



# STATEMENT OF SPECIAL INSPECTIONS

BUILDING INSPECTIONS DEPARTMENT

CITY OF EMPORIA VIRGINIA 201 S MAIN STREET EMPORIA VA, 23847

PHONE 434-634-6315 FAX 434-634-0003

Permit # :	Parcel # :	Date :
PROJECT :		
Project address :		
VA USBC EDITION :	USE GROUP :	CONST TYPE :

OWNER	Name:	Phone:
	Address:	
	Company:	Email:
ARCHITECT OF RECORD	Name:	
	License #:	Phone:
	Company:	Email:
STRUCTURAL ENGINEER OF RECORD	Name:	
	License #:	Phone:
	Company:	Email:
SPECIAL INSPECTIONS ENGINEER OF RECORD	Name:	
	License #:	Phone:
	Company:	Email:

This statement of special inspections is submitted as a condition for permit issuance in accordance with the Virginia Uniform Statewide Building Code. 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 inspection and testing reports to the City of Emporia Building Department and to the appropriate Registered Design Professional of record. Discrepancies from the approved plans and specifications and code violations observed during the conduct of special inspection services shall be brought to the immediate attention of the contractor for correction, to the attention of the City of Emporia Building Official and to the appropriate registered design professional of record. A final report of special inspections documenting completion of specified special inspections, correction of any discrepancies, and observed code violations noted in the inspection and testing reports shall be submitted to and approved by the City of Emporia Building Official prior to the issuance of the Certificate of Occupancy.

## Statement of Special Inspection

VIRGINIA RDP SEAL

VIRGINIA RDP SEAL

Virginia RDP Seal

Virginia RDP Seal

Prepared By: \_\_\_\_\_ Signature: \_\_\_\_\_ Date: \_\_\_\_\_

\_\_\_\_\_  
Primary RDP of Record

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Structural Engineer of Record

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Architect of Record

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Owner Authorization

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Building Official Acceptance

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date

**SPECIAL INSPECTION SCHEDULE****PROJECT:** \_\_\_\_\_

CONSTRUCTION ITEM		REQ (Y/N)	CONT. (v)	PERIODIC (v)	INSPECTION AGENT	COMPLETED
<b>SPECIAL CASES (1705.1)</b>						
1	Construction Material/systems Alternative					
2	Unusual Design Applications					
3	With Additional Manufacturers instruction					
<b>STEEL CONSTRUCTION (1705.2)</b>						
1	Inspection requirements of AISC 360					
2	Cold form steel deck requirements of SDI QA/QC					
3	<b>Open web steel joist and joist girders</b>					
	A. End connections-welding or bolted		-	X		
	B. Bridging—horizontal or diagonal					
	1. Standard Bridging		-	X		
	2. Bridging that differs from the SJI		-	X		
4	Cold form steel Trusses spanning 60' or more					
<b>CONCRETE CONSTRUCTION (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		-	X		
	B. Inspect single-pass fillet welds, maximum 5/16"; and		X			
	C. Inspect all other welds					
3	Inspect anchors cast in concrete.		-	X		
4	Inspect anchors post-installed in hardened concrete members.		X			
	A. Adhesive anchors installed in horizontally or upwardly inclined orientations to resist sustained tension loads.			X		
	B. Mechanical anchors and adhesive anchors not defined in 4a.					
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 of prestressing forces; and		X	-		
	B. Grouting of bonded prestressing tendons.		X	-		

10	Inspect erection of precast concrete members.		-	X		
11	Verify in-situ concrete strength, prior to stressing tendons of tendons in post-tensioned concrete and prior to 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		

**MASONRY CONSTRUCTION 1705.4**

1	Inspection in accordance with TMS 402 & TMS 602					
2	Empirically designed masonry, glass unit masonry and masonry veneer in Rik category IV with section 2109, 2110 or chapter 14					
3	Vertical masonry foundation elements; Masonry units Reinforcing steel Anchors and ties Mortar Grout Masonry strength Additional inspections for risk category IV					

**WOOD CONSTRUCTION 1705.5**

1	Prefabricated wood structural elements & assem					
2	High load diaphragms Materials Installation					
3	Metal plate connected wood trusses spanning 60'					

**SOILS 1705.6**

1	Verify materials below shallow foundations are adequate to achieve the design 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 proper use of materials, densities and lift thickness during placement and compaction of compacted fill.		X	-		
5	Prior to placement of compacted fill, inspect subgrade and verify that site has been prepared properly.		-	X		

**DRIVEN DEEP FOUNDATIONS 1705.7**

	Per Geotechnical report and construction docs					
1	Verify element materials, sizes and lengths comply with the requirements.		X	-		
2	Determine capacities of test elements and conduct additional load test, as required.		X	-		
3	Inspect 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 blows per foot of penetration, determine required penetrations to achieve design capacity, record tip		X	-		

	and butt elevations and document any damage to foundation element.					
5	For steel elements, perform additional special inspections in accordance with section 1705.2					
6	For concrete elements and concrete filled elements, perform test 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 FOUNDATIONS 1705.8</b>						
	Per geotechnical report and construction docs					
1	Inspect drilling operations and maintain complete and accurate records for each element.		<b>X</b>	-		
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.		<b>X</b>	-		
3	For concrete elements, perform test and additional special inspections in accordance with section 1705.3					
<b>HELICAL PILE FOUNDATIONS 1705.9</b>						
	Record information for; installation equipment used, pile dimensions, tip elevations, final depth, final installation torque and other pertinent data.					
<b>FABRICATED ITEMS 1705.10</b>						
	Performed in accordance with section 1704.2.5					
<b>SPECIAL INSPECTIONS FOR WIND ZONES 1705.11</b>						
	Per section 1705.11 and					
1	Structural wood: Field gluing		<b>X</b>	-		
	Nailing, bolting, anchoring		-	<b>X</b>		
2	Cold form steel light frame construction:					
	Welding operations of elements		-	<b>X</b>		
	Bolting, screw attachment, anchoring		-	<b>X</b>		
3	Wind resistant components:					
	Roof covering, roof deck, & roof framing connections		-	<b>X</b>		
	Exterior wall covering & wall connections to roof and floor diaphragms and framing.		-	<b>X</b>		
<b>SPECIAL INSPECTIONS FOR SEIMIC RESISTANCE 1705.12</b>						
1	Structural steel quality assurance of AISC 341					
2	Structural wood:					
	Field gluing of elements		<b>X</b>	-		
	Nailing, bolting, anchoring		-	<b>X</b>		
3	Cold form steel light frame construction:					
	Welding of elements		-	<b>X</b>		
	Screw attachment, bolting, anchoring		-	<b>X</b>		
4	Designated seismic system in accordance ASCE 7					
5	Architectural components:					
	Exterior cladding, interior & exterior nonbearing walls & interior veneer.		-	<b>X</b>		
	Access floors.		-	<b>X</b>		

6	Plumbing, mechanical, electrical components Anchorage of electrical components for emergency and standby power systems. Anchorage of electrical equipment in seismic E &F. Installation and anchorage of piping systems designed to carry hazardous materials and their associated mechanical units Installation and anchorage of duct work designed to carry hazardous materials. Installation and anchorage of vibration isolation systems. Installation of mechanical and electrical equipment including duct work, piping systems and their structural supports where automatic sprinkler systems are installed.		-	X		
			-	X		
			-	X		
			-	X		
			-	X		
			-	X		
7	Storage rack anchorage 8' or more in height		-	X		
8	Seismic isolation systems in seismically isolated		-	X		
9	Cold form steel special bolted moment frames		-	X		
<b>TESTING FOR SEISMIC RESISTANCE 1705.13</b>						
	Structural steel nondestructive test.					
	Structural steel elements nondestructive test.					
	Nonstructural components compliance certificate.					
	Designated seismic systems compliance certificate					
	Seismic isolation systems in accordance ASCE 7					
<b>SPRAYED FIRE-RESISTANT MATERIALS 1705.14</b>						
	Physical and visual test.					
	Structural member surface conditions.					
	Application					
	Thickness					
	Density					
	Bond strength					
<b>MASTIC AND INTUMESCENT FIRE-RESISTANT COATINGS 1705.15</b>						
	Performed in accordance with AWCI 12-B					
<b>EXTERIOR INSULATION AND FINISH SYSTEMS (EIFS) 1705.16</b>						
	Required for all EIFS applications.					
	Water resistive barrier coating in accordance with ASTM E2570.					
<b>TESTING FOR SMOKE CONTROL 1705.18</b>						
1	During erection of ductwork and prior to concealment for the purposes of leakage testing and recording of device location.					
2	Prior to occupancy and after sufficient completion for the purposes of pressure difference testing, flow measurements and detection and control verification.					

**This list of inspections is the minimum and not all the details of Chapter 17 of the USBC. For a complete detail of the contents of Chapter 17 the Registered Design Professional should refer to the current adopted edition of the Virginia Building Code.**