

**Culpeper County Building Department
Statement of Special Inspections**

PROJECT

PERMIT APPLICANT

PRIMARY RDP OF RECORD

STRUCTURAL ENGINEER OF RECORD

This Statement of Special Inspections is submitted as a condition for permit issuance in accordance with the International Building Code (IBC) as stated in the Virginia Uniform Statewide Building Code (USBC). It includes a Schedule of Special Inspections applicable to this project as well as the name of the Special Inspector, and the identity of other testing laboratories or agencies intended to be retained for conducting these inspections or tests.

The Special Inspector shall keep records of all inspections, and shall furnish inspection reports to the Building Official, appropriate Registered Design Professional(s) (RDP(s)), Owner and Contractor. All discrepancies shall be brought to the immediate attention of the Contractor for correction. If the discrepancies are not corrected, the discrepancies shall be brought to the attention of the Building Official and appropriate RDP(s). Interim reports shall be submitted to the Building Official, Owner, Contractor, and the appropriate RDP(s).

Jobsite safety is solely the responsibility of the contractor. Materials and activities to be inspected are not to include the contractor's equipment and methods used to erect or install the materials listed. **All fees/costs related to the performance of Special Inspections shall be the responsibility of the Owner. Additionally, the undersigned (RDP or SER) are only acknowledging that the items enumerated on the Schedule of Special Inspections are consistent with the required design elements, the applicable sections of the Uniform Statewide Building Code, and their area of expertise.**

REVIEW, AUTHORIZATION & ACCEPTANCE:

SCHEDULE OF SI PREPARED BY:

Permit Applicant (General Contractor):

Signature/ Date: _____

Printed Name: _____

Owner's Authorization:

Signature/ Date: _____

Printed Name: _____

Primary RDP of Record:(Review & Acceptance of Schedule)

Signature/ Date: _____

Printed Name: _____

SER of Record: (Review and Acceptance of Scheduled)

Signature/ Date: _____

Printed Name: _____

Building Official's Acceptance:

Signature/ Date: _____

Printed Name: _____

Virginia RDP Seal of SSI Preparer

Printed Name of the Preparer of the Schedule (on line above)

Special Inspector:

Signature/ Date: _____

Printed Name: _____

SI Company Name: _____

SCHEDULE OF SPECIAL INSPECTIONS

MATERIAL/ACTIVITY	TYPE OF INSPECTION	Y/C/P/N	APPLICABLE TO THIS PROJECT	
			EXTENT/REFERENCE	AGENT COMPLETED
GENERAL				
Pre-construction conference	Meeting with parties listed in Section 6 of HRRSIGP to discuss Special Inspection procedures	Y	Scheduled by SI with the Contractor prior to commencement of work; VCC 113.4	
EARTHWORK				
Site preparation (structure)	Field testing and inspection	P	Field Review; VCC 1705.6	
Fill material (structure)	Review submittals, field testing and inspection	P	Field Review; VCC 1705.6	
Fill compaction (structure)	In-place density tests, lift thickness	C	Field Review; VCC 1705.6	
Excavation	Field inspection and verification of proper depth	P	Field Review; VCC 1705.6	
Foundation sub-grade (structure)	Field inspection of foundation subgrade prior to placement of concrete	P	Field Review; VCC 1705.6	
DEEP FOUNDATION ELEMENTS				
Materials	Review product, sizes, and lengths	C	Submittal and Field Review; VCC 1705.7, 1705.8, 1705.9	
Test piles	Monitor driving of test piles	C	Field Review; VCC 1705.8, 1704.9 or 1704.10	
Installation	Monitor drilling, placement, plumbness, driving of piles, including recording blows per foot, cut off, and tip elevation	C	Field Review; VCC 1705.2, 1705.3, 1705.7	
Load test	Monitor pile load test	C	Field Review; VCC 1705.8, 1704.9 or 1704.10	
CONCRETE				
Materials	Review product supplied versus certificates of compliance and mix design	P	Submittal & Field Review; ACI 318: Ch. 19, 26.4.3, 26.4.4; VCC 1705.3, 1903.2, 1908.2, 1903.4	
Installation of reinforcing steel, including welding, as well as prestress tendons, anchor bolts, and fiber-reinforcement	Field inspection of placement	P	Submittal and Field Review; ACI 318: Ch. 20, 25.2, 25.3, 26.5.1-26.5.3; AWS D1.4; VCC 1705.3, 1901.3, 1908.4	
Formwork installation	Field inspection	P	Field Review; ACI 318; VCC 1705.3	
Concreting operations and placement	Field inspection of placement/sampling	C	Field Review; ACI 318: 26.5.2, 26.12.3; ASTM C 172, C 31; VCC 1705.3, 1908.6, 1908.7, 1908.8, 1908.10	
Concrete curing	Field inspection of curing process	P	Field Review; ACI 318: 26.5.3, 26.5.4; VCC 1705.3, 1908.9	
Concrete strength	Evaluation of concrete strength	P	Laboratory Testing; ACI 318: 26.12; VCC 1705.3	

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MATERIAL/ACTIVITY	TYPE OF INSPECTION	APPLICABLE TO THIS PROJECT		
		Y/C/P/N	EXTENT/REFERENCE	AGENT COMPLETED
Application of forces for prestressed concrete	Field inspection	C	Field Review; ACI 318: 26.10.2 (c); VCC 1705.3	
Grouting of prestress tendons	Field inspection	C	Field Review; ACI 318: 19.4.1, 20.6.4, 26.13.3.2(b); VCC 1705.3	
PRECAST CONCRETE				
Verify fabrication/quality control procedures	In-plant inspection of fabrication/quality control procedures**	Y	Submittal or Field Review; VCC 1705.3	
Erection and installation	Review submittals and as-built assemblies; Field inspection of in-place precast	P	Submittal and Field Review; ACI 318; VCC Table 1705.3	
MASONRY (Level ____; Building Risk Category ____)				
Materials	Review of products supplied versus certificate of compliance and material submitted	P	Submittal & Field Review; ACI 530/ASCE 5; ACI 530.1/ASCE 6; VCC 1705.4, 1709	
Strength	Testing/review of strength	P	Submittal & Field Review; ACI 530/ASCE 5; ACI 530.1/ASCE 6; VCC 1705.4, 2105.	
Mortar and Grout	Inspection of proportioning and mixing. Placement of mortar only.	P	Submittal & Field Review; VCC 1705.4; ACI 530.1/ASCE 6	
Grout placement, including prestressing grout	Verification to ensure compliance	C	Field Review; VCC 1705.4; ACI 530/ASCE 5; ACI 530.1/ASCE 6	
Grout space	Verification to ensure compliance	P	Field Review; VCC 1705.4; ACI 530/ASCE 5; ACI 530.1/ASCE 6; TMS 602	
Mortar, grout, and prism specimens	Observe Preparation	P	Field Review; VCC 1705.4, ACI 530.1; ASCE 6	
Reinforcement, prestressing tendons, and connections	Inspect condition, size, location, and spacing	C	Field Review; VCC 1705.4; ACI 530/ASCE 5; ACI 530.1/ASCE 6	
Welding of reinforcing bars	Inspection and testing of welds	C	Field Review; VCC 1705.3.1, 1705.4; ACI 530/ASCE 5; ACI 530.1/ ASCE 6	
Prestressing force	Verify application and measurement	C	Field Review; VCC 1705.4; ACI 530/ASCE 5; ACI 530.1/ASCE 6	
Protection	Inspect procedures for protection during cold and hot weather	P	Field Review; VCC 1705.4; ACI 530/ASCE 5; ACI 530.1/ASCE 6	
Anchorage	Inspection of anchorages	C	Field Review; VCC 1705.4; ACI 530.1/ASCE 6; ACI 530/ASCE 5	
Masonry installation	Inspection of placement of masonry and joints	P	Field Review; VCC 1705.4; ACI 530/ASCE 5; ACI 530.1/ASCE 6	
STRUCTURAL STEEL				
Verify fabrication/quality control procedures	In-plant inspection of fabrication/quality control procedures** or submit Certificate of Compliance	Y	Submittal or Field Review; VCC 1704.2.5, 1704.2.5.1, 1705.2	
Bolts, nuts, and washers – materials	Material identification markings; Review of Certificate of Compliance	P	Submittal & Field Review; VCC 1705.2.1, 1706; ASTM; AISC 360, Section A3.3	

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MATERIAL/ACTIVITY	TYPE OF INSPECTION	APPLICABLE TO THIS PROJECT		
		Y/C/P/N	EXTENT/REFERENCE	AGENT COMPLETED
Bolts, nuts, washers – installation	Inspection of in-place high-strength bolts, snug-tight joints, pre-tensioned and bearing type, and slip critical connections	P	Submittal & Field Review; VCC 1705.2.1, 2204.2; AISC 360 Section M2.5	
Structural steel – materials	Material identification markings and review of Certificate of Compliance	Y	Submittal & Field Review; VCC 1705.2.1, 1706; ASTM A6, A568; AISC 360 Section A3.1	
Structural steel details – installation	Inspection of member locations, structural details for bracing, connections, and stiffening	P	Submittal & Field Review; VCC 1705.2.1, 1705.2.2, AISC 360	
Open-web steel joists and joist girders – installation	Inspection of end connections and bridging	P	Submittal & Field Review; VCC 1705.2.3	
Weld filler materials and welder certification	Review of identification markings, certificate of compliance, and welder certifications	Y	Submittal & Field Review; ASTM; AISC 360 A3.5	
Welds	Inspection and testing of welds	C	Field Review; VCC 1705.2, 2204.1; AWS D1.1, D1.3	
Cold-formed metal deck – materials	Review of identification marking manufacturer’s certified test results	P	Submittal & Field Review; VCC 1705.2.2; ASTM	
Cold-formed metal deck – installation	Review laps and welds	P	Submittal & Field Review; IBC 1705.2.2, AWS D1.3	
Cold-formed light frame construction – welds	Review welding operation	P	Field Review; VCC 1705.11, 1705.11.2, 1705.11.3	
Cold form light frame construction wind resistance – screws	Review screw attachment bolting, anchoring hold downs, bracing, diaphragms, struts	P	Field Review; VCC 1705.11, 1705.11.2, 1705.11.3	
Cold-formed steel trusses spanning 60’ or greater	Inspection of temporary and permanent restraints/bracing	P	Submittal & Field Review; VCC 1705.2.4	
WOOD				
Verify fabrication/quality control procedures	In-plant inspection of fabrication/quality control procedures** or submit Certificate of Compliance	Y	Submittal or Field Review; VCC 1704.2.5, 1704.2.5.1, 1705.5	
Metal plate connected wood/metal trusses spanning 60’ or more	Review approved submittal and installation of restraint/bracing	Y/N	Submittal & Field Review; VCC 1704.2.5, 1704.2.5.1, 1705.5, 1705.5.2	
Joist Hangers – Materials/Installation	Review manufacturer’s material and test standards,	Y	Field Review; ASTM D 1761	
High-Load Diaphragms - Installation	Review submittal and as-built assemblies; Inspection of sheathing, framing size, nail and staple diameter and length, number of fastener lines, and fastener spacing.	C	Submittal & Field Review; VCC 1705.5, 1705.5.1	
Wood Shear Walls – installation	Review nailing, bolting, anchoring, fastening, diaphragms, struts, braces, and hold downs when fasteners are ≤ 4’ on center.	P	Field Review; VCC 1705.11.1	

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MATERIAL/ACTIVITY	TYPE OF INSPECTION	APPLICABLE TO THIS PROJECT		
		Y/C/P/N	EXTENT/REFERENCE	AGENT COMPLETED
MAIN WIND FORCE RESISTING SYSTEM				
Wind requirements	Review of the system components and installation for wood construction, cold-formed steel light frame construction, components, and cladding	P	Submittal & Field Review; VCC 1609.1.2, 1704.6.2, 1705.11, 1709	
SEISMIC FORCE RESISTING SYSTEMS				
Seismic requirements	Review of the designated seismic systems and seismic force resistance systems	P	Submittal & Field Review; VCC 1613, 1704.6.1, 1705.12, 1705.13; ASCE 7	
SMOKE CONTROL				
Special Inspection of smoke control systems	Leakage testing and recording of device location; pressure difference testing, flow measurement and detection, and control verification	Y	Field Review; VCC 1705.18, 1705.18.1, 1705.18.2	
SPRAYED FIRE RESISTIVE MATERIAL, FIRE RESISTANT PENETRATIONS; JOINTS, MASTIC AND INTERMESCENT FIRE RESISTANT COATING				
Structural member surface conditions	Field review of surface conditions prior to application	P	AWCI 12-B; VCC 1705.14, 1705.14.1, 1705.14.2	
Application/thickness/density/bond strength	Field review of application operations, thickness, and density	P	ASTM E605, AWCI 12-B; VCC 1705.14.1, 1705.14.2, 1705.14.3, 1705.14.4, 1705.14.5, 1705.14.6	
Mastic & Intumescent Fire Resistant Coating	Field review of application operations and thickness		AWCI 12-B; VCC 1705.15	
EXTERIOR INSULATION AND FINISH SYSTEMS (EIFS)				
Application	Field Review of application/installation	Y	ASTM E2570, VCC 1705.16	
SPECIAL CASES				
Retaining Walls	Field review of installation of pre-manufactured structural components	P	Field Review; VCC 113.4, 1705.1.1	
Sprinkler system hangers/supports	Field review of placement and anchorage	P	Field Review; VCC 903.3.1.1, 1705.1.1; NFPA 13: 9.2	
Alternative Materials and Systems	As requested by Building Official, review system and installation	P	VCC 113.4, 1705.1.1	
INSPECTION AGENTS				
1. Special Inspector:	FIRM		ADDRESS	TELEPHONE
2. Materials and Testing Laboratory:				
3. Special Inspector Smoke Control System:				
4. (Additional Agents)				

Note: * The Qualifications of the Special Inspector and Testing Laboratories are subject to the Approval of the Building Official.
 ** Inspection of quality control procedures required only if fabricator is not regularly inspected by an Approved independent inspection agency.
 ***For construction projects in seismic regions, the Schedule of Special Inspections shall be expanded to include Architectural, Mechanical, and Electric components, as well as Storage Racks and Isolation Systems. Items in VCC Section 1705.12

FINAL REPORT OF SPECIAL INSPECTIONS

The Special Inspections related to the _____ project and identified on the “Statement of Special Inspections” have been completed. All discrepancies noted in previous reports have been resolved and to the best of my knowledge, and belief, there are no outstanding issued related to special inspections required for this project.

The discrepancies noted in inspection report/s number/s _____, have been corrected. The proposed resolution and expected completion date of the deficiencies noted is attached as enclosure (1) to this Final Report of Inspections.

Interim reports submitted prior to this final report, and numbered _____ to _____, form a basis for, and are to be considered an integral part of this final report.

Respectfully submitted,

Signature

Date

Type or Print Name

Seal of SI

Note: A final report documenting required special inspections and correction of any discrepancies noted in the inspections shall be submitted at a point in time agreed upon by the permit applicant and the building official prior to the start of work.

Encl (4)