Sheet Template ID: CPE-F-07-B

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MECKLENBURG COUNTY

CodeEnforcement

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Statement of Special Inspections

Statement Date: 03/04/2020

Project Name: Hyundai of South Charlotte

Building Permit Number:

Project Address: 10518 Cadillac Street, Pineville, NC

Registered Design Professional in Responsible Charge (RDPIRC): Tom Smiley, P.E.

The following information is being submitted in accordance with the special inspection provisions of the North Carolina State Building Code. Attached is the Schedule of Special Inspections (SOI) required for this project.

This completed form is required to be attached to the drawings for plan review. After permit issuance, a listing of the Special Inspection Firms (SIF) and the Structural Special Inspectors (SSI) for each inspection type will be attached to this form and uploaded to www.meck-si.com prior to scheduling the Pre-Construction Meeting with Mecklenburg County Code Enforcement. This meeting is permitted to be performed prior to the Special Inspections Pre-Construction Meeting and can be conducted earlier in the process.

This and all subsequent reports, logs, testing results, and other related SI documentation shall be uploaded in the attach-a-doc section within 10 business days of the work documented. Only documentation that was prepared by Authorized Special Inspectors (ASI), and signed and/or by Designated Special Inspectors (DSI) are valid and will be accepted to be uploaded to the mecklenburg website. The ASI is to notify the Department upon the discovery of information that would constitute the issuance of any substantive permit or work-site stop, and submit said information within 10 days.

The DSI is responsible for verifying all information on each observation prior to signing/sealing and uploading it. The SFSI is responsible for verifying each observation that is uploaded and stored on the mecklenburg website. If the contract documents and SI is amended with the contract attributes that change in the duration or work elsewhere. The DSI is responsible for delivering any observations that have incorrect attributes or contain errors, and reloading the correct information or document new records. If not. The DSI is responsible for notifying all ASI, maintain current certification during the life of the project, as stated in insurance carrier notifications when there is a revised document. At the conclusion of each individual special inspection type, the DSI will complete a Final Report and upload it to the mecklenburg website. The RDPIRC is responsible for reviewing SI/RDPIRC letter at the conclusion of all Special Inspections.

The Special Inspection program outlined herein does not afford 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, and as noted on plans, can result in a stop-work notice issued by the Department.

Respectfully submitted,
The Registered Design Professional in Responsible Charge,

Tom Smiley, P.E.
Type or Print Name

Signature — 03/04/2020 Date

NORTH CAROLINA PROFESSIONAL SEAL 018314 ENGINEER TOM W. SMILEY

Licensed Professional Seal

PEOPLE :: PRIDE :: PROGRESS :: PARTNERSHIPS
2145 Suttle Ave. :: Charlotte, North Carolina 28208 :: 980.314.CODE (2633)
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Schedule of Special Inspections

Code Enforcement Project No: 4065762	Permit No:
Project Name: Hyundai of South Charlotte	Owner:
Project Address: 10518 Cadillac Street, Pineville, NC	Date: 03/04/2020
RDPIRC: Tom Smiley, P.E.	
SI FIRM:	

Instructions for completing the Schedule of Special Inspections Form

1. Indicate the Inspection Type (IT-#) required for this project per NCBC sections 1704 and 1705.
2. Indicate whether Special Inspections are Continuous (C), Periodic (P) or both by checking the appropriate box.
3. Insure the scope meets NCBC section 1704 and 1705 as well as other applicable standards for each Inspection Type.

Note: *This form and the Statement of Special Inspections must be included on a plan sheet as part of the plan submittal for this project.*

The following Special Inspections are required for this project: *(Add continuous, Paperwork)*

IT-1 SPECIAL CASES (Refer to NCBC Section 1705.1.1)

Check if required	Inspection Task	C	P	Standard	Notes / Comments
☐	Construction materials and systems that are alternates to those listed and not those prescribed by the 2018 NCBC	☐	☐	NCBC 1705.1.1. #1	
☐	Structural design applications of materials described in the 2018 NCBC	☐	☐	NCBC 1705.1.1. #2	
☐	Materials and systems required to be installed in accordance with additional manufacturer's instructions that prescribe requirements not contained in this code or its standards referenced by this code	☐	☐	NCBC 1705.1.1. #3	
☐	Special Events (as decided / required by Code Enforcement)	☐	☐	Per Mecklenburg County Policy	
☐	Retaining Walls	☐	☐		

IT-2 STEEL CONSTRUCTION (Refer to Section 1705.2 and the Exception: Table 1705.2.3)

Check if required	Inspection Task	C	P	Standard	Notes / Comments
☐	Structural Steel	☐	☒	AISC 360	NCBC 1705.2.1 & Exception
☒	Cold-formed Steel Deck	☐	☒	SDI QA/QC	NCBC 1705.2.2
☒	Open-web Steel Joists and Joist Girders	☐	☒		NCBC 1705.2.3 & Table
☐	1. Installation of open-web steel joists and joist girders	☐	☒		
☒	A. End connections – welding or bolted	☐	☒	SJI specifications listed in Section 2207.1	
☐	B. Bridging – horizontal or diagonal	☐	☐		
☒	1. Standard bridging	☐	☒	SJI specifications listed in Section 2209.1	
☐	2. Bridging that differs from the SJI specifications listed in Section 2207.1	☐	☐		
☐	Cold-formed steel trusses spanning 60 feet or greater	☐	☐		NCBC 1705.2.4

IT-3 CONCRETE CONSTRUCTION (Refer to NCBC Section & Table 1705.3 Ch. 19)

Check if required	Inspection Task	C	P	Standard	Notes / Comments
☒	1. Inspect reinforcement, including pre-stressing tendons and verify placement	☐	☒	ACI 318 Ch 20, 25.2, 25.3, 25.6 1 – 26.7.2; & NCBC 1908.4	All reinforcement inspected prior to pouring concrete
☐	2. Reinforcing welding:				
☐	a. Verify weldability of reinforcing bars other than ASTM A706;	☐	☐	AWS D1.4; ACI 318 Ch 6.4	
☐	b. Inspect single-pass fillet welds, maximum 5/16"; and	☐	☐		
☐	c. Inspect all other welds	☐	☐		
☒	3. Inspect anchors cast in concrete	☐	☒	ACI 318: 17.8.2	
☒	4. Inspect anchors post-installed in hardened concrete members				
☐	a. Adhesive anchors installed in horizontally or upwardly inclined orientations to resist sustained tension loads	☒	☐	ACI 318: 17.8.2.4	Only where E.O.R. permits a mixdesign anchor built in the foundation
☐	b. Mechanical anchors and adhesive anchors not defined in 4.a.	☐	☐	ACI 318: 17.8.2	
☐	5. Verify use of required design mix.	☐	☒	ACI 318: Ch 19, 26.4.3, 26.4.4, NCRC 1904.1, 1904.2, 1905.2, 1905.3	Prior to placing concrete
☒	6. Prior to concrete placement, fabricate specimens for strength tests, perform slump and air content tests, and determine the temperature of the concrete	☐	x	ASTM C 172; ASTM C 31; ACI 318: 26.4.2.2	See quality assurance plans/ specs
☒	7. Inspect concrete and masonry placement for proper application techniques	☐	x	ACI 318: 26.5; NCBC 1908.6, 1908.7	During concrete placement of structural concrete
☒	8. Verify maintenance of specified curing temperature and techniques	☐	☐	ACI 318: 26.5.3-26.5.5 NCBC 1908.9	After concrete placement
☐	9. Inspect of pre-stressed concrete for:				
☐	a. Application of pre-stressing forces; and	☐	☐	ACI 318: 26.10	
☐	b. Grouting of bonded pre-stressing tendons	☐	☐		
☐	10. Inspect erection of precast concrete members	☐	☐	ACI 318: Ch. 26.8	
☐	11. Verify 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	☐	☐	ACI 318: 26.11.2	
☐	12. Inspect formwork for shape, location and dimensions of the concrete members being formed	☐	☐	ACI 318: 26.11.1.2(b)	

IT-4 MASONRY (Refer to to NCBC Section 1705.4)

Check if required	Inspection Task	C	P	Standard	Notes / Comments
☒	Masonry Construction	☐	☒	TMS 402/ ACI 530/ ASCE 5 and TMS 602/ACI 530.1/ASCE 6	See NCBC 1704.4 Exceptions
☐	Empirically designed masonry (per 2109), glass unit masonry (per 2110) or masonry veneer (per Ch 14) in Risk Category IV	☐	☐	TMS 402/ ACI 530/ ASCE 5, Level B Quality Assurance	

IT-5 WOOD (Refer to to NCBC Section 1705.5)

Check if required	Inspection Task	C	P	Standard	Notes / Comments
☐	Prefabricated wood structural elements and assemblies to be in accordance with	☐	☐	NCBC 1704.2.5	

IT-6 SOILS (Refer to NCBC Table 1705.6 & Section 1705.6)

Check if required	Inspection Task	C	P	Standard	Notes / Comments
☒	1. Verify material below shallow foundation are adequate to achieve the design bearing capacity	☐	☒	NCBC 1705.6; geotechnical report & construction documents from RDPIRC	See NCBC 1705.6 exception
☒	2. Verify excavations are extended to proper depth and have reached proper material	x	☐	NCBC 1705.6; geotechnical report & construction documents from RDPIRC	During placement & compaction of fill
☐	3. Perform classification and testing of compacted fill materials		☐	NCBC 1705.6; geotechnical report & construction documents from RDPIRC	
☐	4. Verify use of proper materials, densities and fill thicknesses during placement and compaction of compacted fill	☐	x	NCBC 1705.6; geotechnical report & construction documents from RDPIRC	See geotechnical engineers report
☒	5. Prior to placement of compacted fill, inspect subgrade and verify that site has been prepared properly	☒	☐	NCBC 1705.6; geotechnical report & construction documents from RDPIRC	Prior to placing soils of each stratum

IT-7 DRIVEN DEEP FOUNDATIONS (Refer to NCBC Section 1705.7)

Check if required	Inspection Task	C	P	Standard	Notes / Comments
☐	Verify materials sizes and lengths comply with the requirements		☐	NCBC 1706.7 geotechnical report & construction documents from RDPIRC	

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NORTH CAROLINA PROFESSIONAL SEAL 018314 ENGINEER TOM W. SMILEY
Seals 03/04/2020

Revisions:

Number	Date	Description

Project Title:
HYUNDAI
SOUTH CHARLOTTE

10518 CADILLAC STREET
PINEVILLE, NC 28134

Project No: 2538.00

Drawing Title:
STATEMENT & SCHEDULE OF SPECIAL INSPECTIONS

SET ISSUE DATE
▶ MARCH 4, 2020 ◀
100% CD

Sheet
S3.03