

Request for Qualifications

SPECIAL INSPECTIONS AND CONSTRUCTION
MATERIAL TESTING FOR THE CRAVEN COUNTY
COURTHOUSE RENOVATION - PHASE 3

Craven County Courthouse Renovation
New Bern, North Carolina



Craven County



November 14, 2023



**REQUEST FOR QUALIFICATIONS
Craven County Courthouse Renovation**

**RFQ: Special Inspections and Construction Material Testing for the
Craven County Courthouse Renovation - Phase 3**

Craven County is accepting Statement of Qualifications proposals for Special Inspections and Construction Materials Testing Services to provide complete special inspections and construction materials testing services during renovation and construction for the Craven County Courthouse Renovation – Phase 3 in New Bern, NC. The project consists of partial demolition of the existing building, renovation of the existing building, as well as new construction.

Firm evaluation/selection will be determined based on, but not limited to:

1. A brief description of the firm and its program of services with emphasis on the firm's history and resource capability to perform the required services.
2. The project team and the individual qualifications of the members of the team.
3. A list of recent related project experience.
4. Outline the proposed services for the inspections & testing, and any other services necessary and/or required to complete the work.
5. Any other information that might be relevant to the selection process.
6. Additional references.

Craven County reserves the right to waive any informalities, to reject any and all responses to the Request for Qualifications, and to accept any responses which in its opinion may be in the best interest of Craven County.

Qualifications are due: November 28, 2023 @ 2:00 pm

Provide 1 electronic copy in PDF format and 5 hardcopies delivered
to: Craven County Finance - Courthouse Inspections RFQ

Attention: Craig Wilkie

406 Craven Street

New Bern, NC 28560

Electronic submissions will not be accepted

Project Location:

Craven County Courthouse

302 Broad Street

New Bern, NC 28560

SECTION 014100 - SPECIAL INSPECTIONS

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary General Conditions and other Division 01 Specification Sections, apply to this Section.
- B. Refer to individual technical specification sections for specific qualifications, inspections, tests, frequency, and standards required.

1.2 GENERAL REQUIREMENTS

- A. Special Inspections shall be in accordance with Chapter 17 of the International Building Code.
- B. The program of Special Inspection is a system intended to ensure that the work is performed in accordance with the Contract Documents. These services do not relieve the Contractor and/or the Construction Manager of responsibility for compliance with the requirements of the Contract Documents.
- C. This specification section is intended to inform the Contractor and/or the Construction Manager of the Owner's Special Inspection program and the extent of the responsibilities. This specification section is also intended to notify the Special Inspector, Testing Company/Testing Laboratory, and other Agents of the Special Inspector of their requirements and responsibilities.
- D. Perform inspections in accordance with industry standard referenced for specific material or procedure unless other criteria are specified. In the absence of a referenced standard, perform inspections in accordance with generally accepted industry standards.
- E. Failure to detect defective work or materials shall in no way prevent later rejection if defective work or materials are discovered.

1.3 SCHEDULE OF SPECIAL INSPECTIONS

- A. Required Special Inspections are described on the Drawings.

1.4 DEFINITIONS

- A. Testing: Evaluation of systems, primarily requiring physical manipulation and analysis of materials, in accordance with approved standards.
- B. Inspection: Evaluation of systems, primarily requiring observation and judgment.

Division 01

- C. Special Inspection: Special Inspection herein includes items required by the current State Building Code, and other items which in the professional judgment of the Structural Engineer of Record, are critical to the integrity of the building structure.
- D. Structural Engineer of Record (SER): The Licensed Engineer in responsible charge of the structural design for the project.
- E. Testing Agency (TA):
 - 1. Testing Agency: Approved independent materials testing agency acceptable to the Owner, Architect, and SER.
- F. Special Inspector (SI): A licensed professional engineer responsible for administering and performing all Special Inspections required by the Statement of Special Inspections.
- G. Agents of Special Inspection (AI): Individual inspectors performing specific Special Inspections on behalf of the Special Inspector.
- H. Building Official: The Officer or duly authorized representative charged with the administration and enforcement of the State Building Code.

1.5 QUALIFICATIONS

- A. The Special Inspector shall be a licensed Professional Engineer (licensed in state in which project is located) experienced with the type of work requiring Special Inspections, who is approved by the Owner, Structural Engineer of Record (SER) and Building Official.
- B. Required inspector's qualifications for the Special Inspector and Agents of the Special Inspector are described in the attached Statement of Special Inspection.

1.6 SUBMITTALS

- A. The Special Inspector shall submit to the Owner for review a copy of their qualifications which shall include the names and qualifications of each of the agents of Special Inspection who will be performing inspections.

1.7 PAYMENT

- A. The Owner shall engage and pay for the services of the Special Inspector and Agents of the Special Inspector.
- B. The Contractor and/or Construction Manager shall be responsible for the cost of any re-inspection of work which fails to comply with the requirements of the Contract Documents.

1.8 RESPONSIBILITIES/AUTHORITY

- A. Special Inspection:

1. Special Inspector and Agents of Special Inspections:
 - a. Sign the Statement of Special Inspection in conjunction with other responsible parties prior to commencing construction.
 - b. Inspect the work assigned for conformance with the contract documents and applicable material and workmanship provisions of the code. Perform inspection in a timely manner to avoid delay of work.
 - c. Bring nonconforming items to the immediate attention of the Contractor and/or Construction Manager for correction, then, if uncorrected after a reasonable period of time, to the attention of the Structural Engineer of Record, the Building Official, and to the Owner.
 - d. Submit inspection reports to the Contractor and/or Construction Manager, the Structural Engineer of Record, Owner, and other designated persons in accordance with the Statement of Special Inspection.
 - e. Submit a final signed report stating whether the work requiring Special Inspection was, to the best of the Special Inspector's knowledge, in conformance with the contract documents and the applicable workmanship provisions of the code.
2. Architect:
 - a. Expedite resolution of construction issues.
3. Structural Engineer of Record:
 - a. Identify items requiring Special Inspection and define qualifications of Special Inspector required for work.
 - b. Prepare and sign the Statement of Special Inspection in conjunction with other responsible parties prior to commencing construction.
 - c. Review reports issued by Special Inspector.
 - d. Assist in resolution of construction issues identified by Special Inspector.
4. Testing Agency:
 - a. When engaged as a Special Inspector, provide Special Inspection services as noted in Item 1.8.A.1.
 - b. Copy Special Inspector on all materials testing reports.
5. Contractor/Construction Manager:
 - a. Arrange and attend all pre-construction meetings to review scope of Special Inspection. Include the Building Official, Owner, Architect, Structural Engineer of Record, Special Inspector, Testing Agency, and other parties concerned.
 - b. Post or make available the Statement of Special Inspection within the project site office. Provide timely notification to those parties designated on the schedule so they may properly prepare for and schedule their work.
 - c. Provide Special Inspector access to the approved plans and specifications at the project site.
 - d. Review all reports issued by Special Inspector.
 - e. Retain at the project site all reports submitted by the Special Inspector for review by the building official upon request.
 - f. Correct, in a timely manner, deficiencies identified in inspection reports.

Division 01

- g. Provide safe access to the work requiring inspection.
- h. Provide labor and facilities to provide access to the work and to facilitate inspection.
- i. Sign the Contractor's Statement of Responsibility, if required, prior to commencing construction.

6. Fabricator/Supplier:

- a. Submit one copy of all material certificates and other quality assurance documents as required in the Statement of Special Inspections to the Special Inspector.

7. Building Official:

- a. Accept and sign completed Statement of Special Inspection.
- b. Review the final report submitted by Special Inspector.
- c. Determine work, which, in the Building Official's opinion, involves unusual hazards or conditions (IBC 1705.1.1 – Special Cases).

8. Owner:

- a. Provide and pay cost of Special Inspection services.
- b. Provide Special Inspector with Contract Documents and accepted shop drawings.
- c. Provide Special Inspector with full access to the site at all times.
- d. Sign the Statement of Special Inspection in conjunction with other responsible parties prior to commencing construction.

1.9 INSPECTION NOTES

- A. Contractor and/or Construction Manager provide minimum of 24 hours' notice for all items requiring inspection. Do not construct items requiring inspection services until testing and inspection services are available. Do not enclose or obscure items requiring inspection services until inspection services are performed.

1.10 LIMITS ON AUTHORITY

- A. The Special Inspector may not release, revoke, alter, or increase the requirements of the Contract Documents.
- B. The Special Inspector will not have control over the Contractor and/or Construction Manager means or methods of construction.
- C. The Special Inspector shall not be responsible for construction site safety.
- D. The Special Inspector has no authority to stop the work.

Division 01

1.11 DAILY RECORDS AND REPORTS

- A. Detailed daily reports shall be prepared by Special Inspector and Agents of Special Inspection of each inspection and submitted to the Special Inspector. Reports shall include, but not be limited to:
 - 1. Date of inspection.
 - 2. Name of inspector or agent.
 - 3. Location of specific areas inspected.
 - 4. Description of inspection and results.
 - 5. Applicable ASTM standard.
 - 6. Weather conditions.
 - 7. Identification of product and specification section.
- B. Any discrepancies from the Contract Documents found during a Special Inspection shall be immediately reported to the Contractor and/or Construction Manager. If the discrepancies are not corrected, the Special Inspector shall notify the Structural Engineer of Record and Owner. Reports shall document all discrepancies identified and the corrective action taken.
- C. The Testing Company/Testing Laboratory shall immediately notify the Special Inspector of any test results which fail to comply with the requirements of the Contract Documents.

1.12 MONTHLY REPORTS

- A. Monthly reports shall be prepared by the Special Inspector. Reports shall include, but not be limited to:
 - 1. Summary of elements inspected during that month.
 - 2. Copies of all discrepancies noted during that month.
 - 3. Report of status of discrepancies including resolution of discrepancies.
 - 4. Summary of all material certifications and quality assurance documents collected and reviewed during that month.

1.13 FINAL REPORT OF SPECIAL INSPECTIONS

- A. The Final Report of Special Inspections shall be completed by the Special Inspector and submitted to the Structural Engineer of Record, Owner, Contractor and/or Construction Manager, and Building Official prior to the issuance of a Certificate of Use and Occupancy.
- B. The Final Report of Special Inspections will certify that all required inspections have been performed and will itemize any discrepancies and how those discrepancies were resolved.

END OF SECTION 014100

STATEMENT OF SPECIAL INSPECTIONS

THIS STATEMENT OF SPECIAL INSPECTIONS IS SUBMITTED AS A CONDITION FOR PERMIT ISSUANCE IN ACCORDANCE WITH THE SPECIAL INSPECTION REQUIREMENTS OF THE INTERNATIONAL BUILDING CODE. IT INCLUDES A SCHEDULE OF SPECIAL INSPECTION SERVICES APPLICABLE TO THIS PROJECT, THE NAME OF THE SPECIAL INSPECTOR, THE IDENTITY OF OTHER APPROVED AGENCIES RETAINED FOR CONDUCTING SPECIAL INSPECTIONS, AND THE REQUIRED INSPECTOR QUALIFICATIONS. THIS STATEMENT OF SPECIAL INSPECTIONS WAS PREPARED BY THE DESIGNERS OF RECORD.

THE SPECIAL INSPECTOR SHALL KEEP RECORDS OF ALL SPECIAL INSPECTIONS AND TESTS AND SHALL FURNISH REPORTS TO THE CONTRACTOR, OWNER, AND THE DESIGNERS OF RECORD. REPORTS SHALL INDICATE IF THE WORK INSPECTED OR TESTED WAS OR WAS NOT COMPLETED IN CONFORMANCE WITH THE APPROVED CONSTRUCTION DOCUMENTS. DISCOVERED DISCREPANCIES SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE CONTRACTOR FOR CORRECTION. IF SUCH DISCREPANCIES ARE NOT CORRECTED, THE DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER AND THE DESIGNERS OF RECORD. THE SPECIAL INSPECTIONS PROGRAM DOES NOT RELIEVE THE CONTRACTOR OF HIS OR HER RESPONSIBILITIES. JOB SITE SAFETY AND MEANS AND METHODS OF CONSTRUCTION ARE SOLELY THE RESPONSIBILITY OF THE CONTRACTOR.

MONTHLY INTERIM REPORTS SHALL BE SUBMITTED TO THE CONTRACTOR, OWNER, AND THE DESIGNERS OF RECORD. A FINAL REPORT OF SPECIAL INSPECTIONS DOCUMENTING COMPLETION OF ALL REQUIRED SPECIAL INSPECTIONS, TESTING, AND CORRECTION OF ANY DISCREPANCIES SHALL BE SUBMITTED PRIOR TO ISSUANCE OF A CERTIFICATE OF USE AND OCCUPANCY.

PROJECT INFORMATION

CODE ENFORCEMENT PROJECT #: ---
PERMIT #: ---
PROJECT NAME: CRAVEN COUNTY COURTHOUSE
PROJECT ADDRESS: 411 CRAVEN STREET, NEW BERN, NC
OWNER: CRAVEN COUNTY
OWNER ADDRESS: 406 CRAVEN STREET | NEWBERN, NC 28560
SPECIAL INSPECTOR OF RECORD: TBD
SPECIAL INSPECTOR ADDRESS: STREET ADDRESS | CITY, STATE ZIP

DESIGN TEAM

STRUCTURAL (RDP/RC) FIRM: STEWART ENGINEER OF RECORD: M. BRYAN COVINGTON IV, PE
ARCHITECTURAL FIRM: OAKLEY COLLIER ARCHITECTS ARCHITECT OF RECORD: ANN W. COLLIER, AIA
MECHANICAL FIRM: ATLANTIC ENGINEER OF RECORD: BRADLEY W. FELTS, PE

SCHEDULE OF SPECIAL INSPECTIONS

THE INSPECTION AND TESTING AGENTS SHALL BE ENGAGED BY THE OWNER OR THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE ACTING AS 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 OWNER, PRIOR TO COMMENCING WORK.

PRIOR TO STARTING WORK THE OWNER SHALL BE PROVIDED WITH THE NAME AND RESUME FOR THE DESIGNATED SPECIAL INSPECTOR FOR THE PROJECT. THE DESIGNATED SPECIAL INSPECTOR SHALL BE A PROFESSIONAL ENGINEER OR REGISTERED ARCHITECT LICENSED IN THE STATE IN WHICH THE PROJECT IS LOCATED AND BE APPROVED BY THE OWNER. INDIVIDUALS PROVIDING INSPECTIONS SHALL MEET THE FOLLOWING MINIMUM CRITERIA OF CERTIFICATION AND/OR DOCUMENTED EXPERIENCE. WORK EXPERIENCE MUST BE RELATED TO THE FIELD FOR WHICH THE INSPECTOR IS BEING UTILIZED. WORK EXPERIENCE MAY BE GAINED BY WORKING FOR AN INSPECTION/TESTING AGENCY, AN ENGINEERING FIRM, OR A CONTRACTOR AS A TECHNICIAN, INSPECTOR OR ENGINEER.

THE DESIGNATED SPECIAL INSPECTOR SHALL BE RESPONSIBLE FOR COLLECTING AND APPROVING DOCUMENTATION OF QUALIFICATIONS FOR ALL INSPECTORS. COPIES OF DOCUMENTATION OF QUALIFICATIONS, INCLUDING THE QUALIFICATIONS OF THE INDEPENDENT TESTING LABORATORY IF THEY ARE PROVIDING SPECIAL INSPECTION SERVICES, SHALL BE MAINTAINED BY THE SPECIAL INSPECTOR AND BE MADE AVAILABLE FOR OWNER REVIEW AS REQUESTED.

THE FOLLOWING TABLES COMPRISE THE REQUIRED SCHEDULE OF SPECIAL INSPECTIONS FOR THIS PROJECT. THE INSPECTION FREQUENCY INDICATED ON THE TABLES ARE "C" CONTINUOUS, "P" PERIODIC, AND "O" RANDOMIZED ON A DAILY BASIS. THE CONSTRUCTION DIVISIONS WHICH REQUIRE SPECIAL INSPECTIONS FOR THIS PROJECT ARE AS FOLLOWS:

Table with columns: RECD, ITEM, DIVISION, and description of inspection tasks and requirements for various construction elements like structural steel, concrete, masonry, and foundations.

IT-1: SPECIAL CASES AND SPECIFIC ELEMENTS ALWAYS REQUIRED

Table listing inspection tasks for special cases and specific elements, including construction materials, design applications, and fire-resistant materials.

IT-2A: STRUCTURAL STEEL AND HIGH-STRENGTH BOLTING

Table listing inspection tasks for structural steel and high-strength bolting, covering fabrication, joint connections, and high-strength bolting procedures.

IT-2B: WELDING OF STRUCTURAL STEEL

Table listing inspection tasks for welding of structural steel, including pre-welding inspections, welding during construction, and post-welding inspections.

IT-2C: COLD-FORMED STEEL DECKING

Table listing inspection tasks for cold-formed steel decking, covering deck placement, fasteners, and mechanical fastening.

IT-3: CONCRETE CONSTRUCTION

Table listing inspection tasks for concrete construction, including reinforcement, welding, concrete anchors, and curing procedures.

IT-4: MASONRY CONSTRUCTION (LEVEL C)

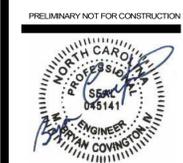
Table listing inspection tasks for masonry construction, covering material verification, proportions, and construction details.

LEVEL C INSPECTION IS REQUIRED FOR ENGINEERED MASONRY IN RISK CATEGORY IV STRUCTURES. ENGINEERED MASONRY STRUCTURES ARE THOSE DESIGNED IN ACCORDANCE WITH PORTIONS OF ACI 530 OTHER THAN PART 4 OR APPENDIX A.

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COURTROOM RENOVATIONS FOR:
CRAVEN COUNTY COURTHOUSE /
EOC / ANNEX
411 CRAVEN STREET
NEW BERN, NORTH CAROLINA



08/11/2023
GENERAL NOTE:
Prior to construction start, Contractor shall verify & be responsible for all Dimensions.

Table with project details: Date (07-07-2023), Project No. (22006), Drawn By (VNA), Sheet No. (3S0.3), Checked By (MBC), and Sheet Title (STATEMENT OF SPECIAL INSPECTIONS).

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IT-6: SOILS		
INSPECTION TASK	FREQ	REFERENCE
1. VERIFY MATERIALS BELOW SHALLOW FOUNDATIONS ARE ADEQUATE TO ACHIEVE THE DESIGN BEARING CAPACITY.	P	IBC 1705.6
2. VERIFY EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED PROPER MATERIAL.	P	IBC 1705.6
3. PERFORM CLASSIFICATION AND TESTING OF COMPACTED FILL MATERIALS.	P	IBC 1705.6
4. VERIFY USE OF PROPER MATERIALS, DENSITIES, AND LIFT HEIGHTS DURING PLACEMENT AND COMPACTION OF COMPACTED FILL.	C	IBC 1705.6
5. PRIOR TO PLACEMENT OF COMPACTED FILL, INSPECT SUBGRADE AND VERIFY THAT THE SITE HAS BEEN PREPARED PROPERLY.	P	IBC 1705.6

IT-8: CAST-IN-PLACE DEEP FOUNDATIONS		
INSPECTION TASK	FREQ	REFERENCE
1. OBSERVE DRILLING OPERATIONS AND MAINTAIN COMPLETE AND ACCURATE RECORDS FOR EACH ELEMENT.	C	IBC 1705.8
2. RECORD DRILLING RATES AND SOIL CONDITIONS DURING AUGER ADVANCEMENT, AND SHAFT BOTTOM CLEANLINESS.	C	IBC 1705.8
3. VERIFY DEEP FOUNDATION MATERIALS COMPLY WITH THE CONTRACT DOCUMENTS.	C	IBC 1705.8
4. VERIFY PLACEMENT, LOCATION, PLUMBNESS, DIAMETER, BELL DIAMETER (IF APPLICABLE), LENGTH, EMBEDMENT INTO ROCK (IF APPLICABLE), CONFIRM ADEQUATE END-BEARING STRATA, AND DOCUMENT ANY DAMAGE OR ANOMALIES.	C	IBC 1705.8
5. RECORD CONCRETE/GROUT VOLUMES.	C	IBC 1705.8, 1810.3.5.2.4, 1810.3.5.2.5
6. OBSERVE LOAD TESTS (IF REQUIRED) AND RECORD RESULTS.	C	

FOR CONCRETE AND CONCRETE-FILLED ELEMENTS, PERFORM ADDITIONAL TESTS AND INSPECTIONS PER IBC 1705.3 AND THE APPLICABLE SCHEDULES HEREIN.

IT-11: WIND RESISTANCE		
INSPECTION TASK	FREQ	REFERENCE
✗ 1. PRIOR TO ANY WORK TAKING PLACE, EACH CONTRACTOR RESPONSIBLE FOR THE CONSTRUCTION OF A WIND FORCE-RESISTING SYSTEM (WFRS) OR COMPONENT SHALL SUBMIT A WRITTEN STATEMENT OF CONTRACTOR RESPONSIBILITY.	C	IBC 1704.4
□ 2. STRUCTURAL WOOD		
A. VERIFY FIELD GLUING OPERATIONS OF ELEMENTS OF THE WFRS.	C	IBC 1705.11.1
B. INSPECT NAILING, ANCHORING, AND FASTENING OF COMPONENTS WITHIN THE WFRS INCLUDING SHEAR WALLS, DIAPHRAGMS, DRAG STRUTS, BRACES, AND HOLD-DOWNS.	P	IBC 1705.11.1
□ 3. COLD-FORMED STEEL FRAMING CONSTRUCTION		
A. INSPECT WELDING OPERATIONS AT ELEMENTS OF THE WFRS.	P	IBC 1705.11.2
B. INSPECT SCREW ATTACHMENT, BOLTING, ANCHORING, AND FASTENING OF ELEMENTS WITHIN THE WFRS INCLUDING SHEAR WALLS, BRACES, DIAPHRAGMS, COLLECTORS, DRAG STRUTS, AND HOLD-DOWNS.	P	IBC 1705.11.2
✗ 4. WIND-RESISTING COMPONENTS		
A. INSPECT THE FASTENING OF ROOF COVERING, ROOF DECK, AND SUPPORTING ROOF FRAMING CONNECTIONS.	P	IBC 1705.11.3.1
B. INSPECT THE FASTENING OF EXTERIOR WALL COVERINGS AND THE WALL CONNECTIONS TO THE ROOF/FLOOR DIAPHRAGMS AND FRAMING MEMBERS.	P	IBC 1705.11.3.2

INSPECTION IS REQUIRED IN EXPOSURE CATEGORY B WHERE $V_{wind} \geq 120$ MPH, OR IN EXPOSURE CATEGORIES C AND D WHERE $V_{wind} \geq 110$ MPH. INSPECTION IS NOT REQUIRED FOR SHEAR WALLS, SHEAR WALL PANELS, AND DIAPHRAGMS WHERE THE FASTENER SPACING > 4"OC.

WIND FORCE-RESISTING SYSTEMS AND COMPONENTS/CONNECTIONS SUBJECT TO INSPECTION INCLUDE:
CONCRETE BUILDING WALLS, MASONRY BUILDING WALLS.

IT-12: SEISMIC RESISTANCE		
INSPECTION TASK	FREQ	REFERENCE
✗ 1. PRIOR TO ANY WORK TAKING PLACE, EACH CONTRACTOR RESPONSIBLE FOR THE CONSTRUCTION OF A SEISMIC FORCE-RESISTING SYSTEM (SFRS) OR COMPONENT SHALL SUBMIT A WRITTEN STATEMENT OF CONTRACTOR RESPONSIBILITY.	C	IBC 1704.4
□ 2. STRUCTURAL STEEL (SEE IT-13 TABLES). [SDC \geq D OR SDC \geq B WHERE R > 3]		IBC 1705.12.1
□ 3. STRUCTURAL WOOD [SDC \geq C]		
A. VERIFY FIELD GLUING OPERATIONS OF ELEMENTS OF THE SFRS.	C	IBC 1705.12.2.1
B. INSPECT NAILING, ANCHORING, AND FASTENING OF COMPONENTS WITHIN THE SFRS INCLUDING SHEAR WALLS, DIAPHRAGMS, DRAG STRUTS, BRACES, AND HOLD-DOWNS.	P	IBC 1705.12.2.2
□ 4. COLD-FORMED STEEL FRAMING CONSTRUCTION [SDC \geq C]		
A. INSPECT WELDING OPERATIONS AT ELEMENTS OF THE SFRS.	P	IBC 1705.12.3.1
B. INSPECT SCREW ATTACHMENT, BOLTING, ANCHORING, AND FASTENING OF ELEMENTS WITHIN THE SFRS.	P	IBC 1705.12.3.2
C. INSPECT SPECIAL BOLTED MOMENT FRAMES. [SDC \geq D]	P	IBC 1705.12.9
✗ 5. VERIFY ERECTION AND FASTENING OF EXTERIOR CLADDING, NON-BEARING WALLS, AND VENEER TALLER THAN 30' ABOVE FINISHED GRADE. [SDC \geq D]	P	IBC 1705.12.5
✗ 6. CONFIRM ANCHORAGE OF ACCESS FLOORS. [SDC \geq D]	P	IBC 1705.12.5.1
✗ 7. CONFIRM ANCHORAGE OF STORAGE RACKS AT LEAST 8'-TALL. [SDC \geq D]	P	IBC 1705.12.7
✗ 8. COLLECT CERTIFICATES OF COMPLIANCE FOR QUALIFYING EQUIPMENT, SUPPORTS, ATTACHMENTS, AND COMPONENTS; VERIFY CORRECTNESS OF LABELS AND INSTALLATION. [SDC \geq C]	C	IBC 1705.12.4, 1705.13.2 ASCE 7 13.2.1, 13.2.2
9. PLUMBING, MECHANICAL, AND ELECTRICAL COMPONENTS		
A. VERIFY ANCHORAGE OF ELECTRICAL EQUIPMENT FOR EMERGENCY AND STANDBY POWER SYSTEMS. [SDC \geq C]	P	IBC 1705.12.6
B. VERIFY INSTALLATION AND ANCHORAGE OF PIPE AND DUCT SYSTEMS CARRYING HAZARDOUS MATERIALS AND ASSOCIATED MECHANICAL UNITS. [SDC \geq C]	P	IBC 1705.12.6
C. CONFIRM THE INSTALLATION AND ANCHORAGE OF VIBRATION ISOLATION SYSTEMS WITH NOMINAL CLEARANCES \leq 1/4". [SDC \geq C]	P	IBC 1705.12.6
D. INSPECT AND TEST SEISMIC ISOLATION SYSTEMS AT SEISMICALLY ISOLATED STRUCTURES. [SDC \geq B]	P	IBC 1705.12.8, 1705.13.4 ASCE 7 17.8

INSPECTION IS NOT REQUIRED FOR STRUCTURES OF LIGHT-FRAME CONSTRUCTION WHERE $S_{DS} \leq 0.5$ AND THE BUILDING HEIGHT $\leq 35'$, NOR FOR SFRS OF REINFORCED MASONRY/CONCRETE WHERE $S_{DS} \leq 0.5$ AND THE BUILDING HEIGHT $\leq 25'$. INSPECTION IS NOT REQUIRED FOR SHEAR WALLS, SHEAR WALL PANELS, AND DIAPHRAGMS WHERE THE FASTENER SPACING > 4"OC.

SEISMIC FORCE-RESISTING SYSTEMS AND COMPONENTS/CONNECTIONS SUBJECT TO INSPECTION INCLUDE:
CONCRETE BUILDING WALLS, MASONRY BUILDING WALLS.

IT-14: SPRAYED FIRE-RESISTANT MATERIALS		
INSPECTION TASK	FREQ	REFERENCE
1. PRIOR TO THE APPLICATION OF SPRAYED ON FIRE-RESISTANT MATERIALS, VERIFY STRUCTURAL MEMBER SURFACES ARE PREPARED IN ACCORDANCE WITH THE APPROVED FIRE-RESISTANCE DESIGN AND THE WRITTEN INSTRUCTIONS OF THE APPROVED MANUFACTURER.	P	IBC 1705.14.2
2. DURING THE APPLICATION OF SPRAYED ON FIRE-RESISTANT MATERIALS, VERIFY THE FOLLOWING ARE IN COMPLIANCE:		
A. SUBSTRATE HAS MINIMUM AMBIENT TEMPERATURE BEFORE AND AFTER APPLICATION AS SPECIFIED BY THE APPROVED FIRE-RESISTANCE DESIGN AND THE WRITTEN INSTRUCTIONS OF THE APPROVED MANUFACTURER.	P	IBC 1705.14.3
B. WORK AREA PROPERLY VENTILATED DURING AND AFTER APPLICATION.	P	IBC 1705.14.3
C. THICKNESS OF SPRAYED ON MATERIAL CONFORMS WITH THE APPROVED FIRE-RESISTANCE DESIGN AND IBC MINIMUMS.	P	IBC 1705.14.4 ASTM E605
D. DENSITY OF SPRAYED ON MATERIAL IS NOT LESS THAN THE REQUIREMENTS OF THE APPROVED FIRE-RESISTANCE DESIGN.	P	IBC 1705.14.5
E. COHESIVE/ADHESIVE BOND STRENGTH IS NOT LESS THAN 150 PSF.	P	IBC 1705.14.6 ASTM E736

INSPECTIONS SHALL BE PERFORMED AFTER THE ROUGH INSTALLATION OF ELECTRICAL, SPRINKLER, MECHANICAL, AND PLUMBING SYSTEMS, AS WELL AS THE SUSPENSION SYSTEMS FOR CEILING.

IT-15: MASTIC AND INTUMESCENT FIRE-RESISTANT COATINGS		
INSPECTION TASK	FREQ	REFERENCE
1. PRIOR TO APPLICATION, VERIFY PREPARATION OF SUBSTRATE AND SUITABILITY OF PRIMERS (IF PRESENT) ARE IN ACCORDANCE WITH APPROVED FIRE RESISTANCE DESIGN, APPROVED MANUFACTURER'S WRITTEN INSTRUCTIONS, AND THE REQUIREMENTS OF AWCI 12-B.	P	IBC 1705.15 AWCI 12-B
2. OBSERVE THE APPLICATION OF FIRE-RESISTANT COATINGS ENSURING COMPLIANCE WITH APPROVED FIRE RESISTANCE DESIGN, APPROVED MANUFACTURER'S WRITTEN INSTRUCTIONS, AND THE REQUIREMENTS OF AWCI 12-B.	P	IBC 1705.15 AWCI 12-B
3. AFTER ADEQUATE DRYING BUT PRIOR TO THE APPLICATION OF ANY TOPCOAT, MEASURE THE FINAL MASTIC/INTUMESCENT MATERIAL THICKNESS ENSURING COMPLIANCE WITH THE CONTRACT DOCUMENTS AND APPROVED MATERIAL/INSTALLATION SUBMITTALS. MEASUREMENTS MUST CONSIDER THE THICKNESS OF PRIMERS OR OTHER EXISTING COATINGS ON THE SURFACE OF THE SUBSTRATE.	P	IBC 1705.15 AWCI 12-B

IT-17: FIRE-RESISTANT PENETRATIONS AND JOINTS		
INSPECTION TASK	FREQ	REFERENCE
1. INSPECT THROUGH-PENETRATION FIRESTOP SYSTEMS AT FIRE WALLS, FIRE BARRIERS, SMOKE BARRIERS AND FIRE PARTITION WALLS IN ACCORDANCE WITH ASTM E2174.	P	IBC 714.3.1.2, 1705.17.1
2. INSPECT PENETRATION FIRESTOP SYSTEMS AT PENETRATIONS THROUGH MEMBRANES THAT ARE PART OF A HORIZONTAL ASSEMBLY IN ACCORDANCE WITH ASTM E2174.		
A. VERIFY MATERIALS BEFORE INSTALLATION.	P	IBC 714.4.2, 1705.17.1
B. VERIFY INSTALLATION AGAINST THE CONTRACT DOCUMENTS AND APPROVED MATERIAL/INSTALLATION SUBMITTALS.	P	IBC 714.4.2, 1705.17.1
3. FOR EACH TYPE OF FIRESTOP, WITNESS 10% OF INSTALLATIONS - OR DESTRUCTIVE TESTING ON 2% OF INSTALLATIONS FOR 10,000 SF FLOOR AREA.	P	IBC 714.4.2, 1705.17.1
3. INSTALLATION OF FIRE-RESISTANT JOINT SYSTEMS IN ACCORDANCE WITH ASTM E2393		
A. VERIFY MATERIALS BEFORE INSTALLATION.	P	IBC 715.3, 715.4, 1705.17.2
B. VERIFY INSTALLATION AGAINST THE CONTRACT DOCUMENTS AND APPROVED MATERIAL/INSTALLATION SUBMITTALS.	P	IBC 715.3, 715.4, 1705.17.2
C. FOR EACH TYPE OF JOINT SYSTEM, WITNESS INSTALLATION OF A MINIMUM OF 5% OF THE TOTAL LINEAL FEET BEING INSTALLED - OR DESTRUCTIVE TESTING, DISASSEMBLY, OR VISUAL INSPECTION AT LEAST THE RATE OF 1 SAMPLE FOR EVERY 500 LINEAL FEET BEING INSTALLED.	P	IBC 715.3, 715.4, 1705.17.2

INSPECTION IS ONLY REQUIRED FOR HIGH-RISE BUILDINGS OR BUILDINGS ASSIGNED TO RISK CATEGORY III OR IV. ADDITIONS, CHANGES OF USE, EVALUATIONS PER CHAPTER 14 OF THE IBC, AND LEVEL 3 ALTERATIONS WITHIN EXISTING HIGH-RISE BUILDINGS OR BUILDINGS ASSIGNED TO RISK CATEGORY III OR IV SHALL ALSO REQUIRE THESE INSPECTIONS.



109 Conditwood Road, Rocky Mount, NC 27884 | P: 252.937.2500
208 W. Martin St., Raleigh, NC 27601

COURTROOM RENOVATIONS FOR:
CRAVEN COUNTY COURTHOUSE /
EOC / ANNEX
411 CRAVEN STREET
NEW BERN, NORTH CAROLINA



PRELIMINARY NOT FOR CONSTRUCTION



08/11/2023

GENERAL NOTE:
Prior to construction start, Contractor shall verify & be responsible for all Dimensions.

Revisions
ADDENDUM 2 10/27/2023

Date	Project No.
07-07-2023	22006
Drawn By	Sheet No.
VNA	3S0.4
Checked By	
MBC	
Sheet Title STATEMENT OF SPECIAL INSPECTIONS	