SCHEDULE OF SPECIAL INSPECTION SERVICES

MATERIAL / ACTIVITY	SERVICE	APPLICABLE TO THIS PROJECT Y/N	EXTENT	AGENT*	DATE COMPLETED
1704.2.5 Inspection of Fabricators					
Verify fabrication/quality control procedures	In-plant review (3)	Y	Periodic	TA	
1705.1.1 Special Cases (work unusual in nature, including but not limited to alternative materials and systems, unusual design applications, materials and systems with special manufacturer's requirements)	Submittal review, shop (3) and/or field inspection	Y	Periodic	EOR / TA	
1705.2 Steel Construction					
1. Fabricator and erector documents (Verify reports and certificates as listed in AISC 360, chapter N, paragraph 3.2 for compliance with construction documents)	Submittal Review	Y	Each submittal	EOR	
2. Material verification of structural steel	Shop (3) and field inspection	Y	Periodic	TA	
3. Embedments (Verify diameter, grade, type, length, embedment. See 1705.3 for anchors)	Field inspection	Y	Periodic	TA	
4. Verify member locations, braces, stiffeners, and application of joint details at each connection comply with construction documents	Field inspection	Y	Periodic	TA	
5. Structural steel welding:					
a. Inspection tasks Prior to Welding (Observe, or perform for each welded joint or member, the QA tasks listed in AISC 360, Table N5.4-1)	Shop (3) and field inspection	Y	Observe or Perform as noted (4)	TA	
b. Inspection tasks During Welding (Observe, or perform for each welded joint or member, the QA tasks listed in AISC 360, Table N5.4-2)	Shop (3) and field inspection	Y	Observe (4)	TA	
c. Inspection tasks After Welding (Observe, or perform for each welded joint or member, the QA tasks listed in AISC 360, Table N5.4-3)	Shop (3) and field inspection	Y	Observe or Perform as noted (4)	TA	
d. Nondestructive testing (NDT) of welded joints: *see Commentary*					
1) Complete penetration groove welds 5/16" or greater in risk category III or IV	Shop (3) or field ultrasonic testing - 100%	N	N/A	N/A	
2) Complete penetration groove welds 5/16" or greater in risk category II	Shop (3) or field ultrasonic testing - 10% of welds minimumShop (3) and field inspection	Y	Periodic	TA	
3) Thermally cut surfaces of access holes when material t > 2"	Shop (3) or field magnetic Partical or Penetrant testing	N	N/A	N/A	
4) Welded joints subject to fatigue when required by AISC 360, Appendix 3, Table A-3.1	Shop (3) or field radiographic or Ultrasonic testing	N	N/A	N/A	
5) Fabricator's NDT reports when fabricator performs NDT	Verify Reports	Y	Periodic	TA	
6. Structural steel bolting:	Shop (3) and field inspection				
a. Inspection tasks Prior to Bolting (Observe, or perform tasks for each bolted connection, in accordance with QA tasks listed in AISC 360, Table N5.6-1)		Y	Observe or Perform as noted (4)	TA	
b.Inspection tasks During Bolting (Observe the QA tasks listed in AISC 360, Table N5.6-2)		Y	Observe or Perform as noted (4)	TA	
1) Pre-tensioned and slip-critical joints		N	N/A	N/A	
a) Turn-of-nut with matching markings		N	N/A	N/A	
b) Direct tension indicator		N	N/A	N/A	
c) Twist-off type tension control bolt		N	N/A	N/A	
d) Turn-of-nut without matching markings		N	N/A	N/A	
e) Calibrated wrench		N	N/A	N/A	
2) Snug-tight joints		Y	Observe (4)		
c. Inspection tasks After Bolting (Perform tasks for each bolted connection in accordance with QA tasks listed in AISC 360, Table N5.6-3)		Y	Perform (4)	TA	
7. Inspection of steel elements of composite construction prior to concrete placement in accordance with QA tasks listed in AISC 360, Table N6.1		Y	Perform (4)	TA	
1705.2.2 Steel Construction Other Than Structural Steel					
1. Material verification of cold-formed steel deck:					
a. Identification markings	Field inspection	Y	Periodic	TA	
b. Manufacturer's certified test reports	Submittal Review	Y	Each submittal	TA	
2. Connection of cold-formed steel deck to supporting structure:	Shop (3) and field inspection				
a. Welding		Y	Periodic	TA	
b. Other fasteners (in accordance with AISC 360.Section N6)					
1) Verify fasteners are in conformance with approved submittal		Y	Periodic	TA	
2) Verify fastener installation is in conformance with approved submittal and manufacturer's recommendations		Y	Periodic	TA	
3. Reinforcing steel	Shop (3) and field inspection				
a. Verification of weldability of steel other than ASTM A706		Y	Periodic	TA	
b. Reinforcing steel resisting flexural and axial forces in intermediate and special moment frames, boundary elements of special concrete structural walls and shear reinforcement		N	Continuous	N/A	
c. Shear reinforcement		Y	Continuous	TA	
d. Other reinforcing steel		Y	Periodic	TA	
4. Cold-formed steel trusses spanning 60 feet or greater		N		N/A	
a. Verify temporary and permanent restraint/bracing are installed in accordance with the approved truss submittal package	Field inspection	N	Periodic	N/A	

MATERIAL / ACTIVITY	SERVICE	APPLICABLE TO THIS PROJECT Y/N	EXTENT	AGENT*	DATE COMPLETED
1705.3 Concrete Construction					
1. Inspection of reinforcing steel installation (see 1705.2.2 for welding)	Shop (3) and field inspection	Y	Periodic	TA	
2. Inspection of prestressing steel installation	Shop (3) and field inspection	N	Periodic	N/A	
3. Inspection of anchors cast in concrete where allowable loads have been increased per section 1908.5 or where strength design is used	Shop (3) and field Inspection	Y	Periodic	TA	
4. Inspection of anchors and reinforcing steel post-installed in hardened concrete: Per research reports including verification of anchor type, anchor dimensions, hole dimensions, hole cleaning procedures, anchor spacing, edge distances, concrete minimum thickness, anchor embedment and tightening torque	Field inspection	Y	Periodic or as required by the research report issued by an approved source	TA	
5. Verify use of approved design mix	Shop (3) and field inspection	Y	Periodic	TA	
6. Fresh concrete sampling, perform slump and air content tests and determine temperature of concrete	Shop (3) and field inspection	Y	Continuous	TA	
7. Inspection of concrete and shotcrete placement for proper application techniques	Shop (3) and field inspection	Y	Continuous	TA	
8. Inspection for maintenance of specified curing temperature and techniques	Shop (3) and field inspection	Y	Periodic	TA	
9. Inspection of prestressed concrete:	Shop (3) and field inspection				
a. Application of prestressing force		N	Continuous	N/A	
b. Grouting of bonded prestressing tendons in the seismic-force-resisting system		N	Continuous	N/A	
10. Erection of precast concrete members					
a. Inspect in accordance with construction documents	Field inspection	N	In accordance with construction documents	N/A	
b. Perform inspections of welding and bolting in accordance with Section 1705.2	Field inspection	N	In accordance with Section 1705.2	N/A	
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	Review field testing and laboratory reports	N	Periodic	N/A	
12. Inspection of formwork for shape, lines, location and dimensions	Field inspection	Y	Periodic	TA	
13. Concrete strength testing and verification of compliance with construction documents	Field testing and review of laboratory reports	Y	Periodic	TA	
1705.4 Masonry Construction					
(A) Level A, B and C Quality Assurance:					
1. Verify compliance with approved submittals	Field inspection	Y	Periodic	TA	
(B) Level B Quality Assurance:					
1. Verification of f'm and f'AAC prior to construction	Testing by unit strength method or prism test method	Y	Periodic	TA	
(C) Level C Quality Assurance:					
1. Verification of f'm and f'AAC prior to construction and for every 5,000 SF during construction	Testing by unit strength method or prism test method	Y	Periodic	TA	
2. Verification of proportions of materials in premixed or preblended mortar, prestressing grout, and grout other than self-consolidating grout, as delivered to the project site	Field inspection	Y	Periodic	TA	
3. Verify placement of masonry units	Field inspection	Y	Periodic	TA	
(D) Levels B and C Quality Assurance:					
1. Verification of Slump Flow and Visual Stability Index (VSI) of self-consolidating grout as delivered to the project	Field testing	Y	Continuous	TA	
2. Verify compliance with approved submittals	Field inspection	Y	Periodic	TA	
3. Verify proportions of site-mixed mortar, grout and prestressing grout for bonded tendons	Field inspection	Y	Periodic	TA	
4. Verify grade, type, and size of reinforcement and anchor bolts, and prestressing tendons and anchorages	Field inspection	Y	Periodic	TA	
5. Verify construction of mortar joints	Field inspection	Y	Periodic	TA	
6. Verify placement of reinforcement, connectors, and prestressing tendons and anchorages	Field inspection	Y	Level B - Periodic	TA	
		N	Level C - Continuous	N/A	
7. Verify grout space prior to grouting	Field inspection	N	Level B - Periodic	N/A	
		Y	Level C - Continuous	TA	
8. Verify placement of grout and prestressing grout for bonded tendons	Field inspection	Y	N/A	N/A	
9. Verify size and location of structural masonry elements	Field inspection	Y	Periodic	TA	
10. Verify type, size, and location of anchors, including details of anchorage of masonry to structural members, frames, or other construction.	Field inspection	Y	Level B - Periodic	TA	
		N	Level C - Continuous	N/A	
11. Verify welding of reinforcement (see 1705.2.2)	Field inspection	Y	Continuous	TA	
12. Verify preparation, construction, and protection of masonry during cold weather (temperature below 40-F) or hot weather (temperature above 90-F)	Field inspection	Y	Periodic	TA	
13. Verify application and measurement of prestressing force	Field inspection	N	Continuous	N/A	
14. Verify placement of AAC masonry units and construction of thin-bed mortar joints (first 5000 SF of AAC masonry)	Field inspection	N	Continuous	N/A	
15. Verify placement of AAC masonry units and construction of thin-bed mortar joints after the first 5000 SF of AAC masonry	Field inspection	N	Level B - Periodic	N/A	
		N	Level C - Continuous	N/A	
16. Verify properties of thin-bed mortar for AAC masonry (first 5000 SF of AAC masonry)	Field inspection	N	Continuous	N/A	
17. Verify properties of thin-bed mortar for AAC masonry after the first 5000 SF of AAC masonry)	Field inspection	N	Level B - Periodic	N/A	
		N	Level C - Continuous	N/A	
18. Prepare grout and mortar specimens	Field testing	Y	Level B - Periodic	TA	
		N	Level C - Continuous	N/A	
19. Observe preparation of prisms	Field inspection	N	Level B - Periodic	N/A	
		Y	Level C - Continuous	TA	

MATERIAL / ACTIVITY	SERVICE	APPLICABLE TO THIS PROJECT Y/N	EXTENT	AGENT*	DATE COMPLETED
1705.5 Wood Construction					
1. Inspection of the fabrication process of wood structural elements and assemblies in accordance with Section 1704.2.5	In-plant review (3)	Y	Periodic	TA	
2. For high-load diaphragms, verify grade and thickness of structural panel sheathing agree with approved building plans	Field inspection	N	Periodic	N/A	
3. For high-load diaphragms, verify nominal size of framing members at adjoining panel edges, nail or staple diameter and length, number of fastener lines, and that spacing between fasteners in each line and at edge margins agree with approved building plans	Field inspection	N	Periodic	N/A	
4. Metal-plate-connected wood trusses spanning 60 feet or greater: verify temporary and permanent restraint/bracing are installed in accordance with the approved truss submittal package	Field inspection	N	Periodic	N/A	
1705.6 Soils					
1. Verify materials below shallow foundations are adequate to achieve the design bearing capacity.	Field inspection	Y	Periodic	TA	
2. Verify excavations are extended to proper depth and have reached proper material.	Field inspection	Y	Periodic	TA	
3. Perform classification and testing of controlled fill materials.	Field inspection	Y	Periodic	TA	
4. Verify use of proper materials, densities, and lift thicknesses during placement and compaction of controlled fill	Field inspection	Y	Continuous	TA	
5. Prior to placement of controlled fill, observe subgrade and verify that site has been prepared properly	Field inspection	Y	Periodic	TA	
1705.7 Driven Deep Foundations					
1. Verify element materials, sizes and lengths comply with requirements	Field inspection	N	Continuous	N/A	
2. Determine capacities of test elements and conduct additional load tests, as required	Field inspection	N	Continuous	N/A	
3. Observe driving operations and maintain complete and accurate records for each element	Field inspection	N	Continuous	N/A	
4. Verify placement locations and plumbness, confirm type and size of hammer, record number of blows per foot of penetration, determine required penetrations to achieve design capacity, record tip and butt elevations and document any damage to foundation element	Field inspection	N	Continuous	N/A	
5. For steel elements, perform additional inspections per Section 1705.2	See Section 1705.2	N	See Section 1705.2	N/A	
6. For concrete elements and concrete-filled elements, perform additional inspections per Section 1705.3	See Section 1705.3	N	See Section 1705.3	N/A	
7. For specialty elements, perform additional inspections as determined by the registered design professional in responsible charge	Field inspection	N	In accordance with construction documents	N/A	
8. Perform additional inspections and tests in accordance with the construction documents	Field Inspection and testing	N	In accordance with construction documents	N/A	
1705.8 Cast-in-Place Deep Foundations					
1.Observe drilling operations and maintain complete and accurate records for each element	Field inspection	N	Continuous	N/A	
2. Verify placement locations and plumbness, confirm element diameters, bell diameters (if applicable), lengths, embedment into bedrock (if applicable) and adequate end bearing strata capacity. Record concrete or grout volumes	Field inspection	N	Continuous	N/A	
3. For concrete elements, perform additional inspections in accordance with Section 1705.3	See Section 1705.3	N	See Section 1705.3	N/A	
4. Perform additional inspections and tests in accordance with the construction documents	Field Inspection and testing	N	In accordance with construction documents	N/A	
1705.9 Helical Pile Foundations					
1. Verify installation equipment, pile dimensions, tip elevations, final depth, final installation torque and other data as required.	Field inspection	N	Continuous	N/A	
2. Perform additional inspections and tests in accordance with the construction documents	Field Inspection and testing	N	In accordance with construction documents	N/A	
1705.10.1 Structural Wood Special Inspections For Wind Resistance					
1. Inspection of field gluing operations of elements of the main windforce-resisting system	Field inspection	N	Continuous	N/A	
2. Inspection of nailing, bolting, anchoring and other fastening of components within the main windforce-resisting system	Shop (3) and field inspection	N	Periodic	N/A	
1705.10.2 Cold-formed Steel Special Inspections For Wind Resistance					
1.Inspection during welding operations of elements of the main windforce-resisting system	Shop (3) and field inspection	N	Periodic	N/A	
2.Inspections for screw attachment, bolting, anchoring and other fastening of components within the main windforce-resisting system	Shop (3) and field inspection	N	Periodic	N/A	
1705.10.3 Wind-resisting Components					
1. Roof cladding	Shop (3) and field inspection	N	Periodic	N/A	
2. Wall cladding	Shop (3) and field inspection	N	Periodic	N/A	
1705.11.1 Structural Steel Special Inspections for Seismic Resistance					
Inspection of structural steel in accordance with AISC 341	Shop (3) and field inspection	N	In accordance with AISC 341	N/A	
1705.11.2 Structural Wood Special Inspections for Seismic Resistance					
1. Inspection of field gluing operations of elements of the seismic-force resisting system	Field inspection	N	Continuous	N/A	
2. Inspection of nailing, bolting, anchoring and other fastening of components within the seismic-force-resisting system	Shop (3) and field inspection	N	Periodic	N/A	

MATERIAL / ACTIVITY	SERVICE	APPLICABLE TO THIS PROJECT Y/N	EXTENT	AGENT*	DATE COMPLETED
1705.11.3 Cold-formed Steel Light-Frame Construction Special Inspections for Seismic Resistance					
1. Inspection during welding operations of elements of the seismic-force-resisting system	Shop (3) and field inspection	N	Periodic	N/A	
2. Inspections for screw attachment, bolting, anchoring and other fastening of components within the seismic-force-resisting system	Shop (3) and field inspection	N	Periodic	N/A	
1705.11.4 Designated Seismic Systems Verification					
Inspect and verify that that the component label, anchorage or mounting conforms to the certificate of compliance in accordance with Section 1705.12.3	Field inspection	N	Periodic	N/A	
1705.11.5 Architectural Components Special Inspections for Seismic Resistance					
1. Inspection during the erection and fastening of exterior cladding and interior and exterior veneer	Field inspection	N	Periodic	N/A	
2. Inspection during the erection and fastening of interior and exterior nonbearing walls	Field inspection	N	Periodic	N/A	
3. Inspection during anchorage of access floors	Field inspection	N	Periodic	N/A	
1705.11.6 Mechanical and Electrical Components Special Inspections for Seismic Resistance					
1. Inspection during the anchorage of electrical equipment for emergency or standby power systems	Field inspection	N	Periodic	TA	
2. Inspection during the anchorage of other electrical equipment	Field inspection	N	Periodic	TA	
3. Inspection during installation and anchorage of piping systems designed to carry hazardous materials and their associated mechanical units	Field inspection	N	Periodic	TA	
4. Inspection during the installation and anchorage of HVAC ductwork that will contain hazardous materials	Field inspection	N	Periodic	N/A	
5. Inspection during the installation and anchorage of isolation systems	Field inspection	N	Periodic	TA	
1705.11.7 Storage Racks Special Inspections for Seismic Resistance					
Inspection during the anchorage of storage racks 8 feet or greater in height	Field inspection	N	Periodic	TA	
1705.11.8 Seismic Isolation Systems		N			
Inspection during the fabrication and installation of isolator units and energy dissipation devices used as part of the seismic isolation system	Shop and field inspection	N	Periodic	N/A	
1705.12.1 Concrete Reinforcement Testing and Qualification for Seismic Resistance					
1. Review certified mill test reports for each shipment of reinforcement used to resist earthquake-induced flexural and axial forces in reinforced concrete special moment frames, special structural walls, and coupling beams connecting special structural walls	Review certified mill test reports	N	Each shipment	N/A	
2. Verify reinforcement weldability of ASTM A615 reinforcement used to resist earthquake-induced flexural and axial forces in reinforced concrete special moment frames, special structural walls, and coupling beams connecting special structural walls	Review test reports	N	Each shipment	N/A	
1705.12.2 Structural Steel Testing and Qualification for Seismic Resistance					
Test in accordance with the quality assurance requirements of AISC 341		N	Per AISC 341	N/A	
1705.12.3 Seismic Certification of Nonstructural Components					
Review certificate of compliance for designated seismic system components.	Certificate of compliance review	N	Each submittal	N/A	
1705.12.4 Seismic Isolation Systems					
Test seismic isolation system in accordance with ASCE 7 Section 17.8	Prototype testing	N	Per ASCE 7	N/A	
1705.13 Sprayed Fire-resistant Materials					
1. Verify surface condition preparation of structural members	Field inspection	Y	Periodic	TA	
2. Verify application of sprayed fire-resistant materials	Field inspection	Y	Periodic	TA	
3. Verify average thickness of sprayed fire-resistant materials applied to structural members	Field inspection	Y	Periodic	TA	
4. Verify density of the sprayed fire-resistant material complies with approved fire-resistant design	Field Inspection and testing	Y	Per IBC Section 1705.13.5	TA	
5. Verify the cohesive/adhesive bond strength of the cured sprayed fire-resistant material	Field Inspection and testing	Y	Per IBC Section 105.13.6	TA	
1705.14 Mastic and Intumescent Fire-Resistant Coatings					
Inspect mastic and intumescent fire-resistant coatings applied to structural elements and decks	Field inspection	N	Periodic	N/A	
1705.15 Exterior Insulation and Finish Systems (EIFS)					
1. Verify materials, details and installations are per the approved construction documents	Field inspection	Y	Periodic	TA	
2. Inspection of water-resistive barrier over sheathing substrate	Field inspection	Y	Periodic	TA	
1705.16 Fire-Resistant Penetrations and Joints					
1. Inspect penetration firestop	Field testing	N	Per ASTM E2174	N/A	
2. Inspect fire-resistant joint systems	Field testing	N	Per ASTM E2174	N/A	
1705.17 Smoke Control Systems					
1. Leakage testing and recording of device locations prior to concealment	Field testing	N	Periodic	N/A	
2. Prior to occupancy and after sufficient completion, pressure difference testing, flow measurements, and detection and control verification	Field testing	N	Periodic	N/A	

* INSPECTION AGENTS	ADDRESS	TELEPHONE NO.
1. FIRM		
2.		
3.		
4.		

NOTES:
1. *The inspection and testing agent(s) shall be engaged by the Owner or 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 Building Official prior to commencing work. The qualifications of the Special Inspector(s) and/or testing agencies may be subject to the approval of the Building Official and/or the Design Professional.*
2. *The list of Special Inspectors may be submitted as a separate document, if noted so above.*
3. *Special Insepctions as required by Section 1704.2.5 are not required where the fabricator is approved in accordance with IBC Section 1704.2.5.2*
4. *Observe on a random basis, operations need not be delayed pending these inspections. Perform these tasks for each welded joint, bolted connection, or steel element.*
5. *NDT of welds completed in an approved fabricator's shop may be performed by that fabricator when approved by the AHJ. Refer to AISC 360, N7.*

Are Requirements for Seismic Resistance included in the Statement of Special Inspections? **YES**
Are Requirements for Wind Resistance included in the Statement of Special Inspections? **NO**

Abbreviations:
TA = Testing Agency
EOR = Engineer of Record
AOR = Architect of Record
N/A = Not Applicable

① SCHEDULE OF SPECIAL INSPECTIONS
N.T.S.

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GEORGIA REGISTERED PROFESSIONAL ENGINEER No. 25834 ALFRED P. MCPETERS 5/7/18

(Facility No. 642-0198)
Dawson County
College and Career Academy
Dawsonville, Georgia
FOR:
Dawson County Schools
Overall Squarefootage = 35,800 SF
IUs = 74 (Existing) + 11 (New) = 85 IUs
FTE = 1625

REVISIONS

SHEET TITLE
SCHEDULE OF SPECIAL INSPECTIONS

DATE
05-07-2018

PROJECT NUMBER
17-303

SHEET NUMBER
S0.2

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