STATEMENT OF STRUCTURAL SPECIAL INSPECTIONS
2009 INTERNATIONAL BUILDING CODE

STATEMENT OF SPECIAL INSPECTIONS NOTES:

This Statement of Special Inspections is submitted in accordance with Section 1704 of the 2009 International Building Code (referenced hereforth as Code). It includes a *Schedule of Special Inspection Services* applicable to the Project. If applicable, it includes *Requirements for Seismic Resistance* and/or *Requirements for Wind Resistance*.

The Owner shall employ one or more qualified Special Inspectors to perform this work. The Special Inspector(s) shall keep records of all inspections and shall furnish interim inspection reports to the Building Official and to the Registered Design Professional in Responsible Charge. 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 the Registered Design Professional in Responsible Charge prior to completion of that phase of work. A *Final Report of Special Inspections* documenting required special inspections and corrections of any discrepancies noted in the inspections shall be submitted to the Building Official and the Registered Design Professional in Responsible Charge at the conclusion of the project.

The Special Inspection program does not relieve the Contractor of responsibility to comply with the Contract Documents. Jobsite safety and means and methods of construction are solely the responsibility of the Contractor.

See specifications for additional testing requirements. Where conflicts occur, the most stringent requirement shall control.

INSPECTION OF FABRICATORS:

Where fabrication of structural load-bearing members and assemblies is being performed on the premises of a fabricator's shop, special inspection of the fabricated items shall be required by Section 1704.2 and as required elsewhere in the Code.

INSPECTION OF WELDING:

Welding inspection shall be in compliance with AWS D1.1. The basis for welding inspector qualification shall be AWS D1.1.

SCHEDULE OF SPECIAL INSPECTION SERVICES
TABLE 1704.3: REQUIRED VERIFICATION AND INSPECTION OF STEEL CONSTRUCTION

CHECK IF REQD	VERIFICATION AND INSPECTION	CONTINUOUS	PERIODIC
	1. Material verification of high-strength bolts, nuts and washers:		
☒	a. Identification markings to conform to ASTM standards specified in the approved construction documents.	---	X
☒	b. Manufacturer's certificate of compliance required.	---	X
	2. Inspection of high-strength bolting (AISC 360, Section M2.5):		
☒	a. Snug-tight joints.	---	X
☒	b. Pretensioned and slip-critical joints using turn-of-nut with matchmarking, twist-off bolt or direct tension indicator methods of installation.	---	X
☒	c. Pretensioned and slip-critical joints using turn-of-nut without matchmarking or calibrated wrench methods of installation.	X	---
	3. Material verification of structural steel and cold-formed steel deck:		
☒	a. For structural steel, identification markings to conform to AISC 360.	---	X
☒	b. For other steel, identification markings to conform to ASTM standards specified in the approved construction documents.	---	X
☐	c. Manufacturer's certified test reports.	---	X
	4. Material verification of weld filler materials:		
☒	a. Identification markings to conform to AWS specifications in the approved construction documents.	---	X
☒	b. Manufacturer's certificate of compliance required.	---	X
	5. Inspection of welding:		
	a. Structural steel and cold-formed steel deck:		
☐	1) Complete and partial penetration groove welds.	X	---
☒	2) Multipass fillet welds.	X	---
☒	3) Single-pass fillet welds > 5/16"	X	---
☐	4) Plug and slot welds.	X	---
☒	5) Single-pass fillet welds ≤ 5/16"	---	X
☒	6) Floor and roof deck welds.	---	X
	b. Reinforcing steel:		
☐	1) Verification of weldability of reinforcing steel other than ASTM A 706.	---	X
☐	2) Reinforcing steel-resisting flexural and axial forces in intermediate and special moment frames, and boundary elements of special reinforced concrete shear walls and shear reinforcement.	X	---
☐	3) Shear reinforcement.	X	---
☒	4) Other reinforcing steel.	---	X
	6. Inspection of steel frame joint details for compliance:		
☐	a. Details such as bracing and stiffening.	---	X
☒	b. Member locations.	---	X
☒	c. Application of joint details at each connection.	---	X

SCHEDULE OF SPECIAL INSPECTION SERVICES
TABLE 1704.7: REQUIRED VERIFICATION AND INSPECTION OF SOILS

CHECK IF REQD	VERIFICATION AND INSPECTION	CONTINUOUS	PERIODIC
☒	1. Verify materials below shallow foundations are adequate to achieve the design bearing capacity.	---	X
☒	2. Verify excavations are extended to proper depth and have reached proper material.	---	X
☒	3. Perform classification and testing of compacted fill materials.	---	X
☒	4. Verify use of proper materials, densities, and lift thicknesses during placement and compaction of controlled fill.	X	---
☒	5. Prior to placement of controlled fill, observe subgrade and verify that site has been prepared properly.	---	X

SCHEDULE OF SPECIAL INSPECTION SERVICES
TABLE 1704.4: REQUIRED VERIFICATION AND INSPECTION OF CONCRETE CONSTRUCTION

CHECK IF REQD	VERIFICATION AND INSPECTION	CONTINUOUS	PERIODIC
☒	1. Inspection of reinforcing steel, including prestressing tendons, and placement.	---	X
☐	2. Inspection of reinforcing steel welding in accordance with 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.	X	---
☒	4. Inspection of anchors installed in hardened concrete.	---	X
☒	5. Verifying use of required design mix.	---	X
☒	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.	X	---
☒	7. Inspection of concrete and shotcrete placement for proper application techniques.	X	---
☒	8. Inspection for maintenance of specified curing temperature and techniques.	---	X
☐	9. Inspection of prestressed concrete: a. Application of prestressing forces. b. Grouting of bonded prestressing tendons in the seismic-force-resisting system.	X X	---
☐	10. Erection of precast concrete members.	---	X
☐	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.	---	X
☒	12. Inspect formwork for shape, location, and dimensions of the concrete member being formed.	---	X

SCHEDULE OF SPECIAL INSPECTION SERVICES
TABLE 1704.5.1: LEVEL 1 REQUIRED VERIFICATION AND INSPECTION OF STRUCTURAL MASONRY

CHECK IF REQD	VERIFICATION AND INSPECTION	CONTINUOUS	PERIODIC
☒	1. Compliance with required inspection provisions of the construction documents and the approved submittals shall be verified.	---	X
☐	2. Verification of f'm and f'AAC prior to construction except where specifically exempted by the code.	---	X
☒	3. Verification of slump flow and VSI as delivered to the site for self-consolidating grout.	X	---
	4. As masonry construction begins, the following shall be verified to ensure compliance:		
☐	a. Proportions of site-prepared mortar.	---	X
☐	b. Construction of mortar joints.	---	X
☒	c. Location of reinforcement, connectors, and anchorages.	---	X
	5. During construction the inspection program shall verify:		
☐	a. Size and location of structural elements.	---	X
☒	b. Type, size, and location of anchors, including other details of anchorage of masonry to structural members, frames or other construction.	---	X
☒	c. Specified size, grade, and type of reinforcement.	---	X
☐	d. Welding of reinforcing bars.	X	---
☐	e. Preparation, construction, and protection of masonry during cold weather (temperature below 40°F) or hot weather (temperature above 90°F).	---	X
	6. Prior to grouting, the following shall be verified to ensure compliance:		
☒	a. Grout space is clean.	---	X
☒	b. Placement of reinforcement, connectors, and anchorages.	---	X
☒	c. Proportions of site-prepared grout.	---	X
☐	d. Construction of mortar joints.	---	X
☒	7. Grout placement shall be verified to ensure compliance.	X	---
☒	8. Preparation of any required grout specimens, mortar specimens and/or prisms shall be observed.	X	---

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REVISIONS

Job Number:	**3044**
Drawn By:	**AN**
Checked By:	**AM**
Phase:	**LOBBY AND ADA DOCUMENTS**

Drawing Title:

STATEMENT OF SPECIAL INSPECTIONS

SHEET NUMBER:

S-002

DATE: APRIL 18, 2017