SCHEDULE OF SPECIAL INSPECTION SERVICES

MATERIAL / ACTIVITY	SERVICE	APPLICABLE TO THIS PROJECT Y/N	EXTENT	AGENT*	DATE COMPLETED
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	N	N/A	N/A	
1. Inspection of anchors post-installed in solid grouted masonry: Per research reports including verification of anchor type, anchor dimensions, hole dimensions, hole cleaning procedures, anchor spacing, edge distances, masonry unit, grout, masonry compressive strength, anchor embedment and tightening torque	Field inspection	N	Periodic or as required by the research report issued by an approved source	N/A	
2. Aggregate Pier Inspection: The special inspector's responsibilities include, but are not limited to, review of the aggregate pier designer's use of soil parameters as presented in the project soils report, and during construction, verification of aggregate properties, type and number of lifts of aggregate, hole size and depths and top elevations of the pier elements, and applied energy. Additionally, results of qualitative tests on production aggregate pier elements such as modulus load testing, uplift pull-out testing, bottom stabilization tests and dynamic cone penetration tests, shall be reviewed to verify compliance with design specifications.	Field inspection	N	Periodic or as required by the research report issued by an approved source	N/A	
1705.2.1 Structural Steel Construction					
1. Fabricator and erector documents (Verify reports and certificates as listed in AISC 360, Section N 3.2 for compliance with construction documents)	Submittal Review	Y	Each submittal	T/A	
2. Material verification of structural steel	Shop (3) and field inspection	Y	Periodic	T/A	
3. 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)	T/A	
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 or Perform as noted (4)	T/A	
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)	T/A	
d. Nondestructive testing (NDT) of welded joints:					
1) Complete penetration groove welds 5/16" or greater in risk category III or IV	Shop (3) or field ultrasonic testing - 100%	N	Periodic	N/A	
2) Complete penetration groove welds 5/16" or greater in risk category II	Shop (3) or field ultrasonic testing - 10% of welds minimum	Y	Periodic	TA	
3) 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	Periodic	N/A	
4) Fabricator's NDT reports when fabricator performs NDT	Verify Reports	Y	Each submittal (5)	TA	
4. 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)	T/A	
b. Inspection tasks During Bolting (Observe the QA tasks listed in AISC 360, Table N5.6-2)		Y	Observe (4)	T/A	
1) Pre-tensioned and slip-critical joints					
a) Turn-of-nut with matching markings		N	Periodic	N/A	
b) Direct tension indicator		N	Periodic	N/A	
c) Twist-off type tension control bolt		N	Periodic	N/A	
d) Turn-of-nut without matching markings		N	Continuous	N/A	
e) Calibrated wrench		N	Continuous	N/A	
2) Snug-tight joints		Y	Periodic	TA	
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)	T/A	
5. Visual inspection of exposed cut surfaces of galvanized structural steel main members and exposed corners of the rectangular HSS for cracks subsequent to galvanizing	Shop (3) and field inspection	N	Periodic	N/A	
6. Embedments (Verify diameter, grade, type, length, embedment. See 1705.3 for anchors)	Field inspection	Y	Periodic	T/A	
7. Verify member locations, braces, stiffeners, and application of joint details at each connection comply with construction documents	Field inspection	Y	Periodic	T/A	
1705.2.2 Structural Stainless Steel Construction					
1. Fabricator and erector documents (Verify reports and certificates as listed in AISC 370, Section N 3.2 for compliance with construction documents)	Submittal Review	N	Each submittal	N/A	
2. Material verification of structural stainless steel	Shop (3) and field inspection	N	Periodic	N/A	
3. Structural stainless steel welding:					
a. Inspection tasks Prior to Welding (Observe, or perform for each welded joint or member, the QA tasks listed in AISC 370, Table N5.4-1)	Shop (3) and field inspection	N	Observe or Perform as noted (4)	N/A	
b. Inspection tasks During Welding (Observe, or perform for each welded joint or member, the QA tasks listed in AISC 370, Table N5.4-2)	Shop (3) and field inspection	N	Observe (4)	N/A	
c. Inspection tasks After Welding (Observe, or perform for each welded joint or member, the QA tasks listed in AISC 370, Table N5.4-3)	Shop (3) and field inspection	N	Observe or Perform as noted (4)	N/A	
d. Nondestructive testing (NDT) of welded joints:					
1) Complete penetration groove welds 5/16" or greater in risk category III or IV	Shop (3) and field ultrasonic testing - 100%	N	Periodic	N/A	
2) Complete penetration groove welds 5/16" or greater in risk category II	Shop (3) and field ultrasonic testing - 10% of welds minimum	N	Periodic	N/A	
3) Welded joints subject to fatigue when required by AISC 370, Appendix 3, Table A-3.1	Shop (3) and field radiographic or Ultrasonic testing	N	Periodic	N/A	
4) Fabricator's NDT reports when fabricator performs NDT	Verify reports	N	Each Submittal (5)	N/A	
4. Structural stainless 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 370, Table N5.6-1)		N	Observe or Perform as noted (4)	N/A	
b. Inspection tasks During Bolting (Observe the QA tasks listed in AISC 370, Table N5.6-2)		N	Observe (4)	N/A	
1) Pre-tensioned and slip-critical joints					
a) Turn-of-nut with matching markings		N	Periodic	N/A	
b) Direct tension indicator		N	Periodic	N/A	
c) Twist-off type tension control bolt		N	Periodic	N/A	
d) Turn-of-nut without matching markings		N	Continuous	N/A	
e) Calibrated wrench		N	Continuous	N/A	
2) Snug-tight joints		N	Periodic	N/A	
c. Inspection tasks After Bolting (Perform tasks for each bolted connection in accordance with QA tasks listed in AISC 360, Table N5.6-3)		N	Perform (4)	N/A	
5. Embedments (Verify diameter, grade, type, length, embedment. See 1705.3 for anchors)	Field inspections	N	Periodic	N/A	
6. Verify member locations, braces, stiffeners, and application of joint details at each connection comply with construction documents	Field inspections	N	Periodic	N/A	
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	N/A	
2. Material verification of steel deck, mechanical fasteners and welding materials	Shop (3) and field inspection	N	Periodic	N/A	
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)	N/A	
b. Inspection tasks After Deck Placement (Perform the QA tasks listed in SDI QA/QC, Appendix 1 Table 1.2)		N	Perform (4)	N/A	
4. Cold-formed steel deck welding:	Shop (3) and field inspection				
a. Inspection tasks Prior to Welding (Observe the QA tasks listed in SDI QA/QC, Appendix 1 Table 1.3)		N	Observe (4)	N/A	
b. Inspection tasks During Welding (Observe the QA tasks listed in SDI QA/QC, Appendix 1 Table 1.4)		N	Observe (4)	N/A	
c. Inspection tasks After Welding (Perform the QA tasks listed in SDI QA/QC, Appendix 1 Table 1.5)		N	Perform (4)	N/A	
5. Cold-formed steel deck mechanical fastening:	Shop (3) and field inspection				
a. Inspection tasks Prior to Mechanical Fastening (Observe the QA tasks listed in SDI QA/QC, Appendix 1 Table 1.6)		N	Observe (4)	N/A	
b. Inspection tasks During Mechanical Fastening (Observe the QA tasks listed in SDI QA/QC, Appendix 1 Table 1.7)		N	Observe (4)	N/A	
c. Inspection tasks After Mechanical Fastening (Perform the QA tasks listed in SDI QA/QC, Appendix 1 Table 1.8)		N	Perform (4)	N/A	

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1705.2.4 Open-Web Steel Joists Girders					
1. Installation of open-web steel joists and joist girders.					
a. End connections - welding or bolted.	per SJI CJ or SJI 100	N	Periodic	N/A	
b. Bridging - horizontal or diagonal.					
1) Standard bridging.	per SJI CJ or SJI 100	N	Periodic	N/A	
2) Bridging that differs from the specifications listed in SJI CJ or SJI 100.		N	Periodic	N/A	
1705.2.5 Cold-Formed Steel 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	
1705.2.6 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	TA	
2. Installation of purlins and girts, including specified lapping.		Y	Periodic	TA	
3. Purlin and girt restraint/bridging/bracing.		Y	Periodic	TA	
4. Installation of X-bracing, tightened to remove any sag.		Y	Periodic	TA	
1705.3 Concrete Construction					
1. Inspect reinforcement, including prestressing tendons, and verify placement.	Shop (3) and field inspection	Y	Periodic	TA	
2. Reinforcing bar welding:					
a. Verification of weldability of bars other than ASTM A706.	Shop (3) and field inspection	N	Periodic	N/A	
b. Inspect welding of reinforcement for special moment frames, boundary elements of special structural walls and coupling beams.	Shop (3) and field inspection	Y	Continuous	TA	
c. Inspect welded reinforcement splices.	Shop (3) and field inspection	Y	Continuous	TA	
d. Inspect welding of primary tension reinforcement in corbels.	Shop (3) and field inspection	N	Continuous	N/A	
e. Inspection of single-pass fillet welds 5/16 or less in size.	Shop (3) and field inspection	N	Periodic	N/A	
f. Inspection of all other welds.	Shop (3) and field inspection	N	Continuous	N/A	
3. Inspection of anchors cast in concrete.	Shop (3) and field inspection	Y	Periodic	TA	
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	TA	
a. Adhesive anchors installed in horizontally or upwardly-inclined orientation that resist sustained tension loads.		Y	Continuous	TA	
b. Mechanical and adhesive anchors note defined in 4a.		N	Periodic	N/A	
5. Verify use of approved design mix	Shop (3) and field inspection	Y	Periodic	TA	
6. 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	TA	
7. Inspection of concrete and shotcrete placement for proper application techniques	Shop (3) and field inspection	Y	Continuous	TA	
8. Verify 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		N	Continuous	N/A	
10. Inspect erection of precast concrete members	Field inspection	N	Periodic	N/A	
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				
a. Installation of the embedded parts.		N	Continuous	N/A	
b. Completion of the continuity of reinforcement across joints.		N	Continuous	N/A	
c. Completion of connections in the field.		N	Continuous	N/A	
12. Inspect installation tolerances of precast concrete diaphragm connections for compliance with ACI 550.5.	Field inspection	N	Periodic	N/A	
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	N/A	
14. Inspection of formwork for shape, lines, location and dimensions	Field inspection	Y	Periodic	TA	
15. 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 1, 2 and 3 Quality Assurance:					
1. Prior to construction, verification of compliance of submittals	Submittal Review	N	Prior to Construction	N/A	
(B) Level 2 & 3 Quality Assurance:					
1. Prior to construction verification of f'm and FAAC except where specifically exempted by the code	Testing by unit strength method or prism test method	N	Prior to Construction	N/A	
2. During construction, verification of Slump Flow and Visual Stability Index (VSI) when self-consolidating grout is delivered to project site.	Testing by unit strength method or prism test method	N	Periodic	N/A	
(C) Level 3 Quality Assurance:					
1. During construction, verification of f'm and FAAC for every 5,000 SF	Testing by unit strength method or prism test method	N	Periodic	N/A	
2. During construction, verification of proportions of materials as delivered to the project site for premixed or preblended mortar, prestressing grout, and grout other than self-consolidating grout.	Field inspection	N	Periodic	N/A	
(D) Levels 2 and 3 Quality Assurance:					
1. As masonry construction begins, verify that the following are in compliance:					
a. Proportions of the site-prepared mortar	Field inspection	N	Periodic	N/A	
b. Grade and size of prestressing tendons and anchorages	Field inspection	N	Periodic	N/A	
c. Grade, type, and size of reinforcement, anchor bolts, and prestressing tendons and anchorages	Field inspection	N	Periodic	N/A	
d. Prestressing technique	Field inspection	N	Periodic	N/A	
e. Properties of thin-bed mortar for AAC masonry	Field inspection	N	Level 2 - Continuous(b) Level 2 - Periodic(c)	N/A	
(b) Required for the first 5,000 square feet (c) Required after the first 5,000 square feet	Field inspection	N	Level 3 - Continuous	N/A	
f. Sample panel construction	Field inspection	N	Level 2 - Periodic	N/A	
		N	Level 3 - Continuous	N/A	
2. Prior to grouting, verify that the following are in compliance:					
a. Grout space	Field inspection	N	Level 2 - Periodic	N/A	
		N	Level 3 - Continuous	N/A	
b. Placement of prestressing tendons and anchorages	Field inspection	N	Periodic	N/A	
c. Placement of reinforcement, connectors, and anchor bolts	Field inspection	N	Level 2 - Periodic	N/A	
		N	Level 3 - Continuous	N/A	
d. Proportions of site-prepared grout and prestressing grout for bonded tendons	Field inspection	N	Periodic	N/A	
3. Verify compliance of the following during construction:					
a. Materials and procedures with the approved submittals	Field inspection	N	Periodic	N/A	
b. Placement of masonry units and mortar joint construction	Field inspection	N	Periodic	N/A	
c. Size and location of structural members	Field inspection	N	Periodic	N/A	
d. Type, size, location of anchors, including other details of anchorage of masonry to structural members, frames, or other construction	Field inspection	N	Level 2 - Periodic	N/A	
		N	Level 3 - Continuous	N/A	
e. Welding of reinforcement	Field inspection	N	Continuous	N/A	
f. Preparation, construction, and protection of masonry during cold weather (temperature below 40oF) or hot weather (temperature above 90oF)	Field inspection	N	Periodic	N/A	
g. Application and measurement of prestressing force	Field testing	N	Continuous	N/A	
h. Placement of grout and prestressing grout for bonded tendons is in compliance	Field inspection	N	Continuous	N/A	
i. Placement of AAC masonry units and construction of thin-bed mortar joints	Field inspection	N	Level 2 - Continuous(b) Level 2 - Periodic(c)	N/A	
(b) Required for the first 5,000 square feet (c) Required after the first 5,000 square feet		N	Level 3 - Continuous	N/A	
4. Observe preparation of grout specimens, mortar specimens, and/or prisms	Field inspection	N	Level 2 - Periodic	N/A	
		N	Level 3 - Continuous	N/A	

MATERIAL / ACTIVITY	SERVICE	APPLICABLE TO THIS PROJECT Y/N	EXTENT	AGENT*	DATE COMPLETED
1705.4.1 Glass Unit Masonry and Masonry Veneer in Risk Category IV.					
Inspect and test in accordance with TMS 602 Level 2	Field inspection	N	Periodic	N/A	
1705.5 Wood Construction					
1. For pre-fabricated wood structural elements, inspection of the fabrication process and assemblies in accordance to Section 1704.2.5.	In-plant review (3)	N	Periodic	N/A	
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:					
a. Verification that permanent individual truss member restraint/bracing has been installed in accordance with the approved truss submittal package when the truss height is greater than or equal to 60".	Field inspection	N	Periodic	N/A	
b. For 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. 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	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. Inspect 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 1705.3	N	See Section 1705.3	N/A	
6. For concrete elements and concrete-filled elements, perform tests and 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	
1705.8 Cast-in-Place Deep Foundations					
1.Inspect 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 tests and additional inspections in accordance with Section 1705.3	See Section 1705.3	N	See Section 1705.3	N/A	
1705.9 Helical Pile Foundations					
Verify installation equipment, pile dimensions, tip elevations, final depth, final installation torque and other pertinent installation data as required by construction documents.	Field inspection	N	Continuous	N/A	
1705.11 Fabricated items					
1. List of fabricated items requiring special inspection during fabrication:	Shop inspection	N	As noted in each applicable shop activity	N/A	
2. 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):		N		N/A	
1705.12.1 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, including wood shear walls, wood diaphragms, drag struts, braces and hold-downs.	Shop (3) and field inspection	N	Periodic	N/A	
1705.12.2 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. Inspection of nailing, bolting, anchoring and other fastening of components within the main windforce-resisting system, including wood shear walls, wood diaphragms, drag struts, braces and hold-downs.	Shop (3) and field inspection	N	Periodic	TA	
1705.12.3 Wind-resisting Components		N		N/A	
1. Roof covering, roof deck and roof framing connections.	Shop (3) and field inspection		Periodic		
2. Exterior wall covering and wall connections to roof and floor diaphragms.	Shop (3) and field inspection		Periodic		
1705.13.1 Structural Steel Special Inspections for Seismic Resistance					
1. Seismic force-resisting systems in SDC B, C, D, E, or F.	Shop (3) and field inspection	Y	In accordance with AISC 341	TA	
2. 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	Y	In accordance with AISC 341	TA	
1705.13.2 Structural Wood Special Inspections for Seismic Resistance					
1. Field gluing operations of elements of the seismic-force resisting system for SDC C, D, E or F.	Field inspection	N	Continuous	N/A	
2. Nailing, bolting, anchoring and other fastening of elements of the seismic-force-resisting system including wood shear walls, wood diaphragms, drag struts, braces shear panels and hold-downs for SDC C, D, E or F.	Shop (3) and field inspection	N	Periodic	N/A	
1705.13.3 Cold-formed Steel Light-Frame Construction Special Inspections for Seismic Resistance					
1. 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	N/A	
2. 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	N/A	
1705.13.4 Designated Seismic Systems Verification					
For SDC C, D, E or F, inspect and verify that that the component label, anchorage and mounting conforms to the certificate of compliance in accordance with ASCE 7 Section 13.2.3.	Field inspection	N	Periodic	N/A	
1705.13.5 Architectural Components Special Inspections for Seismic Resistance					
1. 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	N/A	
2. 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	N/A	
3. 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	N/A	
4. For SDC D, E or F, inspection during anchorage of access floors	Field inspection	N	Periodic	N/A	

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1705.13.6 Plumbing, Mechanical and Electrical Components Special Inspections for Seismic Resistance					
1. Inspection during the anchorage of electrical equipment for emergency or standby power systems in SDC C, D, E or F	Field inspection	N	Periodic	N/A	
2. Inspection during the anchorage of other electrical equipment in SDC E or F	Field inspection	N	Periodic	N/A	
3. 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	N/A	
4. Inspection during the installation and anchorage of HVAC ductwork designed to contain hazardous materials in SDC C, D, E or F	Field inspection	N	Periodic	N/A	
5. 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	N/A	
6. 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 13.2.4 minimum required clearances have been provided.	Field inspection	N	Periodic	N/A	
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	N/A	
1705.13.7 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 D, E or F.	Field inspection				
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	N/A	
2. Fabricated storage rack elements.	Field inspection	N	Periodic	N/A	
3. Storage rack anchorage installation.	Field inspection	N	Periodic	N/A	
4. Completed storage rack system, to indicate compliance with the approved construction documents.	Field inspection	N	Periodic	N/A	
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	N/A	
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	N/A	
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	N/A	
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	N/A	
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	N/A	
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	N/A	
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	N/A	
1705.15 Sprayed Fire-resistant 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	N/A	
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	N/A	
3. Verify minimum thickness of sprayed fire-resistant materials applied to structural members	Field inspection	N	Periodic	N/A	
4. 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	N/A	
5. Verify the cohesive/adhesive bond strength of the cured sprayed fire-resistant material	Field inspection and testing	N	Per IBC Section 1705.15.6	N/A	
6. Condition of finished application	Field inspection	N	Periodic	N/A	
1705.16 Intumescent Fire-Resistant 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.					
Inspect and test intumescent fire-resistant materials applied to structural elements and decks per AWCI 12-B	Field inspection and testing	N	Periodic	N/A	
1705.17 Exterior Insulation and Finish Systems (EIFS)					
Inspection of water-resistive barrier over sheating substrate	Field inspection	N	Periodic	N/A	
1705.18 Fire-Resistant Penetrations and Joints					
1. Inspect penetration firestop	Field testing	Y	Per ASTM E2174	TA	
2. Inspect fire-resistant joint systems	Field testing	Y	Per ASTM E2393	TA	
1705.19 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 FIRM	ADDRESS	TELEPHONE NO.
1. TO BE DETERMINED		
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. *Shop Inspections of fabricated items are not required where the fabricator is approved in accordance with IBC Section 1704.2.5.1 and listed in activity 1705.11.2.*
4. *Observe: 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, N6.*
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 Special Inspections for Seismic Resistance included in the Statement of Special Inspections? (Yes) No

Are Special Inspections for Wind Resistance included in the Statement of Special Inspections? (Yes) No

DATE: 04/20/2026

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

Keystone Structural Engineering
Professional Consultants
531 Roselane Street
Suite 150
Marietta, GA 30060
(404) 483 6921

GEORGIA REGISTERED No 030747 PROFESSIONAL ENGINEER BRENDAN F. CROMLEY

Rev. No.	Date	Name

ISSUED FOR CONSTRUCTION

PROJECT

DRYWALL WAREHOUSE HWY 81

ADDRESS

257 Highway 81
Oxford, GA 30054

CLIENT

CSC DESIGN, INC.
ARCHITECTS & ENGINEERS

ADDRESS

135 P. Rickman Industrial Dr.
Suite 100, Canton, GA 30115

SHEET TITLE

SCHEDULE OF SPECIAL INSPECTIONS

Date:
04/20/2026

PROJECT NUMBER
26-149

SHEET NUMBER
S5.1

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