



Fairfax County, Virginia – Land Development Services  
 Special Inspections Program  
 Statement of Special Inspections



Address: \_\_\_\_\_ Project Name: \_\_\_\_\_

Project Description: \_\_\_\_\_ Permit Number: \_\_\_\_\_

Height/Stories: \_\_\_\_\_ Group(s): \_\_\_\_\_ Construction Type(s): \_\_\_\_\_ Risk Category: \_\_\_\_\_ Seismic Design Category: \_\_\_\_\_

Problem Soils: Yes No Prepared Fill: Yes No Sprinkler: Yes No Fire Alarm: Yes No

**This statement of special inspections is submitted as a condition for permit issuance in accordance with the *Virginia Construction Code (VCC)*. It includes a schedule of special inspections applicable to this project. The special inspections engineer of record shall keep records of specified special inspections and testing and shall furnish copies of corresponding reports to the Fairfax County Critical Structures Section and to the appropriate registered design professionals of record. Discrepancies from the approved plans and specifications and code violations observed in the field shall be brought to the immediate attention of the contractor, the Critical Structures Section and the appropriate registered design professionals of record. A final special inspections report documenting completion of special inspections, discrepancies correction, and observed code violations shall be approved by the Critical Structures Section prior to the final building inspection.**

**Structural Engineer of Record:** \_\_\_\_\_ License Number: \_\_\_\_\_ Company: \_\_\_\_\_

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

Email Address: \_\_\_\_\_ Phone Number: \_\_\_\_\_

**Architect of Record:** \_\_\_\_\_ License Number: \_\_\_\_\_ Company: \_\_\_\_\_

**Geotechnical Engineer of Record:** \_\_\_\_\_ License Number: \_\_\_\_\_ Company: \_\_\_\_\_

**Special Inspection Engineer of Record:** \_\_\_\_\_ License Number: \_\_\_\_\_ Company: \_\_\_\_\_

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

Email Address: \_\_\_\_\_ Phone Number: \_\_\_\_\_

Inspection and Testing Agency Name: \_\_\_\_\_

**Building Owner:** \_\_\_\_\_ Company: \_\_\_\_\_

Authorization signature: \_\_\_\_\_ Date: \_\_\_\_\_

Street Address: \_\_\_\_\_ City: \_\_\_\_\_ State: \_\_\_\_\_ Zip Code: \_\_\_\_\_



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Email Address: \_\_\_\_\_ Phone Number: \_\_\_\_\_

General Contractor: \_\_\_\_\_ License Number: \_\_\_\_\_ Company: \_\_\_\_\_

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

Email Address: \_\_\_\_\_ Phone Number: \_\_\_\_\_

Critical Structures Section Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Activity (VCC Reference)	Y/N	Scope of Service	Continuous	Periodic	Agent
<b>Steel Construction (VCC 1705.2)</b>					
<b>Structural steel</b> (VCC 1705.2.1, see Appendix B of the Fairfax County Special Inspection Manual and AISC 360 for the tables below) -Welding: Tables C-N5.4-1, C-N5.4-2, C-N5.4-3 -Bolting: Tables C-N5.6-1, C-N5.6-2, C-N5.6-3		AISC 360 Chapter N, Quality Control and Quality Assurance			
<b>Cold-formed steel deck</b> (VCC 1705.2.2, see Appendix C of the Fairfax County Special Inspection Manual and SDI QA/QC for the tables below) 1.1, 1.2, 1.3, 1.4, 1.5, 1.6, 1.7, and 1.9		SDI QA/QC- 2011 Standard for Quality Control and Quality Assurance for Installation of Steel Deck			
<b>Open-web steel joists and joist girders</b> (VCC 1705.2.3, Table 1705.2.3) -End connection – Welding or bolted -Bridging – horizontal or diagonal 1- Standard Bridging 2- Bridging that differs from the SJI specifications listed in section 2207.1				X	
<b>Cold-formed steel trusses spanning 60 feet or more</b> (VCC 1705.2.4)					
<b>Special seismic requirements</b> (VCC 1705.12, 1705.13)					
<b>Concrete Construction (VCC 1705.3, Table 1705.3)</b>					
1. Inspect reinforcement including prestressing tendons and verify placement				X	
2. Reinforcing bar welding: a. Verify weldability of reinforcing bars other than ASTM A706 b. Inspect single-pass fillet welds, maximum 5/16" c. Inspect all other welds			X	X	
3. Inspect anchors cast in concrete				X	
4. Inspect anchors post-installed in hardened concrete members a. Adhesive anchors installed in horizontally or upwardly inclined orientations to resist sustained tension loads b. Mechanical anchors and adhesive anchors not defined in 4.a.			X	X	



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5. Verify use of required design mix				X	
6. Prior to concrete placement, fabricate specimens for strength tests, perform slump and air content tests, and determine the temperature of the concrete			X		
7. Inspect concrete and shotcrete placement for proper application techniques			X		
8. Verify maintenance of specified curing temperature and techniques				X	
9. Inspect prestressed concrete for: a. Application for prestressing forces b. Grouting of bonded prestressing tendons			X X		
10. Inspect erection of precast concrete members				X	
11. Verify in-situ concrete strength, prior to stressing of tendons in post-tensioned concrete and prior removal of shores and forms from beams and structural slabs				X	
12. Inspect formwork for shape, location, and dimensions of the concrete member being formed, shoring and reshoring				X	
Activity (VCC Reference)	Y/N	Scope of Service	Continuous	Periodic	Agent
<b>Masonry Construction (VCC 1705.4)</b>		<b>(see attached tables)</b>			
--Emp.-Cat. IV, Engr.-Cat. I, II, III (See Table 1.19.2 - Level B Quality Assurance of Building Code Requirements and specification for Masonry Structures TMS 402-11/ ACI 530-13/ ASCE 5-13 (See attached table)		(See Appendix D of the Fairfax County Special Inspection Manual and TMS 402-11/ ACI 530-13/ ASCE 5-13)			
<b>Engr.-Cat. IV</b> (See Table 1.19.3 - Level C Quality Assurance) of Building Code Requirements and specification for Masonry Structures TMS 402-11/ ACI 530-13/ ASCE 513					
-Mortar & grout proportions, test specimens, Installation of masonry, anchors and ties Placement of reinforcement, Grouting operations					
-Cold weather/hot weather protection					
-Foundation strength prior to erection loads					
<b>Wood Construction (VCC 1705.5)</b>					
-Inspection of fabricator (1704.2.5)				X	
-High-load diaphragms (1705.5.1)				X	
-Metal-plate-connected wood trusses spanning 60 feet or greater (1705.5.2)				X	
-Seismic-resisting systems (1705.12.2)			X		



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<b>Soil (VCC 1705.6)</b>					
<b>Required Special Inspection and Tests of Soil (Table 1705.6)</b>					
1. Verify materials below shallow foundation 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 material				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, inspect subgrade and verify the site has been prepared properly				X	
<b>Driven Deep Foundation (VCC 1705.7)</b>					
<b>Required Special Inspection and Tests of Driven Deep Foundation (Table 1705.7)</b>					
1. Verify element materials, sizes, and length comply with the requirement			X		
2. Determine capacities of test elements and conduct additional load tests, as required			X		
3. Inspect driving operations and maintain complete and accurate records of each element			X		
4. Verify placement locations and plumbness, confirm type and size of hummer, record number of blows per foot of penetration, determine required penetration to achieve the design capacity, record tip and butt elevations, and document any damage to foundation element			X		
5. For steel elements, perform additional special inspections in accordance with section 1705.2					
6. For concrete elements and concrete-filled placements, perform tests and additional special inspections in accordance with section 1705.3					
7. For specialty elements, perform additional inspections as determined by the registered design professional in responsible charge					
<b>Cast-In-Place Deep Foundation (VCC 1705.8)</b>					
<b>Required Special Inspection and Tests of Cast-In-Place Deep Foundation (Table 1705.8)</b>					
1. Inspect drilling operations and maintain complete and accurate record for each element			X		



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2. Verify placement locations and plumbness, confirm element diameters, bell diameters (if applicable), lengths, embedment to bedrock (if applicable) and adequate end-bearing strata capacity					
3. Record concrete or grout volumes			X		
4. For concrete elements, perform tests and additional special inspections in accordance with Section 1705.3					
<b>Helical Pile Foundation (VCC 1705.9)</b>			X		
<b>Earth Retention System (VCC 1705.1.1) and (Section 1201.1 of the Special Inspection Manual)</b>			X		
<b>Fabricated Items (VCC 1705.10 and 1704.2.5)</b>					
<b>Seismic Resistance for Plumbing, Mechanical, and Electrical Components (VCC 1705.12.6)</b>				X	
<b>Sprayed Fire-Resistance Material (VCC 1705.14)</b>					
<b>Mastic and Intumescent Fire-Resistance Coatings (VCC 1705.15)</b>					
<b>Exterior Insulation and Finish Systems (EIFS) (VCC 1705.16)</b>					
<b>Testing for Smoke Control (VCC 1705.18)</b>					
<b>OTHER (VCC 1705.1.1)</b>					