Department of Permitting Services
255 Rockville Pike, 2nd Floor
Rockville, MD 20850-4166
Phone: 311 in Montgomery County or (240) 777-0311
Fax (240)-777-6262
http://www.montgomerycountymd.gov/permittingservices

DPS

Inspection-Statement of Special Inspection

Project Name: _____

Project Address: _____

Permit Number: (A/P): _____

Permit Applicant: _____ Phone: (____) _____

Applicant's Address: _____

Owner: _____ Phone: (____) _____

Owner's Address: _____

Architectural Inspector (AI): _____

Address: _____

License: _____ Phone: (____) _____

Structural Engineer of Record (SER): _____

Address: _____

License: _____ Phone: (____) _____

Mechanical Engineer of Record (MER): _____

Address: _____

License: _____ Phone: (____) _____

Geotechnical Inspector (GI): _____

Address: _____

License: _____ Phone: (____) _____

Special Inspector (SI): _____

Address: _____

License: _____ Phone: (____) _____

Testing Agency Engineer (if different from SI): _____

Address: _____

License: _____ Phone: (____) _____

Precast Concrete Engineer of Record (PER): _____

Address: _____

License: _____ Phone: (____) _____

General Contractor (GC): _____

Address: _____

License: _____ Phone: (____) _____

SCHEDULE OF SPECIAL INSPECTIONS

STRUCTURAL STEEL Reference: IBC Table 1704.3	**EXTENT OF SERVICE** (Continuous or periodic)	**AGENT**
1. Material verification of high-strength bolts, nuts and washers: a. Identification markings to conform to ASTM standards specified in the approved construction documents. b. Manufacturer's certificate of compliance required.		
2. Inspection of high-strength bolting: a. Snug-tight joints. b. Pretensioned and slip-critical joints using the turn-of- nut with matchmarking, twist-off bolt or direct tension indicator methods of installation. c. Pretensioned and slip-critical joints using turn-of-nut without matchmarking or calibrated wrench methods of installation.		
3. Material verification of structural steel and cold-formed steel deck: a. For structural steel, identification markings to conform AISC 360. b. For other steel, identification markings to conform to ASTM standards specified in the approved construction documents. c. Manufacturer's certified test reports.		
4. Material verification of weld filler materials: a. Identification markings to conform to AWS specification in the approved construction documents. b. Manufacturer's certificate of compliance required.		

(Continued)

STRUCTURAL STEEL (Cont.) Reference: IBC Table 1704.3	**EXTENT OF SERVICE** (Continuous or periodic)	**AGENT**
5. Inspection of welding: a. Structural steel and cold-formed steel deck 1) Complete and partial joint penetration groove welds. 2) Multipass fillet welds. 3) Single-pass fillet welds > 5/16” 4) Plug and slot welds. 5) Single-pass fillet welds < or equal 5/16” 6) Floor and roof deck welds. b. Reinforcing steel: 1) Verification of weldability of reinforcing steel other than ASTM A 706. 2) reinforcing steel resisting flexural and axial forces in intermediate and special moment frames, and boundary elements of special structural walls of concrete and shear reinforcement. 3) Shear reinforcement. 4) Other reinforcing steel.		
6. Inspection of steel frame joint details for compliance: a. Details such as bracing and stiffening. b. Member locations. c. Application of joint details at each connection.		
INSPECTION OF FABRICATORS AND FABRICATION PROCEDURES Reference: IBC Section 1704.2		

CONCRETE Reference: IBC Table 1704.4	**EXTENT OF SERVICE** (Continuous or periodic)	**AGENT**
1. Inspection of reinforcing steel, including prestressing tendons, and placement.		
2. Inspection of reinforcing steel welding in accordance with IBC Table 1704.3, item 5b.		
3. Inspection of bolts to be installed in concrete prior to and during placement of concrete where allowable loads have been increased or where strength design is used.		
4. Inspection of anchors installed in hardened concrete.		
5. Verifying use of required design mix.		
6. At the time fresh concrete is sampled to fabricate specimens for strength tests, perform slump and air content tests, and determine the temperature of the concrete.		
7. Inspection of concrete and shotcrete placement for proper application techniques.		
8. Inspection for maintenance of specified curing temperature and techniques.		
9. Inspection of prestressed concrete: a. Application of prestressing forces. b. Grouting of bonded prestressing tendons in the seismic-force-resisting system		
10. Erection of precast concrete members.	Continuous. (County amendment).	
11. Verification of in-situ concrete strength, prior to stressing of tendons in post-tensioned concrete and prior to removal of shores and forms from beams and structural slabs. The strength evaluation shall be demonstrated by field cured cylinders only.	Continuous. (County amendment).	
12. Inspect formwork for shape, location and dimensions of the concrete member being formed.		

MASONRY (LEVEL 1) Reference: IBC Table 1704.5.1	**EXTENT OF SERVICE** (Continuous or periodic)	**AGENT**
1. Compliance with required inspection provisions of the construction documents and the approved submittals shall be verified.		
2. Verification of f'm and f'aac prior to construction except where specifically exempted by the IBC code.		
3. Verification of slump flow and VSI as delivered to the site for self-consolidating grout.		
4. As masonry construction begins, the following shall be verified to ensure compliance: a. Proportions of site-prepared mortar. b. Construction of mortar joints. c. Location of reinforcement, connectors, prestressing tendons and anchorages. d. Prestressing technique. e. Grade and size of prestressing tendons and anchorages.		
5. During construction the inspection program shall verify: a. Size and location of structural elements. b. Type, size and location of anchors, including other details of anchorage of masonry to structural members, frames or other construction. c. Specified size, grade and type of reinforcement, anchor bolts, prestressing tendons and anchorages. d. Welding of reinforcing bars. e. Preparation, construction and protection of masonry during cold weather (temperature below 40 degrees F) or hot weather (temperature above 90 degrees F). f. Application and measurement of prestressing force.		

MASONRY (LEVEL 1) (Cont.) Reference: IBC Table 1704.5.1	**EXTENT OF SERVICE** (Continuous or periodic)	**AGENT**
6. Prior to grouting, the following shall be verified to ensure compliance: a. Grout space is clean. b. Placement of reinforcement and connectors, and prestressing tendons and anchorages. c. Proportions of site-prepared grout and prestressing grout for bonded tendons. d. Construction of mortar joints.		
7. Grout placement shall be verified to ensure compliance: a. Grouting of prestressing bonded tendons.		
8. Preparation of any required grout specimens, mortar specimen and/or prisms shall be observed.		

MASONRY (LEVEL 2) Reference: IBC Table 1704.5.3	**EXTENT OF SERVICE** (Continuous or periodic)	**AGENT**
1. Compliance with required inspection provisions of the construction documents and the approved submittals.		
2. Verification of f'm and f'aa prior to construction and for every 5,000 square feet during construction.		
3. Verification of proportions of materials in premixed or preblended mortar and grout as delivered to the site.		
4. Verification of slump flow and VSI as delivered to the site for self-consolidating grout.		
5. The following shall be verified to ensure compliance: a. Proportions of site-prepared mortar, grout and prestressing grout for bonded tendons. b. Placement of masonry units and construction of mortar joints. c. Placement of reinforcement, connectors and prestressing tendons and anchorages. d. Grout space prior to grout. e. Placement of grout. f. Placement of prestressing grout. g. Size and location of structural elements. h. Type, size and location of anchorage of anchors, including other details of anchorage of masonry to structural members, frames or other construction. i. Specified size, grade and type of reinforcement, anchor bolts, prestressing tendons and anchorages. j. Welding of reinforcing bars. k. Preparation, construction and protection of masonry during cold weather (temperature below 40 degrees F) or hot weather (temperature above 90 degrees F). l. Application and measurement of prestressing force.		
6. Preparation of any required grout specimens and/or prisms shall be observed.		

SOILS Reference: IBC Table 1704.7	**EXTENT OF SERVICE** (Continuous or periodic)	**AGENT**
1. Verify materials below shallow foundations are adequate to achieve the design bearing capacity.		
2. Verify excavations are extended to proper depth and have reached proper material.		
3. Perform classification and testing of compacted fill materials.		
4. Verify use of proper materials, densities and lift thicknesses during placement and compaction of compacted fill.		
5. Prior to placement of compacted fill, observe subgrade and verify that site has been prepared properly.		
DRIVEN DEEP FOUNDATION ELEMENTS Reference: IBC Table 1704.8		
1. Verify element materials, sizes and lengths comply with the requirements.		
2. Determine capacities of test elements and conduct additional load tests, as required.		
3. Observe driving operations and maintain complete and accurate records for each element.		
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 and butt elevations and document any damage to foundation element.		
5. For steel elements, perform additional inspections in accordance with IBC Section 1704.3		
6. For concrete elements and concrete-filled elements, perform additional inspections in accordance with IBC Section 1704.4		
7. For specialty elements, perform additional inspections as determined by the registered design professional in responsible charge.		

CAST-IN-PLACE DEEP FOUNDATIONS Reference: IBC Table 1704.9	**EXTENT OF SERVICE** (Continuous or periodic)	**AGENT**
1. Observe drilling operations and maintain complete and accurate records for each element.		
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.		
3. For concrete elements, perform additional inspections in accordance with IBC Section 1704.4		
SPRAYED FIRE-RESISTANT MATERIALS Reference: IBC Section 1704.12		
1. Tests and observations required a. Condition of substrates b. Thickness of application c. Density in pounds per cubic feet d. Bond strength adhesion/cohesion e. Condition of finished application		
MASTIC AND INTUMESCENT FIRE-RESISTANT COATINGS Reference: IBC Section 1704.13		
EXTERIOR INSULATION AND FINISH SYSTEMS (EIFS). (Method of construction shall be reviewed and approved by the County). Reference: IBC Section 1704.14		
SPECIAL CASES Reference: IBC Section 1704.15		
SMOKE CONTROL SYSTEMS Reference: IBC Section 1704.16		

MECHANICAL INSPECTIONS		
See Section 1.7.5 of the Special Inspection Program Manual	**EXTENT OF SERVICE** (Continuous or periodic)	**AGENT**

SHEETING AND SHORING	**EXTENT OF SERVICE** (Continuous or periodic)	**AGENT**
See Section 1.7.2 A of the Special Inspections Program Manual.		
UNDERPINNING		
See Section 1.7.2 B of the Special Inspections Program Manual.		

ARCHITECTURAL INSPECTIONS	**EXTENT OF SERVICE** (Continuous or periodic)	**AGENT**
See Section 1.7.6 of the Special Inspections Program Manual.		
WALL PANELS AND VENEERS		

COLD-FORMED STEEL LIGHT-FRAME	**EXTENT OF SERVICE** (Continuous or periodic)	**AGENT**
WOOD		

PRECAST	**EXTENT OF SERVICES** (Continuous).	**AGENT**
See additional requirements in Chapter 3 of the Special Inspections Program Manual.		
OTHER INSPECTIONS (Explain)		

This statement of special inspection is submitted as a condition for permit. It includes a Schedule of Special Inspections applicable to this project. The SI shall keep records of specified inspections and testing. The SI shall furnish specified inspection and test reports to the County building official, and to the registered design professionals of record, as appropriate. All discrepancies shall be brought to the attention of the contractor for correction. If the discrepancies are not corrected, the discrepancies shall be brought to the attention of the code official and to the registered design professionals of record, as appropriate. Interim reports shall be submitted as required by the special inspection program manual. A Final Report of Special Inspections documenting completion of all required special inspections and correction of documented discrepancies shall be submitted prior to the issuance of an occupancy permit. By signing the SSI, you also affirm that you understand and will comply with the County requirements for Special inspections as outlined in the "SSI", "Special Inspection Program Manual", and the "Building Code".

Owner:

Type or print name **Date**

Signature

Inspecting Architect:

Type or print name **Date**

Signature

Structural Engineer of Record (SER):

Type or print name **Date**

Signature

Mechanical Engineer of Record (MER):

Type or print name **Date**

Signature

Geotechnical Inspector

Type or print name **Date**

Signature

Precast Concrete Engineer of Record (PER)

Type or print name **Date**

Signature

Special Inspector:

Type or print name **Date**

Signature

Testing Agency Engineer of Record (if different from SI):

Type or print name **Date**

Signature

General Contractor (GC):

Type or print name **Date**

Signature

County Code Official's Acceptance:

Type or print name **Date**

Signature