Architect<br>Registered Design Professional in Charge | Signature ..... | Lic.# ..... | Date: ..... |
| Owner Name:<br><br>Owner's Authorization   | Signature ..... |             | Date: ..... |
| Inspection Agency / Inspector Name:  | Signature ..... | Lic.# ..... | Date: ..... |
| Building Official or designee:   | Signature ..... |             | Date: ..... |



# SCHEDULE OF SPECIAL INSPECTION

|                             |            |            |
|-----------------------------|------------|------------|
| <b>SITE ADDRESS</b>         | <b>APN</b> | <b>BP#</b> |
| <b>PROJECT DESCRIPTION:</b> |            |            |

Notation Used in Table:

Column headers:

- C Indicates continuous inspection is required.
- P Indicates periodic inspections are required. The notes and/or contract documents should clarify.

Box entries:

- X Is placed in the appropriate column to denote either "C" continuous or "P" periodic inspections.
- Denotes an activity that is either a one-time activity or one whose frequency is defined in some other manner.

Additional detail regarding inspections and tests are provided in the project specifications or notes on the drawings.

| VERIFICATION AND INSPECTION  | C   | P   | REFERENCED STANDARD | IBC REFERENCE |
|--|-----|-----|---------------------|---------------|
| <b>INSPECTION OF FABRICATORS</b>   |     |     |                     |               |
| 1. <input type="checkbox"/> Inspect fabricator's fabrication and quality control procedures. | --- | --- |                     | 1704.3        |

| <b>INSPECTION OF STEEL</b>  |     |     |   |          |
|---|-----|-----|---|----------|
| 1. Material verification of high-strength bolts, nuts and washers.  |     |     |   |          |
| <input type="checkbox"/> Identification marking to conform to ASTM stds specified in the approved construction documents.   | --- | X   | AISC 360, Section A3.3 and applicable ASTM material standards |          |
| <input type="checkbox"/> Inspect fabricator's fabrication and quality control procedures.   | --- | X   | ---   | ---      |
| 2. Inspection of high-strength bolting:   |     |     |   |          |
| <input type="checkbox"/> Snug-tight joints.   | --- | X   | AISC 360, Section M2.5  | 1704.3.3 |
| <input type="checkbox"/> Pretensioned and slip-critical joints using turn-of-nut with matchmarking, twist-off bolt or direct tension indicator methods of installation. | --- | X   |   |          |
| <input type="checkbox"/> Pretensioned and slip-critical joints using turn-of-nut without matchmarking or calibrated wrench methods of installation.                     | X   | --- |   |          |
| 3. Material verification of structural steel and cold-formed steel deck.  |     |     |   |          |
| <input type="checkbox"/> For structural steel, identification markings to conform to AISC 360.  | --- | X   | AISC 360, Section M2.5  |          |
| <input type="checkbox"/> For other steel, identification markings to conform to ASTM standards specified in the approved construction documents.                        | --- | X   | Applicable ASTM material standards                            |          |
| <input type="checkbox"/> Manufacturer's certified test reports.   | --- | X   |   |          |

| VERIFICATION AND INSPECTION  | C   | P   | REFERENCED STANDARD                                    | IBC REFERENCE |
|--|-----|-----|--|---------------|
| 4. Material verification of weld filler materials:   |     |     |  |               |
| <input type="checkbox"/> Identification marking to conform to AWS specification in the approved construction documents.  | --- | X   | AISC 360, Section A3.5 and applicable AWS A5 documents | ---           |
| <input type="checkbox"/> Manufacturer's certificate of compliance required.  | --- | X   | ---  | ---           |
| 5. Inspection of welding:  |     |     |  |               |
| a. Structural steel and cold-formed steel deck:  |     |     |  |               |
| <input type="checkbox"/> Complete and partial joint penetration groove welds.  | X   | --- | AWS D1.1   | 1704.3.1      |
| <input type="checkbox"/> Multipass fillet welds.   | X   | --- |  |               |
| <input type="checkbox"/> Single-pass fillet welds > 5/16"  | X   | --- |  |               |
| <input type="checkbox"/> Plug and slot welds.  | X   | --- |  |               |
| <input type="checkbox"/> Single-pass fillet welds <= 5/16"   | --- | X   |  |               |
| <input type="checkbox"/> Floor and roof deck welds.  | --- | X   | AWS D1.3   |               |
| b. Reinforcing steel:  |     |     |  |               |
| <input type="checkbox"/> Verification of weldability of reinforcing steel other than ASTM A 706.   | --- | X   | AWS D1.4 ACI 318: Section 3.5.2                        | ---           |
| <input type="checkbox"/> Reinforcing steel resisting flexural and axial forces in intermediate and special moment frames, and boundary elements of special structural walls of concrete and shear reinforcement. | X   | --- |  |               |
| <input type="checkbox"/> Shear reinforcement.  | X   | --- |  |               |
| <input type="checkbox"/> Other reinforcing steel.  | --- | X   |  |               |
| 6. Inspection of steel frame joints details for compliance:  |     |     |  |               |
| <input type="checkbox"/> Details such as bracing and stiffening.   | --- | X   | ---  | 1704.3.2      |
| <input type="checkbox"/> Member locations.   | --- | X   |  |               |
| <input type="checkbox"/> Application of joint details at each connection.  | --- | X   |  |               |

| VERIFICATION AND INSPECTION   | C   | P | REFERENCED STANDARD | IBC REFERENCE |
|---|-----|---|---------------------|---------------|
| <b>INSPECTION OF WELDING</b>  |     |   |                     |               |
| 1. <input type="checkbox"/> Welded studs when used for structural diaphragms. | --- | X | ---                 | 1704.3        |
| 2. <input type="checkbox"/> Welding of cold-formed steel framing members.     | --- | X |                     |               |
| 3. <input type="checkbox"/> Welding of stairs and railing systems.            | --- | X |                     |               |

| VERIFICATION AND INSPECTION   | C   | P   | REFERENCED STANDARD  | IBC REFERENCE            |
|---|-----|-----|--|--------------------------|
| <b>INSPECTION OF CONCRETE</b>   |     |     |  |                          |
| 1. <input type="checkbox"/> Inspection of reinforcing steel, including prestressing tendons and placement.  | --- | X   | ACI 318: 3.5, 7.1-7.7  | 1913.4                   |
| 2. <input type="checkbox"/> Inspection of reinforcing steel welding in accordance with Table 1704.3 Item 5b.  | --- | --- | AWS D1.4 ACI 318: 3.5.2  | ---                      |
| 3. <input type="checkbox"/> Inspection of bolts to be installed in concrete prior to and during placement of concrete where allowable loads have been increased or where strength design is used.         | X   | --- | ACI 318: 8.1.3, 21.2.8   | 1911.5, 1912.1           |
| 4. <input type="checkbox"/> Inspection of anchors installed in hardened concrete.   | --- | X   | ACI 318:   | 1912.1                   |
| 5. <input type="checkbox"/> Verifying use of required design mix.   | --- | X   | ACI 318:   | 1904.2.2, 1913.2, 1913.3 |
| 6. <input type="checkbox"/> At time fresh concrete is sampled to fabricate specimens for strength tests, perform slump and air content tests and determine the temperature of the concrete.               | X   | --- | ASTM C 172<br>ASTM C 31<br>ACI 318: 5.6, 5.8                                     | 1913.10                  |
| 7. <input type="checkbox"/> Inspection of concrete and shotcrete placement for proper application techniques.   | X   | --- | ACI 318: 5.9, 5.10   | 1913.6, 1913.7, 1913.8   |
| 8. <input type="checkbox"/> Inspection for maintenance of specified curing temperature and techniques.  | --- | X   | ACI 318: 5.11-5.13   | 1913.9                   |
| 9. Inspection of prestressed concrete:  |     |     |  |                          |
| <input type="checkbox"/> Application of prestressing forces.  | X   | --- | ACI 318: 18.20   | ---                      |
| <input type="checkbox"/> Grouting of bonded prestressing tendons in the seismic force-resisting system.   | X   | --- | ACI 318: 18.18.4   |                          |
| 10. <input type="checkbox"/> Erection of precast concrete members.  | --- | X   | ACI 318: Ch. 16  | ---                      |
| 11. <input type="checkbox"/> Verification of in-situ concrete strength, prior to stressing of tendons in posttensioned concrete and prior to removal of shores and forms from beams and structural slabs. | --- | X   | ACI 318: 6.2   | ---                      |
| 12. <input type="checkbox"/> Inspect formwork for shape, location, and dimensions of the concrete member being formed.  | --- | X   | ACI 318: 6.6.1   | ---                      |
| 13. <input type="checkbox"/> Bolts Installed in Existing Masonry or Concrete  |     |     |  |                          |
| <input type="checkbox"/> Direct tension testing of existing anchors.  | --- | X   | See ICC ES Reports form special inspection requirements for proprietary products |                          |
| <input type="checkbox"/> Direct tension testing of new bolts.   | --- | X   |  |                          |
| <input type="checkbox"/> Torque testing of new bolts.   | --- | X   |  |                          |
| <input type="checkbox"/> Prequalification test for bolts and other types of anchors.  | --- | X   |  |                          |
| 14. <input type="checkbox"/> Other:   |     |     |  |                          |
|   |     |     |  |                          |
|   |     |     |  |                          |
|   |     |     |  |                          |
|   |     |     |  |                          |

| VERIFICATION AND INSPECTION  | C   | P   | REFERENCE FOR CRITERIA |                        |                        |
|--|-----|-----|------------------------|------------------------|------------------------|
|  |     |     | IBC SECTION            | TMS 402/ACI 530/ASCE 5 | TMS 402/ACI 530/ASCE 6 |
| <b>INSPECTION OF LEVEL 1 MASONRY</b>   |     |     |                        |                        |                        |
| 1. <input type="checkbox"/> Compliance with required inspection provisions of the construction documents and the approved submittals shall be verified.                            | --- | X   | ---                    | ---                    | Art. 1.5               |
| 2. <input type="checkbox"/> Verification of $f'_m$ and $f'_{AAC}$ prior to construction except where specifically exempted by this code.   | --- | X   | ---                    | ---                    | Art. 1.4B              |
| 3. <input type="checkbox"/> Verification of slump flow and VSI as delivered to the site for self consolidating grout.  | X   | --- | ---                    | ---                    | Art. 1.5B.1.b.3        |
| 4. As masonry construction begins, the following shall be verified to ensure compliance:   |     |     |                        |                        |                        |
| <input type="checkbox"/> Proportions of site-prepared mortar.  | --- | X   | ---                    | ---                    | Art. 2.6A              |
| <input type="checkbox"/> Construction of mortar joints.  | --- | X   | ---                    | ---                    | Art.3.3B               |
| <input type="checkbox"/> Location of reinforcement, connectors, prestressing tendons, and anchorages.  | --- | X   | ---                    | ---                    | Art. 3.4, 3.6A         |
| <input type="checkbox"/> Prestressing technique.   | --- | X   | ---                    | ---                    | Art. 3.6B              |
| <input type="checkbox"/> Grade and size of prestressing tendons and anchorages.  | --- | X   | ---                    | ---                    | Art. 2.4B, 2.4H        |
| 5. During construction the inspection program shall verify:  |     |     |                        |                        |                        |
| <input type="checkbox"/> Size and location of structural elements.   | --- | X   | ---                    | ---                    | Art. 3.3F              |
| <input type="checkbox"/> Type, size, and location of anchors, including other details of anchorage of masonry to structural members, frames or other construction.                 | --- | X   | ---                    | Sec. 1.2.2(e), 1.16.1  | ---                    |
| <input type="checkbox"/> Specified size, grade, and type of reinforcement, anchor bolts, prestressing tendons and anchorages.  | --- | X   | ---                    | Sec. 1.15              | Art. 2.4, 3.4          |
| <input type="checkbox"/> Welding of reinforcing bars.  | X   | --- | ---                    | ---                    | ---                    |
| <input type="checkbox"/> Preparation, construction and protection of masonry during cold weather (temperature below 40 degrees F) or hot weather (temperature above 90 degrees F). | --- | X   | Sec. 2104.3, 2104.4    | ---                    | Art. 1.8C, 1.8D        |
| <input type="checkbox"/> Application and measurement of prestressing force.  | X   | --- | ---                    | ---                    | Art. 3.6B              |
| 6. Prior to grouting the following shall be verified to ensure compliance:   |     |     |                        |                        |                        |
| <input type="checkbox"/> Grout space is clean.   | --- | X   | ---                    | ---                    | Art. 3.2D              |
| <input type="checkbox"/> Placement of reinforcement and connectors and prestressing tendons and anchorages.  | --- | X   | ---                    | Sec. 1.3               | Art. 3.4               |
| <input type="checkbox"/> Proportions of site-prepared grout and prestressing grout for bonded tendons.   | --- | X   | ---                    | ---                    | Art. 2.6B              |
| <input type="checkbox"/> Construction of mortar joints.  | --- | X   | ---                    | ---                    | Art. 3.3B              |
| 7. Grout placement:  |     |     |                        |                        |                        |
| <input type="checkbox"/> Grout placement shall be verified ensure compliance.  | X   | --- | ---                    | ---                    | Art. 3.5               |
| <input type="checkbox"/> Observe grouting of prestressing bonded tendons.  | X   | --- | ---                    | ---                    | Art 3.6C               |

| VERIFICATION AND INSPECTION   | C   | P   | REFERENCE FOR CRITERIA |                             |                        |
|---|-----|-----|------------------------|-----------------------------|------------------------|
|   |     |     | IBC SECTION            | TMS 402/ACI 530/ASCE 5      | TMS 402/ACI 530/ASCE 6 |
| 8. <input type="checkbox"/> Preparation of any required grout specimens, mortar specimens, and/or prisms shall be observed.   | --- | X   | Sec. 2105.2.2, 2105.3  | ---                         | Art. 1.4               |
| <b>INSPECTION OF LEVEL 2 MASONRY</b>  |     |     |                        |                             |                        |
| 1. <input type="checkbox"/> Compliance with required inspection provisions of the construction documents and the approved submittals.   | --- | X   | ---                    | ---                         | Art. 1.5               |
| 2. <input type="checkbox"/> Verification of $f'_m$ and $f'_{AAC}$ prior to construction and for every 5,000 square feet during construction.  | --- | X   | ---                    | ---                         | Art. 1.4B              |
| 3. <input type="checkbox"/> Verification of proportions of materials in premixed or preblended mortar and grout as delivered to the site.   | --- | X   | ---                    | ---                         | Art. 1.5B              |
| 4. <input type="checkbox"/> Verification of slump flow and VSI as delivered to the site for self consolidating grout.   | X   | --- | ---                    | ---                         | Art. 1.5B.1.b.3        |
| 5. The following shall be verified to ensure compliance:  |     |     |                        |                             |                        |
| <input type="checkbox"/> Proportions of site-prepared mortar, grout, and prestressing grout for bonded tendons.   | --- | X   | ---                    | ---                         | Art. 2.6A              |
| <input type="checkbox"/> Placement of masonry units and construction of mortar joints.  | --- | X   | ---                    | ---                         | Art. 3.3B              |
| <input type="checkbox"/> Placement of reinforcement, connectors and prestressing tendons and anchorages.  | --- | X   | ---                    | Sec. 1.15                   | Art. 3.4, 3.6A         |
| <input type="checkbox"/> Grout space prior to grouting.   | X   | --- | ---                    | ---                         | Art. 3.2D              |
| <input type="checkbox"/> Placement of grout.  | X   | --- | ---                    | ---                         | Art. 3.5               |
| <input type="checkbox"/> Placement of prestressing grout.   | X   | --- | ---                    | ---                         | Art. 3.6C              |
| <input type="checkbox"/> Size and location of structural elements.  | --- | X   | ---                    | ---                         | Art. 3.3F              |
| <input type="checkbox"/> Type, size, and location of anchors, including other details of anchorage of masonry to structural members, frames and other construction.                 | X   | --- | ---                    | Sec.1.2.2(e)                | ---                    |
| <input type="checkbox"/> Specified size, grade, and type of reinforcement, anchor bolts, prestressing tendons and anchorages.   | --- | X   | ---                    | Sec. 1.15                   | Art. 2.4, 3.4          |
| <input type="checkbox"/> Welding of reinforcing bars.   | X   | --- | ---                    | Sec. 2.1.9.7.2, 3.3.3.4 (b) | ---                    |
| <input type="checkbox"/> Preparation, construction, and protection of masonry during cold weather (temperature below 40 degrees F) or hot weather (temperature above 90 degrees F). | --- | X   | Sec. 2104.3, 2104.4    | ---                         | Art. 1.8C, 1.8D        |
| <input type="checkbox"/> Application and measurement of prestressing force.   | X   | --- | ---                    | ---                         | Art. 3.6B              |
| 6. <input type="checkbox"/> Preparation of any required grout specimens, mortar specimens, and/or prisms shall be observed.   | X   | --- | Sec. 2105.2.2, 2105.3  | ---                         | Art. 1.4               |

| VERIFICATION AND INSPECTION   | C   | P   | REFERENCED STANDARD | IBC REFERENCE |
|---|-----|-----|---------------------|---------------|
| <b>INSPECTION OF WOOD</b>   |     |     |                     |               |
| 1. <input type="checkbox"/> Inspect prefabricated wood structural elements and assemblies in accordance with Section 1704.2.  | --- | --- | ---                 | 1704.6        |
| 2. <input type="checkbox"/> Inspect site built assemblies.  | --- | --- |                     |               |
| 3. Inspect high-load diaphragms:  |     |     |                     |               |
| <input type="checkbox"/> Verify grade and thickness of sheathing.   | --- | --- |                     |               |
| <input type="checkbox"/> Verify nominal size of framing members at adjoining panel edges.   | --- | --- |                     |               |
| <input type="checkbox"/> Verify nail or staple diameter and length,   | --- | --- | ---                 | 1704.6.1      |
| <input type="checkbox"/> Verify number of fastener lines,   | --- | --- |                     |               |
| <input type="checkbox"/> Verify spacing between fasteners in each line and at edge margins.   | --- | --- |                     |               |
| 4. <input type="checkbox"/> Metal-plate-connected wood trusses spanning 60 feet or greater: Verify temporary installation restraint/bracing and the permanent individual truss member bracing are installed in accordance with the approved truss submittal package.                                  | --- | X   | ---                 | 1704.6.2      |
| <b>REQUIRED VERIFICATION AND INSPECTION OF SOIL</b>   |     |     |                     |               |
| 1. <input type="checkbox"/> Verify materials below footings are adequate to achieve the desired bearing capacity.   | --- | X   |                     |               |
| 2. <input type="checkbox"/> Verify excavations are extended to proper depth and have reached proper material.   | --- | X   |                     |               |
| 3. <input type="checkbox"/> Perform classification and testing of compacted fill materials.   | --- | X   | ---                 | Table 1704.7  |
| 4. <input type="checkbox"/> Verify use of proper materials, densities and lift thicknesses during placement and compaction of compacted fill.   | X   | --- |                     |               |
| 5. <input type="checkbox"/> Prior to placement of compacted fill, observe subgrade and verify that site has been prepared properly.   | --- | X   |                     |               |
| <b>REQUIRED VERIFICATION AND INSPECTION OF DEEP DRIVEN FOUNDATION ELEMENTS</b>  |     |     |                     |               |
| 1. <input type="checkbox"/> Verify element materials, sizes and lengths comply with the requirements.   | X   | --- |                     |               |
| 2. <input type="checkbox"/> Determine capacities of test elements and conduct additional load tests, as required.   | X   | --- |                     |               |
| 3. <input type="checkbox"/> Observe driving operations and maintain complete and accurate records for each element.   | X   | --- |                     |               |
| 4. <input type="checkbox"/> Verify locations of piles and their plumbness, confirm type and size of hammer, record number of blows per foot of penetration, determine required penetrations to achieve design capacity, record tip and butt elevations and document any damage to foundation element. | X   | --- | ---                 | Table 1704.8  |
| 5. <input type="checkbox"/> For steel elements, perform additional inspections in accordance with Section 1704.3.   | --- | --- |                     |               |
| 6. <input type="checkbox"/> For concrete elements and concrete filled elements, perform additional inspections in accordance with Section 1704.4.   | --- | --- |                     |               |

| VERIFICATION AND INSPECTION   | C   | P   | REFERENCED STANDARD | IBC REFERENCE |
|---|-----|-----|---------------------|---------------|
| 7. <input type="checkbox"/> For specialty piles, perform additional inspections as determined by the registered design professional in responsible charge.  | --- | --- | ---                 | Table 1704.8  |
| <b>REQUIRED VERIFICATION AND INSPECTION OF CAST-IN-PLACE DEEP FOUNDATION ELEMENTS</b>   |     |     |                     |               |
| 1. <input type="checkbox"/> Observe drilling operations and maintain complete and accurate records for each element.  | X   | --- | ---                 | Table 1704.9  |
| 2. <input type="checkbox"/> Verify placement locations and plumbness, confirm element diameters, bell diameters (if applicable), lengths, embedment into bedrock (if applicable), and adequate end-bearing strata capacity. Record concrete or grout volumes. | X   | --- |                     |               |
| 3. <input type="checkbox"/> For concrete elements, perform additional inspections in accordance with Section 1704.4.  | --- | --- |                     |               |
| <b>HELICAL PILE FOUNDATIONS</b>   |     |     |                     |               |
| 1. <input type="checkbox"/> Record installation equipment used, pile dimensions, tip elevations, final depth, final installation torque.  | X   | --- | ---                 | 1704.10       |
| <b>SPRAYED FIRE-RESISTANT MATERIALS</b>   |     |     |                     |               |
| Physical and visual tests   |     |     |                     |               |
| 1. Condition of substrates.   |     |     |                     |               |
| <input type="checkbox"/> Inspect surface for accordance with the approved fire-resistance design and the approved manufacturer's written instructions.  | --- | --- | ---                 | 1704.12.1     |
| <input type="checkbox"/> Verify minimum ambient temperature before and after application.   | --- | X   |                     |               |
| <input type="checkbox"/> Verify ventilation of area during and after application.   | --- | X   |                     |               |
| 2. <input type="checkbox"/> Measure average thickness per ASTM E605 and Section 1704.12.4.  | --- | --- |                     |               |
| 3. <input type="checkbox"/> Verify density of material for conformance with the approved fire-resistant design and ASTM E605. (Ref. Section 1704.12.5)  | --- | --- |                     |               |
| 4. <input type="checkbox"/> Test cohesive/adhesive bond strength per Section 1704.12.6.   | --- | --- |                     |               |
| 5. <input type="checkbox"/> Condition of finished application.  |     |     |                     |               |
| <b>MISCELLANEOUS</b>  |     |     |                     |               |
| 1. Mastic and Intumescent Fire-Resistant Coating.   | --- | --- | ---                 | 1704.13       |
| 2. Exterior Insulation and Finish Systems (EIFS). Water-resistive barrier coating when installed over a sheathing substrate.  | --- | --- | ---                 | 1704.14       |
| 3. Special Cases  | --- | --- | ---                 | 1704.15       |
| 4. Smoke Control System   | --- | --- | ---                 | 1704.16       |
| 5. Seismic Resistance   |     |     |                     |               |
| <input type="checkbox"/> Suspended ceiling systems and their anchorage.   | --- | --- | ---                 | 1705.3 [4.3]  |

| VERIFICATION AND INSPECTION   | C   | P   | REFERENCED STANDARD | IBC REFERENCE |
|---|-----|-----|---------------------|---------------|
| <b>6. Wind Resistance</b>   |     |     |                     |               |
| <input type="checkbox"/> Roof cladding and roof framing connections.  | --- | --- | ---                 |               |
| <input type="checkbox"/> Wall connections to roof and floor diaphragms and framing.   | --- | --- | ---                 |               |
| <input type="checkbox"/> Roof and floor diaphragm systems, including collectors, drag struts and boundary elements.   | --- | --- | ---                 |               |
| <input type="checkbox"/> Vertical wind-force-resisting systems, including braced frames, moment frames, and shear walls.  | --- | --- | ---                 |               |
| <input type="checkbox"/> Wind-force-resisting system connections to the foundation.   | --- | --- | ---                 |               |
| <input type="checkbox"/> Fabrication and installation of systems or components required to meet the impact resistance requirements of Section 1609.1.2.   | --- | --- | ---                 |               |
| <b>SPECIAL INSPECTION FOR WIND REQUIREMENTS</b>   |     |     |                     |               |
| <b>1. Structural Wood</b>   |     |     |                     |               |
| <input type="checkbox"/> Inspect field gluing operations of elements of the main wind-force-resisting system.   | X   | --- | ---                 | 1706.2        |
| <input type="checkbox"/> Inspect nailing, bolting, anchoring, and other fastening of components within the main windforce-resisting system, including wood shear walls, wood diaphragms, drag struts, braces and hold-downs.                    | --- | X   |                     |               |
| <b>2. Cold-Formed Steel Framing</b>   |     |     |                     |               |
| <input type="checkbox"/> Welding of elements of the main wind-force-resisting system.   | --- | X   | ---                 | 1706.3        |
| <input type="checkbox"/> Inspection of screw attachments, bolting, anchoring, and other fastening of components within the main wind-force-resisting system including shear walls, braces, diaphragms, collectors (drag struts) and hold-downs. | --- | X   |                     |               |
| <b>3. Wind-resisting components</b>   |     |     |                     |               |
| <input type="checkbox"/> Roof cladding.   | --- | X   | ---                 | 1706.4        |
| <input type="checkbox"/> Wall cladding.   | --- | X   |                     |               |
| <b>SPECIAL INSPECTIONS FOR SEISMIC RESISTANCE</b>   |     |     |                     |               |
| 1. <input type="checkbox"/> Special inspection for welding in accordance with the quality assurance plan requirements of AISC 341.  | X   | --- |                     | 1707.2        |
| <b>2. Structural Wood</b>   |     |     |                     |               |
| <input type="checkbox"/> Inspect field gluing operations of elements of the seismic-force-resisting system.   | X   | --- |                     | 1707.3        |
| <input type="checkbox"/> Inspect nailing, bolting, anchoring, and other fastening of components within the seismic-force-resisting system, including wood shear walls, wood diaphragms, drag struts, braces, shear panels and hold-downs.       | --- | X   |                     |               |
| <b>3. Cold-Formed steel light-frame construction</b>  |     |     |                     |               |
| <input type="checkbox"/> Welding of elements of the seismic-force-resisting system.   | --- | X   |                     | 1707.4        |

|   |     |     |     |        |
|---|-----|-----|-----|--------|
| <input type="checkbox"/> Inspection of screw attachments, bolting, anchoring, and other fastening of components within the seismic-force-resisting system including shear walls, braces, diaphragms, collectors (drag struts) and hold-downs. | --- | X   |     |        |
| 4. Storage racks and access floors  |     |     |     |        |
| <input type="checkbox"/> Anchorage of storage racks 8 feet or greater in height and access floors.  | --- | X   |     | 1707.5 |
| 5. Architectural components   |     |     |     |        |
| <input type="checkbox"/> Inspect erection and fastening of exterior cladding weighing more than 5 psf and higher than 30 feet above grade or walking surface.   | --- | X   | --- | 1707.6 |
| <input type="checkbox"/> Inspect erection and fastening of veneer weighing more than 5 psf and higher than 30 feet above grade or walking surface.  | --- | X   |     |        |
| <input type="checkbox"/> Inspect erection and fastening of all exterior non-bearing walls higher than 30 feet above grade or walking surface.   | --- | X   |     |        |
| <input type="checkbox"/> Inspect erection and fastening of all interior non-bearing walls weighing more than 15 psf and higher than 30 feet above grade or walking surface.   | --- | X   |     |        |
| 6. Mechanical and Electrical Components   |     |     |     |        |
| <input type="checkbox"/> Inspect anchorage of electrical equipment for emergency or stand-by power systems.   | --- | X   | --- | 1707.7 |
| <input type="checkbox"/> Inspect anchorage of non-emergency electrical equipment.   | --- | X   |     |        |
| <input type="checkbox"/> Inspect installation of piping systems and associated mechanical units carrying flammable, combustible, or highly toxic contents.  | --- | X   |     |        |
| <input type="checkbox"/> Inspect installation of HVAC ductwork that contains hazardous materials.   | --- | X   |     |        |
| <input type="checkbox"/> Inspect installation of vibration isolation systems where required by Section 1707.7.  | --- | X   |     |        |
| 7. <input type="checkbox"/> Verify that the equipment label and anchorage or mounting conforms to the certificate of compliance when mechanical and electrical equipment must be seismically qualified.                                       | --- | --- | --- | 1707.8 |
| 8. <input type="checkbox"/> Seismic isolation system: Inspection of isolation system per ASCE 7 – Section 17.2.4.8  | --- | X   | --- | 1707.9 |
| 9. <input type="checkbox"/> Obtain mill certificates for reinforcing steel, verify compliance with approved construction documents, and verify steel supplied corresponds to certificate.   | --- | --- | --- | 1708.2 |
| 10. <input type="checkbox"/> Structural Steel: Invoke the QAP Quality Assurance requirements in AISC 341.   | --- | --- | --- | 1708.3 |
| 11. <input type="checkbox"/> Obtain certificate that equipment has been seismically qualified.  | --- | --- | --- | 1708.4 |
| 12. <input type="checkbox"/> Obtain system tests as required by ASCE 7 Section 17.8.  | --- | --- | --- | 1708.5 |