



**PRINCE WILLIAM COUNTY**  
**Department of Development Services – Building Development Division**

**STATEMENT OF SPECIAL INSPECTIONS**

Version 2009-02-07

**Building Permit Number:** \_\_\_\_\_ **VUSBC Edition:** \_\_\_\_\_

**Project Name:** \_\_\_\_\_ **Group:** \_\_\_\_\_ **Construction Type:** \_\_\_\_\_

**Project Address:** \_\_\_\_\_

**Building Owner's Name:** \_\_\_\_\_

**Owner's Address:** \_\_\_\_\_

**Registered Design Professional in Responsible Charge:** \_\_\_\_\_  
*Name & License* *Company*

**Architect of Record:** \_\_\_\_\_  
*Name & License* *Company*

**Structural Engineer of Record:** \_\_\_\_\_  
*Name & License* *Company*

**Geotechnical Engineer of Record:** \_\_\_\_\_  
*Name & License* *Company*

**Special Inspections Engineer of Record:** \_\_\_\_\_  
*Name & License* *Company*

**General Contractor:** \_\_\_\_\_  
*Name & License* *Company*

This Statement of Special Inspections is submitted as a condition for permit issuance in accordance with the Virginia Uniform Statewide Building Code. The Special Inspections Schedule is an integral part of the Statement of Special Inspections.

The Special Inspections Engineer of Record shall keep records of specified special inspections and testing and shall furnish copies of inspection and testing reports to the Prince William County Special Inspections Section (PWCSIS) and to the Registered Design Professional in Responsible Charge (RDPRC). Discrepancies from the approved plans and specifications and code violations observed during the conduct of special inspections services shall be brought to the immediate attention of the Contractor for correction, to the attention of PWCSIS, and to the RDPRC. A [Final Report of Special Inspections](#), documenting completion of specified special inspections and correction of any discrepancies and observed code violations shall be submitted to and approved by PWCSIS prior to the building concealment inspection by the Building Construction Inspections Branch.

**Prepared by:**

\_\_\_\_\_ *(Type or print Name)*

\_\_\_\_\_ *Signature & Date*

**Reviewed by Registered Design Professional in Responsible Charge**

\_\_\_\_\_ *Signature & Date*

**Building Owner's Authorization:**

\_\_\_\_\_ *Signature & Date*

*Staff Use Only*

**Building Official's Acceptance:**

**Building Plan Review Section Reviewer**

\_\_\_\_\_ *Signature & Date*

**Special Inspection Section Reviewer**

\_\_\_\_\_ *Signature & Date*

Note 1: For Retaining Walls use pages 1 and 8 only.

Note 2: For Smoke Control Systems, a separate Statement of Special Inspections is required in addition to that submitted for the rest of the project. The Mechanical Engineer of Record will sign off as Registered Design Professional in Responsible Charge for the Smoke Control System. The SIER for the Smoke Control System shall have expertise in fire protection engineering, mechanical engineering and certification as air balancer.

SCOPE OF SERVICE FOR VERIFICATION AND INSPECTION					Responsible Party	Start Date – Completion Date
Activity, Verification and Inspection	Continuous	Periodic	Ref. Std.	IBC Ref		
<b>STEEL CONSTRUCTION</b>				1704.3		
<b>1. High-strength bolts, nuts and washers</b>			Applicable ASTM material specifications; AISC 360, Sec A3.3		SIER	
a. <input type="checkbox"/> Identification markings to conform to ASTM standards specified in the approved construction documents	-	X				
b. <input type="checkbox"/> Manufacturer’s certificate of compliance required.	-	X				
<b>2. High strength bolting</b>	-	-			SIER	
a. <input type="checkbox"/> Bearing-type connections.	-	X	AISC 360, Sec M2.5	1704.3.3		
b. <input type="checkbox"/> Slip-critical connections	X	X				
<b>3. Structural steel</b>					SIER	
a. <input type="checkbox"/> Identification markings to conform to ASTM standards specified in the approved construction documents	-	-	ASTM A 6 or ASTM A 568	1708.4		
b. <input type="checkbox"/> Manufacturer’s certified mill test reports.	-	-	ASTM A 6 or ASTM A 568			
<b>4. Weld filler</b>					SIER	
a. <input type="checkbox"/> Identification markings to conform to ASTM standards specified in the approved construction documents	-	-	AISC 360, Sec A3.5	-		
b. <input type="checkbox"/> Manufacturer’s certificate of compliance required	-	-	-	-		
<b>5. Welding</b>	-	-	-	-	SIER	
<b>a. Structural steel:</b>						
1. <input type="checkbox"/> Complete and partial penetration groove welds.	X	-	AWS D1.1	1704.3.1		
2. <input type="checkbox"/> Multipass fillets welds.	X	-				
3. <input type="checkbox"/> Single-pass fillet welds > 5/16”	X	-				
4. <input type="checkbox"/> Single-pass fillet welds <= 5/16”	-	X				
5. <input type="checkbox"/> Floor and roof deck welds.	-	X			AWS D1.3	-
<b>b. Reinforcing steel</b>	-	-			SIER	
1. <input type="checkbox"/> Verification of weldability of reinforcing steel other than ASTM A 706.	-		AWS D1.4 ACI 318: 3.5.2	-		
2. <input type="checkbox"/> Reinforcing steel-resisting flexural and axial forces intermediate and special moment frames, and boundary elements of special reinforced concrete shear walls and shear reinforcement.	X					
3. <input type="checkbox"/> Shear reinforcement	X					
4. <input type="checkbox"/> Other reinforcement	-					
<b>6. Steel frame joint details</b>		X			SIER	
a. <input type="checkbox"/> Details such as bracing and stiffening	-	-	-	1704.3.2		
b. <input type="checkbox"/> Member locations	-	-				
c. <input type="checkbox"/> Application of joint details at each connection	-	-				
<b>7. Steel fabrication</b>					SIER	
a. <input type="checkbox"/> Fabricator is AISC certified				1704.2		
b. <input type="checkbox"/> Verify that fabricator maintains detailed fabrication and quality control procedures.						
<b>8. Others</b>						

The ‘X’ indicates pre-determined frequency of inspection in accordance with the International Building Code



SCOPE OF SERVICE FOR VERIFICATION AND INSPECTION						Responsible Party	Start Date – Completion Date
Activity, Verification and Inspection	Continuous	Periodic	Ref. Std.		IBC Ref		
<b>MASONRY CONSTRUCTION</b>					1704.5		
<b>MASONRY LEVEL 1 SPECIAL INSPECTIONS</b>			ACI 530/ ASCE 5/ TMS 402	ACI 530.1/ ASCE 6/ TMS 602			
<b>1. As masonry construction begins, ensure compliance:</b>	-	X			-	SIER	
a. <input type="checkbox"/> Proportions of site-prepared mortar.	-	X	-	Art. 2.6A	-		
b. <input type="checkbox"/> Construction of mortar joints.	-	X	-	Art. 3.3B	-		
c. <input type="checkbox"/> Location of reinforcement, connectors,	-	X	-	Art. 3.4, 3.6A	-		
d. <input type="checkbox"/> Prestressing technique.	-	X	-	Art 3.6B	-		
e. <input type="checkbox"/> Grade and size of prestressing tendons and anchorages	-	X	-	Art. 2.4B, 2.4H	-		
<b>2. Inspection shall verify:</b>					-	SIER	
a. <input type="checkbox"/> Size and location of structural elements.	-	X	-	Art. 3.3G	-		
b. <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) , 2.1.4, 3.1.6	-	-		
c. <input type="checkbox"/> Specified size, grade and type of reinforcement.	-	X	Sec. 1.13	Art. 2.4, 3.4	-		
d. <input type="checkbox"/> Welding of reinforcing bars.	X	-	Sec. 2.1.10.7.2, 3.3.3.4(b)	-	-		
e. <input type="checkbox"/> Protection of masonry during cold weather (temperature below 40F) or hot weather (temperature above 90F)	-	X	-	Art. 1.8C, 1.8D	Sec 2104.3, Sec 2104.4		
f. <input type="checkbox"/> Application and measurement of prestressing force	-	X	-	Art. 3.6B	-		
<b>3. Prior to grouting, verify following to ensure compliance:</b>					-	SIER	
a. <input type="checkbox"/> Grout space is clean.	-	X	-	Art. 3.2	-		
b. <input type="checkbox"/> Placement of reinforcement and connectors and prestressing tendons and anchorages.	-	X	Sec.1.13	Art. 3.4	-		
c. <input type="checkbox"/> Proportions of site-prepared grout and prestressing grout for bonded tendons.	-	X	-	Art. 2.6B	-		
d. <input type="checkbox"/> Construction of mortar joints.	-	X	-	Art. 3.3B	-		
<b>4. Grout placement verified to ensure compliance with code and construction document provisions.</b>	X	-	-	Art. 3.5	-	SIER	
a. <input type="checkbox"/> Grouting of prestressing bonded tendons	X	-	-	Art. 3.6C			
<b>5. <input type="checkbox"/> Preparation of any required grout specimens, mortar specimens and/or prisms shall be observed.</b>	X	-	-	Art. 1.4	Sec 2105.2.2, 2105.3	SIER	
<b>6. <input type="checkbox"/> Compliance with required inspection provisions of the construction documents and the approved submittals shall be verified.</b>	-	X	-	Art. 1.5	-	SIER	
<b>7. Other</b>							

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<b>MASONRY LEVEL 2 SPECIAL INSPECTIONS</b>			ACI 530/ ASCE 5/ TMS 402	ACI 530.1/ ASCE 6/ TMS 602			
<b>1. From the beginning of masonry construction, the following shall be verified:</b>						SIER	
a. <input type="checkbox"/> Proportions of site-prepared mortar, grout and prestressing grout for bonded tendons.	-	X	-	Art. 2.6A	-		
b. <input type="checkbox"/> Placement of masonry units and construction of mortar joints.	-	X	-	Art. 3.3B	-		
c. <input type="checkbox"/> Placement of reinforcement, connectors and prestressing tendons and anchorages.	-	X	Sec.1.13	Art. 3.4, 3.6A	-		
d. <input type="checkbox"/> Grout space prior to grouting.	X	-	-	Art 3.2D	-		
e. <input type="checkbox"/> Placement of grout	X	-	-	Art. 3.5	-		
f. <input type="checkbox"/> Placement of prestressing grout.	X	-	-	Art.3.6C			
<b>2. The inspection program shall verify:</b>						SIER	
a. <input type="checkbox"/> Size and location of structural steel.	-	X	-	Art. 3.3G	-		
b. <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), 2.1.4, 3.1.6	-	-		
c. <input type="checkbox"/> Specified size, grade and type of reinforcement.	-	X	Sec. 1.13	Art. 2.4, 3.4	-		
d. <input type="checkbox"/> Welding of reinforcing bars.	X	-	Sec. 2.1.10.7.2, 3.3.3.4(b)	-	-		
e. <input type="checkbox"/> Protection of masonry during cold weather (temperature below 40F) or hot weather (temperature above 90F)	-	X	-	Art. 1.8C, 1.8D	Sec 2104.3, Sec 2104.4		
f. <input type="checkbox"/> Application and measurement of prestressing force	-	X	-	Art. 3.6B	-		
<b>3. <input type="checkbox"/> Preparation of any required grout specimens, mortar specimens and/or prisms shall be observed.</b>	X	-	-	Art. 1.4	Sec 2105.2.2, 2105.3	SIER	
<b>4. <input type="checkbox"/> Compliance with required inspection provisions of the construction documents and the approved submittals shall be verified.</b>						SIER	
<b>5. Other</b>							
<b>WOOD CONSTRUCTION</b>					1704.6	SIER	
<b>1. Verify fabrication of wood structural elements and assembly</b>							
a. <input type="checkbox"/> Verify fabrication of wood structural element. (Specify element)	-	X					
b. <input type="checkbox"/> Verify the assembly of structural elements	-	X					
<b>2. High-Load Diaphragms designed in accordance with Table 2306.3.2</b>					1704.6.1	SIER	
a. <input type="checkbox"/> Verify grade and thickness of wood structural panel sheathing as shown on the approved construction documents	-	X					
b. <input type="checkbox"/> Verify the nominal size of framing members at adjoining panel edges, the nail or staple diameter and length, the number of fastener lines and the spacing between fasteners in each line and edge margins per approved construction documents	-	X					
<b>3. Other(s)</b>							

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<b>SOILS</b>					1704.7	SIER
1. <input type="checkbox"/> Controlled fill placed under Site Permit (Submit Building Pad Certification in accordance with <a href="#">Building Development Division's Policy 1.4, Building Pad Certification</a> )						
2. <input type="checkbox"/> Controlled fill placed under This Permit						
3. <input type="checkbox"/> Verify Materials Below footings are adequate to achieve the design bearing capacity	-	X				
4. <input type="checkbox"/> Verify excavations are extended to proper depth and have reached proper material	-	X				
5. <input type="checkbox"/> Perform classification and testing of controlled fill materials	-	X				
6. <input type="checkbox"/> Verify use of proper materials, densities and lift thicknesses during placement and compaction of controlled fill	X	-				
7. <input type="checkbox"/> Prior to placement of controlled fill, observe sub-grade and verify that site has been prepared properly.	-	X				
<b>FOOTING AND FOUNDATION</b>						SIER
1. <input type="checkbox"/> Verify Subgrade bearing, footing depth, footing dimensions	-	X				
2. <input type="checkbox"/> Verify installation of Drain tile (Gravity/ Mechanical)	-	X				
<b>PILE FOUNDATIONS</b>					1704.8	SIER
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	-				
4. <input type="checkbox"/> Verify placement locations and 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 pile damage	X	-				
5. <input type="checkbox"/> For steel piles, perform additional inspections in accordance with Section 1704.3.	-	-				
6. <input type="checkbox"/> For concrete piles and concrete- filled piles, perform additional inspections in accordance with Section 1704.4.	-	-				
7. <input type="checkbox"/> For specialty piles, perform additional inspections as determined by registered design professional in responsible charge.	-	-				
8. <input type="checkbox"/> For augered uncased piles and caisson piles, perform inspections in accordance with Section 1704.9.	-	-				
<b>PIER FOUNDATIONS</b>					1704.9	SIER
1. <input type="checkbox"/> Observe drilling operations and maintain complete and accurate records for each pier.	X	-				
2. <input type="checkbox"/> Verify placement locations and plumbness, confirm pier diameters, bell diameters (if applicable), lengths, embedment into bedrock (if applicable) and adequate end bearing strata capacity.	X	-				
3. <input type="checkbox"/> For concrete piers, perform additional inspections in accordance with Section 1704.4.	-	-				
4. <input type="checkbox"/> For masonry piers, perform additional inspections in accordance with Section 1704.5.	-	-				

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<b>SPRAYED FIRE-RESISTANT MATERIALS</b>					SIER	
1. <input type="checkbox"/> Verify structural member surface conditions	-	X		1704.10		
2. <input type="checkbox"/> Verify application of materials per manufacturer’s instructions	X	X				
3. <input type="checkbox"/> Verify thicknesses and density of applied materials	-	X				
4. <input type="checkbox"/> Verify the bond strength of applied materials	-	X				
<b>MASTIC AND INTUMESCENT FIRE-RESISTANT COATINGS</b>					SIER	
1. <input type="checkbox"/> Verify structural member/ deck surface conditions	-	X	AWCI 12-B	1704.11		
2. <input type="checkbox"/> Verify application of materials per manufacturer’s instructions	X	X				
3. <input type="checkbox"/> Verify thicknesses of applied materials	-	X				
4. <input type="checkbox"/> Verify the bond strength/ adhesion of applied materials	-	X				
<b>EXTERIOR INSULATION AND FINISH SYSTEMS (EIFS)</b>					SIER	
1. <input type="checkbox"/> Installed per County approved construction documents	-	-		1704.12		
2. <input type="checkbox"/> EIFS Contractor Card, prepared and signed by the EIFS installer after installation of the EIFS, must be attached to the Final Report of Special Inspections.	-	-				
<b>SMOKE CONTROL SYSTEMS</b>					SIER	
1. <input type="checkbox"/> Compliance with required inspection provisions of the construction documents and the approved submittals shall be verified.	-	-		1704.14		
2. <input type="checkbox"/> Please submit a detailed scope of services, including a protocol of inspections to comply with 1704.14.	N.A.	N.A.				
<b>OTHERS</b>						
<b>The ‘X’ indicates pre-determined frequency of inspection in accordance with the International Building Code</b>						
At the time of these inspection, all items inspected were in accordance with the County approved building plans and the Virginia Uniform Statewide Building Code; a copy of the required building permit was posted on the construction site, the erosion and sedimentation was found to be controlled and properly installed or maintained in accordance with the following: (Please check one)						
<input type="checkbox"/> Approved lot grading plan <input type="checkbox"/> Approved lot grading plan and sound engineering practice						
<input type="checkbox"/> Sound engineering practice (only retaining wall that did not require an approved Lot Grading Plan)						
<input type="checkbox"/> Sound engineering practice (only for additions, alteration/ repairs)						
<b>Name</b>			<b>Company</b>		<b>Address</b>	
<b>1. Special Inspections Engineer of Record:</b>						
_____						
<b>2. Inspection and Testing Agency:</b>						
_____						

