

SCHEDULE OF SPECIAL INSPECTION SERVICES						
PROJECT		FANNIN COUNTY AFTERSCHOOL				
MATERIAL / ACTIVITY	SERVICE	Y/N	APPLICABLE TO THIS PROJECT			
			EXTENT	AGENT*	DATE COMPLETED	
a) Fabricator's NDT reports when fabricator performs NDT	Verify reports	N	Each submittal (5)			
4. Structural stainless steel bolting:	Shop (3) and field inspection	N				
a. Inspection tasks Prior to Bolting (Observe, or perform tasks for each bolted connection, in accordance with QA tasks listed in AISC 370, Table N5.6-1)		N	Observe or Perform as noted (4)			
b. Inspection tasks During Bolting (Observe the QA tasks listed in AISC 370, Table N5.6-2)		N	Observe (4)			
1) Pre-tensioned and slip-critical joints		N				
a) Turn-of-nut with matching markings		N	Periodic			
b) Direct tension indicator		N	Periodic			
c) Twist-off type tension control bolt		N	Periodic			
d) Turn-of-nut without matching markings		N	Continuous			
e) Calibrated wrench		N	Continuous			
2) Snug-tight joints		N	Periodic			
c. Inspection tasks After Bolting (Perform tasks for each bolted connection in accordance with QA tasks listed in AISC 370, Table N5.6-3)		N	Perform (4)			
5. Embedments (Verify diameter, grade, type, length, embedment. See 1705.3 for anchors)	Field inspection	N	Periodic			
6. Verify member locations, braces, stiffeners, and application of joint details at each connection comply with construction documents	Field inspection	N	Periodic			
1705.2.3 Cold-Formed Steel Deck						
1. Manufacturer documents (Verify reports and certificates as listed in SDI QA/QC, Section B, Paragraphs B1 and B2 for compliance with construction documents)	Submittal Review	N	Each submittal			
2. Material verification of steel deck, mechanical fasteners and welding materials:	Shop (3) and field inspection	N	Periodic			
3. Cold-formed steel deck placement:	Shop (3) and field inspection					
a. Inspection tasks Prior to Deck Placement (Perform the QA tasks listed in SDI QA/QC, Appendix 1 Table 1.1)		N	Perform (4)			
b. Inspection tasks After Deck Placement (Perform the QA tasks listed in SDI QA/QC, Appendix 1 Table 1.2)		N	Perform (4)			
4. Cold-formed steel deck welding:	Shop (3) and field inspection	N				
a. Inspection tasks Prior to Welding (Observe the QA tasks listed in SDI QA/QC, Appendix 1 Table 1.3)		N	Observe (4)			
b. Inspection tasks During Welding (Observe the QA tasks listed in SDI QA/QC, Appendix 1 Table 1.4)		N	Observe (4)			
c. Inspection tasks After Welding (Perform the QA tasks listed in SDI QA/QC, Appendix 1 Table 1.5)		N	Perform (4)			
5. Cold-formed steel deck mechanical fastening:	Shop (3) and field inspection	N				
a. Inspection tasks Prior to Mechanical Fastening (Observe the QA tasks listed in SDI QA/QC, Appendix 1 Table 1.6)		N	Observe (4)			
b. Inspection tasks During Mechanical Fastening (Observe the QA tasks listed in SDI QA/QC, Appendix 1 Table 1.7)		N	Observe (4)			
c. Inspection tasks After Mechanical Fastening (Perform the QA tasks listed in SDI QA/QC, Appendix 1 Table 1.8)		N	Perform (4)			
1705.2.6 Metal Building Systems						
Inspections as listed above in 1705.2.1, 1705.2.3, 1705.2.4 and 1705.2.5.						
1. Installation of rafter/beam flange braces and column flange braces.	Field inspection	Y	Periodic			
2. Installation of purlins and girts, including specified lapping.		Y	Periodic			
3. Purlin and girt restraint/bridging/bracing.		Y	Periodic			
4. Installation of X-bracing, tightened to remove any sag.		Y	Periodic			
1705.3 Concrete Construction						
1. Inspection and placement, verification of reinforcing steel and prestressing tendons.	Shop (3) and field inspection	Y	Periodic			
2. Reinforcing bar welding:						
a. Verification of weldability of bars other than ASTM A706.	Shop (3) and field inspection	N	Periodic			
b. Inspect welding of reinforcement for special moment frames, boundary elements of special structural walls and coupling beams.	Shop (3) and field inspection	N	Continuous			
c. Inspect welded reinforcement splices.	Shop (3) and field inspection	N	Continuous			
d. Inspect welding of primary tension reinforcement in corbels.	Shop (3) and field inspection	N	Continuous			
e. Inspection of single-pass fillet welds 5/16 or less in size.	Shop (3) and field inspection	N	Periodic			
f. Inspection of all other welds.	Shop (3) and field inspection	N	Continuous			
3. Inspection of anchors cast in concrete.	Shop (3) and field inspection	Y	Periodic			
4. Inspection of anchors post-installed in hardened concrete members per research reports, or, if no specific requirements are provided, requirements shall be provided by the registered design professional and approved by the building official, 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			

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a. Adhesive anchors installed in horizontally or upwardly-inclined orientation that resist sustained tension loads.		N	Continuous			
b. Mechanical and adhesive anchors not defined in 4a.		Y	Periodic			
5. Verify use of approved design mix	Shop (3) and field inspection	Y	Periodic			
6. a. Prior to placement, fresh concrete sampling, perform slump and air content tests and determine temperature of concrete and perform any other tests as specified in construction documents.	Shop (3) and field inspection	Y	Continuous			
b. Verify that concrete specimens for strength tests are maintained in the required initial curing and laboratory curing environment, and that the maximum and minimum temperatures during the initial curing period are reported.	Shop (3) and field inspection	Y	Continuous			
7. Inspection of concrete and shotcrete placement for proper application techniques	Shop (3) and field inspection	Y	Continuous			
8. Verify maintenance of specified curing temperature and techniques	Shop (3) and field inspection	Y	Periodic			
9. Inspection of prestressed concrete:	Shop (3) and field inspection	N				
a. Application of prestressing force		N	Continuous			
b. Grouting of bonded prestressing tendons		N	Continuous			
10. Inspect erection of precast concrete members	Field inspection	N	Periodic			
11. For precast concrete diaphragm connections or reinforcement at joints classified as moderate or high deformability elements (MDE or HDE) in structures assigned to Seismic Design Category C, D, E, or F, inspect such connections and reinforcement in the field for:	Field inspection	N				
a. Installation of the embedded parts.		N	Continuous			
b. Completion of the continuity of reinforcement across joints.		N	Continuous			
c. Completion of connections in the field.		N	Continuous			
12. Inspect installation tolerances of precast concrete diaphragm connections for compliance with ACI 550.5.	Field inspection	N	Periodic			
13. 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	Review field testing and laboratory reports	N	Periodic			
14. Inspection of formwork for shape, lines, location and dimensions	Field inspection	Y	Periodic			
15. Concrete strength testing and verification of compliance with construction documents	Field testing and review of laboratory reports	Y	Periodic			
<b>1705.6 Soils</b>						
1. Verify materials below shallow foundations are adequate to achieve the design bearing capacity.	Field inspection	Y	Periodic			
2. Verify excavations are extended to proper depth and have reached proper	Field inspection	Y	Periodic			
3. Perform classification and testing of controlled fill materials	Field inspection	Y	Periodic			
4. During fill placement, verify use of proper materials and procedures in accordance with the provisions of the approved geotechnical report. Verify densities and lift thicknesses during placement and compaction of compacted fill.	Field inspection	Y	Continuous			
5. Prior to placement of controlled fill, observe subgrade and verify that site has been prepared properly	Field inspection	Y	Periodic			

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05.11.1 Fabricated Items						
List of fabricated items requiring special inspection during fabrication:	Shop inspection	N	As noted in each applicable shop activity			
List of fabricated items to be fabricated on the premises of a fabricator approved to perform such work without special inspection (including name of approved agency providing periodic auditing):						
Aluminum Canopy	Shop inspection not required where fabricator is approved per IAS	N	As noted in each applicable shop activity			
05.12.2 Cold-formed Steel Special Inspections For Wind Resistance						
Inspection during welding operations of elements of the main windforce-resisting system.	Shop (3) and field inspection	N	Periodic			
Inspection of screw attachment, bolting, anchoring and other fastening of components within the main windforce-resisting system, including shear walls, braces, diaphragms, collectors (drag struts) and hold-downs.	Shop (3) and field inspection	N	Periodic			
05.12.3 Wind-resisting Components						
Roof covering, roof deck and roof framing connections.	Shop (3) and field inspection	N	Periodic			
Exterior wall covering and wall connections to roof and floor diaphragms.	Shop (3) and field inspection	N	Periodic			
05.13.1 Structural Steel Special Inspections for Seismic Resistance						
Seismic force-resisting systems in SDC B, C, D, E, or F.	Shop (3) and field inspection	N	In accordance with AISC 341			
Structural steel elements in SDC B, C, D, E, or F other than those in Item 1, including struts, collectors, chords and foundation elements.	Shop (3) and field inspection	N	In accordance with AISC 341			
05.13.3 Cold-formed Steel Light-Frame Construction Special Inspections for Seismic Resistance						
During welding operations of elements of the seismic-force-resisting system for SDC C, D, E or F.	Shop (3) and field inspection	N	Periodic			
Screw attachment, bolting, anchoring and other fastening of components within the seismic-force-resisting system including shear walls, braces, diaphragms, collectors (drag struts) and hold-downs for SDC C, D, E or F.	Shop (3) and field inspection	N	Periodic			
05.13.4 Designated Seismic Systems Verification						
For SDC C, D, E or F, inspect and verify that that the component label, anchorage or mounting conforms to the certificate of compliance in accordance with ASCE 7, Section 13.2.2.	Field inspection	N	Periodic			
05.13.5 Architectural Components Special Inspections for Seismic Resistance						
For SDC D, E or F, inspection during the erection and fastening of exterior cladding and interior or exterior veneer more than 30 feet above grade or walking surface and weighing more than 5 psf.	Field inspection	N	Periodic			
For SDC D, E or F, inspection during the erection and fastening of interior nonbearing walls more than 30 feet above grade or walking surface and weighing more than 15 psf.	Field inspection	N	Periodic			
For SDC D, E or F, inspection during the erection and fastening of exterior nonbearing walls more than 30 feet above grade or walking surface.	Field inspection	N	Periodic			
For SDC D, E or F, inspection during anchorage of access floors	Field inspection	N	Periodic			
05.13.6 Mechanical and Electrical Components Special Inspections for Seismic Resistance						
Inspection during the anchorage of electrical equipment for emergency or standby power systems in SDC C, D, E or F	Field inspection	N	Periodic			
Inspection during the anchorage of other electrical equipment in SDC E or F	Field inspection	N	Periodic			
Inspection during installation and anchorage of piping systems designed to carry hazardous materials, and their associated mechanical units in SDC C, D, E or F	Field inspection	N	Periodic			
Inspection during the installation and anchorage of HVAC ductwork that will contain hazardous materials SDC C, D, E or F	Field inspection	N	Periodic			
Inspection during the installation and anchorage of vibration isolation systems in SDC C, D, E or F where nominal clearance of 1/4 inch or less is required by the approved construction documents	Field inspection	N	Periodic			
Inspection during installation of mechanical and electrical equipment, including duct work, piping systems and their structural supports, where automatic fire sprinkler systems are installed in structures assigned to SDC C, D, E, or F to verify one of the following unless flexible sprinkler hose fittings are used:						
a. ASCE/SEI 7, Section 13.2.3 minimum required clearances have been provided.	Field inspection	N	Periodic			
b. A three inch or greater nominal clearance has been provided between fire protection sprinkler system drops and sprigs and: structural members not used collectively or independently to support the sprinklers; equipment attached to the building structure; and other systems' piping.	Field inspection	N	Periodic			
05.13.7 Storage Racks Special Inspections for Seismic Resistance						
Inspection during the anchorage of storage racks 8 feet or greater in height in structures assigned to SDC C, D, E or F.	Field inspection	N				
1. Materials used, to verify compliance with one or more of the material test reports in accordance with the approved construction documents.	Field inspection	N	Periodic			

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2. Fabricated storage rack elements.	Field inspection	N	Periodic			
3. Storage rack anchorage installation.	Field inspection	N	Periodic			
4. Completed storage rack system, to indicate compliance with the approved construction documents.	Field inspection	N	Periodic			
1705.13.8 Seismic Isolation Systems						
Inspection during the fabrication and installation of isolator units and energy dissipation devices used as part of the seismic isolation system in structures assigned to SDC B, C, D, E or F.	Shop and field inspection	N	Periodic			
1705.13.9 Cold-formed Steel Special Bolted Moment Frames						
Inspection of installation of cold-formed steel special bolted moment frames in the seismic force-resisting systems in structures assigned to SDC D, E or F.	Field inspection	N	Periodic			
1705.14.1 Structural Steel Testing for Seismic Resistance						
1. Nondestructive testing of structural steel in the seismic force-resisting systems in accordance with AISC 341 in structures assigned to SDC B, C, D, E or F.	Field test	N	Periodic			
2. Nondestructive testing of structural steel elements in the seismic force-resisting systems not covered in Item 1 above including struts, collectors, chords and foundation elements in accordance with AISC 341 in structures assigned to SDC B, C, D, E or F.	Field test	N	Periodic			
1705.14.2 Seismic Certification of Nonstructural Components						
Review certificate of compliance for designated seismic system components in structures assigned to SDC B, C, D, E or F.	Certificate of compliance review	N	Each submittal			
1705.14.3 Seismic Certification of Designated Seismic Systems						
Review certificate of compliance for designated seismic system, subject to the requirements of ASCE 7, Section 13.2.4, as noted on the construction documents, in structures assigned to SDC C, D, E or F.	Certificate of compliance review	N	Each submittal			
1705.14.4 Seismic Isolation Systems						
Test seismic isolation system in accordance with ASCE 7 Section 17.8 in structures assigned to SDC B, C, D, E or F.	Prototype testing	N	Per ASCE 7			
1705.15 Sprayed Fire-resistive Materials						
Special inspection shall be performed during construction with an additional visual inspection after the rough installation of electrical, sprinklers, mechanical and plumbing systems and suspension systems for ceilings, and before concealment where applicable.						
1. Verify surface condition preparation of structural members	Field inspection	N	Periodic			
2. Verify the substrate's minimum ambient temperature before and after application and note the ventilation of the area during and after application as required by the approved manufacturers' written instructions.	Field inspection	N	Periodic			
3. Verify minimum thickness of sprayed fire-resistant materials applied to structural members	Field inspection	N	Periodic			
3. Verify density of the sprayed fire-resistant material complies with approved fire-resistant design	Field inspection and testing	N	Per IBC Section 1705.15.5			
4. Verify the cohesive/adhesive bond strength of the cured sprayed fire-resistant material	Field inspection and testing	N	Per IBC Section 1705.15.6			
6. Condition of finished application	Field inspection	N	Periodic			
1705.16 Intumescent Fire-Resistive Coatings						
Special inspection shall be performed during construction with an additional visual inspection after the rough installation of electrical, sprinklers, mechanical and plumbing systems and suspension systems for ceilings, and before concealment where applicable.						
Inspect and test intumescent fire-resistive materials applied to structural elements and decks per AWCI 12-8	Field inspection	N	Periodic			
1705.17 Exterior Insulation and Finish Systems (EIFS)						
Inspection of water-resistive barrier over sheathing substrate	Field inspection	N	Periodic			
1705.18 Fire-Resistant Penetrations and Joints						
1. Inspect penetration firestop	Field testing	N	Per ASTM E2174			
2. Inspect fire-resistant joint systems	Field testing	N	Per ASTM E2393			
1705.19 Smoke Control Systems						
1. Leakage testing and recording of device locations prior to concealment	Field testing	N	Periodic			
2. Prior to occupancy and after sufficient completion, pressure difference testing, flow measurements, and detection and control verification	Field testing	N	Periodic			
1705.20 Sealing of Mass Timber Construction						
1. Inspect sealants and adhesives to resist passage of air in buildings of Type IV-A, IV-B, and IV-C.	Field testing					
a. At abutting edges and intersections of mass timber building elements required to be fire-resistance rated	Field testing	N	Periodic			
b. At abutting intersections of mass timber building elements and building elements of other materials where both are required to be fire-resistance rated	Field testing	N	Periodic			
* INSPECTION AGENTS						
FIRM		ADDRESS		TELEPHONE NO.		
1. UNITED CONSULTING		625 HOLCOMB BRIDGE RD, NORCROSS, GA		(770) 209-0029		
2. GEOHYDRO ENGINEERS		1000 COBB PL BLVD #290, KENNESAW, GA		(770) 426-7100		
3. TERRACON		2105 NEWPOINT PL #600, LAWRENCEVILLE, GA		(770) 623-0755		
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 Inspections as required by Section 1704.2.5.1 are not required where the fabricator is approved in accordance with IBC Section 1705.11.2.						
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.						
6. After-the-fact inspections. Any area(s) that have been covered without proper inspections shall be immediately brought to the attention of the Design Professional of Record (DPOR) and the Building Official. After-the-fact special inspections, if approved, shall be performed as directed by the DPOR to ensure adequate inspections are performed to meet the design intent.						
Are Requirements for Seismic Resistance Included in the Statement of Special Inspections?				Yes/No		
Are Requirements for Wind Resistance Included in the Statement of Special Inspections?				Yes/No		
DATE:				SEE TITLE BLOCK		