



Statement of Special Inspection
Periodic and Continuous Inspection Schedule

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Steel Construction – Verification / Inspection See Table 1704.3 – Required Verification and Inspection of Steel Construction	Continuous	Periodic
1. Material verification of high-strength bolts, nuts and washers		
a. Identification markings to conform to ASTM standards specified in the approved construction documents.	---	X
b. Manufacturer’s certificate of compliance required	---	X
2. Inspection of high-strength bolting		
a. Snug-tight joints.	---	X
b. Pretensioned and slip-critical joints using turn-of-nut with matchmarking, twist-off bolt or direct tension indicator methods of installation.	---	X
c. 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:		
a. For structural steel, identification markings to conform to AISC 360.	---	X
b. For other steel, identification markings to conform to ASTM Standards specified in the approved construction documents.	---	X
c. Manufacturer’s certified test reports.	---	X
4. Material verification of weld filler materials:		
a. Identification markings to conform to AWS specification in the approved construction documents.	---	X
b. Manufacturer’s certificate of compliance required.	---	X
5. Inspection of welding:		
a. Structural steel and cold-formed steel deck:		
1. Complete and partial joint penetration groove welds	X	---
2. Multipass fillet welds	X	---
3. Single-pass fillet welds >5/16”	X	---
4. Plug and slot welds.	X	---
5. Single-pass fillet welds <5/16”	---	X
6. Floor and roof deck welds	---	
b. Reinforcing steel:		
1. Verification of weldability of reinforcing steel other than ASTM A 706	---	X
2. 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	---
3. Shear reinforcement	X	---
4. Other reinforcing steel	---	X
6. Inspection of steel frame joint details for compliance		
d. Details such as bracing and stiffening	---	X
e. Member locations.	---	X
f. Application of joint details at each connection.	---	X

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Concrete Construction – Verification / Inspection	Continuous	Periodic
See Table 1704.4 – Required Verification and Inspection of Concrete Construction		
1. Inspection of reinforcing steel welding in accordance with Table 1704.3, Item 5b.	---	X
2. 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	---
3. Inspection of anchors installed in hardened concrete.	---	X
4. Verifying use of required design mix.	---	X
5. At the 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. Inspection of concrete and shotcrete placement for proper application techniques.	X	---
7. Inspection for maintenance of specified curing temperatures and techniques.	X	---
8. Inspection of prestressed concrete:		
a. Application of prestressing forces.	X	---
b. Grouting of bonded prestressing tendons in the seismic-force-resisting system	X	---
9. Erection of precast concrete members.	---	X
10. 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
11. Inspect framework for shape, location and dimensions of the concrete member being formed.	---	X
Masonry Level 1 – Verification / Inspection		
See Table 1704.5.1 – Level 1 Special Inspection		
1. Compliance with required inspection provision of the construction documents and the approved submittals shall be verified.	---	X
2. Verification of f'm and f' AAC prior to construction except where specifically exempted by this code.	---	X
3. Verification of slump flow and VSI as delivered to the site for self-consolidating grout.	X	---
4. As masonry construction begins, the following shall be verified to ensure compliance:		
a. Proportions of site-prepared mortar.	---	X
b. Construction of mortar joints.	---	X
c. Location of reinforcement, connectors, prestressing tendons and anchorages.	---	X
d. Prestressing Technique.	---	X
e. Grade and size of prestressing tendons and anchorages.	---	X
5. During construction 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, anchor bolts, prestressing tendons and anchorages.	---	X
d. Welding of reinforcing bars.	X	---
e. Preparation, construction and protection of masonry during cold weather (temperature below 40 degrees F) or hot weather (temperature above 90 degrees F).	---	X
f. Application and measurement of prestressing force.	X	---
6. Prior to grouting, the following shall be verified 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



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Masonry Level 1 – Verification / Inspection – (Continued)	Continuous	Periodic
d. Construction of mortar joints.	---	X
7. Grout placement shall be verified to ensure compliance:	X	---
a. Grouting of prestressing bonded tendons.	X	X
8. Preparation of any required grout specimens, mortar specimens and/or prisms shall be observed.	---	X
Soils – Verification / Inspection See Table 1704.7		
1. Verify materials below shallow foundations are adequate to achieve the design bearing capacity.	---	X
2. Verify excavations are extended to proper depth and have reached proper material.	---	X
3. Perform classification and testing of compacted fill materials.	---	X
4. Verify use of proper materials, densities and lift thicknesses during placement and compaction of compacted fill.	X	---
5. Prior to placement of compacted fill, observe subgrade and verify that site has been prepared properly.	---	X
Deep Driven Foundation Elements – Verification / Inspection See Table 1704.8		
1. Verify element materials, sizes and lengths comply with the requirements.	X	---
2. Determine capacities of test elements and conduct additional food tests, as required.	X	---
3. Observe driving operations and maintain complete and accurate records for each element.	X	---
4. Verify placement locations and plumbness, confirm type and size of hammer, record number of flows per foot of penetrations, determine required penetrations to achieve design capacity, record tip and butt elevations and document any damage to foundation element.	X	---
5. For steel elements, perform additional inspections in accordance with Section 1704.3.	---	---
6. For concrete elements and concrete-filled elements, perform additional inspections in accordance with Section 1704.4.	---	---
7. For specialty elements, perform additional inspections in accordance with Section 1704.3.	---	---
Cast-In-Place Deep Foundation Elements – Verification / Inspection See Table 1704.9		
1. Observe drilling operations and maintain complete and accurate records for each element.	X	---
2. 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. For concrete elements, perform additional inspections in accordance with Section 1704.4.	---	X
Other Materials – Verification / Inspection		
Other Work – Verification / Inspection		
Design License Professional _____ in Responsible Charge		
Print	Signature	Date