Statement of Special Inspections

Statement of Special Inspections

Statement Date: 09/10/2019
Project Name: Take 5 Oil
Building Permit Number:
Project Address: 11909 MLK JR BLVD SEFFNER, FL
Owner:
Architect of Record: William Robinson, AIA
Structural Engineer of Record: L. Dean Arp, Jr. P.E.
(Design Professional in Responsible Charge (DPIRC))

The following information is being submitted in accordance with the Special Inspection provisions of the Florida State Building Code (2015 IBC). Attached is the Schedule of Special Inspections (SSI) required for this project. This completed form is required to be placed on the drawings for plan review. After permit issuance, a listing of the Special Inspection Firms (SIF) and the Designated Special Inspectors (DSI) for each inspection type will be attached to this form and turned in to the Building Inspector prior to scheduling the Pre-Construction Meeting with The County Code Enforcement. No work is permitted to be performed prior to the Special Inspections Pre-Construction Meeting

This and all supsequent reports, logs, testing results, and other related SI documents shall be turned in to the building inspections office within 10 business days of the even documented. Only documents that are prepared by Authorized Special Inspectors (ASI), and signed/sealed by Designated Special Inspectors (DSI) are valid and are permitted to be turned in to the building inspections office. The DSI will notify the Department upon the discovery of information that would controvert the result of any information reported and update said information within 10 days.

The DSI is responsible for verifying all information on each document prior to signing/sealing and turning it in. The DSI is responsible for verifying each document that is reported to the inspection office is the correct document.

The DSI is responsible for correcting any documents that have incorrect attributes or contain errors, and resubmitting the correct information or document to the inspection office. The DSI is responsible for verifying all ASI's maintain current certifications during the course of the project, as failure to maintain current certifications may result in a voided document. At the conclusion of each individual Special Inspection Item, the DSI will complete a Final Report and turn it in to the DPIRC and the Building Inspector. The DPIRC is responsible for completing the DPIRC Letter at the conclusion of all Special Inspections.

The Special Inspection program outlined herein, does not relieve the Contractor or any other entity of any contractual duties, including quality control, quality assurance, or safety. The contractor is solely responsible for construction means, methods, and job site safety. Failure to adhere to the SI program as outlined herein, may result in a stop work notice being issued by the Department.

Signature

Respectfully submittes,
The Design Professional in Responsible Charge,
A. Structural Engineer, Florida License #56632

L. Dean Arp, Jr. P.E. 09/10/2019
Date

L. DEAN ARP, JR. LICENSE No.56632 STATE OF FLORIDA PROFESSIONAL ENGINEER
Licensed Professional Seal
09/10/19

Owner Authorization

Schedule of Special Inspection Services

Project Name: Take 5 Oil MLK JR BLVD SEFFNER, FL
Date: 09/10/2019
Revised Date:
Building Permit Number:
Project Address: 11909 MLK JR BLVD SEFFNER, FL

Instructions for completing the Schedule of Special Inspections Form:
1. Indicate the Inspection Type (IT #) required for this project per IBC Section 1704.
2. Indicate whether Special Inspections are continuous, periodic or both, by checking the appropriate box.
3. Insure the scope meets IBC Section 1704 and other applicable standards for each Inspection Type.

The construction divisions which require inspections for this project are as follows:

IT-1 Verification of Soils

Check if Required	Inspection Task (Standard & Code Reference)	Continuous Inspections	Periodic Inspections	Special Inspections Firm	Notes & Scope
■	Verification of Soils IBC 1704.7 & Chapter 18	□	■	TBD	Site prepared per soils report Verify soil bearing pressure.
□		□	□	--	
□		□	□	--	

IT-2 Excavation and Filling

Check if Required	Inspection Task (Standard & Code Reference)	Continuous Inspections	Periodic Inspections	Special Inspections Firm	Notes & Scope
■	Excavation & Filling IBC 1704.7 and 3304	□	■	TBD	
□		□	□	--	

IT-3 Piling and Drilled Piers

Check if Required	Inspection Task (Standard & Code Reference)	Continuous Inspections	Periodic Inspections	Special Inspections Firm	Notes & Scope
□	Piling and Drilled Piers IBC 1704.8-9. 1802.2.4 and 1807-11	□	□	--	
□		□	□	--	

IT-4 Modular Retaining Walls

Check if Required	Inspection Task (Standard & Code Reference)	Continuous Inspections	Periodic Inspections	Special Inspections Firm	Notes & Scope
□	Modular Retaining Walls IBC 1610 and 1704.13	□	□	--	
□		□	□	--	
□		□	□	--	

IT-5 Reinforced Concrete

Check if Required	Inspection Task (Standard & Code Reference)	Continuous Inspections	Periodic Inspections	Special Inspections Firm	Notes & Scope
■	Inspection of reinforcing steel, including pretesting tendons, and placements. ACI 318:3.5, 7.1-7.7 1903.5, 1907.1, 1907.7, 1914.4	□	■	--	
□	Inspection of reinforcing steel welding in accordance with Table 1704.3, Item 5B. AWS D1.4, ACU 318:3.5.2, 1903.5.2	□	□	--	
■	Inspect bolts to be installed in concrete prior to and during placement of concrete where allowable loads have been increased. 1912.5	□	■	--	
■	Verify use of required design mix. ACI 318: Ch. 4, 5.2-5.4, 1904, 1905.2, 1905.4, 1914.2, 1914.3	□	■	TBD	
■	Sampling fresh concrete and performing slump, air content and determining the temperature of fresh concrete at the time of making specimens for strength tests. ASTM C 172, ASTM C 31, ACI 318: 5.6,5.8, 1905.6, 1914.10	□	■	TBD	
□	Inspection of concrete and shotcrete placement for proper application techniques. ACI 318: 5.9, 5.10, 1905.9, 1905.10, 1914.6, 1914.7, 1914.8	□	□	--	
■	Inspection for maintenance of specified curing temperature and techniques. ACI 318: 5.11, 5.13, 1905.11, 1905.13, 1914.9	□	■	TBD	
□	Inspection of prestressed concrete: (A) Application of prestressing forces. (B) Grouting of bonded prestressing tendons in the seismic-force-resisting system. ACI 318: 18.18, ACI 318: 18.16.4	□	□	--	
□	Erection of precast concrete members ACI 318: Ch. 16	□	□	--	
□	Verification of in-situ concrete strength, prior to stressing of tendons in positioned concrete, add prior to removal of shores and forms from beams and structural slabs. ACI 318: 6.2, 1906.2	□	□	--	
□		□	□	--	
□		□	□	--	

IT-6 Post Tension Slab-on-Ground & Post Tension Concrete

Check if Required	Inspection Task (Standard & Code Reference)	Continuous Inspections	Periodic Inspections	Special Inspections Firm	Notes & Scope
□	All prestressed concrete design in construction to be in accordance with ACI 318.99, IBC 1704.4 Item 10	□	□	--	
□		□	□	--	
□		□	□	--	

IT-7 Precast Concrete Erection

Check if Required	Inspection Task (Standard & Code Reference)	Continuous Inspections	Periodic Inspections	Special Inspections Firm	Notes & Scope
□	Precast Concrete Erection, IBC Table 1704.4, Item 9	□	□	--	
□	Precast concrete fabricated in a plant, which is certified. IBC 1704.2	□	□	--	
□		□	□	--	
□		□	□	--	

IT-8 Prestressed Concrete

Check if Required	Inspection Task (Standard & Code Reference)	Continuous Inspections	Periodic Inspections	Special Inspections Firm	Notes & Scope
□	All prestressed concrete design and construction to be in accordance with ACI 318.99 (IBC)	□	□	--	
□		□	□	--	
□		□	□	--	

IT-9 Inspection of Pre-Cast Concrete Fabricators

Check if Required	Inspection Task (Standard & Code Reference)	Continuous Inspections	Periodic Inspections	Special Inspections Firm	Notes & Scope
□	Inspection of fabricators to be in accordance with the requirements set forth in the IBC Sec. 1704.2	□	□	--	
□		□	□	--	
□		□	□	--	

IT-10 Inspection of Structural Steel Fabricators

Check if Required	Inspection Task (Standard & Code Reference)	Continuous Inspections	Periodic Inspections	Special Inspections Firm	Notes & Scope
□	Welding inspections shall be in compliance with AWSD 1.1 (IBC)	□	□	--	
□		□	□	--	
□		□	□	--	

IT-11 Structural Masonry

Check if Required	Inspection Task (Standard & Code Reference)	Continuous Inspections	Periodic Inspections	Special Inspections Firm	Notes & Scope
■	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. Art. 2.6A, Art. 3.3B, Art. 3.4	□	■	--	
■	The inspection program shall verify: (A) Size & location of structural elements. (B) Type, size, & location of anchors, including other details of of anchorage of masonry to structural members, frames or other construction (C) Specified size, grade & type of reinforcement. (D)Welding of reinforcing bars. (E) Protection of masonry during cold weather (temperature below 40^F) or hot weather (temperature above 90^F).Section 2108.9.2.11, Item 2, Sec. 2104.3, 2104.4, ACI Sec. 1.15.4, 2.1.2, Sec. 1.12, Sec. 2.1.8.6, 2.1.8.6.2, ACI 3.3G, Art. 2.4, 3.4, Art.1.8	□	■	--	
■	Prior to grouting, the following shal be verified to ensure compliance: (A) Grout space is clean. (B) Placement of reinforcement and connectors. (C) Proportions of site-prepared grout. (D) Construction of mortar joints. Sec 1.12, Art. 3.2D, Art. 3.4, Art 2.6B, Art 3.3B	□	■	--	
■	Grout placement shall be verified to ensure compliance with code and construction provisions. Art. 3.5	□	■	--	
■	Preparation of any required group specimens, mortar specimens and/or prisms shall be observed. Sec. 2105.3, 2105.5, Art 1.4	□	■	--	
■	Compliance with required inspection provisions of the construction documents and the approved submittals shall be verified. Art. 1.5	□	■	--	
□		□	□	--	
□		□	□	--	

IT-12 Welding

Check if Required	Inspection Task (Standard & Code Reference)	Continuous Inspections	Periodic Inspections	Special Inspections Firm	Notes & Scope
□	Welding inspections shall be in compliance with AWSD 1.1. The base for welding for qualifications shall be AWSD1.1. (IBC)	□	□	--	
□		□	□	--	
□		□	□	--	

IT-13 High-Strength Bolting and Steel Frame Inspection

Check if Required	Inspection Task (Standard & Code Reference)	Continuous Inspections	Periodic Inspections	Special Inspections Firm	Notes & Scope
□	Installation of high strength bolts shall be inspected in accordance with AISC specifications (ASTM A 325 or ASTM A 490) Bolts must be in accordance with AISC ASD or AISC LRFD	□	□	--	
□	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 req. ASTM, AISC ASD, Sec. A3.3	□	□	--	
□	Inspection of high-strength bolting: Bearing type connections. AISC LRFD Sec. M2.5, 1704.3.3	□	□	--	
□	Inspection of high-strength bolting: Slip-critical connections. AISC LRFD Sec. M2.5, 1704.3.3	□	□	--	
□	Material verification of structural steel: (A) Identification markings to conform to ASTM standards specified in the approved construction documents. (B) Manufacturer's certified mill test reports. ASTM A 6 or ASTM A 568, 1708.4	□	□	--	
□	Material verification of weld fillers: (A) Identification markings to conform to AWS specifications in the approved construction documents. (B) Manufacturer's certificate of compliance required. AISC, ASD, Sec. A3.6, AISC LRFD, Sec. A3.5	□	□	--	
□	Inspection of welding: (A) Structural Steel. (1) Complete & partial penetration groove welds. (2) Multi-pass fillet welds. (3) Single pass fillet welds. >5/16 (8 mm). (4) Floor & deck welds. (B) Reinforcing Steel. (1) Verification of weldability of reinforcing steel other than ASTM A 706. (2) Reinforcing steel-resisting flexural & axial forces in intermediate & special moment frames, and boundary elements of special reinforced concrete shear walls, and shear reinforcement. (3) Shear reinforcement. (4) Other reinforcing steel. AWS D1.1, AWS D1.3, AWS D1.4, ACI 318: 3.5.2, 1704.3.1, 1903.5.2	□	□	--	
□	Inspection of steel frame joint details for compliance with approved construction documents: (A) Details such as bracing and stiffening. (B) Member locations. (C) Application of joint details at each connection. 1704.3.2	□	□	--	

IT-14 Sprayed Fire Resistant Materials

Check if Required	Inspection Task (Standard & Code Reference)	Continuous Inspections	Periodic Inspections	Special Inspections Firm	Notes & Scope
□	Spray-applied fire resistant materials, IBC 1704.11	□	□	--	
□		□	□	--	

IT-15 Exterior Insulation and Finish System (EIFS)

Check if Required	Inspection Task (Standard & Code Reference)	Continuous Inspections	Periodic Inspections	Special Inspections Firm	Notes & Scope
■	EIFS, IBC 1704.5	□	□	--	

IT-16 Seismic Resistance

Check if Required	Inspection Task (Standard & Code Reference)	Continuous Inspections	Periodic Inspections	Special Inspections Firm	Notes & Scope
□	A quality assurance plan with seismic requirements shall be provided in accordance with Section 1705	□	□	--	
□	Architecural components Section 1621.2.1	□	□	--	
□	Mechanical & electrical components, Section 1707.7	□	□	--	

IT-17 Smoke Control

Check if Required	Inspection Task (Standard & Code Reference)	Continuous Inspections	Periodic Inspections	Special Inspections Firm	Notes & Scope
□	Inspection of smoke control, IBC 1704.14.2	□	□	--	
□		□	□	--	

IT-18 Detention Basin

Check if Required	Inspection Task (Standard & Code Reference)	Continuous Inspections	Periodic Inspections	Special Inspections Firm	Notes & Scope
□	Detention basin, IBC 1704.13	□	□	--	
□		□	□	--	

IT-19 Special Cases

Check if Required	Inspection Task (Standard & Code Reference)	Continuous Inspections	Periodic Inspections	Special Inspections Firm	Notes & Scope
□		□	□	--	
□		□	□	--	

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SEALS

L. DEAN ARP, JR. LICENSE No.56632 STATE OF FLORIDA PROFESSIONAL ENGINEER 9/10/19

REVISIONS

REV.	DESCRIPTION

DATE
6-07-2019
AEI #19082

SHEET NAME
STATEMENT OF SPECIAL INSPECTIONS

SHEET NUMBER
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Si

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