**Pulaski County Virginia**
**Building Department**

# STATEMENT OF SPECIAL INSPECTIONS

**DATE**: _____

**PROJECT TITLE:** _____

**PROJECT ADDRESS:** _____

**BUILDING PERMIT #:** _____

**DESIGN PROFESSIONAL in RESPONSIBLE CHARGE:** _____

This ***Statement of Special Inspections*** is submitted as a condition for permit issuance in accordance with the Special Inspection and Structural Testing requirements of the Building Code. It includes a schedule of Special Inspection services applicable to this project as well as the name of the Special Inspection Coordinator and the identity of other approved agencies to be retained for conducting these inspections and tests. This ***Statement of Special Inspections*** encompasses the following disciplines:

☐ Structural ☐ Mechanical/Electrical/Plumbing

☐ Architectural ☐ Other: _____

The Special Inspection Coordinator shall keep records of all inspections and shall furnish inspection reports to the Building Official and the Registered Design Professional in Responsible Charge. Discovered discrepancies shall be brought to the **immediate** attention of the Contractor for correction. If such discrepancies are not corrected, the discrepancies shall be brought to the attention of the Building Official and the Registered Design Professional in Responsible Charge. The Special Inspection program does not relieve the Contractor of his or her responsibilities.

Interim reports shall be submitted to the Building Official and the Registered Design Professional in Responsible Charge.

A ***Final Report of Special Inspections*** documenting completion of all required Special Inspections, testing and correction of any discrepancies noted in the inspections shall be submitted prior to issuance of a Certificate of Use and Occupancy.

Job site safety and means and methods of construction are solely the responsibility of the General Contractor (GC).

Interim Report Frequency: or ☐ per attached schedule.

Prepared by:

(type or print name)

_____
Signature

Date

*Design Professional Seal*

| Owner's Authorization: | | | Building Official's Acceptance: | |
|---|---|---|---|---|
| Signature | Date | | Signature | Date |

**Pulaski County Virginia**
**Building Department**

# STATEMENT OF SPECIAL INSPECTIONS

## *Schedule of Inspection and Testing Agencies*

This Statement of Special Inspections / Quality Assurance Plan includes the following building systems:

- ☐ Soils and Foundations
- ☐ Cast-in-Place Concrete
- ☐ Precast Concrete
- ☐ Masonry
- ☐ Structural Steel
- ☐ Cold-Formed Steel Framing
- ☐ Spray Applied Fire Resistant Material
- ☐ Wood Construction
- ☐ Exterior Insulation and Finish System
- ☐ Mechanical & Electrical Systems
- ☐ Architectural Systems
- ☐ Special Cases

| Special Inspection Agencies | Firm | Address, Telephone, e-mail |
|---|---|---|
| 1. **Special Inspection Coordinator** | | |
| 2. Inspector | | |
| 3. Inspector | | |
| 4. Testing Agency | | |
| 5. Testing Agency | | |
| 6. Other | | |

Note: The inspectors and testing agencies shall be engaged by the Owner or the Owner's Agent, and not by the Contractor or Subcontractor whose work is to be inspected or tested. Any conflict of interest must be disclosed to the Building Official, prior to commencing work.

# STATEMENT OF SPECIAL INSPECTIONS

## QUALITY ASSURANCE PLAN

VCC sections 1704, 1705, and 1706 require quality assurance plans to be submitted for certain seismic and/or wind requirements. The wind requirements are for higher wind regions and would not typically apply to projects located in Pulaski County. Seismic conditions in this locality often do result in the need for a quality assurance plan (see section 1704.3.2). Both plans are included below for your convenience.

### Quality Assurance for Seismic Resistance

Seismic Design Category

Quality Assurance Plan Required (Y/N)

Description of seismic force resisting system and designated seismic systems:

### Quality Assurance for Wind Requirements

Basic Wind Speed (3 second gust)

Wind Exposure Category

Quality Assurance Plan Required (Y/N)

Description of wind force resisting system and designated wind resisting components:

### Statement of Responsibility

Each contractor responsible for the construction or fabrication of a system or component designated above must submit a Statement of Responsibility.

## *Qualifications of Inspectors and Testing Technicians*

The qualifications of all personnel performing Special Inspection and testing activities are subject to the approval of the Building Official. The credentials of all Inspectors and testing technicians shall be provided if requested.

**Key for Minimum Qualifications of Inspection Agents:**
When the Registered Design Professional in Responsible Charge, or Pulaski County Building Department deems it appropriate that the individual performing a stipulated test or inspection have a specific certification or license as indicated below, such designation shall appear below the *Agency Number* on the Schedule.

**Registered Design Professionals**

| | |
|---|---|
| PE/SE | Structural Engineer – a licensed SE or PE specializing in the design of building structures |
| PE/GE | Geotechnical Engineer – a licensed PE specializing in soil mechanics and foundations |
| PE/FPE | Fire Protection Engineer - a licensed PE specializing in design of fire protection systems * |
| PE/ME | Mechanical Engineer - a licensed PE specializing in design of mechanical systems * |
| EIT | Engineer-In-Training – a graduate engineer who has passed Fundamentals of Engineering exam |

**American Concrete Institute (ACI) Certification**

| | |
|---|---|
| ACI-CFTT | Concrete Field Testing Technician – Grade 1 |
| ACI-CCI | Concrete Construction Inspector |
| ACI-LTT | Laboratory Testing Technician – Grade 1&2 |
| ACI-STT | Strength Testing Technician |

**American Welding Society (AWS) Certification**

| | |
|---|---|
| AWS-CWI | Certified Welding Inspector |
| AWS/AISC-SSI | Certified Structural Steel Inspector |

**American Society of Non-Destructive Testing (ASNT) Certification**

| | |
|---|---|
| ASNT | Non-Destructive Testing Technician – Level II or III |

**International Code Council (ICC) Certification**

| | |
|---|---|
| ICC-SMSI | Structural Masonry Special Inspector |
| ICC-SWSI | Structural Steel and Welding Special Inspector |
| ICC-SFSI | Spray-Applied Fireproofing Special Inspector |
| ICC-PCSI | Pre-stressed Concrete Special Inspector |
| ICC-RCSI | Reinforced Concrete Special Inspector |

**National Institute for Certification in Engineering Technologies (NICET)**

| | |
|---|---|
| NICET-CT | Concrete Technician – Levels I, II, III & IV |
| NICET-ST | Soils Technician - Levels I, II, III & IV |
| NICET-GET | Geotechnical Engineering Technician - Levels I, II, III & IV |

**Exterior Design Institute (EDI) Certification**

| | |
|---|---|
| EDI-EIFS | EIFS Third Party Inspector |

Approved:_____

**Note to A/E:** Indicate in the "Y/N" column the special inspections required for this project.

# 2021 VUSBC SPECIAL INSPECTIONS

| MATERIAL/ACTIVITY | TYPE OF TEST/INSPECTION | Y/N | EXTENT/ REFERENCE * | AGENCY # (QUALIF.) | SCOPE |
|---|---|---|---|---|---|
| **GENERAL** | | | | | |
| Pre-construction Conference | Meeting with parties listed to discuss Special Inspection procedures | **Y** | Pulaski County SI Guidelines | **ALL agencies** | Schedule by SI w/ Contractor prior to commencement of work |
| **QUALITY ASSURANCE** | | | | | |
| Seismic | Quality Assurance Plan | | 1705.3 | PE/SE/ME | Seismic Classification (C,D,E,F) |
| Wind | Quality Assurance Plan | | 1705.4 | PE/SE/ME | Wind Speed > 110 mph |
| **FOUNDATIONS** | | | | | |
| Soil | Compaction of Fill Materials | | Specs, 1704.7, C | PE/GE | Perform sieve tests and modified Proctor tests of each source of fill material, per ASTM standards<br>Inspect placement, lift thickness and compaction of controlled fill<br>Test density of lift of fill by nuclear meth.<br>Verify extent and slope of fill placement |
| Soil | Bearing at bottom of footing excavations | | Specs/Const. , C | PE/GE | Inspect soils below footings for adequate bearing capacity and consistency with geotechnical report<br>Inspect removal of unsuitable material and preparation of subgrade prior to placement of controlled fill |
| Soil / Rock | Bottom of Caissons | | 1810.7, P | PE/GE | |
| Piles | Driving records, tip & cutoff elevations | | 1704.8,1808,1809,C | PE/GE | Inspect and log pile driving operations<br>Record pile driving resistance and verify compliance with driving criteria<br>Inspect piles for damage from driving & plum.<br>Verify pile size, length and accessories<br>Inspect installation of drilled pier foundations<br>Verify pier diameter, bell diamter, lengths, embedment into bedrock and suitability |
| Piles | Load Test | | Specs, 1808.2.8.3,C | PE/GE | Monitor pile load test |
| Reinf. Bars | Size & placement in foundations | | ACI, Specs, C | ACI CCI ICC-RCSI | Inspect size, spacing, cover, positioning and grade of reinforcing steel. Verify that reinfor-ing bars are free from oil or other deleterious materials. Inspect bar laps and mechanical splices. Verify that bars are adequately tied and supported on chairs or bolsters |
| Piers | Size & placement of Reinf. Bars | | 1704.9, C | ACI CCI ICC-RCSI | Inspect size, spacing, cover, positioning and grade of reinforcing steel. Verify that reinfor-ing bars are free from oil or other deleterious materials. Inspect bar laps and mechanical splices. Verify that bars are adequately tied and supported on chairs or bolsters |

**Note to A/E:** Indicate in the "Y/N" column the special inspections required for this project.

| | | | | | |
|---|---|---|---|---|---|
| Other | | | | | |
| **CONCRETE CONSTRUCTION** | | | | | |
| Concrete | Ready-mix Plant quality control | | Specs, ACI, 1704.4 | ACI CCI ICC-RCSI | Review concrete batch tickets and verify compliance with approved mix design. Verify that water added at the site does not exceed that allowed by the mix design, as permitted by ASTM C94. |
| Concrete | Mix design tests and certificates | | Specs, 1704.4.1,P | | See Notes 1, 2, 3-Submit appropriate cert. |
| Reinf. Steel | Shop drawings of reinforcing steel | | Specs, Note 1, 2,3 | PE/SER | Verify compliance with specified design loads and specifications; verify on-site conditions match shop drawing details |
| Reinf. Steel | Placement of reinforcing steel | | 1704.4, C | ACI CCI ICC-RCSI | Inspect size, spacing, cover, positioning and grade of reinforcing steel. Verify that reinforing bars are free from oil or other deleterious materials. Inspect bar laps and mechanical splices. Verify that bars are adequately tied and supported on chairs or bolsters |
| Reinf. Steel | Welding | | 1704.4, P | AWS-CWI | Visually inspect all reinforcing steel welds. Verify weldability of reinforcing steel, Inspect preheating of steel when required |
| Formwork | Design, placement & shoring | | 1906.1, ACI 318 VUSBC 1704.4 **P** | ACI CCI ICC-RCSI | Visually inspect placement, bracing, and general construction of formwork; review design of formwork |
| Formwork | Removal and reshoring | | 1906.2, VUSBC 1704.4 **P** | ACI CCI ICC-RCSI | Ensure implementation of shoring removal schedule is established and controlled |
| Concrete | Sampling and Testing | | 1704.4, 1905.6, C | ACI-CFTT ACI-STT | Test concrete compressive strength (ASTM C31 & C39), slump (ASTM C143), air-content (ASTM C231 or C173) and temperature (ASTM C1064) |
| Concrete | Mix proportions & Mix on Delivery Tickets | | 1704.4, P | ACI CCI ICC-RCSI | Verify use |
| Concrete | Placement procedures | | 1905.9, 1905.10, C | ACI CCI ICC-RCSI | Inspect placement of concrete. Verify that concrete conveyance and depositing avoids segregation or contamination. Verify that concrete is properly consolidated |
| Concrete | Curing temperatures & techniques | | 1905.11, P | ACI CCI ICC-RCSI | Inspect curing, cold weather & hot weather protection proceedures |
| Prestressed | Prestressing procedures & forces | | 1704.4, C | ICC-PCSI | Inspect placement, stressing, grouting and protection of post-tensioning tendons. Verify that tendons are correctly positioned, supported, tied, and wrapped. Record tendon elongations |

**Note to A/E:** Indicate in the "Y/N" column the special inspections required for this project.

| | | | | | |
|---|---|---|---|---|---|
| Prestressed | Shop drawings of prestressed units | | Specs | PE/SE | Verify compliance with specified design loads and specifications; verify on-site conditions match shop drawing details |
| Precast | Plant Certification/Quality control of Manufacturer<br>□ Fabricator Exempt | | 1704.2, P | ACI CCI<br>ICC-RCSI | Review plant operations and quality control procedures |
| Precast | Shop drawings of precast | | Specs | PE/SER | Verify compliance with specified design loads and specifications; verify on-site conditions match shop drawing details |
| Precast | Erection of precast | | 1704.4, P | PE/SE | Inspect erection of precast concrete includ-ing member configuration, connections, welding and grouting |
| Precast | Inspection of Connections | | 1704.4, P | PE/SE | Inspect size, positioning and embedment of connections. Inspect concrete placement and consolidation around anchors |
| Anchor Rods | Anchors cast in concrete | | 1912, P | ACI CCI<br>ICC-RCSI | Inspect size, positioning and embedment of anchor rods. Inspect concrete placement and consolidation around anchors |
| Other | | | | | |
| **MASONRY CONSTRUCTION Required Inspection Level: 1 2**<br>**(IBC section 1704.5.1, 1704.5.2 and 1704.5.3)** | | | | | |
| Material Certification | Certificates, Tests & technical data | | 1704.5, 1708.1<br>ACI 530.1 | PE/SE | For clay and/or concrete masonry-submittal and field review meeting all specifications<br>Fire Resistant rated assemblies included |
| Reinf. Steel | Shop Drawings | | Specs, 1704.5 | PE/SER | Verify compliance with specified design loads and specifications; verify on-site conditions match shop drawing details |
| Reinf. Steel | Condition, Size, Location, Spacing of Reinf Steel | | 1704.5.ACI 530.1,C | ICC-SMSI<br>AWS-CWI | Inspect size, location, condition, spacing and lapping or reinforcing steel<br>Inspect welding of reinforcing steel |
| Mixing of Mortar and Grout | Proportioning & Mixing | | 1704.5.ACI 530.1,C | ICC-SMSI | Inspect proportioning, mixing, and retemper-ing of mortar and grout |
| Installation of Masonry | Application & Installation | | 1704.5.ACI 530.1,P | ICC-SMSI | Inspect size, layout, bonding and placement of masonry units |
| Mortar Joints | Application & Installation | | 1704.5.ACI 530.1,P | ICC-SMSI | Inspect construction of mortar joints including tooling and filling of head joints |
| Prestressed Masonry | Application & Installation | | 1704.5.ACI 530.1,P | ICC-SMSI | Inspect placement, anchorage and stressing of prestressing bars |
| Grouting Operations | Application & Installation | | 1704.5.ACI 530.1,C | ICC-SMSI | Inspect placement and consolidation of grout. Inspect masonry clean-outs for high-lift grouting |
| Weather Protection | Cold, Hot & Rainy Weather protection investigation | | 1704.5.ACI 530.1,P | ICC-SMSI | Inspect curing, cold weather & hot weather protection proceedures. Verify that wall cavities are protected against precipitation |
| Evaluation of Masonry Strength | Testing/review of strength | | 1704.5.ACI 530.1,P | ICC-SMSI | Test compressive strength of mortar (ASTM C780) and grout specimen samples (ASTM C1019). Test compressive strength per unit strength method (ASTM C140) |

**Note to A/E:** Indicate in the "Y/N" column the special inspections required for this project.

| | | | | | |
|---|---|---|---|---|---|
| Anchors & Ties | Inspection of anchorages | | 1704.5.ACI 530.1,P | ICC-SMSI | Inspect size, location, spacing and embedd-ment of dowels, anchors, and ties |
| Seismic | Reinforcing (Seismic Design Cat. "C") | | 1704.8.1, P | PE/SE | |
| Other | | | | | |
| **STEEL CONSTRUCTION** | | | | | |
| Steel Member Fabricator | Plant Certification/Quality control of Manufacturer<br>☐ Fabricator Exempt | | 1704.2, P | AWS/AISC-SSI ICC-SWSI | Review shop fabrication and quality control procedures |
| Material Certification | Mfr's Certificate of Compliance Structural Steel | | 1704.3, P | AWS/AISC-SSI ICC-SWSI | Review certified mill reports and identification markings for wide-flange shapes |
| Material Certification | Mfr's Certificate of Compliance Bolts, nuts, washers & connectors | | 1704.3, P | AWS/AISC-SSI ICC-SWSI | Review certified mill reports and identification markings for high-strength bolts, nuts and welding electrodes |
| Open Web Steel Joists | Inspection of joists installation | | 1704.3, P | AWS/AISC-SSI ICC-SWSI | Inspect installation, field welding and bridging of joists |
| Steel Framing Drawings | Shop drawings review | | Specs | PE/SER | Verify compliance with specified design loads and specifications; verify on-site conditions match shop drawing details |
| Erection-Bolting | Installation of High-strength Bolts | | 1704.3.3, AISC LRFD, P | AWS/AISC-SSI ICC-SWSI | Inspect installation and tightening of high-strength bolts. Verify that splines have sep-arated from tension control bolts. Verify proper tightening sequence. |
| Erection-Bolting | Installation of Slip-critical Bolts | | 1704.3.3, AISC LRFD, C | AWS/AISC-SSI ICC-SWSI | Inspect installation and tightening of high-strength bolts. Verify that splines have sep-arated from tension control bolts. Verify proper tightening sequence. Continuous inpsection of bolts in slip critical connec. |
| Erection-Welding | Welding | | 1704.3.1, 1707.2 AWS, C | AWS-CWI ASNT | Visually inspect all welds. Inspect pre-heat, post-heat and surface preparation between passes. Verify size and length of fillet weld Ultrasonic testing of all full-penetration welds |
| Erection-Shear Connections | Steel Framing and Connections | | 1704.3.2, P | AWS/AISC-SSI ICC-SWSI | Inspect size, number, positioning and weld-ing of shear connectors. Inspect studs for full 360 degree flash. Ring test all shear connectors with a 3lb hammer. Bend test all questionable studs to 15 degrees |
| Structural Details | Inspection of structural details | | 1704.3.2, P | PE/SE | Inspect steel frame for compliance with structural drawings, including bracing, mem-ber configuration and connection details |

**Note to A/E:** Indicate in the "Y/N" column the special inspections required for this project.

| | | | | | |
|---|---|---|---|---|---|
| Metal Decking | Inspection of metal deck connections | | 1704.3, P | AWS-CWI | Inspect welding and side lap fastening of metal roof and floor deck |
| Other | | | | | |
| **COLD-FORMED STEEL FRAMING** | | | | | |
| Member Sizes | | | 1707.4, P | | |
| Material Thickness | | | 1707.4, P | | |
| Material Properties | | | 1707.4, P | | |
| Mechanical Connections | Fastening per code and drawings | | 1707.4, P | | |
| Welding | | | 1707.4, P | | |
| Framing Details | | | 1707.4, P | | |
| Trusses | Shop drawings | | 1707.4, P | PE/SER | Verify compliance with specified design loads and specifications; verify on-site conditions match shop drawing details |
| Permanent Truss Bracing | Truss placement, fastening & anchorage | | 1707.4, P | | |
| Other | | | 1707.4, P | | |
| **WOOD CONSTRUCTION** | | | | | |
| Wood Pre-Fabrication | Plant Certification/Quality control of Manufacturer<br>□ Fabricator Exempt | | 1704.2, P | | Inspect shop fabrication and quality control procedures for wood truss plant |
| Material Grading | Grade stamp | | Specs | | |
| Connections | Fastening per code and drawings | | Specs, 1704.6, P | | |
| Framing and Details | | | | | |
| Diaphragms and Shearwalls | | | 1704.6.1, P | | Inspect size, configuration, blocking, and fastening of shearwalls and diaphragms. Verify panel grade and thickness |
| Trusses | Shop drawings | | Specs | PE/SER | Verify compliance with specified design loads and specifications; verify on-site conditions match shop drawing details |
| Trusses | Truss placement, fastening & anchorage | | Specs, 1704.6, P | | |
| Laminates | Shop drawings | | Specs | PE/SER | Verify compliance with specified design loads and specifications; verify on-site conditions match shop drawing details |
| Laminates | Identification per shop drawings | | Specs | | |

**Note to A/E:** Indicate in the "Y/N" column the special inspections required for this project.

| | | | | | |
|---|---|---|---|---|---|
| Plywood | Grade stamp & thickness | | Specs, 1704.6.1 | | |
| Other | | | | | |
| **SPRAY-APPLIED FIRE RESISTANT MATERIAL (SFRM)** | | | | | |
| Material Specifications | Manufacturer's data | | Specs | PE/SE/FPE | |
| Laboratory Tested Fire Resistance Design | | | 1704.10.1 | ICC-SFSI | Review Third-party fire resistive design assembly (eg. UL, FM, etc.) for each rated beam, column, or assembly |
| Schedule of Thickness | | | 1704.10.2, P | ICC-SFSI | Review approved thickness schedule |
| Surface Preparation | Surface Conditions | | 1704.10.3, P | ICC-SFSI | Inspect surface preparation of steel prior to application of SFRM |
| Application | | | 1704.10.4, P | ICC-SFSI | Inspect application of SFRM |
| Curing and Ambient Condition | | | 1704.10.5, P | ICC-SFSI | Verify ambient temperature and ventilation is suitable for application and curing of SFRM |
| Thickness | | | 1704.10.3,Spec, P | ICC-SFSI | Test thickness of SFRM (ASTM E605). Perform a set of thickness measurements for every 1,000 SF of floor and roof assemblies and on not less than 25% of rated beams and columns |
| Density | | | 1704.10.4,Spec, P | ICC-SFSI | Test density of SFRM material (ASTM E605) |
| Bond Strength | | | 1704.10.5,Spec, P | ICC-SFSI | Test the cohesive/adhesive bond strength of SFRM (ASTM E736). Perform not less than one test for each 10,000 SF. |
| Other | | | Specs, P | | |
| **MASTIC and INTUMESCANT FIRE-RESISTIVE COATINGS** | | | | | |
| Application | Inspect mastic and intumescent fire-resistant coatings applied to structural elements and decks, in accordance with AWCI 12-B. | | 1704.11, AWCI 12-B, P | ICC-SFSI | Verify thickness and application of coatings prescribed in fire-resistant design. |
| **EXTERIOR INSULATION and FINISH SYSTEMS (EIFS)** | | | | | |
| Material Submittal | | | Specs | EDI-EIFS | |
| Condition of Substrate | | | Specs | EDI-EIFS | |
| Application of Foam Plastic Board | | | Specs, 1704.12, P | EDI-EIFS | |
| Application of Coatings | | | Specs, 1704.12, P | EDI-EIFS | |
| Application of Mesh | | | Specs, 1704.12, P | EDI-EIFS | |
| Ambient Condition and Curing | | | Specs, 1704.12, P | EDI-EIFS | |

**Note to A/E:** Indicate in the "Y/N" column the special inspections required for this project.

| | | | | | |
|---|---|---|---|---|---|
| Flashing and Joint Details | | | Specs, 1704.12, P | EDI-EIFS | |
| Sealants/Caulks | | | Specs, 1704.12, P | EDI-EIFS | |
| Other | | | | | |
| **SMOKE CONTROL** | | | | | |
| Ducts | Device location and air duct leakage | | 1704.14, P | PE/FPE/ME | |
| System | Pressure difference, flow measurements & detection testing | | 1704.14, P | PE/FPE/ME | |
| Controls | Activation sequence | | 1704.14, P | PE/FPE/ME | |
| Other | | | | | |
| **ARCHITECTURAL/MECHANICAL/ELECTRICAL SYSTEMS** | | | | | |
| Components | Storage Racks | | 1707.6, ASCE 7, P | | |
| Wall Panels & Veneers | Architectural Exterior Cladding | | 1707.7, ASCE 7, P | | |
| Suspended Ceilings | Periodic Anchorage Inspection | | 1707.6, ASCE 7, P | | |
| Access Floors | Periodic Anchorage Inspection | | 1707.6, ASCE 7, P | | |
| Partitions | Periodic Anchorage Inspection | | 1707.7, ASCE 7, P | | |
| Mechanical Systems | Mechanical, HVAC & Piping | | 1707.8, 1708.5, P | | |
| Electrical Systems | Emergency & Standby Power Sys. | | 1707.8, 1708.5, P | | |
| Fire Wall Assemblies | Manufacturer's Data | | Specs | | |
| Fire Wall Assemblies | Placement of Materials | | Specs | | |
| Other | | | | | |
| **EARTH RETAINING STRUCTURES >10 FT. UNBALANCED FILL** | | | | | |
| Footing, Foundation | Inspect placement of foundation system | | Specs, County Pol. | PE/SE/GE | |
| Backfill Information | Confirm type of soil and height | | Specs, County Pol. | PE/SE/GE | |
| Guard Rail | Load Test | | Specs, County Pol. | PE/SE/GE | |
| Wall Geometry | Verify dimensions of wall per appr. Plans | | Specs, County Pol. | PE/SE/GE | |
| Compaction Testing | Compaction of Fill Materials | | Specs, County Pol. | PE/SE/GE | |
| Layout Information | | | Specs, County Pol. | PE/SE/GE | |
| Other | | | | | |
| **SPECIAL CASES** | | | | | |
| Alternative Materials & Sys. | As requested by Building Official, review and installation | | 1704.13 | | |
| System Commissioning | Commissioning Systems for LEED certified projects, etc. | | | | |
| Other | | | | | |
| | | | | | |
| | | | | | |

**Note:**

**Note to A/E:** Indicate in the "Y/N" column the special inspections required for this project.

1. Fabricator, supplier, ready-mixed plant or other production plant shall provide certificates from an approved indpendent inspection, testing or quality assurance agency attesting that the plant meets at least one of the following criteria:
   a. The plant is a certified production plant meeting the quality assurance standards of a recognized national standards organization for that product.
   b. The plant maintains an agreement with an independent inspection or quality assurance agency to conduct periodic in-plant quality assurance inspections, where frequency is no less than 6 months.
   c. The plant has an in-shop quality assurance inspection program by an independent testing or quality assurance agency for the work/product to be provided on this project.
2. A/E shall review fabricator/supplier/producer certificates and shop drawings for conformance with apppropriate standards of practice and quality assurance.
3. Contractor/supplier shall submit manufacturer's certificates of compliance and shop drawings for the materials/products.
4. Special inspection personnel/firm(s) selected to perform smoke control commissioning must have experience in fire protection engineering, mechanical engineering, and certification as an air balancer.
5. References to Agency/personnel qualifications that are already listed are considered to be a minimum by the Building Official, unless otherwise specifically approved. A Registered Design Professional (RDP), i.e., Arch./PE is considered to meet any of the minimum certification requirements listed above.
6. Unless otherwise noted, the reference numbers listed above refer to the 2021 VUSBC & 2021 VCC.
7. Notations to Periodic (P) or Continuous (C) inspections indicate frequency of certain inspections.