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**Statement of Special Inspections**

Project: Pico-Hill Middle School  
Location: 410 Hawthill Street, Winston-Salem, NC  
Owner's Representative: City of Winston-Salem  
Owner's Address: 101 N Main Street, Winston-Salem, NC

This Statement of Special Inspections is submitted as a condition for permit issuance in accordance with the Special Inspection requirements of the 2018 North Carolina State Building Code. It includes a Schedule of Special Inspection Services applicable to this project as well as the name of the Special Inspector and the identity of other approved agencies intended to be retained for conducting these inspections. This Statement of Special Inspections was prepared by the following Designers of Record:

Structural	Stacy W. Russell, P.E.	Specialist	Owner
Architectural	Sam Beale, A.I.A.	Specialist	Owner
Mechanical	Chris Strang, P.E.	Specialist	Owner
Other		Specialist	Owner

The Special Inspector shall keep records of all inspections and shall furnish inspection reports to the State Construction Office and the Designers of Record. 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 State Construction Office and the Designers of Record. The Special Inspector program does not relieve the Contractor of his or her responsibilities.

Interim reports shall be submitted to the State Construction Office, Owner, and the Designers of Record.

Interim Report Frequency: Monthly

A Final Report of Special Inspections documenting completion of all required Special Inspections and correction of any discrepancies should 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 Contractor.

Owner's Authorization: Accepted for the SCO by:

Signature \_\_\_\_\_ Date \_\_\_\_\_ Signature \_\_\_\_\_ Date \_\_\_\_\_

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**Schedule of Special Inspection Services**

The following sheets comprise the required schedule of special inspections for this project. The construction divisions which require special inspections for this project are as follows:

<input checked="" type="checkbox"/> Structural Steel	<input checked="" type="checkbox"/> Sprayed Fire Resistant Material
<input checked="" type="checkbox"/> Cold-Formed Steel Framing	<input checked="" type="checkbox"/> Intumescent Fire-Resistant Coatings
<input checked="" type="checkbox"/> Concrete Construction	<input checked="" type="checkbox"/> Exterior Insulation & Finish Systems
<input checked="" type="checkbox"/> Masonry - Level 1-	<input checked="" type="checkbox"/> Smoke Control
<input checked="" type="checkbox"/> Wood Construction	<input checked="" type="checkbox"/> Retaining Walls Exceeding 5 Feet
<input checked="" type="checkbox"/> Sills	<input checked="" type="checkbox"/> Wind-Resisting Components (1704.4)
<input checked="" type="checkbox"/> Driven Deep Foundations	<input checked="" type="checkbox"/> Wind Requirements (1706)
<input checked="" type="checkbox"/> Cast-in-Place Deep Foundations	<input checked="" type="checkbox"/> Seismic Restraints*
<input checked="" type="checkbox"/> Helical Pile Foundations	

\* Occupancy Category IV structures, as defined by 1801.5 of the North Carolina Building Code, may require Level 2 inspection of masonry construction. The SCR shall review Code sections 1704.3.1 and 1704.3.2 and 1704.3.3 and suggest the level of special inspection services as needed.

b. Special Inspections for Wind Resistance are applicable to those areas outlined by 1705.4 of the North Carolina Building Code. Wind Resistance Special Inspections are only effective if the 1704.4.2 base liggers apply.

c. Special Inspections for Wind Requirements are applicable to those areas outlined by 1706.1 of the North Carolina Building Code. Wind Requirements are effective even if the 1704.4.2 base liggers do not apply.

d. Special Inspections for Seismic Restraints are applicable to those structures defined by 1801.1 of the North Carolina Building Code. Seismic Restraints are only effective if the 1704.4.2 base liggers apply.

Inspection Agents	Qualifications	Address
1. Special Inspector	SI	TBD
2. Structural Engineer of Record	SER	SKA Consulting Engineers, Inc. 100 Pomona Drive Greensboro, NC 27407
3. Testing Laboratory	ITL	TBD
4. Other		

Note: The inspection and testing agent shall be engaged by 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 State Construction Office, prior to commencing work.

Seismic Design Category:  A  B  C  D

Basic Wind Speed (V<sub>base</sub>):  90-109mph  110-119mph  ≥120mph

Wind Exposure Category:  B  C  D

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**Schedule of Special Inspection Services**  
**Structural Steel**

Item	Qualifications	Scope
1. Fabricator Certification/Quality Control Procedures	SER / SI	<ul style="list-style-type: none"> <li>Ensure fabricator meets the requirements of NCSCC 1704.2.2</li> <li>Collect certificate of compliance from fabricator at completion of fabrication</li> </ul>
2. Welding	SI	<ul style="list-style-type: none"> <li>Continuous inspection of complete and partial joint penetration welds, multipass fillet welds, plug and slot welds, and single-pass fillet welds ≥ 5/16" in accordance with NCSCC Table 1704.3</li> <li>Periodic inspection of single-pass fillet welds ≤ 5/16"</li> <li>Collect certificate of compliance for weld filler material</li> <li>Identify use of approved filler material and in accordance with AWS D1.1</li> </ul>
3. Metal Deck	SI	<ul style="list-style-type: none"> <li>Collect material data sheets for decking and connectors or fasteners</li> </ul>
4. Structural Details	SER / SI	<ul style="list-style-type: none"> <li>Periodic inspection of welds and / or mechanical fasteners</li> </ul>
5. Bolting	SI	<ul style="list-style-type: none"> <li>Collect material data sheets for bolts, nuts, and washers</li> <li>Collect certificate of compliance from bolt supplier</li> <li>Periodic inspection of snug-tight, pretensioned, and slip-critical joints in accordance with NCSCC Table 1704.3</li> <li>Continuous inspection of pretensioned and slip-critical joints using turn-of-nut, without stretch-marking or calibrated wrench methods of installation</li> </ul>
6. Material Certification	SI	<ul style="list-style-type: none"> <li>Collect certified mill test reports</li> </ul>

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**Schedule of Special Inspection Services**  
**Concrete Construction**

Item	Qualifications	Scope
1. Mix Design/Material Certifications	SER / SI	<ul style="list-style-type: none"> <li>Collect mix designs and verify appropriate mix use during specific installation</li> </ul>
2. Reinforcement Installation	SER / SI	<ul style="list-style-type: none"> <li>Periodic inspection of reinforcing steel, including welded wire fabric</li> <li>Collection of certified mill test reports</li> <li>Continuous inspection of reinforcing steel welding in accordance with Table 1704.3, Item 5b</li> </ul>
3. Concrete Placement/Finishing/Fresh Concrete, Sampling & prep of test samples	SI	<ul style="list-style-type: none"> <li>Continuous inspection of cast-in-place concrete placement</li> <li>Continuous monitoring of sampling of fresh concrete, slump test, or content test, temperature of concrete and creation of strength test specimens</li> <li>Periodic inspection of formwork</li> <li>Periodic verification of concrete strength prior to removal of forms and formwork, and structural slabs</li> <li>Continuous inspection of slabs to be installed in concrete pour areas that placement</li> <li>Periodic inspection of slabs installed in hardened concrete</li> </ul>
4. Curing & Protection	SI	<ul style="list-style-type: none"> <li>Periodic inspections of curing techniques</li> </ul>

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**Schedule of Special Inspection Services**  
**Masonry**

Item	Qualifications	Scope
1. Material Certification	SI	<ul style="list-style-type: none"> <li>Collect mix design for mortar</li> <li>Collect mix design for grout</li> <li>Certificates of Compliance for masonry constituents</li> </ul>
2. Mixing of Mortar & Grout	SI	<ul style="list-style-type: none"> <li>Periodic inspection of site prepared mortar, site-prepared grout, and grout for bonded tendons</li> <li>Continuous verification of slump flow and VSI as self-consolidating grout is delivered to the site</li> </ul>
3. Installation of Masonry	SER / SI	<ul style="list-style-type: none"> <li>Periodic inspection of construction of mortar joints, prior to beginning masonry construction and during construction</li> <li>Periodically verify the type, size, and location of anchors and their attachment to the structure</li> <li>Periodically verify size and location of structural elements</li> </ul>
4. Reinforcement Installation	SER / SI	<ul style="list-style-type: none"> <li>Verify location of reinforcement and connections to structure as construction begins</li> <li>Continuous inspection of reinforcing steel welding in accordance with Table 1704.3, Item 5b</li> <li>Prior to grouting periodically verify size, grade, and placement of reinforcement and connection of masonry to structural frame</li> </ul>
5. Grouting Operations	SI	<ul style="list-style-type: none"> <li>Prior to grouting, periodically verify conforming cleanliness of grout space and placement of the reinforcement and connectors</li> <li>Continuous observation of the placement of all grout</li> </ul>
6. Weather Protection	SI	<ul style="list-style-type: none"> <li>Periodically verify protection techniques for construction of masonry below 40°F and above 60°F</li> </ul>
7. Observation of the Evaluation of Masonry Strength	SI / ITL	<ul style="list-style-type: none"> <li>Periodic observation of the preparation of grout specimens, mortar specimens and or piers</li> </ul>

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**Schedule of Special Inspection Services**  
**Soils**

Item	Qualifications	Scope
1. Site Preparation	SI	<ul style="list-style-type: none"> <li>Determine that the subgrade has been prepared in accordance with the approved soils report and the construction document</li> </ul>
2. Fill Placement	SI	<ul style="list-style-type: none"> <li>Periodic classification and testing of compacted materials</li> <li>Continuous observation of materials used, density, and fill thickness ensuring compliance with the approved soils report and construction documents</li> </ul>
3. Evaluation	SI / ITL	<ul style="list-style-type: none"> <li>Determine that the materials below shallow foundations are adequate to achieve the design bearing capacity</li> </ul>

**Schedule of Special Inspection Services**  
**Sprayed On Fire Resistant Materials**

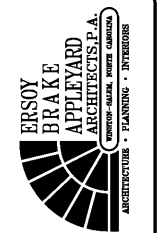
Item	Qualification	Scope
1. Preparation	SI	<ul style="list-style-type: none"> <li>Periodically inspect preparation of substrates prior to application in accordance with approved fire resistance design and approved manufacturer's written instructions</li> </ul>
2. Application	SI / ITL	<ul style="list-style-type: none"> <li>Periodically inspect that substrate has minimum ambient temperature before and after application as specified by the fire resistance design and approved manufacturer's written instructions</li> <li>Test thickness of sprayed on material per the instruction of Section 1704.12.4, the fire resistance design, and the approved manufacturer's written instructions</li> <li>Periodically test density of applied on material per fire resistance design and approved manufacturer's written instructions</li> <li>Periodically test bond strength to ensure a value greater than 150 pounds per square foot</li> </ul>

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**Schedule of Special Inspection Services**  
**Retaining Walls Exceeding 5 Feet**

Item	Qualifications	Scope
1. Retaining Systems	SI / ITL	<ul style="list-style-type: none"> <li>All retaining walls exceeding 5 feet in height require special inspections. Refer to the applicable material schedules for explicit requirements</li> </ul>
2. Material Certification	SI / ITL	<ul style="list-style-type: none"> <li>Periodic examination of backfill materials for compliance with the approved specifications</li> <li>Confirm that all subsoil drainage piping is unobstructed, drains freely to the designated outlet or structure, and has been installed per the approved engineered design</li> </ul>

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COMM: SWR  
DATE: 08/17/2021

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