



City of Gonzales

Building Department

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STATEMENT OF SPECIAL INSPECTIONS

SITE ADDRESS	APN	BP#
Owner.....	Contractor.....	
Address.....	Address.....	
City/St..... Zip..... Phone.....	City/St..... Zip..... Phone.....	
Petitioner.....	Engineer/Architect.....	
Address.....	Address.....	
City/St..... Zip..... Phone.....	City/St..... Zip..... Phone.....	
PROJECT DESCRIPTION:		

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 Engineers Association of Northern California's](#) (SEAONC) model statement of Special Inspections. Also included shall be the following:

- "LIST OF TESTING AGENCIES" (page 2). A list of the 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 will 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, 1707, and 1708. Interim reports will be submitted to the Director of Building Services 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 Director of Building Services 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: <input type="checkbox"/> Project <input type="checkbox"/> Engineer <input type="checkbox"/> Architect: Registered Design Professional in Charge	Signature: Lic. #: Date:
Owner Name: Owner's Authorization	Signature: Date:
Inspection Agency / Inspector Name:	Signature: Date:
Building Official: Building Official's Acceptance	Signature: Date:

PROJECT DESCRIPTION:	
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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.

Code Section	Verification and Inspection	C	P	NOTES
1704 – SPECIAL INSPECTIONS				
1704.2.1	<input type="checkbox"/> Inspect fabricator's fabrication and quality control procedures.	---	---	
Table 1704.3 STEEL	1. Material verification of high-strength bolts, nuts, and washers.			
	<input type="checkbox"/> Identification markings to conform to ASTM stds specified in the approved construction documents.		X	
	<input type="checkbox"/> Manufacturer's certificate of compliance required.		X	
	2. Inspection of high-strength bolting:			
	<input type="checkbox"/> Bearing-type connections.		X	
	<input type="checkbox"/> Slip-critical connections	X	X	
	3. Material verification of structural steel:			
	<input type="checkbox"/> Identification markings to conform to ASTM stds specified in the approved construction documents.	---	---	
	<input type="checkbox"/> Manufacturer's mill test reports	---	---	
	4. Material verification of weld filler materials:			
	<input type="checkbox"/> Identification markings to conform to AWS designation listed in the WPS.	---	---	
	<input type="checkbox"/> Manufacturer's certificate of compliance required.	---	---	
	5. Inspection of welding for Structural steel			
	<input type="checkbox"/> Complete and partial penetration groove welds.	X		
	<input type="checkbox"/> Multipass fillet welds.	X		
	<input type="checkbox"/> Single-pass fillet welds > 5/16"	X		
	<input type="checkbox"/> Single-pass fillet welds ≤ 5/16"		X	
	<input type="checkbox"/> Floor and roof deck welds.		X	
	6. Inspection of welding for Reinforcing steel			
	<input type="checkbox"/> Verification of weldability of reinforcing steel other than ASTM A706.			X
<input type="checkbox"/> 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			
<input type="checkbox"/> Shear reinforcement.	X			
<input type="checkbox"/> Other reinforcing steel		X		
7. Inspection of steel frame joint details for compliance with approved construction documents:				
a. Details such as bracing and stiffening.			X	
b. Member locations.			X	
c. Application of joint details at each connection.			X	
1704.3	1. <input type="checkbox"/> Welded studs when used for structural diaphragms.		X	
WELDING	2. <input type="checkbox"/> Welding of cold-formed sheet steel framing members.		X	
	3. <input type="checkbox"/> Welding of stairs and railing systems.		X	

Code Section	Verification and Inspection	C	P	NOTES
1704.4 CONCRETE	1. <input type="checkbox"/> Inspection of reinforcing steel, including prestressing tendons and placement.		X	
	2. <input type="checkbox"/> Inspection of reinforcing steel welding in accordance with Table 1704.3 Item 5b.	---	---	
	3. <input type="checkbox"/> Inspect bolts to be installed in concrete prior to and during placement of concrete where allowable loads have been increased.	X		
	4. <input type="checkbox"/> Verifying use of required design mix.		X	
	5. <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		
	6. <input type="checkbox"/> Inspection of concrete and shotcrete placement for proper application techniques.	X		
	7. <input type="checkbox"/> Inspection for maintenance of specified curing temperature and techniques.		X	
	8. Inspection of prestressed concrete			
	<input type="checkbox"/> Application of prestressing forces.	X		
	<input type="checkbox"/> Grouting of bonded prestressing tendons in the seismic force-resisting system.	X		
	9. <input type="checkbox"/> Erection of precast concrete members.		X	
10. <input type="checkbox"/> Verification of in-situ concrete strength, prior to stressing of tendons in postensioned concrete and prior to removal of shores and forms from beams and structural slabs.		X		
11. <input type="checkbox"/> Inspect formwork for shape, location, and dimensions of the concrete member being formed.		X		
Table 1704.5.1	1. At the start of masonry construction verify the following to ensure compliance:			
LEVEL 1 MASONRY INSPECTIONS	<input type="checkbox"/> Proportions of site-prepared mortar.		X	
	<input type="checkbox"/> Construction of mortar joints.		X	
	<input type="checkbox"/> Location of reinforcement, connectors, prestressing tendons, and anchorages.		X	
	<input type="checkbox"/> Prestressing technique.		X	
	<input type="checkbox"/> Grade and size of prestressing tendons and anchorages.		X	
	2. Verify:			
	<input type="checkbox"/> Size and location of structural elements.		X	
	<input type="checkbox"/> Type, size, and location of anchors, including other details of anchorage of masonry to structural members, frames or other construction.		X	
	<input type="checkbox"/> Specified size, grade, and type of reinforcement.		X	
	<input type="checkbox"/> Welding of reinforcing bars.	X		
	<input type="checkbox"/> Protection of masonry during cold weather (temperature below 40 degrees F) or hot weather (temperature above 90 degrees F)		X	
	<input type="checkbox"/> Application and measurement of prestressing force.		X	
	3. Prior to grouting verify the following to verify compliance.			
	<input type="checkbox"/> Grout space is clean.		X	
	<input type="checkbox"/> Placement of reinforcement and connectors and prestressing tendons and anchorages.		X	
	<input type="checkbox"/> Proportions of site-prepared grout and prestressing grout for bonded tendons.		X	
	<input type="checkbox"/> Construction of mortar joints.		X	
4. Grouting				
<input type="checkbox"/> Verify grout placement to ensure compliance with code and construction document provisions.	X			
<input type="checkbox"/> Observe grouting of prestressing bonded tendons.	X			

Code Section	Verification and Inspection	C	P	NOTES
	5. <input type="checkbox"/> Observe preparation of required grout specimens, mortar specimens, and/or prisms.	X		
	6. <input type="checkbox"/> Verify compliance with required inspection provisions of the construction documents and the approved submittals.		X	
Table 1704.5.3 LEVEL 2 MASONRY INSPECTIONS	1. From the beginning of masonry construction the following shall be verified to ensure compliance:			
	<input type="checkbox"/> Proportions of site-prepared mortar, grout, and prestressing grout for bonded tendons.		X	
	<input type="checkbox"/> Placement of masonry units and construction of mortar joints.		X	
	<input type="checkbox"/> Placement of reinforcement, connectors and prestressing tendons and anchorages.		X	
	<input type="checkbox"/> Grout space prior to grouting.	X		
	<input type="checkbox"/> Placement of grout.	X		
	<input type="checkbox"/> Placement of prestressing grout.	X		
Table 1704.5.3 LEVEL 2 MASONRY INSPECTIONS	2. Verify			
	<input type="checkbox"/> Size and location of structural elements.		X	
	<input type="checkbox"/> Type, size, and location of anchors, including other details of anchorage of masonry to structural members, frames and other construction.	X		
	<input type="checkbox"/> Specified size, grade, and type of reinforcement.		X	
	<input type="checkbox"/> Welding of reinforcing bars.	X		
	<input type="checkbox"/> Protection of masonry during cold weather (temperature below 40 degrees F) or hot weather (temperature above 90 degrees F).		X	
	<input type="checkbox"/> Application and measurement of prestressing force.	X		
	3. <input type="checkbox"/> Preparation of any required grout specimens, mortar specimens, and/or prisms shall be observed.	X		
	4. <input type="checkbox"/> Compliance with required provisions of construction documents and the approved submittals shall be verified.		X	
1704.6	1. <input type="checkbox"/> Inspect prefabricated wood structural elements and assemblies in accordance with Section 1704.2	---	---	
	2. <input type="checkbox"/> Inspect site built assemblies.	---		
1704.6.1 HIGH-LOAD DIAPHRAGMS	1. <input type="checkbox"/> Verify grade and thickness of sheathing.	---		
	2. <input type="checkbox"/> Verify nominal size of framing members at adjoining panel edges.	---		
	3. <input type="checkbox"/> Verify: a. Nail or staple diameter and length, b. Number of fastener lines, c. Spacing between fasteners in each line and at edge margins.	---	---	
Table 1704.7 SOILS	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 controlled fill materials.		X	
	4. <input type="checkbox"/> Verify use of proper materials, densities and lift thicknesses during placement and compaction of controlled fill.	X		
	5. <input type="checkbox"/> Prior to placement of controlled fill, observe subgrade and verify that site has been prepared properly.		X	
Table 1704.8 PILE FOUNDATIONS	1. <input type="checkbox"/> Verify pile materials, sizes and lengths comply with the requirements.	X		
	2. <input type="checkbox"/> Determine capacities of test piles and conduct additional load tests, as required.	X		
	3. <input type="checkbox"/> Observe driving operations and maintain complete and accurate records for each pile.	X		

		C	P	NOTES
Table 1704.8 PILE FOUNDATIONS	4. <input type="checkbox"/> Verify locations of piles and their plumbness. a. Confirm type and size of hammer. b. Record number of blows per foot of penetration. c. Determine required penetrations to achieve design capacity. d. Record tip and but elevations and record any pile damage.	X		
	5. <input type="checkbox"/> For steel piles, perform additional inspections in accordance with Section 1704.3.	---	---	
	6. <input type="checkbox"/> For specialty piles, perform additional inspections as determined by the registered design professional in responsible charge.	---	---	
	7. <input type="checkbox"/> For augered uncased piles and caisson piles, perform inspections in accordance with Section 1704.9.	---	---	
Table 1704.9 PIER FOUNDATIONS	1. <input type="checkbox"/> Observe drilling operations and maintain complete and accurate records for each pier.	X		
	2. <input type="checkbox"/> Verify locations of piers and their plumbness. Confirm: a. Pier diameters, b. Bell diameters (if applicable), c. Lengths, embedment into bedrock (if applicable), d. Adequate end strata bearing capacity.	X		
1704.10 SPRAYED FIRE- RESISTANT MATERIAL	1. <input type="checkbox"/> Inspect surface for accordance with the approved fire-resistance design and the approved manufacturer's written instructions.	---	---	
	2. <input type="checkbox"/> Verify minimum ambient temperature before and after application.	---	---	
	3. <input type="checkbox"/> Verify ventilation of area during and after application.		X	
	4. <input type="checkbox"/> Measure average thickness per ASTM E605 and Section 1704.10.3.	---	---	
	5. <input type="checkbox"/> Verify density of material for conformance with the approved fire-resistant design and ASTM E605.	---	---	
	6. <input type="checkbox"/> Test cohesive/adhesive bond strength per Section 1704.10.5.	---	---	
1704.11	<input type="checkbox"/> Mastic and Intumescent Fire-Resistant Coating	---	---	
1704.12	<input type="checkbox"/> Exterior Insulation and Finish Systems (EIFS)	---	---	
1704.13	<input type="checkbox"/> Alternate Materials and Systems	---	---	
1704.14	<input type="checkbox"/> Smoke Control System	---	---	
SECTION 1705 – STATEMENT OF SPECIAL INSPECTIONS				
1705.3.4 [4.3] SEISMIC	<input type="checkbox"/> Suspended ceiling systems and their anchorage.	---	---	
1705.4.2 WIND	1. <input type="checkbox"/> Roof cladding and roof framing connections.	---	---	
	2. <input type="checkbox"/> Wall connections to roof and floor diaphragms and framing.	---	---	
	3. <input type="checkbox"/> Roof and floor diaphragm systems, including collectors, drag struts and boundary elements	---	---	
	4. <input type="checkbox"/> Vertical wind-force-resisting systems, including braced frames, moment frames, and shear walls.	---	---	
	5. <input type="checkbox"/> Wind-force-resisting system connections to the foundation.	---	---	
	6. <input type="checkbox"/> Fabrication and installation of systems or components required to meet the impact resistance requirements of Section 1609.1.2.	---	---	

		C	P	NOTES
SECTION 1707 - SPECIAL INSPECTION FOR SEISMIC RESISTANCE				
1707.2	<input type="checkbox"/> Special inspection for welding in accordance with AISC 341.	X		
1707.3 WOOD	<input type="checkbox"/> Inspect field gluing operations of elements of the seismic-force-resisting system.	X		
	<input type="checkbox"/> Inspect nailing, bolting, anchoring, and other fastening of components within the seismic-force-resisting system, including: a. wood shear walls, b. wood diaphragms, c. drag struts, braces, d. shear panels, e. hold-downs.		X	
1707.4 COLD-FORMED STEEL FRAMING	<input type="checkbox"/> Welding of elements of the seismic-force-resisting system.		X	
	<input type="checkbox"/> Inspection of screw attachments, bolting, anchoring, and other fastening of components within the seismic-force-resisting system including struts, braces, and hold-downs.		X	
1707.5 PIER FOUNDATIONS	1. <input type="checkbox"/> Placement of reinforcing		X	
	2. <input type="checkbox"/> Placement of concrete	X		
1707.6	<input type="checkbox"/> Anchorage of storage racks and access floors 8 feet or greater in height.		X	
1707.7 ARCHITECTURAL COMPONENTS	1. <input type="checkbox"/> Inspect erection and fastening of exterior cladding weighing more than 5 psf.		X	
	2. <input type="checkbox"/> Inspect erection and fastening of interior and exterior non-bearing walls weighing more than 15 psf.		X	
	3. <input type="checkbox"/> Inspect erection and fastening of interior and exterior veneer weighing more than 5 psf.		X	
1707.8 MECHANICAL AND ELECTRICAL COMPONENTS	1. <input type="checkbox"/> Inspect anchorage of electrical equipment for emergency or stand-by power systems.		X	
	2. <input type="checkbox"/> Inspect anchorage of non-emergency electrical equipment.		X	
	3. <input type="checkbox"/> Inspect installation of piping systems and associated mechanical units carrying flammable, combustible, or highly toxic contents.		X	
	4. <input type="checkbox"/> Inspect installation of HVAC ductwork that contains hazardous materials.		X	
	5. <input type="checkbox"/> Inspect installation of vibration isolation systems where required by Section 1707.8.		X	
1707.9	<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.	---	---	
1707.10	<input type="checkbox"/> Seismic isolation system: Inspection of isolation system per ASCE 7 – Section 17.2.4.8		X	
SECTION 1708.1 - STRUCTURAL MASONRY TESTING FOR SEISMIC RESISTANCE				
1708.1.1	<input type="checkbox"/> Verify certificates of compliance prior to construction.	---	---	
1708.1.2	<input type="checkbox"/> Verification of f_m and f_{AAC} prior to construction.	---	---	
1708.1.4	<input type="checkbox"/> Verification of f_m and f_{AAC} every 5000 square feet during construction.		X	
1708.1.4	<input type="checkbox"/> Verification of proportions of materials in mortar and grout as delivered to the site.	---	---	
1708.3	<input type="checkbox"/> Obtain mill certificates for reinforcing steel, verify compliance with approved construction documents, and verify steel supplied corresponds to certificate.	---	---	
1708.4	<input type="checkbox"/> Structural Steel: Invoke the QAP Quality Assurance requirements in AISC 341.	---	---	
1708.5	<input type="checkbox"/> Obtain certificate that equipment has been tested per Section 1708.5.	---	---	
1708.6	<input type="checkbox"/> Obtain system tests as required by ASCE 7 Section 17.8.	---	---	