

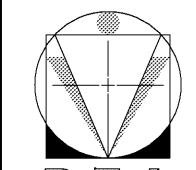
Order Plans

SPECIAL INSPECTION	FREQUENCY	REFERENCED STANDARD
<b>SOILS:</b>		
1. Verify materials below footings are adequate to achieve the design bearing capacity.	Periodic	Geotechnical Engineer
2. Verify excavations are extended to proper depth and have reached proper material.	Periodic	
3. Perform classification and testing of controlled fill materials.	Periodic	
4. Verify use of proper materials, densities and lift thicknesses during placement and compaction of controlled fill.	Continuous	
5. Prior to placement of controlled fill, observe subgrade and verify that site has been prepared properly.	Periodic	

SPECIAL INSPECTION	FREQUENCY	REFERENCED STANDARD
<b>CONCRETE:</b>		
1. Inspection of reinforcing steel including prestressing tendons and placement.	Periodic	ACI 318: 3.5, 7.1-7.7
2. Inspection of reinforcing steel welding in accordance with table 1704.3, item 5B.		AWS D1.4
a. Verification of weldability of reinforcing steel other than ASTM A 706	Periodic	ACI 318: 3.5.2
b. Shear reinforcement	Continuous	
c. Other reinforcing steel	Periodic	
3. Inspect bolts to be installed in concrete prior to and during placement of concrete where allowable loads have been increased.	Continuous	
4. Inspect epoxy anchors and expansion anchors installed in hardened concrete.	Continuous	Product ICC-ES Report
5. Verifying use of required design mix.	Periodic	ACI 318: ch. 4, 5.2-5.4
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.	Continuous	ASTM C 172 ASTM C 31 ACI 318: 5.6, 5.8
7. Inspection of concrete placement for proper application techniques.	Continuous	ACI 318: Ch. 5.9, 5.10
8. Inspection for maintenance of specified curing temperature and techniques.	Periodic	ACI 318: 5.11-5.13
9. Inspect formwork for shape, location and dimensions of the concrete member being formed.	Periodic	ACI 318

SPECIAL INSPECTION	FREQUENCY	REFERENCED STANDARD
<b>STEEL CONSTRUCTION:</b>		
1. Material verification of high-strength bolts, nuts, and washers:	Periodic	Applicable ASTM material specifications: AISC 360, Section A3.3
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:		AISC 360, Section M2.5
a. Snug Tight Joints	Periodic	
3. Material verification of structural steel:		ASTM A 6 OR ASTM A 568
a. For structural steel, identification markings to conform to AISC 360.		
b. Manufacturer's certified mill test reports.		
4. Material verification of weld filler materials:	Periodic	AISC 360, Section A3.3
a. Identification markings to conform to AWS specification in the approved construction documents.		
b. Manufacturer's certificate of compliance required		
5. Inspection of welding:		AWS D1.1
a. Structural steel		
1) Complete and partial penetration groove welds	Continuous	
2) Single-pass fillet welds less than or equal to 5/16"	Periodic	
6. Inspection of steel frame joint details compliance with approved construction documents:	Periodic	IBC SECTION 1704.3.2
a. Details such as bracing and stiffening		
b. Member locations.		
c. Application of joint details at each connection.		

SPECIAL INSPECTION	FREQUENCY	REFERENCED STANDARD
<b>MASONRY CONSTRUCTION:</b>		
1. Compliance with required inspection provisions of the construction documents and the approved submittals shall be verified.	Periodic	TMS 602/ACI 530.1/ASCE 6 ART. 1.5
2. Verification of $f_m$ and $f_{m,c}$ prior to construction except where specifically exempted from code.	Periodic	TMS 602/ACI 530.1/ASCE 6 ART. 1.4B
3. Verification of slump flow (NSI) as delivered to the site for self-consolidating grout.	Continuous	TMS 602/ACI 530.1/ASCE 6 ART. 1.5B.1.b.3
4. As masonry construction begins, the following shall be verified to ensure compliance:		
a. Proportions of site-prepared mortar.	Periodic	TMS 602/ACI 530.1/ASCE 6 ART. 2.6A, ART. 3.3B, ART. 3.4, 3.6A,
b. Construction of mortar joints.	Periodic	
c. Location of reinforcement, connectors,	Periodic	
5. During construction the inspection programs shall verify:		
a. Size and location of structural elements.	Periodic	ACI 530.1/ASCE 6/TMS 602 - ART. 3.3G
b. Type, size and location of anchors, including other details of anchorage of masonry to structural members, frames or other construction.	Periodic	ACI 530/ASCE 5/TMS 402 - SEC. 1.2.2(e), 2.1.4, 3.1.6
c. Specified size, grade and type of reinforcement.	Periodic	ACI 530/ASCE 5/TMS 402 - SEC. 1.13 ACI 530.1/ASCE 6/TMS 602 - ART. 2.4,3.4
d. Welding of reinforcing bars.	Continuous	ACI 530/ASCE 5/TMS 402 - SEC. 2.1.10.7.2, 3.3.34(b)
e. Preparation, construction and protection of masonry during cold weather (temperature below 40 degrees F) or hot weather (temperature above 90 degrees F)	Periodic	IBC SECTION 2104.3, 2104.4 ACI 530.1/ASCE 6/TMS 602 - ART. 1.8C, 1.8D
6. Prior to grouting, the following shall be verified to ensure compliance:		
a. Grout space is clean	Periodic	ACI 530.1/ASCE 6/TMS 602 - ART. 3.2D
b. Placement of reinforcement and anchorages	Periodic	TMS 402/ACI 530/ASCE 5 SECTION 1.13 TMS 602/ACI 530.1/ASCE 6 ART. 3.4
c. Proportions of site-prepared grout	Periodic	TMS 602/ACI 530.1/ASCE 6 ART. 2.6B
d. Construction of mortar joints.	Periodic	TMS 602/ACI 530.1/ASCE 6 ART. 3.3B
7. Grout placement shall be verified to ensure compliance:	Continuous	ACI 530.1/ASCE 6/TMS 602 - ART. 3.5
8. Preparation of any required grout specimens, mortar specimens and/or prisms shall be observed.	Continuous	IBC SECTION 2105.2.2, 2105.3 TMS 602/ACI 530.1/ASCE 6 ART. 1.4



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No.	Description	Date
▲	ISSUED FOR PERMIT AND BID	03/29/19
▲	ISSUED FOR BID	05/30/19
▲	RE-ISSUED FOR PERMIT AND BID	10/16/20

STRUCTURAL ENGINEER  
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**ANCHOR 2B  
AND RETAIL 2C**

1454 AND 1460  
OLD SALEM ROAD  
CONYERS, GEORGIA

SPECIAL INSPECTIONS

Date: 03/29/19	Drawn by: C.B.	Sheet No.:
Project No.: 20182028.0	Scale: M.H.	S1.2 (2)