



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 Virginia Construction Code [VCC] (Part 1 of the 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. All Reports are subject to review and approval of the Building Official.

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). A Final Report of Special Inspections shall be submitted to the Goochland County Department of Building Inspection.

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

Permit Applicant *(If not Owner)*:

Signature / date: _____

Printed Name: _____

Owner's Authorization *(If other than Applicant)*:

Signature / date: _____

Printed Name: _____

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

Signature / date: _____

Printed Name: _____

SER of Record: (Review and Acceptance of Schedule)

Signature / date: _____

Printed Name: _____

Building Official's Acceptance:

Signature / date: _____

Printed Name: _____

SCHEDULE OF SI PREPARED BY:

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: _____

County of Goochland -Schedule of Special Inspections

MATERIAL/ACTIVITY	TYPE OF INSPECTION	APPLICABLE TO THIS PROJECT			
		Y/N	EXTENT/REFERENCE	AGENT	COMPLETED
GENERAL					
Pre-construction conference	Meeting with parties to discuss Special Inspection procedures		Scheduled by SI with the Contractor prior to commencement of work		
EARTHWORK					
Site preparation (building)	Field testing and inspection		Field Review; VCC 1705.6		
Fill material (building)	Review submittals, field testing and inspection		Field Review; VCC 1705.6		
Fill compaction (building)	In-place density tests		Field Review; VCC 1705.6		
Foundation sub-grade	Field inspection of foundation subgrade prior to placement of concrete		Field Review; VCC 1705.6		
DEEP FOUNDATION ELEMENTS					
Materials	Review product, sizes, and lengths		VCC 1705.7, 1705.8, 1705.9		
Test piles	Monitor driving of test piles		VCC 1705.7, 1705.8, 1705.9		
Installation	Monitor drilling, placement, driving of piles, including cut off and tip elevation		VCC 1705.7, 1705.8, 1705.9		
Load test	Monitor pile load test		VCC 1705.7, 1705.8, 1705.9		
CONCRETE					
Materials	Review product supplied versus certificates of compliance and mix design		Submittal & Field Review; VCC 1705.3.2; ACI 318: Ch. 4 and 5		
Installation of reinforcing steel, including prestress tendons and anchor bolts as well as welding	Field inspection of placement		Field Review; ACI 318:3.5, 3.5.2 & Ch. 7; AWS D1.4; VCC Table 1705.3, 1901.1		
Formwork installation	Field inspection		Field Review; ACI 318: 6.1.1; VCC 1705.3		
Concreting operations and placement	Field inspection of placement/sampling		Field Review; ACI 318: 5.6, 5.8, 5.9-10; ASTM C 172, C 31; VCC 1705.3, 1901.1		
Concrete curing	Field inspection of curing process		Field Review; ACI 318: 5.11-13; VCC 1705.3, 1901.1		
Concrete strength	Evaluation of concrete strength		Laboratory Testing; ACI 318: 6.2; VCC 1705.3		
Application of forces for prestressed concrete	Field inspection		Field Review; ACI 318: 18.20		
Grouting of prestress tendons	Field inspection		Field Review; ACI 318: 18.18.4		

County of Goochland -Schedule of Special Inspections

MATERIAL/ACTIVITY	TYPE OF INSPECTION	APPLICABLE TO THIS PROJECT			
		Y/N	EXTENT/REFERENCE	AGENT	COMPLETED
PRECAST CONCRETE					
Verify fabrication/quality control procedures	In-plant inspection of fabrication/quality control procedures**		VCC 1705.4		
Erection and installation	Review submittals and as-built assemblies; Field inspection of in-place precast		ACI 318; Ch. 16; VCC Table 1705.3		
MASONRY (Level ____; Based on Occupancy Category)					
Materials	Review of products supplied versus certificate of compliance and material submitted		Submittal & Field Review; ACI 530.1; ASCE 6; TMS 602; VCC 1705.4		
Strength	Testing/review of strength		Submittal & Field Review; ACI 530.1; ASCE 6; TMS 602; VCC 1705.4, 2108.1		
Mortar and Grout	Inspection of proportioning and mixing. Placement of mortar only.		Field Review; VCC 1705.4, ACI 530.1; ASCE 6; TMS 602		
Grout placement, including prestressing grout	Verification to ensure compliance		Field Review; VCC 1705.4, ACI 530.1; ASCE 6; TMS 602		
Grout space	Verification to ensure compliance		Field Review; VCC 1705.4, ACI 530.1; ASCE 6; TMS 602		
Mortar, grout, and prism specimens	Observe Preparation		Field Review; VCC 1705.4, ACI 530.1; ASCE 6; TMS 602		
Reinforcement, prestressing tendons, and connections	Inspect condition, size, location, and spacing		Field Review; VCC 1705.4; ACI 530.1; ASCE 5; ASCE 6; TMS 402, 602		
Welding of reinforcing bars	Inspection and testing of welds		Field Review; VCC 1705.4, ACI 530.1; ASCE 5; TMS 402		
Prestressing force	Verify application and measurement		Field Review; VCC 1705.4, ACI 530.1; ASCE 6; TMS 602		
Protection	Inspect procedures for protection during cold and hot weather		Field Review; VCC 1705.4, 2101.3; ACI 530.1; ASCE 6; TMS 602		
Anchorage	Inspection of anchorages		Field Review; ACI 530.1; ASCE 5, ASCE 6; TMS 402; TMS 602; VCC 1705.4		
Masonry installation	Inspection of placement of masonry and joints		Field Review; ACI 530.1; ASCE 6; TMS 602; VCC 1705.4		
STRUCTURAL STEEL					
Verify fabrication/quality control procedures	In-plant inspection of fabrication/quality control procedures**		VCC 1704.2.5		
Bolts, nuts, and washers – materials	Material identification markings Review of certificate of compliance		Submittal & Field Review; VCC 1705.2; ASTM; AISC 360, Section A3.3		
Bolts, nuts, washers – installation	Inspection of in-place high-strength bolts, snug-tight joints, pre-tensioned and bearing type, and slip critical connections		Submittal & Field Review; VCC 1705.2, AISC 360 Section M2.5		

County of Goochland -Schedule of Special Inspections

MATERIAL/ACTIVITY	TYPE OF INSPECTION	APPLICABLE TO THIS PROJECT			
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Structural steel – materials	Material identification markings and review of Certificate of Compliance		Submittal & Field Review; VCC 1704.2.5, 1708.4, ASTM A6, A568		
Structural steel details – installation	Inspection of member locations, structural details for bracing, connections, stiffening		Submittal & Field Review; VCC 1705.2		
Weld filler materials and welder certification	Review of identification markings, certificate of compliance, and welder certifications		Submittal & Field Review; AISC 360 A3.5		
Welds	Inspection and testing of welds		Field Review; VCC 1704.3.1; AWS D1.1, D1.3		
Cold-formed steel trusses spanning 60’ or greater	Inspection of temporary and permanent restraints/bracing		Field review VCC 1705.2		
WOOD					
Verify fabrication/quality control procedures	In-plant inspection of fabrication/quality control procedures**		VCC 1704.2.5		
Metal plate connected wood/metal trusses spanning 60’ or more	Approved bracing with submittal		VCC 1705.5.2		
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.		VCC 1705.5.1		
SPRAYED CEMENTITIOUS AND MINERAL FIBER FIRE RESISTIVE MATERIAL					
Structural member surface conditions	Field Review of surface conditions prior to application		AWCI 12-B; VCC 1705.15.2		
Application/thickness	Field review of application operations and thickness		ASTM E605, AWCI 12-B; VCC 1705.15.3		
Mastic & Intumescent Fire- Resistant Coating	Field review of application operations and thickness		CI 12-B; VCC 1705.16		
EXTERIOR INSULATION AND FINISH SYSTEMS					
Application	Field Review of application/installation		ASTM E2570; VCC 1704.2, 1705.17		
SMOKE CONTROL SYSTEMS					
Testing	Ductwork prior to concealment Pressure testing, flow measurements, detection and control verifications		VCC 1705.19		
Mass Timber	Inspection of sealants or adhesives		VCC 1705.20		
SPECIAL CASES					
Alternative Materials and Systems	As requested by Building Official, review system and installation		VCC 1707.1		

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MAIN WIND FORCE RESISTING SYSTEM				
Wind requirements	Review of the system components and installation		VCC 1705.11	
SEISMIC FORCE RESISTING SYSTEMS				
Seismic requirements	Review of the designated seismic systems and seismic force resistance systems		VCC 1705.12; 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		VCC 1704.2, 1705.18	
INSPECTION AGENTS	FIRM	TELEPHONE	ADDRESS	EMAIL
1. Special Inspector:				
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 independent inspection agency.



FINAL REPORT OF SPECIAL INSPECTIONS

PROJECT

PERMIT APPLICANT

PRIMARY RDP OF RECORD

STRUCTURAL ENGINEER OF RECORD

To the best of my information, knowledge, and belief, the special inspections required for this project and itemized in the Statement of Special Inspections submitted for permit, have been completed. Attached to this final report are the Certificates of Compliance for shop-fabricated load-bearing members and assemblies. (Include this statement only if applicable).

The following discrepancies that were outstanding since the last interim report dated _____, have been corrected:

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

Upon completion of all special inspections and testing, the SI shall submit a Final Report of Special Inspections to Building Official for review and approval. The Building Official review and approval is required prior to final building inspection approval or issuance of a Certificate of Occupancy.