Statement of Structural Tests and Special Inspections

National Park Service (NPS) - Denver Service Center (DSC) | 6-29-21

Park: **GLBA**

Project Management Information System (PMIS) Number: **307989A**

Project Name: **Rehab Water Service Lines at Bartlett Cove Housing**

Structural Engineering Firm: N/A (No structural engineering involved in project)

This Statement of Structural Tests and Special Inspections is being submitted as required by Chapter 17 of the **2021 International Building Code** (IBC-21). It includes the following:

1. Seismic requirements
2. Wind requirements
3. Qualification Requirements for Inspectors and Testing Technicians
4. Listing of Required Structural Tests and Special Inspections

The Construction Contractor's Quality Control Supervisor will provide copies of all special inspection reports and associated documentation to the Contracting Officer (CO). The Construction Contractor will be required to correct all deficiencies discovered in the Special Inspection and Structural Testing program.

Prepared By: Brendan Elkins, PE
(Type or print name)

Signature: _____ Date: 3.07.2025

Stamped by Professional Engineer (PE) or Structural Engineer (SE)

Seismic and Wind Requirements

Seismic Requirements, IBC-21 Section 1704.3

Description of seismic-force-resisting system and designated seismic systems subject to special inspections:

N/A

Wind Requirements, IBC-21 Section 1704.3

Description of wind-force-resisting system and designated wind systems subject to special inspections:

N/A

Instructions:

1. Under Listing of Required Structural Tests and Special Inspections:
    a. **Required?** - Place an **X** for all Special Inspections and Tests required for this project.
    b. **Required Qualifications** - Provide qualifications for the special inspector, using the Qualification Requirements for Inspector and Testing Technicians list below, for all required Structural Tests and Special Inspections.
    c. **Continuous** - If marked with an **X**, continuous special inspection shall be as defined in Chapter 2, IBC-21.
    d. **Periodic** - If marked with an **X**, provide the minimum number of tests, i.e. 20% of all field welds, or the amount of work to be inspected (e.g. 10% of all wall surfaces).
2. Attach completed Statement of Structural Tests and Special Inspections to the end of NPS DSC Division 1 Specifications **Section 01 40 00 Quality Requirements**.

Qualification Requirements for Inspectors and Testing Technicians

PE/SE	Structural Engineer – licensed PE or SE specializing in the design of buildings and structures
PE/GE	Geotechnical Engineer – licensed PE specializing in soil mechanics and foundations
EIT	Engineer-In-Training – graduate engineer who has passed the Fundamentals of engineering examination

American Concrete Institute (ACI) Certification

ACI-CCSI	Concrete Construction Special Inspector
ACI-LTT	Concrete Laboratory Testing Technician Level 1 or 2
ACI-STT	Concrete Strength Testing Technician
ACI-FTT	Concrete Field Testing Technician – Grade I

American Society of Non-Destructive Testing (ASNT) Certification

Non-Destructive Testing Technician – Level II or III

American Welding Society (AWS) Certification

AWS-CWI	Certified Welding Inspector

Exterior Design Institute (EDI) Certification

EDI-EIFS	Certified EIFS inspector

International Code Council (ICC) Certification

ICC-PCSI	Prestressed Concrete Special Inspector
ICC-RCSI	Reinforced Concrete Special Inspector
ICC-SSI	Soils Special Inspector
ICC-SFSI	Spray-applied Fireproofing Special Inspector
ICC-SMSI	Structural Masonry Special Inspector
ICC-SSBSI	Structural Steel and Bolting Special Inspector
ICC-SWSI	Structural Welding Special Inspector

National Institute for Certification in Engineering Technologies (NICET) Certification

NICET-CT	Concrete Technician – Levels I, II, III and IV
NICET-GET	Geotechnical Engineering Technician - Levels I, II, III and IV
NICET-ST	Soils Technician - Levels I, II, III and IV

Other

Listing of Required Structural Tests and Special Inspections

Required?	Structural Test or Special Inspection	Required Qualifications	Continuous	Periodic	Frequency of Periodic Test or Inspection
	Steel Construction (IBC-21 Section 1705.2; American Institute of Steel Construction: AISC 360-16 Chapter N, AISC 341-16 Chapter J)				
	Prior to Welding (AISC 360-16 Table N5.4-1)				
No	1. Welder qualification records and continuity records				
No	2. Welding procedure specifications (WPS) available				
No	3. Manufacturer certifications for welding consumables available				
No	4. Material identification (type/grade)				
No	5. Welder identification system				
No	6. Fit-up of groove welds (including joint geometry)				
No	a. Joint preparation				
No	b. Dimensions (alignment, root opening, root face, bevel)				
No	c. Cleanliness (condition of steel surfaces)				
No	d. Tacking (tack weld quality and location)				
No	e. Backing type and fit (if applicable)				
No	7. Fit-up of CJP (complete joist penetration) groove welds of HSS (hollow structural sections) T-, Y- and K-joints without backing (including joint geometry)				
No	a. Joint preparation				
No	b. Dimensions (alignment, root opening, root face, bevel)				
No	c. Cleanliness (condition of steel surfaces)				
No	d. Tacking (tack weld quality and location)				

Required?	Structural Test or Special Inspection	Required Qualifications	Continuous	Periodic	Frequency of Periodic Test or Inspection
No	8. Configuration and finish of access holes				
No	9. Fit-up of fillet welds				
No	a. Dimensions (alignment, gaps at root)				
No	b. Cleanliness (condition of steel surfaces)				
No	c. Tacking (tack weld quality and location)				
No	10. Check welding equipment				
	During Welding (AISC 360-16 Table N5.4-2)				
No	1. Control and handling of welding consumables				
No	a. Packaging				
No	b. Exposure control				
No	2. No welding over cracked tack welds				
No	3. Environmental conditions				
No	a. Wind speed within limits				
No	b. Precipitation and temperature				
No	4. WPS followed				
No	a. Settings on welding equipment				
No	b. Travel speed				
No	c. Selected welding materials				
No	d. Shielding gas type/flow rate				
No	e. Preheat applied				
No	f. Interpass temperature maintained (minimum/maximum)				
No	g. Proper position (F, V, H, OH)				

Required?	Structural Test or Special Inspection	Required Qualifications	Continuous	Periodic	Frequency of Periodic Test or Inspection
No	h. Intermix of filler metals avoided unless approved (reference: AISC 341-10 Table J6.2)				
No	5. Use of qualified welders				
No	6. Welding techniques				
No	a. Interpass and final cleaning				
No	b. Each pass within profile limitations				
No	c. Each pass meets quality requirements				
No	7. Placement and installation of headed stud anchors				
	After Welding (AISC 360-16 Table N5.4-3)				
No	1. Welds cleaned				
No	2. Size, length and location of welds				
No	3. Welds meet visual acceptance criteria				
No	a. Crack prohibition				
No	b. Weld/base-metal fusion				
No	c. Crater cross section				
No	d. Weld profiles				
No	e. Weld size				
No	f. Undercut				
No	g. Porosity				
No	4. Arc strikes				
No	5. k-area				
No	6. Weld access holes in rolled heavy shapes and built-up heavy shapes				
No	7. Backing removed and weld tabs removed (if required)				

Required?	Structural Test or Special Inspection	Required Qualifications	Continuous	Periodic	Frequency of Periodic Test or Inspection
No	8. Repair activities				
No	9. Document acceptance or rejection of welded joint or member				
No	10. No prohibited welds have been added without the approval of the EOR (Engineer of Record)				
No	11. Placement of reinforcing or contouring fillet welds (if required) (reference: AISC 341-16)				
	Nondestructive Testing (AISC 360-16 Section N5 and AISC 341-16 Section J6)				
No	1. Risk Category II Structures - Perform Ultrasonic Testing on 10% of CJP groove welds in butt, T- and corner joints subject to transversely applied tension loading, in materials 5/16 inch thick or greater.				
No	2. Risk Category III or IV Structures - Perform Ultrasonic Testing on all CJP groove welds subject to transversely applied tension loading in butt, T- and corner joints, in materials 5/16 inch thick or greater.				
No	3. Access Holes – Perform Magnetic Particle Testing or Liquid Penetrant Testing when the flange thickness exceeds 2 inches for rolled shapes, or when the web thickness exceeds 2 inches for built-up shapes.				
No	4. Welded Joints Subject to Fatigue				
	Nondestructive Testing (AISC 341-16 Section J6)				
	Column Splice and Column to Base Plate PJP Groove Weld (AISC 341-16 Section J6 2b)				
No	1. Perform Ultrasonic Testing on 100% of PJP (partial-joint-penetration) groove welds in column splices and column to base plate welds				
No	2. CJP Groove weld				
No	3. Lamellar tearing				
No	4. Beam cope and access hole				
No	5. Reduced beam section repair				

Required?	Structural Test or Special Inspection	Required Qualifications	Continuous	Periodic	Frequency of Periodic Test or Inspection
No	6. Weld tab removal				
	Prior to Bolting (AISC 360-16 Table N5.6-1)				
No	These inspections are not required for snug-tight joints.				
No	1. Manufacturer's certifications available for fastener materials				
No	2. Fasteners marked in accordance with ASTM requirements				
No	3. Correct fasteners selected for the joint detail (grade, type, bolt length if threads are to be excluded from shear plane)				
No	4. Correct bolting procedure selected for joint detail				
No	5. Connecting elements, including the appropriate faying surface condition and hole preparation, if specified, meet applicable requirements				
No	6. Pre-installation verification testing by installation personnel observed and documented for fastener assemblies and methods used				
No	7. Protected storage provided for bolts, nuts, washers and other fastener components				
	During Bolting (AISC 360-16 Table N5.6-2)				
No	These inspections are not required for snug-tight joints.				
No	These inspections are not required for pretensioned joints and slip-critical joints, when the installer is using the turn-of-nut method with matchmarking techniques, the direct-tension-indicator method, or the twist-off-type tension control bolt method.				
No	1. Fastener assemblies, of suitable condition, placed in all holes and washers (if required) are positioned as required				
No	2. Joint brought to the snug-tight condition prior to the pretensioning operation				
No	3. Fastener component not turned by the wrench prevented from rotating				

Required?	Structural Test or Special Inspection	Required Qualifications	Continuous	Periodic	Frequency of Periodic Test or Inspection
No	4. Fasteners are pretensioned in accordance with the RCSC (Resource Council on Structural Connections) Specification, progressing systematically from the most rigid point toward the free edges				
	After Bolting (AISC 360-16 Table N5.6-2)				
No	Document acceptance or rejection of bolted connections.				
	Other Inspection Tasks (AISC 360-16 Section N5.7)				
No	1. Verify compliance of fabricated steel with the details shown on the approved shop drawings.				
No	2. Verify compliance of the erected steel frame with the details shown on the approved erection drawings, including braces, stiffeners, member locations and joint details.				
No	3. Anchor rods and other embedments support structural steel				
No	a. Verify the diameter, grade, type and length of the anchor rod or embedded item.				
No	b. Verify the extent or depth of embedment into the concrete.				
No	4. RBS (reduce beam section) requirements, if applicable (AISC 341-16)				
No	a. Contour and finish				
No	b. Dimensional tolerances				
No	5. Protected zone - no holes and unapproved attachments made by fabricator or erector, as applicable. (AISC 341-16)				
No	6. H-piles - Protected zone - no holes and unapproved attachments made by the responsible contractor, as applicable. (AISC 341-16)				
	Cold-formed Steel Deck (IBC-21 1705.2.2)				
No	1. Special inspections in accordance with QA/QC-2017 Standard for Quality control (QC) and				

Required?	Structural Test or Special Inspection	Required Qualifications	Continuous	Periodic	Frequency of Periodic Test or Inspection
	Quality assurance (QA) for Installation of Steel Deck				
	Open-Web steel Joists and Joist Girders (IBC-21 Table 1705.2.3)				
No	1. Installation of open-web steel joists and joist girders.				
No	a. End connections - welding or bolted				
No	b. Bridging - horizontal or diagonal				
No	1. Standard bridging				
No	2. Bridging that differs from the SJI (Steel Joist Institute) specifications listed in Section 2207.1.				
	Inspection of Composite Structures Prior to Concrete Placement (AISC 341-16 Table J9.1)				
No	1. Material identification of reinforcing steel (Type/Grade)				
No	2. Determination of carbon equivalent for reinforcing steel other than ASTM A706				
No	3. Proper reinforcing steel size, spacing and orientation				
No	4. Reinforcing steel has not been rebent in the field				
No	5. Reinforcing steel has been tied and supported as required				
No	6. Required reinforcing steel clearances have been provided				
No	7. Composite member has required size				
	Inspection of Composite Structures During Concrete Placement (AISC 341-16 Table J9.2)				
No	1. Concrete: Material identification (mix design, compressive strength, maximum large aggregate size, maximum slump)				
No	2. Limits on water added at the truck or pump				
No	3. Proper placement techniques to limit segregation				

Required?	Structural Test or Special Inspection	Required Qualifications	Continuous	Periodic	Frequency of Periodic Test or Inspection
	Inspection of Composite Structures During Concrete Placement (AISC 341-16 Table J9.2)				
No	1. Achievement of minimum specified concrete compressive				
	Cold-formed Steel Trusses Spanning 60-feet or Greater (IBC-21 Section 1705.2.4)				
No	1. Verify temporary installation restraint/bracing installed in accordance with the approved shop drawings.				
No	2. Verify permanent individual truss member restraint/bracing installed in accordance with the approved shop drawings.				
	Concrete Construction (IBC-21 Section 1705.3)				
No	1. Inspect reinforcing steel, including prestressing tendons, and placement.				
No	2. Inspection of reinforcing steel welding				
No	a. Verify weldability of reinforcing bars other than ASTM A706.				
No	b. Inspect single pass fillet welds, maximum 5/16 inch.				
No	c. Inspect all other welds.				
No	3. Inspection of anchors cast in concrete.				
No	4. Inspection of anchors post-installed in hardened concrete members.				
No	a. Adhesive anchors installed in horizontally or upwardly inclined orientations to resist sustained tension load				
No	b. Mechanical anchors and adhesive anchors not defined in 4 a				
No	5. Verify use of approved design mix.				
No	6. Prior to placement fabricate specimens for strength tests, perform slump and air content tests, and determine the temperature of the concrete.				

Required?	Structural Test or Special Inspection	Required Qualifications	Continuous	Periodic	Frequency of Periodic Test or Inspection
No	7. Inspect concrete and shotcrete placement for proper application techniques.				
No	8. Inspect for maintenance of specified curing temperature and techniques.				
No	9. Inspection of prestressed concrete:				
No	a. Application of prestressing forces				
No	b. Grouting of bonded prestressing tendons in the seismic-force-resisting system.				
No	10. Erection of precast structural members				
No	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:				
No	a. Installation of the embedded parts				
No	b. Completion of the continuity of reinforcement across joints				
No	c. Completion of connections in the field				
No	12. Inspect installation tolerances of precast concrete diaphragm connections for compliance with ACI 550.5 (American Concrete Institute).				
No	13. Verification of in-situ concrete strength, prior to stressing of tendons in post-tensioned concrete and prior to removal of shores and forms from beams and structural slabs.				
No	14. Inspection formwork for shape, location and dimensions of the concrete member being formed.				
	Masonry Construction (IBC-21 Section 1705.4)				
No	1. Inspect masonry construction in accordance with IBC-21 Section 1705.4 and TMS 602-13 (The Masonry Society)/ACI 530.1-13 Article 1.6.				
	Level A Quality Assurance				

Required?	Structural Test or Special Inspection	Required Qualifications	Continuous	Periodic	Frequency of Periodic Test or Inspection
No	**Tests:** None.				
No	**Inspection:** Verify compliance with the approved submittal and project specifications.				
	Level B Quality Assurance				
No	**Tests:**				
No	1. Verify slump flow and Visual Stability Index (VSI) as delivered to the project site in accordance with TMS 602-13/ACI 530.1-13 Specification Article 1.5B.1.b.3 for self-consolidating grout.				
No	2. Verify f'm and f'aac in accordance with TMS 602-13/ACI 530.1-13 Specification Article 1.4B prior to construction, except where specifically exempted.				
	Inspection:				
No	1. Verify compliance with the approved submittals and project specifications.				
No	2. At the start of masonry construction, verify:				
No	a. Proportions of site-prepared mortar.				
No	b. Construction of mortar joints.				
No	c. Grade and size of prestressing tendons and anchorages.				
No	d. Location of reinforcement, connectors, prestressing tendons and anchorages.				
No	e. Prestressing technique.				
No	f. Properties of thin-bed mortar for AAC (autoclaved aerated concrete) masonry. (Continuous inspection is required for the first 5000 square feet of AAC masonry. Periodic inspection is required after the first 5000 square feet of AAC masonry.)				
No	3. Prior to grouting, verify:				
No	a. Grout space is clean.				

Required?	Structural Test or Special Inspection	Required Qualifications	Continuous	Periodic	Frequency of Periodic Test or Inspection
No	b. Grade, type and size of reinforcement and anchor bolts, and prestressing tendons and anchorages.				
No	c. Placement of reinforcing and connectors, and prestressing tendons and anchorages.				
No	d. Proportions of site-prepared grout and prestressing grout for bonded tendons.				
No	e. Construction of mortar joints.				
No	4. During masonry construction, verify:				
No	a. Size and location of structural members.				
No	b. Type, size and location of anchors, including other details of anchorage of masonry to structural members, frames, or other construction.				
No	c. Welding of reinforcement.				
No	d. Preparation, construction and protection of masonry during cold weather (temperature below 40 degrees Fahrenheit) or hot weather (temperature above 90 degrees Fahrenheit).				
No	e. Application and measurement of prestressing force.				
No	f. Placement of grout and prestressing grout for bonded tendons is in compliance.				
No	g. Placement of AAC masonry units and construction of thin-bed mortar joints. (Continuous inspection is required for the first 5000 square feet of AAC masonry. Periodic inspection is required after the first 5000 square feet of AAC masonry.)				
No	5. Observe preparation of grout specimens, mortar specimens and/or prisms.				
	Level C Quality Assurance				
	Tests:				
No	1. Verify f'm and f'aac in accordance with TMS 602-13/ACI 530.1-13/ASCE 6-13 Specification				

Required?	Structural Test or Special Inspection	Required Qualifications	Continuous	Periodic	Frequency of Periodic Test or Inspection
	Article 1.4B prior to construction, and for every 5000 square feet during construction.				
No	2. Verify proportions of materials in premixed or pre-blended mortar, prestressing grout, and grout other than self-consolidating grout as delivered to the project site.				
No	3. Verify slump flow and Visual Stability Index (VSI) as delivered to the project site in accordance with TMS 602-13/ACI 530.1-13/ASCE 6-13 Specification Article 1.5B.1.b.3 for self-consolidating grout.				
	Inspection:				
No	1. Verify compliance with the approved submittals and project specifications.				
No	2. Verify:				
No	a. Proportions of site-prepared mortar, grout and prestressing grout for bonded tendons.				
No	b. Grade, type and size of reinforcement and anchor bolts, and prestressing tendons and anchorages.				
No	c. Placement of masonry units and construction of mortar joints.				
No	d. Placement of reinforcement, connectors and prestressing tendons and anchorages.				
No	e. Grout space prior to grouting.				
No	f. Placement of grout and prestressing grout for bonded tendons.				
No	g. Size and location of structural elements.				
No	h. Type, size and location of anchors, including other details of anchorage of masonry to structural members, frames or other construction.				
No	i. Welding of reinforcement.				
No	j. Preparation, construction and protection of masonry during cold weather (temperature below 40 degrees Fahrenheit) or hot				

Required?	Structural Test or Special Inspection	Required Qualifications	Continuous	Periodic	Frequency of Periodic Test or Inspection
	weather (temperature above 90 degrees Fahrenheit).				
No	k. Application and measurement of prestressing force.				
No	l. Placement of AAC masonry units and construction of thin-bed mortar joints.				
No	m. Properties of thin-bed mortar for AAC masonry.				
No	3. Observe preparation of grout specimens, mortar specimens and/or prisms.				
	Wood Construction (IBC-21 Section 1705.5)				
No	1. Inspect prefabricated wood structural elements in accordance with Section 1704.2.5.				
No	2. High load diaphragms:				
No	a. Verify sheathing grade and thickness.				
No	b. Verify nominal size of framing members at adjoining panel edges.				
No	c. Verify nail or staple diameter and length.				
No	d. Verify number of fastener lines.				
No	e. Verify spacing between fasteners in each line and at panel edges.				
No	3. Shearwalls:				
No	a. Verify sheathing grade and thickness.				
No	b. Verify nominal size of framing members at adjoining panel edges.				
No	c. Verify nail or staple diameter and length.				
No	d. Verify number of fastener lines.				
No	e. Verify spacing between fasteners in each line and at panel edges.				
No	f. Location and size of holdowns.				

Required?	Structural Test or Special Inspection	Required Qualifications	Continuous	Periodic	Frequency of Periodic Test or Inspection
No	4. Verify nailing, bolting, anchoring and fastening of:				
No	a. Drag struts and collectors.				
No	b. Braces.				
No	c. Hold-downs.				
No	5. Metal-plate-connected wood trusses spanning 60 feet or greater:				
No	a. Verify temporary installation restraint/bracing installed in accordance with the approved shop drawings.				
No	b. Verify permanent individual truss member restraint/bracing installed in accordance with the approved shop drawings.				
	Soils (IBC-21 Section 1705.6)				
No	1. Verify materials below shallow foundations are adequate to achieve the required bearing capacity.				
No	2. Verify excavations are extended to proper depth and have reached proper material.				
No	3. Perform classification and testing of compacted fill materials.				
No	4. During fill placement, verify use of proper materials and procedure in accordance with the provisions of the approved geotechnical report. Verify densities and lift thicknesses during placement and compaction of compacted fill.				
No	5. Prior to placement of compacted fill, inspect subgrade and verify that site has been prepared properly.				
	Driven Deep Foundation Elements (IBC-21 Section 1705.7)				
No	1. Verify element materials, sizes and lengths.				
No	2. Determine capacities of test elements and conduct additional load tests when required. Refer to project specifications.				

Required?	Structural Test or Special Inspection	Required Qualifications	Continuous	Periodic	Frequency of Periodic Test or Inspection
No	3. Inspect driving operations and maintain complete and accurate records for each element.				
No	4. Verify element locations and plumbness.				
No	a. Verify type and size of hammer.				
No	b. Record number of blows per foot of penetration.				
No	c. Determine required penetration to achieve specified capacity.				
No	d. Record pile tip and butt elevations.				
No	e. Document any damage to any foundation element.				
No	5. For steel piling, perform additional inspection in accordance with Section 1705.2 and AISC 341-16, Table J10.1.				
No	6. For concrete elements and concrete-filled elements, perform additional inspections in accordance with Section 1705.3.				
No	7. For specialty elements, perform additional inspections as required in the project specifications.				
	Cast-in-Place Deep Foundation (IBC-21 Section 1705.8)				
No	1. Inspect drilling operations and maintain complete and accurate records for each element.				
No	2. Verify element locations and plumbness.				
No	a. Verify element diameter.				
No	b. Verify bell diameter (if applicable).				
No	c. Verify element lengths.				
No	d. Verify embedment depth into bedrock (if applicable).				
No	e. Verify adequate end-bearing strata capacity.				

Required?	Structural Test or Special Inspection	Required Qualifications	Continuous	Periodic	Frequency of Periodic Test or Inspection
No	f. Record concrete or grout volumes.				
No	3. For concrete elements, perform additional inspections in accordance with Section 1705.3.				
	Helical Piles (IBC-21 Section 1705.10)				
No	1. Verify pile locations.				
No	a. Verify installation equipment used.				
No	b. Verify pile dimensions.				
No	c. Verify tip elevations.				
No	d. Verify final depth.				
No	e. Verify final installation torque.				
No	f. Other data as required by the project specifications.				
	Fabricated Items (IBC-21 Section 1705.11)				
No	1. Inspect fabricated items in accordance with Section 1704.2.5.				
	Wind Resistance (IBC-21 Section 1705.12)				
No	1. Provide inspections when required by Section 1705.12.				
	Seismic Resistance (IBC-21 Section 1705.13)				
No	1. Provide inspections when required by Section 1705.13.				
	Testing and Qualification for Seismic Resistance (IBC-21 Section 1705.14)				
No	1. Test and qualify seismic resistance in accordance with IBC-21 Section 1705.14 and the project specifications.				

Required?	Structural Test or Special Inspection	Required Qualifications	Continuous	Periodic	Frequency of Periodic Test or Inspection
	Sprayed Fire-Resistant Materials (IBC-21 Section 1705.15)				
No	1. Inspect sprayed fire-resistant materials in accordance with IBC-21 Section 1705.15 and the project specifications.				
	Mastic and Intumescent Fire-Resistant Coatings (IBC-21 Section 1705.16)				
No	1. Perform inspections in accordance with AWCI 12-B (Association of the Wall and Ceiling Industry) and IBC-21 Section 1705.16.				
	Exterior Insulation and Finish Systems (EIFS) (IBC-21 Section 1705.17)				
No	1. Perform inspections in accordance with project specifications and IBC-21 Section 1705.17.				
	Fire-Resistant Penetrations and Joints (IBC-21 Section 1705.18)				
No	1. Perform inspections in accordance with project specifications and IBC-21 Section 1705.18.				
	Smoke Control (IBC-21 Section 1705.19)				
No	1. Perform testing in accordance with project specifications and IBC-21 Section 1705.19.				
	Sealing of Mass Timber (IBC-21 Section 1705.20)				
No	1. Perform testing in accordance with project specifications and IBC-21 Section 1705.20.				