



Steven M. Clouse WRC Electrical System Improvements Phase 2A
Solicitation Number: CO-00443
Job No.: 21-6507

ADDENDUM 4
August 24, 2021

To Respondent of Record:

This addendum, applicable to work referenced above, is an amendment to the proposal request, plans and specifications and as such will be a part of and included in the Contract Documents. Acknowledge receipt of this addendum by entering the Addendum number and issue date on the space provided in submitted copies of the Proposal.

RESPONSES TO QUESTIONS

- 1. Specification 01416 i9s missing per the Table of Contents for the Steven M. Clouse WRC Electrical System Improvements - Phase 2A.

Response: Specification section added. Refer to Changes to the Specifications, item 1.

CHANGES TO THE SPECIFICATIONS

- 1. Add specification section as listed below, attached:
 - a. 01416 CODE REQUIRED SPECIAL INSPECTIONS AND PROCEDURES

CHANGES TO THE PLANS

- 1. N/A

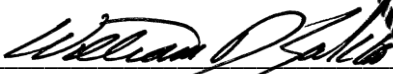
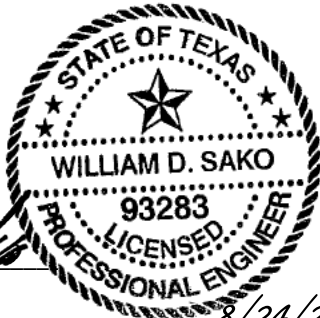
CLARIFICATIONS

- 1. Added specification section previously omitted.

END OF ADDENDUM

This Addendum, including this one (1) page is twenty-two (22) pages with attachments in its entirety.
Attachments:

Specification 01416 – 21 pages


William D. Sako
Gupta & Associates, Inc.
TBPE # F-2593

8/24/2021

SECTION 01416

CODE REQUIRED SPECIAL INSPECTIONS AND PROCEDURES

PART 1 GENERAL

1.01 DESCRIPTION

A. Scope:

1. CONTRACTOR shall provide all labor, materials, tools, equipment, and incidentals as shown, specified, and required to cooperate with the Registered Design Professional in Responsible Charge (RDPiRC), individual special inspectors, and testing agencies employed by OWNER, to facilitate special inspections.
2. Supplement A, Statement of Special Inspections, included with this Section, lists testing and inspections required.

1.02 DEFINITIONS

- A. Terminology used in this Specification shall comply with Chapter 17 of the International Building Code and the City of San Antonio Development Services Informational Bulletin 132 for definitions of terms related to special inspections, and the following.
- B. Registered Design Professional in Responsible Charge (RDPiRC): A registered design professional in the State of Texas, engaged by the OWNER to review the activities of the CONTRACTOR to assure compatibility with the design of the building or structure and the requirements of the contract documents, including submittal documents prepared by others, deferred submittal documents and phased submittal documents. Responsible for coordinating and verifying the inspection and testing required by the Determination of Required Special Inspections included in this Section.
- C. Special Inspections: Inspection of construction requiring the expertise of an approved Special Inspector to ensure compliance with approved Contract Documents and referenced standards as required by the IBC.
- D. Special Inspections – Continuous: Full time observation of Work requiring Special Inspection by the Special Inspector who is present continuously when and where the work to be inspected is being performed.
- E. Special Inspections - Periodic: Special Inspection by the Special Inspector who is intermittently present where the work to be inspected has been or is being performed.
- F. Special Inspectors: Qualified person employed or retained by OWNER or RDPiRC, having the competence necessary to inspect a particular type of construction requiring Special Inspection.

1.03 QUALITY ASSURANCE

A. Qualifications:

1. OWNER will employ and pay for services of the Registered Design Professional in Responsible Charge, who will have not less than five years of experience in managing, monitoring, and inspecting building construction.

2. Inspectors will be qualified in the responsibilities of the Special Inspection for which each is responsible .as well as being approved by the City of San Antonio Building Official as required by the City of San Antonio Development Services Informational Bulletin 132.

B. Regulatory Requirements:

1. Special Inspections will be in accordance with applicable building code and other Laws and Regulations, including City of San Antonio Special Inspection Program Policies, Procedures, and Guidelines, Information Bulletin 132, latest revision.

1.04 SUBMITTALS

A. Action Submittals: Submit the following:

1. Samples:
 - a. Samples: Representative Samples of materials when required by ENGINEER.

1.05 OWNER'S RESPONSIBILITIES

- A. Special Inspections are the OWNER's responsibility.
- B. OWNER is responsible for employing or contracting the RDPiRC.
- C. OWNER is responsible for contacting the building official, in writing, when there is a change of the RDPiRC.
- D. OWNER is responsible for special inspections fees/costs. There fees/costs are not included in any permit or plan review fees.

1.06 REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE RESPONSIBILITIES

A. Registered Design Professional in Responsible Charge will:

1. Complete, stamp, and sign Supplement A, Determination of Required Special Inspections, of this Section to provide names of each inspector and testing agency for each Special Inspection required. Providing supplement A to OWNER, CONTRACTOR, ENGINEER, and Building Official.
2. Engage services of inspectors and testing agencies for Special Inspections in accordance with Supplement A, Determination of Required Special Inspections, of this Section and as required by Laws and Regulations.
3. Assigning only trained, experienced, qualified special inspectors and technicians.
4. Coordinate activities of individual inspectors and testing agencies with CONTRACTOR.
5. Submitting associated special inspector field reports to the building official with a copy of the special inspector, OWNER, CONTRACTOR and ENGINEER, indicating compliance for any non-complying items reported and advising Building Official to allow work to continue.
6. Complete and provide to the Building Official, OWNER, CONTRACTOR and ENGINEER Supplement B, Final Report of Special Inspections, of this Section, documenting completion of Special Inspections and correction of discrepancies noted in the Special Inspections.

1.07 CONTRACTOR'S RESPONSIBILITIES

- A. Provide safe access to the Work to be tested and inspected.
- B. Provide assistance in obtaining and handling test samples at the Site.
- C. Facilitate inspections and tests.
- D. Provide access to Suppliers' and Subcontractors' operations as required.
- E. Notify Registered Professional in Responsible Charge and ENGINEER sufficiently in advance of the Work for the Registered Professional in Responsible Charge and ENGINEER to coordinate their personnel at the Site. Do not cover the Work to be inspected until Special Inspection has been completed and the results thereof are acceptable.
- F. CONTRACTOR shall keep a special inspections log book readily available for both the special inspectors and the city building inspector. The special inspections log book shall include a copy of the following:
 - 1. Determination Letter of Required Special Inspections.
 - 2. The special inspections log and sign in sheet (see Information Bulletin 132 for approved status log format).
 - 3. A copy of all special inspection reports from the special inspector.
 - 4. Any changes that may apply to special inspections on the project.
- G. Special Inspections required in this Section do not supersede or make unnecessary inspections and tests required under other Specification Sections or standard inspections required by Laws and Regulations.

1.08 INSPECTOR'S RESPONSIBILITIES

- A. Perform specified inspections, sampling, and testing of materials and methods of construction; review and ascertain compliance with Laws and Regulations.
- B. All special inspectors are required to be approved by the Building Official for the City of San Antonio (refer to Information Bulletin 132 for qualifications and application submittal requirements). Registered design professional, principal engineers, and architects in the State of Texas are exempt from submitting qualifications requirements. Individuals acting as Special Inspectors will be required to provide their license number on the Special Inspection Log Sheet.
- C. Promptly notify RDPIRC, OWNER, ENGINEER and CONTRACTOR of irregularities or deficiencies in the Work observed during Special Inspections. Corrective action, if required, will be determined by ENGINEER.
- D. If correction of non-complying items is not performed in a timely manner, the special inspector shall sign and submit a "Notice of Non-Compliance" as included in Supplement D of this Section to the Registered Design Professional in Responsible Charge, CONTRACTOR, and OWNER. In receiving the notice of non-compliance, OWNER may suspend all future work in the areas of such non-compliance until the non-compliant

items are corrected and the RDPIRC issues a field report to the Special Inspector, OWNER, and CONTRACTOR indicating compliance.

- E. Promptly prepare, sign, and submit each report of inspections and tests to OWNER, RDPIRC, ENGINEER, and CONTRACTOR. This report shall be prepared on the Report of Required Special Inspections form included in Supplement C.

PART 2 PRODUCTS (NOT USED)

PART 3 EXECUTION

3.01 FAILURE TO COMPLY

- A. Second or more inspections: All costs for reinspection of work requiring special inspection shall be billed to OWNER by ENGINEER for actual hours required to reinspect, and travel time to and from the job site, by ENGINEER. CONTRACTOR shall pay cost for second and subsequent inspections to OWNER at the completion of the project out of "retainage" as billed by OWNER.

3.02 SUPPLEMENTS

- A. The supplements listed below, following the "End of Section" designation, are part of this Section. Additional forms may be obtained directly for the City of San Antonio. Refer to City of San Antonio "Special Inspections Programs Policies, Procedures, and Guidelines."
 1. Supplement A – Determination of Required Special Inspections.
 2. Supplement B – Final Report of Special Inspections.
 3. Supplement D – Report of Required Special Inspections
 4. Supplement E – Notice of Non-Compliance.
 5. Supplement F – Fabricator's Certificate of Compliance.

END OF SECTION

SUPPLEMENT A DETERMINATION OF REQUIRED SPECIAL INSPECTIONS

Registered Design Professional in Responsible Charge Letterhead

[Date]
 San Antonio Water System
 [Owner
 address1]
 [Owner address
 2] [CSZ]

Determination of Required Special Inspections Section 1704

Project: [Project Name]
 [Project Address]
 San Antonio, Texas

Section 1704 of the *International Building Code*, as amended by the City of San Antonio, has been reviewed. The following is a list of the required special inspections applicable for this project. A detailed list may be found at the end of this document under the “Statement of Special Inspections.”

2015 IBC Section	Type of Special Inspections and Extent	Applicable	Non Applicable	Continuous or Periodic
1705.1.1	Special Cases		X	
1705.2	Steel construction		X	
1705.3	Concrete construction	X		Continuous
1705.4	Masonry construction		X	
1705.5	Wood construction		X	
1705.6	Soils	X		Continuous
1705.7	Driven deep foundations		X	
1705.8	Cast-in-place deep foundations		X	
1705.9	Helical pile foundations		X	
1705.10	Fabricated Items		X	
1705.11	Special Inspections for wind resistance		X	
1705.12	Special Inspections for seismic resistance		X	
1705.13	Testing for seismic resistance		X	
1705.14	Sprayed fire-resistant materials		X	
1705.15	Mastic and intumescent fire-resistant coatings		X	
1705.16	Exterior insulation and finish systems (EIFS)		X	
1705.17	Fire-resistant penetrations and joints		X	
1705.18	Special inspection for smoke control		X	

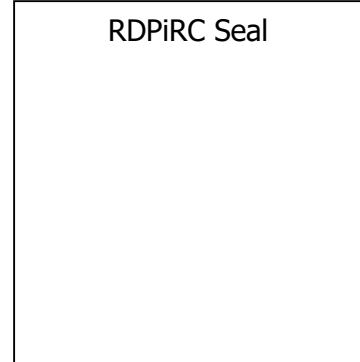
2015 IBC Section	Type of Special Inspections and Extent	Applicable	Not Applicable	Details
1706	Design Strength of Materials		X	
1707	Alternative Test Procedures		X	
1708	In-Situ Load Tests		X	
1709	Preconstruction Load Tests		X	

At the completion of construction, a final report written by the Registered Design Professional in Responsible Charge that documents all of the special inspections required will be submitted to the Owner and Contractor.

Respectfully,

[RDPIRC Firm Name]

[Signature of RDPIRC]



[Name of Registered Design Professional in Responsible Charge]

cc: General Contractor, Owner, Engineer

Statement of Special Inspections

General

1. This statement of Special Inspections has been developed specifically for the Steven M. Clouse WRC Electrical Systems Improvements Phase II project only.
2. The statement of Special Inspections provides compliance with the provisions of the 2015 International Building Code (IBC) Chapter 17 for Special Inspection, Professional Observation and Testing.

SUPPLEMENT B
FINAL REPORT OF REQUIRED SPECIAL
INSPECTIONS

Registered Design Professional in Responsible Charge Letterhead

[Date]
San Antonio Water System
[Owner
address1]
[Owner address
2] [CSZ]

Final Report of Required Special Inspections

Project: [Project Name]
[Project Address]
San Antonio, Texas

The appropriate design professionals prepared and submitted a list of required special inspections (as required by the International Building Code Section 1704.1).

As the registered design professional in responsible charge for all required inspections for this project during construction, to the best of my information, knowledge and belief, the listed required inspections and tests for this project have been performed and all discovered discrepancies have been resolved.

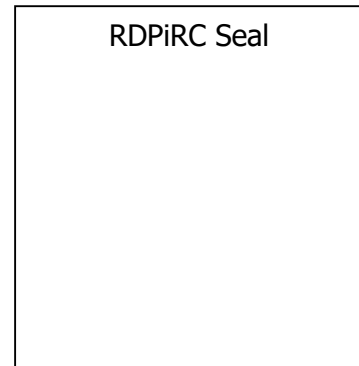
Inspections and tests performed, either periodically or continuously, represent all the work for the item inspected.

Respectfully,

[RDPiRC Firm Name]

[Signature of RDPiRC]

[Name of Registered Design Professional in Responsible Charge]



cc: General Contractor, Owner, Engineer
All Special Inspectors listed below

SOILS						
1. VERIFY MATERIALS BELOW SHALLOW FOUNDATIONS ARE ADEQUATE TO ACHIEVE THE DESIGN BEARING CAPACITY	1705.6		SECTION 02315, EXCAVATION AND FILL	X		PROFESSIONAL OBSERVATION BY GEOTECHNICAL ENGINEER SERVING AS SPECIAL INSPECTOR
2. VERIFY EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED PROPER MATERIAL	1705.6		SECTION 02315, EXCAVATION AND FILL	X		PROFESSIONAL OBSERVATION BY GEOTECHNICAL ENGINEER SERVING AS SPECIAL INSPECTOR
3. PERFORM CLASSIFICATION AND TESTING OF COMPACTED FILL MATERIALS	1705.6		SECTION 02315, EXCAVATION AND FILL	X		PROFESSIONAL OBSERVATION BY GEOTECHNICAL ENGINEER SERVING AS SPECIAL INSPECTOR
4. VERIFY USE OF PROPER MATERIALS, DENSITIES, AND LIFT THICKNESSES DURING PLACEMENT AND COMPACTION OF COMPACTED FILL	1705.6		SECTION 02315, EXCAVATION AND FILL		X	PROFESSIONAL OBSERVATION BY GEOTECHNICAL ENGINEER SERVING AS SPECIAL INSPECTOR
5. PRIOR TO PLACEMENT OF COMPACTED FILL, INSPECT SUBGRADE AND VERIFY THAT SITE HAS BEEN PREPARED PROPERLY	1705.6		SECTION 02315, EXCAVATION AND FILL	X		PROFESSIONAL OBSERVATION BY GEOTECHNICAL ENGINEER SERVING AS SPECIAL INSPECTOR
CONCRETE CONSTRUCTION						
1. INSPECTION OF REINFORCING STEEL, INCLUDING PRESTRESSING TENDONS, AND PLACEMENT	1705.3	ACI 318: Ch. 20, 25.2, 25.3, 26.5.1-26.5.3	SECTION 03200 CONCRETE REINFORCING	X		
2. REINFORCING BAR WELDING:						NOT ALLOWED UNLESS APPROVED BY ENGINEER. SEE STEEL CONSTRUCTION FOR WELDING

						INSPECTION REQUIREMENTS
A. VERIFY WELDABILITY OF REINFORCING BARS OTHER THAN ASTM A706.	1705.3	AWS D1.4 ACI 318: 26.5.4	SECTION 03200 CONCRETE REINFORCING	X		
B. INSPECT SINGLE PASS FILLET WELDS, MAXIMUM 5/6"	1705.3	AWS D1.4 ACI 318: 26.5.4	SECTION 03200 CONCRETE REINFORCING	X		
C. INSPECT ALL OTHER WELDS	1705.3	AWS D1.4 ACI 318: 26.5.4	SECTION 03200 CONCRETE REINFORCING		X	
3. INSPECT ANCHORS CAST IN CONCRETE	1705.3	ACI 318: 17.8.2	SECTION 05051 ANCHOR SYSTEMS	X		
4. INSPECT ANCHORS POST-INSTALLED IN HARDENED CONCRETE MEMBERS						
A. ADHESIVE ANCHORS INSTALLED IN HORIZONTALLY OR UPWARDLY INCLINED ORIENTATIONS TO RESIS SUSTAINED LOADS	1705.3	ACI 318: 17.8.2.4	SECTION 05051 ANCHOR SYSTEMS		X	
B. MECHANICAL ANCHORS AND ADHESIVE ANCHORS NOT DEFINED IN 4.A.	1705.3	ACI 318: 17.8.2	SECTION 05051 ANCHOR SYSTEMS	X		
5. VERIFY USE OF REQUIRED DESIGN MIX	1705.3	ACI 318: Ch. 19, 26.4.3, 26.4.4	SECTION 03300 CAST-IN-PLACE CONCRETE	X		
6. PRIOR TO CONCRETE PLACEMENT, FABRICATE SPECIMENS FOR STRENGTH TESTS, PERFORM SLUMP AND AIR CONTENT TESTS, AND DETERMINE THE TEMPERATURE OF THE CONCRETE.	1705.3	ASTM C 172, ASTM C 31, ACI 318: 26.4.5, 26.12	SECTION 03300 CAST-IN-PLACE CONCRETE		X	
7. INSPECT CONCRETE AND SHOTCRETE PLACEMENT FOR PROPER APPLICATION TECHNIQUES	1705.3	ACI 318: 26.4.5	SECTION 03300 CAST-IN-PLACE CONCRETE		X	
8. VERIFY MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUES	1705.3	ACI 318: 26.4.7-26.4.9	SECTION 03300 CAST-IN-PLACE CONCRETE	X		

9. INSPECTION OF PRESTRESSED CONCRETE						
A. APPLICATION OF PRESTRESSING FORCES	1705.3	ACI 318: 26.10	SECTION 03432, PRECAST CONCRETE HOLLOW CORE PLANKS		X	REVIEW OF PCI CERTIFICATION IN LIEU OF CONTINUOUS SPECIAL INSPECTION.
B. GROUTING OF BONDED PRESTRESSING TENDONS	1705.3		SECTION 03432, PRECAST CONCRETE HOLLOW CORE PLANKS		X	REVIEW OF PCI CERTIFICATION IN LIEU OF CONTINUOUS SPECIAL INSPECTION.
10. ERECTION OF PRECAST CONCRETE MEMBERS	1705.3	ACI 318: 26.8	SECTION 03432, PRECAST CONCRETE HOLLOW CORE PLANKS		X	
11. VERIFY IN-SITU CONCRETE STRENGTH, PRIOR TO STRESSING OF TENDONS IN POST-TENSIONED CONCRETE AND PRIOR TO REMOVAL OF SHORING AND FORMS FROM BEAMS AND STRUCTURAL SLABS	1705.3	ACI 318: 26.10.2	SECTION 03100 CONCRETE FORMWORK		X	
12. INSPECT FORMWORK FOR SHAPE, LOCATION AND DIMENSIONS OF THE CONCRETE MEMBER BEING FORMED	1705.3	ACI 318: 26.10.1(b)	SECTION 03100 CONCRETE FORMWORK		X	
NOTES:						
1. PERIODIC INSPECTION IS DEFINED AS INSPECTION BY THE SPECIAL INSPECTOR OF ALL MATERIALS AND SYSTEMS, IN SOME CASES PERFORMED DURING THEIR PLACEMENT AND IN ALL CASES PERFORMED UPON COMPLETION OF THEIR PLACEMENT. THE COMPLETION INSPECTION SHALL BE PERFORMED SO THAT WORK CAN BE CORRECTED PRIOR TO OTHER RELATED WORK PROCEEDING.						

SUPPLEMENT C
REPORT OF REQUIRED SPECIAL
INSPECTIONS

Special Inspector Letterhead

[Date]

[Registered Design Professional in Responsible Charge (RDPiRC)]

[Address 1]

[Address 2]

[CSZ]

Report of Required Special Inspections

Project: [Project Name]

[Project Address]

San Antonio, Texas

The appropriate design professionals prepared and submitted a list of required inspections (as required by the *International Building Code* Section 1704.2 as amended by the City of San Antonio).

As your special inspector for the specific required inspections listed below for this project during construction, to the best of my information, knowledge and belief, the listed required inspections and tests for this project have been performed and all discovered discrepancies have been resolved.

Inspections and tests performed, either periodically or continuously, represent all the work for the item inspected.

Respectfully,

[Inspector Firm Name]

[Signature of Inspector]

[Name of Inspector]

RDPiRC Seal

cc: General Contractor, Owner, Engineer
All Special Inspectors listed below

The following is a list of the required items of construction listed on the construction documents that I inspected:

Inspections Required	Special Inspector / Firm
Section 1705.1.1 Special Cases:	_____
Section 1705.2 Steel Construction:	_____
Section 1705.1.1 Concrete Construction:	_____
Section 1705.1.1 Masonry Construction:	_____
Section 1705.1.1 Wood Construction:	_____
Section 1705.1.1 Soils:	_____
Section 1705.1.1 Driven Deep Foundations:	_____
Section 1705.1.1 Cast-In-Place Deep Foundations:	_____
Section 1705.1.1 Helical Pile Foundations:	_____
Section 1705.1.1 Fabricated Items:	_____
Section 1705.1.1 Special Inspections for Wind Resistance:	_____
Section 1705.1.1 Special Inspections for Seismic Resistance:	_____
Section 1705.1.1 Testing for Seismic Resistance:	_____
Section 1705.1.1 Sprayed Fire-Resistant Materials:	_____
Section 1705.1.1 Mastic and Intumescent Fire-Resistant Coatings:	_____
Section 1705.1.1 Exterior Insulation and Finish Systems:	_____
Section 1705.1.1 Fire Resistant Penetrations and Joints:	_____
Section 1705.1.1 Special Inspections for smoke control (see IB 185):	_____
Section 1705.1.1 Design Strength of Materials:	_____
Section 1705.1.1 Alternative Test Procedures:	_____
Section 1705.1.1 In-Situ Load Tests:	_____
Section 1705.1.1 Preconstruction Load Tests:	_____

Notes:

- List includes only the inspections performed by this inspector. Other inspectors for the other required inspections listed on the construction documents will submit other statements.

Additional Comments:

SUPPLEMENT D

NOTICE OF NON-COMPLIANCE

Special Inspector Letterhead

Page 1 of 3

[Date]

[Registered Design Professional in Responsible Charge (RDPiRC)]

[Address 1]

[Address 2]

[CSZ]

NOTICE OF NON-COMPLIANCE

Project: [Project Name]

[Project Address]

San Antonio, Texas

According to Section 1704.2.4 of the 2015 *International Building Code*, discrepancies shall be brought to the attention of the registered design professional in responsible charge.

As a special inspector for the specific required special inspections for this project during construction, special inspections performed indicate that the construction of the does not comply with the requirements of the construction documents.

DO NOT COVER OR CONCEAL ANY WORK IN AREAS OF NON-COMPLIANCE UNTIL CORRECTING THE NON-COMPLIANT WORK AND RECEIVING A FIELD REPORT INDICATING THE WORK IS CORRECTED.

Attached are test/inspection reports describing the non-compliant construction.

Respectfully,

[Special Inspector Firm Name]

[Signature of Special Inspector]

[Name of Inspector]

Seal (if applicable)

cc: General Contractor, Owner, Engineer

**SUPPLEMENT E
FABRICATOR'S CERTIFICATE OF
COMPLIANCE**

Fabricator's Certificate of Compliance

Each approved fabricator that is exempt from Special Inspection of shop fabrication and implementation procedures per section 1704.2.5.1 of the International Building Code must submit a *Fabricator's Certificate of Compliance* at the completion of fabrication

Project:

Fabricator's Name:

Address:

Certification or Approval Agency:

Certification Number:

Date of Last Audit or Approval:

Description of structural members and assemblies that have been fabricated:

I hereby certify that items described above were fabricated in strict accordance with the Contract Documents.

Signature

Date

Title

Attach copies of fabricator's certification or building code evaluation service report and fabricator's quality control manual