



December 11, 2024

Request For Proposal

Special Inspections

CT Sate DAS #057-0114N

Greenwich Central Middle School RFP # 2497-24

Requested By:

JONES LANG LASALLE
ONE STATION PLACE, SUITE 103
STAMFORD, CONECTICUT 06902



Wednesday, December 11, 2024

Re: Request for Proposal (RFP # 2497-24) for Special Inspections (CT State DAS #057-0114N)

Greenwich Central Middle School, 9 Indian Rock Lane, Greenwich, Connecticut 06830

On behalf of our client, Greenwich Public Schools (Owner) and c/o Central Middle School Building Committee, JLL requests your competitive proposal and Statements of Qualifications for Special Inspection Services for the above-referenced project, Greenwich Central Middle School. Your firm is being considered because of its proven ability to deliver similar projects in a successful manner and is within the locality of the project. This Request seeks to identify the most qualified potential providers of the above-mentioned services. JLL and the Owner reserve the right to reject any or all statements of qualifications, and cost proposal, and to waive technicalities and informalities at the discretion of JLL and the Owner.

Project RFP Milestones

Issued Date: Wednesday, December 11, 2024

RFI's Date: Thursday, December 18, 2024, by Noon (12:00 pm)

Response to RFI's Date: Thursday, December 26, 2024, by Noon (12:00 pm)

Bid Due/Opening Date: Thursday, January 02, 2025, by 11:00 am
Greenwich Public Schools
c/o Central Middle School Building Committee & Jones Lang LaSalle
290 Greenwich Avenue, Greenwich, Connecticut 06830
Attn: Jose Cardoso / Eugene H. Watts



Project Team

Client:	Greenwich Public School c/o Greenwich Central Middle School Building Committee
Client's Representative:	Jose Cardoso, Jr Jones Lang LaSalle One Station Place, Suite 103 Stamford, Connecticut 06902 M 475.755.9166
Architect:	The S/L/A/M Collaborative (SLAM)
Engineer:	Consulting Engineering Services (CES)
Environmental:	Tighe & Bond
Construction Manager:	Turner Construction Company

Note: All correspondence, questions, and communication will be with the Clients' Representative only. Any other attempts at communication, other than with the parties outlined above is grounds for bid disqualification. Please present questions in written form only.

Confidential Information: All the information contained in this Request for Proposal (RFP) is confidential and shall not be discussed with anyone, except for the purpose of responding to this RFP, without expressed consent from the Client or Client's Representative.

Project Description

The Town of Greenwich is finally realizing a new facility on the existing Central Middle School property with a new middle school serving the same 6th – 8th grade population. The new middle school will house up to 660 students in approximately 125,000 gross square feet in a two-story structure.

The first floor features a secure entrance and houses common areas like the auditorium, gym, media center, and cafeteria. It also includes administrative offices, arts spaces, and specialized classrooms. Building services are located on the north side, built into the hill.

The second floor contains academic classrooms designed for modern teaching methods, with flexible spaces for various group sizes. Three distinct pods support two teams per grade level. Specialty services are situated between pods, with access to outdoor courtyards on the forested north hill.

The new Central Middle School will be a dynamic learning center for generations of students.



Services Scope of Services

The scope shall include special inspection services. Please note the attachments:

Exhibit B: Appendix G – Statement of Special Inspections – Structural & Architectural

Exhibit C: Specification Section 01 4533 – Code Required Special Inspections

RFP Response Format

Respondents must submit their response to this RFP as per the attached Response Format.

Schedule

Refer to **Exhibit A: Greenwich CMS – Bid Schedule (PCR Phase 2) documents from Turner (24-Sept-24)**.

1. **Commence:** Construction will begin mobilization on January 02, 2025. The selected bidder shall be prepared to begin work immediately.
2. **Completion:** Construction will be Substantially Completed / Certificate of Occupancy on July 17, 2026, with the space ready for occupancy on the 1st Day of School, August 31, 2026 (based on the 2023/2024 calendar).
3. **Close Out:** Close out of final reports and invoicing is expected by January 12, 2027.

Submission Instructions and Conditions

1. Owner reserves the right to terminate this Request for Proposal at any time and proposals must be submitted with the understanding that Owner may accept or reject any and all proposals for any reason or for no reason, without explanation.
2. The Owner reserves the right to cancel or modify the selection process at any time, to waive technicalities, to reject any and all proposals, and to not proceed with the project.
3. Proposing firm's costs incurred in responding to this RFP are theirs alone and neither the Owner nor any affiliated party accepts liability for any such costs.
4. **Equal Employment Opportunity:** The Selected Firm must have a history of being non-discriminating and will not discriminate based on race, creed, color, sex, or national origin in any of its employment practices, or procurement practices with respect to the work force of the firm, or procurement services in connection with this project. An affirmative action plan must be maintained for both work force and procurement practices.



5. Restrictions on communications: From the issue date of this RFP and until a selection is announced, proposing firms are not allowed to communicate for any reason with any of the Owner's staff, the A/E, or CM except through the process outlined in this RFP. All questions shall be directed to and indicated below. Contact with any other person affiliated with OWNER or the PROJECT team will be grounds for disqualification.
6. Questions regarding this RFP may be submitted to ALL, Jose Cardoso, Peter Rader and John Munnick, via email to jose.cardosojr@jll.com, peter.rader@jll.com, and john.munnick@jll.com no later than noon (12:00 pm) on Thursday, December 18, 2024. Questions and responses which clarify programmatic items will be distributed to all parties. If JLL determines that clarifications to the RFP are required, an Addendum will be issued.

FEE FOR BASIC SERVICES:

All responses must be submitted in an organized manner; each copy should address distinct sections as listed in the Selection Criteria. All RFP responses should have consecutively numbered pages.

Respondents must submit:

1. A lump sum monthly cost breakdown using Greenwich CMS - Bid Schedule (PCR Phase 2) (dated 24-Sept-24). Respondent shall outline your proposed project approach/schedule.
 - a. **Exhibit E: Schedule of Special Inspections Monthly Lump Sum Fee**
2. Unit costs based on Appendix G - Statement of Special Inspections (Structural & Architectural)
 - a. **Exhibit F: Schedule of Special Inspections Architectural Fees**
 - b. **Exhibit G: Schedule of Special Inspections Structural Fees**

SELECTION PROCESS SUMMARY & TIMETABLE:

Submit three (3) copies of your proposal. They are to be sent or hand delivered to and by:

Bid Due/Opening Date: Thursday, January 02, 2025, by 11:00 am
Greenwich Public Schools
c/o Central Middle School Building Committee & Jones Lang LaSalle
290 Greenwich Avenue, Greenwich, Connecticut 06830
Attn: Jose Cardoso / Eugene H. Watts

E-mail proposals will not be accepted. Hard copies are to be hand delivered or delivered via overnight mail to arrive no later than 11:00 am on Thursday, January 2nd, 2025. The bid opening will be held on Thursday, January, 02nd, 2025 at the 290 Greenwich Avenue, Greenwich, Connecticut 06830.



SELECTION CRITERIA:

Your response to this Request for Proposal will be evaluated based upon the following criteria:

- Capabilities, Experience and Past Performance: Each firm/team will be evaluated on their demonstrated capabilities and experience to provide special inspection services. Past performances on similar type of work will be reviewed and judged upon quality of work, adherence to schedule, availability and compliance to local codes and regulations.
- Project Approach: Each firm/team will be evaluated on the demonstrated approach to providing the services to meet quality, schedule, technical requirements, and budget goals for the project.
- Ability to Accomplish Work: Each firm will be evaluated on their ability to provide special inspections in a timely manner. Items to be considered include number of qualified staff (emphasis on local staffing), support staff, available equipment, and facilities. Technical expertise, project management, organizational commitment and understanding of the project is considered a requirement in the ability to accomplish the work.
- Fee Evaluation: Each firm/team will be assessed based on their proposed fee structure, considering the balance between cost-effectiveness and the comprehensive delivery of high-quality special inspection services. The evaluation will focus on how the fee aligns with the project's complexity, scope of required inspections, and the firm's ability to meet safety and compliance standards while adhering to budget constraints.
- Local Experience: Each firm will be evaluated on their familiarity with the local codes, regulations, procedures, and infrastructure requirements.
- Firm's Location: Each firm will be evaluated on the location of its office, location of the principal in charge and other key staff assigned to the project.
- Quality of References: Each firm/team will be evaluated based on the quality of their references for the firms/teams and Key Personnel.
- Minority/Women Based Enterprise Participation: List any M/WBE and other disadvantaged business enterprises on your team including Veteran enterprises.
- Proposed Project Schedule: Provide a timeline of anticipated start dates and completion dates with milestones indicated. Include lead time for mobilization and indicate when preliminary results of investigations will be reported and a milestone date for completion of the final report.
- Insurance: Include a statement of proposer's insurance coverage (type, and dollar amount of coverage) that proposer maintains which are consistent with or more expansive than the insurance requirements set forth within **Exhibit D: RFP #2497-24 Insurance Requirements**.
- Other: Each firm will be evaluated on any additional supportive information that demonstrates their capabilities to best suit the needs of the Greenwich Public Schools, c/o Greenwich Central Middle School Building Committee.



Sincerely,

A handwritten signature in black ink that reads "Jose Cardoso Jr".

Jose Cardoso, Jr.
Senior Project Manager
JLL

Attachments:

- Exhibit A: Greenwich CMS – Bid Schedule (PCR Phase 2) Turner (24-Sept-24)
- Exhibit B: Appendix G – Statement of Special Inspections – Structural & Architectural
- Exhibit C: Specification Section 01 4533 – Code Required Special Inspections
- Exhibit D: RFP #2497-24 Insurance Requirements
- Exhibit E: Schedule of Special Inspections Monthly Lump Sum Fee
- Exhibit F: Schedule of Special Inspections Architectural Fees
- Exhibit G: Schedule of Special Inspections Structural Fees

CC: Eugene Watts, Joe Rosetti, Peter Rader, John Munnick

Layout Name: CT-TEMPLATE-Full Sched Data Date: 24-Sep-24		Greenwich Central Middle School												Page #: 1 Of 3																																						
Activity ID	Activity Name	Rem. Dur.	Start	Finish	2025												2026												2027												2028											
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GCMS - MASTER 09.24.24		584	01-Jul-24 A	12-Jan-27	GCMS - MASTER 09.24.24																																															
Project Milestones		516	02-Jan-25	12-Jan-27	Project Milestones																																															
Phase 1a-1c		393	02-Jan-25	17-Jul-26	Phase 1a-1c																																															
Mile-Ph1-1000	Mobilize Onsite	0	02-Jan-25		◆ Mobilize Onsite																																															
Mile-Ph1-1010	Start Foundation Walls Lower Level	0	07-Feb-25		◆ Start Foundation Walls Lower Level																																															
Mile-Ph1-1020	Start Foundation Walls Upper Level	0	24-Mar-25		◆ Start Foundation Walls Upper Level																																															
Mile-Ph1-1030	Start Structural Steel Lower Level	0	25-Apr-25		◆ Start Structural Steel Lower Level																																															
Mile-Ph1-1040	SOG Complete Lower Level	0		09-May-25	◆ SOG Complete Lower Level																																															
Mile-Ph1-1050	Start Structural Steel Upper Level	0	16-May-25		◆ Start Structural Steel Upper Level																																															
Mile-Ph1-1060	SOG Complete Upper Level	0		23-May-25	◆ SOG Complete Upper Level																																															
Mile-Ph1-1070	Exterior Wall CFMF Start	0	30-Jun-25		◆ Exterior Wall CFMF Start																																															
Mile-Ph1-1080	Slab on Decks Complete	0		22-Jul-25	◆ Slab on Decks Complete																																															
Mile-Ph1-1090	CMU Complete	0		19-Aug-25	◆ CMU Complete																																															
Mile-Ph1-1100	Exterior Sheathing Complete	0		08-Oct-25	◆ Exterior Sheathing Complete																																															
Mile-Ph1-1110	Roofing & Temporary Watertight Complete - Start MEP Rough Lower Level	0	22-Oct-25		◆ Roofing & Temporary Watertight Complete - Start MEP Rough Lower Level																																															
Mile-Ph1-1120	Roofing & Temporary Watertight Complete - Start MEP Rough Upper Level	0	19-Nov-25		◆ Roofing & Temporary Watertight Complete - Start MEP Rough Upper Level																																															
Mile-Ph1-1130	Exterior Envelope Permanant Watertight Complete	0		12-Dec-25	◆ Exterior Envelope Permanant Watertight Complete																																															
Mile-Ph1-1140	Start Drywall Lower Level	0	12-Dec-25		◆ Start Drywall Lower Level																																															
Mile-Ph1-1150	Start Drywall Upper Level	0	06-Jan-26		◆ Start Drywall Upper Level																																															
Mile-Ph1-1160	Start Finishes & Specialties Lower Level	0	27-Jan-26		◆ Start Finishes & Specialties Lower Level																																															
Mile-Ph1-1170	Elevator Fitout Start	0	02-Feb-26		◆ Elevator Fitout Start																																															
Mile-Ph1-1180	Start Finishes & Specialties Upper Level	0	17-Feb-26		◆ Start Finishes & Specialties Upper Level																																															
Mile-Ph1-1190	Permanant Power Live / Complete	0		27-Feb-26	◆ Permanant Power Live / Complete																																															
Mile-Ph1-1200	MEP Equipment Startup	0		30-Mar-26	◆ MEP Equipment Startup																																															
Mile-Ph1-1210	Hardscape Complete	0		07-Apr-26	◆ Hardscape Complete																																															
Mile-Ph1-1220	Landscape Complete	0		19-May-26	◆ Landscape Complete																																															
Mile-Ph1-1230	Work Substantially Complete - Start Inspections and Items to Complete	0	20-May-26		◆ Work Substantially Complete - Start Inspections and Items to Complete																																															
Mile-Ph1-1240	Start A/E Punchlist	0	03-Jun-26		◆ Start A/E Punchlist																																															
Mile-Ph1-1250	Phase 1 Punchlist Complete & Certificate of Occupancy	0		17-Jul-26	◆ Phase 1 Punchlist Complete & Certificate of Occupancy																																															
Phase 2a-2d		142	22-Jun-26	12-Jan-27	Phase 2a-2d																																															
Mile-Ph2-1000	Mobilize Onsite	0	22-Jun-26		◆ Mobilize Onsite																																															
Mile-Ph2-1010	Fire Lane Complete and Ready for Use (Phase 2a)	0		17-Aug-26	◆ Fire Lane Complete and Ready for Use (Phase 2a)																																															
Mile-Ph2-1020	Existing Building Abatement & Demolition Complete (Phase 2c)	0		14-Sep-26	◆ Existing Building Abatement & Demolition Complete (Phase 2c)																																															
Mile-Ph2-1030	Parent Entrance Complete and Ready for Use (Phase 2b)	0		21-Sep-26	◆ Parent Entrance Complete and Ready for Use (Phase 2b)																																															
Mile-Ph2-1040	Athletic Field Complete & Project Substantial Completion (Phase 2d)	0		25-Nov-26	◆ Athletic Field Complete & Project Substantial Completion (Phase 2d)																																															
Mile-Ph2-1050	Project Closeout Complete	0		12-Jan-27	◆ Project Closeout Complete																																															
Preconstruction		323	01-Jul-24 A	02-Jan-26	Preconstruction																																															
Design		2	08-Jul-24 A	27-Sep-24	Design																																															

- Actual Work
- Remaining Work
- Critical Remaining Work
- ◆

◆ Milestone
- ➤ Summary

Greenwich CMS - Bid Schedule (PCR Phase 2)

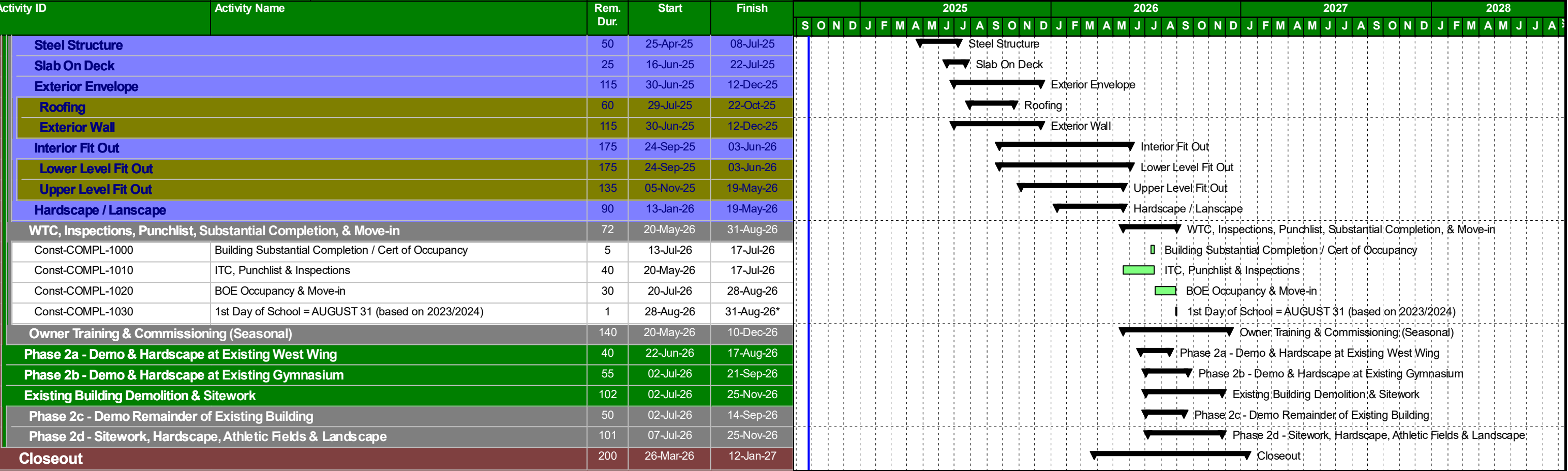


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 Actual Work
 Remaining Work
 Critical Remaining Work
 Milestone
 Summary

Greenwich CMS - Bid Schedule (PCR Phase 2)





 Actual Work
 Remaining Work
 Critical Remaining Work
 Milestone
 Summary

Greenwich CMS - Bid Schedule (PCR Phase 2)



**APPENDIX G – STATEMENT OF SPECIAL INSPECTION
ARCHITECTURAL & STRUCTURAL
FOR ADDITIONAL INFORMATION SEE
01 4533 – CODE REQUIRED SPECIAL INSPECTIONS**

Statement of Special Inspections

Project: Greenwich Central Middle School

Location: 9 Indian Rock Lane, Greenwich CT

Owner: Greenwich Board of Education

Design Professional in Responsible Charge: Kemp A. Morhardt, AIA, NCARB

This Statement of Special Inspections is submitted in accordance with Section 1704.2.3 of the 2021 International Building Code. It includes a *Schedule of Special Inspection Services* applicable to the above-referenced Project as well as the identity of the individuals, agencies, or firms intended to be retained for conducting these inspections. If applicable, it includes *Requirements for Seismic Resistance* and/or *Requirements for Wind Resistance*. This *Statement of Special Inspections* encompass the following disciplines:

☐ Structural

☐ Mechanical/Electrical/Plumbing

☒ Architectural

☐ Other: _____

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

The Special Inspector(s) shall keep records of all inspections and shall furnish interim inspection reports to the Building Official and to the Registered Design Professional in Responsible Charge at a frequency agreed upon by the Design Professional and the Building Official prior to the start of work. Discrepancies shall be brought to the immediate attention of the Contractor for correction. If the discrepancies are not corrected, the discrepancies shall be brought to the attention of the Building Official and the Registered Design Professional in Responsible Charge prior to completion of that phase of work. A *Final Report of Special Inspections* documenting required special inspections and corrections of any discrepancies noted in the inspections shall be submitted to the Building Official and the Registered Design Professional in Responsible Charge at the conclusion of the project.

Frequency of interim report submittals to the Registered Design Professional in Responsible Charge:

☐ Weekly

☐ Bi-Weekly

☒ Monthly

Other; specify: _____

The Special Inspection program does not relieve the Contractor of the responsibility to comply with the Contract Documents. Jobsite safety and means and methods of construction are solely the responsibility of the Contractor.

Statement of Special Inspections Prepared by:

Kemp A. Morhardt, AIA, NCARB

Type or print name



Signature

11/5/2024

Date

Building Official's Acceptance:

Signature

Date

Permit Number:

Frequency of interim report submittals to the Building Official:

☒ Monthly

☐ Bi- Monthly

☐ Upon Completion

Other; specify: _____

Preparer's seal



Owner's Authorization:

Signature

Date

Schedule of Inspection and Testing Agencies

This Statement of Special Inspections / Quality Assurance Plan includes the following building systems:

- | | |
|--|--|
| ☐ Steel Construction
☐ Concrete Construction
☐ Masonry Construction

☐ Wood Construction
☐ Soils
☐ Pile Foundations
☐ Pier Foundations
☐ Cold Formed Steel Framing | ☒ Sprayed Fire-Resistant Materials
☒ Mastic and Intumescent Fire-Resistant Coatings
☒ Exterior Insulation and Finish Systems (EIFS)
☒ Fire-Resistant Penetrations and Joints
☐ Smoke Control
☐ Sealing of Mass Timber
☐ Architectural Designated Seismic Systems
☐ Seismic Certification of Non-Structural Components |
|--|--|

*Inspection Agents			
Agency	Firm	Address	Telephone
1. Special Inspection Coordinator	TBD		
2. Testing/Inspections	TBD		
3. Geotechnical Engineer	Tighe and Bond	213 Court Street Suite 1100 Middletown CT 06457	(860)-704-4760
4. Other			
Note: The inspectors and testing agencies 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.			

Quality Assurance for Seismic Resistance

See the *Schedule of Special Inspections* for inspection and testing requirements

Seismic Design Category: B

Statement of Special Inspection for Seismic Resistance Required (Yes/No): No

Description of seismic force-resisting system subject to special inspection and testing for seismic resistance: **(Required for Seismic Design Categories B, C, D, E or F in accordance with IBC Sections 1705.13.1 through 1705.13.3, and 1705.14.1 and 1705.14.2)**

Description of designated seismic systems subject to special inspection and testing for seismic resistance: **(Required for architectural, electrical and mechanical systems and their components that require design in accordance with Chapter 13 of ASCE 7, have a component importance factor, I_p , greater than one and are in Seismic Design Categories C, D, E or F.)**

Description of additional seismic systems and components requiring special inspections and testing: **(Required for systems noted in IBC Section 1705.13.5 through 1705.13.7 in Seismic Design Categories C, D, E or F.)**

Statement of Responsibility:

Each contractor responsible for the construction or fabrication of a system or component described above must submit a Statement of Responsibility.

Quality Assurance for Wind Requirements

See the *Schedule of Special Inspections* for inspection and testing requirements

Nominal Design Wind Speed, V_{asd} : 101 m.p.h.

Wind Exposure Category: B

Statement of Special Inspection for Wind Resistance Required (Yes/No): No

(Required in wind exposure Category B, where the Basic wind speed is 130 miles per hour or greater. Required in wind exposure Category C or D, where the basic design wind speed, V , is 140 miles per hour or greater.)

Description of main windforce-resisting system subject to special inspection for wind resistance: **(Required for systems noted in IBC Section 1705.12)**

Statement of Responsibility:

Each contractor responsible for the construction or fabrication of a system or component described above must submit a Statement of Responsibility.

Minimum Qualifications of Inspectors and Testing Technicians *

* (as referenced in Table 1 of the *"Model Program for Special Inspection"* published by the International Code Council (ICC) and AC 291 published by the International Accreditation Service (IAS).

The qualifications of all personnel performing Special Inspection and testing activities are subject to the approval of the Building Official. The credentials of all Inspectors and testing technicians shall be provided if requested.

Table 1 – Minimum Qualifications for Special Inspectors ^{a, b}

SPECIAL INSPECTION CATEGORY	REQUIRED EXPERIENCE	REQUIRED CERTIFICATION(S)	NOTES
EIFS	Note c	AWCI EIFS Inspector	
Firestop systems	Note c	UL firestop examination of FM firestop examination	
Wall panels, curtain walls and veneers	Note c	ICC Commercial Building Inspector or ICC Residential Building Inspector	Note d
Seismic isolation systems	Note c	RDP, PE, BS engineering/ architecture	
Special cases	Note c	ICC Commercial Building Inspector or ICC Residential Building Inspector	Note d

Table 1 – continued
Minimum Qualifications for Special Inspectors ^{a, b}

- a. It is recognized that the development of qualified inspectors requires those individuals to obtain experience performing inspections of actual work. The requirements herein include such experience, as do some of the required certifications. To provide a vehicle for individuals to obtain this experience, they shall perform inspections in accordance with written associate or apprentice programs that are prepared by the SIA, approved by the IAS, and meet the requirements of the local governing authority. These programs must include, at a minimum, passing certification exams, when available, administered by third-party agencies, such as ICC and ACI; in-house SIA and third-party training; observation by the associate or apprentice of inspections performed by certified inspectors; and performance by the associate or apprentice inspectors of duplicate inspections with certified inspectors. This written program will also define the use of associate or apprentice inspectors and will limit their use based upon the level of supervision and the complexity of the inspection assignment. The complexity of an assignment shall be minimal and will often be task specific. Supervision should be direct, with a certified inspector being present at the site with the associate or apprentice. The associate or apprentice to certified inspector ratio on a project site shall not exceed 1:1. All documents related to work by an associate or apprentice inspector must be cosigned by a certified inspector. The written program must include documentation of compliance with the program.
- b. When qualifications for special inspectors are locally defined, by statute, ordinance or rule that meet or exceed the requirements outlined in this criteria, these local requirements shall be recognized.
- c. Applicants shall comply with one of the following education and experience requirements:
 1. PE, licensed architects or RDP, and a minimum of three months of relevant work experience; or
 2. BS in engineering, architecture or physical science, and a minimum of six months of relevant work experience; or
 3. Two years of verified college or technical school (a copy of a diploma or transcript required), and a minimum of one year of relevant work experience; or
 4. High school or equivalent graduate (a copy of a diploma or certificate required), and a minimum of two years of verified relevant work experience; or
 5. A minimum of three years of verified relevant work experience.
- d. PE, licensed architects, or RDP are exempt from the required certifications listed in this table, but are subject to on-site assessment of competence by IAS.

Reference Abbreviations, and Recognized Certifying or Accreditation Agencies

AA	Associate of Arts (degree)	FM	Factory Mutual Global
AABC	Associated Air Balance Council	IAS	International Accreditation Service
ACI	American Concrete Institute	IBC	International Building Code
ANSI	American National Standards Institute	ICC	International Code Council
API	American Petroleum Institute	ICC-ES	ICC Evaluation Service
ASNT	American Society for Nondestructive Testing	NDT	Nondestructive testing
ASTM	American Society for Testing and Materials	NICET	National Institute for Certification of Engineering Technologists
AWCI	Association of the Wall and Ceiling Industry	PE	Professional engineer
AWS	American Welding Society	RDP	Registered design professional
BS	Bachelor of Science (degree)	SI	Special inspector
CWI	Certified welding inspector	SIA	Special inspection agency
EIFS	Exterior insulation and finish system	UL	Underwriters Laboratories
EIT	Engineer in Training		

Schedule of Special Inspection Services

MATERIAL/ACTIVITY	REFERENCE SECTION	SERVICE (See Table 1 above for minimum qualifications)	APPLICABLE TO THIS PROJECT			
			Y/N	EXTENT	AGENT ¹	DATE COMPLETED
1705.12 Wind-Resisting Components						
1. Fastening of roof covering, roof deck and roof framing connections.		Field inspection	N	Periodic		
2. Fastening of exterior wall covering and wall connections to roof and floor diaphragms and framing		Field inspection	N	Periodic		
1705.13.4 Designated Seismic Systems Verification						
Inspect and verify that the component label, anchorage or mounting conforms to the certificate of compliance in accordance with Section 1705.14.3		Field inspection	N	Periodic		
1705.13.5 Architectural Components Special Inspections for Seismic Resistance						
Inspection during the erection and fastening of exterior cladding and interior and exterior veneer		Field inspection	N	Periodic		
Inspection during the erection and fastening of interior and exterior nonbearing walls		Field inspection	N	Periodic		
Inspection during anchorage of access floors		Field inspection	N	Periodic		
1705.13.7 Storage Racks Special Inspections for Seismic Resistance						
Inspection during the anchorage of storage racks 8 feet or greater in height		Field inspection	N	Periodic		
1705.14.2 Seismic Certification of Nonstructural Components (Seismic Design Category B,C,D, E, or F, and ASCE 7, Section 13.2.1)						
Review certificate of compliance for nonstructural components, supports and/or attachments		Certificate of compliance review	N	Each submittal		
1705.14.3 Designated Seismic Systems (Seismic Design Category C,D,E, or F and ASCE 7, Section 13.2.2)						
Review certificate of compliance for designated seismic system components		Certificate of compliance review	N	Each submittal		
1705.15 Sprayed Fire-resistant Materials						
Verify surface condition preparation of structural members		Field inspection	Y	Per IBC Section 1705.15.1 & 1705.15.2	2	
Verify application of sprayed fire-resistant materials		Field inspection	Y	Per IBC Section 1705.15.3	2	
Verify average thickness of sprayed fire-resistant materials applied to structural members		Field inspection and testing	Y	Per IBC Section 1705.15.4	2	
Verify density of the sprayed fire-resistant material complies with approved fire-resistant design		Field inspection and testing	Y	Per IBC Section 1705.15.5	2	
Verify the cohesive/adhesive bond strength of the cured sprayed fire-resistant material		Field inspection and testing	Y	Per IBC Section 1705.15.6	2	
1705.16 Mastic and Intumescent Fire-Resistant Coatings						

MATERIAL/ACTIVITY	REFERENCE SECTION	SERVICE (See Table 1 above for minimum qualifications)	APPLICABLE TO THIS PROJECT			
			Y/N	EXTENT	AGENT ¹	DATE COMPLETED
Inspect and test mastic and intumescent fire-resistant coatings applied to structural elements and decks in accordance with AWC/ 12-B		Field inspection and testing	Y	Periodic	2	
1705.17 Exterior Insulation and Finish Systems (EIFS)						
Verify materials, details and installations are per the approved construction documents		Field inspection	Y	Periodic		
Inspection of water-resistive barrier over sheathing substrate	ASTM E2570	Field inspection	Y	Periodic		
1705.18 Fire-Resistant Penetrations and Joints						
Inspect penetration firestop systems		Field testing	Y	Per ASTM E2174	1	
Inspect fire-resistant joint systems		Field testing	Y	Per ASTM E2393	1	
Inspect perimeter fire barrier systems		Field testing	Y	Per ASTM E2393	1	
1705.20 Sealing of Mass Timber						
Inspect sealants and adhesives		Field inspection	N	Periodic		

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 are not required where the fabricator is approved in accordance with IBC Section 1704.2.5.1.
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.	Where applicable, see also Section 1705.12, Special Inspections for Seismic resistance.
7.	Specific requirements for special inspection shall be included in the research report for the anchor used by an approved source in accordance with 17.8.2 in ACI 318, or other qualification procedures. Where specific requirements are not provided, special inspection requirement shall be specified by the registered design professional and shall be approved by the building official prior to the commencement of work.
8.	Quality Control (QC) – Controls and inspections implemented by the installer to confirm that the material provided and work performed meet the requirements of the construction documents, installation drawings, shop drawings, design documents and referenced standards. Quality Assurance (QA) – Inspection as herein required of the materials, installation, fabrication, erection or placement of components and connections, performed by an agency, individual or firm other than the installer, requiring special expertise to confirm compliance with construction documents and referenced standards.
9.	Continuous required for the first 5000 square feet (465 square meters) of AAC masonry. Periodic required after the first 5000 square feet (465 square meters) of AAC masonry.

Statement of Special Inspections

Project: Greenwich Central Middle School
Location: 9 Indian Rock Lane, Greenwich CT
Owner: Greenwich Board of Education

Design Professional in Responsible Charge: Douglas S. Graham, P.E.

This Statement of Special Inspections is submitted in accordance with Section 1704.2.3 of the 2021 International Building Code. It includes a *Schedule of Special Inspection Services* applicable to the above-referenced Project as well as the identity of the individuals, agencies, or firms intended to be retained for conducting these inspections. If applicable, it includes *Requirements for Seismic Resistance* and/or *Requirements for Wind Resistance*. This *Statement of Special Inspections* encompass the following disciplines:

☒ Structural ☐ Mechanical/Electrical/Plumbing
☐ Architectural ☐ Other: _____

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

The Special Inspector shall keep records of all inspections and shall furnish interim inspection reports to the Building Official and to the Registered Design Professional in Responsible Charge at a frequency agreed upon by the Design Professional and the Building Official prior to the start of work. Discrepancies shall be brought to the immediate attention of the Contractor for correction. If the discrepancies are not corrected, the discrepancies shall be brought to the attention of the Building Official and the Registered Design Professional in Responsible Charge prior to completion of that phase of work.

All Agents of the Special Inspector shall submit an Agent's Final Report of Special Inspections to the Special Inspector. The Special Inspector shall then submit a Final Report of Special Inspections along with the Agents Final Report of Special Inspections to the Building Official, including any open discrepancies.

Frequency of interim report submittals by the Special Inspector to the Registered Design Professional in Responsible Charge:

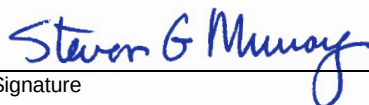
☐ Weekly ☐ Bi-Weekly ☒ Monthly Other; specify: _____

The Special Inspection program does not relieve the Contractor of the responsibility to comply with the Contract Documents. Jobsite safety and means and methods of construction are solely the responsibility of the Contractor.

Frequency of interim report submittals to the Building Official:
Statement of Special Inspections Prepared by:

Steven G. Murray, P.E.

Type or print name



Signature

11/7/2024

Date

Building Official's Acceptance:

Signature

Date



Owner's Authorization:

Permit Number:

Signature

Date

☐ Monthly ☐ Bi- Monthly ☐ Upon Completion Other; specify: _____

Schedule of Inspection and Testing Agencies

This Statement of Special Inspections / Quality Assurance Plan includes the following building systems:

- | | |
|---|---|
| ☒ Steel Construction | ☐ Sprayed Fire-Resistant Materials |
| ☒ Concrete Construction | ☐ Mastic and Intumescent Fire-Resistant Coatings |
| ☐ Masonry Construction | ☐ Exterior Insulation and Finish Systems (EIFS) |
| ☐ Wood Construction | ☐ Smoke Control |
| ☒ Soils | ☐ MEP Designated Seismic Systems |
| ☐ Pile Foundations | ☐ Architectural Designated Seismic Systems |
| ☐ Pier Foundations | |
| ☐ Cold Formed Steel Framing | ☐ Special Cases (Numbered below) |
| | <ul style="list-style-type: none"> • Permanent Soil Nail Walls • Underpinning • Foundation Drainage • Super-Longspan Steel Joists |

*Inspection Agents			
Agency	Firm	Address	Telephone
1. Special Inspector	TBD		
2. Testing/Inspections	TBD		
3. Geotechnical Engineer	TBD		
4. Structural Observer (if required by 1704.6)			
5. Other			

Note: The inspectors and testing agencies 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.

Special Inspections for Seismic Resistance

See the *Schedule of Special Inspections* for inspection and testing requirements

Seismic Design Category: ____

Statement of Special Inspection for Seismic Resistance Required (Yes/No): ____

Description of seismic force-resisting system subject to special inspection and testing for seismic resistance: **(Required for Structures as stated in IBC Sections 1705.13 through 1705.13.9)**

Description of designated seismic systems subject to special inspection and testing for seismic resistance: **(Required for architectural, electrical and mechanical systems and their components that require design in accordance with Chapter 13 of ASCE 7, have a component importance factor, I_p , greater than one and are in Seismic Design Categories C, D, E or F.)**

Description of additional seismic systems and components requiring special inspections and testing: **(Required for Structures as stated in IBC Sections 1705.13 through 1705.13.9)**

Statement of Responsibility:

Each contractor responsible for the construction or fabrication of a system or component described above must submit a Statement of Responsibility.

Special Inspections for Wind Resistance

See the *Schedule of Special Inspections* for inspection and testing requirements

Basic Wind Speed, V_{ult} : ____ m.p.h.

Wind Exposure Category: ____

Statement of Special Inspection for Wind Resistance Required (Yes/No): ____

(Required in wind exposure Category B, where the basic wind speed, V_{ult} , is 150 miles per hour or greater. Required in wind exposure Category C or D, where the basic wind speed, V_{ult} , is 140 miles per hour or greater.)

Description of main windforce-resisting system subject to special inspection for wind resistance: **(Required for systems noted in IBC Section 1705.12.1 and 1705.12.2)**

Description of windforce-resisting components subject to special inspection for wind resistance: **(Required for systems and components noted in IBC Section 1705.12.3)**

Statement of Responsibility:

Each contractor responsible for the construction or fabrication of a system or component described above must submit a Statement of Responsibility.

Structural Observations

Structural Observations Required per 1704.6 (Yes/No): ____

Structural Observations shall be performed by a registered design professional (Inspection Agent #4 Above) in accordance with 1704.6

Minimum Qualifications of Inspectors and Testing Technicians *

* (as referenced in Table 1 of the “*Model Program for Special Inspection*” published by the International Code Council (ICC) and AC 291 published by the International Accreditation Service (IAS).

The qualifications of all personnel performing Special Inspection and testing activities are subject to the approval of the Building Official. The credentials of all Inspectors and testing technicians shall be provided if requested.

Table 1 – Minimum Qualifications for Special Inspectors ^{a, b}

SPECIAL INSPECTION CATEGORY	REQUIRED EXPERIENCE	REQUIRED CERTIFICATION(S)	NOTES
Concrete construction (prestressed/precast)	Note c	ICC Prestressed SI and ICC Reinforced Concrete SI	
Reinforced concrete	Note c	ICC Reinforced Concrete SI or ACI Concrete Construction SI	
NDT	120 hours for Level II	ANSI/ASNT-CP-189 NDT or SNT-TC-1a NDT	
Pier and pile foundations	Note c	NICET II (geotechnical or construction, or construction material testing or soils)	Note d
Post-installed structural anchors in concrete	Note c	ICC Reinforced Concrete SI or ACI Concrete Construction SI	
Soils	Note c	ICC Soils SI or NICET II (geotechnical or construction, or construction material testing or soils)	Note d
Steel (high-strength bolting)	Note c	ICC Structural Steel and Bolting SI	
Steel (welding)	5 years minimum or in accordance with AWS	AWS CWI or ICC Structural Welding SI	
Masonry construction	Note c	ICC Structural Masonry SI	
Wood construction	Note c	ICC Commercial Building Inspector or ICC Residential Building Inspector	Note d
Structural cold-formed steel	Note c	ICC Commercial Building Inspector or ICC Residential Building Inspector	Note d
Excavation—sheeting, shoring and bracing	Note c	NICET II (geotechnical or construction, or construction material testing or soils)	Note d
Structural safety—stability and mechanical demolition	Note c	RDP, PE, BS engineering/ architecture or valid site safety manager certification	
Seismic isolation systems	Note c	RDP, PE, BS engineering/ architecture	
Special cases	Note c	ICC Commercial Building Inspector or ICC Residential Building Inspector	Note d

Table 1 – continued
Minimum Qualifications for Special Inspectors ^{a, b}

- a. It is recognized that the development of qualified inspectors requires those individuals to obtain experience performing inspections of actual work. The requirements herein include such experience, as do some of the required certifications. To provide a vehicle for individuals to obtain this experience, they shall perform inspections in accordance with written associate or apprentice programs that are prepared by the SIA, approved by the IAS, and meet the requirements of the local governing authority. These programs must include, at a minimum, passing certification exams, when available, administered by third-party agencies, such as ICC and ACI; in-house SIA and third-party training; observation by the associate or apprentice of inspections performed by certified inspectors; and performance by the associate or apprentice inspectors of duplicate inspections with certified inspectors. This written program will also define the use of associate or apprentice inspectors and will limit their use based upon the level of supervision and the complexity of the inspection assignment. The complexity of an assignment shall be minimal and will often be task specific. Supervision should be direct, with a certified inspector being present at the site with the associate or apprentice. The associate or apprentice to certified inspector ratio on a project site shall not exceed 1:1. All documents related to work by an associate or apprentice inspector must be cosigned by a certified inspector. The written program must include documentation of compliance with the program.
- b. When qualifications for special inspectors are locally defined, by statute, ordinance or rule that meet or exceed the requirements outlined in these criteria, these local requirements shall be recognized.
- c. Applicants shall comply with one of the following education and experience requirements:
 1. PE, licensed architects or RDP, and a minimum of three months of relevant work experience; or
 2. BS in engineering, architecture or physical science, and a minimum of six months of relevant work experience; or
 3. Two years of verified college or technical school (a copy of a diploma or transcript required), and a minimum of one year of relevant work experience; or
 4. High school or equivalent graduate (a copy of a diploma or certificate required), and a minimum of two years of verified relevant work experience; or
 5. A minimum of three years of verified relevant work experience.
- d. PE, licensed architects, or RDP are exempt from the required certifications listed in this table but are subject to on-site assessment of competence by IAS.

Reference Abbreviations, and Recognized Certifying or Accreditation Agencies

AA	Associate of Arts (degree)	FM	Factory Mutual Global
AABC	Associated Air Balance Council	IAS	International Accreditation Service
ACI	American Concrete Institute	IBC	International Building Code
ANSI	American National Standards Institute	ICC	International Code Council
API	American Petroleum Institute	ICC-ES	ICC Evaluation Service
ASNT	American Society for Nondestructive Testing	NDT	Nondestructive testing
ASTM	American Society for Testing and Materials	NICET	National Institute for Certification of Engineering Technologists
AWCI	Association of the Wall and Ceiling Industry	PE	Professional engineer
AWS	American Welding Society	RDP	Registered design professional
BS	Bachelor of Science (degree)	SI	Special inspector
CWI	Certified welding inspector	SIA	Special inspection agency
EIFS	Exterior insulation and finish system	UL	Underwriters Laboratories

Schedule of Special Inspection Services

MATERIAL/ACTIVITY	REFERENCE SECTION	SERVICE (See Table 1 above for min qualifications)	APPLICABLE TO THIS PROJECT			
			Y/N	EXTENT	AGENT ¹	DATE COMPLETED
1704.2.5 Inspection of Fabricated Items						
Verify fabrication / quality control procedures		In-plant review ³	N	Periodic		
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 operations	N			
1705.2.1 Steel Construction						
Fabricator and erector documents (Verify reports and certificates as listed in <i>AISC 360, Chapter N3.2</i> for compliance with construction documents.)		Submittal Review	Y	Each submittal	2	
Material verification of structural steel		Shop ³ and field inspection	Y	Periodic	2	
Embedments (Verify diameter, grade, type, length, embedment. See 1705.3 for anchors)		Field Inspection	Y	Periodic	2	
Verify member locations, braces, stiffeners and application of joint details at each connection comply with construction documents.		Field Inspection	Y	Periodic	2	
Structural steel welding:						
Inspection tasks prior to welding (Observe, or perform for each welded joint or member, the QA tasks listed in <i>AISC 360, Table N5.4-1</i>)		Shop ^{3, 5, 10} and field inspection	Y	Observe or Perform as noted ⁴	2	
Inspection tasks during welding (Observe or perform for each welded point or member, the QA tasks listed in <i>AISC 360, Table N5.4-2</i>)		Shop ^{3, 5, 10} and field inspection	Y	Observe ⁴	2	
Inspection tasks after welding (Observe or perform for each welded point or member, the QA tasks listed in <i>AISC 360, Table N5.4-3</i>)		Shop ^{3, 5, 10} and field inspection	Y	Observe or Perform as noted ⁴	2	
Nondestructive testing (NDT) of welded joints: see Commentary					2	
Complete penetration groove welds 5/16" or greater		Shop ^{3, 5, 10} and field inspection	Y	Witness 25% (Shop), 50% (Field); Perform NDT 100%	2	
Thermally cut surfaces of access holes when material t>2"		Shop ^{3, 5, 10} and field inspection	N	Witness 25% (Shop), 50% (Field); Perform NDT 100%	2	
Welded joints subject to fatigue when required by <i>AISC 360, Appendix 3, Table A-3.1</i>		Shop ^{3, 5, 10} or field radiographic or Ultrasonic testing	N	Witness 25% (Shop), 50% (Field); Perform NDT 100%	2	
Fabricator NDT reports when fabricator performs NDT ^{5, 10}		Verify fabricator submitted reports	Y	Each submittal ⁵	2	
Structural Steel Bolting:		Shop ³ and field inspection				
Inspection tasks Prior to Bolting			Y	Observe or Perform as noted ⁴	2	

MATERIAL/ACTIVITY	REFERENCE SECTION	SERVICE (See Table 1 above for min qualifications)	APPLICABLE TO THIS PROJECT			
			Y/N	EXTENT	AGENT ¹	DATE COMPLETED
(Observe or perform tasks for each bolted connection in accordance with QA tasks listed in AISC 360, Table N5.6-1)						
Inspection tasks during bolting (Observe the QA tasks listed in AISC 360, Table N5.6-2)			Y	Observe ⁴	2	
Pre-tensioned and slip-critical joints			N			
Turn-of-nut with matching markings				Periodic	2	
Direct tension indicator				Periodic	2	
Twist-off type tension control bolt				Periodic	2	
Turn-of-nut without matching markings				Continuous	2	
Calibrated wrench				Continuous	2	
Snug-tight joints			Y	Periodic	2	
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	2	
Pre-tensioned and slip-critical joints			N			
Turn-of-nut with matching markings				Periodic	2	
Direct tension indicator				Periodic	2	
Twist-off type tension control bolt				Periodic	2	
Turn-of-nut without matching markings				Continuous	2	
Calibrated wrench				Continuous	2	
Snug-tight joints			Y	Periodic	2	
Inspection of steel elements of composite construction prior to concrete placement.						
Placement and installation of steel deck			Y	Observe or Perform as noted ⁴	2	
Placement and installation of steel headed stud anchors			Y	Observe or Perform as noted ⁴	2	
Document acceptance of rejection of steel elements			Y	Observe or Perform as noted ⁴	2	
1705.2.2 Cold-formed Steel Deck						
Special Inspections and qualification of welding special inspectors for cold-formed steel floor and roof deck shall be in accordance with the quality assurance inspection requirements of SDI QA/QC.	SDI-QA/QC – 2017		Y			
Table 1.1 Inspection or Execution Tasks Prior to Deck Placement						
A – Verify compliance of materials (deck and all deck accessories) with construction documents, including profiles, material properties, and base metal thickness			Y	QC,QA ⁸ – Perform ⁴	2	
B – Document acceptance or rejection of deck and deck accessories			Y	QC,QA ⁸ – Perform ⁴	2	
Table 1.2 Inspection or Execution Tasks After Deck Placement						
A – Verify compliance of deck and all deck accessories installation with construction documents			Y	QC,QA ⁸ – Perform ⁴	2	
B – Verify deck materials are represented by the mill certifications that comply with the construction documents			Y	QC ⁸ - N/A QA ⁸ -Perform ⁴	2	
C – Document acceptance or rejection of deck and deck accessories			Y	QC,QA ⁸ – Perform ⁴	2	

MATERIAL/ACTIVITY	REFERENCE SECTION	SERVICE (See Table 1 above for min qualifications)	APPLICABLE TO THIS PROJECT			
			Y/N	EXTENT	AGENT ¹	DATE COMPLETED
Table 1.3 Inspection or Execution Tasks Prior to Welding						
A – Welding procedure specifications (WPS) available			Y	QC, QA ⁸ - Observe ⁴	2	
B – Manufacturer certifications for welding consumables available			Y	QC, QA ⁸ - Observe ⁴	2	
C – Material identification (type/grade)			Y	QC, QA ⁸ - Observe ⁴	2	
D – Check welding equipment			Y	QC, QA ⁸ - Observe ⁴	2	
Table 1.4 Inspection or Execution Tasks During Welding						
A – Use of qualified welders			Y	QC, QA ⁸ - Observe ⁴	2	
B – Control and handling of welding consumables			Y	QC, QA ⁸ - Observe ⁴	2	
C – Environmental conditions (wind speed, moisture, temperature)			Y	QC, QA ⁸ - Observe ⁴	2	
D – WPS followed			Y	QC, QA ⁸ - Observe ⁴	2	
Table 1.5 Inspection or Execution Tasks After Welding						
A – Verify size and location of welds, including support, sidelap, and perimeter welds			Y	QC, QA ⁸ - Perform ⁴	2	
B – Welds meet visual acceptance criteria			Y	QC, QA ⁸ - Perform ⁴	2	
C – Verify repair activities			Y	QC, QA ⁸ - Perform ⁴	2	
D – Document acceptance or rejection of welds			Y	QC, QA ⁸ - Perform ⁴	2	
Table 1.6 Inspection or Execution Tasks Prior to Mechanical Fastening						
A – Manufacturer installation instructions available for mechanical fasteners			Y	QC, QA ⁸ - Observe ⁴	2	
B – Proper tools available for fastener installation			Y	QC, QA ⁸ - Observe ⁴	2	
C – Proper storage for mechanical fasteners			Y	QC, QA ⁸ - Observe ⁴	2	
Table 1.7 Inspection or Execution Tasks During Mechanical Fastening						
A – Fasteners are positioned as required			Y	QC, QA ⁸ - Observe ⁴	2	
B – Fasteners are installed in accordance with manufacturer's instructions			Y	QC, QA ⁸ - Observe ⁴	2	
Table 1.8 Inspection or Execution Tasks After Mechanical Fastening						
A – Check spacing, type, and installation of support fasteners			Y	QC, QA ⁸ - Perform ⁴	2	
B – Check spacing, type, and installation of sidelap fasteners			Y	QC, QA ⁸ - Perform ⁴	2	
C – Check spacing, type, and installation of perimeter fasteners			Y	QC, QA ⁸ - Perform ⁴	2	
D – Verify repair activities			Y	QC, QA ⁸ - Perform ⁴	2	
E – Document acceptance or rejection of mechanical fasteners			Y	QC, QA ⁸ - Perform ⁴	2	
1705.2.3 Open-Web Steel Joists and Joist Girders						
1. Installation	Table 1705.2.3					

MATERIAL/ACTIVITY	REFERENCE SECTION	SERVICE (See Table 1 above for min qualifications)	APPLICABLE TO THIS PROJECT			
			Y/N	EXTENT	AGENT ¹	DATE COMPLETED
a. End connections – welding or bolting	SJI specifications listed in Section 2207.1 ⁶		Y	Periodic	2	
b. Bridging – horizontal or diagonal			Y			
1. Standard bridging	SJI specifications listed in Section 2207.1 ⁶		Y	Periodic	2	
2. Bridging that differs from the SJI specifications listed in Section 2207.1.			Y	Periodic	2	
1705.2.4 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	2	
1705.3 Concrete Construction	Table 1705.3 ⁶ Note IBC References ACI 318-14 not 318-19					
1. Inspect reinforcement, including prestressing tendons, and verify placement.	ACI 318 Ch. 20, 25.2, 25.3, 26.6.1-26.6.3 IBC 1908.4	Field inspection and Shop ³ for Precast Conc	Y	Periodic	2	
2. Reinforcing bar welding:	Field inspection and Shop ³ for Precast Conc	Field inspection and Shop ³ for Precast Conc	N			
a. Verify weldability of reinforcing bars other than ASTM A706;				Periodic	2	
b. Inspect single pass fillet welds, maximum 5/16"; and				Periodic	2	
c. Inspect all other welds.				Continuous	2	
3. Inspect anchors cast in concrete.	ACI 318: 17.8.2	Field inspection	Y	Periodic	2	
4. Inspect anchors post-installed in hardened concrete members. Provide reports which include the following information: Anchor description, including adhesive product name, anchor type, nominal anchor diameter, and anchor length, Hole description, including verification of drill bit compliance with ANSI B212.15-1994, hole depth and cleanliness, Installation description, including verification of concrete strength by ASTM C42 methods and verification of anchor installation and location (spacing and edge distance) in accordance with the manufacturer's published instructions and applicable ICC ES report			Y		2	
a. Adhesive anchors installed in horizontally or upwardly inclined orientations to resist sustained tension loads (Installer and Inspector must be ACI/CRI Adhesive Anchor Installer Certified).	ACI 318:17.8.2.4	Field inspection	Y	Continuous	2	
b. Mechanical Anchors and adhesive anchors not defined in 4.a.	ACI 318: 17.8.2	Field inspection	Y	Periodic	2	
5. Verify use of approved design mix	ACI 318:Ch. 19, 26.4.3, 26.4.4 IBC 1904.1, 1904.2,	Field inspection and Shop ³ for Precast Conc	Y	Periodic	2	
6. Prior to concrete placement, fabricate specimens for strength tests, perform	ASTM C172 ASTM C31	Field inspection	Y	Continuous	2	

MATERIAL/ACTIVITY	REFERENCE SECTION	SERVICE (See Table 1 above for min qualifications)	APPLICABLE TO THIS PROJECT			
			Y/N	EXTENT	AGENT ¹	DATE COMPLETED
slump, density and air content tests, and determine temperature of the concrete.	ACI 318: 26.5, 26.12					
7. Inspect concrete placement for proper application techniques.	ACI 318: 26.5	Field inspection	Y	Continuous	2	
8. Verify maintenance of specified curing temperature and techniques including approved cold and hot weather concreting procedures.	ACI 318: 26.5.3-26.5.5	Field inspection	Y	Periodic	2	
9. Inspection of prestressed concrete for:	ACI 318: 26.10	Field inspection and Shop ³ for Precast Conc	N			
10. Inspect erection of precast concrete members.	ACI 318 Ch. 26.9	Field inspection	N	Periodic	2	
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:	ACI 318 26.13.1.3		N			
12. Inspect installation tolerances of precast concrete diaphragm connections for compliance with ACI 550.5.	ACI 318 26.13.1.3		N	Periodic	2	
13. Verify 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.	ACI 318: 26.11.2	Review field testing and laboratory systems	N	Periodic	2	
14. Inspect formwork for shape, location and dimensions of the concrete member being placed.	ACI 318: 26.11.1.2(b)	Field inspection	Y	Periodic	2	
1705.4 Masonry Construction						
Special Inspections and tests of masonry construction shall be performed in accordance with the quality assurance program requirements of TMS 402/ACI 530/ASCE 5 and TMS 602/ACI 530.1/ASCE 6.	TMS 402/ACI 530/ASCE 5, TMS 602/ACI 530.1/ASCE 6		N			
1705.5 Wood Construction						
Inspection of pre-fabricated wood structural elements and assemblies in accordance with section 1704.2.5.		In-plant review ³	N	Periodic	2	
1705.6 Soils						
1. Verify materials below shallow foundations are adequate to achieve the design bearing capacity.		Field inspection	Y	Periodic	3	
2. Verify excavations are extended to proper depth and have reached proper material.		Field inspection	Y	Periodic	3	
3. Perform classification and testing of compacted fill materials.		Field inspection	Y	Periodic	2	
4. Verify use of proper materials, densities and lift thicknesses during placement and compaction of compacted fill.		Field inspection	Y	Continuous	2	
5. Prior to placement of compacted fill, inspect subgrade and verify that site has been prepared properly.		Field inspection	Y	Periodic	3	
1705.7 Driven Deep Foundations						
1. Verify element materials, sizes and lengths comply with requirements.		Field inspection	N	Continuous	2	

MATERIAL/ACTIVITY	REFERENCE SECTION	SERVICE (See Table 1 above for min qualifications)	APPLICABLE TO THIS PROJECT			
			Y/N	EXTENT	AGENT ¹	DATE COMPLETED
1705.8 Cast-in-Place Deep Foundations						
1. Inspect drilling operations and maintain complete and accurate records for each element.		Field inspection	N	Continuous	2	
1705.9 Helical Pile Foundations						
Verify installation equipment, pile dimensions, tip elevations, final depth, final installation torque and other pertinent installation data as required.		Field inspection	N	Continuous	2	
1705.10 Structural Integrity of Deep Foundation Elements						
Whenever there is a reasonable doubt as to the structural integrity of a deep foundation element, an engineering assessment shall be required. The engineering assessment shall include tests for defects performed in accordance with ASTM D4945, ASTM D5882, ASTM D6760 or ASTM D7949, or other approved method.			N	As Required	1	
1705.12 Special Inspections for Wind Resistance (Required in wind exposure Category B, where the basic wind speed, V_{ult} , is 150 miles per hour or greater. Required in wind exposure Category C or D, where the basic wind speed, V_{ult} , is 140 miles per hour or greater)			N			
1705.13 Special Inspections for Seismic Resistance			N			
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 are not required where the fabricator is approved in accordance with IBC Section 1704.2.5.1. At completion of fabrication, approved fabricator shall submit a certificate of compliance to the owner or the owner's authorized agent for submittal to the AHJ as specified in Section 1704.5 stating that the work was performed in accordance with the approved construction documents. At completion of erection, erector shall submit a certificate of compliance to the AHJ stating that the materials supplied and work performed by the erector are in accordance with the Construction Documents.						
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 is permitted to be performed by that fabricator when approved by the AHJ and thus would not require the involvement of a third-party inspector for QA NDT inspections, refer to AISC 360, N6. The fabricator shall submit all NDT reports for review to the special inspector and AHJ.						
6. Where applicable, see also Section 1705.12, Special Inspections for Seismic resistance.						
7. Specific requirements for special inspection shall be included in the research report for the anchor used by an approved source in accordance with 17.8.2 in ACI 318, or other qualification procedures. Where specific requirements are not provided, special inspection requirement shall be specified by the registered design professional and shall be approved by the building official prior to the commencement of work.						
8. Quality Control (QC) – Controls and inspections implemented by the installer to confirm that the material provided and work performed meet the requirements of the construction documents, installation drawings, shop drawings, design documents and referenced standards. Quality Assurance (QA) – Inspection as herein required of the materials, installation, fabrication, erection or placement of components and connections, performed by an agency, individual or firm other than the installer, requiring special expertise to confirm compliance with construction documents and referenced standards.						
9. Continuous required for the first 5000 square feet (465 square meters) of AAC masonry. Periodic required after the first 5000 square feet (465 square meters) of AAC masonry.						
10. Visually inspect 100% of single-pass field fillet welds that exceed 5/16". Witness 50%. Use non-destructive testing for 25% (see project specifications for NDT options). Visually inspect 100% of single-pass field fillet welds that are 5/16" or less. Witness 10%. Use non-destructive testing when the inspector feels it is necessary to verify quality of weld.						

MATERIAL/ACTIVITY	REFERENCE SECTION	SERVICE (See Table 1 above for min qualifications)	APPLICABLE TO THIS PROJECT			
			Y/N	EXTENT	AGENT ¹	DATE COMPLETED
Where the fabricator is approved in accordance with <i>IBC Section 1704.2.5.1.</i> , NDT quality assurance inspections may not be waived unless complies with note 5 above.						

SECTION 01 4533 - CODE-REQUIRED SPECIAL INSPECTIONS AND PROCEDURES

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Code-required special inspections.
- B. Testing services incidental to special inspections.
- C. Submittals.
- D. Manufacturers' field services.
- E. Fabricators' field services.

1.2 RELATED REQUIREMENTS

- A. Section 01 3000 - Administrative Requirements: Submittal procedures.
- B. Section 01 4219 - Reference Standards.
- C. Section 01 6000 - Product Requirements: Requirements for material and product quality.

1.3 ABBREVIATIONS AND ACRONYMS

- A. AHJ: Authority having jurisdiction.
- B. IAS: International Accreditation Service, Inc.
- C. NIST: National Institute of Standards and Technology.

1.4 DEFINITIONS

- A. Code or Building Code: ICC (IBC), International Building Code, Most Recent Edition Adopted by Authority Having Jurisdiction, Including All Applicable Amendments and Supplements and specifically, Chapter 17 - Special Inspections and Tests.
- B. Authority Having Jurisdiction (AHJ): Agency or individual officially empowered to enforce the building, fire and life safety code requirements of the permitting jurisdiction in which the Project is located.
- C. Special Inspection:
 - 1. Special inspections are inspections and testing of materials, installation, fabrication, erection or placement of components and connections mandated by the AHJ that also require special expertise to ensure compliance with the approved Contract Documents and the referenced standards.
 - 2. Special inspections are separate from and independent of tests and inspections conducted by Owner or Contractor for the purposes of quality assurance and contract administration.

1.5 REFERENCE STANDARDS

- A. ASTM E329 - Standard Specification for Agencies Engaged in Construction Inspection, Testing, or Special Inspection; 2021.
- B. IAS AC89 - Accreditation Criteria for Testing Laboratories; 2018.
- C. IAS AC291 - Accreditation Criteria for Special Inspection Agencies; 2017.
- D. ICC (IBC) - International Building Code; Most Recent Edition Adopted by Authority Having Jurisdiction, Including All Applicable Amendments and Supplements.

1.6 SUBMITTALS

- A. See Section 01 3000 - Administrative Requirements, for submittal procedures.
- B. Special Inspection Agency Qualifications: Prior to the start of work, the Special Inspection Agency is required to:
 - 1. Submit agency name, address, and telephone number, names of full time registered Engineer and responsible officer.
 - 2. Submit copy of report of laboratory facilities inspection made by NIST Construction Materials Reference Laboratory during most recent inspection, with memorandum of remedies of any deficiencies reported by the inspection.
 - 3. Submit certification that Special Inspection Agency is acceptable to AHJ.
 - 4. Submit documentation that Special Inspection Agency is accredited by IAS according to IAS AC291.
- C. Testing Agency Qualifications: Prior to the start of work, the Testing Agency is required to:
 - 1. Submit agency name, address, and telephone number, and names of full time registered Engineer and responsible officer.
 - 2. Submit copy of report of laboratory facilities inspection made by NIST Construction Materials Reference Laboratory during most recent inspection, with memorandum of remedies of any deficiencies reported by the inspection.
 - 3. Submit certification that Testing Agency is acceptable to AHJ.
 - 4. Submit documentation that Testing Agency is accredited by IAS according to IAS AC89.
- D. Special Inspection Reports: After each special inspection, Special Inspector is required to promptly submit at least two copies of report; one to Architect and one to the AHJ.
 - 1. Include:
 - a) Date issued.
 - b) Project title and number.
 - c) Name of Special Inspector.
 - d) Date and time of special inspection.
 - e) Identification of product and specifications section.
 - f) Location in the Project.
 - g) Type of special inspection.
 - h) Date of special inspection.
 - i) Results of special inspection.
 - j) Compliance with Contract Documents.

- E. Test Reports: After each test or inspection, promptly submit at least two copies of report; one to Architect and one to AHJ.
 - 1. Include:
 - a) Date issued.
 - b) Project title and number.
 - c) Name of inspector.
 - d) Date and time of sampling or inspection.
 - e) Identification of product and specifications section.
 - f) Location in the Project.
 - g) Type of test or inspection.
 - h) Date of test or inspection.
 - i) Results of test or inspection.
 - j) Compliance with Contract Documents.
- F. Certificates: When specified in individual special inspection requirements, Special Inspector shall submit certification by the manufacturer, fabricator, and installation subcontractor to Architect and AHJ, in quantities specified for Product Data.
 - 1. Indicate material or product complies with or exceeds specified requirements. Submit supporting reference data, affidavits, and certifications as appropriate.

1.7 SPECIAL INSPECTION AGENCY

- A. Owner will employ services of a Special Inspection Agency to perform inspections and associated testing and sampling in accordance with ASTM E329 and required by the building code.
- B. Employment of agency in no way relieves Contractor of obligation to perform work in accordance with requirements of Contract Documents.

1.8 TESTING AND INSPECTION AGENCIES

- A. Owner may employ services of an independent testing agency to perform additional testing and sampling associated with special inspections but not required by the building code.
- B. Employment of agency in no way relieves Contractor of obligation to perform work in accordance with requirements of Contract Documents.

1.9 QUALITY ASSURANCE

- A. Special Inspection Agency Qualifications:
 - 1. Independent firm specializing in performing testing and inspections of the type specified in this section.
 - 2. Accredited by IAS according to IAS AC291.
- B. Testing Agency Qualifications:
 - 1. Independent firm specializing in performing testing and inspections of the type specified in this section.
 - 2. Accredited by IAS according to IAS AC89.

PART 2 PRODUCTS - NOT USED

PART 3 EXECUTION

3.1 SCHEDULE OF SPECIAL INSPECTIONS, GENERAL

- A. Frequency of Special Inspections: Special Inspections are indicated as continuous or periodic.
 - 1. Continuous Special Inspection: Special Inspection Agency is required to be present in the area where the work is being performed and observe the work at all times the work is in progress.
 - 2. Periodic Special Inspection: Special Inspection Agency is required to be present in the area where work is being performed and observe the work part-time or intermittently and at the completion of the work.

3.2 TESTING AGENCY DUTIES AND RESPONSIBILITIES

- A. Testing Agency Duties:
 - 1. Provide qualified personnel at site. Cooperate with Architect and Contractor in performance of services.
 - 2. Perform specified sampling and testing of products in accordance with specified standards.
 - 3. Ascertain compliance of materials and mixes with requirements of Contract Documents.
 - 4. Promptly notify Architect and Contractor of observed irregularities or non-compliance of work or products.
 - 5. Perform additional tests and inspections required by Architect.
 - 6. Submit reports of all tests or inspections specified.
- B. Limits on Testing or Inspection Agency Authority:
 - 1. Agency may not release, revoke, alter, or enlarge on requirements of Contract Documents.
 - 2. Agency may not approve or accept any portion of the work.
 - 3. Agency may not assume any duties of Contractor.
 - 4. Agency has no authority to stop the work.
- C. On instructions by Architect, perform re-testing required because of non-compliance with specified requirements, using the same agency.
- D. Contractor will pay for re-testing required because of non-compliance with specified requirements.

3.3 CONTRACTOR DUTIES AND RESPONSIBILITIES

- A. Contractor Responsibilities, General:
 - 1. Deliver to agency at designated location, adequate samples of materials for special inspections that require material verification.
 - 2. Cooperate with agency and laboratory personnel; provide access to approved documents at project site, to the work, to manufacturers' facilities, and to fabricators' facilities.
 - 3. Provide incidental labor and facilities:
 - a) To provide access to work to be tested or inspected.

- b) To obtain and handle samples at the site or at source of Products to be tested or inspected.
 - c) To facilitate tests or inspections.
 - d) To provide storage and curing of test samples.
 - 4. Notify Architect and laboratory 24 hours prior to expected time for operations requiring testing or inspection services.
 - 5. Arrange with Owner's agency and pay for additional samples, tests, and inspections required by Contractor beyond specified requirements.
- B. Contractor Responsibilities, Seismic Force-Resisting System, Designated Seismic System, and Seismic Force-Resisting Component: Submit written statement of responsibility for each item listed in the Statement of Special Inspections to AHJ and Owner prior to starting work. Statement of responsibility shall acknowledge awareness of special construction requirements and other requirements listed.
- C. Contractor Responsibilities, Wind Force-Resisting System and Wind Force-Resisting Component: Submit written statement of responsibility for each item listed in the Statement of Special Inspections to AHJ and Owner prior to starting work. Statement of responsibility shall acknowledge awareness of special construction requirements and other requirements listed.

3.4 MANUFACTURERS' AND FABRICATORS' FIELD SERVICES

- A. When specified in individual specification sections, require material suppliers, assembly fabricators, or product manufacturers to provide qualified staff personnel to observe site conditions, conditions of surfaces and installation, quality of workmanship, start-up of equipment, to test, adjust, and balance equipment as applicable, and to initiate instructions when necessary.
- B. Report observations and site decisions or instructions given to applicators or installers that are supplemental or contrary to manufacturers' written instructions.

END OF SECTION 01 4533

EXHIBIT C

Insurance Requirement Sheet

Insurance Requirements: Before starting and until final completion and acceptance of the work called for in the Contract and expiration of the guarantee period provided for in the Contract, the Contractor and its subcontractors, if any, shall procure and maintain insurance of the types and amounts checked in paragraphs A through F below for all Contract operations.

- ☒ **General Liability, with minimum coverages for combined bodily injury and property damage liability of \$2,000,000 general aggregate, \$1,000,000 per occurrence including:**
- ☒ 1. **Commercial General Liability.**
 - ☒ 2. **Town of Greenwich, Central Middle School Building Committee and The Board of Education as additional insured.**
 - ☐ 3. **Owners and Contractors Protective Liability (separate policy in the name of the Town).**
- ☒ **Comprehensive Automobile Liability, with minimum coverages of \$1,000,000 combined single limit for bodily injury and property damage, including, where applicable, coverage for any vehicle, all owned vehicles, scheduled vehicles, hired vehicles, non-owned vehicles and garage liability.**
- ☒ **Excess Liability, with minimum coverage of \$5,000,000 in umbrella form, or such other form as approved by Town Department Head and Risk Management Director.**
- ☒ **Workers' Compensation and Employer's Liability, with minimum coverages as provided by Connecticut State Statutes.**
- ☒ **Professional Liability (for design and other professionals for Errors and Omissions), with minimum coverage of \$2,000,000. If the policy is on a claims-made basis, coverage shall be continually renewed or extended for three (3) years after work is completed under the Contract.**
- ☐ **Other (Builder's Risk, etc.): _____.**
- ☒ **CERTIFICATE HOLDER: The Town of Greenwich, The Central Middle School Building Committee and the Greenwich Board of Education. (Also fill in on ACORD Certificate of Insurance)
101 Field Point Road, Greenwich, CT 06830.**

The Acord certificate of insurance form must be executed by your insurance agent/broker and returned to this office. The most current Acord form should be used for insurance documentation purposes. Company name and address must conform on all documents including insurance documentation. It is required that the agent/broker note the individual insurance companies providing coverage, rather than the insurance group, on the Acord form. The Contract number (provided to the awarded Contractor), project name and a brief description must be inserted in the "Description of Operations" field. It must be confirmed on the Acord Form that The Town of Greenwich, The Central Middle School Building Committee and the Greenwich Board of Education is endorsed as an additional insured by having the appropriate box checked off and stating such in the "Description of Operations" field. A letter from the awarded vendor's agent/broker certifying that the Town of Greenwich, The Central Middle School Building Committee and the Greenwich Board of Education has been endorsed onto the general liability policy as an additional insured is also mandatory. This letter must follow exactly the format provided by the Purchasing Department and must be signed by the same individual authorized representative who signed the Acord form, both of which must be signed with original ink "wet" signatures. If the insurance coverage required is provided on more than one Acord certificate of insurance, then additional agent/broker letters are also required. Contract development will begin upon receipt of complete, correct insurance documentation.

The Contractor shall be responsible for maintaining the above insurance coverages in force to secure all of the Contractor's obligations under the Contract with an insurance company or companies with an AM Best Rating of A: VII or better, licensed to write such insurance in Connecticut and acceptable to the Risk Manager, Town of Greenwich. For excess liability only, non-admitted insurers are acceptable, provided they are permitted to do business through Connecticut excess line brokers per listing on the current list of Licensed Insurance Companies, Approved Reinsurers, Surplus Lines Insurers and Risk Retention Groups issued by the State of Connecticut Insurance Department.

(SAMPLE ENDORSEMENT LETTER)

**AGENT/BROKER
(LETTERHEAD)**

(Date)

Eugene H. Watts, Senior Buyer
Purchasing Department
Town of Greenwich/Board of Education
290 Greenwich Avenue – Havemeyer Building
Greenwich, CT 06830

Re: The Town of Greenwich, The Central Middle School Building Committee and the Greenwich Board of Education / Owner's Representative / Contract #

Dear Mr. Watts:

The undersigned hereby certifies as follows:

- (1) I am a duly licensed insurance agent under the laws of the State of **[insert State]** and an authorized representative of all companies affording coverage under the Acord form submitted herewith;
- (2) **The Town of Greenwich, The Central Middle School Building Committee and the Greenwich Board of Education** has been endorsed as an additional insured under the general liability policy no. [insert policy number], issued by **[insert company affording coverage]** to **[name of insured]**;
- (3) The general liability policy referenced in paragraph (2) above meets or exceeds the coverage in Commercial General Liability ISO form CG 00 01 10 01, including contractual liability;
- (4) The policies listed in the Acord form submitted to the Town of Greenwich in connection with the above-referenced contract have been issued to the insured in the amounts stated and for the periods indicated in the Acord form; and
- (5) The Town of Greenwich shall be given thirty (30) days prior written notice of cancellation, lapse or restrictive amendment (except ten days notice of nonpayment) of the policies listed in the Acord form.

Sincerely,

Authorized Representative for all companies listed in the Acord form

ACORD**CERTIFICATE OF LIABILITY INSURANCE**

PRODUCER	THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER, THIS CERTIFICATE DOES NOT AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW.
	INSUREERS AFFORDING COVERAGE
INSURED	INSURER A:
	INSURER B:
	INSURER C:
	INSURER D:
	INSURER E:

COVERAGES

THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED, NOTWITHSTANDING ANY REQUIREMENT, TERM OF CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INS R	TYPE OF INSURANCE	POLICY NUMBER	POLICY EFFECTIVE DATE(MM/DD/YY)	POLICY EXPIRATION DATE(MM/DD/YY)	LIMITS			
	GENERAL LIABILITY COMMERCIAL GENERAL LIABILITY ☐ CLAIMS MADE ☒ OCCUR ☐ _____ ☐ _____ GENERAL AGGREGATE LIMIT APPLIES PER: ☐ POLICY ☐ PROJECT ☐ LOC				EACH OCCURENCE			
					FIRE DAMAGE (Any one fire)			
					MED EXP (Any one person)			
					PERSONAL & ADV INJURY			
					GENERAL AGGRREGATE			
					PRODUCTS-COMP/OP AGG			
	AUTOMOBILE LIABILITY ☐ ANY AUTO ALL OWNED AUTOS ☐ SCHEDULED AUTOS HIRED AUTOS NON-OWNED AUTOS ☐ _____ ☐ _____				COMBINED SINGLE LIMIT (Ea accident)			
					BODILY INJURY (Per person)			
					BODILY INJURY (Per accident)			
					PROPERTY DAMAGE (Per accident)			
	GARAGE LIABILITY ☐ ANY AUTO ☐ _____				AUTO ONLY-EA ACCIDENT			
					OTHER THAN EA ACC			
					AUTO ONLY: AGG			
	EXCESS LIABILITY ☐ OCCUR ☐ CLAIMS MADE ☐ DEDUCTIBLE ☐ RETENTION \$				EACH OCCURENCE			
					AGGREGATE			
	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY				<table border="1"> <tr> <td>WC STATU- TORY LIMITS</td> <td></td> <td>OTHER</td> </tr> </table>	WC STATU- TORY LIMITS		OTHER
					WC STATU- TORY LIMITS		OTHER	
					E.L. EACH ACCIDENT			
					E.L. DISEASE-EA EMPLOYEE			
					E.L. DISEASE - POLICY LIMIT			
	Professional Liability							

DESCRIPTION OF OPERATIONS/LOCATIONS/VEHICLES/EXCLUSIONS ADDED BY ENDORSEMENT/SPECIAL PROVISIONS Additional Insured: The Town of Greenwich, The Central Middle School Building Committee and the Greenwich Board of Education are named as additional insured for Contract # ____ It is agreed by both parties to Contract No ____ that the Company's insurance will be primary and non-contributory

CERTIFICATE HOLDER	☒ ADDITIONAL INSURED; INSURER LETTER: ____	CANCELLATION
Certificate Holder: Town of Greenwich, Central Middle School Building Committee and The Board of Education 101 Field Point Road Greenwich, CT 06830		SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, THE ISSUING COMPANY WILL ENDEAVOR TO MAIL 30 DAYS WRITTEN NOTICE TO THE CERTIFICATE HOLDER NAMED TO THE LEFT, BUT FAILURE TO DO SO SHALL IMPOSE NO OBLIGATION OR LIABILITY OF ANY KIND UPON THE INSURER, ITS AGENTS OF REPRESENTATIONS AUTHORIZED REPRESETNATIVE

Greenwich Public Schools
c/o Central Greenwich Middle School Building Committee
Proposal Form: Special Inspection Structural Services / Rates
Greenwich Central Middle School

Date: _____
Company Name: _____
Authorized Representative: _____

Exhibit E: Schedule of Special Inspections Monthly Lump Sum Fee

YEAR/ MONTH	MONTHLY LUMP SUM (\$)	COMMENTS
2025		
January		
February		
March		
April		
May		
June		
July		
August		
September		
October		
November		
December		
2026		
January		
February		
March		
April		
May		
June		
July		
August		
September		
October		
November		
December		
2027		
January		
PROJECT TOTAL LUMP SUM		

Greenwich Public Schools
c/o Central Greenwich Middle School Building Committee
Proposal Form: Special Inspection Architectural Services / Rates
Greenwich Central Middle School

Date: _____
Company Name: _____
Authorized Representative: _____

Exhibit F: Schedule of Special Inspections Architectural Fees

ITEM	RATE (\$)	UNIT	COMMENTS
1705.12 Wind-Resisting Components			
Fastening of roof covering, roof deck and roof framing connections.			
Fastening of exterior wall covering and wall connections to roof and floor diaphragms and framing			
1705.13.4 Designated Seismic Systems Verification			
Inspect and verify that the component label, anchorage or mounting conforms to the certificate of compliance in accordance with			
Section 1705.14.3			
1705.13.5 Architectural Components Special Inspections for Seismic Resistance			
Inspection during the erection and fastening of exterior cladding and interior and exterior veneer			
Inspection during the erection and fastening of interior and exterior nonbearing walls			
Inspection during anchorage of access floors			
1705.13.7 Storage Racks Special Inspections for Seismic Resistance			
Inspection during the anchorage of storage racks 8 feet or greater in height			
1705.14.2 Seismic Certification of Nonstructural Components (Seismic Design Category B, C, D, E, or F, and ASCE 7, Section 13.2.1)			
Review certificate of compliance for nonstructural components, supports and/or attachments			
1705.14.3 Designated Seismic Systems (Seismic Design Category C, D, E, or F and ASCE 7, Section 13.2.2)			
Review certificate of compliance for designated seismic system components			
1705.15 Sprayed Fire-resistant Materials			
Verify surface condition preparation of structural members			
Verify application of sprayed fire-resistant materials			
Verify average thickness of sprayed fire-resistant materials applied to structural members			
Verify density of the sprayed fire-resistant material complies with approved fire-resistant design			
Verify surface condition preparation of structural members			
Verify application of sprayed fire-resistant materials			
Verify the cohesive/adhesive bond strength of the cured sprayed fire-resistant material			

ITEM	RATE (\$)	UNIT	COMMENTS
1705.16 Mastic and Intumescent Fire- Resistant Coatings			
Inspect and test mastic and intumescent fire-resistant coatings applied to structural elements and decks in accordance with AWCI 12-B			
1705.17 Exterior Insulation and Finish Systems (EIFS)			
Verify materials, details and installations are per the approved construction documents			
Inspection of water-resistive barrier over sheathing substrate			
1705.18 Fire-Resistant Penetrations and Joints			
Inspect penetration firestop systems			
Inspect fire-resistant joint systems			
Inspect perimeter fire barrier systems			
1705.20 Sealing of Mass Timber			
Inspect sealants and adhesives			

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 <i>Section 1704.2.5</i> are not required where the fabricator is approved in accordance with <i>IBC Section 1704.2.5.1</i> .
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 <i>AISC 360, N7</i> .
6. Where applicable, see also <i>Section 1705.12</i> , Special Inspections for Seismic resistance.
7. Specific requirements for special inspection shall be included in the research report for the anchor used by an approved source in accordance with <i>17.8.2 in ACI 318</i> , or other qualification procedures. Where specific requirements are not provided, special inspection requirement shall be specified by the registered design professional and shall be approved by the building official prior to the commencement of work.
8. Quality Control (QC) – Controls and inspections implemented by the installer to confirm that the material provided, and work performed meet the requirements of the construction documents, installation drawings, shop drawings, design documents and referenced standards. Quality Assurance (QA) – Inspection as herein required of the materials, installation, fabrication, erection or placement of components and connections, performed by an agency, individual or firm other than the installer, requiring special expertise to confirm compliance with construction documents and referenced standards.
9. Continuous required for the first 5000 square feet (465 square meters) of AAC masonry. Periodic required after the first 5000 square feet (465 square meters) of AAC masonry.

Greenwich Public Schools
c/o Central Greenwich Middle School Building Committee
Proposal Form: Special Inspection Structural Services / Rates
Greenwich Central Middle School

Date: _____
Company Name: _____
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Exhibit G: Schedule of Special Inspections Structural Fees

ITEM	RATE (\$)	UNIT	COMMENTS
1704.2.5 Inspection of Fabricated			
Verify fabrication / quality control procedures			
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)			
1705.2.1 Steel Construction			
Fabricator and erector documents (Verify reports and certificates as listed in AISC 360, Chapter N3.2 for compliance with construction documents.)			
Material verification of structural steel			
Embedments (Verify diameter, grade, type, length, embedment.			
Verify member locations, braces, stiffeners and application of joint details at each connection comply with construction documents.			
Structural steel welding:			
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)			
Inspection tasks during welding (Observe or perform for each welded point or member, the QA tasks listed in AISC 360, Table N5.4-3)			
Inspection tasks after welding (Observe or perform for each welded point or member, the QA tasks listed in AISC 360, Table N5.4-3)			
Nondestructive testing (NDT) of welded joints: see Commentary			
Complete penetration groove welds 5/16" or greater			
Thermally cut surfaces of access holes			
Welded joints subject to fatigue when required by AISC 360, Appendix 3, Table A-3.1			
Fabricator NDT reports when fabricator performs NDT5, 10			
Structural Steel Bolting:			
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)			
Inspection tasks during bolting (Observe the QA tasks listed in AISC 360, Table N5.6-2)			
Pre-tensioned and slip-critical joints			
Turn-of-nut with matching markings			

ITEM	RATE (\$)	UNIT	COMMENTS
Calibrated wrench			
Snug-tight joints			
Inspection of steel elements of composite construction prior to concrete placement.			
Placement and installation of steel deck			
Placement and installation of steel headed stud anchors			
Document acceptance or rejection of steel elements			
1705.2.2 Cold-formed Steel Deck			
Special Inspections and qualification of welding special inspectors for cold-formed steel floor and roof deck shall be in accordance with the quality assurance inspection requirements of SDI QA/QC.			
Table 1.1 Inspection or Execution Tasks Prior to Deck Placement			
A – Verify compliance of materials (deck and all deck accessories) with construction documents, including profiles, material properties, and base metal thickness			
B – Document acceptance or rejection of deck and deck accessories			
Table 1.2 Inspection or Execution Tasks After Deck Placement			
A – Verify compliance of deck and all deck accessories installation with construction documents			
B – Verify deck materials are represented by the mill certifications that comply with the construction documents			
C – Document acceptance or rejection of deck and deck accessories			
Table 1.3 Inspection or Execution Tasks Prior to Welding			
A – Welding procedure specifications (WPS) available			
B – Manufacturer certifications for welding consumables available			
C – Material identification (type/grade)			
D – Check welding equipment			
Table 1.4 Inspection or Execution Tasks During Welding			
A – Use of qualified welders			
B – Control and handling of welding consumables			
C – Environmental conditions (wind speed, moisture, temperature)			
D – WPS followed			
Table 1.5 Inspection or Execution Tasks After Welding			
A – Verify size and location of welds, including support, sidelap, and perimeter welds			
B – Welds meet visual acceptance criteria			
C – Verify repair activities			
D – Document acceptance or rejection of welds			
Table 1.6 Inspection or Execution Tasks Prior to Mechanical Fastening			
A – Manufacturer installation instructions available for mechanical fasteners			
B – Proper tools available for fastener installation			
C – Proper storage for mechanical fasteners			

ITEM	RATE (\$)	UNIT	COMMENTS
Table 1.7 Inspection or Execution Tasks During Mechanical Fastening			
A – Fasteners are positioned as required			
B – Fasteners are installed in accordance with manufacturer's instructions			
Table 1.8 Inspection or Execution Tasks After Mechanical Fastening			
A – Check spacing, type, and installation of support fasteners			
B – Check spacing, type, and installation of sidelap fasteners			
C – Check spacing, type, and installation of perimeter fasteners			
D – Verify repair activities			
E – Document acceptance or rejection of mechanical fasteners			
1705.2.3 Open-Web Steel Joists and Joist Girders			
1. Installation			
a. End connections – welding or bolting			
b. Bridging – horizontal or diagonal			
1. Standard bridging			
2. Bridging that differs from the SJI specifications listed in Section 2207.1.			
1705.2.4 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			
1705.3 Concrete Construction			
1. Inspect reinforcement, including prestressing tendons, and verify placement.			
2. Reinforcing bar welding:			
a. Verify weldability of reinforcing bars other than ASTM A706;			
b. Inspect single pass fillet welds, maximum 5/16"; and			
c. Inspect all other welds.			
3. Inspect anchors cast in concrete.			
4. Inspect anchors post-installed in hardened concrete members. Provide reports which include the following information: Anchor description, including adhesive product name, anchor type, nominal anchor diameter, and anchor length, Hole description, including verification of drill bit compliance with ANSI B212.15-1994, hole depth and cleanliness, Installation description, including verification of concrete strength by ASTM C42 methods and verification of anchor installation and location (spacing and edge distance) in accordance with the manufacturer's published instructions and applicable ICC ES report			

ITEM	RATE (\$)	UNIT	COMMENTS
a. Adhesive anchors installed in horizontally or upwardly inclined orientations to resist sustained tension loads (Installer and Inspector must be ACI/CRI Adhesive Anchor Installer Certified).			
b. Mechanical Anchors and adhesive anchors not defined in 4.a.			
5. Verify use of approved design mix			
6. Prior to concrete placement, fabricate specimens for strength tests, perform			
slump, density and air content tests, and determine temperature of the concrete.			
7. Inspect concrete placement for proper application techniques.			
8. Verify maintenance of specified curing temperature and techniques including approved cold and hot weather concreting procedures.			
9. Inspection of prestressed concrete for:			
10. Inspect erection of precast concrete members.			
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:			
12. Inspect installation tolerances of precast concrete diaphragm connections for compliance with ACI 550.5.			
13. Verify 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.			
14. Inspect formwork for shape, location and dimensions of the concrete member being placed.			
1705.4 Masonry Construction			
Special Inspections and tests of masonry construction shall be performed in accordance with the quality assurance program requirements of TMS 402/ACI 530/ASCE 5 and TMS 602/ACI 530.1/ASCE 6.			
1705.5 Wood Construction			
Inspection of pre-fabricated wood structural elements and assemblies in accordance with section 1704.2.5.			
1705.6 Soils			
1. Verify materials below shallow foundations are adequate to achieve the design bearing capacity.			
2. Verify excavations are extended to proper depth and have reached proper material.			
3. Perform classification and testing of compacted fill materials.			
4. Verify use of proper materials, densities and lift thicknesses during placement and compaction of compacted fill.			
5. Prior to placement of compacted fill, inspect subgrade and verify that site has been prepared properly.			
1705.7 Driven Deep Foundations			
1. Verify element materials, sizes and lengths comply with requirements.			

ITEM	RATE (\$)	UNIT	COMMENTS
slump, density and air content tests, and determine temperature of the concrete.			
7. Inspect concrete placement for proper application techniques.			
8. Verify maintenance of specified curing temperature and techniques including approved cold and hot weather concreting procedures.			
9. Inspection of prestressed concrete for:			
10. Inspect erection of precast concrete members.			
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8. Verify maintenance of specified curing temperature and techniques including approved cold and hot weather concreting procedures.			
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Inspection of pre-fabricated wood structural elements and assemblies in accordance with section 1704.2.5.			
1705.6 Soils			
1. Verify materials below shallow foundations are adequate to achieve the design bearing capacity.			
2. Verify excavations are extended to proper depth and have reached proper material.			

ITEM	RATE (\$)	UNIT	COMMENTS
3. Perform classification and testing of compacted fill materials.			
4. Verify use of proper materials, densities and lift thicknesses during placement and compaction of compacted fill.			
5. Prior to placement of compacted fill, inspect subgrade and verify that site has been prepared properly.			
1705.7 Driven Deep Foundations			
1. Verify element materials, sizes and lengths comply with requirements.			
1705.9 Helical Pile Foundations			
Verify installation equipment, pile dimensions, tip elevations, final depth, final installation torque and other pertinent installation data as required.			
1705.10 Structural Integrity of Deep Foundation Elements			
Whenever there is a reasonable doubt as to the structural integrity of a deep foundation element, an engineering assessment shall be required. The engineering assessment shall include tests for defects performed in accordance with ASTM D4945, ASTM D5882, ASTM D6760 or ASTM D7949, or other approved method.			
1705.12 Special Inspections for Wind Resistance (Required in wind exposure Category B, where the basic wind speed, Vult, is 150 miles per hour or greater. Required in wind exposure Category C or D, where the basic wind speed, Vult, is 140 miles per hour or greater)			
1705.13 Special Inspections for Seismic Resistance			
1705.8 Cast-in-Place Deep Foundations			
1. Inspect drilling operations and maintain complete and accurate records for each element.			
1705.9 Helical Pile Foundations			
Verify installation equipment, pile dimensions, tip elevations, final depth, final installation torque and other pertinent installation data as required.			
1705.10 Structural Integrity of Deep Foundation Elements			
Whenever there is a reasonable doubt as to the structural integrity of a deep foundation element, an engineering assessment shall be required. The engineering assessment shall include tests for defects performed in accordance with ASTM D4945, ASTM D5882, ASTM D6760 or ASTM D7949, or other approved method.			

ITEM	RATE (\$)	UNIT	COMMENTS
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1705.13 Special Inspections for Seismic Resistance			

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 <i>Section 1704.2.5</i> are not required where the fabricator is approved in accordance with <i>IBC Section 1704.2.5.1</i> . <i>At completion of fabrication, approved fabricated shall submit a certificate of compliance to the owner or the owner's authorized agent for submittal to the AHJ as specified in Section 1704.5 stating that the work was performed in accordance with the approved construction documents. At completion of erection, erector shall submit a certificate of compliance to the AHJ stating that the materials supplied, and work performed by the erector are in accordance with the Construction Documents.</i>
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 is permitted to be performed by that fabricator <u>when</u> approved by the AHJ and thus would not require the involvement of a third-party inspector for QA NDT inspections, refer to <i>AISC 360, N6</i> . The fabricator shall submit all NDT reports for review to the special inspector and AHJ.
6. Where applicable, see also <i>Section 1705.12</i> , Special Inspections for Seismic resistance.
7. Specific requirements for special inspection shall be included in the research report for the anchor used by an approved source in accordance with <i>17.8.2 in ACI 318</i> , or other qualification procedures. Where specific requirements are not provided, special inspection requirement shall be specified by the registered design professional and shall be approve by the building official prior to the commencement of work.
8. Quality Control (QC) – Controls and inspections implemented by the installer to confirm that the material provided, and work performed meet the requirements of the construction documents, installation drawings, shop drawings, design documents and referenced standards. Quality Assurance (QA) – Inspection as herein required of the materials, installation, fabrication, erection or placement of components and connections, performed by an agency, individual or firm other than the installer, requiring special expertise to confirm compliance with construction documents and referenced standards.
9. Continuous required for the first 5000 square feet (465 square meters) of AAC masonry. Periodic required after the first 5000 square feet (465 square meters) of AAC masonry.
10. Visually inspect 100% of single-pass field fillet welds that exceed 5/16". Witness 50%. Use non-destructive testing for 25% (see project specifications for NDT options). Visually inspect 100% of single-pass field fillet welds that are 5/16" or less. Witness 10%. Use non-destructive testing when the inspector feels it is necessary to verify quality of weld.