

STATE OF TEXAS §

KNOW ALL MEN BY THESE PRESENTS:

COUNTY OF WEBB §

Construction Contract

Webb County HVAC Upgrades to the Justice of the Peace Precinct 2, Place 2 Building

This Agreement is made and entered into by and between **WEBB COUNTY, TEXAS**, a Political Subdivision of the State of Texas (hereinafter "Owner") and **Temprite Mechanical, Inc.**, a Texas Domestic For Profit Corporation (hereinafter "Contractor").

WHEREAS at the Webb County Commissioner's Court Meeting held on March 28, 2022, the Court awarded Request for Proposal No. 2022-002, "Justice of the Peace Precinct 2, Place 2 HVAC Upgrades" (the "Project"), as set out in the Scope of Services attached as Exhibit "A" incorporated herein and made part of this construction contract.

For and in consideration of the mutual covenants herein set forth, and other good and valuable consideration, the Parties do hereby agree as follows:

1. **DESCRIPTION OF PROJECT:** The project consists of the installation of Heating, Ventilation, and Cooling (HVAC) Systems as Upgrades to the Justice of the Peace Precinct 2, Place 2 building. The work includes the installation of HVAC equipment with associated ductwork and as shown in the Project's Plans and Specifications for this Project, including all labor, materials, and all incidentals as shown and required by the construction documents.
2. **PREMISES DEFINED:** The Justice of the Peace Precinct 2, Place 2, building is located at 901 South Milmo, Laredo, Webb County Texas.
3. **SCOPE OF WORK:** The Scope of Work is all of the Work, including all appurtenances and all incidentals, all labor and materials, as shown and required by the construction documents, which are hereby incorporated by reference. Contractor agrees that all work shall be performed in a good and workmanlike manner and all materials incorporated into the work shall be new materials.
4. **CONTRACT SUM:** In exchange for Contractor's performance of services under this Agreement, Owner shall pay Contractor the following amount(s): **ONE HUNDRED TWENTY-SEVEN THOUSAND ONE HUNDRED DOLLARS (\$127,100.00)**. The Contract Sum includes a **Five Thousand Dollars (\$5,000.00) Owner's Contingency, which will be returned to Owner if said Contingency is not used in the Project by Owner**. Any and all payments/disbursements by Webb County shall be made payable to contractor based on a numbered and itemized payment application for percentage of completion of the various base bid item(s), less retainage, for the project as agreed to and made by Contractor to Owner, which shall be approved by **Luis Perez-Garcia, P.E., Webb County Engineer, and/or Guillermo Cuellar, P.E., Webb County Engineering Dept.**, after inspecting the progress of completed work and materials on site at the Premises. Said approvals shall not be unduly withheld or delayed.

5. Owner shall make final payment (including the costs and expenses incurred due to change order(s) completed during this project and completion of the Work and then release the **Five percent (5%) retainage** that OWNER previously retained) to Contractor on the day the Project is completed approved and accepted by OWNER. Said approvals shall not be unreasonably withheld or delayed.
6. *It is hereby expressly acknowledged, consented and agreed to by Contractor that the final payment due for the materials and/or services rendered pursuant to this Agreement shall not be issued to Contractor until Contractor has submitted a signed and sworn "Final Bills Paid Affidavit" confirming payment to each of its subcontractors, laborers, suppliers, and materialmen in full for all labor and materials furnished to Contractor for or in connection with, renovation of, or repair of improvements on or relating to the subject project/property or any portion thereof, pursuant to and in accordance with Sections 53.085 and 53.259 of the Texas Property Code, and that the intentional, knowing, or reckless making of a false or misleading statement in the Affidavit constitutes a criminal offense under said sections cited herein-above and is a Class A Misdemeanor.*
7. **RETAINAGE:** OWNER shall withhold from each installment payment to CONTRACTOR a retainage of FIVE (5%) percent. The retainage shall be paid to CONTRACTOR upon final completion of the work. Completion of the work shall be considered final upon acceptance and written approval by OWNER or his designated representative of the project.
8. **CHANGE ORDERS** In the event either party requests a change from the agreed Scope of Work or Quote in this Agreement, a written change order making such a request shall be prepared by Contractor in accordance with the proposed change. If the Owner or a Third-Party Inspector ("Inspector") requests a change be executed, Owner or Inspector shall, in a timely manner, inform Contractor (via email) of the request. Contractor shall then prepare a written change order in accordance with said request and submit to Owner for Owner's approval and signature. As soon as Owner signs the change order approving the proposed change, Owner shall submit, via email, the approved/signed order to Contractor. Contractor shall begin performance in accordance with the change order only after Contractor receives the written and approved/signed change order. If Contractor requests a change order, Contractor shall prepare a written change order, submit it to Owner for its approval and signature, and the resultant change will only begin on the approved change after Contractor receives the signed change order. Change orders may increase the payment the Owner must pay to Contractor. **IN NO EVENT SHALL THE TOTAL COST OF CHANGE ORDERS EXCEED TWENTY-FIVE PERCENT (25%) OF THE TOTAL AMOUNT OF THIS AGREEMENT.**
9. **NOTICES/CONTACT PERSONS:** Any notice or communication required or permitted to be given hereunder shall be sufficient if sent via electronic transmission to the contact persons for CONTRACTOR and/or OWNER as follows:

To Contractor at: Rene Salinas, President
 Temprite Mechanical, Inc.
 2806 Cortez Street

Laredo, Texas 78043
E-Mail: rene@temprite-mechanical.com

To Webb Engineer at: WEBB COUNTY, TEXAS
Luis Perez-Garcia, P.E./Webb County Engineer
Webb County Engineering Dept.
(956) 523-4054
lperezgarcia@webbcountytexas.gov

10. **CONTRACT PERFORMANCE:** The Effective Date of this Contract shall be the date of the last signatory to this Contract. Upon the Effective Date, Contractor *shall* only have twenty-five (25) weeks or One-Hundred Seventy-Five (175) calendar days from the Effective Date to procure and accept delivery of the HVAC units (“Units”) for the Project from Contractor’s Supplier(s). Failure by Contractor to procure the Units for this Project within the timeline set out under this section shall be considered a material breach of this Contract by Contractor whereby Owner may terminate this Contract for “cause” for nonperformance.
11. **DATE OF COMMENCEMENT:** Within **SEVEN (7) CALENDAR DAYS** of being issued a “Notice to Proceed” from the County. The “Notice to Proceed” shall be issued within twenty-five (25) weeks or One Hundred and Seventy-Five (105) calendar days from the Effective Date and upon the Webb County Engineer conducting his preconstruction meeting.
12. **SUBSTANTIAL COMPLETION:** Substantial Completion is the stage in the progress of the completion of the work covered by this Agreement where the work on the Premises is sufficiently complete in accordance with the work specified in “Scope of Work” as set forth in Section 3. above, including completion of all post-construction clean-up on and about the Premises, which shall be required to be confirmed in writing as being substantially completed, by the execution and issuance of a Certificate of Substantial Completion that is dated and signed by both the Webb County Project Engineer and Owner, so that the Owner (or Owner’s tenant) can occupy and/or utilize the Premises for its intended use.
13. **DATE FOR FINAL COMPLETION/LIQUIDATED DAMAGES:** The date of final completion of this construction project shall be **FOURTEEN DAYS (14) CALENDAR DAYS** after the date of commencement of construction as set forth in the written and dated notice to proceed issued by Owner to Contractor.
14. The time set forth in the proposal for the completion of the Work is an essential element of the Agreement. For each working day under the conditions described in the preceding Paragraph that any work shall remain uncompleted after the expiration of the working days specified in the Agreement, together with any additional working days allowed, the amount per day given in Section 15 will be deducted from the money due or to become due the Contractor, not as a penalty but as liquidated damages.
15. Said Contractor further agrees to **CONTINUOUSLY PURSUE AND COMPLETE THE WORK** within **FOURTEEN (14) CALENDAR DAYS** from date of commencement.

16. Contractor and Owner do hereby acknowledge that "actual damages are uncertain and would be difficult to ascertain" and therefore both parties do hereby mutually agree that the following stipulated sum of per diem liquidated damages is a reasonable amount. The parties further express and acknowledge that the amount of liquidated damages is meant to be "compensatory" and not "punitive", and Contractor further agrees to pay, as liquidated damages, the sum of FOUR HUNDRED (\$400.00) per day for each consecutive calendar day there-in-after the date of Substantial Completion and after the date of Final Completion.

17. **INSURANCE: Contractor and Subcontractor Insurance:** The financial integrity of Contractor is of interest to the Owner, therefore, subject to the right of Contractor to maintain reasonable insurance deductibles in such amounts as are approved by the Owner. Contractor shall obtain and maintain in full force and effect for the entire duration of this agreement, and any extension hereof, at Contractor's sole expense, insurance coverage written on an occurrence basis, by companies authorized and admitted to do business in the State of Texas and rated A-:(VII) or better by A.M. Best Company (Best's Key Insurance Company Rating Guide, current edition and/or as amended) and/or otherwise acceptable to Webb County/Webb County Risk Manager, the following types and amounts:

- a. The Contractor shall not commence work under this Agreement until it has obtained all the insurance required and such insurance has been approved by the Owner, nor shall the Contractor allow any subcontractor to commence work on its Subcontract until the insurance required of the Subcontractor has been so obtained and approved. The Contractor shall procure and shall maintain during the life of his Contract, insurance in the amounts required.

18. **PAYMENT AND PERFORMANCE BONDS: ***PLEASE BE ADVISED THAT THIS PROJECT REQUIRES BOTH A PAYMENT & PERFORMANCE BOND FROM THE CONTRACTOR.*****

19. Contractor shall supply the required Performance/Payment bonds to Webb County within Seven (7) days of execution of this Agreement or not later than Two (2) working days prior the date of the scheduled pre-construction meeting which shall be the "DEADLINE" for compliance herewith and which both parties have mutually agreed to as an "Express Condition Precedent" to this contract.

- a. Bonds must be issued by companies authorized and admitted to do business in the State of Texas and rated A-:VII or better by A.M. Best Company (Best's Key Rating Guide, current Edition, and as amended) and/or otherwise acceptable to the Owner.

20. **NOTICE TO PROCEED SHALL NOT BE ISSUED TO THE CONTRACTOR BY WEBB COUNTY WITHOUT THE DELIVERY OF ALL STATUTORILY REQUIRED PERFORMANCE AND/OR PAYMENT BONDS AND PROOF OF ALL REQUIRED INSURANCE POLICIES TO WEBB COUNTY BY CONTRACTOR NOT LATER THAN TWO (2) WORKING DAYS PRIOR THE DATE OF THE SCHEDULED PRE-CONSTRUCTION MEETING "DEADLINE". FAILURE OF CONTRACTOR TO**

PROVIDE SAID BONDS AND/OR INSURANCE POLICIES BY THE DEADLINE SHALL CONSTITUTE A DEFAULT OF YOUR CONTRACT AND WEBB COUNTY SHALL AT THEIR SOLE OPTION AWARD THE CONTRACT TO THE NEXT LOWEST BIDDER OR RE-ADVERTISE THIS PROJECT FOR NEW BIDS/PROPOSALS.

- 21. RELATIONSHIP OF PARTIES:** Contractor is engaged under this Agreement as an **"INDEPENDENT CONTRACTOR"** and not as an agent or employee of Owner. Contractor is not entitled to benefits of any kind to which Owner's employees are entitled, including but not limited to unemployment compensation, workers' compensation, health insurance, or retirement benefits. Contractor assumes full responsibility for payment of all federal, state and local taxes or contributions, including but not limited to, unemployment insurance, social security, Medicare, and income taxes with respect to Contractor and Contractor's employees. This Agreement does not create a partnership or a joint venture between the parties hereto, nor does it authorize either party to serve as the legal representative or agent of the other. Neither party has any right or authority to assume, create, or incur any liability or any obligation of any kind, express or implied, against, or in the name of, or on behalf of the other party.
- 22. SUCCESSORS AND ASSIGNS:** This Agreement may not be assigned or subcontracted, in full or in part, by either party without first obtaining written consent of the other party. The parties shall not be relieved of its full responsibility for completion of work because of subletting of any portion of the work. This Agreement shall be binding upon and shall ensue to the benefit of the parties hereto and their respective successors, transferees, and assigns.
- 23. INDEMNITY: CONTRACTOR SHALL DEFEND, INDEMNIFY, AND HOLD WEBB COUNTY, IT'S COMMISSIONERS COURT, DIRECTORS, EMPLOYEES, AND AGENTS HARMLESS FROM ANY AND ALL LOSS, EXPENSE, COST, OR LIABILITY (INCLUDING REASONABLE LEGAL FEES AND EXPENSES), ARISING FROM ANY CLAIM OR CAUSE OF ACTION FOR ANY LOSS OR DAMAGE CAUSED BY OR ARISING FROM THE PERFORMANCE OF CONTRACTOR'S OBLIGATIONS UNDER THIS AGREEMENT, INCLUDING, BUT NOT LIMITED TO, THE CONDUCT OF CONTRACTOR'S EMPLOYEES AND/OR ANY ACTS PERFORMED UNDER THIS CONTRACT AND THAT RESULT FROM ANY NEGLIGENT ACT, ERROR, OR OMISSION OF THE CONTRACTOR OR OF ANY PERSON EMPLOYED BY THE CONTRACTOR. IN CASE OF ANY SUCH CLAIM, CONTRACTOR, UPON NOTICE FROM OWNER, COVENANTS TO DEFEND ANY SUCH ACTION OR PROCEEDING. THE CONTRACTOR SHALL ALSO SAVE AND HOLD HARMLESS THE OWNER FROM AND AGAINST ANY AND ALL EXPENSES, COURT COSTS, INCLUDING, BUT NOT LIMITED TO, ATTORNEY'S FEES THAT MIGHT BE INCURRED IN LITIGATION OR OTHERWISE DEFENDING OR PROSECUTING THE CLAIMS.**
- 24. COMPLIANCE WITH LAWS:** Contractor agrees that it will, in its performance of its obligations hereunder, fully comply with all applicable laws, regulations and ordinances of all relevant authorities, including, but not limited to, those pertaining to safety, and shall obtain all licenses, registrations, or other approvals required in order to fully perform its

obligations hereunder. Contractor represents and warrants that all improvements made to the property shall comply with the Americans with Disabilities Act (ADA) and all other applicable Federal/State Codes, regulations, and laws.

25. **SEVERABILITY:** Should any part of this Agreement be rendered or declared invalid by a court of competent jurisdiction of the State of Texas, such invalidation of such part or portion of this Agreement shall not invalidate the remaining portions thereof, and they shall remain in full force and effect.
26. **GOVERNING LAW/VENUE:** This agreement shall be governed by and construed and interpreted in accordance with the laws of the State of Texas, without regard to choice of law rules of any jurisdiction. The parties hereby further agree that for any litigation regarding this agreement that venue lies exclusively in the State Courts of Webb County, Texas.
27. **OWNER'S RIGHT TO TERMINATE.** Owner may terminate this this Agreement upon thirty (30) days prior written notice. If Owner terminates this Agreement then Contractor shall only be paid for the work performed or expenses incurred prior to the receipt of notice of termination.
28. **DEFAULT AND TERMINATION:** In the event either party interferes with the general progress of this Project intentionally, or by negligence, or intentional or negligent delay, the non-defaulting party may complete the same or cause the same to be completed and charge all sums of money so expended for the completion of this Agreement against the defaulting party, and the defaulting party shall reimburse the non-defaulting Party for any loss sustained thereby.
29. **ATTORNEY'S FEES:** In the event either party breaches any of the terms of this Agreement whereby the party not in default employs attorneys to protect or enforce its rights hereunder and prevails, then the defaulting party agrees to pay the other party reasonable attorney's fees incurred by such other party.
30. **ENTIRE AGREEMENT:** This Agreement and its Exhibits shall constitute the complete and exclusive written expression of the intentions of the parties hereto and shall supersede all previous communications, representations, agreements, promises or statements, either oral or written, by and between the parties. Any modifications to this Agreement must be in writing and signed by the party sought to be bound.
31. **EXHIBITS:** The following documents are attached hereto and fully incorporated herein by reference and made a part of this agreement as if fully set forth herein:
 1. **Contractor's Scope of Services** attached hereto as **Exhibit "A"**).
 2. Description of Premises (See Section 2) **Exhibit "B"**
 3. Construction/Plans/Drawings, **Exhibit "C"**.
 4. Webb County's General Conditions, **Exhibit "D"**.

5. Payment Bond - See sample form: (To be provided by Contractor Prior to Issuance of Notice to Proceed). (See Section 18**), "**Exhibit E**".
 6. Performance Bond – See sample form: (To be provided by Contractor Prior to Issuance of Notice to Proceed). (See Section 18**), "**Exhibit F**".
 7. Insurance Coverages, Liability, Worker's Comp., Builder's Risk, etc. (To be provided by Contractor Prior to Issuance of Notice to Proceed as set out in Webb County's General Conditions).
 8. Webb County's "Notice to Proceed Letter" - See sample form "**Exhibit G**".
- 32. OMISSIONS:** If any punctuation, word, clause, sentence, or provision necessary to give meaning, validity, or effect to any portion of this Agreement shall be omitted here-from, then it is hereby declared that such omission was unintentional and that the omitted element shall be included in order to give meaning, validity, and/or effect to any portion of this Agreement.
- 33. MATERIALMEN/SUPPLIERS:** Contractor within 10 days from the date of the execution of this agreement shall provide an updated and current listing of all Subcontractors and/or Materialmen or Suppliers, and all laborers, used by the Contractor to Webb County and Contractor shall notify the Owner in writing whenever changes occur, and Contractor shall provide the Owner with an updated listing within FIVE (5) working days of upon request for an updated listing. Contractor will immediately notify the Owner in writing of any Subcontractors and/or Materialmen or Suppliers, and all laborers, independent contractors, and/or other such materialmen and/or suppliers services that are discontinued and/or that have been added to their workforce.
- 34. REQUEST FOR PAYMENT SUBMISSION:** All request for payments are to be made payable to Contractor by dated and signed invoice(s). Said invoice and/or request for progress payments shall be submitted in writing to **Luis Perez-Garcia, P.E., Webb County Engineer**, or its designated and authorized representative, on behalf of Owner for review and approval of same. Upon review and approval of the request for payment by **Luis Perez-Garcia, P.E., Webb County Engineer**, on behalf of Owner, the Webb County Engineer shall then forward the approved request for the payment amount **[less Five percent (5%) retainage]** to the Webb County Business Office to process the progress payment request. Payment will be mailed to Contractor or made available for pick up at the Webb County Business Office. Contractor agrees that Webb County will not process any invoices for the HVAC units for this Project until said HVAC units are delivered to the Project site.
- 35. COMPLIANCE WITH APPLICABLE LAWS AND ORDINANCES:** Contractor agrees to comply at all times with all federal, state, county, and/or City of Laredo building, development codes, city building permits, rules, regulations, ordinances and laws, and Contractor shall not permit the Premises or any part thereof to be used for (a) any offensive, noisy, or dangerous activity that would pose a health or safety risk; (b) the creation or maintenance of a public nuisance, (c) anything which is against public regulations or rules of any public authority at any time applicable to the Premises; or (d) any purpose or any manner

which will obstruct, interfere with, or infringe on the rights of other tenants or adjoining properties.

36. LEGAL CONSTRUCTION: In case any one or more of the provisions contained in the Agreement shall for any reason be held to be invalid, illegal, or unenforceable in any respect, such invalidity, illegality, or unenforceability shall not affect any other provision thereof and this Agreement shall be construed as if such invalid, illegal, or unenforceable provision had never been contained herein.

37. AMENDMENT: No amendment, modification, or alteration of the terms of this Agreement hereof shall be binding unless the same be in writing, dated subsequent to the date hereof, and approved by the Webb County Commissioner's Court and duly executed by both of the parties hereto.

38. TIME OF ESSENCE: Time is of the essence of this Agreement and each and every covenant, condition, and provision herein contained.

39. ADDITIONAL PROVISIONS:

- a. **Inconsistencies.** Where there exists any inconsistency between this Agreement and other provisions of collateral contractual agreements that are made a part hereof by reference or otherwise, the provisions of this Agreement shall control.
- b. **Entire Agreement.** This Agreement incorporates all the agreements, covenants, and understandings between the parties hereto concerning the subject matter hereof, and all such covenants, agreements, and understandings have been merged into this written Agreement. No other prior agreement or understandings, verbal or otherwise, of the parties or their agents shall be valid or enforceable unless signed by both parties and attached hereto and/or embodied herein.
- c. **No rights created.** This Agreement is not intended and does not create any rights or interest in persons not a party hereto.
- d. **Confidentiality.** Any confidential information provided to or developed by Consultant in the performance of this Agreement shall be kept confidential, unless otherwise provided by law, and shall not be made available to any individual or organization without the prior approval of **WEBB COUNTY.**
- e. **Headings.** The headings used herein are for convenience of reference only and shall not constitute a part hereof or affect the construction or interpretation hereof.
- f. **Waiver.** The failure on the part of any party to exercise or to delay in exercising, and no course of dealing with respect to any right hereunder shall operate as a waiver thereof; nor shall any single or partial exercise of any right hereunder preclude any other or further exercise thereof or the exercise of any other right. The remedies provided herein are

cumulative and not exclusive of any remedies provided by law or in equity, except as expressly set forth herein.

- g. Consequential Damages.** Neither party shall be liable to the other for consequential damages, including, without limitation, loss of use or loss of profits, incurred by one another or their subsidiaries or successors, regardless of whether such damages are caused by breach of contract, will-full misconduct, negligent act or omission, or other wrongful act of either of them.
- h. Counterparts.** This Agreement may be executed in any number of and by the different parties hereto on separate counterparts, each of which when so executed shall be deemed to be an original, and such counterparts shall together constitute but one and the same document.
- i. Terminology and Definitions.** All personal pronouns used herein, whether used in the masculine, feminine, or neutral, shall include all other genders; the singular shall include the plural and the plural shall include the singular.
- j. Rule of Construction.** The parties hereto acknowledge that each party and its legal counsel have reviewed and revised this agreement, and the parties hereby agree that the normal rule of construction to the effect that any ambiguities are to be resolved against the drafting party shall not be employed in the interpretation of this agreement or any amendments or exhibits hereto.

This Agreement becomes effective when signed by the last party whose signing makes the Agreement fully executed.

IN WITNESS WHEREOF, the parties aforesaid have duly executed the foregoing instrument, or caused the same to be executed in duplicate originals on the dates set forth below.

WEBB COUNTY

CONTRACTOR

TEMPRITE MECHANICAL, INC.

Tano E. Tijerina
Webb County Judge

Rene Salinas, President

Date: _____, 2022

Date: _____, 2022

ATTESTED:

Margie Ramirez-Ibarra
Webb County Clerk

APPROVED AS TO FORM:

Fortunato G. Paredes

Webb County Civil Legal Division

*By law, this office may only advise or approve contracts or legal documents on behalf of its clients. It may not advise or approve a contract or legal document on behalf of other parties. Our review of this document was conducted solely from the legal perspective of our client. Our approval of this document was offered solely for the benefit of our client. Other parties should not rely on this approval, and should seek review and approval of their own respective attorney(s).

EXHIBIT "A"

SCOPE OF SERVICES

I. Scope of Work: The Work required by Contractor in performance of this Scope Of Work (Material and Services) for the HVAC Upgrades to the Justice of the Peace, Place 1, Precinct 2, Building located at 901 South Milmo, Laredo, Texas and includes but not limited to:

- a. Install AC equipment and ductwork as shown on the contract documents. Refer to drawings of equipment that will be installed as provided by Mechanical Electrical Plumbing Engineer (MEP) as shown in the Plans and Specifications for the Project (Exhibit "C")
- b. HVAC: Provide all materials and labor associated with a complete operational installation of new HVAC systems including, but not limited to:
 - 1) DX Split & Roof Top Air Conditioning Units
 - 2) Sheet metal, Ductwork
 - 3) Air Test and Balance as per MEP specifications

Exhibit "B"

DESCRIPTION OF PROJECT SITE PREMISE LOCATIONS:

Justice of the Peace Precinct 2, Place 2 Location Information

901 Milmo

Laredo, Texas

Site Coordinates

27.48931/-99.47078

EXHIBIT "C"

12.22.21

DIVISION 23 – HEATING VENTILATION & AIRCONDITIONING

- 23 01 00 HEATING, VENTILATION AND AIR-CONDITIONING (HVAC)
- 23 05 10 COMMON WORK RESULTS FOR HVAC
- 23 23 00 REFRIGERANT PIPING
- 23 26 00 CONDENSATE DRAIN PIPING
- 23 73 12 DX SPLIT SYSTEM HEAT PUMP AIR CONDITONING UNITS
- 23 74 10 PACKAGED ROOFTOP DX HEAT PUMP AIR CONDITIONING UNITS



EXHIBIT "C"

SECTION 23 00 00

HEATING, VENTILATION AND AIR-CONDITIONING (HVAC)

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions

1.2 WORK COVERED BY CONTRACT DOCUMENTS

- A. The following Summary of Work is intended as an aid to achieve an understanding of the various elements of work included in the project, as is not intended to be all-inclusive. Detailed descriptions of work and requirements are given in drawings and specifications.
- B. Mechanical Contract Documents were prepared for the Project by:

Trinity MEP Engineering, LLC
3533 Moreland Dr. Ste. A
Weslaco, Texas 78596
Phone Number: (956) 973-0500
Contact Person: Leonardo Munoz, P.E.

- C. General Scope of Work:

1. Install AC equipment and ductwork as shown on the contract documents. Refer to drawings for schedule of equipment that will be installed. After installing equipment, connect power to unit.
2. HVAC: Provide all materials and labor associated with a complete operational installation of new HVAC systems including, but not limited to:

- DX Split & Roof Top Air Conditioning Units
- Sheet metal, Ductwork
- Air Test and Balance
-

1.3 COORDINATION

- A. All mechanical work shall be done under sub-contract to a General Contractor. Mechanical Contractor shall coordinate all work through General Contractor, even in areas where only mechanical work is to take place.
- B. Coordination between all trades shall take place on a regular basis to avoid conflicts between disciplines and equipment clearances.
- C. Work shall take place with minimal disruption to Owner's operations in areas surrounding the new building.
- D. Cooperate fully with other contractors so that work under those contracts may be carried out smoothly, without interfering with or delaying work under this Contract.
- E. Fully coordinate with electrical contractor for providing power to mechanical equipment.

EXHIBIT "C"

- F. Mechanical Contractor is responsible for all control wiring including thermostat(s). This includes all conduit, wire, and accessories both low voltage and source voltage for the controls' system. Mechanical Contractor will provide all the necessary actuators, relays, software, hardware, and all necessary accessories required for a fully functional controls' system.

1.4 UTILITIES

1. Coordinate with power, water, telephone, cable and gas utilities to locate all utilities prior to digging in any area.
2. Obtain any approvals required from utilities to relocate utilities.
3. Cost of relocating or bypassing utilities indicated on drawings shall be included in Base Bid.

1.5 CONTRACTOR USE OF PREMISES

- A. Use of the Site: Limit use of the premises to work in areas indicated. Confine operations to areas within contract limits indicated. Do not disturb portions of the site beyond the areas in which the Work is indicated.
 1. Owner Occupancy: Allow for Owner occupancy and use by the public.
 2. Driveways and Entrances: Keep driveways and entrances serving the premises, clear and available to the Owner, the Owner's employees, and emergency vehicles at all time. Do not use these areas for parking or storage of materials. Schedule deliveries to minimize space and time requirements for storage of materials and equipment on-site.
- B. Site Safety: Take every precaution to ensure the site does not present a threat to the safety of occupants and/or workers. Minimal safety requirements include, but are not limited to the following:
 1. Temporary fencing around construction areas.
 2. Yellow caution tape and construction barricades along open trenches during the day. Trenches shall be covered at night and warning lights provided on construction barricades.
 3. Temporary fencing around equipment while site work is in progress.

1.6 SUBMITTALS

1. To expedite the submittal process more efficiently, DO NOT piece-meal the submittals. Submit entire mechanical or plumbing in a bound enclosure. This will eliminate delays in the submittal process.

END OF SECTION

EXHIBIT "C"

SECTION 23 05 00

COMMON WORK RESULTS FOR HVAC

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

1.2 SUMMARY

- A. This Section includes the following basic mechanical materials and methods to complement other Sections.
 - 1. Piping materials and installation instructions common to most piping systems.
 - 2. Concrete base construction requirements.
 - 3. Escutcheons.
 - 4. Dielectric fittings.
 - 5. Flexible connectors.
 - 6. Mechanical sleeve seals.
 - 7. Equipment nameplate data requirements.
 - 8. Nonshrink grout for equipment installations.
 - 9. Field-fabricated metal and wood equipment supports.
 - 10. Installation requirements common to equipment specification sections.
 - 11. Cutting and patching.
 - 12. Touchup painting and finishing.

1.3 DEFINITIONS

- A. Finished Spaces: Spaces other than mechanical and electrical equipment rooms, furred spaces, pipe and duct shafts, unheated spaces immediately below roof, spaces above ceilings, unexcavated spaces, crawl spaces, and tunnels.
- B. Exposed, Interior Installations: Exposed to view indoors. Examples include finished occupied spaces and mechanical equipment rooms.
- C. Exposed, Exterior Installations: Exposed to view outdoors, or subject to outdoor ambient temperatures and weather conditions. Examples include rooftop locations.
- D. Concealed, Interior Installations: Concealed from view and protected from physical contact by building occupants. Examples include above ceilings and in duct shafts.
- E. Concealed, Exterior Installations: Concealed from view and protected from weather conditions and physical contact by building occupants, but subject to outdoor ambient temperatures. Examples include installations within unheated shelters.
- F. The following are industry abbreviations for plastic materials:
- G. PVC: Polyvinyl chloride plastic.
- H. The following are industry abbreviations for rubber materials:

- 1. EPDM: Ethylene propylene diene terpolymer rubber.

1.4 SUBMITTALS

- A. Product Data: For dielectric fittings, flexible connectors, mechanical sleeve seals, and identification materials and devices.

EXHIBIT "C"

- B. Coordination Drawings: Detail major elements, components, and systems of mechanical equipment and materials in relationship with other systems, installations, and building components. Show space requirements for installation and access. Indicate if sequence and coordination of installations are important to efficient flow of the Work. Include the following:
1. Planned piping layout, including valve and specialty locations and valve-stem movement.
 2. Clearances for servicing and maintaining equipment, accessories, and specialties, including space for disassembly required for periodic maintenance.
 3. Sizes and location of required concrete pads and bases.
 4. Floor plans, elevations, and details to indicate penetrations in floors, walls, and ceilings and their relationship to other penetrations and installations.
 5. Reflected ceiling plans to coordinate and integrate installation of air outlets and inlets, light fixtures, communication system components, sprinklers, and other ceiling-mounted items.

1.5 QUALITY ASSURANCE

- A. Comply with ASME A13.1 for lettering size, length of color field, colors, and viewing angles of identification devices.
- B. Equipment Selection: Equipment of higher electrical characteristics, physical dimensions, capacities, and ratings may be furnished provided such proposed equipment is approved in writing and connecting mechanical and electrical services, circuit breakers, conduit, motors, bases, and equipment spaces are increased. Additional costs shall be approved in advance by appropriate Contract Modification for these increases. If minimum energy ratings or efficiencies of equipment are specified, equipment must meet design and commissioning requirements.

1.6 DELIVERY, STORAGE, AND HANDLING

- A. Deliver pipes and tubes with factory-applied end caps. Maintain end caps through shipping, storage, and handling to prevent pipe end damage and prevent entrance of dirt, debris, and moisture.
- B. Protect stored pipes, ductwork, equipment, and tubes from moisture and dirt. Elevate above grade. Do not exceed structural capacity of floor, if stored inside.
- C. Protect flanges, fittings, and piping specialties from moisture and dirt.
- D. Store plastic pipes protected from direct sunlight. Support to prevent sagging and bending.

1.7 SEQUENCING AND SCHEDULING

- A. Coordinate mechanical equipment installation with other building components.
- B. Arrange for pipe spaces, chases, slots, and openings in building structure during progress of construction to allow for mechanical installations.
- C. Coordinate installation of required supporting devices and set sleeves in poured-in-place concrete and other structural components, as they are constructed.
- D. Sequence, coordinate, and integrate installations of mechanical materials and equipment for efficient flow of the Work. Coordinate installation of large equipment requiring positioning before closing in building.
- E. Coordinate connection of mechanical systems with exterior underground and overhead utilities and services. Comply with requirements of governing regulations, franchised service companies, and controlling agencies.
- F. Coordinate requirements for access panels and doors if mechanical items requiring access are concealed behind finished surfaces. Access panels and doors are specified in architectural section.

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- G. Coordinate installation of identifying devices after completing covering and painting, if devices are applied to surfaces. Install identifying devices before installing acoustical ceilings and similar concealment.

1.8 OPERATION PRIOR TO ACCEPTANCE

- A. When any equipment is operable, and it is to the advantage of the Contractor to operate the equipment, he may do so provided that he properly supervises the operation, and retains full responsibility for the equipment operated.
- B. Regardless of whether or not the equipment has or has not been operated, the Contractor shall clean the equipment properly, make required adjustments, and complete punch list items before final acceptance by the Owner.
- C. The date of acceptance by the Engineer, for beneficial use by the Owner, shall be the beginning date of the warranty period.

1.9 SPACE AND EQUIPMENT ARRANGEMENT

- A. The size of each item of mechanical equipment shown on the Drawings is based on the dimensions of a particular manufacturer as indicated. While other manufacturers may be acceptable, it shall be the responsibility of the Contractor to determine whether or not the equipment he proposes to furnish will fit into the space. Shop drawings shall be prepared when required by the engineer to indicate a suitable arrangement.
- B. Install equipment in a manner to permit access to all surfaces. Install valves, motors, drives, lubricating devices, filters, and other accessory items in a position to allow removal for service without requiring the disassembly of another part.
- C. Provide access panels acceptable to the Engineer for equipment that is concealed above ceiling space.
- D. Large equipment assemblies or components which will be installed in the building, and which are too large to permit access through doorways, stairways or shafts, shall be brought to the site and placed in the appropriate spaces before the enclosing structure is completed. Provisions shall be implemented by the Contractor to insure that the equipment will not be damaged in any way during the associated construction procedures.

1.10 START-UP OF EQUIPMENT AND SYSTEMS

- A. Whenever the manufacturer of a particular item of equipment or a particular system makes available a start-up service after completion of the installation, such manufacturer's start-up service (rendered by the manufacturer or his authorized representative) shall be provided.
- B. Witnessing and explanations of start-up services shall be included as part of the "Instruction of Owner's Personnel" as specified below.

1.11 INSTRUCTION OF OWNER'S PERSONNEL

- A. Provide the services of competent engineers or technicians acceptable to the Engineer to instruct representatives of the Owner in complete and detailed operation and maintenance of each item of equipment, and each system. These instructions shall be provided for whatever periods may be necessary to accomplish the desired results. Upon completion of these instructions, the Contractor shall obtain a letter of release, acknowledged by the Owner or his authorized representative, stating the dates on which the various kinds of instruction were given, and the personnel to whom the instructions were given.
- B. The Contractor shall be fully responsible for proper maintenance of equipment and systems until the instructions have been given to the Owner's personnel and the letter of release acknowledged.

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- C. In providing the instructions to the Owner's personnel, the written operating and maintenance manuals shall be followed in all instances, and the Owner's personnel shall be familiarized with such manuals. Operating and maintenance manuals used for instructions shall include piping diagrams, valve identification charts, control and interlocking wiring diagrams, manufacturers' operation and maintenance manuals, parts lists (with sources identified), and other data as appropriate for each system, and as required elsewhere in the Specifications to be furnished to the Owner prior to final acceptance of the project.
- D. Provide the Owner with three (3) complete sets of all maintenance manuals, pamphlets, brochures or instructions. This material shall be catalogued, indexed and bound into books.

1.12 ACCEPTABLE MANUFACTURERS

- A. A. Provide equipment and materials from listed manufacturers listed within this specification. Deviations from this specification will not be acceptable. When one manufacturer is listed, alternate materials and equipment may be provided "equal to" the listed. When more than one manufacturer is listed, equipment and material must be provided by one of the listed manufacturers.

PART 2 - PRODUCTS

2.1 STANDARD PRODUCTS

- A. Each item of equipment furnished under this Division of the Specifications shall be essentially the standard product of the manufacturer. Where two or more units of the same kind or class of equipment are required, these shall be the products of a single manufacturer; however, the component parts of the equipment need not be the products of one manufacturer.
- B. Materials and equipment shall be of the base quality normally used in good commercial practice, and shall be the products of reputable domestic manufacturers unless otherwise specified. Each major component shall bear a nameplate giving the name and address of the manufacturer, and the catalog number or designation of the component.

2.2 QUALITY AND CLASSIFICATION OF MATERIALS

- A. Materials and equipment shall be new and of the quality specified, and shall be free from defects at the time of installation. Materials or equipment damaged in shipment or otherwise damaged prior to installation shall not be repaired at the job site, but shall be replaced with new materials or equipment identical with those damaged.
- B. Wherever a UL standard has been established for a particular type of material or equipment, each such material or equipment provided on this project shall meet the requirements of the UL standard in every way and shall be UL listed and labeled.

2.3 LOCAL PARTS AND SERVICE

- A. Each item of equipment furnished on this project shall have local representation, factory-authorized service, and an adequate stock of repair parts. "Local" shall be defined, for this purpose, as "within 50 miles of the project site."

2.4 FLAME SPREAD PROPERTIES OF MATERIALS

- A. Materials used for insulation, acoustical linings, adhesives, jackets and coatings, and combinations of these materials, shall each have a flame spread rating of 25 or less, and a smoke developed rating of 50 or less, as determined by an independent testing laboratory in accordance with NFPA-255.

2.5 MANUFACTURERS

- A. Manufacturers: Subject to compliance with requirements, provide products by one of the following:
 - 1. Dielectric Unions:

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- a. Watts Industries, Inc.; Water Products Div.
- b. Zurn Industries, Inc.; Wilkins Div.
- 2. Mechanical Sleeve Seals:
 - a. Calpico, Inc.
 - b. Metraflex Co.
 - c. Thunderline/Link-Seal.

2.6 MECHANICAL SLEEVE SEALS

- A. Description: Modular design, with interlocking rubber links shaped to continuously fill annular space between pipe and sleeve. Include connecting bolts and pressure plates.

2.7 PIPING SPECIALTIES

- A. Sleeves: The following materials are for wall, floor, slab, and roof penetrations:
 - 1. Steel Sheet Metal: 0.0239-inch minimum thickness, galvanized, round tube closed with welded longitudinal joint.
 - 2. Steel Pipe: ASTM A 53, Type E, Grade A, Schedule 40, galvanized, plain ends.
 - 3. Cast Iron: Cast or fabricated "wall pipe" equivalent to ductile-iron pressure pipe, with plain ends and integral waterstop, unless otherwise indicated.
 - 4. Stack Sleeve Fittings: Manufactured, cast-iron sleeve with integral clamping flange. Include clamping ring and bolts and nuts for membrane flashing.
 - a. Underdeck Clamp: Clamping ring with set screws.
- B. Escutcheons: Manufactured wall, ceiling, and floor plates; deep-pattern type if required to conceal protruding fittings and sleeves.
 - 1. ID: Closely fit around pipe, tube, and insulation of insulated piping.
 - 2. OD: Completely cover opening.
 - 3. Cast Brass: One piece, with set screw.
 - a. Finish: Rough brass.
 - b. Finish: Polished chrome-plate.
 - 4. Cast-Iron Floor Plate: One-piece casting.

2.8 GROUT

- A. Nonshrink, Nonmetallic Grout: ASTM C 1107, Grade B.
 - 1. Characteristics: Post-hardening, volume-adjusting, dry, hydraulic-cement grout, nonstaining, noncorrosive, nongaseous, and recommended for interior and exterior applications.
 - 2. Design Mix: 5000-psi, 28-day compressive strength.
 - 3. Packaging: Premixed and factory packaged.

PART 3 - EXECUTION

3.1 PIPING SYSTEMS - COMMON REQUIREMENTS

- A. General: Install piping as described below, unless piping Sections specify otherwise. Individual Sections specify unique piping installation requirements.
- B. General Locations and Arrangements: Drawing plans, schematics, and diagrams indicate general location and arrangement of piping systems. Indicated locations and arrangements were used to size pipe and calculate friction loss, expansion, pump sizing, and other design considerations. Install piping as indicated, unless deviations to layout are approved on Coordination Drawings.
- C. Install piping at indicated slope.
- D. Install components with pressure rating equal to or greater than system operating pressure.

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- E. Install piping in concealed interior and exterior locations, except in equipment rooms and service areas.
- F. Install piping free of sags and bends.
- G. Install exposed interior and exterior piping at right angles or parallel to building walls. Diagonal runs are prohibited, unless otherwise indicated.
- H. Install piping tight to slabs, beams, joists, columns, walls, and other building elements. Allow sufficient space above removable ceiling panels to allow for ceiling panel removal.
- I. Install piping to allow application of insulation plus 1-inch clearance around insulation.
- J. Locate groups of pipes parallel to each other, spaced to permit valve servicing.
- K. Install fittings for changes in direction and branch connections.
- L. Install couplings according to manufacturer's written instructions.
- M. Install pipe escutcheons for pipe penetrations of concrete and masonry walls, wall board partitions, and suspended ceilings according to the following:
 - 1. Chrome-Plated Piping: Cast brass, one piece, with set screw, and polished chrome-plated finish.
 - 2. Uninsulated Piping Wall Escutcheons: Cast brass or stamped steel, with set screw.
 - 3. Uninsulated Piping Floor Plates in Utility Areas: Cast-iron floor plates.
 - 4. Insulated Piping: Cast brass or stamped steel; with concealed hinge, spring clips, and chrome-plated finish.
 - 5. Piping in Utility Areas: Cast brass or stamped steel, with set-screw or spring clips.
- N. Sleeves are not required for core drilled holes.
- O. Install sleeves for pipes passing through concrete and masonry walls, and concrete floor and roof slabs.
- P. Install sleeves for pipes passing through concrete and masonry walls, gypsum-board partitions, and concrete floor and roof slabs.
 - 1. Cut sleeves to length for mounting flush with both surfaces.
 - a. Exception: Extend sleeves installed in floors of mechanical equipment areas or other wet areas 2 inches above finished floor level. Extend cast-iron sleeve fittings below floor slab as required to secure clamping ring if ring is specified.
 - 2. Build sleeves into new walls and slabs as work progresses.
 - 3. Install sleeves large enough to provide 1/4-inch annular clear space between sleeve and pipe or pipe insulation. Use the following sleeve materials: Steel Pipe Sleeves: For pipes smaller than 6-inch NPS.
 - b. Steel, Sheet-Metal Sleeves: For pipes 6-inch NPS and larger, penetrating gypsum-board partitions.
 - 4. Except for underground wall penetrations, seal annular space between sleeve and pipe or pipe insulation, using elastomeric joint sealants.
 - 5. Use Type S, Grade NS, Class 25, Use O, neutral-curing silicone sealant, unless otherwise indicated.
- Q. Aboveground, Exterior-Wall, Pipe Penetrations: Seal penetrations using sleeves and mechanical sleeve seals. Size sleeve for 1-inch annular clear space between pipe or pipe insulation and sleeve for installing mechanical sleeve seals.
 - 1. Install steel pipe for sleeves smaller than 6 inches in diameter.
 - 2. Install cast-iron "wall pipes" for sleeves 6 inches in diameter and larger.
 - 3. Assemble and install mechanical sleeve seals according to manufacturer's written instructions. Tighten bolts that cause rubber sealing elements to expand and make watertight seal.
- R. Underground, Exterior-Wall, Pipe Penetrations: Install cast-iron "wall pipes" for sleeves. Seal pipe penetrations using mechanical sleeve seals. Size sleeve for 1-inch annular clear space between pipe and sleeve for installing mechanical sleeve seals.

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1. Assemble and install mechanical sleeve seals according to manufacturer's written instructions.
Tighten bolts that cause rubber sealing elements to expand and make watertight seal.
- S. Fire-Barrier Penetrations: Maintain indicated fire rating of walls, partitions, ceilings, and floors at pipe penetrations. Seal pipe penetrations with firestopping materials.
- T. Verify final equipment locations for roughing-in.
- U. Refer to equipment specifications in other Sections of these Specifications for roughing-in requirements.
- V. Piping Joint Construction: Join pipe and fittings as follows and as specifically required in individual piping specification Sections:
 1. Ream ends of pipes and tubes and remove burrs. Bevel plain ends of steel pipe.
 2. Remove scale, slag, dirt, and debris from inside and outside of pipe and fittings before assembly.
 3. Soldered Joints: Construct joints according to AWS's "Soldering Manual," Chapter "The Soldering of Pipe and Tube"; or CDA's "Copper Tube Handbook."
 4. Brazed Joints: Construct joints according to AWS's "Brazing Handbook," Chapter "Pipe and Tube."
 5. Threaded Joints: Thread pipe with tapered pipe threads according to ASME B1.20.1. Cut threads full and clean using sharp dies. Ream threaded pipe ends to remove burrs and restore full ID. Join pipe fittings and valves as follows:
 - a. Note internal length of threads in fittings or valve ends, and proximity of internal seat or wall, to determine how far pipe should be threaded into joint.
 - b. Apply appropriate tape or thread compound to external pipe threads, unless dry seal threading is specified.
 - c. Align threads at point of assembly.
 - d. Tighten joint with wrench. Apply wrench to valve end into which pipe is being threaded.
 - e. Damaged Threads: Do not use pipe or pipe fittings with threads that are corroded or damaged.
Do not use pipe sections that have cracked or open welds.
 6. Welded Joints: Construct joints according to AWS D10.12, "Recommended Practices and Procedures for Welding Low Carbon Steel Pipe," using qualified processes and welding operators according to "Quality Assurance" Article.
 7. Flanged Joints: Align flange surfaces parallel. Select appropriate gasket material, size, type, and thickness for service application. Install gasket concentrically positioned. Assemble joints by sequencing bolt tightening to make initial contact of flanges and gaskets as flat and parallel as possible. Use suitable lubricants on bolt threads. Tighten bolts gradually and uniformly using torque wrench.
 8. Plastic Piping Solvent-Cement Joints: Clean and dry joining surfaces by wiping with clean cloth or paper towels. Join pipe and fittings according to the following:
 - a. Comply with ASTM F 402 for safe-handling practice of cleaners, primers, and solvent cements.
 - b. PVC Nonpressure Piping: ASTM D 2855.
 - c. PVC to ABS Nonpressure Transition Fittings: Procedure and solvent cement according to ASTM D 3138.
 9. Plastic Piping Heat-Fusion Joints: Clean and dry joining surfaces by wiping with clean cloth or paper towels. Join according to ASTM D 2657 procedures and manufacturer's written instructions.
 - a. Plain-End Pipe and Fittings: Use butt fusion.
 - b. Plain-End Pipe and Socket Fittings: Use socket fusion.
- W. Piping Connections: Make connections according to the following, unless otherwise indicated:

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1. Install unions, in piping 2-inch NPS and smaller, adjacent to each valve and at final connection to each piece of equipment with 2-inch NPS or smaller threaded pipe connection.
2. Install flanges, in piping 2-1/2-inch NPS and larger, adjacent to flanged valves and at final connection to each piece of equipment with flanged pipe connection.
3. Dry Piping Systems: Install dielectric unions and flanges to connect piping materials of dissimilar metals.
4. Wet Piping Systems: Install dielectric coupling and nipple fittings to connect piping materials of dissimilar metals.

3.2 EQUIPMENT AND MATERIAL INSTALLATION - COMMON REQUIREMENTS

- A. Install equipment and material to provide maximum possible headroom, if mounting heights are not indicated.
- B. Install equipment according to approved submittal data. Portions of the Work are shown only in diagrammatic form. Refer conflicts to Architect.
- C. Install equipment level and plumb, parallel and perpendicular to other building systems and components in exposed interior spaces, unless otherwise indicated.
- D. Install mechanical equipment to facilitate service, maintenance, and repair or replacement of components. Connect equipment for ease of disconnecting, with minimum interference to other installations. Extend grease fittings to accessible locations.
- E. Install equipment and ductwork giving right of way to piping installed at required slope.
- F. Install flexible connectors on equipment side of shutoff valves, horizontally and parallel to equipment shafts if possible.

3.3 PAINTING AND FINISHING

- A. Refer to paint materials, surface preparation, and application of paint.
- B. Do not paint piping specialties with factory-applied finish.
- C. Damage and Touchup: Repair marred and damaged factory-painted finishes with materials and procedures to match original factory finish.

3.4 CONCRETE BASES

- A. Construct concrete bases of dimensions indicated, but not less than 4 inches larger in both directions than supported unit. Follow supported equipment manufacturer's setting templates for anchor bolt and tie locations. Use 3000-psi, 28-day compressive-strength concrete and reinforcement or as specified.

3.5 ERECTION OF METAL SUPPORTS AND ANCHORAGE

- A. Cut, fit, and place miscellaneous metal supports accurately in location, alignment, and elevation to support and anchor mechanical materials and equipment.
- B. Field Welding: Comply with AWS D1.1, "Structural Welding Code--Steel."

3.6 CUTTING AND PATCHING

- A. Cut, channel, chase, and drill floors, walls, partitions, ceilings, and other surfaces necessary for mechanical installations. Perform cutting by skilled mechanics of trades involved.
- B. Repair cut surfaces to match adjacent surfaces.

3.7 GROUTING

- A. Install nonmetallic, nonshrink, grout for mechanical equipment base bearing surfaces, pump and other equipment base plates, and anchors. Mix grout according to manufacturer's written instructions.
- B. Clean surfaces that will come into contact with grout.
- C. Provide forms as required for placement of grout.
- D. Avoid air entrapment during placing of grout.

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- E. Place grout, completely filling equipment bases.
- F. Place grout on concrete bases to provide smooth bearing surface for equipment.
- G. Place grout around anchors.
- H. Cure placed grout according to manufacturer's written instructions.

END OF SECTION

EXHIBIT "C"

SECTION 23 23 00

REFRIGERANT PIPING

PART 1 - GENERAL

1.1 SUMMARY

A. Includes But Not Limited To:

1. Furnish and install piping and specialties for refrigeration systems as described in Contract Documents.

B. Products Installed But Not Furnished Under This Section:

1.2 REFERENCES

A. Association Publications:

1. Federal Emergency Management Agency (FEMA) / Vibration Isolation and Seismic Control Manufacturers Association (VISCMA) / American Society of Civil Engineers (ASCE):
 - a. FEMA 412, 'Installing Seismic Restraints For Mechanical Equipment' (December 2002).
2. Vibration Isolation and Seismic Control Manufacturers Association (VISCMA):
 - a. VISCMA 101-12, 'Seismic Restraint Specification Guidelines for Mechanical, Electrical, and Plumbing Systems'.
 - b. VISCMA 102-12, 'Vibration Isolation Specification Guidelines for Mechanical, Electrical, and Plumbing Systems'.

B. Definitions:

1. Refrigerant: Absorbs heat by a change of state (evaporation) from liquid to a gas, and releases heat by a change of state (condenses) from gas back to a liquid.
2. Vibration Isolation: Vibration reduction in which an isolation system is placed between the source of unwanted vibration and an item which needs to be shielded from the vibration.

C. Reference Standards:

1. American National Standards Institute (ANSI) / American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE):
 - a. ANSI/ASHRAE Standard 15-2010, 'Safety Standard for Refrigeration Systems'.
 - b. ANSI/ASHRAE Standard 34-2010, 'Designation and Classification of Refrigerants'.
2. American National Standards Institute / American Welding Society:
 - a. ANSI/AWS A5.8M/A5.8-2011, 'Specification for Filler Metals for Brazing and Braze Welding'.
3. American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE):
 - a. '2011 ASHRAE Handbook - HVAC Applications'.
 - 1) Chapter 48, 'Noise and Vibration Control'.
4. ASTM International:
 - a. ASTM A36/A36M-08, 'Standard Specification for Carbon Structural Steel'.
 - b. ASTM B280-08, 'Standard Specification for Seamless Copper Tube for Air Conditioning and Refrigeration Field Service'.

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5. National Fire Protection Association / American National Standards Institute:
 - a. NFPA 90A-2012, 'Installation of Air Conditioning and Ventilating Systems'.
6. Underwriters Laboratories:
 - a. UL 2182, 'Refrigerants' (2nd Edition).

1.3 SUBMITTALS

- A. Action Submittals:
 1. Shop Drawings: Show each individual equipment and piping support.
- B. Informational Submittals:
 1. Qualification Statements: Technician certificate for use of HFC and HCFC refrigerants.

1.4 QUALITY ASSURANCE

- A. Regulatory Agency Sustainability Approvals:
 1. Refrigerants:
 - a. Underwriters Laboratories / Underwriters Laboratories of Canada:
 - 1) Comply with requirements of UL 2182.
- B. Qualifications. Section 01 4301 applies, but is not limited to the following:
 1. Installer: Refrigerant piping shall be installed by refrigeration contractor licensed by State and by technicians certified in use of HFC and HCFC refrigerants.

PART 2 - PRODUCTS

2.1 COMPONENTS

- A. Manufacturers:
 1. Manufacturer Contact List:
 - a. Airtec,
 - b. Cush-A-Clamp by ZSI Manufacturing,
 - c. Elkhart Products Corp.,
 - d. Emerson Climate Technologies,
 - e. Handy & Harman Products
 - f. Harris Products Group,
 - g. Henry Valve Co,
 - h. Hilti Inc,
 - i. Hydra-Zorb Co,
 - j. JB Industries,
 - k. Mueller Steam Specialty,
 - l. Nibco Inc,
 - m. Packless Industries, Parker Corp,
 - n. Sporlan Valve Co.
 - o. Sherwood Valves,,
 - p. Thomas & Betts,
 - q. Unistrut, Div of Atkore International, Inc.
 - r. Universal Metal Hose.
 - s. Vibration Mountings & Controls,
 - t. Virginia KMP Corp,
- B. Materials:
 1. Refrigerant Piping:
 - a. Meet requirements of ASTM B280, hard drawn straight lengths. Soft copper tubing not permitted.

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- b. Do not use pre-charged refrigerant lines.
- 2. Refrigerant Fittings:
 - a. Wrought copper with long radius elbows.
 - b. Category Four Approved Manufacturers. See Section 01 6200 for definitions of Categories:
 - 1) Mueller Streamline.
 - 2) Nibco Inc.
 - 3) Elkhart.
- 3. Suction Line Traps:
 - a. Manufactured standard one-piece traps.
 - b. Category Four Approved Manufacturers. See Section 01 6200 for definitions of Categories:
 - 1) Mueller Streamline.
 - 2) Nibco Inc.
 - 3) Elkhart.
- 4. Tee Access:
 - a. Brass:
 - 1) Category Four Approved Manufacturers. See Section 01 6200 for definitions of Categories:
 - a) JB Industries: Part #A3 Series with Factory Cap and Valve Core.
- 5. Connection Material:
 - a. Brazing Rods in accordance with ANSI/AWS A5.8M/A5.8:
 - 1) Copper to Copper Connections:
 - a) Classification BCuP-4 Copper Phosphorus (6 percent silver).
 - b) Classification BCuP-5 Copper Phosphorus (15 percent silver).
 - 2) Copper to Brass or Copper to Steel Connections: Classification BA5-5 Silver (45 percent silver).
 - 3) Do not use rods containing Cadmium.
 - b. Flux:
 - 1) Type Two Acceptable Products:
 - a) Stay-Silv White Brazing Flux by Harris Products Group.
 - b) High quality silver solder flux by Handy & Harmon.
 - c) Equal as approved by Architect before use. See Section 01 6200.
- 6. Valves:
 - a. Expansion Valves:
 - 1) For pressure type distributors, externally equalized with stainless steel diaphragm, and same refrigerant in thermostatic elements as in system.
 - 2) Size valves to provide full rated capacity of cooling coil served. Coordinate selection with evaporator coil and condensing unit.
 - 3) Category Four Approved Manufacturers. See Section 01 6200 for definitions of Categories:
 - a) Emerson Climate Technologies.
 - b) Henry.
 - c) Mueller.
 - d) Parker.
 - e) Sporlan.
 - b. Manual Refrigerant Shut-Off Valves:
 - 1) Ball valves designed for refrigeration service and full line size.

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- 2) Valve shall have cap seals.
- 3) Valves with hand wheels are not acceptable.
- 4) Provide service valve on each liquid and suction line at compressor.
- 5) If service valves come as integral part of condensing unit, additional service valves shall not be required.
- 6) Category Four Approved Manufacturers. See Section 01 6200 for definitions of Categories:
 - a) Henry.
 - b) Mueller.
 - c) Sherwood.
 - d) Virginia.
7. Filter-Drier:
 - a. On lines 3/4 inch (19 mm) outside diameter and larger, filter-drier shall be replaceable core type with Schraeder type valve.
 - b. On lines smaller than 3/4 inch (19 mm) outside diameter, filter-drier shall be sealed type with brazed end connections.
 - c. Size shall be full line size.
 - d. Category Four Approved Manufacturers. See Section 01 6200 for definitions of Categories:
 - 1) Emerson Climate Technologies.
 - 2) Mueller.
 - 3) Parker.
 - 4) Sporlan.
 - 5) Virginia.
8. Sight Glass:
 - a. Combination moisture and liquid indicator with protection cap.
 - b. Sight glass shall be full line size.
 - c. Sight glass connections and sight glass body shall be solid copper or brass, no copper-coated steel sight glasses allowed.
 - d. Category Four Approved Product. See Section 01 6200 for definitions of Categories:
 - 1) HMI by Emerson Climate Technologies.
9. Flexible Connectors:
 - a. Designed for refrigerant service with bronze seamless corrugated hose and bronze braiding.
 - b. Category Four Approved Products. See Section 01 6200 for definitions of Categories:
 - 1) Vibration Absorber Model VAF by Packless Industries.
 - 2) Vibration Absorbers by Virginia KMP Corp.
 - 3) Anaconda 'Vibration Eliminators' by Universal Metal Hose.
 - 4) Style 'BF' Spring-flex freon connectors by Vibration Mountings.
10. Refrigerant Piping Supports:
 - a. Base, Angles, And Uprights: Steel meeting requirements of ASTM A36.
 - b. Securing Channels:
 - 1) At Free-Standing Pipe Support:
 - a) Class One Quality Standard: P-1000 channels by Unistrut.
 - b) Acceptable Manufacturers: Hilti, Thomas & Betts.
 - c) Equal as approved by Architect before installation. See Section 01 6200.
 - 2) At Wall Support:

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- a) Class One Quality Standard: P-3300 channels by Unistrut.
- b) Acceptable Manufacturers: Hilti, Thomas & Betts.
- c) Equal as approved by Architect before installation. See Section 01 6200.
- 3) At Suspended Support:
 - a) Class One Quality Standard: P-1001 channels by Unistrut.
 - b) Acceptable Manufacturers: Hilti, Thomas & Betts.
 - c) Equal as approved by Architect before installation. See Section 01 6200.
- 4) Angle Fittings:
 - a) Class One Quality Standard: P-2626 90 degree angle by Unistrut.
 - b) Acceptable Manufacturers: Hilti, Thomas & Betts.
 - c) Equal as approved by Architect before installation. See Section 01 6200.
- c. Pipe Clamps:
 - 1) Type Two Acceptable Manufacturers:
 - a) Hydra-Zorb.
 - b) ZSI Cush-A-Clamp.
 - c) Hilti Cush-A-Clamp.
 - d) Equal as approved by Architect before installation. See Section 01 6200.
 - d. Protective Cover: 18 ga (1.2 mm) steel, hot-dipped galvanized.
- 11. Locking Refrigerant Cap:
 - a. Provide and install on charging valves:
 - 1) Class One Quality Standard: 'No Vent' locking refrigerant cap.
 - 2) Acceptable Manufacturers: Airtec.
 - 3) Equal as approved by Architect before installation. See Section 01 6200.

PART 3 - EXECUTION

3.1 INSTALLATION

- A. Refrigerant Lines:
 - 1. Install as high in upper mechanical areas as possible. Do not install underground or in tunnels.
 - 2. Slope suction lines down toward compressor one inch/10 feet (25 mm in 3 meters). Locate traps at vertical rises against flow in suction lines.
- B. Connections:
 - 1. Refrigeration system connections shall be copper-to-copper, copper-to-brass, or copper-to-steel type properly cleaned and brazed with specified rods. Use flux only where necessary. No soft solder (tin, lead, antimony) connections will be allowed in system.
 - 2. Braze manual refrigerant shut-off valve, sight glass, and flexible connections.
 - 3. Circulate dry nitrogen through tubes being brazed to eliminate formation of copper oxide during brazing operation.
- C. Specialties:
 - 1. Install valves and specialties in accessible locations. Install refrigeration distributors and suction outlet at same end of coil.
 - 2. Install thermostatic bulb as close to cooling coil as possible. Do not install on vertical lines.
 - 3. Install equalizing line in straight section of suction line, downstream of and reasonably close to thermostatic bulb. Do not install on vertical lines.
 - 4. Provide flexible connectors in each liquid line and suction line at both condensing unit and evaporator on systems larger than five tons. Anchor pipe near each flexible connector.

EXHIBIT "C"

D. Refrigerant Supports:

1. Support Spacing:

- a. Piping 1-1/4 inch (32 mm) And Larger: 8 feet (2.450 m) on center maximum.
 - b. Piping 1-1/8 inch (28.5 mm) And Smaller: 6 feet (1.80 m) on center maximum.
 - c. Support each elbow.
2. Isolate pipe from supports and clamps with Hydrozorb or Cush-A-Clamp systems.
 3. Run protective cover continuous from condensing units to risers or penetrations at building wall.

3.2 FIELD QUALITY CONTROL

A. Field Tests:

1. Make evacuation and leak tests in presence of Architect's Engineer after completing refrigeration piping systems. Positive pressure test will not suffice for procedure outlined below.
 - a. Draw vacuum on each entire system with two stage vacuum pump. Draw vacuum to 300 microns using micron vacuum gauge capable of reading from atmosphere to 10 microns. Do not use cooling compressor to evacuate system nor operate it while system is under high vacuum.
 - b. Break vacuum with nitrogen and re-establish vacuum test. Vacuum shall hold for 30 minutes at 300 microns without vacuum pump running.
 - c. Conduct tests at 70 deg F (21 deg C) ambient temperature minimum.
 - d. Do not run systems until above tests have been made and systems started up as specified. Inform Owner's Representative of status of systems at time of final inspection and schedule start-up and testing if prevented by outdoor conditions before this time.
 - e. After testing, fully charge system with refrigerant and conduct test with Halide Leak Detector.
 - f. Recover all refrigerant in accordance with applicable codes. Do not allow any refrigerant to escape to atmosphere.

B. Non-Conforming Work:

1. If it is observed that refrigerant lines are being or have been brazed without proper circulation of nitrogen through lines, all refrigerant lines installed up to that point in time shall be removed and replaced at no additional cost to Owner.

END OF SECTION

EXHIBIT "C"

SECTION 23 26 00

CONDENSATE DRAIN PIPING

PART 1 - GENERAL

1.1 SUMMARY

A. Includes But Not Limited To:

1. Coordinate installation of condensate drain piping with Section 22 0501 as described in Contract Documents.

1.2 REFERENCES

A. Reference Standards:

1. ASTM International:

- a. ASTM B88-09, 'Standard Specification for Seamless Copper Water Tube'.
- b. ASTM D1785-12, 'Standard Specification for Poly (Vinyl Chloride) (PVC) Plastic Pipe, Schedules 40, 80, and 120'.

PART 2 - PRODUCTS

2.1 SYSTEMS

A. Materials:

1. Condensate Drains:

- a. Exterior And Interior Lines: Type M copper meeting requirements of ASTM B88, unless otherwise noted.

PART 3 - EXECUTION

3.1 INSTALLATION

A. Condensate Drains:

1. Support piping and protect from damage.

END OF SECTION

EXHIBIT "C"

SECTION 23 73 12

DX SPLIT SYSTEM HEAT PUMP AIR CONDITIONING UNITS

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

- A. Section includes split-system air-conditioning heat pump units consisting of separate evaporator-fan and compressor-condenser components.

1.3 SUBMITTALS

- A. Product Data: Include rated capacities, operating characteristics, and furnished specialties and accessories. Include performance data in terms of capacities, outlet velocities, static pressures, sound power characteristics, motor requirements, and electrical characteristics.
- B. Shop Drawings: Include plans, elevations, sections, details, and attachments to other work.
 - 1. Detail equipment assemblies and indicate dimensions, weights, loads, required clearances, method of field assembly, components, and location and size of each field connection.
 - 2. Wiring Diagrams: For power, signal, and control wiring.
- C. Field quality-control reports.
- D. Operation and Maintenance Data: For split-system air-conditioning units to include in emergency, operation, and maintenance manuals.

1.4 QUALITY ASSURANCE

- A. Electrical Components, Devices, and Accessories: Listed and labeled as defined in NFPA 70, by a qualified testing agency, and marked for intended location and application.
- B. ASHRAE Compliance:
 - 1. Fabricate and label refrigeration system to comply with ASHRAE 15, "Safety Standard for Refrigeration Systems."
 - 2. ASHRAE Compliance: Applicable requirements in ASHRAE 62.1-2004, Section 4 - "Outdoor Air Quality," Section 5 - "Systems and Equipment," Section 6 - "Procedures," and Section 7 - "Construction and System Start-Up."

EXHIBIT "C"

- C. ASHRAE/IESNA Compliance: Applicable requirements in ASHRAE/IESNA 90.1-2004.
- D. International Building Code and TDI Compliance: Licensed Professional Engineer shall certify that the listed items are designed for and will withstand wind speed for the location of the project, per the relevant edition of International Building Code, ASCE Std 7, Texas Department of Insurance requirements.
 - 1. Equipment curb/attachment for exterior and roof mounted equipment such as RTUs, ACCU, fans.
 - 2. Attachment of equipment to curb/pad.
 - 3. Attachment of curb/pad to building structure.

1.5 COORDINATION

- A. Coordinate sizes and locations of concrete bases with actual equipment provided. Cast anchor-bolt inserts into bases. Concrete, reinforcement, and formwork are specified in Division 03 Section "Cast-in-Place Concrete."

1.6 WARRANTY

- A. Special Warranty: Manufacturer's standard form in which manufacturer agrees to repair or replace components of split-system air-conditioning units that fail in materials or workmanship within specified warranty period. Warranty period to commence from the date of equipment start-up.
 - 1. Warranty Period:
 - a. For Compressor: **Five** year(s) from date of Substantial Completion.
 - b. For Parts and Labor: **One** year(s) from date of Substantial Completion.

1.7 EXTRA MATERIALS

- A. Furnish extra materials that match products installed and that are packaged with protective covering for storage and identified with labels describing contents.
 - 1. Filters: **One** set for each air-handling unit.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

- A. Manufacturers: Subject to compliance with requirements, provide products by one of the following:
 - 1. Trane.
 - 2. Carrier Corporation
 - 3. RUUD OR RHEEM.

EXHIBIT "C"

2.2 INDOOR UNITS 5 TONS OR LESS

- A. Evaporator-Fan Components: An assembly including cabinet, filter, chassis, coil, drain pan, fan, and motor in draw-through configuration with direct-expansion heat pump cooling coil, and electric heating coil where noted.
- B. Cabinet: Covers and access panels shall be manufactured of double wall composite formed panels. Cabinet walls shall have insulated panels, fabricated to allow removal for access to internal parts and components without requirement of tools. Units shall be designed and equipped for installation indoors.
 - 1. Insulation: Standard insulation or minimum 1/2", whichever is greater.
- C. Refrigerant Coil: Aluminum tube, with mechanically bonded aluminum fins, complying with ARI 210/240, and with thermal-expansion valve.
- D. Electric Coil: If scheduled, helical, nickel-chrome, resistance-wire heating elements with refractory ceramic support bushings; automatic-reset thermal cutout; built-in magnetic contactors; manual-reset thermal cutout; airflow proving device; and one-time fuses in terminal box for over-current protection.
- E. Fan Motors: Comply with requirements in Division 23 Section "Common Motor Requirements for HVAC Equipment."
 - 1. Special Motor Features: Multi-tapped, multi-speed with internal thermal protection and permanent lubrication.
 - 2. Comply with NEMA designation, temperature rating, service factor, enclosure type, and efficiency requirements specified in Division 23 Section "Common Motor Requirements for HVAC Equipment."
 - 3. Enclosure Type: ODP, fan cooled.
 - 4. NEMA Premium (TM) efficient motors as defined in NEMA MG 1.
 - 5. Controllers, Electrical Devices, and Wiring: Comply with requirements for electrical devices and connections specified in Division 26 Sections.
 - 6. Disconnect switches by Div. 26.
- F. Airstream Surfaces: Surfaces in contact with the airstream shall comply with requirements in ASHRAE 62.1-2004.
- G. Condensate Drain Pans:
 - 1. Fabricated with slope in at least two planes to collect condensate from cooling coils (including coil piping connections, coil headers, and return bends) and humidifiers, and to direct water toward drain connection.
 - 1) Length: Extend drain pan downstream from leaving face to comply with ASHRAE 62.1-2004.
 - 2) Depth: A minimum of 1 inch deep.
 - b. Stainless-steel sheet or non-corrosive plastic, insulated.
 - c. Drain Connection: Located at lowest point of pan and sized to prevent overflow. Terminate with threaded nipple on one end of pan.
- 2. Air Filtration Section:
 - a. General Requirements for Air Filtration Section:
 - 1) Comply with NFPA 90A.
 - 2) Minimum Arrestance: According to ASHRAE 52.1 and MERV according to ASHRAE 52.2.

EXHIBIT "C"

- 3) Filter-Holding Frames: Arranged for flat or angular orientation, with access doors on both sides of unit. Filters shall be removable from one side or lifted out from access plenum.

b. Filters:

- 1) Factory-fabricated, viscous-coated, flat-panel type.
- 2) Thickness: **2 inches**.
- 3) Merv according to ASHRAE 52.2: 8.
- 4) Media: Interlaced glass fibers sprayed with nonflammable adhesive and antimicrobial agent.
- 5) Frame: Galvanized steel, with metal grid on outlet side, steel rod grid on inlet side, and hinged; with pull and retaining handles.

2.3 OUTDOOR UNITS (5 TONS OR LESS)

A. Air-Cooled, Compressor-Condenser Components:

1. Casing: Corrosion free pre-painted steel cabinet, finished with baked enamel, with removable panels for access to controls, weep holes for water drainage, and mounting holes in base. Provide brass service valves, fittings, and gage ports on exterior of casing.
2. Compressor: Hermetically sealed with crankcase heater and mounted on vibration isolation device. Compressor motor shall have thermal- and current-sensitive overload devices, start capacitor, relay, and contactor.
 - a. Compressor Type: Scroll, mounted on rubber mounts for vibration isolation.
 - b. Single-stage or two-stage (where scheduled) compressor motor with manual-reset high-pressure switch and automatic-reset low-pressure switch.
 - c. Refrigerant Charge: R-410A.
 - d. Refrigerant Coil: Copper tube, with mechanically bonded aluminum fins or microchannel and liquid subcooler. Comply with ARI 210/240.
 - e. Internal excessive current and temperature protection.
3. Fan: Aluminum-propeller type, directly connected to motor.
4. Motor: Permanently lubricated, with integral thermal-overload protection.

2.4 CONTROLS

1. Provide with new programmable thermostat.
2. See controls sequences/specifications.

2.5 ACCESSORIES

A. Other:

1. Direct driven ECM fan motor, and with built in dehumidification sequence option for indoor units.
2. Low Ambient Controller: Cycles condenser fan to permit operation down to 55 deg F with time-delay relay to bypass low-pressure switch.
3. Package with refrigerant circuit suction and discharge gauges, and service valves.
4. Automatic-reset timer to prevent rapid cycling of compressor.
5. Site glass, filter-dryer.
6. High-Pressure Switch: Automatic-reset switch cycles compressor off on high refrigerant pressure.
7. Low-Pressure Switch: Automatic-reset switch cycles compressor off on low refrigerant pressure.
8. Thermostatic expansion valve to match with existing Evaporator Coil, if existing is incompatible.
9. Time-Delay Relay: Continues operation of evaporator fan after compressor shuts off.
10. Evaporator defrost controller.

EXHIBIT "C"

11. Liquid line solenoid valves, electric unloaders, factory/field installed accumulators to accomplish stages of unloading.
 12. See drawing schedules.
- B. Unit Casing: Galvanized steel, finished with paint finish with removable panels for access to controls, weep holes for water drainage, and mounting holes in base. Mount service valves, fittings, and gage ports on exterior of casing.
1. Condenser coil hail guard to protect coil from physical damage.

PART 3 - EXECUTION

3.1 INSTALLATION

- A. Install units level and plumb.
- B. Install evaporator-fan components using manufacturer's standard mounting devices securely fastened to building structure.
- C. Install ground-mounted, compressor-condenser components on 4-inch-thick, reinforced concrete base that is 4 inches larger, on each side, than unit. Concrete, reinforcement, and formwork are specified in Division 03 Section "Cast-in-Place Concrete." Coordinate anchor installation with concrete base.
- D. Install and connect refrigerant tubing to component's quick-connect fittings. Install tubing to allow access to unit.
- E. Provide auxiliary drain pans with float switches to disable fans. Provide drain piping with stop valves from pans to floor drains.

3.2 CONNECTIONS

- A. Piping installation requirements are specified in other Division 23 Sections. Drawings indicate general arrangement of piping, fittings, and specialties.
- B. Where piping is installed adjacent to unit, allow space for service and maintenance of unit.
- C. Duct Connections: Duct installation requirements are specified in Division 15 Section "Metal Ducts." Drawings indicate the general arrangement of ducts. Connect supply and return ducts to split-system air-conditioning units with flexible duct connectors. Flexible duct connectors are specified in Division 15 Section "Duct Accessories."
- D. Ground equipment according to Division 16 Section "Grounding and Bonding."
- E. Electrical Connections: Comply with requirements in Division 16 Sections for power wiring, switches, and motor controls.

EXHIBIT "C"

3.3 FIELD QUALITY CONTROL

- A. Manufacturer's Field Service: Engage a factory-authorized service representative to inspect, test, and adjust components, assemblies, and equipment installations, including connections.
- B. Tests and Inspections:
 - 1. Leak Test: After installation, charge system and test for leaks. Repair leaks and retest until no leaks exist.
 - 2. Operational Test: After electrical circuitry has been energized, start units to confirm proper motor rotation and unit operation.
 - 3. Test and adjust controls and safeties. Replace damaged and malfunctioning controls and equipment.
- C. Remove and replace malfunctioning units and retest as specified above.
- D. Prepare test and inspection reports.

END OF SECTION

EXHIBIT "C"

SECTION 23 74 10

PACKAGED ROOFTOP DX HEAT PUMP AIR CONDITIONING UNITS

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Package roof top unit.
- B. Heat exchanger.
- C. Refrigeration components.
- D. Unit operating controls.
- E. Roof curb.
- F. Electrical power connections.
- G. Operation and maintenance service.

1.02 RELATED SECTIONS

- A. Section 15170 - Motors.
- B. Section 15242 - Vibration Isolation.
- C. Section 15290 - Ductwork Insulation.
- D. Section 15885 - Air Cleaning.
- E. Section 15952 - Controls and Instrumentation.
- F. Section 16180 - Equipment Wiring Systems.

1.03 REFERENCES

- A. NFPA 90 A & B - Installation of Air Conditioning and Ventilation Systems and Installation of Warm Air Heating and Air Conditioning Systems.
- B. ANSI/ASHRAE 15 - Safety Code for Mechanical Refrigeration.
- C. AHRI 340/360-2015 - Commercial and Industrial Unitary Air Conditioning Equipment testing and rating standard.
- D. ANSI/ASHRAE 37 - Testing Unitary Air Conditioning and Heat Pump Equipment.

EXHIBIT "C"

- E. ANSI/ASHRAE/IESNA 90.1 - Energy Standard for New Buildings Except Low-Rise Residential Buildings.
- F. ANSI Z21.47/UL1995 - Unitary Air Conditioning Standard for safety requirements and testing requirements for commercial warm air furnaces.
- G. California Energy Commission Administrative Code - Title 20/24 -
- H. AHRI 210/240 - 2019 - Unitary Air-Conditioning Equipment and Air- Source Heat Pump Equipment.
- I. AHRI 270 - Sound Rating of Outdoor Unitary Equipment.
- J. AHRI 370 - Sound Rating of Large Outdoor Refrigerating and Air Conditioning Equipment.

1.04 SUBMITTALS

- A. Submit unit performance data including: capacity, nominal and operating performance.
- B. Submit Mechanical Specifications for unit and accessories describing construction, components and options.
- C. Submit shop drawings indicating overall dimensions as well as installation, operation and services clearances. Indicate lift points and recommendations and center of gravity. Indicate unit shipping, installation and operating weights including dimensions.
- D. Submit data on electrical requirements and connection points. Include recommended wire and fuse sizes or MCA, sequence of operation, safety and start-up instructions.
- E. Shop drawings submitted for approval shall be accompanied by a copy of the purchase agreement between the Contractor and an authorized service representative of the manufacturer for check, test and start up and first year service.

1.05 DELIVERY, STORAGE and HANDLING

- A. Comply with manufacturer's installation instructions for rigging, unloading, and transporting units.
- B. Protect units from physical damage. Leave factory-shipping covers in place until installation.

1.06 WARRANTY

- A. Provide parts warranty (excluding refrigerant) for one year from start-up or 18 months from shipment, whichever occurs first.
- B. Provide five-year extended warranty for compressors.

1.07 MAINTENANCE SERVICE

- A. All work on units shall be accomplished by OEM factory trained and authorized servicing technicians.

1.08 REGULATORY REQUIREMENTS

EXHIBIT "C"

- A. Unit shall conform to ANSI Z21.47/UL1995 for construction of packaged air conditioner.
 - 1. In the event the unit is not UL approved, the manufacturer must, at his expense, provide for a field inspection by a UL representative to verify conformance to UL standards. If necessary, contractor shall perform modifications to the unit to comply with UL, as directed by the UL representative, at no additional expense to the Owner.

1.09 EXTRA MATERIALS

- A. Provide 1 set of filters.
- B. Furnish a complete set of fan motor drive belts.

PART 2 PRODUCTS

2.01 SUMMARY

- A. The contractor shall furnish and install package rooftop unit(s) as shown and scheduled on the contract documents. The unit(s) shall be installed in accordance with this specification and perform at the specified conditions as scheduled.
- B. APPROVED MANUFACTURERS
 - 1. Trane
 - 2. Carrier
 - 3. RUUD OR RHEEM

2.02 GENERAL UNIT DESCRIPTION

- A. Unit(s) furnished and installed shall be Heat Pump packaged rooftop (s) as scheduled on contract documents and these specifications. Cooling capacity ratings shall be based on AHRI Standard. Unit(s) shall consist of insulated weather-tight casing with compressor(s), air-cooled condenser coil, condenser fans, evaporator coil, return-air filters, supply motors and unit controls.
- B. Unit(s) shall be 100% factory run tested and fully charged with R-410A.
- C. Unit(s) shall have labels, decals, and/or tags to aid in the service of the unit and indicate caution areas.
- D. Units shall be convertible airflow design as manufactured.
- E. Wiring internal to the unit shall be colored and numbered for identification.

2.03 UNIT CASING

- A. Cabinet: Galvanized steel with baked enamel finish. Structural members with access doors and removable panels shall be a minimum 22 gauge.

EXHIBIT "C"

- B. Unit's cabinet surface shall be tested 672 hours in salt spray test in compliance with ASTM B117.
- C. Cabinet construction shall allow for all service/ maintenance from one side of the unit.
- D. Cabinet top cover shall be one piece construction or where seams exist, it shall be double-hemmed and gasket-sealed.
- E. Access Panels: Water- and air-tight panels with handles shall provide access to filters, heating section, return air fan section, supply air fan section, evaporator coil section, and unit control section.
- F. Unit's base pan shall have a raised 1 1/8 inch high lip around the supply and return openings for water integrity.
- G. Provide ½ inch foil faced, fire retardant permanent, odorless glass fiber material. All edges must be captured so that there is no insulation exposed in the air stream.
- H. The base pan shall have no penetrations within the perimeter of the curb other than the raised 1 1/8 inch high down flow supply/return openings to provide and added water integrity precaution.
- I. Provide openings either on side of unit or through the base for power, control, condensate, and gas connections.
- J. The base of the unit shall have 3 sides for forklift provisions. The base of the units shall have rigging/lifting holes for crane maneuvering.

2.04 AIR FILTERS

- A. Air Filters: Factory installed filters shall mount integral within the unit and shall be accessible through access panels. Two-inch thick glass fiber disposable media filters shall be provided.
- B. Two inch MERV 8 and MERV 13 media filters shall be available option.

2.05 FANS AND MOTORS

- A. Provide evaporator fan section with forward curved, double width, double inlet, centrifugal type fan.
- B. Provide self-aligning, grease lubricated, ball or sleeve bearings with permanent lubrication fittings.
- C. Outdoor and Indoor Fans shall be permanently lubricated and have internal thermal overload protection.
- D. Outdoor fans shall be direct drive, statically and dynamically balanced, draw through in the vertical discharge position.
- E. Provide shafts constructed of solid hot rolled steel, ground and polished, with key-way, and protectively coated with lubricating oil.

2.6 ELECTRIC HEATING SECTION

EXHIBIT "C"

- F. Provide heavy duty nickel chromium heating elements internally Delta connected for 240V, wye connection for 480V and 600V. Each heater package shall have automatically reset high limit control operating through heating element contactors. Backup protection is also provided via non-resettable single operation limits connected directly to high voltage. All heaters shall be individually fused from the factory, where required, and shall meet all NEC and CEC requirements when properly installed. Power assemblies shall provide single point connection. Electrical heat modules shall be cULus listed.
- G. Heater shall be factory installed internal to unit cabinet.
- H. Heater shall be UL and CSA listed and approved and provide single point power connection.

2.06 EVAPORATOR COIL & SECTION

- A. Evaporator coil shall be constructed of copper tubes, mechanically bonded to aluminum fins.
- A. Provide an independent expansion device for each refrigeration circuit. Factory pressure tested at 600 psig and leak tested at 465 psig.
- B. Provide a removable, reversible, cleanable double sloped drain pan for base of evaporator coil constructed of PVC.

2.08 CONDENSER SECTION

- A. Provide vertical discharge, direct drive fans with aluminum blades. Fans shall be statically balanced. Motors shall be permanently lubricated, with integral thermal overload protection in a weather tight casing.
- B. Condenser coil shall be copper tubes mechanically bonded to aluminum fins.
- C. Provide tool-less factory installed corrosion resistant louvered hail/vandalism guards to protect condenser coils from hail or physical damage.

2.09 REFRIGERATION SYSTEM

- A. All units shall have direct drive hermetic, scroll type compressors with centrifugal type oil pumps. Motor shall be suction gas cooled and shall have a voltage utilization range of plus or minus 10 percent of unit nameplate.
- B. Provide with thermostatic temperature motor winding control for protection against excessive temperatures caused by over/under voltage operation or loss of charge. Also provide high and low pressure switches.
- C. Thermal Expansion valves are standard for all models.
- D. Units shall have cooling capabilities down to 0 degree F as standard with microprocessor controls (40 degrees F with electromechanical controls. For field-installed low ambient accessory, the manufacturer shall provide a factory-authorized service technician that will assure proper installation and operation.

EXHIBIT "C"

- E. For heat pump units, provide reversing valve, discharge muffler, flow control check valve, and electronic adaptive demand defrost control on all units.

2.10 OUTDOOR AIR SECTION

- A. Provide Fault Detection and Diagnostics (FDD) control.
- B. Provide economizer with comparative enthalpy control.
- C. Provide adjustable minimum position control located in the economizer section of the unit.
- D. Provide spring return motor for outside air damper closure during unit shut down or power interruption.
- E. Provide Remote Potentiometer for minimum position setting of the economizer

2.11 OPERATING CONTROLS

- A. General: Microprocessor controls shall be provided for all 24 volt control functions. The resident control algorithms shall make all heating, cooling and ventilation decisions in response to electronic signals from sensors measuring indoor and outdoor temperatures. The control algorithm maintains accurate temperature control, minimizes drift from setpoint and provides better building comfort. A centralized microprocessor shall provide anti-short cycle timing and time delay between compressors to provide a higher level of machine protection.
- B. SZ VAV: Provide all necessary controls to operate a rooftop unit based on maintaining two temperature setpoints: discharge air and zone. During one zone vav cooling, the unit will maintain zone cooling setpoint by modulating the supply fan speed more or less to meet zone load demand; and the unit will maintain discharge temperature to the discharge cooling setpoint by modulating economizer if available and staging dx cooling.
- C. Ventilation Override: Provide factory installed, tested and commissioned ventilation override controls. Binary input from independent fire/life safety panel shall cause unit to override standard operation and assume one of two factory preset ventilation sequences: Purge or pressurization.
- I. Provide factory-installed indoor evaporator defrost control to prevent compressor slugging by interrupting compressor operation.

2.12 CONTROLS

- 2. Provide programmable THERMOSTAT.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Contractor shall verify that proper power supply is available.

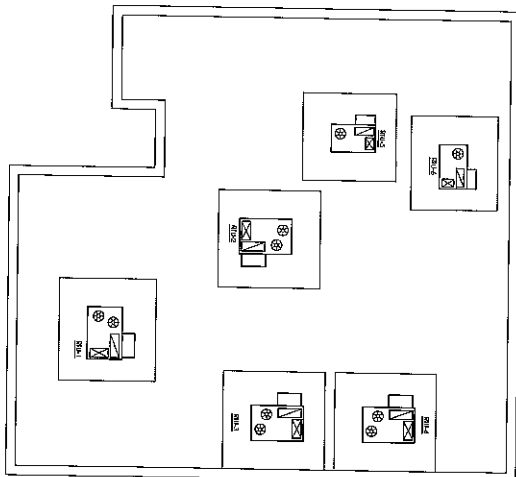
3.02 INSTALLATION

- A. Contractor shall install in accordance with manufacturer's instructions.

EXHIBIT "C"

- B. Mount units on factory built roof mounting frame providing watertight enclosure to protect ductwork and utility services. Install roof mounting curb level.

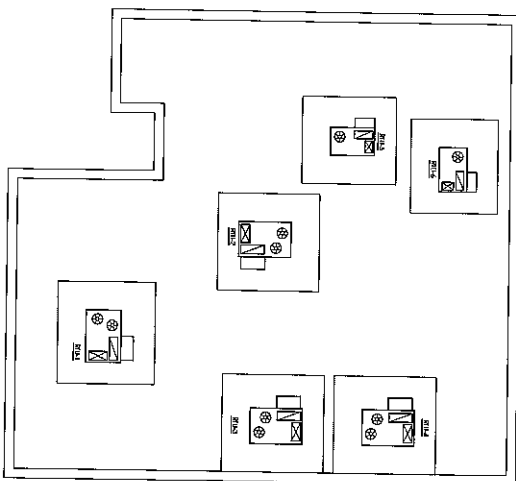
END OF SECTION



A J.P. PRECINCT 2, PL1 & PL2 DEMOLITION PLAN
Scale: 1/8" = 1'-0"

GENERAL DEMOLITION NOTES

- A. BEFORE DEMOLITION THE FOLLOWING ITEMS MUST BE REMOVED FROM EACH ROOM OR AREA:
 - 1. ALL MECHANICAL, ELECTRICAL, AND PIPING SYSTEMS SHALL BE REMOVED.
 - 2. ALL CEILING, WALL, AND FLOOR FINISHES SHALL BE REMOVED.
 - 3. ALL PARTITION WALLS SHALL BE REMOVED.
 - 4. ALL MECHANICAL, ELECTRICAL, AND PIPING SYSTEMS SHALL BE REMOVED.
 - 5. ALL CEILING, WALL, AND FLOOR FINISHES SHALL BE REMOVED.
 - 6. ALL PARTITION WALLS SHALL BE REMOVED.
- B. ALL DEMOLITION SHALL BE ACCORDING TO THE CITY OF LAREDO, TEXAS, ORDINANCE 100.001, CHAPTER 100.001, ARTICLE 100.001, SECTION 100.001.
- C. ALL DEMOLITION SHALL BE ACCORDING TO THE CITY OF LAREDO, TEXAS, ORDINANCE 100.001, CHAPTER 100.001, ARTICLE 100.001, SECTION 100.001.
- D. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS FROM THE CITY OF LAREDO, TEXAS, BEFORE COMMENCING DEMOLITION.
- E. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS FROM THE CITY OF LAREDO, TEXAS, BEFORE COMMENCING DEMOLITION.
- F. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS FROM THE CITY OF LAREDO, TEXAS, BEFORE COMMENCING DEMOLITION.
- G. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS FROM THE CITY OF LAREDO, TEXAS, BEFORE COMMENCING DEMOLITION.
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- I. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS FROM THE CITY OF LAREDO, TEXAS, BEFORE COMMENCING DEMOLITION.
- J. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS FROM THE CITY OF LAREDO, TEXAS, BEFORE COMMENCING DEMOLITION.



B J.P. PRECINCT 2, PL1 & PL2 ROOF MECHANICAL PLAN
Scale: 1/8" = 1'-0"

GENERAL NOTES:

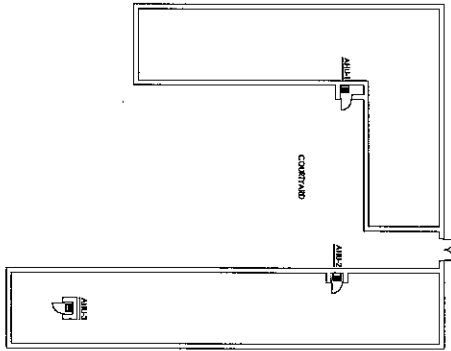
- 01. MECHANICAL SYSTEMS SHALL BE REMOVED, UNLESS OTHERWISE NOTED ON THE PLAN.
- 02. ALL MECHANICAL SYSTEMS SHALL BE REMOVED, UNLESS OTHERWISE NOTED ON THE PLAN.
- 03. ALL MECHANICAL SYSTEMS SHALL BE REMOVED, UNLESS OTHERWISE NOTED ON THE PLAN.
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- 12. ALL MECHANICAL SYSTEMS SHALL BE REMOVED, UNLESS OTHERWISE NOTED ON THE PLAN.
- 13. ALL MECHANICAL SYSTEMS SHALL BE REMOVED, UNLESS OTHERWISE NOTED ON THE PLAN.
- 14. ALL MECHANICAL SYSTEMS SHALL BE REMOVED, UNLESS OTHERWISE NOTED ON THE PLAN.
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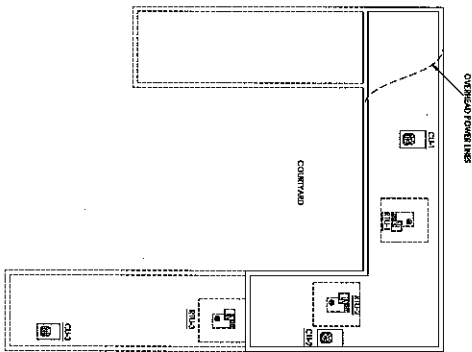
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WEBB COUNTY MECHANICAL RETROFIT
J.P. PRECINCT 2 PLACE 2 / CASA ORTIZ
LAREDO TEXAS

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A CASA ORTIZ MECHANICAL, 1ST FLOOR DEMO PLAN
SCALE: 1/8" = 1'-0"



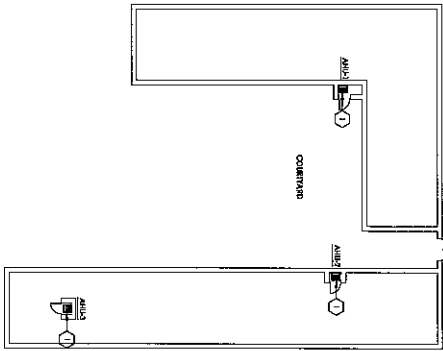
B CASA ORTIZ MECHANICAL, ROOF DEMO PLAN
SCALE: 1/8" = 1'-0"

GENERAL DEMOLITION NOTES

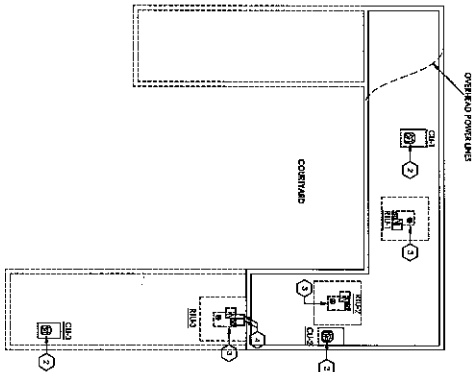
- A. REMOVE EXISTING ROOF, ALL UNDESIRABLE AND CONCRETE LUMBS AND DEBRIS. AFTER DEMOLITION, ALL LUMBS SHALL BE REMOVED TO THE STREET OR TO AN APPROVED DISPOSAL SITE. ALL DEBRIS SHALL BE REMOVED TO AN APPROVED DISPOSAL SITE.
- B. REMOVE EXISTING ROOF AND DEBRIS.
- C. SHALL BE REMOVED TO AN APPROVED DISPOSAL SITE.
- D. THE WORK OF THIS DEMOLITION SHALL BE IN ACCORDANCE WITH THE SPECIFICATIONS OF THE 2009 INTERNATIONAL BUILDING CODES AND ALL APPLICABLE LOCAL ORDINANCES.
- E. PROVIDE ALL NECESSARY SAFETY MEASURES TO PROTECT THE PUBLIC AND THE WORKERS.
- F. REMOVE ALL EXISTING ROOF AND DEBRIS TO THE STREET OR TO AN APPROVED DISPOSAL SITE.
- G. REMOVE ALL EXISTING ROOF AND DEBRIS TO THE STREET OR TO AN APPROVED DISPOSAL SITE.
- H. REMOVE ALL EXISTING ROOF AND DEBRIS TO THE STREET OR TO AN APPROVED DISPOSAL SITE.
- I. REMOVE ALL EXISTING ROOF AND DEBRIS TO THE STREET OR TO AN APPROVED DISPOSAL SITE.
- J. REMOVE ALL EXISTING ROOF AND DEBRIS TO THE STREET OR TO AN APPROVED DISPOSAL SITE.
- K. REMOVE ALL EXISTING ROOF AND DEBRIS TO THE STREET OR TO AN APPROVED DISPOSAL SITE.
- L. REMOVE ALL EXISTING ROOF AND DEBRIS TO THE STREET OR TO AN APPROVED DISPOSAL SITE.
- M. REMOVE ALL EXISTING ROOF AND DEBRIS TO THE STREET OR TO AN APPROVED DISPOSAL SITE.
- N. REMOVE ALL EXISTING ROOF AND DEBRIS TO THE STREET OR TO AN APPROVED DISPOSAL SITE.
- O. REMOVE ALL EXISTING ROOF AND DEBRIS TO THE STREET OR TO AN APPROVED DISPOSAL SITE.
- P. REMOVE ALL EXISTING ROOF AND DEBRIS TO THE STREET OR TO AN APPROVED DISPOSAL SITE.
- Q. REMOVE ALL EXISTING ROOF AND DEBRIS TO THE STREET OR TO AN APPROVED DISPOSAL SITE.
- R. REMOVE ALL EXISTING ROOF AND DEBRIS TO THE STREET OR TO AN APPROVED DISPOSAL SITE.
- S. REMOVE ALL EXISTING ROOF AND DEBRIS TO THE STREET OR TO AN APPROVED DISPOSAL SITE.
- T. REMOVE ALL EXISTING ROOF AND DEBRIS TO THE STREET OR TO AN APPROVED DISPOSAL SITE.
- U. REMOVE ALL EXISTING ROOF AND DEBRIS TO THE STREET OR TO AN APPROVED DISPOSAL SITE.
- V. REMOVE ALL EXISTING ROOF AND DEBRIS TO THE STREET OR TO AN APPROVED DISPOSAL SITE.
- W. REMOVE ALL EXISTING ROOF AND DEBRIS TO THE STREET OR TO AN APPROVED DISPOSAL SITE.
- X. REMOVE ALL EXISTING ROOF AND DEBRIS TO THE STREET OR TO AN APPROVED DISPOSAL SITE.
- Y. REMOVE ALL EXISTING ROOF AND DEBRIS TO THE STREET OR TO AN APPROVED DISPOSAL SITE.
- Z. REMOVE ALL EXISTING ROOF AND DEBRIS TO THE STREET OR TO AN APPROVED DISPOSAL SITE.



PROJECT # : DATE : CHECKED BY : LAM REVISION:	WEBB COUNTY MECHANICAL RETROFIT J.P. PRECINT 2 PLACE 2 / CASA ORTIZ LAREDO TEXAS	MP02
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P.M.
N
M.E.H.
A CASA ORTIZ MECHANICAL 1ST FLOOR PLAN
SCALE: 1/8" = 1'-0"



P.M.
N
M.E.H.
B CASA ORTIZ MECHANICAL ROOF PLAN
SCALE: 1/8" = 1'-0"

KEYED NOTES: MECHANICAL

- ① * INSTALL AIR HANDLING CURTAINS SERVING BOTH THE ADJACENT ROOMS. CURTAINS SHALL BE INSTALLED TO PROVIDE Airtightness TO THE ROOMS. CURTAINS SHALL BE INSTALLED TO THE ROOMS. CURTAINS SHALL BE INSTALLED TO THE ROOMS. CURTAINS SHALL BE INSTALLED TO THE ROOMS.
- ② * RE-CONSTRUCTION SHALL BE ACCORDING TO THE LATEST AVAILABLE CODES AND STANDARDS. ALL WORK SHALL BE ACCORDING TO THE LATEST AVAILABLE CODES AND STANDARDS. ALL WORK SHALL BE ACCORDING TO THE LATEST AVAILABLE CODES AND STANDARDS.
- ③ * PROVIDE ALL NECESSARY ELECTRICAL WORK. ALL ELECTRICAL WORK SHALL BE ACCORDING TO THE LATEST AVAILABLE CODES AND STANDARDS. ALL ELECTRICAL WORK SHALL BE ACCORDING TO THE LATEST AVAILABLE CODES AND STANDARDS.
- ④ * PROVIDE ALL NECESSARY MECHANICAL WORK. ALL MECHANICAL WORK SHALL BE ACCORDING TO THE LATEST AVAILABLE CODES AND STANDARDS. ALL MECHANICAL WORK SHALL BE ACCORDING TO THE LATEST AVAILABLE CODES AND STANDARDS.



MP03

WEBB COUNTY MECHANICAL RETROFIT
LAREDO J.P. PRECINT 2 PLACE 2 / CASA ORTIZ TEXAS

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WEBB COUNTY MECHANICAL RETROFIT
 J.P. PRECINCT 2 PLACE 2 / CASA ORTIZ
 LAREDO

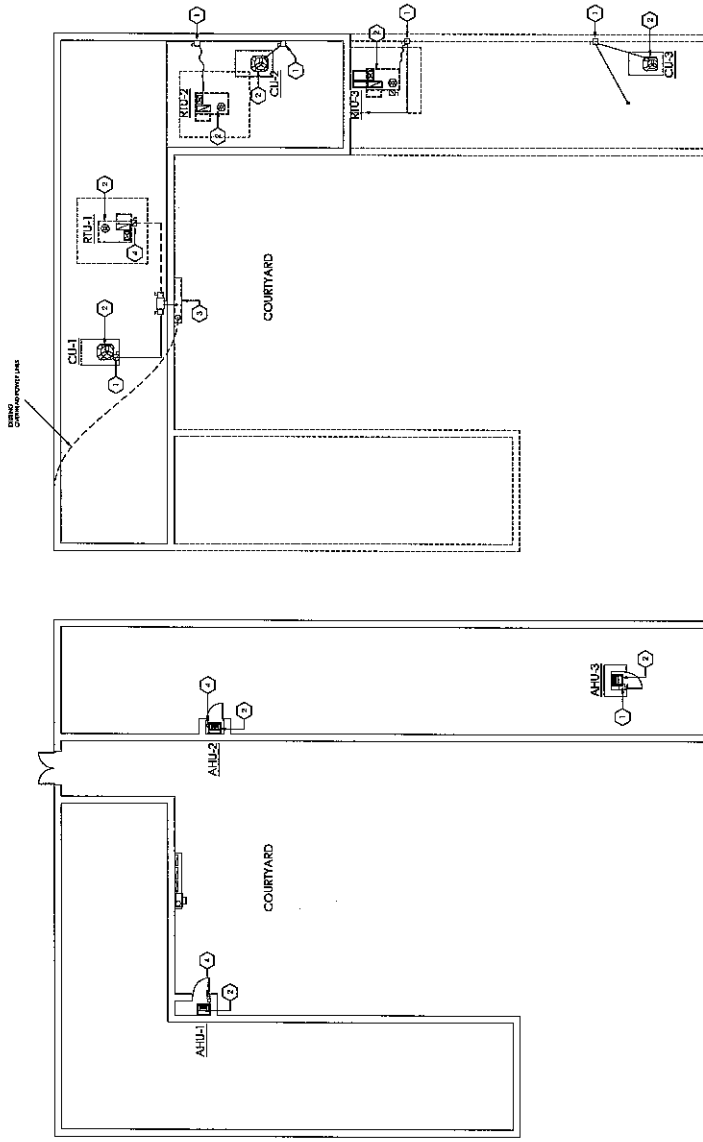
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GENERAL DEMOLITION NOTES (TO ALL SHEETS)

- A. DEMOLITION SHALL BE IN ACCORDANCE WITH THE TEXAS ELECTRICAL CODE AND THE NATIONAL ELECTRICAL CODE. CONTRACTORS SHALL BE RESPONSIBLE TO VERIFY THE EXISTING ELECTRICAL SYSTEMS AND TO OBTAIN ALL NECESSARY PERMITS AND APPROVALS FROM THE LOCAL ELECTRICAL INSPECTOR. CONTRACTORS SHALL BE RESPONSIBLE TO OBTAIN ALL NECESSARY PERMITS AND APPROVALS FROM THE LOCAL ELECTRICAL INSPECTOR.
- B. ALL WIRING SHALL BE CONDUCTED IN ACCORDANCE WITH THE TEXAS ELECTRICAL CODE AND THE NATIONAL ELECTRICAL CODE.
- C. ALL WIRING SHALL BE CONDUCTED IN ACCORDANCE WITH THE TEXAS ELECTRICAL CODE AND THE NATIONAL ELECTRICAL CODE.
- D. ALL ELECTRICAL WORK SHALL BE IN ACCORDANCE WITH THE TEXAS ELECTRICAL CODE AND THE NATIONAL ELECTRICAL CODE.
- E. CONTRACTORS SHALL VERIFY THE EXISTING ELECTRICAL SYSTEMS AND TO OBTAIN ALL NECESSARY PERMITS AND APPROVALS FROM THE LOCAL ELECTRICAL INSPECTOR. CONTRACTORS SHALL BE RESPONSIBLE TO OBTAIN ALL NECESSARY PERMITS AND APPROVALS FROM THE LOCAL ELECTRICAL INSPECTOR.
- F. CONTRACTORS SHALL VERIFY THE EXISTING ELECTRICAL SYSTEMS AND TO OBTAIN ALL NECESSARY PERMITS AND APPROVALS FROM THE LOCAL ELECTRICAL INSPECTOR. CONTRACTORS SHALL BE RESPONSIBLE TO OBTAIN ALL NECESSARY PERMITS AND APPROVALS FROM THE LOCAL ELECTRICAL INSPECTOR.
- G. IN COORDINATION WITH OTHER CONTRACTORS, DETERMINE THE EXACT LOCATION OF ALL EXISTING ELECTRICAL SYSTEMS AND TO OBTAIN ALL NECESSARY PERMITS AND APPROVALS FROM THE LOCAL ELECTRICAL INSPECTOR. CONTRACTORS SHALL BE RESPONSIBLE TO OBTAIN ALL NECESSARY PERMITS AND APPROVALS FROM THE LOCAL ELECTRICAL INSPECTOR.
- H. CONTRACTORS SHALL VERIFY THE EXISTING ELECTRICAL SYSTEMS AND TO OBTAIN ALL NECESSARY PERMITS AND APPROVALS FROM THE LOCAL ELECTRICAL INSPECTOR. CONTRACTORS SHALL BE RESPONSIBLE TO OBTAIN ALL NECESSARY PERMITS AND APPROVALS FROM THE LOCAL ELECTRICAL INSPECTOR.
- I. CONTRACTORS SHALL VERIFY THE EXISTING ELECTRICAL SYSTEMS AND TO OBTAIN ALL NECESSARY PERMITS AND APPROVALS FROM THE LOCAL ELECTRICAL INSPECTOR. CONTRACTORS SHALL BE RESPONSIBLE TO OBTAIN ALL NECESSARY PERMITS AND APPROVALS FROM THE LOCAL ELECTRICAL INSPECTOR.
- J. CONTRACTORS SHALL VERIFY THE EXISTING ELECTRICAL SYSTEMS AND TO OBTAIN ALL NECESSARY PERMITS AND APPROVALS FROM THE LOCAL ELECTRICAL INSPECTOR. CONTRACTORS SHALL BE RESPONSIBLE TO OBTAIN ALL NECESSARY PERMITS AND APPROVALS FROM THE LOCAL ELECTRICAL INSPECTOR.
- K. CONTRACTORS SHALL VERIFY THE EXISTING ELECTRICAL SYSTEMS AND TO OBTAIN ALL NECESSARY PERMITS AND APPROVALS FROM THE LOCAL ELECTRICAL INSPECTOR. CONTRACTORS SHALL BE RESPONSIBLE TO OBTAIN ALL NECESSARY PERMITS AND APPROVALS FROM THE LOCAL ELECTRICAL INSPECTOR.
- L. CONTRACTORS SHALL VERIFY THE EXISTING ELECTRICAL SYSTEMS AND TO OBTAIN ALL NECESSARY PERMITS AND APPROVALS FROM THE LOCAL ELECTRICAL INSPECTOR. CONTRACTORS SHALL BE RESPONSIBLE TO OBTAIN ALL NECESSARY PERMITS AND APPROVALS FROM THE LOCAL ELECTRICAL INSPECTOR.
- M. CONTRACTORS SHALL VERIFY THE EXISTING ELECTRICAL SYSTEMS AND TO OBTAIN ALL NECESSARY PERMITS AND APPROVALS FROM THE LOCAL ELECTRICAL INSPECTOR. CONTRACTORS SHALL BE RESPONSIBLE TO OBTAIN ALL NECESSARY PERMITS AND APPROVALS FROM THE LOCAL ELECTRICAL INSPECTOR.
- N. CONTRACTORS SHALL VERIFY THE EXISTING ELECTRICAL SYSTEMS AND TO OBTAIN ALL NECESSARY PERMITS AND APPROVALS FROM THE LOCAL ELECTRICAL INSPECTOR. CONTRACTORS SHALL BE RESPONSIBLE TO OBTAIN ALL NECESSARY PERMITS AND APPROVALS FROM THE LOCAL ELECTRICAL INSPECTOR.
- O. CONTRACTORS SHALL VERIFY THE EXISTING ELECTRICAL SYSTEMS AND TO OBTAIN ALL NECESSARY PERMITS AND APPROVALS FROM THE LOCAL ELECTRICAL INSPECTOR. CONTRACTORS SHALL BE RESPONSIBLE TO OBTAIN ALL NECESSARY PERMITS AND APPROVALS FROM THE LOCAL ELECTRICAL INSPECTOR.
- P. CONTRACTORS SHALL VERIFY THE EXISTING ELECTRICAL SYSTEMS AND TO OBTAIN ALL NECESSARY PERMITS AND APPROVALS FROM THE LOCAL ELECTRICAL INSPECTOR. CONTRACTORS SHALL BE RESPONSIBLE TO OBTAIN ALL NECESSARY PERMITS AND APPROVALS FROM THE LOCAL ELECTRICAL INSPECTOR.
- Q. CONTRACTORS SHALL VERIFY THE EXISTING ELECTRICAL SYSTEMS AND TO OBTAIN ALL NECESSARY PERMITS AND APPROVALS FROM THE LOCAL ELECTRICAL INSPECTOR. CONTRACTORS SHALL BE RESPONSIBLE TO OBTAIN ALL NECESSARY PERMITS AND APPROVALS FROM THE LOCAL ELECTRICAL INSPECTOR.
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- S. CONTRACTORS SHALL VERIFY THE EXISTING ELECTRICAL SYSTEMS AND TO OBTAIN ALL NECESSARY PERMITS AND APPROVALS FROM THE LOCAL ELECTRICAL INSPECTOR. CONTRACTORS SHALL BE RESPONSIBLE TO OBTAIN ALL NECESSARY PERMITS AND APPROVALS FROM THE LOCAL ELECTRICAL INSPECTOR.
- T. CONTRACTORS SHALL VERIFY THE EXISTING ELECTRICAL SYSTEMS AND TO OBTAIN ALL NECESSARY PERMITS AND APPROVALS FROM THE LOCAL ELECTRICAL INSPECTOR. CONTRACTORS SHALL BE RESPONSIBLE TO OBTAIN ALL NECESSARY PERMITS AND APPROVALS FROM THE LOCAL ELECTRICAL INSPECTOR.
- U. CONTRACTORS SHALL VERIFY THE EXISTING ELECTRICAL SYSTEMS AND TO OBTAIN ALL NECESSARY PERMITS AND APPROVALS FROM THE LOCAL ELECTRICAL INSPECTOR. CONTRACTORS SHALL BE RESPONSIBLE TO OBTAIN ALL NECESSARY PERMITS AND APPROVALS FROM THE LOCAL ELECTRICAL INSPECTOR.
- V. CONTRACTORS SHALL VERIFY THE EXISTING ELECTRICAL SYSTEMS AND TO OBTAIN ALL NECESSARY PERMITS AND APPROVALS FROM THE LOCAL ELECTRICAL INSPECTOR. CONTRACTORS SHALL BE RESPONSIBLE TO OBTAIN ALL NECESSARY PERMITS AND APPROVALS FROM THE LOCAL ELECTRICAL INSPECTOR.
- W. CONTRACTORS SHALL VERIFY THE EXISTING ELECTRICAL SYSTEMS AND TO OBTAIN ALL NECESSARY PERMITS AND APPROVALS FROM THE LOCAL ELECTRICAL INSPECTOR. CONTRACTORS SHALL BE RESPONSIBLE TO OBTAIN ALL NECESSARY PERMITS AND APPROVALS FROM THE LOCAL ELECTRICAL INSPECTOR.
- X. CONTRACTORS SHALL VERIFY THE EXISTING ELECTRICAL SYSTEMS AND TO OBTAIN ALL NECESSARY PERMITS AND APPROVALS FROM THE LOCAL ELECTRICAL INSPECTOR. CONTRACTORS SHALL BE RESPONSIBLE TO OBTAIN ALL NECESSARY PERMITS AND APPROVALS FROM THE LOCAL ELECTRICAL INSPECTOR.
- Y. CONTRACTORS SHALL VERIFY THE EXISTING ELECTRICAL SYSTEMS AND TO OBTAIN ALL NECESSARY PERMITS AND APPROVALS FROM THE LOCAL ELECTRICAL INSPECTOR. CONTRACTORS SHALL BE RESPONSIBLE TO OBTAIN ALL NECESSARY PERMITS AND APPROVALS FROM THE LOCAL ELECTRICAL INSPECTOR.
- Z. CONTRACTORS SHALL VERIFY THE EXISTING ELECTRICAL SYSTEMS AND TO OBTAIN ALL NECESSARY PERMITS AND APPROVALS FROM THE LOCAL ELECTRICAL INSPECTOR. CONTRACTORS SHALL BE RESPONSIBLE TO OBTAIN ALL NECESSARY PERMITS AND APPROVALS FROM THE LOCAL ELECTRICAL INSPECTOR.

KEYED NOTES: DEMOLITION

1. DEMOLISH ALL EXISTING ELECTRICAL SYSTEMS AND TO OBTAIN ALL NECESSARY PERMITS AND APPROVALS FROM THE LOCAL ELECTRICAL INSPECTOR. CONTRACTORS SHALL BE RESPONSIBLE TO OBTAIN ALL NECESSARY PERMITS AND APPROVALS FROM THE LOCAL ELECTRICAL INSPECTOR.
2. DEMOLISH ALL EXISTING ELECTRICAL SYSTEMS AND TO OBTAIN ALL NECESSARY PERMITS AND APPROVALS FROM THE LOCAL ELECTRICAL INSPECTOR. CONTRACTORS SHALL BE RESPONSIBLE TO OBTAIN ALL NECESSARY PERMITS AND APPROVALS FROM THE LOCAL ELECTRICAL INSPECTOR.
3. DEMOLISH ALL EXISTING ELECTRICAL SYSTEMS AND TO OBTAIN ALL NECESSARY PERMITS AND APPROVALS FROM THE LOCAL ELECTRICAL INSPECTOR. CONTRACTORS SHALL BE RESPONSIBLE TO OBTAIN ALL NECESSARY PERMITS AND APPROVALS FROM THE LOCAL ELECTRICAL INSPECTOR.
4. DEMOLISH ALL EXISTING ELECTRICAL SYSTEMS AND TO OBTAIN ALL NECESSARY PERMITS AND APPROVALS FROM THE LOCAL ELECTRICAL INSPECTOR. CONTRACTORS SHALL BE RESPONSIBLE TO OBTAIN ALL NECESSARY PERMITS AND APPROVALS FROM THE LOCAL ELECTRICAL INSPECTOR.



A CASA ORTIZ 1ST FLOOR ELECTRICAL DEMOLITION PLAN
 SCALE: 1/4" = 1'-0"

B CASA ORTIZ ROOF ELECTRICAL DEMOLITION PLAN
 SCALE: 1/4" = 1'-0"



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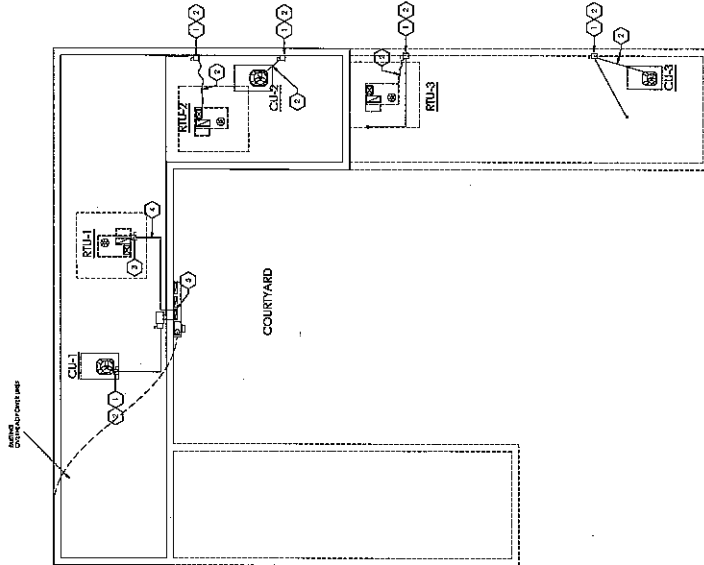
WEBB COUNTY MECHANICAL RETROFIT

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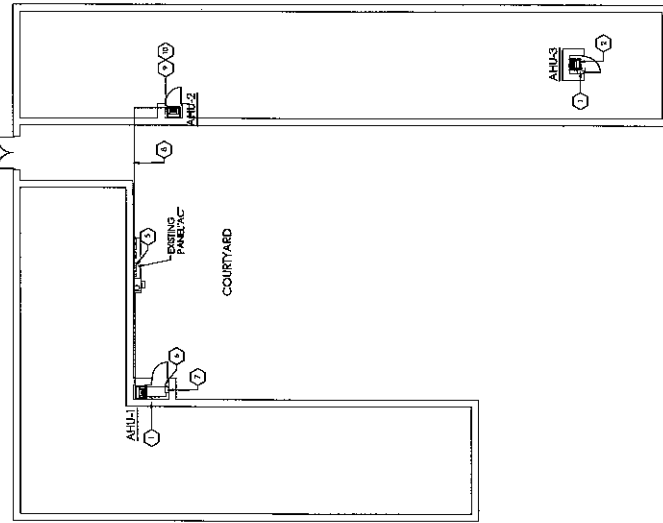
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- GENERAL NOTES: POWER**
- VERIFY ALL ELECTRICAL CONNECTIONS WITH THE CONTRACTOR BEFORE ANY WORK BEGINS IN THE FIELD.
 - COORDINATE EXISTING ELECTRICAL EQUIPMENT WITH MECHANICAL EQUIPMENT IN ACCORDANCE WITH THE MECHANICAL CONTRACTOR'S REQUIREMENTS.
 - CONTRACTOR SHALL VERIFY CONTRACTOR'S SHOWN LOCATION OF ALL ELECTRICAL EQUIPMENT WITH MECHANICAL CONTRACTOR'S SHOWN LOCATION OF ALL MECHANICAL EQUIPMENT.
 - ELECTRICAL CONTRACTOR SHALL PROVIDE LABOR AND MATERIAL FOR ALL ELECTRICAL CONNECTIONS AND REPAIRS.
 - COORDINATE EXISTING ELECTRICAL EQUIPMENT WITH MECHANICAL CONTRACTOR'S SHOWN LOCATION OF ALL MECHANICAL EQUIPMENT.
 - ALL NEW ELECTRICAL CONNECTIONS SHALL BE CONDUCTED AS MUCH AS POSSIBLE WITH EXISTING CONDUITS.

- KEYED NOTES: POWER**
- VERIFY ALL ELECTRICAL CONNECTIONS SHALL BE MADE FOR RECONNECTION. RUD VERIFY EXISTING CONDITIONS.
 - CONNECT TO EXISTING ELECTRICAL SERVICE BY RUNNING THE SERVICE THROUGH THE EXISTING ELECTRICAL SERVICE PANEL TO THE NEW SERVICE PANEL TO BE CONNECTED TO THE NEW RUD.
 - CONDUCTOR SHALL VERIFY CONTRACTOR'S SHOWN LOCATION OF ALL ELECTRICAL EQUIPMENT WITH MECHANICAL CONTRACTOR'S SHOWN LOCATION OF ALL MECHANICAL EQUIPMENT.
 - CONTRACTOR SHALL VERIFY CONTRACTOR'S SHOWN LOCATION OF ALL ELECTRICAL EQUIPMENT WITH MECHANICAL CONTRACTOR'S SHOWN LOCATION OF ALL MECHANICAL EQUIPMENT.
 - CONTRACTOR SHALL VERIFY CONTRACTOR'S SHOWN LOCATION OF ALL ELECTRICAL EQUIPMENT WITH MECHANICAL CONTRACTOR'S SHOWN LOCATION OF ALL MECHANICAL EQUIPMENT.
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 - CONTRACTOR SHALL VERIFY CONTRACTOR'S SHOWN LOCATION OF ALL ELECTRICAL EQUIPMENT WITH MECHANICAL CONTRACTOR'S SHOWN LOCATION OF ALL MECHANICAL EQUIPMENT.



PLAN A CASA ORTIZ 1ST FLOOR ELECTRICAL EQUIPMENT PLAN
SCALE: 3/32" = 1'-0"
NORTH



PLAN B CASA ORTIZ ROOF ELECTRICAL EQUIPMENT PLAN
SCALE: 3/32" = 1'-0"
NORTH



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**GENERAL CONDITIONS
FOR WEBB COUNTY CONSTRUCTION CONTRACTS**

ARTICLE I. GENERAL PROVISIONS

1.1 CONTRACT DEFINITIONS

Wherever used in the Contract Documents and printed with initial capital letters, the terms listed below shall have the meanings indicated, which are applicable to both the singular and plural thereof.

- 1.1.1. "ALTERNATE" means a variation in the Work in which WEBB COUNTY requires a price separate from the Base Bid. If an Alternate is accepted by WEBB COUNTY, the variation shall become a part of the Contract through award of the Contract and the Base Bid shall be adjusted to include the amount quoted as stated in the Notice of Award to Contractor. If an Alternate is accepted by WEBB COUNTY, and later deleted, WEBB COUNTY shall be entitled to a credit in the full value of the Alternate as priced in Contractor's Bid Proposal.
- 1.1.2. "AMENDMENT" is a written modification of the Contract prepared by WEBB COUNTY or Design Consultant and signed by WEBB COUNTY and Contractor, (and approved by the WEBB COUNTY COMMISSIONERS COURT, if required) which authorizes an addition, deletion or revision in the Work (specifically the services) or an adjustment in the Contract Sum or the Contract Times and is issued on or after the Effective Date of the Contract.
- 1.1.3. "BASE BID" is the price quoted for the Work before Alternates are considered.
- 1.1.4. "CHANGE ORDER" refer to Article VII herein for definition.
- 1.1.5. "WEBB COUNTY" is defined in Article II herein.
- 1.1.6. "WEBB COUNTY COMMISSIONERS COURT" means the duly elected members of the WEBB COUNTY COMMISSIONERS COURT of WEBB COUNTY, Texas.
- 1.1.7. "CONSTRUCTION OBSERVER/INSPECTOR (hereafter referred to as "COI") is the authorized representative of WEBB COUNTY to observe and inspect any or all parts of the Project and the materials to be used therein. Also referred to herein as Resident Inspector.
- 1.1.8. "CONTRACT" means the Contract Documents which represent the entire and integrated agreement between WEBB COUNTY and Contractor and supersede all prior negotiations, representations or agreements, either written or oral. The

terms and conditions of the Contract Documents may be changed only in writing by a Field Work Directive, Change Order or Amendment. The Contract Documents shall not be construed to create a contractual relationship of any kind between:

- 1.1.8.1. Design Consultant and Contractor;
 - 1.1.8.2. WEBB COUNTY and a Subcontractor or Sub-Subcontractor; or
 - 1.1.8.3. any persons or entities other than WEBB COUNTY and Contractor.
- 1.1.9. “CONTRACT DOCUMENTS” means the Construction Contract between WEBB COUNTY and Contractor, which consists of, but is not limited to, the following: the solicitation documents, the Notice of Award, an enabling WEBB COUNTY Ordinance and all other contract-related documents, which include:
- 1.1.9.1. General Conditions;
 - 1.1.9.2. Vertical and/or Horizontal specific General Conditions and Special Conditions included by Special Provisions or addenda;
 - 1.1.9.3. Drawings;
 - 1.1.9.4. Specifications;
 - 1.1.9.5. addenda issued prior to the close of the solicitation period;
 - 1.1.9.6. other documents listed in the Contract, including Field Work Directives, Change Orders and/or Amendments; and
 - 1.1.9.7. a written order for a minor change in the Work issued by Design Consultant and/or WEBB COUNTY, as described in Article VII herein.
- The geotechnical and subsurface reports, which WEBB COUNTY may have provided to Contractor, specifically are excluded from the Contract Documents.
- 1.1.10. “CONTRACT TIME” means, unless otherwise provided, the period of time, including any authorized adjustments, allotted in the Contract Documents for Substantial Completion of the Work. When the plural (“Contract Times”) is used, it refers to milestones designated in the Work Progress Schedule.
- 1.1.11. “CONTRACTOR” means the entity entering into a Contract with WEBB COUNTY to complete the Work. Contractor, as used herein, includes

Construction Manager at Risk or other applicable entities performing work under a Contract with WEBB COUNTY.

- 1.1.12. "DAY" as used in the Contract Documents shall mean Calendar Day, unless otherwise specifically defined. A Calendar Day is a day of 24 hours, measured from midnight to the next midnight, unless otherwise specifically stipulated. For Projects not affecting WEBB COUNTY traffic, a determination made solely by WEBB COUNTY on a project-by-project basis, a Working Day is measured from sunrise to sundown Monday through Friday, except legal holidays, or the hours during which Contractor has been authorized and/or directed to work by WEBB COUNTY. For Projects affecting WEBB COUNTY traffic, a determination made solely by WEBB COUNTY on a project-by-project basis, a working day shall mean sunrise to sundown Monday through Saturday, except legal holidays, or hours during which Contractor has been authorized and/or directed to work by WEBB COUNTY.
- 1.1.13. "DEPARTMENT" means the Webb County Engineering Department
- 1.1.14. "DESIGN CONSULTANT" means, unless the context clearly indicates otherwise, an Engineer, Architect or other Design Consultant in private practice, licensed to do work in Texas and retained for a specific project under a contractual agreement with WEBB COUNTY. In the event there is no private Engineer, Architect or other Design Consultant then the DEPARTMENT ENGINEER is the DESIGN CONSULTANT.
- 1.1.15. "DRAWINGS" (also referred to herein as "Plans") are the graphic and pictorial portions of the Contract Documents, wherever located and whenever issued, showing the design, location and dimensions of Work, generally including elevations, sections, details, schedules and diagrams.
- 1.1.16. "FIELD WORK DIRECTIVES" OR "FORCE ACCOUNT" is a written order signed by WEBB COUNTY directing a change in the Work prior to agreement and adjustment, if any, in the Contract Sum and/or Contract, as further defined in Section 7.3 herein.
- 1.1.17. "HAZARDOUS SUBSTANCE" is defined to include the following:
- 1.1.17.1. any asbestos or any material which contains any hydrated mineral silicate, including chrysolite, amosite, crocidolite, tremolite, anthophyllite or actinolite, whether friable or non-friable;
 - 1.1.17.2. any polychlorinated biphenyls ("PCBs"), or PCB-containing materials, or fluids;
 - 1.1.17.3. radon;

- 1.1.17.4. any other hazardous, radioactive, toxic or noxious substance, material, pollutant, or solid, liquid or gaseous waste; any pollutant or contaminant (including but not limited to petroleum, petroleum hydrocarbons, petroleum products, crude oil or any fractions thereof, any oil or gas exploration or production waste, any natural gas, synthetic gas or any mixture thereof, lead, or other toxic metals) which in its condition, concentration or area of release could have a significant effect on human health, the environment, or natural resources;
- 1.1.17.5. any substance, whether by its nature or its use, is subject to regulation or requires environmental investigation, monitoring, or remediation under any federal, state, or local environmental laws, rules, or regulations;
- 1.1.17.6. any underground storage tanks, as defined in 42 U.S.C. Section 6991(1)(A)(I) (including those defined by Section 9001(1) of the 1984 Hazardous and Solid Waste Amendments to the Resource Conservation and Recovery Act, 42 U.S.C. Section 6901 et seq.;
- 1.1.17.7. the Texas Water Code Annotated Section 26.344; and Title 30 of the Texas Administrative Code Sections 334.3 and 334.4), whether empty, filled or partially filled with any substance; and
- 1.1.17.8. any other hazardous material, hazardous waste, hazardous substance, solid waste, and toxic substance as those or similar terms are defined under any federal, state, or local environmental laws, rules, or regulations.
- 1.1.18. "Liquidated Damages" reflect the daily monetary compensation, as designated in the Project's solicitation and contract documents, to be paid to WEBB COUNTY by Contractor for losses/damages incurred by WEBB COUNTY as a result of Contractor's failure to achieve the contractual dates for Substantial Completion and/or Final Completion of the Project.
- 1.1.19. "NOTICE TO PROCEED (HEREIN ALSO REFERRED TO AS "WORK PROJECT AUTHORIZATION" OR "NTP")" is a written notice given by WEBB COUNTY to Contractor establishing the date on which the Contract Time shall commence to run and the date on which Contractor may begin performance of its contractual obligations.
- 1.1.20. "OWNER" is defined in Article II herein.
- 1.1.21. "OWNER'S DESIGNATED REPRESENTATIVE (ODR)" means the person(s) designated by WEBB COUNTY to act for WEBB COUNTY.

- 1.1.22. "Party" shall refer to WEBB COUNTY or Contractor individually herein.
- 1.1.23. "Parties" shall refer to WEBB COUNTY and Contractor collectively herein.
- 1.1.24. "PROJECT" means the total design and construction of Work performed under the Contract Documents and may be the whole or a part of the Project and which may include construction by WEBB COUNTY or by separate contractors. All references in these General Conditions to or concerning the Work or the Site of the Work shall use the term "Project," notwithstanding the Work referenced only may be a part of the Project.
- 1.1.25. "PROJECT MANAGEMENT TEAM" is composed of WEBB COUNTY, its representatives, Design Consultant and Program Manager (if any) for this Work.
- 1.1.26. "SITE" means the land(s) or area(s) (as indicated in the Contract Documents) furnished by WEBB COUNTY, upon which the Work is to be performed, including rights-of-way and easements for access thereto, and such other lands furnished by WEBB COUNTY which are designated for the use of Contractor.
- 1.1.27. "SPECIAL CONDITIONS" are terms and conditions to a contractual agreement which supplement and are superior to these General Conditions and grant greater authority or impose greater restrictions upon Contractor, beyond those granted or imposed in these General Conditions. WEBB COUNTY's Horizontal Special Conditions are attached hereto, made a part of these General Conditions and shall be used as applicable.
- 1.1.28. "SPECIFICATIONS" are those elements of the Contract Documents consisting of the written requirements for materials, equipment, construction systems, standards, workmanship for the Work, performance of related services and other technical requirements.
- 1.1.29. "SUBSTANTIAL COMPLETION" is the date certified by WEBB COUNTY and Design Consultant, in accordance with Section 9.8 herein, when the Work, or a designated portion thereof, is sufficiently complete in accordance with the Contract Documents so as to be operational and fit for the intended use by WEBB COUNTY.
- 1.1.30. "TEMPORARY BENCH MARKS (TBM)" are temporary affixed marks which establish the exact elevation of a place; TBMs are used by surveyors in measuring site elevations or as a starting point for surveys.
- 1.1.31. "THE 3D MODEL" is the Building Information Model prepared by Design Consultant in the format designated, approved and acceptable to WEBB COUNTY with databases of materials, products and systems available for use

by Contractor to prepare schedules for cost estimating, product and materials placement schedules and evaluations of crash incidences. The 3D Model, if available, may be used as a tool, however all information taken from the Model is the responsibility of Contractor and not WEBB COUNTY or Design Consultant.

1.1.32. "WORK" means the construction and services required by the Contract Documents, whether completed or partially completed, and includes all labor, materials, equipment and services provided or to be provided by Contractor, or any Subcontractors, Sub-Subcontractors, material suppliers or any other entities for which Contractor is responsible, to fulfill the Contractor's obligations. The Work may constitute the whole or a part of the Project.

1.1.33. OTHER DEFINITIONS. As used in the Contract Documents, the following additional terms have the following meanings:

1.1.33.1. "provide" means to furnish, install, fabricate, deliver and erect, including all services, materials, appurtenances and all other expenses necessary to complete in place and ready for operation or use;

1.1.33.2. "shall" means the mandatory action of the Party of which reference is being made;

1.1.33.3. "as required" means as prescribed in the Contract Documents; and

1.1.33.4. "as necessary" means all action essential or needed to complete the work in accordance with the Contract Documents and applicable laws, ordinances, construction codes and regulations.

1.2 PRELIMINARY MATTERS

1.1.34. Upon the WEBB COUNTY Commissioners Court's award of the project, a Notice of Award Letter shall be sent to Contractor by WEBB COUNTY, notifying Contractor of the award of a contract. In its Notice of Award Letter, Contractor shall be informed of a date certain by which Contractor's bond(s) and evidence of insurance shall be delivered to WEBB COUNTY.

1.1.35. DELIVERY OF CONTRACT AND BONDS. Not later than the Pre-Construction meeting and prior to the commencement of any Work on the Project, Contractor shall deliver a fully executed Contract to WEBB COUNTY, along with such bonds as Contractor may be required to furnish, including, but not limited to, a required payment bond in the form and amount specified in the Contract Documents and these General Conditions and a required performance bond in the form and amount specified in the Contract Documents and these

General Conditions.

- 1.1.36. DELIVERY OF EVIDENCE OF INSURANCE. Not later than the Pre-Construction meeting, and prior to the commencement of any Work under this Contract, Contractor shall deliver evidence of insurance to WEBB COUNTY. Contractor shall furnish an original completed Certificate of Insurance and a copy of all insurance policies, together with all required endorsements thereto, required by the Contract Documents to WEBB COUNTY, or its delegated department, clearly labeled with the name of the Project and which shall contain all information required by the Contract Documents. Contractor shall be prohibited from commencing the Work and WEBB COUNTY shall have no duty to pay or perform under this Contract until such evidence of insurance is delivered to WEBB COUNTY. No officer or employee, other than WEBB COUNTY's Commissioners Court, shall have authority to waive this requirement.
- 1.1.37. NOTICE TO PROCEED AND COMMENCEMENT OF CONTRACT TIMES. Unless otherwise stated on the Notice to Proceed, the Contract Time shall commence to run on the date stated on the Notice to Proceed. No Work shall commence any earlier than the date stated on Notice to Proceed and no Work shall be performed by Contractor or any Subcontractor prior to issuance of the Notice to Proceed. Any work commenced prior to Contractor receiving a Notice to Proceed is performed at Contractor's risk.
- 1.1.38. SUBMISSION OF PROJECT SCHEDULE(S). Prior to commencement of Work (unless otherwise specified elsewhere in the Contract Documents), Contractor shall submit to the Webb County Engineer and Design Consultant or their designee the Project schedule(s), as defined in Section 3.10 herein, a minimum of five (5) days prior to the Pre-Construction Conference.
- 1.1.39. PRE-CONSTRUCTION CONFERENCE. Before Contractor commences any Work on the Project, a Pre-Construction Conference attended by Contractor, Design Consultant, OWNER'S DESIGNATED REPRESENTATIVE(s) and others, as appropriate, shall be held to establish a working understanding among the Parties as to the Work and discuss, at minimum: the Project Schedule(s) referenced in this Article 1; the procedures for handling Shop Drawings and other submittals; the processing of Applications for Payment; and Contractor maintaining required records. The Notice to Proceed may be issued at the Pre-Construction Conference or issued by WEBB COUNTY at any time at WEBB COUNTY's discretion. Said issuance of the Notice to Proceed shall not be unreasonably withheld by WEBB COUNTY.
- 1.1.40. Payments for services, goods, work, equipment and materials are contingent upon and subject to the availability and appropriation of funds. In the event funds are not available, appropriated or encumbered to fund a Project, then, at WEBB COUNTY's discretion, this Contract may be terminated immediately

with no additional liability to WEBB COUNTY.

1.3 CONTRACT DOCUMENTS

- 1.1.41. EXECUTION OF CONTRACT DOCUMENTS. Execution of the Contract by Contractor is a representation Contractor has been provided unrestricted access to the existing improvements and conditions on the Project Site, Contractor thoroughly has investigated the visible conditions at the Site and the general local conditions affecting the Work and Contractor's investigation was instrumental in preparing its bid or proposal submitted to WEBB COUNTY to perform the Work. Contractor shall not make or be entitled to any claim for any adjustment to the Contract Time or the Contract Sum arising from conditions which Contractor discovered or, in the exercise of reasonable care, should have discovered in Contractor's investigation.
- 1.1.42. OWNERSHIP AND USE OF DRAWINGS, SPECIFICATIONS AND OTHER INSTRUMENTS OF SERVICE. The Drawings, Specifications and other documents, including those in electronic form, prepared by Design Consultant, its Consultants or other Consultants retained by WEBB COUNTY for the Project, which describe the Work to be executed by Contractor (collectively referred to as the "Construction Documents") are and shall remain the property of WEBB COUNTY, whether the Project for which they are made is executed or not. Contractor shall be permitted to retain one record set. Neither Contractor nor any Subcontractor, sub-Subcontractor or material or equipment supplier shall own or claim a copyright in the Drawings, Specifications and other documents prepared by Design Consultant or Design Consultant's Consultants. All copies of Construction Documents, except Contractor's record set, shall be returned or suitably accounted for to Design Consultant on request and upon completion of the Work. The Drawings, Specifications and other documents prepared by Design Consultant and Design Consultant's Consultants, along with copies thereof furnished to Contractor, are for use solely with respect to this Project. The drawings, Specifications or other documents are not to be used by Contractor or any Subcontractor or material or equipment supplier on other projects or for additions to this Project outside the scope of the Work without the specific written consent of WEBB COUNTY. Any such use without written authorization shall be at the sole risk and liability of Contractor. Contractor, Subcontractors and material or equipment suppliers are authorized to use and reproduce applicable portions of the Drawings, Specifications and other documents prepared by the Design Consultant and the Design Consultant's Consultants appropriate to and for use in the execution of their Work under the Contract Documents. All copies made under this authorization shall bear the statutory copyright notice, if any, shown on the Drawings, Specifications and other documents prepared by Design Consultant and Design Consultant's Consultants. Submittal or distribution to meet official regulatory requirements or for other purposes, in connection with this Project, is not to be construed as publication.

- 1.1.42.1. All of Contractor's non-proprietary, documentary Work product, including reports and correspondence to WEBB COUNTY, prepared pursuant to this Contract, shall be the property of WEBB COUNTY and, upon completion of this Contract and upon written request by WEBB COUNTY, promptly shall be delivered to WEBB COUNTY in a reasonably organized form, without restriction on its future use by WEBB COUNTY. For the avoidance of doubt, documentary Work product does not include privileged communications, proprietary information and documents used to prepare Contractor's Bid Proposal.
- 1.1.42.2. Contractor may retain for its files any copies of documents it chooses to retain and may use its Work product as it deems fit. Any materially- significant Work product lost or destroyed by Contractor shall be replaced or reproduced at Contractor's non-reimbursable sole cost. In addition, WEBB COUNTY shall have access during normal business hours, during the duration this Contract is in effect and for four (4) years after the final completion of the Work, unless there is an ongoing dispute under the Contract, then such access period shall extend longer until final resolution of the dispute, to all of Contractor's records and documents covering reimbursable expenses, actual base hourly rates, time cards and annual salary escalation records maintained in connection with this Contract for purposes of auditing same at the sole cost of WEBB COUNTY. The purpose of any such audit shall be for the verification of such costs. Contractor shall not be required to keep records of, or provide access to, the makeup of any negotiated and agreed-to lump sums, unit prices or fixed overhead and profit multipliers. Nothing herein shall deny Contractor the right to retain duplicates. Refusal by Contractor to comply with the provisions hereof shall entitle WEBB COUNTY to withhold any payment(s) to Contractor until compliance is obtained.
- 1.1.42.3. All of Contractor's documentary Work product shall be maintained within Contractor's offices, unless otherwise authorized by WEBB COUNTY. After expiration of this Contract, Contractor's documents may be archived in the Contractor's central record storage facility but shall remain accessible to WEBB COUNTY for the four (4) year period cited in Section 1.3.22 herein.
- 1.1.43. CORRELATION AND INTENT. The intent of the Contract Documents is to include all items necessary for the proper execution and completion of the Work by Contractor. The Contract Documents are complementary and what is required by one shall be as binding as if required by all. Performance by Contractor shall be required only to the extent consistent with the Contract Documents and which reasonably is inferable from the Contract Documents as deemed necessary to produce the indicated results. In cases of discrepancy between any drawing and the dimension figures written thereon:

The dimension figures shall govern over scaled dimensions;

Detailed Drawings and accompanying notations shall govern over general Drawings;

Specifications shall govern over Drawings, subject to Section 1.3.3.6 herein;

Supplemental Conditions shall govern over General Conditions;

Special Conditions shall govern over Specifications, Drawings and General/Supplemental Conditions; and

Negotiated Special Conditions shall govern over Special Conditions.

The most recent revision of Plans shall control over older revisions.

1.1.43.1. Organization of the Specifications into divisions, sections, articles, and the arrangement of Drawings shall not control Contractor in dividing the Work among Subcontractors or establishing the extent of Work to be performed by any trade.

1.1.43.2. Unless otherwise stated in the Contract Documents, words having well-known technical or construction industry meanings are used in the Contract Documents in accordance with such recognized meanings. Where the phrases "directed by", "ordered by" or "to the satisfaction of" WEBB COUNTY, Design Consultant or WEBB COUNTY's Resident Inspector or other specified designation occur, it is understood the directions, orders or instructions to which they relate are those within the scope of and authorized by the Contract Documents.

1.1.43.3. Reference to manufacturer's instructions, standard specifications, manuals or codes of any technical society, organization or association, laws or regulations of any governmental authority, or to any other documents, whether such reference be specific or by implication, shall mean the latest standard specification, manual, code or laws or regulations in effect at the time of opening of Contractor's Bid Proposal, except as otherwise may be specifically stated or where a particular issue is indicated. Municipal and utility standards shall govern except in case of conflict with the Specifications. In case of a conflict between the Specifications and the referenced standard, the more stringent shall govern.

1.1.43.4. The most recently issued Document takes precedence over previous issues of the same Document. The order of precedence is as follows, with the highest authority listed herein as "1" and

in descending order:

1. Modifications to the Project Contract signed by Contractor, WEBB COUNTY and Design Consultant;
2. Addenda, with those of later date(s) having precedence over those with earlier date(s);
3. Special Conditions;
4. Supplemental Conditions;
5. General Conditions;
6. Special Provisions (Horizontal Projects);
7. Specifications;
8. Drawings;

- 1.1.43.5. Should the Drawings and Specifications be inconsistent, contract pricing shall be based on the better quality and greater quantity of work indicated. In the event of the above-mentioned inconsistency, WEBB COUNTY shall determine the resolution of the inconsistency.
- 1.1.43.6. In the Drawings and Specifications, where certain products, manufacturer's trade names or catalog numbers are given, such information is given for the sole and express purpose of establishing a standard of function, dimension, appearance and quality of design in harmony with the Work and is not intended for the purpose of limiting competition. Materials or equipment shall not be substituted unless such a substitution has been specifically accepted for use on this Project by WEBB COUNTY and Design Consultant.
- 1.1.43.7. When the work is governed by reference to standards, building codes, manufacturer's instructions or other documents, unless otherwise specified, the edition currently in place as of the date of the submission of the bid shall apply.
- 1.1.43.8. Requirements of public authorities apply as minimum requirements only and do not supersede more stringent specified requirements.
- 1.1.43.9. Special Provisions, if any, shall be issued by WEBB COUNTY

directly to Contractor, shall become part of the Project Specifications and shall modify WEBB COUNTY's Standard Specifications.

- 1.1.44. **CONFLICT RESOLUTION BETWEEN DOCUMENTS.** Contractor and Consultant hereby agree and acknowledge if anything contained in Consultant's prepared Scope/Project Specifications or anything contained in any other document prepared by or on behalf of Consultant and included with the Project documents is in conflict with the Project solicitation documents and/or with these General Conditions for WEBB COUNTY Construction Contracts, the Project solicitation documents and these General Conditions for WEBB COUNTY Construction Contracts shall take precedence and control to resolve said conflict(s).
- 1.1.45. **INTERPRETATION.** In the interest of brevity, the Contract Documents frequently omit modifying words such as "all" and "any" and articles such as "the" and "an", but the fact a modifier or an article is absent from one statement and appears in another is not intended to affect the interpretation of either statement.

ARTICLE II. WEBB COUNTY

2.1. GENERAL

- 2.1.1. **WEBB COUNTY, Texas, a political subdivision of the State of Texas with its principal office located at 1000 Houston St., Laredo, Texas and identified as "WEBB COUNTY" or as "Owner" in the Contract and these General Conditions, is referred to throughout the Contract Documents as if singular in number. WEBB COUNTY shall designate in writing to Contractor a representative (hereafter referred to as "OWNER'S DESIGNATED REPRESENTATIVE" or "ODR") who shall have express authority to bind WEBB COUNTY, subject to OWNER's Commissioners Court approval of any change in the work that affects the Contract time or Contract Sum, with respect to all matters concerning this Contract requiring WEBB COUNTY's approval or authorization. Whenever the term "WEBB COUNTY" or "WEBB COUNTY" is found in this Contract or the Contract Documents, such term shall include WEBB COUNTY's agents, elected officials, employees, officers, directors, volunteers, representatives, successors and assigns.**
- 2.1.2. Contractor acknowledges no lien rights exist, with respect to public property.

2.2. INFORMATION AND SERVICES TO BE PROVIDED BY WEBB COUNTY

- 2.2.1. **WEBB COUNTY shall provide and maintain the Preliminary Budget and general schedule, if any, for the Project. The Preliminary Budget shall include the anticipated construction cost, contingencies for changes in the Work during construction and**

other costs that are the responsibility of WEBB COUNTY. The general schedule shall set forth WEBB COUNTY's plan for milestone dates and Substantial Completion and Final Completion of the Project.

- 2.2.2. WEBB COUNTY, if applicable, shall furnish surveys, if in existence and in WEBB COUNTY's possession, describing physical characteristics, legal limitations and utility locations. The furnishing of these surveys and reports shall not relieve Contractor of any of its duties under the Contract Documents or these General Conditions. Information or services required of WEBB COUNTY by the Contract Documents shall be furnished by WEBB COUNTY with reasonable promptness following actual receipt of a written request from Contractor. It is incumbent upon Contractor to identify, establish and maintain a current schedule of latest dates for submittal and approval by WEBB COUNTY, as required in **Section 3.10** herein, including when such information or services must be delivered. If WEBB COUNTY delivers the information or services to Contractor as scheduled and Contractor is not prepared to accept or act on such information or services, then Contractor shall reimburse WEBB COUNTY for all extra costs incurred by holding, storage, retention or performance, including redeliveries by WEBB COUNTY in order to comply with the current schedule.
- 2.2.3. Unless otherwise provided in the Contract Documents, Contractor shall be furnished, free of charge, up to three complete sets of the Plans and Specifications by Design Consultant. Additional complete sets of Plans and Specifications, if requested by Contractor, shall be furnished at reproduction cost to Contractor.
- 2.2.4. WEBB COUNTY's personnel may, but are not required to, be present at the construction site during progress of the Work, along with Design Consultant in the performance of its duties, to verify Contractor's record of the number of workers employed on the Work site, the workers' occupational classification, the time each worker is engaged in the Work and the equipment used by the workers in the performance of the Work, for purpose of verification of Contractor's Applications for Payment and payroll records.
- 2.2.5. WEBB COUNTY shall reimburse Contractor for the necessary Project-related approvals, fees and required permits with no markup paid to Contractor for these necessary Project-related approvals, fees and required permits costs, unless said costs are stipulated in the Contract Documents as a part of Contractor's cost of Work.
- 2.2.6. **WEBB COUNTY'S RIGHT TO STOP THE WORK.** If Contractor fails to correct Work deemed by WEBB COUNTY not in accordance with the requirements of the Contract Documents, as required by **Section 12.3** herein, fails to carry out Work in accordance with the Contract Documents or fails to submit its preliminary schedule(s), bond(s), insurance certificate(s) or any other required submittals, WEBB COUNTY may issue a written order to Contractor to stop the Work, or any portion thereof, until the cause for such order has been eliminated. The right of

WEBB COUNTY to stop the Work shall not give rise to any duty on the part of WEBB COUNTY to exercise this right for the benefit of the Contractor or any other person or entity. This right shall be in addition to and not in restriction of WEBB COUNTY's rights pursuant to **Section 12.3** herein. WEBB COUNTY's issuance of an order to Contractor to stop the Work shall not give rise to any claim by Contractor for additional time, cost or general conditions costs.

- 2.2.7. **WEBB COUNTY'S RIGHT TO CARRY OUT THE WORK.** If Contractor defaults, neglects or fails to carry out the Work in accordance with the Contract Documents and fails, within a three (3) work-day period after receipt of written notice from WEBB COUNTY, to commence and continue correction of such default, neglect or failure with diligence and promptness, WEBB COUNTY may, without prejudice to other remedies WEBB COUNTY may have, correct such deficiencies, neglect or failure. In such case, an appropriate Change Order may be issued deducting from payments then or thereafter due Contractor reflecting the reasonable cost of correcting such deficiencies, neglect or failure of Contractor, including all of WEBB COUNTY's incurred expenses and compensation for Design Consultant's additional services made necessary by such default, neglect or failure of Contractor. If payments then or thereafter due Contractor are not sufficient to cover such amounts for the Work performed, Contractor shall pay the difference to WEBB COUNTY.

ARTICLE III. CONTRACTOR

3.1. GENERAL

- 3.1.1. Contractor is the person or entity identified as such in the Contract and is referred to throughout the Contract Documents as if singular in number. The term "Contractor" means the Contractor or the Contractor's authorized representative.
- 3.1.2. Contractor shall perform the Work in a good and workmanlike manner, except to the extent the Contract Documents expressly specify a higher degree of finish or workmanship.
- 3.1.3. Contractor shall not be relieved of its obligations, responsibilities or duties to perform the Work in accordance with the Contract Documents, either by any activities or duties of Design Consultant in Design Consultant's administration of the Contract or by tests, inspections or approvals required or performed by WEBB COUNTY or any person other than the Contractor.

3.2. REVIEW OF CONTRACT DOCUMENTS AND FIELD CONDITIONS BY CONTRACTOR

- 3.2.1. Since the Contract Documents are complementary, before starting each portion of the Work, Contractor carefully shall:
1. study and compare the various Drawings and other Contract

Documents relative to that portion of the Work and the information furnished by WEBB COUNTY ;

2. take field measurements of any existing conditions related to that portion of the Work; and
3. observe any conditions at the Site affecting the Work.

Any error, inconsistencies or omissions discovered by Contractor shall be promptly reported to WEBB COUNTY via a Request for Information (“RFI”) in such form as WEBB COUNTY may require.

3.2.1.1. The exactness of existing grades, elevations, dimensions or locations given on any Drawings issued by Design Consultant, or the work installed by other contractors, is not guaranteed by WEBB COUNTY. Contractor shall, therefore, satisfy itself as to the accuracy of all grades, elevations, dimensions and locations.

3.2.1.2. In all cases of interconnection of its Work with existing conditions or with work performed by others, Contractor shall verify at the site all dimensions relating to such existing or other work. Any errors due to Contractor’s failure to so verify all such grades, elevations, dimensions or locations promptly shall be rectified by Contractor without any additional cost to WEBB COUNTY.

322. As between WEBB COUNTY and Contractor, and subject to the provisions of **Section 3.2.4** below, Contractor has no responsibility for the timely delivery, completeness, accuracy and/or sufficiency of the Specifications or Drawings (or any errors, omissions, or ambiguities therein), and is not responsible for any failure of the design of the facilities or structures as reflected thereon to be suitable, sound or safe. Contractor shall be deemed to have satisfied itself as to the design contained in and reflected by the Specifications and the Drawings. In particular, but without prejudice to the generality of the foregoing, Contractor shall review the Contract Documents to establish:

- 3.2.2.1. the information is sufficiently complete to perform the Work; and
- 3.2.2.2. there are no obvious or patent ambiguities, inaccuracies or inconsistencies within or between the documents forming the Contract; and
- 3.2.2.3. Contractor shall work with the aforementioned Contract Documents so as to perform the Work and of each and every part thereof to ensure the Work and each and every part thereof shall, jointly and severally, be in accordance with the requirements of

the Contract Documents and, in particular but without limiting the generality of the foregoing, the Work as a whole and, as appropriate, each and every part thereof, shall comply with the requirements of any performance Specifications.

323. Any design errors or omissions noted by Contractor during its review promptly shall be reported to WEBB COUNTY, but it is recognized the Contractor's review is made in Contractor's capacity as a contractor and not as a licensed design professional, unless otherwise specifically provided in the Contract Documents. Contractor is not required to ascertain if Contract Documents are in accordance with applicable laws, statutes, ordinances, building codes, and rules and regulations, but any nonconformity discovered by or made known to Contractor promptly shall be reported both to WEBB COUNTY and Design Consultant.
324. If Contractor believes additional cost or time is involved because of clarifications or instructions issued by Design Consultant, in response to the Contractor's Notices or Requests for Information ("RFI"), Contractor shall make Claims as provided in **Section 4.3.5** and **Section 4.3.6** herein. If Contractor fails to perform the obligations of **Section 3.2.1** and **Section 3.2.2** herein, Contractor shall pay such costs and damages to WEBB COUNTY, to include applicable Liquidated Damages, as would have been avoided if Contractor had performed such obligations. Contractor shall not be liable to WEBB COUNTY or Design Consultant for damages resulting from errors, inconsistencies or omissions in the Contract Documents or for differences between field measurements or conditions and the Contract Documents, unless Contractor recognized or should have recognized such error, inconsistency, omission or differences and knowingly failed to report it to WEBB COUNTY and Design Consultant, as required by this **Section 3.2.3**.

3.3. SUPERVISION AND CONSTRUCTION PROCEDURES

331. Contractor shall supervise, inspect and direct the Work competently and efficiently, exercising the skill and attention of a reasonably prudent Contractor, devoting such attention and applying such skills and expertise as may be necessary to perform the Work in accordance with the Contract Documents. Contractor solely shall be responsible for the means, methods, techniques, sequences, procedures and coordination of all portions of the Work under the Contract, unless the Contract Documents give other specific instructions concerning these matters. If the Contract Documents give specific instructions concerning construction means, methods and/or techniques, Contractor then shall evaluate the jobsite safety thereof and, except as stated herein below, shall be fully and solely responsible for the jobsite safety of such means, methods, techniques, sequences or procedures. If, upon its evaluation, Contractor determines such means, methods, techniques, sequences or procedures may not be safe, Contractor shall give timely written notice to WEBB COUNTY and

Design Consultant and Contractor shall not proceed with that portion of the Work without further written instructions from WEBB COUNTY. Sequencing and procedures shall be coordinated and agreed upon by WEBB COUNTY, Design Consultant and Contractor.

332. Contractor shall be responsible to WEBB COUNTY for the acts and omissions of Contractor's agents and employees, Subcontractors and their agents and employees and other persons or entities performing portions of the Work for or on behalf of Contractor or any of its Subcontractors.
333. Contractor shall be responsible for inspection of portions of Work already performed, to determine which such portion are in proper condition to receive subsequent Work.
334. Contractor shall bear responsibility for design and execution of acceptable trenching and shoring procedures, in accordance with Texas Government Code, Section 2166.303 and Texas Health and Safety Code, Subchapter C, Sections 756.021, et seq.
335. It is understood and agreed the relationship of Contractor to WEBB COUNTY shall be of an independent contractor. Nothing contained or inferable in the Contract documents shall be read, deemed or construed to make Contractor the agent, servant or employee of WEBB COUNTY or create any partnership, joint venture or other association between WEBB COUNTY and Contractor. Any direction or instruction by WEBB COUNTY, in respect of the Work, shall relate to the results WEBB COUNTY desires to obtain from the Work and shall in no way affect Contractor's independent contractor status, as described herein.
336. Contractor shall review Subcontractor(s) written safety programs, procedures and precautions in connection with performance of the Work. However, Contractor's duties shall not relieve any Subcontractor(s) or any other person or entity (e.g. a supplier), including any person or entity with whom Contractor does not have a contractual relationship, of their responsibility or liability relative to compliance with all applicable federal, state and local laws, rules, regulations and ordinances, which shall include the obligation to provide for the safety of their employees, persons, and property and their requirements to maintain a work environment free of recognized hazards. The foregoing notwithstanding, the requirements of this **Section 3.3.6** are not intended to impose upon Contractor any additional obligations Contractor would not have under any applicable state or federal laws including, but not limited to, any rules, regulations or statutes pertaining to the Occupational Safety and Health Administration.

3.4. LABOR AND MATERIALS

341. Unless otherwise provided in the Contract Documents, Contractor shall provide and pay for all labor, materials, equipment, tools, construction equipment and

machinery, water, heat, utilities, transportation and other facilities and services necessary for proper execution and completion of the Work, whether temporary or permanent and whether or not incorporated or to be incorporated in the Work.

342. PREVAILING WAGE RATE AND LABOR STANDARD PROVISIONS. The Provisions of Chapter 2258 of the Texas Government Code expressly are made a part of this Contract. In accordance therewith, a schedule of the general prevailing rate of per diem wages in this locality for each craft or type of worker needed to perform this Contract shall be obtained by Contractor from WEBB COUNTY and included in Contractor's Project bid package, prior to Contractor bidding of the Project and such schedule shall become a part hereof. Contractor shall forfeit, as a penalty to WEBB COUNTY, sixty dollars (\$60.00) for each laborer, worker or mechanic employed for each calendar day, or portion thereof, in which such laborer, worker or mechanic is paid less than the stipulated prevailing wage rates for any work done under this Contract by the Contractor or any Subcontractor employed on the project. The establishment of prevailing wage rates, pursuant to Chapter 2258 of the Texas Government Code, shall not be construed to relieve Contractor from its obligation under any federal or state law, regarding the wages to be paid to or hours worked by laborers, workers or mechanics, insofar as applicable to the work to be performed hereunder. Contractor, in the execution of this Project, agrees it shall not discriminate in its employment practices against any person because of race, color, creed, sex, or origin. Contractor agrees it shall not engage in employment practices which have the effect of discriminating against employees or prospective employees because of race, color, creed, national origin, sex, age, handicap or political belief or affiliation. This Contract provision shall be included in its entirety in all Subcontractor agreements entered into by the Contractor or any Subcontractor employed on the project.

343. SUBSTITUTIONS

- 3.4.3.1. Contractor's proposed substitutions and alternates may be rejected by WEBB COUNTY without explanation and shall be considered by WEBB COUNTY only under one or more of the following conditions:
- (a) the proposal is required for compliance with interpretation of code requirements or insurance regulations then existing;
 - (b) specified products are unavailable through no fault of Contractor; and
 - (c) when, in the judgment of WEBB COUNTY or Design Consultant, a substitution substantially would be in WEBB COUNTY's best interests in terms of cost, time or other

considerations.

3.4.3.2. Contractor shall submit to WEBB COUNTY and Design Consultant:

- (a) a full explanation of the proposed substitution and submittal of all supporting data, including technical information, catalog cuts, warranties, test results, installation instructions, operating procedures and other like information necessary for a complete evaluation of the substitution;
- (b) a written explanation of the reasons the substitution is necessary, including the benefits to WEBB COUNTY and to the Work, in the event the substitution is acceptable to WEBB COUNTY;
- (c) the adjustment, if any, in the Contract Sum;
- (d) the adjustment, if any, in the time of completion of the Contract and the construction schedule; and
- (e) in the event of a substitution under Section 3.4.3.1 herein, an affidavit stating:
 - (1) Contractor's proposed substitution conforms to and meets all the requirements of the pertinent Specifications and requirements shown on the Drawings; and
 - (2) Contractor accepts the warranty and correction obligations in connection with the proposed substitution as if originally specified by Design Consultant.

Proposals for substitutions shall be submitted to Design Consultant in sufficient time to allow Design Consultant no less than fourteen (14) calendar days for review. No substitutions shall be considered or allowed without Contractor's submittal of complete substantiating data and information as stated hereinbefore.

3.4.3.3. In the event of a substitution submittal under this **Section 3.4.3**, and whether or not any such proposed substitution is accepted by WEBB COUNTY or Design Consultant, Contractor shall reimburse WEBB COUNTY, at WEBB COUNTY's reasonable

discretion, for any fees incurred and charged by Design Consultant or other Consultants for evaluating each proposed substitute.

3.4.3.4. Except as otherwise stipulated in the Contract Documents or required for safety or protection of persons or the Work or property at the Site or adjacent thereto, no Work shall be allowed by WEBB COUNTY between the hours of 10:00 p.m. and 6:00 a.m. of the following calendar day, unless directed by the ODR or requested in writing by Contractor and approved by WEBB COUNTY.

344. Contractor shall, at all times, enforce strict discipline and good order among persons working on the Project and shall not employ or continue to employ any unfit person on the Project or any person not skilled in the assigned work. Contractor shall be liable for and responsible to WEBB COUNTY for all acts and omissions of its employees, all tiers of its Subcontractors, material suppliers, anyone who Contractor may allow to perform any Work on the Project and their respective officers, agents, employees, and Consultants who Contractor may allow to come on the job site, with the exception of WEBB COUNTY or WEBB COUNTY's Designee. WEBB COUNTY, at any time, for any reason or for no reason, may direct Contractor to remove any employee, Subcontractor, material supplier or anyone else from the Project and Contractor promptly shall comply with WEBB COUNTY's direction. In addition, if Contractor receives written notice from WEBB COUNTY complaining about any Subcontractor, employee or anyone who is a hindrance to the proper or timely execution of the Work, Contractor shall remedy such complaint without delay to the Project and at no additional cost to WEBB COUNTY. This provision shall be included in all contracts between Contractor and all Subcontractors of all tiers.

345. Contractor recognizes, accepts and hereby acknowledges the Project Site is a public facility representing WEBB COUNTY. As such, Contractor shall prohibit the possession or use of alcohol, controlled substances, and any prohibited weapons on the Project Site and shall require appropriate dress of Contractor's forces consistent with the nature of the Work being performed, including the wearing of shirts at all times. Harassment of any kind, including sexual harassment, of employees of Contractor or any Subcontractor, employees or Consultants of WEBB COUNTY or of any visitor to the Project site, by Contractor, employee(s) of Contractor, a Subcontractor or an employee of Subcontractor is strictly forbidden. Any person, Contractor, employee of Contractor, Subcontractor or employee of Subcontractor who is found to have engaged in such conduct shall be subject to appropriate disciplinary action by Contractor and/or WEBB COUNTY, including the removal and exclusion of the violating person(s) or employee(s) of Contractor or Subcontractor from the Project Site and, if WEBB COUNTY so elects, termination from the Project.

346. Contractor only shall employ or use labor in connection with the Work capable of working harmoniously with all trades, crafts and any other individuals associated with the Project.
347. All materials and installed equipment shall be as specified in the Contract Documents and, if not so specified, shall be new and of good quality, except as otherwise provided in the Contract Documents. If required by WEBB COUNTY or Design Consultant, Contractor shall furnish satisfactory evidence (including reports of required tests) as to the source, kind and quality of materials and equipment installed. Contractor may make substitutions only with the consent of WEBB COUNTY, after Contractor's compliance with **Section 3.4.3** herein.
348. All materials shall be shipped, stored and handled in a manner which shall protect and ensure their condition at the time of incorporation in the Work. After installation, all materials shall be properly protected against damage to ensure they are in the condition as required by **Section 3.5.1** herein when the Work is Substantially Completed or WEBB COUNTY takes over use and occupancy, whichever is earlier.
349. Contractor shall procure and furnish to WEBB COUNTY all guarantees, warranties, spares and maintenance manuals called for by the Specifications or which normally are provided by a manufacturer. The maintenance manual shall include a catalog for any equipment, materials, supplies or parts used in the inspection, calibration, maintenance or repair of the equipment and items in the catalog shall be readily available for purchase.
3410. During construction of the Work and for four (4) years after final completion or longer if, during the duration of this Contract or during the four (4) years after the final completion of the Work, a dispute between any parties to this Project exists, Contractor shall retain and shall require all Subcontractors to retain for inspection and audit by WEBB COUNTY all books, accounts, reports, files, time cards, material invoices, payrolls and evidence of all other direct or indirect costs related to the bidding and performance of this Work. Upon request by WEBB COUNTY, a legible copy or the original of any or all such records shall be produced by Contractor at the administrative office of WEBB COUNTY. To the extent it requests copies of such documents, WEBB COUNTY shall reimburse Contractor and its Subcontractors for copying costs. Contractor shall not be required to keep records of or provide access to the makeup of any negotiated and agreed-to lump sums, unit prices or fixed overhead and profit multipliers.

3.5. WARRANTY

351. Contractor warrants materials and equipment furnished and installed under the

Contract shall be new and of good quality, unless otherwise required or permitted by the Contract Documents, the Work shall be free from defects not inherent in the quality required or permitted and the Work shall conform to the requirements of the Contract Documents. Work not conforming to this warranty and these requirements, including substitutions not properly approved and authorized by WEBB COUNTY, may be considered defective. Contractor's warranty excludes remedy for damage or defect caused by abuse, modifications not executed by the Contractor, improper or insufficient maintenance, improper operation, normal wear and tear and normal usage, and additional damage or defects caused by WEBB COUNTY's failure to promptly notify Contractor. If required by WEBB COUNTY, Contractor shall furnish satisfactory evidence as to the kind and quality of materials and equipment.

352. A right of action by WEBB COUNTY for any breach of Contractor's express warranty herein shall be in addition to, and not in lieu of, any other remedies WEBB COUNTY may have under this Contract at law or in equity, regarding any defective Work.
353. The warranty provided in **Section 3.5.1** herein shall be in addition to and not in limitation of any other warranty or remedy required by law or by the Contract Documents. Such warranty shall be interpreted to require Contractor, upon written timely demand by WEBB COUNTY, to replace defective materials and equipment and re-execute any defective Work disclosed to the Contractor by WEBB COUNTY within a period of one (1) year after Substantial Completion of the applicable Work or, in the event of a latent defect, within one (1) year after discovery thereof by WEBB COUNTY.
354. All warranties shall be assignable by WEBB COUNTY. Submittal of all warranties and guarantees are required as a prerequisite to the final payment.
355. Except when a longer warranty time is specifically called for in the Specifications or is otherwise provided by law or by manufacturer, all warranties shall be at minimum for twelve (12) months and shall be in form and content otherwise reasonably satisfactory to WEBB COUNTY. WEBB COUNTY and Contractor acknowledge the Project may involve construction work on more than one (1) building or section of infrastructure of WEBB COUNTY's. While the overall Project shall have a single date for Substantial Completion of the Work and Final Completion of the Work, each building, section of infrastructure or approved phase of each section of infrastructure may have its own separate and independent date of Substantial Completion or Final Completion.
356. If separate dates for Substantial Completion and Final Completion are established and granted by WEBB COUNTY, at WEBB COUNTY's sole discretion and as a result of WEBB COUNTY electing partially to occupy areas prior to the Project's overall date for Substantial Completion, Contractor shall

maintain a complete and accurate schedule of the dates of Substantial Completion and, if WEBB COUNTY accepts partial occupancy of those completed areas, the dates upon which the one (1) year warranty on each building, phase or section of infrastructure granted Substantial Completion shall expire. If separate dates are granted, Contractor agrees to provide notice of the warranty expiration date(s) to WEBB COUNTY and Design Consultant at least one (1) month prior to the expiration of the one (1) year warranty period on each building, section of infrastructure or each phase of the section of infrastructure which has achieved Substantial Completion.

- 3.5.7. Prior to termination of any one (1) year warranty period, Contractor shall accompany WEBB COUNTY and Design Consultant on re-inspection of the building, section of infrastructure or phase of the section of infrastructure and be responsible for correcting any reasonable additional deficiencies not caused by WEBB COUNTY or by the use of the building, section of infrastructure or phase of the section of infrastructure observed and/or reported during the re-inspection.
- 3.5.8. For extended warranties required by the Contract Documents, WEBB COUNTY shall notify Contractor of deficiencies and Contractor shall start remedying these defects within seven (7) calendar days of initial notification from WEBB COUNTY. Contractor shall prosecute the work without interruption until accepted by WEBB COUNTY and Design Consultant, even though such prosecution may extend beyond the limit of the warranty period. If Contractor fails to provide notice of the expiration of the one (1) year warranty period at least one (1) month prior to the expiration date and conduct the required walk through with WEBB COUNTY, Contractor's warranty obligations described in this **Section 3.5.5** shall continue until such inspection is conducted and any deficiencies found in the inspection is corrected.
- 3.5.9. Warranties shall become effective on a date established by WEBB COUNTY in accordance with the Contract Documents. This date shall be the date of Substantial Completion of the entire Work, unless otherwise provided in any Certificate of Partial Substantial Completion approved by the Parties, except for Work to be completed or corrected after the date of Substantial Completion and prior to final payment and those occurrences addressed in **Section 3.5.3** herein. Warranties for Work to be completed or corrected after the date of Substantial Completion and prior to Final Completion shall become effective on the later of the date the Work is completed or corrected and accepted by WEBB COUNTY and Design Consultant or the date of final completion of the Work.
- 3.5.10. Neither final payment nor compliance by Contractor with any provision in the Contract Documents shall constitute an acceptance of Work not done in accordance with the Contract Documents or relieve Contractor or its sureties of liability, with respect to any warranties or responsibility for faulty materials and

workmanship. Contractor warrants all Work shall conform to the requirements of the Contract Documents.

35.11. Contractor agrees to assign to WEBB COUNTY, at the time of Final Completion of the Work, any and all manufacturer's warranties relating to materials and labor used in the Work and further agrees to perform the Work in such manner so as to preserve any and all such manufacturer's warranties, provided such assignment shall contain a reservation of Contractor's right also to enforce the manufacturer's warranties. As a condition precedent to final payment, Contractor shall prepare a notebook with reference tabs and submit three (3) copies of the notebook to WEBB COUNTY which shall include a complete set of warranties from Subcontractors, manufacturers or suppliers, as appropriate, and executed by and between Contractor and WEBB COUNTY, as required under this Contract, with a specified warranty commencement date, as required by the Contract Documents. Copies of the complete set of warranties from Subcontractors, manufacturers and/or suppliers, as appropriate, executed by Contractor as required by the Contract Documents, with and between WEBB COUNTY and Contractor. A specified warranty commencement date, as required by the Contract Documents, also shall be submitted to WEBB COUNTY in an electronic format (PDF) on a Compact Disc (CD).

35.12. When Contractor is constructing a building, the building shall be watertight and leak proof at every point and in every area, except where leaks can be attributed to damage to the building by external forces beyond Contractor's control. Contractor, immediately upon notification by WEBB COUNTY of water penetration, shall determine the source of water penetration and perform any work necessary to make the building watertight. Contractor also shall repair or replace any damaged material, finishes and/or fixtures damaged as a result of any water penetration, returning the building to original condition. The costs of such determination and repair shall be borne by Contractor only to the extent the leak(s) is/are attributable to faulty workmanship or unauthorized or defective materials.

3.6. TAXES

Contractor shall not include in the Contract Sum or any modification thereto any amount for sales, use or similar taxes for which WEBB COUNTY is exempt. Upon request by Contractor, WEBB COUNTY shall provide Contractor with a tax exemption certificate or other documentation necessary to establish WEBB COUNTY's exemption from such taxes.

3.7. PERMITS, FEES AND NOTICES

3.7.1. PERMITS. Unless otherwise provided in the Contract Documents or by WEBB COUNTY, as per **Section 2.2.5** herein, it is the responsibility of and Contractor shall secure all permits, licenses and inspections. WEBB COUNTY and Design

Consultant may assist Contractor, when necessary, in obtaining such permits, licenses and inspections necessary for the proper execution and completion of the work. For federally funded construction projects, when applicable, WEBB COUNTY shall prepare and submit the necessary paperwork to satisfy Texas Pollutant Discharge Elimination System (hereafter referred to as "TPDES"), regulations of the Texas Commission on Environmental Quality.

- 3.72. Contractor shall comply with and give all notices required by law, ordinance, rule, regulations and lawful orders of public authorities applicable to performance of the Work.
- 3.73. It is not Contractor's responsibility to ascertain the Contract Documents are in accordance with applicable laws, statutes, ordinances, building codes and rules and regulations. However, if Contractor observes portions of the Contract Documents are at variance therewith, Contractor promptly shall notify WEBB COUNTY and Design Consultant in writing of any variances and all necessary changes shall be accomplished by appropriate modification(s) before Contractor performs any Work affected by such modification(s).
- 3.74. If Contractor performs Work knowing Work is contrary to laws, statutes, ordinances, building codes and rules and regulations, without such notice to and approval from WEBB COUNTY and Design Consultant, Contractor shall assume sole responsibility for performing such Work and shall bear all costs attributable to correct such Work.
- 3.75. Contractor also shall assist WEBB COUNTY in obtaining all permits and approvals and, at WEBB COUNTY's request, pay all fees and expenses, if any, associated with TPDES regulations of the Texas Commission on Environmental Quality, as well as local authorities, if applicable, which require completion of documentation and/or acquisition of a "Land Disturbing Activities Permit" for a Project. Contractor's obligations under this paragraph do not require it to perform engineering services during the pre-construction phase to prepare proper drainage for the Project Site. However, any drainage alterations made by Contractor during the construction process, which require the issuance of a permit, shall be at Contractor's sole cost. It shall be Contractor's responsibility to prepare and submit the permit approval documentation provided by the regulatory agencies prior to beginning any Work.

3.8. ALLOWANCES

- 3.8.1. Contractor shall include in the Contract Sum all allowances stated in the Contract Documents. Items covered by allowances shall be supplied for such amounts and by such persons or entities as WEBB COUNTY may direct, but Contractor shall not be required to employ persons or entities to whom Contractor has reasonable objection.

- 3.8.2. Unless otherwise provided in the Contract Documents:
- 3.8.2.1. Allowances shall cover the cost to Contractor of materials and equipment delivered at the site and all required taxes, less applicable trade discounts;
 - 3.8.2.2. Contractor's costs for unloading and handling at the site, labor, installation costs, overhead, profit and other expenses, contemplated for stated allowance, shall be included in the allowances;
 - 3.8.2.3. Whenever actual costs are more than or less than allowances, the Contract Sum shall be adjusted accordingly by Change Order. The amount of the Change Order shall reflect both the difference between actual costs and the allowances under **Section 3.8.2.1** herein and all changes in Contractor's costs under **Section 3.8.2.2** herein.
- 3.8.3. Materials and equipment under an allowance shall be selected by WEBB COUNTY within such time as is reasonably specified by Contractor as necessary to avoid any delay in the Work.

3.9. SUPERINTENDENT/KEY PERSONNEL

- 3.9.1. At all times during the progress of the Work, Contractor shall assign a competent resident superintendent who is able to communicate fluently in English, along with any necessary assistant(s) who is/are satisfactory to WEBB COUNTY. Any superintendent designee shall be identified in writing to WEBB COUNTY promptly after WEBB COUNTY issues written Notice to Proceed. The superintendent shall represent Contractor at all time and all directions given to the superintendent shall be binding on Contractor. The designated superintendent shall not be replaced without written notice to and the approval of WEBB COUNTY, which approval shall not be unreasonably withheld, except with good reason (including any termination or disability of the superintendent) or under extraordinary circumstances. The superintendent may not be employed on any other project prior to Final Completion of the Work without the approval of WEBB COUNTY, which approval shall not be unreasonably withheld.
- 3.9.2. Contractor shall furnish a list to Design Consultant and WEBB COUNTY of all Architects, Engineers, Consultants, Sub-Consultants, job-site superintendents, Subcontractors and suppliers involved in the Project construction. Design Consultant also shall provide said information to WEBB COUNTY.
- 3.9.2.1. WEBB COUNTY, upon the showing of good and reasonable

cause, may reject or require removal of any Architect, Engineer, Consultant, Sub-Consultant, job superintendent, employee of the Contractor, Subcontractor or sub- Subcontractor and/or supplier involved in the Project.

3.9.2.2. Contractor shall provide an adequate staff for the proper coordination and expedition of the Work. WEBB COUNTY reserves the right to require Contractor to remove from the Project any employee(s) WEBB COUNTY, at its sole discretion, deems incompetent, careless, insubordinate, unnecessary or in violation of any provision in these Contract Documents. This provision is applicable to Subcontractors, sub-Subcontractors and their employees.

3.9.2.3. WEBB COUNTY reserves the right to utilize one or more of its employees or Consultants to function in the capacity of WEBB COUNTY's Inspector, whose primary function shall be daily inspections, checking pay requests or construction timelines and the verification of the storage of supplies and materials.

3.9.2.4. Contractor shall not change any key personnel or key Subcontractors without the prior written consent of WEBB COUNTY, which consent shall not be unreasonably withheld. In the event key personnel leaves Contractor's employment, such key personnel's replacement shall be subject to WEBB COUNTY's reasonable approval.

3.10. CONTRACTOR'S PROJECT SCHEDULES

3.10.1. PROJECT SCHEDULE METHOD. Contractor shall create and maintain a Critical Path Method (hereafter referred to as "CPM") Project Schedule, showing the manner of execution of Work which Contractor intends to follow, in order to complete the Project within the allotted time. The Project Schedule shall employ CPM for the planning, scheduling and reporting of Work, as described in this **Section 3.10**. Contractor shall create and maintain the Project Schedule. The observance of the requirements herein is an essential part of the Work to be performed under the Contract.

3.10.2. SCHEDULING PERSONNEL. Unless otherwise indicated in writing by WEBB COUNTY, Contractor shall provide an individual, who shall be referred to hereafter as "Scheduler", to create and maintain the Project Schedule. Scheduler shall be proficient in CPM analysis, possess sufficient experience to be able to perform required tasks and able to prepare and interpret reports. Scheduler shall be made available for discussion or meetings when requested by WEBB COUNTY.

3.103. PROJECT SCHEDULE SUBMISSION

- 3.10.3.1. Unless indicated otherwise, Contractor shall submit Project Schedule(s) for the Work in relation to the entire Project to WEBB COUNTY and Design Consultant at least three (3) calendar days prior to the pre-construction conference.
- 3.10.3.2. All Project Schedule submittals shall be in the electronic form to include PDF plots of the schedule, a PDF plot defining the Critical Path and two week look-ahead, and include the native compatible scheduling file format. Contractor shall submit the schedule to WEBB COUNTY and Design Consultant via electronic mail, CD-Rom or any other electronic format acceptable to WEBB COUNTY.
- 3.10.3.3. This initial schedule shall indicate the dates for starting and completing the various aspects/phases required to complete the Work, including mobilization, procurement, installation, testing, inspection and acceptance of all the Work of the Contract, including any contractually mandated milestone dates. The Project Schedule shall not exceed the time limits set forth in the Contract Documents. Contractor shall organize the Project Schedule and provide adequate detail so the Schedule is capable of measuring and forecasting the effect of delaying events on completed and uncompleted activities.
- 3.10.3.4. The Project Schedule shall show the order in which Contractor proposes to carry out the Work in accordance with the final approved phasing plan, if any, and the anticipated start and completion dates of each phase of the Work. The Project Schedule shall be in the form of a time scaled work progress chart, to indicate the percentage of Work scheduled for completion at various critical milestones.
- 3.10.3.5. Contractor shall maintain a schedule of Shop Drawings and Sample Submittals and each submitted Shop Drawing and Sample Submittal shall list each required submittal and the expected time(s) for submitting, reviewing and processing such submittal.
- 3.10.3.6. WEBB COUNTY shall review the Project Schedule within fifteen (15) calendar days for compliance with the Specifications and notify Contractor of its acceptability.

3.104. PROJECT SCHEDULE SEQUENCING. The Project Schedule shall show the sequence and interdependence of activities required for complete performance of the Work. Contractor shall be responsible for assuring all Work sequences

are logical and show a coordinated plan of Work in accordance with the sequence of work outlined in the Plans. The purpose of WEBB COUNTY requiring the Project Schedule shall be to:

- 3.10.4.1. Ensure adequate planning during the execution and progress of the Work in accordance with the allowable number of calendar days and all milestones;
- 3.10.4.2. Assure coordination of the efforts of Contractor, WEBB COUNTY, utilities and others that may be involved in the Project and those activities are included in the Schedule highlighting coordination points with others;
- 3.10.4.3. Assist Contractor and WEBB COUNTY in monitoring the progress of the Work and evaluating proposed changes to the Contract; and
- 3.10.4.4. Assist WEBB COUNTY in administering the Contract time requirements.

3.10.5. **PROJECT SCHEDULE ACTIVITIES.** Contractor shall provide WEBB COUNTY a legend for all abbreviations used. The activities shall be coded so organized plots of the Project Schedule may be produced. Typical activity coding includes traffic control phase, location and work type. Contractor shall show an estimated production rate per working day for each Work activity. Activity durations shall be based on production rates shown. Each activity on the Project Schedule shall include:

- 3.10.5.1. An activity number utilizing an alphanumeric designation system agreeable to WEBB COUNTY;
- 3.10.5.2. A concise description of the Work represented by the activity; and
- 3.10.5.3. Activity durations in whole work days, with a maximum of twenty (20) work days. Durations greater than twenty (20) work days may be used for non-construction activities (mobilization, submittal preparation, curing, etc.), and other activities mutually agreeable between WEBB COUNTY and Contractor.

3.10.6. **PROJECT SCHEDULE WORK DURATION AND RESOURCES**

- 3.10.6.1. The Project Schedule layout shall be grouped by Project and then by Work Breakdown Structure (hereafter referred to as "WBS") for organizational purposes.
- 3.10.6.2. The original and remaining Work duration shall be displayed.

The grouping band shall, by default, report Work days planned. One additional level of effort activity shall be added to the schedule as a "time calculator" with a seven (7) day calendar without holidays reflected. The calculation of days should be reflected in the appropriate duration columns.

- 3.10.6.3. Pursuant to the definitions in **Section 1.1.12** herein, if Contractor's Project does not affect WEBB COUNTY traffic, a determination made solely by WEBB COUNTY on a project-by-project basis, Work shall be scheduled based upon Contractor's five (5) day work week, utilizing the appropriate calendar assignments and using compatible Project Scheduling software. If Contractor's Project affects WEBB COUNTY traffic, a determination made solely by WEBB COUNTY on a project-by-project basis, Work shall be scheduled upon Contractor's six (6) day work week, utilizing the appropriate calendar assignments and using compatible Project Scheduling software.
- 3.10.6.4. Assign working calendars for the days Contractor plans to work. Contractor shall designate all twelve (12) WEBB COUNTY holidays as non-working days (holidays). For dates beyond the then-current calendar year, Contractor shall assume WEBB COUNTY holidays are the same as the current calendar year.
- 3.10.6.5. Seasonal weather conditions shall be considered and included in the Project Schedule for all work influenced by temperature and/or precipitation. Seasonal weather conditions shall be determined by an assessment of average historical climatic conditions. Average historical weather data is available through the National Oceanic and Atmospheric Administration (hereafter referred to as "NOAA"). These effects shall be simulated through the use of work calendars for each major work type (i.e., earthwork, concrete paving, structures, asphalt, drainage, etc.). Project and work calendars should be updated each month to show days actually able to work on the various work activities.
- 3.10.6.6. Only WEBB COUNTY responsible delays in activities affecting milestone dates or the Contract completion date, as determined by CPM analysis, shall be considered for a time extension.

3.10.7. **PROJECT SCHEDULE - OTHER REQUIREMENTS.** The Project Schedule shall:

- 3.10.7.1. have all Work coded and organized by Work Breakdown Structure ("WBS"). An example of an acceptable WBS shall be provided, upon written request, by WEBB COUNTY to

Contractor;

- 3.10.7.2. reflect Duration Percent complete as the percent complete type;
- 3.10.7.3. reflect Fixed Units as the duration type;
- 3.10.7.4. include submittals with a logical tie to what each drives;
- 3.10.7.5. add proposed Change Order(s) and those Change Order(s) shall be reflected on the Schedule as proposed Change Order(s). This task shall be linked to the schedule with logical ties and approved by WEBB COUNTY. Upon approval of a Change Order, a task shall be renamed and shall identify Work performed and Change Order number and resources shall be added to the task;
- 3.10.7.6. only have constraints in accordance with the Plans;
- 3.10.7.7. include activity milestones for material delivery;
- 3.10.7.8. allow default progress; and
- 3.10.7.9. include a detailed explanation in the Project narrative, if Work is performed out of sequence.

3.108. PROJECT SCHEDULE JOINT REVIEW AND ACCEPTANCE

- 3.108.1. The Project Schedule and successive updates or revisions thereof are for Contractor's use in managing the Work. The Project Schedule is for the information of WEBB COUNTY and to demonstrate Contractor has complied with requirements for planning the Work. WEBB COUNTY's acceptance of a Schedule, Schedule update(s) or revisions constitutes WEBB COUNTY's agreement to coordinate its own activities with Contractor's activities, as shown on the schedule.
- 3.108.2. Within fifteen (15) calendar days of receipt of Contractor's proposed Project Schedule, WEBB COUNTY shall evaluate the Schedule for compliance with this specification and notify Contractor of its findings. If WEBB COUNTY requests a revision or justification, Contractor shall provide satisfaction to WEBB COUNTY within seven (7) calendar days. If Contractor submits a Project Schedule for acceptance, based on a sequence of work not shown in the Plans, Contractor shall notify WEBB COUNTY in writing of said sequence of work, separate from the Schedule submittal.
- 3.108.3. WEBB COUNTY's review and acceptance of Contractor's

Project Schedule only is for conformance to the requirements of the Contract Documents. Review and acceptance by WEBB COUNTY of Contractor's Project Schedule does not relieve Contractor of any of its responsibility for the Project Schedule, Contractor's ability to meet interim milestone dates (if so specified) or meeting the Contract completion date, nor does such review and acceptance expressly or by implication warrant, acknowledge or admit the reasonableness of the logic, durations, manpower or equipment loading of Contractor's Project Schedule. In the event Contractor fails to define any element of Work, activity or logic and WEBB COUNTY's review does not detect this omission or error, such omission or error, whether or when discovered by Contractor or WEBB COUNTY, shall be corrected by Contractor at the next monthly schedule update and shall not affect the Project or Contract completion date.

- 3.1084. Acceptance of the Project Schedule, or update and/or revision thereto, does not indicate any approval of Contractor's proposed sequences and duration.
- 3.1085. Acceptance by WEBB COUNTY of the Project Schedule or updated Project Schedule which exceeds contractual time does not alleviate Contractor from meeting the contractual completion date.
- 3.1086. Acceptance of a Project Schedule update or revision indicating early or late completion does not constitute WEBB COUNTY's consent to any changes, alter the terms of the Contract, waive either Contractor's responsibility for timely completion, or waive WEBB COUNTY's right to damages for Contractor's failure to do so.
- 3.1087. Contractor's scheduled dates for completion of any activity or of the entire Work do not constitute a change in terms of the Contract. Change Orders are the only method of modifying the completion date(s) and Contract time.
- 3.1088. Submittal of a schedule, schedule revision, or schedule update constitutes Contractor's representation to WEBB COUNTY, as of the date of the submittal, of the accurate depiction of all progress to date and Contractor shall follow the schedule as submitted in performing the Work.

3.109. PROJECT SCHEDULE UPDATES AND REVISIONS

- 3.1089. The Project Schedule shall be updated monthly, at a minimum,

to reflect progress to date and current plans for completing the Work. A paper and an electronic copy of the update shall be submitted to WEBB COUNTY and Design Consultant as directed. WEBB COUNTY has no duty to make progress payments to Contractor unless Contractor's payment application is accompanied by the updated Project Schedule. The anticipated date of Substantial Completion shall show all extensions of time granted through Change Order(s) as of the date of the update.

- 3.10&10. The Project Schedule update shall be submitted no later than the date the pay application is submitted.
- 3.10&11. Contractor shall meet with WEBB COUNTY each month, at a scheduled Project Schedule update meeting, to review actual progress made through the data date of the schedule update, as determined by WEBB COUNTY. The review of progress shall include dates of activities actually started and/or completed, the percentage of Work completed, the remaining duration of each activity started and/or completed and the amount of Work still to complete, with an analysis of the relationship between the remaining duration of the activity and the quantity of material to install over that given period of time with a citation of past productivity.
- 3.10&12. The monthly Schedule Update shall include a progress narrative, explaining the Project's progress, identifying all progress made out of sequence, defining the Critical Path, identification of any potential delays, and other relevant data. A Project Schedule Narrative template shall be required for the narrative. Upon request, WEBB COUNTY shall supply said template to Contractor.
- 3.10&13. Each Schedule shall segregate the Work into a sufficient number of activities to facilitate the efficient use of critical path method scheduling by Contractor, WEBB COUNTY and Design Consultant. The Project Schedule layout shall be grouped first by Project then by WBS. The layout shall include the following columns:
- (1) Activity ID
 - (2) Activity Description
 - (3) Original Durations
 - (4) Remaining Durations
 - (5) Early Start and Early Finish Dates

- (6) Late Start and Late Finish Dates
- (7) Total Float
- (8) Performance Percent Complete
- (9) Display logic and target bars in the Gantt bar chart view

3.108.14. Each schedule shall include activities representing manufacturing, fabrication or ordering lead time for materials, equipment or other items for which Design Consultant is required to review submittals, shop drawings, product data or samples.

3.108.15. Each schedule, other than the initial schedule, shall:

- (1) indicate the activities, or portions thereof, which have been completed;
- (2) reflect the actual time for completion of such activities; and
- (3) reflect any changes to the sequence or planned duration of all activities.

3.108.16. If any updated schedule exceeds the time limits set forth in the Contract Documents for Substantial Completion of the Work, Contractor shall include, along with its updated schedule, a statement of the reasons for the anticipated delay in achieving Substantial Completion of the Work and Contractor's planned course of action for completing the Work within the time limits set forth in the Contract Documents. If Contractor asserts the failure of WEBB COUNTY or Design Consultant to provide requested and required information to Contractor as the reason for anticipated delay in completion, Contractor also shall specify what information has been requested and is required from WEBB COUNTY or Design Consultant.

3.108.17. Neither WEBB COUNTY nor Contractor shall have exclusive ownership of float time in the schedule and all float time shall inure to the benefit of the Project.

3.108.18. Submission of any schedule under this Contract constitutes a representation by Contractor, as of the date of the submittal:

- (1) the schedule represents the sequence in which Contractor intends to prosecute the remaining Work;
- (2) the schedule represents the actual sequence and duration used to prosecute the completed Work;
- (3) to the best of its knowledge and belief, Contractor is able to complete the remaining Work in the sequence and time

indicated; and

- (4) Contractor intends to complete the remaining work in the sequence and time indicated.

3.108.19. If Contractor desires to make major changes in the Project Schedule, Contractor shall notify WEBB COUNTY in writing and submit the proposed schedule revision. The written notification shall include the reason for the proposed revision, what the revision is composed of and how the revision was incorporated into the schedule. Major changes are hereby defined as those affecting compliance with the contract requirements and/or those that change the Project's critical path. All other changes may be accomplished through the monthly updating process without written notification.

3.10.9. COMPLETION OF WORK

3.109.1. Contractor is accountable for substantially completing the Work in the Contract Time or as otherwise amended by Change Order.

3.109.2. If, in the sole judgment of WEBB COUNTY, the Schedule update reflects Work is behind schedule and the rate of performance of Work is inadequate to regain scheduled progress to insure Contractor achieving any Project Milestones (including, but not limited to, Substantial Completion) in accordance with the Project Schedule, WEBB COUNTY may, at its sole option, give written notice to Contractor and direct Contractor, at Contractor's sole expense, to propose and adopt a plan to accelerate the Work so the Work conforms to the Project Schedule and Project Milestones previously agreed upon. Contractor may, but is not limited to, propose:

- (1) increasing Project work forces;
- (2) increasing Project equipment or tools;
- (3) increasing the hours of work or number of shifts per day;
- (4) expediting the delivery of Project materials;
- (5) changing, with the approval of WEBB COUNTY, the schedule logic and Work sequences; or
- (6) taking some other action as Contractor may propose, if acceptable to WEBB COUNTY.

3.109.3. Within ten (10) calendar days after such notice from WEBB COUNTY, Contractor shall notify WEBB COUNTY in writing of the specific measures taken and/or planned to be taken to increase the rate of progress of Work on the Project. Contractor

shall include an estimate as to the date of scheduled full progress recovery and an updated Project Schedule, illustrating Contractor's plan for achieving timely completion of the Project Milestone's and the Project's Substantial Completion.

3.1094. Should WEBB COUNTY deem Contractor's plan of action inadequate to achieve the desired acceleration to bring the Work back on the Project Schedule and achieve Substantial Completion on time, WEBB COUNTY shall have the right to order Contractor, at Contractor's sole expense, to take any corrective measures WEBB COUNTY deems necessary to expedite the progress of Work including, without limitations:

- (1) increasing work forces and hours, to include Contractor working additional shifts of overtime;
- (2) supplying additional manpower, equipment and facilities;
- (3) re-sequencing the Work;
- (4) expediting the fabrication and supply of materials; and/or
- (5) other similar measures WEBB COUNTY may direct (hereafter **(1) – (5)** herein above collectively referred to as "Extraordinary Measures").

Such Extraordinary Measures WEBB COUNTY directs shall continue until the progress of the Work complies with the Milestone required by the Contract Documents.

3.1095. WEBB COUNTY's right to require Extraordinary Measures solely is for the purpose of ensuring Project Milestones and Substantial Completion of the Work is achieved within the Contract Time. Contractor shall not be entitled to an adjustment in the Contract Sum in connection with Extraordinary Measures required by WEBB COUNTY under or pursuant to this **Section 3.10.10.5**, except as may be provided under the provisions of **Section 4.3.11** herein.

3.1096. WEBB COUNTY may exercise the rights furnished pursuant to this **Section 3.10.10.5** as frequently as WEBB COUNTY deems necessary to ensure Contractor's performance of the Work is in compliance with any milestone date or completion date(s) set forth in the Contract Documents.

3.1097. If reasonably required by WEBB COUNTY, Contractor also shall prepare and furnish Project cash flow projections, manning data for critical activities and schedules for the purchase and delivery of all critical equipment and material, together with periodic updating thereof.

3.1098. Contractor shall recommend to WEBB COUNTY and Design Consultant a schedule for procurement of long-lead time items, which shall constitute part of the Work as required to meet the Project Schedule.

3.10.10. PROJECT SCHEDULE TIME IMPACT ANALYSIS

3.10.10.1 Contractor shall notify WEBB COUNTY when an impact may justify an extension of Contract time or adjustment of milestone dates. Said notice shall be made by Contractor in writing as soon as possible, but no later than the end of the next estimate period after the commencement of an impact or the notice for a change is given to Contractor. Not providing notice to WEBB COUNTY within twenty (20) calendar days after receipt shall indicate Contractor's approval of the time charges as shown on that time statement. Future consideration of that statement shall not be permitted and Contractor forfeits its right to subsequently request a time extension or time suspension, unless the circumstances prove Contractor could not reasonably have knowledge of the impact by the end of the next estimate period.

3.10.11.1 When changes are initiated or impacts are experienced, Contractor shall submit to WEBB COUNTY a written Time Impact Analysis describing the influence of each change or impact. A "Time Impact Analysis" is an evaluation of the effects of changes in the construction sequence, contract, Plans or site conditions on Contractor's plan for constructing the Project, as represented by the schedule. The purpose of the Time Impact Analysis is to determine if the overall Project has been delayed and, if necessary, to provide Contractor and WEBB COUNTY a basis for making adjustments to the Contract.

3.10.11.2 A Time Impact Analysis shall consist of one or all of the steps listed below:

- (1) Establish the status of the Project before the impact using the most recent Project Schedule Update prior to the impact occurrence.
- (2) Predict the effect of the impact on the most recent Project Schedule Update prior to the impact occurrence. This requires estimating the duration of the impact and inserting the impact into the schedule update. Any other changes made to the schedule including modifications to the calendars or constraints shall be noted.

- (3) Track the effects of the impact on the schedule during its occurrence. Note any changes in sequencing and mitigation efforts.
- (4) Compare the status of the work prior to the impact (**#1 above**) to the prediction of the effect of the impact (**#2 above**), and to the status of the work during and after the effects of the impact are over (**#3 above**). Note: if an impact causes a lack of access to a portion of the Project, the effects of the impact may extend to include a reasonable period for remobilization.

3.10.11.3 The Time Impact Analysis shall be electronically submitted to WEBB COUNTY. If the Project Schedule is revised after the submittal of a Time Impact Analysis but prior to its approval, Contractor promptly shall indicate in writing to WEBB COUNTY the need for any modification to its Time Impact Analysis. One (1) copy of each Time Impact Analysis shall be submitted within fourteen (14) calendar days after the completion of an impact. WEBB COUNTY may require **Step 1** and **Step 2** in **Section 3.10.11.2** herein of the Time Impact Analysis be submitted at the commencement of the impact, if needed to make a decision regarding the suspension of Contract time. Approval or rejection of each Time Impact Analysis by WEBB COUNTY shall be made within fourteen (14) calendar days after receipt, unless subsequent meetings and negotiations are necessary.

3.11. DOCUMENTS AND SAMPLES AT THE SITE

3.11.1. Contractor shall maintain, on Site and for WEBB COUNTY's use, one record copy of the Drawings, Specifications, Addenda, Change Orders and other Amendments, in good order and currently marked, to record field changes and selections made during construction, along with one record copy of approved Shop Drawings, Product Data, Samples and similar required submittals. These record copies also shall be available to Design Consultant and shall be delivered to Design Consultant for submittal to WEBB COUNTY upon completion of the Work.

3.11.2. Contractor shall at all times maintain job records including, but not limited to, invoices, payment records, payroll records, daily reports, logs, diaries and job meeting minutes applicable to the Project. Contractor shall make such reports and records available for inspection by WEBB COUNTY, Design Consultant and/or their respective agents, during normal business hours if requested by WEBB COUNTY.

3.12. SHOP DRAWINGS, PRODUCT DATA AND SAMPLES

- 3.12.1. Shop Drawings are drawings, diagrams, illustrations, schedules, performance charts, brochures and other data prepared and furnished by Contractor or its agents, manufacturers, suppliers or distributors and which illustrate and detail some portion of the Work.
- 3.12.2. Product Data are illustrations, standard schedules, performance charts, instructions, brochures, diagrams and other information furnished by Contractor to illustrate materials or equipment for some portion of the Work.
- 3.12.3. Samples are physical samples of materials, equipment or workmanship representative of some portion of the Work, furnished by the Contractor to WEBB COUNTY, to assist WEBB COUNTY and Design Consultant in the establishment of workmanship and quality standards by which the Work shall be judged.
- 3.12.4. Shop Drawings, Product Data, Samples and similar submittals are not Contract Documents. The purpose of their submittals is to demonstrate, for those portions of the Work for which submittals are required by the Contract Documents, the way by which Contractor proposes to conform to the information given and the design concept expressed in the Contract Documents. Review by Design Consultant is subject to the limitations of **Section 4.2.8** herein. Informational submittals, upon which Design Consultant is not expected to take responsive action, may be so identified in the Contract Documents. Submittals which are not required by the Contract Documents may be returned by the Design Consultant without action.
- 3.12.5. Contractor shall review for compliance with the Contract Documents, approve and submit to Design Consultant Shop Drawings, Product Data, Samples and similar submittals required by the Contract Documents with reasonable promptness and in such sequence as to cause no delay in the Work or in the activities of WEBB COUNTY or of separate contractors. Submittals which are not marked as reviewed for compliance with the Contract Documents and approved by Contractor may be returned by Design Consultant without action.
- 3.12.6. By approving and submitting Shop Drawings, Product Data, Samples and similar submittals, Contractor represents it has determined and verified materials, field measurements and filed construction criteria related thereto, or shall do so, and has checked and coordinated the information contained within such submittals with the requirements of the Work and of the Contract Documents.
- 3.12.7. Contractor shall perform no portion of the Work for which the Contract Documents require submittal and review of Shop Drawings, Product Data,

Samples or similar submittals until the respective submittal and review has been approved by Design Consultant. Design Consultant shall review and return such submittals within ten (10) calendar days or within a reasonable period so as to not delay the project.

- 3.12.8. The Work shall be in accordance with approved submittals, except Contractor shall not be relieved of responsibility for deviations from requirements of the Contract Documents by Design Consultant's approval of Shop Drawings, Product Data, Samples or similar submittals unless Contractor specifically has informed Design Consultant in writing of such deviation at the time of submittal and:
- (1) Design Consultant has given written approval in the specific deviation as a minor change in the Work; or
 - (2) a Change Order or Field Work Directive has been issued authorizing the deviation. Contractor shall not be relieved of responsibility for errors or omissions in Shop Drawings, Product Data, Samples or similar submittals by Design Consultant's approval thereof.
- 3.12.9. Contractor shall direct specific attention, in writing or on resubmitted Shop Drawings, Product Data, Samples or similar submittals, to revisions other than those requested by Design Consultant on previous submittals. In the absence of such written notice, Design Consultant's approval of a resubmission shall not apply to such revisions.
- 3.12.10. Contractor shall not be required to provide professional services which constitute the practice of architecture or engineering unless such services specifically are required by the Contract Documents for a portion of the Work or unless Contractor needs to provide such services in order to carry out Contractor's responsibilities for construction means, methods, techniques, sequences and procedures. Contractor shall not be required to provide professional services in violation of applicable law. If professional design services or certifications by a design professional related to systems, materials or equipment specifically are required of Contractor by the Contract Documents, WEBB COUNTY and Design Consultant shall specify all performance and design criteria such services must satisfy. Contractor shall cause such services or certifications to be provided by a properly Texas-licensed design professional, whose signature and seal shall appear on all drawings, calculations, Specifications, certifications, Shop Drawings and other submittals prepared by such professional. Shop Drawings and other submittals related to the Work designed or certified by such professional, if prepared by others, shall bear such professional's written approval when submitted to Design Consultant. WEBB COUNTY and Design Consultant shall be entitled to rely upon the adequacy, accuracy and completeness of the services, certifications or

approvals performed by such design professionals, provided WEBB COUNTY and Design Consultant have specified to Contractor all performance and design criteria such identified services must satisfy. Pursuant to this **Section 3.12.10**, Design Consultant shall review, approve or take other appropriate action on submittals only for the limited purpose of checking of conformance with information given and the design concept expressed in the Contract Documents. Contractor shall not be responsible for the adequacy of the performance or design criteria required by the Contract Documents.

3.13. USE OF SITE

- 3.13.1. Contractor shall confine construction equipment, the storage of materials and equipment and the operations of workers to areas permitted by law, ordinances, permits or the requirements of the Contract Documents and shall not unreasonably encumber the premises with construction equipment or other materials or equipment.
- 3.13.2. Contractor shall not load nor permit any part of any structure to be loaded in any manner that shall endanger the structure, nor shall Contractor subject any part of the Work or adjacent property to stresses or pressures that shall endanger it.
- 3.13.3. Contractor shall abide by all applicable rules and regulations of WEBB COUNTY with respect to conduct, including smoking, parking of vehicles, security regulations and entry into adjacent facilities owned by WEBB COUNTY.
- 3.13.4. Contractor shall provide access to residents and businesses affected by the construction of this Project to the greatest extent possible, including providing temporary base and asphalt as needed.
- 3.13.5. Contractor shall erect and maintain on Site a Project Bulletin Board, accessible to all Contractor and Subcontractor employees, upon which Contractor shall post and maintain, throughout the Project's duration, all employment and safety information required by law. Contractor further shall post complete Payment and Performance Bond information on the Project Bulletin Board, listing Contractor's bonding and insurance agencies/providers, to include agency contact names, address and telephone numbers.
- 3.13.6. As applicable, WEBB COUNTY shall have appropriate Temporary Bench Marks (hereafter referred to as "TBM") and a baseline (for both horizontal and vertical projects, as applicable) established. As of the date of the Notice To Proceed, it is Contractor's responsibility to protect, preserve and reestablish (if required) the TBM and/or baseline. Construction staking and tolerances shall be in accordance with the "Manual of Practice for Land Surveying in the State of Texas Category 5".

- 3.13.7. As applicable, Contractor shall layout its work from an established baseline and TBM indicated on the drawings and shall be responsible for all measurements in connection with the layout. Contractor shall furnish, at its own expense, all stakes, templates, platforms, equipment, tools, materials and labor required to layout any part of the work. Contractor shall provide cut sheets to WEBB COUNTY's inspector at minimum seven (7) calendar days prior to construction of street and drainage work. Contractor shall establish the necessary offsets, hubs and guards marked showing control designation and offsets for Utility Work, if present. Contractor shall provide cut sheets for improvements where Sewer profiles are provided for various phases of the project and cut sheets for Water profiles, if applicable.

Contractor shall provide staking and preparation of cut sheets after receiving notice to proceed from WEBB COUNTY. If present, Contractor shall provide City Utilities with cut sheets at minimum (7) calendar days prior to commence of utility work. Contractor shall be responsible for maintaining and preserving a baseline and TBM indicated on the drawings for duration of construction. If such marks are destroyed, Contractor shall replace them at its own expense. At the end of construction of the Project, Contractor shall provide WEBB COUNTY a grade certificate prepared by a Registered Professional Land Surveyor. This certificate shall state the infrastructure is constructed in accordance to the construction documents or as approved by WEBB COUNTY and the Engineer of Record, which is noted on the record plan set.

3.14. CUTTING AND PATCHING

- 3.14.1. Contractor shall be responsible for all cutting, fitting or patching required to complete the Work or to make its parts fit together properly.
- 3.14.2. Contractor shall not damage or endanger a portion of the Work or a fully or partially completed construction by either WEBB COUNTY or separate contractors by cutting, patching or otherwise altering such construction, or by excavation. Contractor shall not cut or otherwise alter such construction by WEBB COUNTY or a separate contractor except with written consent of WEBB COUNTY and, if WEBB COUNTY so designates, of such separate contractor and said consent shall not be unreasonably withheld. Contractor unreasonably shall not withhold from WEBB COUNTY or WEBB COUNTY's separate contractor Contractor's consent to cutting or otherwise altering the Work.
- 3.14.3. Any part of the Work damaged by Contractor, either during installation or prior to Substantial Completion of the Work, shall be repaired by Contractor so as to be equal in quality, appearance, serviceability and other respects to an undamaged item or part of the Work. Where this repair cannot fully be accomplished, a damaged item or part shall be replaced by Contractor.

3.15. CLEANING UP

3.15.1. During the progress of the Work, Contractor shall keep the Project Site and surrounding area including, but not limited to, creeks, drainage channels, easements and private property free from accumulations of waste materials, rubbish and other debris resulting from the Work. As applicable, Contractor shall clean, sweep, mop, brush and polish, as appropriate, the interior of the improvements and/or renovated areas including, but not limited to, any floors, carpeting, ducts, fixtures and ventilation units operated during construction, and shall clean exterior gutters, drainage, walkways, driveways and roofs of debris. If Contractor fails to clean up as provided in the Contract Documents, WEBB COUNTY may elect to do so and all costs incurred by WEBB COUNTY shall be paid by Contractor.

3.15.2. Prior to Substantial Completion of the Work, Contractor shall remove all waste materials, rubbish and debris from and about the premises, as well as all tools, appliances, construction equipment and machinery and surplus materials, and shall leave the Project Site clean and ready for occupancy by WEBB COUNTY. As applicable, Contractor shall clean, sweep, mop, brush and polish, to WEBB COUNTY's satisfaction, the interior of the improvements and/or renovated areas including, but not limited to, any floors, carpeting, ducts, fixtures and ventilation units operated during construction, and shall clean exterior gutters, drainage, walkways, driveways and roofs of debris. Contractor shall restore to their original condition those portions of the Site not designated for alteration by the Contract Documents. If Contractor fails to clean up the premises as provided in the Contract Documents, WEBB COUNTY may elect to do so and all costs incurred by WEBB COUNTY shall be paid by Contractor.

3.16. ACCESS TO WORK

Contractor shall provide WEBB COUNTY and Design Consultant access to Work in preparation and in progress, wherever located.

3.17. PATENT FEES AND ROYALTIES

Contractor shall pay all license fees and royalties and assume all costs incident to the use of the performance of the Work or the incorporation in the Work of any invention, design, process, product or device which is the subject of patent rights or copyrights held by others. If a particular invention, design, process, product or device is specified in the Contract Documents for use in the performance of the Work and if to the actual knowledge of WEBB COUNTY its use is subject to patent rights or copyrights calling for the payment of any license fee or royalty to others, the existence of such rights shall be disclosed by WEBB COUNTY in the Contract Documents.

3.18. INDEMNITY PROVISIONS

3.181. **CONTRACTOR COVENANTS AND AGREES TO FULLY INDEMNIFY, DEFEND AND HOLD HARMLESS, WEBB COUNTY AND ITS ELECTED OFFICIALS, EMPLOYEES, OFFICERS, DIRECTORS, VOLUNTEERS AND REPRESENTATIVES OF WEBB COUNTY, INDIVIDUALLY AND COLLECTIVELY, FROM AND AGAINST ANY AND ALL COSTS, CLAIMS (INCLUDING THIRD-PARTY CLAIMS), LIENS, DAMAGES, LOSSES, EXPENSES, FEES, FINES, PENALTIES, PROCEEDINGS, ACTIONS, DEMANDS, CAUSES OF ACTION, LIABILITY AND SUITS OF ANY KIND AND NATURE, INCLUDING BUT NOT LIMITED TO, PERSONAL OR BODILY INJURY, DEATH AND PROPERTY DAMAGE, MADE UPON WEBB COUNTY DIRECTLY OR INDIRECTLY ARISING OUT OF, RESULTING FROM OR RELATED TO CONTRACTOR'S ACTIVITIES UNDER THIS CONTRACT, INCLUDING ANY ACTS OR OMISSIONS OF CONTRACTOR, ANY AGENT, OFFICER, DIRECTOR, REPRESENTATIVE, EMPLOYEE, CONSULTANT OR SUBCONTRACTOR OF CONTRACTOR AND CONTRACTOR'S AND ITS SUBCONTRACTOR'S RESPECTIVE OFFICERS, AGENTS EMPLOYEES, DIRECTORS AND REPRESENTATIVES WHILE IN THE EXERCISE OF THE RIGHTS OR PERFORMANCE OF THE DUTIES UNDER THIS CONTRACT. THE INDEMNITY PROVIDED FOR IN THIS PARAGRAPH SHALL NOT APPLY TO ANY LIABILITY RESULTING FROM THE NEGLIGENCE OF WEBB COUNTY, ITS OFFICERS OR ITS EMPLOYEES IN INSTANCES WHERE SUCH NEGLIGENCE CAUSES PERSONAL INJURY, DEATH, OR PROPERTY DAMAGE. IN THE EVENT CONTRACTOR AND WEBB COUNTY ARE FOUND JOINTLY LIABLE BY A COURT OF COMPETENT JURISDICTION, LIABILITY SHALL BE APPORTIONED COMPARATIVELY IN ACCORDANCE WITH THE LAWS FOR THE STATE OF TEXAS, WITHOUT, HOWEVER, WAIVING ANY GOVERNMENTAL IMMUNITY AVAILABLE TO WEBB COUNTY UNDER TEXAS LAW AND WITHOUT WAIVING ANY DEFENSES OF THE PARTIES UNDER TEXAS LAW.**

3.182. The provisions of this Indemnity solely are for the benefit of the Parties hereto and not intended to create or grant any rights, contractual or otherwise, to any other person or entity. Contractor shall advise WEBB COUNTY in writing within twenty-four (24) hours of any claim or demand against WEBB COUNTY or Contractor known to Contractor related to or arising out of Contractor's activities under this Contract and shall see to the investigation and defense of such claim or demand at Contractor's sole cost. WEBB COUNTY shall have the right, at its option and at its own expense, to participate in such defense without relieving Contractor of any of its obligations under this **Section 3.18**.

3.183. **INTELLECTUAL PROPERTY INDEMNIFICATION. CONTRACTOR SHALL PROTECT, INDEMNIFY, AND DEFEND AND/OR HANDLE AT ITS OWN COST AND EXPENSE ANY CLAIM OR ACTION**

AGAINST WEBB COUNTY, ITS ELECTED OFFICIALS, EMPLOYEES, OFFICERS, DIRECTORS, VOLUNTEERS AND REPRESENTATIVES OF WEBB COUNTY, INDIVIDUALLY OR COLLECTIVELY, FOR INFRINGEMENT OF ANY UNITED STATES PATENT, COPYRIGHT OR SIMILAR PROPERTY RIGHT INCLUDING, BUT NOT LIMITED TO, MISAPPROPRIATION OF TRADE SECRETS AND ANY INFRINGEMENT BY CONTRACTOR AND ITS EMPLOYEE OR ITS SUBCONTRACTORS AND THEIR AGENTS, SERVANTS AND EMPLOYEES, BASED ON ANY DELIVERABLE OR ANY OTHER MATERIALS FURNISHED HEREUNDER BY CONTRACTOR AND USED BY EITHER WEBB COUNTY OR CONTRACTOR WITHIN THE SCOPE OF THIS CONTRACT (UNLESS SAID INFRINGEMENT RESULTS DIRECTLY FROM CONTRACTOR'S COMPLIANCE WITH WEBB COUNTY'S WRITTEN STANDARDS OR SPECIFICATIONS). CONTRACTOR DOES NOT WARRANT AGAINST INFRINGEMENT BY REASON OF WEBB COUNTY'S OR DESIGN CONSULTANT'S DESIGN OF ARTICLES OR THEIR USE IN COMBINATION WITH OTHER MATERIALS OR IN THE OPERATION OF ANY PROCESS. CONTRACTOR SHALL HAVE THE SOLE RIGHT TO CONDUCT THE DEFENSE OF ANY SUCH CLAIM OR ACTION AND ALL NEGOTIATIONS FOR ITS SETTLEMENT OR COMPROMISE, UNLESS OTHERWISE MUTUALLY AGREED UPON, EXPRESSED IN WRITING AND SIGNED BY THE PARTIES HERETO. CONTRACTOR AGREES TO CONSULT WITH WEBB COUNTY'S ATTORNEY DURING SUCH DEFENSE OR NEGOTIATIONS AND MAKE GOOD FAITH EFFORTS TO AVOID ANY POSITION ADVERSE TO THE INTEREST OF WEBB COUNTY. WEBB COUNTY SHALL MAKE AVAILABLE TO CONTRACTOR ANY DELIVERABLES AND/OR WORKS MADE FOR HIRE BY CONTRACTOR NECESSARY TO THE DEFENSE OF CONTRACTOR AGAINST ANY CLAIM OF INFRINGEMENT FOR THE DURATION OF CONTRACTOR'S LEGAL DEFENSE.

- 3.184. If such infringement claim or action has occurred or, in Contractor's judgment, is likely to occur, WEBB COUNTY shall allow Contractor, at Contractor's option and expense, (unless such infringement results directly from Contractor's compliance with WEBB COUNTY's written standards or Specifications or by reason of WEBB COUNTY's or Design Consultants' design of articles or their use in combination with other materials or in the operation of any process for which WEBB COUNTY shall be liable) to elect to:
- (1) procure for WEBB COUNTY the right to continue using said deliverable and/or materials;
 - (2) modify such deliverable and/or materials to become non- infringing (provided such modification does not adversely affect WEBB

Exhibit "D"

Webb County General Conditions
Webb County HVAC Upgrades (JP Precinct 2, Place 2)

COUNTY's intended use of the deliverable and/or materials as contemplated hereunder);

- (3) replace said deliverable and/or materials with an equally suitable, compatible and functionally equivalent non- infringing deliverable and/or materials at no additional charge to WEBB COUNTY ; or
- (4) if none of the foregoing alternatives is reasonably available to Contractor, upon written request, WEBB COUNTY shall return the deliverable and/or materials in question to Contractor and Contractor shall refund all monies paid by WEBB COUNTY , with respect to such deliverable and/or materials, and accept return of same. If any such cure provided for in this **Section 3.18** shall fail to satisfy the third-party claimant, these actions shall not relieve Contractor from its defense and indemnity obligations set forth in this **Section 3.18**.

3.185. The Indemnification obligations under this **Section 3.18** shall not be limited in any way by the limits of any insurance coverage or any limitation on the amount or type of damages, compensation or benefits payable by, for or to Contractor or any Subcontractor, supplier or any other individual or entity under any insurance policy, workers' compensation acts, disability benefit acts or other employee benefits acts.

3.186. **WORKER SAFETY.** The Indemnification hereunder shall include, without limiting the generality of the foregoing, liability which could arise to WEBB COUNTY, its agents, Consultants and/or representatives or Design Consultant pursuant to State statutes for the safety of workers and, in addition, all Federal statutes and rules existing there under for protection, occupational safety and health to workers. It is agreed the primary obligation of Contractor is to comply with these statutes in the performance by Contractor of the Work and the obligations of WEBB COUNTY, its agents, Consultants and representatives under said statutes are secondary to that of Contractor.

3.187. **DEFENSE COUNSEL.** WEBB COUNTY shall have the right to approve defense counsel, of which approval shall not be unreasonably withheld, to be retained by Contractor in fulfilling its obligation hereunder to defend and indemnify WEBB COUNTY, unless such right is expressly waived by WEBB COUNTY in writing. Contractor shall retain WEBB COUNTY - approved defense counsel within ten (10) calendar days of WEBB COUNTY's written notice WEBB COUNTY is invoking its right to Indemnification under this Contract. If Contractor fails to retain counsel within such time period, WEBB COUNTY shall have the right to retain defense counsel on its own behalf and Contractor shall be liable for all costs incurred by WEBB COUNTY. WEBB COUNTY also shall have the right, at its option, to be represented by advisory counsel of its own selection and at its own expense, without waiving the foregoing.

3.19. REPRESENTATIONS AND WARRANTIES

Exhibit "D"

Webb County General Conditions
Webb County HVAC Upgrades (JP Precinct 2, Place 2)

Contractor represents and warrants the following to WEBB COUNTY (in addition to the other representations and warranties contained in the Contract Documents), as an inducement to WEBB COUNTY to execute this Contract, which representations and warranties shall survive the execution and delivery of the Contract and the Final Completion of the Work, Contractor:

- 3.191. is financially solvent, able to pay its debts as they mature and possessed of sufficient working capital to complete the Work and perform its obligations under the Contract Documents;
 - 3.192. is able to furnish the plant, tools, materials, supplies, equipment and labor required to complete the Work and perform its obligations hereunder and has sufficient experience and competence to do so;
 - 3.193. is authorized to do business in the State of Texas and properly is licensed by all necessary governmental, public and quasi-public authorities having jurisdiction over it, the Work and the site of the Project;
 - 3.194. is acting within its duly authorized powers to execute this Contract and execute the performance and obligations thereof; and
 - 3.195. had directed its duly authorized representative(s) to visit the Site of the Work, familiarize itself with the local conditions under which the Work is to be performed and correlated its observations with the requirements of the Contract Documents.
- 3.20. BUSINESS STANDARDS

Contractor, in performing its obligations under this Contract, shall establish and maintain appropriate business standards, procedures and controls, including those necessary to avoid any real or apparent impropriety or adverse impact on the interest of WEBB COUNTY or affiliates. Contractor shall review with WEBB COUNTY, at a reasonable frequency during the performance of the Work hereunder, such business standards and procedures including, without limitation, those related to the activities of Contractor's employees, Subcontractors and agents in their relations with WEBB COUNTY's employees, Consultants, agents, representatives, vendors, Subcontractors, other third parties and those relating to the placement and administration of purchase orders and subcontracts.

ARTICLE IV. ADMINISTRATION OF THE CONTRACT

4.1. DESIGN CONSULTANT

A Design Consultant is a person registered as an Architect pursuant to Tex. Occupations Code Ann., Chapter 1051, a Landscape Architect pursuant to Texas Occupations Code, Chapter 1052, and/or a person licensed as a professional Engineer pursuant to Texas Occupations Code, Chapter 1001, or a firm employed by WEBB COUNTY to provide professional architectural or engineering services and exercising overall responsibility for

the design of a Project or a significant portion thereof, and performing certain contract administration responsibilities as set forth in its Contract and these General Conditions. If the employment of a Design Consultant is terminated, WEBB COUNTY shall employ a new Design Consultant whose status under the Contract Documents shall be that of the former Design Consultant.

42. ROLES IN ADMINISTRATION OF THE CONTRACT

42.1. WEBB COUNTY and Design Consultant shall provide administration of the Contract, as described in the Contract Documents, and Design Consultant shall be WEBB COUNTY's representative:

- (1) during construction;
- (2) until final payment is due; and
- (3) with WEBB COUNTY's concurrence, from time to time during the one- year period for correction of Work described in **Article XII** herein.

Design Consultant only shall have authority to act on behalf of WEBB COUNTY to the extent provided in the Contract Documents, unless otherwise modified in writing by WEBB COUNTY in accordance with other provisions of the Contract Documents.

42.2. WEBB COUNTY's instruction to Contractor may be issued through Design Consultant and WEBB COUNTY reserves the right to issue instructions directly to Contractor or through other designated WEBB COUNTY representatives. Contractor understands WEBB COUNTY may modify the authority of such Design Consultant as provided in the terms of its contractual relationship with Design Consultant, and WEBB COUNTY shall, in such event, be vested with powers formerly exercised by such Design Consultant, provided written notice of such modification immediately shall be served on Contractor. Nothing herein shall authorize independent agreements between Contractor and Design Consultant, nor shall Design Consultant be deemed to have a legal relationship with Contractor.

42.3. Neither Design Consultant nor WEBB COUNTY shall have control over, charge of nor be responsible for the construction means, methods or techniques, or for the safety precautions, quality control program and other programs in connection with the Work, since these solely are Contractor's rights and responsibilities under the Contract Documents. Sequencing and procedures shall be coordinated and agreed upon by WEBB COUNTY, Design Consultant and Contractor and shall remain the responsibility of Contractor for implementation.

- 4.24. Design Consultant shall not be responsible for Contractor's failure to perform the Work in accordance with the requirements of the Contract Documents. Design Consultant shall not have control over, charge of and shall not be responsible for acts or omissions of Contractor, Subcontractor, their respective agents, employees or any other persons or entities performing portions of the Work.
- 4.25. WEBB COUNTY and Contractor shall endeavor to communicate with each other directly, through Design Consultant and/or through the ODR about matters arising out of or relating to the Contract. Communications by and with Design Consultant's Consultants shall be through Design Consultant. Communications by WEBB COUNTY and Design Consultant with Contractor's employees Subcontractors and material suppliers shall be through Contractor. All communications by and with WEBB COUNTY's separate contractors shall be through WEBB COUNTY.
- 4.26. Design Consultant shall review and approve or take other appropriate action upon Contractor's submittals such as Shop Drawings, Product Data and Samples, but only for the limited purpose of checking for conformance with information given and the design concept expressed in the Contract Documents. Design Consultant shall perform these reviews in a timely fashion so as to not delay the Work. Design Consultant promptly shall respond to submittals such as Shop Drawings, Product Data and Samples pursuant to the procedures set forth in the Project Specifications. Review of such submittals is not conducted for the purpose of determining the accuracy and completeness of equipment or systems, all of which remain the responsibility of Contractor as required by the Contract Documents. Design Consultant's review of Contractor's submittals shall not relieve the Contractor of the obligations under **Sections 3.3, 3.5 and 3.12** herein. Design Consultant's review shall not constitute approval of safety precautions or, unless otherwise specifically stated by Design Consultant, any construction means, methods, techniques, sequences or procedures. Design Consultant's approval of a specific item shall not indicate approval of an assembly of which the item is a component.
- 4.27. Upon written request of WEBB COUNTY or Contractor, Design Consultant shall issue its interpretation of the requirements of the Plans and Specifications. Design Consultant's response to such requests shall be made in writing within a time limit agreed upon or otherwise with reasonable promptness. If no agreement is made concerning the time within which interpretations required of Design Consultant shall be furnished in compliance with this **Section 4.2**, then no delay shall be recognized on account of any failure by Design Consultant to furnish such interpretations except for actual substantiated delays, for which Contractor is not responsible, occurring more than fifteen (15) calendar days after written request is made for the interpretations.
- 4.28. Interpretations and decisions of Design Consultant shall be consistent with the intent of and reasonably inferable from the Contract Documents and shall be in

writing or in the form of drawings.

429. Design Consultant's decisions on matters relating to aesthetic effect shall be final if consistent with the intent expressed in the Contract Documents and not expressly overruled in writing by WEBB COUNTY.

43. CLAIMS AND DISPUTES

43.1. **DEFINITION.** A Claim is a demand or assertion by one of the Parties seeking, as a matter of right, an adjustment or interpretation of Contract terms, payment of money, extension of time or other relief, with respect to the terms of the Contract. The term "Claim" also includes other disputes and matters in question between WEBB COUNTY and Contractor arising out of or relating to the Contract. Claims must be initiated by written notice. Except as contemplated by **Section 8.2** herein, every Claim of Contractor, whether for additional compensation, additional time or other relief including, but not limited to, claims arising from concealed conditions, shall be signed and sworn to by an authorized corporate officer (if not a corporation, then an official of the company authorized to bind Contractor by his/her signature) of Contractor, verifying the truth and accuracy of the Claim. The responsibility to substantiate a Claim shall rest with the Party making the Claim.

43.2. **TIME LIMIT ON CLAIMS.** Except for those Claims resulting from unusually severe weather, as addressed in **Section 4.3.6** herein, Contractor Claims must be initiated within fifteen (15) calendar days after occurrence of the event giving rise to such Claim. Claims by Contractor must be submitted by written notice to both WEBB COUNTY and Design Consultant. Claims by WEBB COUNTY must be submitted by written notice to Contractor. Failure by Contractor to submit written notice of the claim within fifteen (15) calendar days shall constitute a waiver of such claim.

43.3. **CONTINUING CONTRACT PERFORMANCE.** Pending final resolution of a Claim, except as otherwise agreed in writing or as provided in **Sections 4.5.1, Section 9.7.1 and Article 14** herein, Contractor shall proceed diligently with performance of the Contract and WEBB COUNTY shall continue to make payments in accordance with the Contract Documents.

43.4. **CLAIMS FOR CONCEALED OR UNKNOWN CONDITIONS.** If conditions are encountered at the Site which either are subsurface or are otherwise concealed physical conditions which were not known to Contractor and which differ materially from those indicated in the Contract Documents or in the reports of investigations and tests of subsurface and latent physical conditions provided by WEBB COUNTY to Contractor prior to the preparation by Contractor of its Bid, as referred to above, or are unknown physical conditions of an unusual nature, which differ materially from those ordinarily found to exist and generally recognized as inherent in construction activities of

the character provided for in the Contract Documents in the general vicinity of the Project site, then Contractor promptly shall notify WEBB COUNTY and Design Consultant of such conditions before conditions are disturbed, and in no event more than three (3) workdays after first observation of the conditions. Upon notification by Contractor, Design Consultant promptly shall investigate such conditions and report its findings to WEBB COUNTY. If WEBB COUNTY and Contractor cannot agree on an adjustment to the Contract Sum or Contract Time, the adjustment shall be subject to dispute resolution pursuant to **Section 4.5** herein.

43.5. **CLAIMS FOR ADDITIONAL COST.** If Contractor wishes to make a Claim for an increase in the Contract Sum, written notice as provided in this **Section 4.3** shall be given and accepted by WEBB COUNTY before proceeding to execute the Work, provided prior notice is not required for Claims relating to an emergency endangering life or property. Contractor shall file a Claim in accordance with this **Section 4.3** if Contractor believes additional cost is involved for reasons including, but not limited to:

- (1) a written interpretation from Design Consultant;
- (2) an order by WEBB COUNTY to stop the Work where Contractor was not at fault;
- (3) a written order for a minor change in the Work issued by Design Consultant;
- (4) failure of payment by WEBB COUNTY;
- (5) termination of the Contract by WEBB COUNTY for convenience;
- (6) WEBB COUNTY's suspension; or
- (7) other reasonable grounds.

43.6. **CLAIMS FOR ADDITIONAL TIME**

43.6.1. If Contractor wishes to make Claim for an increase in the Contract Time, written notice, as required in this **Section 4.3**, shall be given. Contractor's Claim shall include an estimate of probable impact of delay on progress of the Work in accordance with **Section 3.10.11** herein. In the case of a continuing delay, only one Claim is necessary.

43.6.2. Contractor shall be entitled to an extension of the Contract Time for delays or disruptions due to unusually severe weather in excess of weather normally experienced at the job site, as determined from climatological data set forth by

National Weather Service and which affects the Project's critical path. Contractor shall bear the entire economic risk of all-weather delays and disruptions. Contractor shall not be entitled to any increase in the Contract Sum by reason of such delays or disruptions. With regard to Vertical projects with WEBB COUNTY, requests for an extension of time, pursuant to this **Section 4.3.6**, shall be submitted to WEBB COUNTY and Design Consultant not later than the fifteenth (15th) calendar day of the month following the month during which the delays or disruptions occurred and shall include documentation and all details reasonably available, demonstrating the nature and duration of the delays or disruptions and their effect on the critical path of the Schedule. With regard to Horizontal projects with WEBB COUNTY, upon Contractor reaching Substantial Completion, WEBB COUNTY and Contractor shall look back at the entire duration of the calendar day Project and review the totality of what Contractor claims were unusually severe weather disruptions. If the Project was delayed or disrupted due to unusually severe weather in excess of weather normally experienced over the entire duration of the Project, Contractor may make a Claim for an extension of the Contract Time for delays or disruptions due to unusually severe weather in excess of weather normally experienced at the job site, as determined from climatological data set forth by National Weather Service and which affects the Project's critical path. Any time extension granted to Contractor for either Vertical or Horizontal projects under **Section 4.3.6** shall be non-compensatory.

- 4.3.7. **INJURY OR DAMAGE TO PERSON OR PROPERTY.** If either Party to the Contract suffers injury or damage to person or property because of an act or omission of the other Party or an act or omission of others for whose acts such other Party legally is responsible (including, with respect to WEBB COUNTY, the acts or omissions of WEBB COUNTY's separate contractors), written notice of such injury or damage, whether or not insured, shall be given to the other Party within a reasonable time not exceeding three (3) calendar days after the discovery of the injury or damage. The written notice shall provide sufficient detail to enable the other Party to investigate the injury or damage.
- 4.3.8. **CHANGE IN UNIT PRICES.** As applicable, if unit prices are stated in the Contract Documents or subsequently are agreed upon by WEBB COUNTY and Contractor and if quantities originally contemplated are materially changed in a proposed Change Order or Field Work Directive, such that the application of such unit prices to quantities of Work proposed shall cause substantial inequity to WEBB COUNTY or Contractor, the applicable unit prices shall be equitably adjusted.
- 4.3.9. **CLAIMS FOR CONSEQUENTIAL DAMAGES.** Except as otherwise provided in this Contract, in calculating the amount of any Claim or any measure of damages for breach of contract (such provision to survive any termination following such breach), the following standards shall apply both to Claims by Contractor and to Claims by WEBB COUNTY:

- 4.3.9.1. No consequential, indirect, incidental, punitive or exemplary damages shall be allowed, whether or not foreseeable, regardless of whether based on breach of contract, tort (including negligence), indemnity, strict liability or other bases of liability.
- 4.3.9.2. No recovery shall be based on a comparison of planned expenditures to total actual expenditures, on estimated losses of labor efficiency, on a comparison of planned man loading to actual man loading or on any other similar analysis used to show total cost or other damages.
- 4.3.9.3. Damages are limited to extra costs specifically shown to directly have been caused by a proven wrong for which the other Party is claimed to be responsible.
- 4.3.9.4. The maximum amount of any recovery for delay, to the extent damages for delay are not otherwise disallowed by the terms of the Contract Documents, shall be as is provided in **Article VIII** herein.
- 4.3.9.5. No damages shall be allowed for home office overhead or other home office charges or any Eichleay formula calculation, except or unless as expressly authorized by the Contract Documents.
- 4.3.9.6. No profit shall be allowed on any damage Claim, except or unless as expressly authorized by the Contract Documents.
- 4.3.10. **SUBCONTRACTOR PASS-THROUGH CLAIMS.** In the event any Subcontractor of Contractor asserts a Claim to Contractor that Contractor seeks to pass through to WEBB COUNTY under the Contract Documents, any entitlement to submit and assert the Claim as to WEBB COUNTY shall be subject to:
- 4.3.10.1. the requirements of **Section 4.3** herein of these General Conditions; and
- 4.3.10.2. the following additional three (3) requirements listed below, all three of said additional requirements shall be conditions precedent to the entitlement of Contractor to seek and assert such Claim against WEBB COUNTY:
- (1) Contractor shall:
- (a) have direct legal liability as a matter of contract, common law or statutory law to Subcontractor for

the claim Subcontractor is asserting; or

- (b) have entered into a written liquidating agreement with Subcontractor, prior to the Claim's occurrence, under which Contractor has agreed to be legally responsible to the Subcontractor for pursuing the assertion of such Claim against WEBB COUNTY under said Contract and for paying to Subcontractor any amount that may be recovered, less Contractor's included markup (subject to the limits in the Contract Documents for any markup). The relationship, liability or responsibilities shall be identified in writing by Contractor to WEBB COUNTY at the time such Claim is submitted to WEBB COUNTY and a copy of any liquidating agreement shall be included by Contractor in the Claim submittal materials.

- (2) Contractor shall have reviewed the Claim of the Subcontractor prior to its submittal to WEBB COUNTY and independently shall have evaluated such Claim in good faith to determine the extent to which the Claim is believed in good faith to be valid. Contractor shall inform WEBB COUNTY it has made a review, evaluation and determination the Claim is being made in good faith and the claim is believed to be valid.

- (3) Subcontractor making the Claim to Contractor shall certify to both Contractor and WEBB COUNTY Subcontractor has compiled, reviewed and evaluated the merits of such Claim and the Claim is believed in good faith by Subcontractor to be valid. A copy of the certification by Subcontractor shall be included by Contractor in the Claim submittal materials.

43.103. Any failure of Contractor to comply with any of the foregoing requirements and conditions precedent with regard to any such Claim shall constitute a waiver of any entitlement to submit or pursue such Claim.

43.104. Receipt and review of a Claim by WEBB COUNTY under this **Section 4.3** shall not be construed as a waiver of any defenses to the Claim available to WEBB COUNTY under the Contract Documents or at law.

4.3.11. **WEBB COUNTY'S RIGHT TO ORDER ACCELERATION AND TO**

DENY CLAIMED AND APPROPRIATE TIME EXTENSIONS, IN WHOLE OR IN PART. Contractor acknowledges and agrees Substantial Completion of the Work by or before the Scheduled Completion Date is of substantial importance to WEBB COUNTY. The following provisions, therefore, shall apply:

43.11.1. If Contractor falls behind the approved construction schedule for whatever reason, WEBB COUNTY shall have the right, in WEBB COUNTY's sole discretion, to order Contractor to develop a schedule recovery plan to alter its work sequences or to otherwise accelerate its progress in such a manner as to achieve Substantial Completion on or before the Contract Time completion date or such other date as WEBB COUNTY reasonably may direct. Upon receipt, Contractor shall take any and all action necessary to comply with WEBB COUNTY's order. In such event, any possible right, if any, of Contractor to additional compensation for any acceleration shall be subject to the terms of this **Section 4.3.11**.

43.11.2. In the event WEBB COUNTY agrees Contractor is entitled to an extension of Contract Time and Contractor properly has initiated a Claim for a time extension in accordance with **Section 4.3** herein, WEBB COUNTY shall have the right, in WEBB COUNTY's sole discretion, to deny any portion of Contractor's Claim for an extension of Contract Time and order Contractor to exercise its commercially reasonable efforts to achieve Substantial Completion on or before the contractual date established, but for the existence of the event giving rise to the Claim, by giving written notice to Contractor provided within fourteen (14) calendar days after receipt of Contractor's Claim. If WEBB COUNTY denies Contractor's claim for an extension of Contract Time under this **Section 4.3.11**, either in whole or in part, Contractor shall proceed to prosecute the Work in such a manner as to achieve Substantial Completion on or before the then existing Scheduled Completion Date. If, after initiating good faith acceleration efforts and it is shown, through no fault of Contractor, Contractor fell behind on the approved construction schedule and Contractor still is unable to achieve Substantial Completion within the originally scheduled Contract Time, WEBB COUNTY shall not be entitled to Liquidated Damages. Nothing in this **Section 4.3.11.2** shall prohibit Contractor from filing a Claim for an extension of time Contractor feels it may be owed.

43.11.3. If WEBB COUNTY orders Contractor to accelerate the Work under **Section 4.3.11** herein, and Contractor would have been entitled to a time extension for a reason specifically allowed

under the Contract Documents for an amount of time that would have justified approval by WEBB COUNTY if not for the need and right to complete the Project within the stipulated period, Contractor may initiate a Claim for schedule recovery or acceleration costs, pursuant to **Section 4.3** herein. Any resulting Claim for these costs properly initiated by Contractor under **Section 4.3** herein shall be limited to those reasonable and documented direct costs of labor, materials, equipment and supervision solely and directly attributable to the actual recovery or acceleration activity necessary for Contractor to bring the Work back within the then existing approved construction schedule. These direct costs of Contractor include, but are not limited to, the premium portion of overtime pay for additional crew, shift, or equipment costs, if requested in advance by Contractor and approved in writing by WEBB COUNTY. A percentage markup for the prorated cost of premium on the existing performance and payment bonds and required insurance, profit and field overhead, not to exceed the markups permitted by this Contract, shall be allowed on the claimed costs. **NO OTHER MARKUP FOR PROFIT, OVERHEAD (INCLUDING, BUT NOT LIMITED TO, HOME OFFICE OVERHEAD) OR ANY OTHER COSTS SHALL BE ALLOWED ON ANY ACCELERATION CLAIM.** WEBB COUNTY shall not be liable for any costs related to an acceleration claim other than those described in this **Section 4.3.11**.

4.3.12 **NO WAIVER OF GOVERNMENTAL IMMUNITY.** Nothing in this contract shall be construed to waive WEBB COUNTY's Governmental Immunity from a lawsuit, which Immunity is expressly retained to the extent it is not clearly and unambiguously waived by State law.

4.4. RESOLUTION OF CLAIMS AND DISPUTES

4.4.1. Claims by Contractor against WEBB COUNTY and Claims by WEBB COUNTY against Contractor, including those alleging an error or omission by Design Consultant but excluding those arising under **Section 10.3** and **Section 10.5** herein, shall be referred initially to Design Consultant for consideration and recommendation to WEBB COUNTY.

4.4.2. An initial recommendation by Design Consultant shall be required as a condition precedent to mediation or litigation of all Claims by the Parties arising prior to the date final payment is due, unless thirty (30) calendar days have passed after the Claim has been referred to Design Consultant with no recommendation having been rendered by Design Consultant.

443. Design Consultant shall review Claims and, within ten (10) work days of receipt of a Claim, take one or more of the following actions:
- (1) request additional supporting data from the Party making the Claim;
 - (2) issue an initial recommendation;
 - (3) suggest a compromise; or
 - (4) advise the Parties that Design Consultant is unable to issue an initial Recommendation, due to a lack of sufficient information or conflict of interest.
444. Following receipt of Design Consultant's initial recommendation regarding a Claim, WEBB COUNTY and Contractor shall attempt to reach agreement as to any adjustment to the Contract Sum and/or Contract Time. If no agreement is reached, either Party may request mediation of the dispute, pursuant to **Section 4.5** herein.
445. If Design Consultant requests either or any Party to provide a response to a Claim or to furnish additional supporting data, such requested Party shall provide a response or the requested supporting data to Design Consultant, advise Design Consultant when the response or supporting data shall be furnished or advise Design Consultant that no response or supporting data shall be furnished.
446. With receipt of all information requested by Design Consultant, Design Consultant shall review the Claim and all received information within ten (10) calendar days of receipt of the information and shall take one of the following actions:
- (1) issue a recommendation;
 - (2) suggest a compromise; or
 - (3) advise the Parties Design Consultant is unable to issue a recommendation due to lack information or conflict of interest.
447. Upon Design Consultant's action or inaction, the Parties may agree to accept recommendations made by either Party or may request mediation of the dispute pursuant to **Section 4.5** herein.
448. **WAIVER OF LIEN.** It is understood that, by virtue of this Contract, no mechanic, contractor, material man, artisan or laborer, whether skilled or unskilled, ever shall, in any manner, have a claim or acquire any lien upon the building or any of the improvements of whatever nature or kind so erected or to be erected by virtue of this Contract, nor upon any of the land upon which said building or any of the improvements are so erected, built or situated.

4.5. ALTERNATIVE DISPUTE RESOLUTION

- 4.5.1. **CONTINUATION OF WORK PENDING DISPUTE RESOLUTION.** Each Party is required to continue to perform its obligations under this Contract pending the final resolution of any dispute arising out of or relating to this Contract, unless it would be impossible or impracticable under the circumstances then present.
- 4.5.2. **REQUIREMENT FOR SENIOR LEVEL NEGOTIATIONS.** Before invoking mediation or any other alternative dispute process set forth herein, the Parties to this Contract agree that they first shall try to resolve any dispute arising out of or related to this Contract through discussions directly between those senior management representatives within their respective organizations who have overall managerial responsibility for similar projects. Both WEBB COUNTY and Contractor agree that this step shall be a condition precedent to use of any other alternative dispute resolution process. If the Parties' senior management representatives cannot resolve the dispute within thirty (30) calendar days after a Party delivers a written notice of such dispute to the other, then the Parties shall proceed with the alternative dispute resolution process contained in **Section 4.5** herein, including mediation and/or litigation. All negotiations pursuant to this **Section 4.5** are confidential and shall be treated as compromise and settlement negotiations for purposes of applicable rules of evidence.
- 4.5.3. **MEDIATION.** In the event that WEBB COUNTY and/or Contractor contend that the other has committed a material breach of this Contract, or the Parties cannot reach a resolution of a claim or dispute pursuant to **Section 4.4** herein, as a condition preceding to filing a lawsuit, either Party shall request mediation of the dispute with the following requirements:
- 4.5.3.1. Request for mediation shall be in writing, and shall request that the mediation commence not less than thirty (30) or more than ninety (90) calendar days following the date of the request, except upon agreement of both Parties.
- 4.5.3.2. In the event WEBB COUNTY and Contractor are unable to agree to a date for the mediation or to the identity of the mediator(s) within thirty (30) calendar days following the date of the request for mediation, all conditions precedent in this **Section 4.5** shall be deemed to have occurred.
- 4.5.3.3. The Parties shall share the mediator's fee and any mediation filing fees equally. Venue for any mediation or lawsuit arising under this Contract shall be in Webb County, Texas. Any agreement reached in mediation shall be enforceable as a settlement agreement in any court having jurisdiction thereof.

No provision of this Contract shall waive any immunity or defense. No provision of this Contract is consent to a suit.

4.6. INTERNET-BASED PROJECT MANAGEMENT SYSTEMS.

At its option, WEBB COUNTY may administer its design and construction management through an Internet-based Project Management system. In such cases, Contractor shall conduct communication through this medium and perform all Project-related functions utilizing this management system, to include all correspondences, submittals, Requests for Information, vouchers, payment requests and processing, Amendments, Change Orders and other administrative activities. When such a management system is employed, WEBB COUNTY shall administer the software, provide training to Project Team Members and shall make the software accessible via the Internet to all Project Team Members.

ARTICLE V. SUBCONTRACTORS

5.1. DEFINITION

A Subcontractor is defined and used herein as a person or entity that has a direct contract with the Contractor to perform a portion of the Work at the site. The term "Subcontractor" is referred to throughout the Contract Documents as if singular in number and means a Subcontractor, Sub-Consultant or an authorized representative of Subcontractor or Sub-Consultant. The term "Subcontractor" does not include a separate contractor or Subcontractor of a separate contractor.

5.2. AWARD OF SUBCONTRACTS AND OTHER CONTRACTS FOR PORTIONS OF THE WORK

- 5.2.1. Contractor shall, prior to entering into an agreement with such Subcontractor, notify WEBB COUNTY in writing of the names of all proposed first-tier Subcontractors for the Work.
- 5.2.2. Contractor shall not employ any Subcontractor or other person or organization (including those who are to furnish the principal items of materials or equipment), whether initially or as a substitute, against whom WEBB COUNTY may have reasonable objection. A Subcontractor or other person or organization identified in writing to WEBB COUNTY, prior to the Notice of Award and not objected to in writing by WEBB COUNTY prior to the Notice of Award, shall be deemed acceptable to WEBB COUNTY. Acceptance of any Subcontractor, other person or organization by WEBB COUNTY shall not constitute a waiver of any right of WEBB COUNTY to reject defective Work. If WEBB COUNTY, after due investigation, has reasonable objection to any Subcontractor, other person or organization proposed by Contractor after the Notice of Award, Contractor shall be required to submit an acceptable substitute. Contractor shall not be required to employ any Subcontractor, other

person or organization against whom Contractor has reasonable objection.

- 5.2.3. Contractor fully shall be responsible to WEBB COUNTY for all acts and omissions of its Subcontractors, persons and organizations directly or indirectly employed by them and persons and organizations for whose acts any of them may be liable to the same extent that Contractor is responsible for the acts and omissions of persons directly employed by Contractor. Nothing in the Contract Documents shall create any contractual relationship between WEBB COUNTY and any Subcontractor or other person or organization having a direct contract with Contractor, nor shall it create any obligation on the part of WEBB COUNTY to pay or to see to the payment of any moneys due any Subcontractor or other person or organization, except as may otherwise be required by law. WEBB COUNTY may furnish to any Subcontractor or other person or organization, to the extent practicable, evidence of amounts paid to Contractor on account of specific Work done.
- 5.2.4. The divisions and sections of the Specifications, as well as the identifications of any Drawings, shall not control Contractor in dividing the Work among Subcontractors or delineating the Work to be performed by any specific trade.
- 5.2.5. All Work performed for Contractor by a Subcontractor shall be performed pursuant to an appropriate agreement between Contractor and Subcontractor which specifically binds Subcontractor to the applicable terms and conditions of the Contract Documents for the benefit of WEBB COUNTY.

5.3. SUB-CONTRACTUAL RELATIONS

- 5.3.1. By appropriate agreement, written where legally required for validity, Contractor shall require each Subcontractor, to the extent of the Work to be performed by Subcontractor, to be bound to Contractor by the same terms and conditions of the Contract Documents. Through that binding commitment, Subcontractor shall assume all the obligations and responsibilities, including the responsibility for safety of Subcontractor's Work and workers, which Contractor, by these Documents, assumes toward WEBB COUNTY and Design Consultant. Each Subcontractor agreement shall preserve and protect the rights of WEBB COUNTY and Design Consultant under the Contract Documents, with respect to the Work to be performed by Subcontractor, so that subcontracting thereof shall not prejudice such rights. Where appropriate, Contractor shall require each Subcontractor to enter into similar agreements with Sub-Subcontractors. Contractor shall make available to each proposed Subcontractor, prior to the execution of all Subcontractor agreement(s), copies of the Contract Documents to which Subcontractor(s) shall be bound. Subcontractors similarly shall make copies of applicable portions of such documents available to their respective proposed Sub-Subcontractors.

5.4. CONTINGENT ASSIGNMENT OF SUBCONTRACTS

Each Subcontractor agreement for a portion of the Work assigned by Contractor to WEBB COUNTY shall provide:

- 5.4.1. an assignment is effective only after termination of the Contract by WEBB COUNTY and only for those Subcontractor agreements which WEBB COUNTY accepts by notifying Subcontractor and Contractor in writing; and
- 5.4.2. an assignment is subject to the prior rights of the Surety, if any, obligated under bond relating to the Contract.
- 5.4.3. upon any such assignment, if the Work has been suspended for more than thirty (30) calendar days, Subcontractor's compensation equally shall be adjusted for increase in cost resulting from the suspension.

ARTICLE VI. CONSTRUCTION BY WEBB COUNTY OR BY SEPARATE CONTRACTS

6.1. WEBB COUNTY'S RIGHT TO PERFORM CONSTRUCTION AND TO AWARD SEPARATE CONTRACTS

- 6.1.1. WEBB COUNTY reserves the right to perform construction or operations related to the Project with WEBB COUNTY's own forces and to award separate contracts in connection with other portions of the Project or other construction or operations on the Site under General Conditions of the Contract identical or substantially similar to these. If Contractor claims that a delay or additional cost is involved, due to such action by WEBB COUNTY, Contractor shall make a Claim as provided in **Section 4.3** herein.
- 6.1.2. When separate contracts are awarded for different portions of the Project or for other construction or operations on the Project Site, the term "Contractor" in the Contract Documents in each case shall mean the Contractor that executes each separate WEBB COUNTY Contractor contract.
- 6.1.3. WEBB COUNTY shall provide for coordination of the activities of WEBB COUNTY's own forces and of each separate contractor with the Work of Contractor and Contractor fully shall cooperate with said coordination. Contractor shall participate with other separate contractors and WEBB COUNTY in reviewing all construction schedules when directed by WEBB COUNTY to do so. Contractor shall make any revisions to its construction schedule deemed necessary after said joint review and mutual agreement. The revised construction schedules then shall constitute the schedules to be used by Contractor, separate contractors and WEBB COUNTY until subsequently revised.
- 6.1.4. Unless otherwise provided in the Contract Documents, when WEBB COUNTY

Exhibit "D"

Webb County General Conditions
Webb County HVAC Upgrades (JP Precinct 2, Place 2)

and WEBB COUNTY's own forces perform construction or operation related to the Project, WEBB COUNTY shall be subject to the same obligations and to have the same rights that apply to Contractor under these General Conditions and the Contract Documents.

6.2. MUTUAL RESPONSIBILITY

- 6.2.1. Contractor shall afford WEBB COUNTY and WEBB COUNTY's separate contractor(s) reasonable opportunity for the introduction and storage of materials and equipment, the performance of their activities and the coordination of Contractor's construction and operations with theirs, as required by the Contract Documents.
- 6.2.2. If part of Contractor's Work depends upon the construction or operations by WEBB COUNTY or a separate contractor for the proper execution or results, Contractor shall, prior to proceeding with that portion of the Work, promptly report to WEBB COUNTY apparent discrepancies or defects in such other construction that would render it unsuitable for such proper execution and results. Failure of Contractor to so report shall constitute an acknowledgment that WEBB COUNTY's separate contractor's completed or partially completed construction is fit and proper to receive Contractor's Work, except as to defects not then reasonably discoverable.
- 6.2.3. WEBB COUNTY shall be reimbursed by Contractor for costs incurred by WEBB COUNTY which are payable to a separate contractor because of delays, improperly timed activities or defective construction of Contractor. WEBB COUNTY shall be responsible to Contractor for costs incurred by Contractor because of delays, improperly timed activities and damage to the Work or defective construction of WEBB COUNTY's separate contractor(s).
- 6.2.4. Contractor promptly shall remedy any damage wrongfully caused by Contractor or its Subcontractor(s) to any completed or partially completed construction or to property of WEBB COUNTY or WEBB COUNTY's separate contractor(s), as provided in **Section 10.2.5** herein.
- 6.2.5. WEBB COUNTY and each separate contractor shall have the same responsibilities for cutting and patching as are described for Contractor in **Section 3.14** herein.

6.3. WEBB COUNTY'S RIGHT TO CLEAN UP

If a dispute arises among or between Contractor, WEBB COUNTY's separate contractor(s) and WEBB COUNTY, as to the responsibility under their respective contracts for maintaining the premises and surrounding area free from waste materials and rubbish, WEBB COUNTY may clean up and those costs shall be allocated amongst those parties responsible.

ARTICLE VII. CHANGES IN THE WORK

7.1. GENERAL

- 7.1.1. Changes in the Work may be accomplished, after the execution of the Contract and without invalidating the Contract, by Change Order, Field Work Directive/Force Account or order for a minor change in the Work that does not affect the Contract Time or the Contract Sum, subject to the limitations stated in this **Article VII** and elsewhere in the Contract Documents.
- 7.1.2. A Change Order shall be based upon agreement between WEBB COUNTY and Contractor; a Field Work Directive requires a directive by WEBB COUNTY and, if necessary, Design Consultant and may or may not be agreed to by Contractor; and an order for a minor change in the Work that does not affect the Contract Time or the Contract Sum may be issued by WEBB COUNTY.
- 7.1.3. Changes in the Work shall be performed under applicable provisions of the Contract Documents and Contractor promptly shall proceed with the changed Work, unless otherwise provided in a Change Order, Field Work Directive or order for a minor change in the Work or in this **Article VII**.
- 7.1.4. Changes resulting from Change Orders, Field Work Directives or orders for minor changes shall be recorded by Contractor on the As-Built record documents.

7.2. CHANGE ORDERS

- 7.2.1. A Change Order is a written modification of the Contract signed by both WEBB COUNTY and Contractor (and approved by WEBB COUNTY COMMISSIONERS COURT, if required) that authorizes an addition, deletion or revision in the Work or an adjustment in the Contract Sum or the Contract Times and is issued on or after the Effective Date of the Contract.
- 7.2.2. Methods used in determining adjustments to the Contract Sum may include those listed in **Section 7.3.4** herein.
- 7.2.3. Acceptance of a Change Order by Contractor shall constitute a full accord and satisfaction for any and all claims and costs of any kind, whether direct or indirect, including, but not limited to impact, delay or acceleration damages arising from the subject matter of the Change Order. Each Change Order shall be specific and final as to prices and any extensions of time, with no reservations or other provisions allowing for future additional money or time as a result of the particular changes identified and fully compensated in the Change Order. The execution of a Change Order by Contractor shall constitute conclusive evidence of Contractor's agreement to the ordered changes in the Work, cost and additional time, if any. This Contract, as amended, forever

releases any Claim against WEBB COUNTY for additional time or compensation for matters relating to or arising out of or resulting from the Work included within or affected by the executed Change Order. This release of any Claim applies to Claims related to the cumulative impact of all Change Orders and to any Claim related to the effect of a change on unchanged Work.

724. WEBB COUNTY or Design Consultant shall prepare Change Orders and Field Work Directives and shall have authority to order minor changes in the Work not involving an adjustment in the Contract Sum or an extension of the Contract Time. Such changes shall be effected by written order, which Contractor promptly shall carry out and record on the As-Built record documents.

725. Contractor and Subcontractors shall be entitled to include overhead and profit in any Change Order only as provided by Project Specifications.

7.3. FIELD WORK DIRECTIVES

731. A Field Work Directive is a written directive signed by WEBB COUNTY and, if necessary, Design Consultant directing a change in the Work prior to agreement on an adjustment, if any, in the Contract Sum or Contract time, or both. WEBB COUNTY may, by Field Work Directive and without invalidating the Contract, order changes in the Work within the general scope of the Contract consisting of additions, deletions or other revisions, with any changes to the Contract Sum and/or the Contract Time to be adjusted according to the terms of this **Section 7.3**.

732. A Field Work Directive shall be used in the absence of total agreement on the terms of a Change Order. WEBB COUNTY shall issue a Field Work Directive to Contractor with a defined Not-To-Exceed dollar amount for the scope of Work defined.

733. Upon receipt of a Field Work Directive, Contractor promptly shall proceed with the change in the Work involved and, in writing, advise WEBB COUNTY of the Contractor's agreement or disagreement with the method, if any, provided in the Field Work Directive for determining the proposed adjustment in the Contract Sum or Contract Time.

734. If the Field Work Directive provides for an adjustment to the Contract Sum, the adjustment shall be based on one of the following methods, as applicable:

7.3.4.1. mutual acceptance of a lump sum properly itemized and supported by sufficient substantiating data to permit evaluation;

7.3.4.2. prices, including unit prices, stated in the Contract Documents or subsequently agreed upon;

- 7.3.4.3. cost to be determined in a manner agreed upon by WEBB COUNTY and Contractor and a mutually acceptable fixed or percentage fee; or
 - 7.3.4.4. as provided in **Section 7.3.6** herein.
735. If Contractor does not respond promptly or disagrees with the method for adjustment in the Contract Sum, the method and the adjustment shall initially be determined by Design Consultant on the basis of reasonable costs and savings attributable to the change including, in case of an increase in the Contract Sum, as applicable, a reasonable allowance for overhead and profit. In such case, and also under **Section 7.3.4.3** herein, Contractor shall keep and present, in such form as WEBB COUNTY may prescribe, an itemized and detailed accounting together with appropriate supporting data. Unless otherwise provided in the Contract Documents, costs for the purposes of this **Section 7.3.5** shall be limited to the following:
- 7.3.5.1. costs of all labor, including social security, and unemployment insurance, fringe benefits required by Law, agreement or custom, and workers' compensation insurance;
 - 7.3.5.2. costs of all materials, supplies and equipment, including cost of transportation, storage installation, maintenance, dismantling and removal, whether incorporated or consumed;
 - 7.3.5.3. rental costs of all machinery and equipment, exclusive of hand tools, whether rented from Contractor or others, including costs of transportation, installation, minor repairs and replacements, dismantling and removal;
 - 7.3.5.4. expenses incurred in accordance with Contractor's standard personnel policy for travel approved in writing by WEBB COUNTY in advance;
 - 7.3.5.5. costs of premiums for all bonds and insurance, permit fees and allowable sales, use or similar taxes related to the Work;
 - 7.3.5.6. all additional costs of supervision and field office personnel directly attributable to the change; and
 - 7.3.5.7. all payments made by the Contractor to Subcontractors.
736. The amount of credit to be allowed by Contractor to WEBB COUNTY for a deletion or change which results in a net decrease in the Contract Sum shall be actual net cost of the deleted or change Work, plus Contractor's allocated percent for profit and overhead, as confirmed by Design Consultant, subject to

any equitable adjustment recommended by Design Consultant and approved by WEBB COUNTY. When both additions and credits covering related Work or substitutions are involved in a change, the allowance for overhead and profit shall be figured on the basis of net increase or decrease, if any, with respect to that change.

737. If WEBB COUNTY and Contractor agree with the determination made by Design Consultant concerning the adjustments in the Contract Sum and Contract Time, or otherwise reach agreement upon the adjustments, such agreement shall be effective immediately and shall be recorded by preparation and execution of an appropriate Change Order.

738. If WEBB COUNTY and Contractor cannot reach an agreement on either an adjustment on the Contract Sum and Contract Time, pursuant to an issued Field Work Directive, WEBB COUNTY and Contractor shall execute a Change Order for the adjustment on the Contract Sum or Contract Time, if any, the Parties do agree upon for the Work performed and Contractor reserves the right to file a Claim for any disagreements in Contract Sum or Contract Time not addressed in the Change Order, pursuant to **Section 4.4** herein. If WEBB COUNTY and Contractor cannot agree on both the adjustment in the Contract Sum and the Contract Time associated with an issued Field Work Directive, WEBB COUNTY unilaterally shall file a Change Order listing WEBB COUNTY's adjustment in the Contract Sum and/or Contract Time and Contractor reserves the right to file a Claim for payment and/or time, pursuant to **Section 4.4** herein.

7.4. MINOR CHANGES TO THE WORK

WEBB COUNTY or Design Consultant both shall have authority to order minor changes in the Work not involving adjustment in the Contract Sum or extension of the Contract Time and not inconsistent with the intent of the Contract Documents. Such changes shall be effected by written order and shall be binding on WEBB COUNTY and Contractor. Contractor promptly shall carry out such written orders and record such changes in the As-Built drawings.

7.5. TIME REQUIRED TO PROCESS CHANGE ORDERS

751. All responses by Contractor to proposal requests from WEBB COUNTY or Design Consultant shall be accompanied by a complete itemized breakdown of costs. Responses to proposal requests shall be submitted sufficiently in advance of the required work to allow WEBB COUNTY and Design Consultant a minimum of thirty (30) calendar days after receipt by WEBB COUNTY to review the itemized breakdown and to prepare or distribute additional documents as may be necessary. Each of Contractor's responses to proposal requests shall include a statement that the cost and additional time described and requested in Contractor's response represents the complete, total and final cost and additional Contract Time associated with the extra work, change,

addition to, omission, deviation, substitution or other grounds for seeking extra compensation or additional time under the Contract Documents, without reservation or further recourse.

752. All Change Orders require written approval by either WEBB COUNTY or WEBB COUNTY COMMISSIONERS COURT. The approval process requires a minimum of forty-five (45) calendar days after submission to WEBB COUNTY in final form with all supporting data. Receipt of a submission by WEBB COUNTY does not constitute acceptance or approval of a proposal, nor does it constitute a warranty that the proposal shall be authorized by WEBB COUNTY or WEBB COUNTY COMMISSIONERS COURT Resolution or Administrative Action. **THE TIME REQUIRED FOR THE APPROVAL PROCESS SHALL NOT BE CONSIDERED A DELAY AND NO EXTENSIONS TO THE CONTRACT TIME OR INCREASE IN THE CONTRACT SUM SHALL BE CONSIDERED OR GRANTED AS A RESULT OF THIS PROCESS.** Pending the approval of a Change Order as described above, Contractor shall proceed with the work under a pending Change Order only if directed in writing to do so by WEBB COUNTY.

ARTICLE VIII. TIME

8.1. PROGRESS AND COMPLETION

- 8.1.1. TIME LIMITS STATED IN THE CONTRACT DOCUMENTS ARE OF THE ESSENCE OF THE CONTRACT. By executing the Contract, Contractor confirms that the Contract Time is a reasonable period for performing the Work.
- 8.1.2. Contractor shall proceed with the Work expeditiously using adequate forces and shall achieve Substantial Completion within the Contract Time.
- 8.1.3. For Projects not affecting WEBB COUNTY traffic, a determination made solely by WEBB COUNTY on a project-by-project basis, and a Working Day, as defined in **Section 1.1.1** herein, is measured from sunrise to sundown Monday through Friday, nothing in this **Article VIII** shall be construed as prohibiting Contractor from working on Saturdays if it so desires and giving WEBB COUNTY at least the prerequisite forty-eight (48) hours written notice of intent to perform Work on Saturday, Sunday and holidays so that WEBB COUNTY's representative may be scheduled to observe/inspect said Work and only if Contractor has performed work on the Project during the same week of the requested Saturday, Sunday or holiday.
- 8.1.4. On Projects affecting WEBB COUNTY traffic, a determination made solely by WEBB COUNTY on a project-by-project basis, Contractor shall work sunrise to sundown Monday through Saturday.

8.2. DELAYS AND EXTENSIONS OF TIME

- 82.1. Neither WEBB COUNTY nor Contractor, except as provided for in this **Section 8.2**, shall be liable to the other for any delay to Contractor's Work by reason of fire, act of God, riot, strike or any other cause beyond WEBB COUNTY's control. Should any of these listed factors delay the Work's critical path, as evidenced by a Time Impact Analysis developed by Contractor and verified by Design Consultant, Program Manager and WEBB COUNTY, Contractor shall receive an extension of the Contract Times equal to the delay if a written claim is made within five (5) calendar days of the delaying event and granted by WEBB COUNTY. Under no circumstances shall WEBB COUNTY be liable to pay Contractor any compensation for such delays. Note that any request for an extension of time due to delays or disruption caused by unusually severe weather are addressed in **Section 4.3.6.2** herein.
- 82.2. Should Contractor be delayed solely by the act, negligence or default of WEBB COUNTY or Design Consultant, and should any of these factors delay the Project's critical path, as evidenced by a Time Impact Analysis developed by Contractor and verified by Design Consultant, Program Manager and WEBB COUNTY, Contractor shall receive an extension of the Contract Time equal to the verified delay or portion thereof if a written claim is made within five (5) calendar days of the act, negligence or default of WEBB COUNTY or Design Consultant and granted by WEBB COUNTY. In addition, Contractor, upon timely notice to WEBB COUNTY, with substantiation by WEBB COUNTY and Design Consultant and upon approval of WEBB COUNTY, shall be compensated for its Project facilities and field management expenses on a per diem basis (said per diem includes the costs incurred by Contractor to administer its Work and does not include costs associated for any tier of Subcontractor or supplier to administer their Work. Compensation for Subcontractor's and supplier's compensable delay affecting the Project critical path shall be separate and apart from the per diem cost due and payable to the Contractor) for the particular Project delayed and for the period of the critical path delay attributable to a WEBB COUNTY caused event. In no event shall Contractor be entitled to home office or other off-site expenses or damages.
- 82.3. Claims relating to time shall be made in accordance with applicable provisions of **Section 4.3** herein.
- 82.4. This Contract does not permit the recovery of damages by Contractor for delay, disruption or acceleration, other than those described in **Section 8.2.2** herein, as provided under **Section 4.3.11(3)** herein and those justified by a Time Impact Analysis. Contractor agrees that it fully shall be compensated for all delays solely by an extension of non-compensatory time or as contemplated in **Section 8.2.2** herein.

ARTICLE IX. PAYMENTS AND COMPLETION

9.1. CONTRACT SUM

The Contract Sum is stated in the Contract and, including authorized adjustments, is the total maximum not-to-exceed amount payable by WEBB COUNTY to Contractor for performance of the Work under the Contract Documents. Contractor accepts and agrees that all payments pursuant to this Contract are subject to the availability and appropriation of funds by the WEBB COUNTY COMMISSIONERS COURT. If funds are not available and/or appropriated, this Contract shall immediately be terminated with no liability to any Party to this Contract.

92. SCHEDULE OF VALUES

- 92.1. A Schedule of Values for all of the Work shall be submitted by Contractor and shall include quantities and prices of items which, when added together, equal a contract Price and subdivides the Work into component parts in sufficient detail to serve as the basis for progress payments during performance of the Work. Where applicable, overhead and profit shall be included as a separate line item.
- 92.2. Before the first Application for Payment, Contractor shall submit to WEBB COUNTY and Design Consultant a schedule of values allocated to various portions of the Work, prepared in such form and supported by such data to substantiate its accuracy as WEBB COUNTY and Design Consultant may require. This schedule, unless objected to by Design Consultant or WEBB COUNTY, shall be used as a basis for reviewing Contractor's Applications for Payment.

93. APPLICATIONS FOR PAYMENT

- 93.1. Contractor shall submit Applications for Payment to WEBB COUNTY electronically, at minimum, every thirty (30) days throughout the duration of the Project. Contractor electronically shall attach to its Application for Payment all data substantiating Contractor's right to payment as WEBB COUNTY or Design Consultant may require, such as copies of requisitions from Subcontractors and material suppliers reflecting retainage, if provided for in the Contract Documents, and reflecting a deduction for Liquidated Damages, if applicable. Applications for Payment shall not include requests for payment for portions of the Work which Contractor does not intend to pay to a Subcontractor or material supplier, unless such Work has been performed by others whom Contractor intends to pay.
- 93.2. Unless otherwise provided in the Contract Documents, payments shall be made on account of materials and equipment delivered and suitably stored at the Site for subsequent incorporation in the Work and verified by WEBB COUNTY. If approved in advance in writing by WEBB COUNTY, payment similarly may be made for materials and equipment suitably stored off the Site at a location agreed upon in writing and verified by WEBB COUNTY. Payment for materials and equipment stored on or off the Site shall be conditioned upon

compliance by Contractor with procedures reasonably satisfactory to WEBB COUNTY to establish WEBB COUNTY's title to such materials and equipment or otherwise protect WEBB COUNTY's interest. Contractor solely shall be responsible for payment of all costs of applicable insurance, storage and transportation to the site for materials and equipment stored off the site.

933. Contractor warrants that, upon submittal of an Application for Payment, all Work for which payment previously has been received from WEBB COUNTY shall, to the best of Contractor's knowledge, information and belief, be free and clear of liens, claims, security interests or encumbrances in favor of Contractor, Subcontractors, material suppliers or other persons or entities making a claim by reason of having provided labor, materials and equipment relating to the Work. **CONTRACTOR SHALL INDEMNIFY AND HOLD WEBB COUNTY HARMLESS FROM ANY LIENS, CLAIMS, SECURITY INTEREST OR ENCUMBRANCES FILED BY CONTRACTOR, SUBCONTRACTORS OR ANYONE CLAIMING BY, THROUGH OR UNDER CONTRACTOR OR SUBCONTRACTOR(S) FOR ITEMS COVERED BY PAYMENTS MADE BY WEBB COUNTY TO CONTRACTOR.**

934. By submission of an Application for Payment, Contractor certifies that there are no known liens or bond claims outstanding as of the date of said Application for Payment, that all due and payable bills with respect to the Work have been paid to date or are included in the amount requested in the current application and, except for such bills not paid but so included, there is no known basis for the filing of any liens or bond claims relating to the Work and that releases from all Subcontractors and Contractor's material men have been obtained in such form as to constitute an effective release of lien or claim under the laws of the State of Texas covering all Work theretofore performed and for which payment has been made by WEBB COUNTY to Contractor; provided if any of the foregoing is not true and cannot be certified, Contractor shall revise the certificate as appropriate and identify all exceptions to the requested certifications.

94. PAY APPLICATION APPROVAL

94.1. Design Consultant shall, within five (5) business days after the electronic receipt of Contractor's Application for Payment either approve the Application for Payment or reject the Application for Payment and state on the electronic notification to Contractor and WEBB COUNTY the Design Consultant's reasons for withholding approval, as provided in **Section 9.5.1** herein.

94.2. The certification of an Application for Payment shall constitute a representation by Design Consultant to WEBB COUNTY, based on Design Consultant's evaluation of the Work and the data comprising the Application for Payment, that the Work has progressed to the point indicated and that, to the best of Design Consultant's knowledge, information and belief, the quality of the Work is in accordance with the Contract Documents. The foregoing representations

are subject to an evaluation of the Work for conformance with the Contract Documents upon Substantial Completion, to results of subsequent tests and inspections, to correction of minor deviations from the Contract Documents prior to completion and to any specific qualifications expressed by Design Consultant. The issuance of a Certificate for Payment further shall constitute a representation that Contractor is entitled to payment in the amount certified. However, the issuance of a Certificate for Payment shall not be a representation Design Consultant has:

- (1) made exhaustive or continuous on-site inspections to check the quality or quantity of the Work;
- (2) reviewed construction means, methods, techniques, sequences or procedures;
- (3) reviewed copies of requisitions received from Subcontractors and material suppliers and other data requested by WEBB COUNTY to substantiate Contractor's right to payment; or
- (4) made an examination to ascertain how or for what purpose Contractor has used money previously paid on account of the Contract Sum.

95. DECISIONS TO REJECT APPLICATION FOR PAYMENT

95.1. The Application for Payment may be rejected to protect WEBB COUNTY for any of the following reasons:

- 9.5.1.1. Work not performed or defective;
- 9.5.1.2. third party claims filed or reasonable evidence indicating a probable filing of such claims for which Contractor is responsible hereunder unless security acceptable to WEBB COUNTY is provided by Contractor;
- 9.5.1.3. failure of Contractor to make payments properly to Subcontractors or for labor, materials or equipment;
- 9.5.1.4. reasonable evidence that the Work cannot be completed for the unpaid balance of the Contract Sum and Contractor has failed to provide WEBB COUNTY adequate assurance of its continued performance within a reasonable time after demand;
- 9.5.1.5. damage to WEBB COUNTY or another contractor;
- 9.5.1.6. reasonable evidence that the Work shall not be completed within the Contract Time, and that the unpaid balance would not be

adequate to cover actual or Liquidated Damages for the anticipated delay;

- 9.5.1.7. persistent failure by Contractor to carry out the Work in accordance with the Contract Documents;
- 9.5.1.8. the applicable Liquidated Damages were not included in the Application for Payment;
- 9.5.1.9. billing for unapproved/unverified materials stored off Site; or
- 9.5.1.10. a current schedule update has not been submitted by Contractor.

952. WEBB COUNTY shall not be deemed in default by reason of rejecting Application for Payment as provided for in **Section 9.5.1** herein.

9.6. PROGRESS PAYMENTS

- 961. After the final approval of the Application for Payment, WEBB COUNTY may make payment in the manner and within the time provided in the Contract Documents.
- 962. During the latter part of each month, as the Work progresses on all WEBB COUNTY Contracts regardless of Contract Sum, WEBB COUNTY and Contractor shall determine the cost of the labor and materials incorporated into the Work during that month and actual invoiced cost of Contractor-acquired materials stored on the Project Site, and/or within off-site storage facilities either owned or leased by Contractor. Upon receipt of a complete and mathematically accurate Application for Payment from Contractor, WEBB COUNTY shall make payments, in accordance with **Article IX** herein, to Contractor within thirty (30) calendar days. Installments shall be paid to Contractor at the rate of ninety-five percent (95%) of each monthly invoice within thirty (30) calendar days of WEBB COUNTY receipt of a complete and mathematically accurate Application for Payment from the Contractor, and the retainage held until Final Completion shall be five percent (5%).
- 963. WEBB COUNTY's payment of installments shall not, in any way, be deemed to be a final acceptance by WEBB COUNTY of any part of the Work, shall not prejudice WEBB COUNTY in the final settlement of the Contract account or shall not relieve Contractor from completion of the Work herein provided.
- 964. Contractor shall, within ten (10) calendar days following receipt of payment from WEBB COUNTY, pay all bills for labor and materials performed and furnished by others in connection with the construction, furnishing and equipping of the improvements and the performance of the work, and shall, if requested, provide WEBB COUNTY with written evidence of such payment. Contractor's failure to make payments or provide written evidence of such payments within such time shall constitute a material breach of this contract,

unless Contractor is able to demonstrate to WEBB COUNTY bona fide disputes associated with the unpaid Subcontractor(s) or supplier(s) and its/their work. Contractor shall include a provision in each of its subcontracts imposing the same written documentation of payment obligations on its Subcontractors as are applicable to Contractor hereunder, and if WEBB COUNTY so requests, shall provide copies of such Subcontractor payments to WEBB COUNTY. If Contractor has failed to make payment promptly to Contractor's Subcontractors or for materials or labor used in the Work for which WEBB COUNTY has made payment to the Contractor, WEBB COUNTY shall be entitled to withhold payment to Contractor to the extent necessary to protect WEBB COUNTY.

- 965. WEBB COUNTY and/or Design Consultant shall, if practicable and upon request, furnish to Subcontractor information regarding percentages of completion or amounts applied for by Contractor and action taken thereon by WEBB COUNTY and Design Consultant on account of portions of the Work done by such Subcontractor.
- 966. Neither WEBB COUNTY nor Design Consultant shall have an obligation to pay or to see to the payment of money to a Subcontractor, except as may otherwise be required by law, if any.
- 967. Payments to material suppliers shall be treated in a manner similar to that provided in **Section 9.6.2**, **Section 9.6.3** and **Section 9.6.4** herein regarding Subcontractors.
- 968. A Certificate for Payment, a progress payment or a partial or entire use or occupancy of the Project by WEBB COUNTY shall not constitute acceptance of Work that was not performed or furnished in accordance with the Contract Documents.
- 969. Contractor shall, as a condition precedent to any obligation of WEBB COUNTY under this Contract, provide to WEBB COUNTY payment and performance bonds in the full penal amount of the Contract, in accordance with Texas Government Code Chapter 2253.

9.7. SUBSTANTIAL COMPLETION

- 971. Substantial Completion is defined as the stage in the progress of the Work when the Work – or a designated portion thereof, which WEBB COUNTY agrees to accept separately – sufficiently is complete, in accordance with the Contract Documents, so WEBB COUNTY may occupy or utilize the Work or a designated portion thereof for its intended use. In the event Substantial Completion is not achieved by the designated date, or the date extended by issued and accepted Change Order(s), WEBB COUNTY may withhold payment of sums necessary to pay the estimated Liquidated Damages due WEBB COUNTY. WEBB COUNTY shall be entitled, at any time, to deduct out of any sums due to Contractor any or all Liquidated Damages due WEBB COUNTY in accordance with the Contract between WEBB COUNTY and

Contractor.

972. When Contractor considers that the Work, or a portion thereof which WEBB COUNTY agrees to accept separately, is Substantially Complete, Contractor shall prepare and submit to WEBB COUNTY and Design Consultant a preliminary comprehensive list of items to be completed or corrected prior to Final Completion and final payment. Failure to include an item on such list does not alter the responsibility of the Contractor to complete all Work in accordance with the Contract Documents.

973. Upon receipt of Contractor's list of items to be completed or corrected, WEBB COUNTY and Design Consultant shall make a Site inspection to determine whether the Work or designated portion thereof is Substantially Complete. If WEBB COUNTY's or Design Consultant's inspection discloses any item, whether or not it was included on Contractor's list of items to be completed or corrected, which is not sufficiently complete or correct in accordance with the Contract Documents so that WEBB COUNTY may occupy or utilize the Work or designated portion thereof for its intended use, Contractor shall, before issuance of the Certificate of Substantial Completion, complete or correct such item upon written notification by WEBB COUNTY or Design Consultant. In such case, Contractor then shall submit a request for another inspection by WEBB COUNTY and Design Consultant to determine Substantial Completion and Contractor shall be responsible for all costs incurred and associated with re- inspection.

974. When the Work – or the designated portion thereof which WEBB COUNTY agrees to accept separately – is Substantially Complete, Design Consultant or WEBB COUNTY shall prepare a Certificate of Substantial Completion (Vertical Projects) or a Letter of Conditional Approval (Horizontal Projects) which shall:

- (1) establish the date of Substantial Completion (which shall be the date on which the Work met the requirements under the Contract Documents for Substantial Completion);
- (2) establish responsibilities of WEBB COUNTY and Contractor, as agreed to by WEBB COUNTY and Contractor, for security, maintenance, heat, utilities, damage to the Work and insurance; and
- (3) confirm the time limit by which Contractor shall complete all items on the list accompanying the Certificate.

Warranties required by the Contract Documents shall commence on the date of Substantial Completion of the Work, or the designated portion thereof, unless otherwise provided in the Certificate of Substantial Completion.

9.8. PARTIAL OCCUPANCY OR USE

- 98.1. WEBB COUNTY may occupy or use any completed or partially completed portion of the Work at any stage of the Work when such partially completed portion is designated by separate agreement with Contractor, provided such occupancy or use is consented to by the insurer, as required under **Section 11.2.5** herein and authorized by public authorities having jurisdiction over the Work. Such partial occupancy or use may commence whether or not the portion is Substantially Complete, provided WEBB COUNTY and Contractor have accepted in writing the responsibilities assigned to each of them for security, maintenance, heat, utilities, damage to the Work and insurance and have agreed in writing concerning the period for correction of the Work and commencement of warranties required by the Contract Documents. When Contractor considers a portion of the Work to be Substantially Complete, Contractor shall prepare and submit a list of items to be completed or corrected prior to Final Completion and final payment and submit such list to WEBB COUNTY and Design Consultant, as provided under **Section 9.8.2** herein. Consent of Contractor to partial occupancy or use shall not be unreasonably withheld. The state of the progress of the Work shall be determined by written agreement between WEBB COUNTY and Contractor or, if no agreement is reached, by the decision of Design Consultant.
- 98.2. Immediately prior to such partial occupancy or use, WEBB COUNTY, Contractor and Design Consultant collectively shall inspect the area to be occupied or portion of the Work to be used in order to determine and record the condition of the Work.
- 98.3. Unless expressly agreed upon in writing, partial occupancy or use of a portion or portions of the Work shall not constitute acceptance of Work not complying with the requirements of the Contract Documents.
- 98.4. Upon such partial occupancy or use, and upon Substantial Completion, WEBB COUNTY may assume responsibility for maintenance, security and insuring that portion of the Work that it has put into use.
- 98.5. Partial occupancy or use by WEBB COUNTY does not constitute substantial completion and does not start any warranty period(s).

9.9. FINAL COMPLETION AND FINAL PAYMENT

- 99.1. When all of the Work finally is completed and ready for final inspection, Contractor shall notify WEBB COUNTY and Design Consultant thereof in writing. Thereupon, WEBB COUNTY and Design Consultant shall make final inspection of the Work and, if the Work is complete in full accordance with this Contract and this Contract has been fully performed, the final Application for Payment may be submitted. If WEBB COUNTY and Design Consultant are unable to approve the final Application for Payment for

reasons for which Contractor is responsible and WEBB COUNTY and Design Consultant are required to repeat a final inspection of the Work, Contractor shall be responsible for all costs incurred and associated with such repeat final inspection(s) and said costs may be deducted by WEBB COUNTY from the Contractor's retainage.

992. Contractor shall not be entitled to payment of retainage unless and until it submits to WEBB COUNTY its affidavit that the payrolls, invoices for materials and equipment, and other liabilities, to include Liquidated Damages, connected with the Work for which WEBB COUNTY or WEBB COUNTY's property might be responsible fully have been paid or otherwise satisfied or shall be paid from final payment; releases and waivers of liens from all Subcontractors of Contractor and of any and all other parties required by Design Consultant or WEBB COUNTY that either are unconditional or conditional on receipt of final payment; Certificates of insurance showing continuation of required insurance coverage; such other documents as WEBB COUNTY may request; and consent of Surety to final payment. A Retainage Checklist shall be provided by WEBB COUNTY to Contractor upon request.

993. If, after Substantial Completion of the Work, Final Completion of the Work materially is delayed through no fault of Contractor nor by Issuance of Change Orders affecting Final Completion of the Work, and Design Consultant so confirms, WEBB COUNTY shall, upon application by Contractor and certification by Design Consultant and without terminating the Contract, make payment of the balance due Contractor for that portion of the work fully completed and accepted. If the remaining balance for Work not fully completed or corrected is less than retainage stipulated in the Contract Documents, and if bonds have been furnished, the written consent of Surety to payment of the balance due for that portion of the Work fully completed and accepted shall be submitted by Contractor to Design Consultant, prior to certification of such payment. Such payment shall be made under the terms and conditions governing final payment, except that it shall not constitute a waiver of claims.

994. Request for final payment by Contractor shall constitute a waiver of all claims against WEBB COUNTY, except those previously made in writing and identified by that payee as unsettled at the time of final Application for Payment.

9.10. ADDITIONAL INSPECTIONS

In addition to any Liquidated Damages accrued by and payable to WEBB COUNTY by Contractor, WEBB COUNTY shall be entitled to deduct from the Contract Sum amounts due to Contractor by WEBB COUNTY to compensate Design Consultant for any additional inspections or services provided by Design Consultant, provided Design Consultant undertook these additional inspections or services due to the fault or negligence of Contractor if:

- (1) Design Consultant is required to make more than one inspection to determine if Substantial Completion has been achieved by Contractor;
- (2) Design Consultant is required to make more than one inspection to determine if Final Completion has been achieved by Contractor; or
- (3) the Work is not substantially complete within thirty (30) calendar days after the date established for the Work's Substantial Completion, as stated in the Contract Documents.

ARTICLE X. PROTECTION OF PERSONS AND PROPERTY

10.1. SAFETY PRECAUTIONS AND PROGRAMS

- 10.1.1. Contractor shall be responsible for initiating, maintaining and supervising all safety precautions and programs in connection with the performance of the Contract. Contractor shall develop a safety program applicable to each job site and to the Work to be done and enforce such program at all times. Further, Contractor shall comply with all applicable laws and regulations including, but not limited to, the standards and regulations promulgated by the Secretary of Labor under the Occupational Safety and Health Act of 1970 (OSHA) and any other legislation enacted for the safety and health of Contractor employees. WEBB COUNTY shall have the right, but not the obligation, to inspect and verify Contractor's compliance with Contractor's responsibility for protecting the safety and health of its employees and Subcontractor.
- 10.1.2. Contractor shall notify WEBB COUNTY immediately, by telephone with prompt confirmation in writing, of all injuries and fatalities including, but not limited to, copies of all reports and other documents filed or provided to Contractor's insurers and the State of Texas in connection with such injuries or fatalities.
- 10.1.3. Contractor has adopted or shall adopt its own policy to assure a drug and alcohol free work place while performing the Work. Contractor's employees, agents, and Subcontractors shall not perform any service for WEBB COUNTY while under the influence of alcohol or any controlled substance. Contractor, its employees, agents and Subcontractors shall not use, possess, distribute or sell illegal, illicit and/or prescribed controlled drugs or drug paraphernalia or misuse legitimate prescription drugs while on Site or performing the Work. Contractor, its employees, agents and Subcontractors shall not use, possess, distribute or sell alcoholic beverages while performing the Work or while on Site or performing the Work. Contractor shall remove any of its employees or Subcontractor employees from performing the Work or from the Site any time there is suspicion of alcohol and/or drug use, possession or impairment involving such employee and at any time an incident occurs where drug or alcohol use could have been a contributing factor. WEBB COUNTY has the right to require Contractor to remove employees or Subcontractor employees from performing the Work or from the Site any time cause exists to suspect

alcohol or drug use. In such cases, Contractor's or Subcontractor's employees only may be considered for return to work after Contractor certifies, as a result of a for-cause test conducted immediately following a removal, said employee was in compliance with this Contract. Contractor shall not employ any individual, or shall not accept any Subcontractor employees, to perform the Work who either refuses to take or tests positive in any alcohol or drug test.

- 101.4. Contractor shall comply with all applicable federal, state and local drug and alcohol related laws and regulations (e.g., Department of Transportation regulations, Department of Defense Drug-free Work-free Workforce Policy, Drug-Free Workplace Act of 1988). The presence of any firearms or other lethal weapons by any person is prohibited on the Project site, regardless of whether there exists a valid permit for carrying a weapon.
- 101.5. Both WEBB COUNTY and Contractor agree that these safety and health terms are of the highest importance and that a breach or violation of any of the terms of this **Section X** by Contractor or a Subcontractor shall be a material and substantial breach of this Contract. In the event that WEBB COUNTY shall determine that Contractor has breached or violated the terms of this Section, then WEBB COUNTY shall determine, immediately upon written notice to Contractor, whether the Work shall be suspended as a result thereof. If the Work is suspended, the Work shall not recommence until WEBB COUNTY is satisfied that the safety provisions hereof shall not be breached or violated thereafter. If WEBB COUNTY terminates the Contract as a result of such breach or violation, WEBB COUNTY and Contractor shall complete their obligations hereunder to one another in accordance with **Article XIII** herein.
- 101.6. Nothing contained in this **Article X** shall be interpreted as creating or altering the legal duty of WEBB COUNTY to Contractor or to Contractor's agents, employees, Subcontractors or third parties, or altering the status of Contractor as an independent contractor.
- 101.7. Notwithstanding either of the above provisions, or whether WEBB COUNTY exercises its rights set forth herein, WEBB COUNTY neither warrants nor represents to Contractor, Contractor's employees or agents, any Subcontractors or any other third party that Contractor's safety policy meets the requirements of any applicable law, code, rule or regulation, nor does WEBB COUNTY warrant that the proper enforcement of Contractor's policy shall insure that no accidents or injuries shall occur. In addition, any action by WEBB COUNTY under these provisions in no way diminishes any of Contractor's obligations under applicable law or the contract documents.

10.2. SAFETY OF PERSONS AND PROPERTY

1021. Contractor shall take reasonable precautions for the safety of and shall provide reasonable protection to prevent damage, injury or loss to:

- 10.2.1.1. employees performing the Work and other persons who may be affected thereby;
 - 10.2.1.2. the Work and materials and equipment to be incorporated therein, whether in storage on or off the site, under the care, custody or control of Contractor or Contractor's Subcontractors or Sub-Subcontractors;
 - 10.2.1.3. other property at the site or adjacent thereto, such as trees, shrubs, lawns, walks, pavements, roadways, structures and utilities not designated for removal, relocation or replacement in the course of Construction; and
 - 10.2.1.4. the contents of a building or structure, when Contractor is working in, on or around an existing/operating WEBB COUNTY facility.
1022. Contractor shall give notices and comply with applicable laws, ordinances, rules, regulations and lawful orders of public authorities bearing on safety of persons or property or their protection from damage, injury or loss.
1023. Contractor shall erect and maintain, as required by existing conditions and performance of the Contract, reasonable safeguards for safety and protection, including posting danger signs and other warnings against hazards, promulgating safety regulations and notifying WEBB COUNTY and users of adjacent sites and utilities.
1024. When use or storage of explosives or other hazardous materials or equipment or unusual methods are necessary for the execution of the Work, Contractor shall exercise extraordinary care and shall carry on such activities under the direct supervision of properly qualified personnel. Prior to the use of any explosives, Contractor shall submit a written blasting plan, shall obtain WEBB COUNTY's approval and shall comply with WEBB COUNTY's requirements for such use.
1025. Contractor shall designate a responsible member of Contractor's organization at the site whose duty shall be the prevention of accidents. This person shall be Contractor's superintendent unless otherwise designated by Contractor in writing to WEBB COUNTY and Design Consultant.
1026. Contractor shall not load or permit any part of the construction or site to be loaded so as to endanger its safety.
1027. Notwithstanding the delivery of a survey or other documents by WEBB COUNTY, Contractor shall use reasonable efforts to perform all Work in such a manner so as to avoid damaging any utility lines, cables, pipes or pipelines on the property. Contractor acknowledges and accepts that the location of

underground utilities (both public and private) reflected on any WEBB COUNTY provided Plans are not guaranteed and may not be completely accurate. Contractor shall locate and verify any and all utilities and associated service lines prior to beginning any Work. Contractor shall be responsible for and shall repair, at Contractor's own expense, any damage done to lines, cables, pipes and pipelines identified or not identified to Contractor.

10.3. EMERGENCIES

1031. In an emergency affecting safety of persons or property, Contractor shall exercise its best efforts to act to prevent or minimize threatened damage, injury or loss. Additional compensation or extension of time claimed by Contractor on account of an emergency shall be determined, as provided in **Section 4.3** and **Article VII** herein.
1032. If Contractor causes damage resulting in an issue of safety and/or security to a property WEBB COUNTY, Contractor immediately shall repair any damage caused. If Contractor does not or shall not act immediately to repair the damage caused by Contractor to eliminate the resulting safety and/or security issue(s), WEBB COUNTY shall act to repair the damage caused and deduct all costs associated with the repair from any money due Contractor.

10.4. PUBLIC CONVENIENCE AND SAFETY

1041. Contractor shall place materials stored at the Project site and shall conduct the Work at all times in a manner that causes no greater obstruction to the public than is considered necessary by WEBB COUNTY. Sidewalks or streets shall not be obstructed, except by special permission of WEBB COUNTY. Materials excavated and construction materials or plants used in the performance of the Work shall be placed in a manner that does not endanger the Work or prevent free access to all fire hydrants, water mains and appurtenances, water valves, gas valves, manholes for the telephone, telegraph signal or electric conduits, wastewater mains and appurtenances and fire alarm or police call boxes in the vicinity.
1042. WEBB COUNTY reserves the right to remedy any neglect on the part of Contractor, in regard to public convenience and safety, which may come to WEBB COUNTY's attention after twenty-four (24) hours notice in writing to Contractor. In case of an emergency, WEBB COUNTY shall have the right immediately to remedy any neglect without notice. In either case, the cost of any work done by or for WEBB COUNTY to remedy Contractor's neglect shall be deducted by WEBB COUNTY from Contractor's Contract Sum. Contractor shall notify WEBB COUNTY, Design Consultant when any street is to be closed or obstructed. The notice shall, in the case of major thoroughfares or street upon which transit lines operate, be given at least forty- eight (48) hours in advance. WEBB COUNTY reserves the right to postpone and/or prohibit any closure or obstruction of any streets or thoroughfares, to the extent necessary

for the safety and benefit of the traveling public. Contractor shall, when directed by WEBB COUNTY or Design Consultant, keep any street or streets in condition for unobstructed use. When Contractor is required to construct temporary bridges or make other arrangements for crossing over ditches or around structures, Contractor's responsibility for accidents shall include the roadway approaches as well as the crossing structures.

1043. Contractor shall limit airborne dust and debris throughout the Project site and its duration. Contractor shall apply the necessary amounts of water or other appropriate substance required to maintain sufficient moisture content for dust control. For WEBB COUNTY horizontal projects, Contractor shall apply appropriate amounts of water or other appropriate substance to the base on streets under construction and on detours required to maintain sufficient moisture control in the surface layer for dust control.

10.5. BARRICADES, LIGHTS AND WATCHMEN

If the Work is carried on, in or adjacent to any street, alley or public place, Contractor shall, at Contractor's own cost and expense, furnish, erect and maintain sufficient barricades, fences, lights and danger signals, provide sufficient watchmen and take such other precautionary measures as are necessary for the protection of persons or property and of the Work. All barricades shall be painted in a color that shall be visible at night, and shall be illuminated by lights as required under WEBB COUNTY's or TxDOT's Barricades Specifications. The term "lights," as used in this **Section 10.5**, shall mean flares, flashers or other illuminated devices. A sufficient number of barricades with adequate markings and directional devices also shall be erected to keep vehicles from being driven on or into any Work under construction. Contractor shall be held responsible for all damage to the Work due to failure of barricades, signs, lights and/or watchmen necessary to protect the Work. Whenever evidence is found of such damage, WEBB COUNTY or Design Consultant may order the damaged portion immediately removed and replaced by Contractor at Contractor's sole cost and expense. Contractor's responsibility for maintenance of barricades, signs, lights, and for providing watchmen, as required under this **Section 10.5**, shall not cease until the Project has been finally accepted by WEBB COUNTY.

10.6. PUBLIC UTILITIES AND OTHER PROPERTIES TO BE CHANGED

In case it is necessary for Contractor to change or move the property of WEBB COUNTY or of any telecommunications or public utility, such property shall not be touched, removed or interfered with until ordered to do so by WEBB COUNTY. WEBB COUNTY reserves the right to grant any public or private utility personnel the authority to enter upon the Project site for the purpose of making such changes or repairs to their property that may become necessary during the performance of the Work. WEBB COUNTY reserves the right of entry upon the Project site at any time and for any purpose, including repairing or relaying sewer and water lines and appurtenances, repairing structures and for making other repairs, changes, or extensions to any of WEBB COUNTY's property. WEBB COUNTY's actions shall conform to Contractor's current and approved schedule for the performance of the Work, provided that proper notification of schedule requirements has been given to

WEBB COUNTY by Contractor.

10.7. TEMPORARY STORM SEWER AND DRAIN CONNECTIONS

When existing storm sewers or drains have to be taken up or removed, Contractor shall, at its expense, provide and maintain temporary outlets and connections for all public and private storm sewers and drains. Contractor also shall provide for all storm sewage and drainage which shall be received from these storm drains and sewers. For this purpose, Contractor shall provide and maintain, at Contractor's own expense, adequate pumping facilities and temporary outlets or diversions. Contractor shall, at Contractor's own expense, construct such troughs, pipes or other structures that may be necessary and shall be prepared at all times to dispose of storm drainage and sewage received from these temporary connections until such time as the permanent connections are built and are in service. The existing storm sewers and connections shall be kept in service and maintained under the Contract, except where specified or ordered to be abandoned by Design Consultant. All storm water and sewage shall be disposed of in a satisfactory and lawful manner so that no nuisance is created and that the Work under construction shall be adequately protected.

10.8. ARRANGEMENT AND CHARGE FOR WATER, ELECTRICAL OR WIRELESS ACCESS FOR THE PROJECT

1081. When Contractor desires to use water in connection with the Work, Contractor shall make complete and satisfactory arrangements with the appropriate water utility and shall be responsible for the cost of the water Contractor uses.

1082. Contractor shall make complete and satisfactory arrangements for electricity and metered electrical connections with the appropriate retail electric provider, in the event that separately metered electrical connections are required for the Project. Contractor shall pay for all electricity COUNTY used in the performance of the Work through separate metered electrical connections obtained by Contractor through a retail electric provider.

1083. If Contractor elects or is required by WEBB COUNTY to place and operate out of a construction trailer or office on the Project site, for which all related costs shall be borne by Contractor, Contractor shall provide for an electronic device to exchange data wirelessly via a local area computer network, to include high-speed internet connections (commonly known as "Wi Fi access"), for WEBB COUNTY personnel's use while on the Project site for the duration of the Project.

10.9. USE OF FIRE HYDRANTS

Contractor, Subcontractors and any other person working on the Project shall not open, turn off, interfere with, attach any pipe or hose to or connect anything with any fire hydrant, stop valve or stop cock, or tap any water main unless duly authorized in writing to do so by the utility's owner.

10.10. ENVIRONMENTAL COMPLIANCE

- 10.10.1. Contractor and its Subcontractors are deemed to have made themselves familiar with and at all times shall comply with any and all applicable federal, state or local laws, rules, regulations, ordinances and rules of common law now in effect (including any amendments now in effect), relating to the environment, Hazardous Substances or exposure to Hazardous Substances including, but not limited to, the Comprehensive Environmental Response, Compensation and Liability Act of 1980, 42 U.S.C.A. §§ 9601, et seq.; the Hazardous Materials Transportation Act, 49 U.S.C.A. §§ 1801, et seq.; the Resource Conservation and Recovery Act of 1976, 42 U.S.C.A. §§ 6901, et seq.; the Federal Water Pollution Control Act, 33 U.S.C.A §§ 1201, et seq.; the Toxic Substances Control Act, 15 U.S.C.A. §§ 2601, et seq.; the Clean Air Act, 42 U.S.C.A. §§ 7401, et seq.; the Safe Drinking Water Act, 42 U.S.C.A. §§ 3808, et seq., and any current judicial or administrative interpretation of these laws, rules, regulations, ordinances or rules of common law including, but not limited to, any judicial or administrative order, consent decree or judgment affecting the Project.
- 10.10.2. In the event Contractor encounters on the Project Site materials reasonably believed to be a Hazardous Substance that have not been rendered harmless, and the removal of such materials is not a part of the scope of Work required under the Contract Documents, Contractor immediately shall stop Work in the affected area and report in writing the facts of such encounter to WEBB COUNTY and Design Consultant. Work in the affected area shall not thereafter be resumed except by written order of WEBB COUNTY and written consent of Contractor, unless and until the material is determined not to be a Hazardous Substance or the Hazardous Substance is remediated. Unless removal of such materials is a part of the scope of Work required under the Contract Documents, WEBB COUNTY shall remediate the Hazardous Substance with a separate contractor or through a Change Order with Contractor. If the Hazardous Substance exists in the affected area due to the fault or negligence of Contractor or any of its Subcontractors, Contractor shall be responsible for remediating the condition at the sole expense of Contractor. If applicable, such remediation shall be in accordance with Contractor's Spill Remediation Plan. An extension of the Contract Time for any delay in the progress schedule caused as a result of the discovery and remediation of a Hazardous Substance may be granted by WEBB COUNTY only if the Project critical path is affected and Contractor is not the source of the Hazardous Substance. Any request for an extension of the Contract Time related to the discovery and remediation of a Hazardous Substance is subject to the provisions of **Section 4.3** and **Article VIII** herein.
- 10.10.3. Contractor shall be responsible for identification, abatement, cleanup, control, removal, remediation and disposal of any Hazardous Substance brought into or onto the site by Contractor or any Subcontractor or Contractor's Supplier. Contractor shall obtain any and all permits necessary for the legal and proper handling, transportation and disposal of the Hazardous Substance and shall, prior

to undertaking any abatement, cleanup, control, removal, remediation and/or disposal, notify WEBB COUNTY and Design Consultant so that they may observe the activities; provided, however, that it shall be Contractor's sole responsibility to comply with all applicable laws, rules, regulations or ordinances governing said activities.

ARTICLE XI. INSURANCE AND BONDS

11.1. CONTRACTOR'S LIABILITY INSURANCE

- 11.1.1. Prior to the commencement of any work under this Contract, Contractor shall furnish copies of all required endorsements and completed Certificate(s) of Liability Insurance to WEBB COUNTY, which shall be clearly labeled "Webb County HVA Upgrades to Casa Ortiz and Justice of the Peace Precinct 2, Place 2 Buildings Project" in the Description of Operations block of the Certificate. The Certificate(s) shall be completed by an agent and signed by a person authorized by that insurer to bind coverage on its behalf. WEBB COUNTY shall not accept a Memorandum of Insurance or Binder as proof of insurance. The Certificate(s) shall be signed by the Authorized Representative of the insurance carrier and shall include the agent's original signature and telephone number. The Certificate(s) shall be mailed, with copies of all applicable endorsements, directly from the insurer's authorized representative to WEBB COUNTY. WEBB COUNTY shall have no duty to pay or perform its obligations under this Contract until such Certificate(s) and endorsements have been received and approved by WEBB COUNTY. No officer or employee of WEBB COUNTY, other than the WEBB COUNTY Commissioners Court, shall have authority to waive this requirement.
- 11.1.2. WEBB COUNTY reserves the right to review the insurance requirements of this **Article XI** during the effective period of this Contract and to modify insurance coverages and limits when deemed necessary and prudent by the WEBB COUNTY's Risk Manager based upon changes in statutory law, court decisions, or circumstances surrounding this Contract. In no instance will WEBB COUNTY allow modification whereby WEBB COUNTY may incur increased risk.
- 11.1.3. Contractor's financial integrity is of interest to WEBB COUNTY; therefore, subject to Contractor's right to maintain reasonable deductibles in such amounts as are approved by WEBB COUNTY, Contractor shall obtain and maintain in full force and effect, for the duration of this Contract and at Contractor's sole expense, insurance coverage written on an occurrence basis, unless otherwise indicated, by companies authorized to do business in the State of Texas and with an A.M Best's rating of no less than A- (VII), in the following types and for an amount not less than the amount listed below:

<u>TYPE</u>	<u>AMOUNTS</u>
1. Workers' Compensation 2. Employers' Liability	Statutory \$1,000,000.00 per employee per accident/\$1,000,000.00 disease ea. employee/ \$1,000,000.00 disease policy limit
3. Commercial General Liability Insurance to include coverage for the following: a. Premises/Operations b. Products/Completed Operations (to be maintained and in effect for no less than two years subsequent to the completion of the project) c. Personal/Advertising Injury *d. Environmental Impairment/ Impact – sufficiently broad to cover disposal liability. *e. Explosion, Collapse, Underground	For <u>Bodily Injury</u> and <u>Property</u> <u>Damage</u> of: \$1,000,000.00 per occurrence; \$2,000,000.00 General Aggregate, or its equivalent in Umbrella or Excess Liability Coverage \$2,000,000.00 Products/Completed Operations Aggregate N/A
4. Business Automobile Liability: a. Owned/leased vehicles b. Non-owned vehicles c. Hired Vehicles	Combined <u>Single Limit</u> for <u>Bodily Injury</u> and <u>Property</u> <u>Damage</u> of \$1,000,000.00 per occurrence

<p>5. Umbrella Liability – To have as its underlying: d. General liability, including products/completed operations e. Automobile liability f. Employers liability</p>	<p>\$4,000,000.00</p>
<p>6. Contractor’s Pollution-Per Occurrence</p>	<p>\$1,000,000 per Claim; \$3,000,000 Aggregate</p>
<p>7. *Professional Liability (Claims-made basis) To be maintained and in effect for no less than two years subsequent to the completion of the professional service.</p>	<p>\$1,000,000.00 per claim, to pay on behalf of the insured all sums which the insured shall become legally obligated to pay as damages by reason of any wrongful act, malpractice, error, or omission in professional services.</p>
<p>8. Builder’s Risk</p>	<p>All Risk Policy written on an occurrence basis for 100% replacement cost during construction phase of any new or existing structure.</p>
<p>*if applicable</p>	

11.14. Contractor agrees to require, by written contract, all Subcontractors providing goods or services pursuant to performance on the Project obtain the same categories of insurance coverage required of Contractor herein and provide a Certificate of Liability Insurance and endorsement that names Contractor and WEBB COUNTY as additional insureds. Policy limits of the coverages carried by Subcontractors shall be determined as a business decision of Contractor. Contractor shall provide WEBB COUNTY with said Certificate and endorsement prior to the commencement of any work by the Subcontractor. This Subcontractor insurance provision may be modified by the WEBB COUNTY’s Risk Manager, without subsequent WEBB COUNTY COMMISSIONERS COURT approval, when deemed necessary and prudent, based upon changes in

statutory law, court decisions, or circumstances surrounding this Contract. Such insurance coverage modification may be enacted by letter signed by the WEBB COUNTY's Risk Manager, which shall become a part of this Contract for all purposes.

11.15. As they apply to the limits required by WEBB COUNTY, WEBB COUNTY shall be entitled, upon request and without expense, to receive certified copies of all insurance policies, declaration pages and all required endorsements associated with this Work. Contractor shall be required to comply with any such requests and shall submit requested documents to WEBB COUNTY at the address provided below within ten (10) calendar days. Contractor shall pay any and all costs incurred resulting from provision of said documents to WEBB COUNTY.

WEBB COUNTY
Attn: Risk Manager
1110 Washington St. Suite 204
Laredo, Texas 78040

11.16. Contractor agrees that with respect to the above required insurance, all insurance policies are to contain or be endorsed to contain the following provisions:

- Name WEBB COUNTY, its officers, officials, employees, volunteers, and elected representatives as additional insureds on a primary and non-contributory basis by endorsement, with respect to operations and activities of, or on behalf of, the named insured performing under this Contract with WEBB COUNTY, with the exception of the workers' compensation and professional liability policies;
- Provide for an endorsement reflecting the "other insurance" clause shall not apply to the WEBB COUNTY where WEBB COUNTY is an additional insured shown on the policy;
- All required policies, including but not limited to Workers' compensation, employers' liability, general liability and automobile liability policies, shall provide a waiver of subrogation in favor of WEBB COUNTY.
- Provide thirty (30) calendar days advance written notice directly to WEBB COUNTY, at the address cited above, of any suspension, cancellation, material change or non-renewal in coverage of Contractor's insurance policy/policies associated with this Work and not less than thirty (30) calendar days in advance notice for Contractor's nonpayment of premium(s).

11.17. Within five (5) calendar days of a suspension, cancellation, material change or non-renewal of insurance coverage associated with this Work, Contractor shall

Exhibit "D"

Webb County General Conditions
Webb County HVAC Upgrades (JP Precinct 2, Place 2)

provide a replacement Certificate(s) of Insurance and applicable endorsement(s) to WEBB COUNTY. WEBB COUNTY shall have the option to suspend Contractor's performance should there be a lapse in coverage at any time during this contract. Failure to provide and to maintain the required insurance shall constitute a material breach of this Contract.

- 11.1.8. In addition to any other remedies WEBB COUNTY may have upon Contractor's failure to provide and maintain any insurance and/or policy endorsements to the extent and within the time herein required, WEBB COUNTY shall have the right to order Contractor to stop work hereunder and/or withhold any payment(s) which become due to Contractor hereunder until Contractor demonstrates compliance with the insurance requirements hereof.
- 11.1.9. Nothing contained herein shall be construed as limiting in any way the extent to which Contractor may be held responsible for payments of damages to persons or property resulting from Contractor's or its Subcontractors' performance of the Work covered under this Contract.
- 11.1.10. Contractor accepts and agrees Contractor's insurance shall be deemed primary and non-contributory, with respect to any insurance or self insurance carried by WEBB COUNTY, for liability arising out of Contractor's operations under this Contract.
- 11.1.12. Contractor understands, accepts and agrees the insurance required of Contractor by this Contract is in addition to and separate from any other obligation contained in this Contract and no claim or action by or on behalf of WEBB COUNTY shall be limited to insurance coverage provided.
- 11.1.13. Contractor and any of Contractor's Subcontractors are responsible for any and all damage to their own equipment and/or property.
- 11.1.14. Without limiting any of the other obligations or liabilities of Contractor under the Contract Documents, Contractor shall purchase and maintain, during the term of the Contract and at Contractor's own expense, the minimum liability insurance coverage described below with insurance companies duly authorized or approved to do business in the State of Texas and otherwise satisfactory to WEBB COUNTY. Contractor also shall require each Subcontractor performing work under the Contract, at Subcontractor's own expense, to maintain levels of insurance necessary and appropriate for the Work performed during the term of the Contract, said levels of insurance comply with all applicable laws. Subcontractor's liability insurance shall name Contractor, WEBB COUNTY and Design Consultant as additional insureds by using endorsement CG 20 26 or broader. Certificates of insurance complying with the requirements prescribed in **Section 11.1.3** herein shall show the existence of each policy, together with copies of all policy endorsements showing WEBB

COUNTY and Design Consultant as an additional insured, and shall be delivered to WEBB COUNTY before any Work is started. Contractor promptly shall furnish, upon the request of and without expense to WEBB COUNTY, a certified copy of each policy required, including all endorsements, which shall indicate:

- 11.1.15. Workers' Compensation, with statutory limits, with the policy endorsed to provide a waiver of subrogation as to WEBB COUNTY; Employer's Liability Insurance of not less than \$1,000,000.00 for each accident, \$1,000,000.00 disease for each employee and \$1,000,000.00 disease policy limit;
- 11.1.16. Commercial General Liability Insurance, Personal Injury Liability, Independent Contractor's Liability and Products and Completed Operations and Contractual Liability covering, but not limited to, the liability assumed under the indemnification provisions of this Contract, fully insuring Contractor's (and/or Subcontractor's) liability for injury to or death of WEBB COUNTY's employees and all third parties, and for damage to property of third parties, with a combined bodily injury (including death) and property damage minimum limit of \$1,000,000.00 per occurrence, \$2,000,000.00 annual general aggregate and \$2,000,000 Products and Completed Operations aggregate. WEBB COUNTY shall be named as additional insured by using endorsement CG 20 26 or broader. The general liability policy shall include coverage extended to apply to completed operations and XCU hazards. The Completed Operations coverage must be maintained for a minimum of two (2) years after final completion and acceptance of the Work, with evidence of same filed with WEBB COUNTY. The policy shall include an endorsement CG2503 amendment of limits (designated project or premises) in order to extend the policy's limits specifically to the Project in question.
- 11.1.17. Business Automobile Liability Insurance, covering owned, hired and non-owned vehicles, with a combined bodily injury (including death) and property damage minimum limit of \$1,000,000 per occurrence. Such insurance shall include coverage for loading and unloading hazards.
- 11.1.18. Five (5) calendar days prior to a suspension, cancellation material or non-renewal of any required line of insurance coverage, Contractor shall provide WEBB COUNTY a replacement certificate of insurance with all applicable endorsements included. WEBB COUNTY shall have the option to suspend Contractor.
- 11.1.19. If any insurance company providing insurance coverage(s) required under the Contract Documents for Contractor becomes insolvent or becomes the subject of any rehabilitation, conservatorship, liquidation or similar proceeding, Contractor immediately shall procure, upon first notice to Contractor or WEBB COUNTY of such occurrence and without cost to WEBB COUNTY, replacement insurance coverage before continuing the performance of the Work

at the Project. Any failure to provide such replacement insurance coverage shall constitute a material breach of the Contract.

11.2. PROPERTY INSURANCE

1121. As stated in **Section 11.1** Contractor shall obtain at its expense and maintain throughout the duration of the Project, All-Risk Builder's Risk Insurance, if the Project involves complete construction of a new building, or an All-Risk Installation Floater policy, if the Project involves materials and supplies needed for additions to, renovations or remodeling of an existing building. Coverage on either policy shall be All-Risk, including, but not limited to, Fire, Extended Coverage, Vandalism and Malicious Mischief, Flood (if located in a flood zone) and Theft, in an amount equal to one hundred percent (100%) of the insurable value of the Project for the Installation Floater policy, and one hundred percent (100%) of the replacement cost of the Project for the Builder's Risk policy. If an Installation Floater policy is provided, WEBB COUNTY shall be shown as a Joint Named Insured with respect to the Project. If a Builder's Risk policy is provided, the policy shall be written on a Completed Value Form, including materials delivered and labor performed for the Project. This policy shall be in the name of Contractor and naming WEBB COUNTY, Design Consultant and Subcontractors, as well as any Sub-Subcontractors, as additional insureds as their interests may appear. The policy shall have endorsements as follows:

11.2.1.1 This insurance shall be specific as to coverage and not contributing insurance with any permanent insurance maintained on the property.

11.2.1.2 WEBB COUNTY is to be named as Loss Payee as respects any loss under applicable property insurance.

1122. BOILER AND MACHINERY INSURANCE. If applicable, WEBB COUNTY shall purchase and maintain Boiler and Machinery Insurance required by the Contract Documents or by law, which specifically shall cover such insured objects during installation and until final acceptance by WEBB COUNTY. This insurance shall include the interests of WEBB COUNTY, Contractor, Subcontractors and Sub-Subcontractors in the Work, and WEBB COUNTY and Contractor shall be named insureds.

1123. LOSS OF USE INSURANCE. WEBB COUNTY, at WEBB COUNTY's option, may purchase and maintain such insurance as shall insure WEBB COUNTY against loss of use of WEBB COUNTY's property due to fire or other hazards, however caused.

1124. Contractor shall provide to Design Consultant for delivery to WEBB COUNTY a Certificate of Insurance evidencing all property insurance policies procured under this Section 11.2 and all endorsements thereto, before any exposure to loss may occur.

1125. Partial occupancy or use in accordance with Section 9.8.1 herein shall not commence until the insurance company/companies providing property insurance have consented to such partial occupancy or use by endorsement or otherwise. WEBB COUNTY and Contractor shall take reasonable steps to obtain consent of the insurance company/companies and shall take no action without mutual written consent with respect to partial occupancy or use that would cause cancellation, lapse or reduction of insurance.
1126. Contractor shall take all necessary precautions to ensure no damage shall result from operations to private or public property. All damages shall be repaired or replaced by Contractor at no additional cost to WEBB COUNTY.

11.3. PERFORMANCE BONDS AND PAYMENT BONDS

- 11.3.1. Subject to the provisions of Section 11.3.2 herein, Contractor shall, with the execution and delivery of the Contract, furnish and file with WEBB COUNTY, in the amounts required in this Article XI, the Surety Bonds described in Section 11.3.1.1 and Section 11.3.1.2 herein, with said Surety Bonds in accordance with the provisions of Chapter 2253, Texas Government Code, as amended. Each Surety Bond shall be signed by Contractor, as the Principal, as well as by an established corporate surety bonding company as surety, meeting the requirements of Section 11.3.3 herein and approved by WEBB COUNTY. The Surety Bonds shall be accompanied by an appropriate Power-of-Attorney clearly establishing the extent and limitations of the authority of each signer to so sign and shall include:

11.3.1.1. **PERFORMANCE BOND.** A good and sufficient Performance Bond in an amount equal to one hundred percent (100%) of the total Contract Sum, guaranteeing the full and faithful execution of the Work and performance of the Contract in accordance with Plans, Specifications and all other Contract Documents, including any extensions thereof, for the protection of WEBB COUNTY. This Performance Bond also shall provide for the repair and maintenance of all defects due to faulty materials and workmanship that appear within a period of one (1) year from the date of final Completion or acceptance of the Work by WEBB COUNTY, or lesser or longer periods as otherwise may be designated in the Contract Documents.

11.3.1.2. **PAYMENT BOND.** A good and sufficient Payment Bond in an amount equal to 100% of the total Contract Sum, guaranteeing the full and prompt payment of all claimants supplying labor or materials in the prosecution of the Work provided for in the Contract, and for the use and protection of each claimant.

- 11.3.2. If the Contract Sum, including WEBB COUNTY-accepted Alternates and allowances, if any, is greater than \$100,000.00, a Payment Bond and a

Performance Bond equaling one hundred percent (100%) of the Contract Sum are mandatory and shall be provided by Contractor. If the Contract Sum is greater than \$50,000 but less than or equal to \$100,000, only a Payment Bond equaling one hundred percent (100%) of the Contract amount is mandatory; provided, however, Contractor also may elect to furnish a Performance Bond in the same amount if Contractor so chooses. If the Contract Sum is less than or equal to \$25,000, Contractor may elect not to provide Performance and Payment Bonds; provided, in such event, no money shall be paid by WEBB COUNTY to Contractor until Final Completion of all Work. If Contractor elects to provide the required Performance Bond and Payment Bond, the Contract Sum shall be payable to Contractor through progress payments in accordance with these General Conditions.

- 11.3.3. No surety shall be accepted by WEBB COUNTY that is in default, delinquent on any bonds or that is a party to any litigation against WEBB COUNTY. All bonds shall be made and executed on WEBB COUNTY's standard forms, shall be approved by WEBB COUNTY and shall be executed by not less than one (1) corporate surety that is authorized and admitted to do business in the State of Texas, is licensed by the State of Texas to issue surety bonds, is listed in the most current United States Department of the Treasury List of Acceptable Sureties and is otherwise acceptable to WEBB COUNTY. Each bond shall be executed by Contractor and the surety and shall specify that legal venue for enforcement of each bond exclusively shall lie in Webb County, Texas. Each surety shall designate an agent resident in Webb County, Texas to which any requisite statutory notices may be delivered and on which service of process may be had in matters arising out of the suretyship.
- 11.3.4. The person or persons, partnership, company, firm, limited liability company, association, corporation or other business entity to whom the Contract is awarded shall, within ten (10) days after such award, sign the required Contract with WEBB COUNTY and provide the necessary surety bonds and evidence of insurance as required under the Contract Documents. No Contract shall be binding on WEBB COUNTY until:
1. it has been approved as to form by WEBB COUNTY's Attorney;
 2. it has been executed by WEBB COUNTY's County Judge;
 3. the Payment Bond and Performance Bond and evidence of the required insurance have been furnished to WEBB COUNTY by Contractor, as required by the Contract Documents; and
 4. a fully executed Contract has been delivered to Contractor (if required).
- 11.3.5. The failure of Contractor to execute the Contract (if required) and deliver the required Bonds and evidence of insurance within ten (10) days after the Contract is awarded, or as soon thereafter as WEBB COUNTY can assemble and deliver the Contract and by the time the WEBB COUNTY scheduled Pre-Construction meeting is held, shall, at WEBB COUNTY's option, constitute a

material breach of Contractor's bid proposal and WEBB COUNTY may rescind the Contract award and collect or retain the proceeds of the bid security. By reason of the uncertainty of the market prices for materials and labor and it being impracticable and difficult to determine accurately the amount of damages occurring to WEBB COUNTY by reason of Contractor's failure to execute the Contract within ten (10) days and deliver bonds and insurance by the WEBB COUNTY scheduled Pre-Construction meeting, the filing of a bid proposal shall constitute an acceptance of this Section 11.3.5. In the event WEBB COUNTY should re-advertise for bids, the defaulting Contractor shall not be eligible to bid and the lowest responsible bid obtained in the re-advertisement shall be the bid referred to in this Section 11.3.

11.4. 'UMBRELLA' LIABILITY INSURANCE

Contractor shall obtain, pay for and maintain Umbrella Liability Insurance during the Contract term, insuring Contractor for an amount of not less than \$4,000,000.00 per occurrence combined limit Bodily Injury (including death) and Property Damage, that follows form and applies in excess of the primary coverage required hereinabove. WEBB COUNTY and Design Consultant shall be named as additional insureds using endorsement CG 20 26 or broader. In addition to the general aggregate the Umbrella Policy shall have a separate products/completed operation aggregate in the same amount as the occurrence limit. The Umbrella Liability Insurance policy shall provide "drop down" coverage, where the underlying primary insurance coverage limits are insufficient or exhausted.

11.5. POLICY ENDORSEMENTS AND SPECIAL CONDITIONS

11.5.1. Each insurance policy to be furnished by Contractor shall address the following required provisions within the certificate of insurance, which shall be reflected in the body of the insurance contract and/or by endorsement to the policy:

11.5.1.1. WEBB COUNTY and Design Consultant shall be named as additional insureds on all liability coverages, using endorsement CG 20 26 or broader. When WEBB COUNTY employs a Construction Manager on the Project, Contractor and Subcontractor(s) shall include the Construction Manager on all liability insurance policies to the same extent as WEBB COUNTY and Design Consultant are required to be named as additional insureds. The additional insured shall be on a primary and non-contributory basis.

11.5.1.2. Within five (5) calendar days of a suspension, cancellation, material change or non-renewal of any required line of insurance coverage, Contractor shall provide WEBB COUNTY a replacement certificate of insurance with all applicable endorsements included. WEBB COUNTY shall have the option to suspend Contractor's performance should there be a lapse in coverage at any time during the Contract.

11.5.1.3. The terms "Owner," or "WEBB COUNTY" shall include all

authorities, boards, bureaus, commissions, divisions, departments and offices of WEBB COUNTY and the individual members, employees and agents thereof in their official capacities, while acting on behalf of WEBB COUNTY.

- 11.5.1.4. The policy phrase or clause "Other Insurance" shall not apply to WEBB COUNTY where WEBB COUNTY is an additional insured on the policy. The required insurance coverage furnished by Contractor shall be the primary insurance for all purposes for the Project, as well as the primary and non-contributory insurance for the additional insureds named in the required policies.
- 11.5.1.5. All provisions of the Contract Documents concerning liability, duty and standard of care, together with the indemnification provision, shall, to the maximum extent allowable in the insurance market, be underwritten with contractual liability coverage(s) sufficient to include such obligations with the applicable liability policies.
- 11.5.2. Concerning the insurance to be furnished by the Contractor, it is a condition precedent to acceptability which:
 - 11.5.2.1. All policies must comply with the applicable requirements and special provisions of this Article XI.
 - 11.5.2.2. Any policy evidenced by a Certificate of Insurance shall not be subject to limitations, conditions or restrictions deemed inconsistent with the intent of the insurance requirements set forth herein, and WEBB COUNTY's decision regarding whether any policy contains such provisions and contrary to this requirement shall be final.
 - 11.5.2.3. All policies required are to be written through companies duly authorized and approved to transact that class of insurance in the State of Texas and that otherwise are acceptable to WEBB COUNTY.
- 11.5.3. Contractor agrees to the following special provisions:
 - 11.5.3.1. Contractor hereby waives subrogation rights for loss or damage to the extent same are covered by insurance. Insurers shall have no right of recovery or subrogation against WEBB COUNTY, it being the intention that the insurance policies shall protect the Parties to the Contract and be primary coverage for all losses covered by the policies. This waiver of subrogation shall be included, by endorsement or otherwise, as a provision of all policies required under this Article XI.
 - 11.5.3.2. Insurance companies issuing the insurance policies and Contractor shall have no recourse whatsoever against WEBB COUNTY for payment of any premiums or assessments for any

deductibles, as all such premiums and assessments solely are the responsibility and risk of Contractor.

- 11.5.3.3. Approval, disapproval or failure to act by WEBB COUNTY, regarding any insurance supplied by Contractor or any Subcontractor(s), shall not relieve Contractor of any responsibility or liability for damage or accidents as set forth in the Contract Documents. The bankruptcy, insolvency or denial of liability of or by Contractor's insurance company shall likewise not exonerate or relieve Contractor from liability.
- 11.5.3.4. WEBB COUNTY reserves the right to review the insurance requirements of this Article XI during the effective period of this Contract and to adjust insurance coverage and insurance limits when deemed necessary and prudent by WEBB COUNTY's Risk Management Division, based upon changes in statutory law, court decisions or the claims history of Contractor and Subcontractors. Contractor agrees to make any reasonable request for deletion, revision or modification of particular policy terms, conditions, limitations or exclusions, except where policy provisions are established by law or regulation binding upon either Party to this Contract or upon the underwriter of any such policy provisions. Upon request by WEBB COUNTY, Contractor shall exercise reasonable efforts to accomplish such changes in policy coverage.
- 11.5.3.5. No special payments shall be made for any insurance policies that Contractor and Subcontractors are required to carry. Except as provided in Section 11.5.3.4 herein, all amounts payable regarding the insurance policies required under the Contract Documents are included in the Contract Sum.
- 11.5.3.6. Any insurance policies required under this Article XI may be written in combination with any of the other policies, where legally permitted, but none of the specified limits neither may be lowered or otherwise negatively impacted by doing so, nor may any of the requirements or special provisions of this Article XI be limited or circumvented by doing so.

ARTICLE XII. INSPECTING, UNCOVERING AND CORRECTING OF WORK

121. INSPECTING WORK

WEBB COUNTY and Design Consultant shall have authority to reject Work that does not conform to the Contract Documents. Whenever WEBB COUNTY or Design Consultant considers it necessary or advisable, WEBB COUNTY and/or Design Consultant shall have authority to require inspection or testing of the Work in accordance with this **Article XII**, whether or not such Work is fabricated, installed or completed.

122. UNCOVERING WORK

Exhibit "D"

Webb County General Conditions
Webb County HVAC Upgrades (JP Precinct 2, Place 2)

- 12.2.1. If a portion of the Work is covered, concealed and/or obstructed, contrary to WEBB COUNTY's or Design Consultant's requirements specifically expressed in the Contract Documents, it must be uncovered for WEBB COUNTY's or Design Consultant's inspection and properly be replaced at Contractor's expense without any change in the Contract Time or Sum.
- 12.2.2. If a portion of the Work has been covered, concealed and/or obstructed and Design Consultant or WEBB COUNTY has not inspected the Work prior to its being covered, concealed and/or obstructed, WEBB COUNTY and Design Consultant retain the right to inspect such Work and, when directed by WEBB COUNTY, Contractor shall uncover it. If said Work is found to be in accordance with the Contract Documents, the costs for uncovering and replacement shall, by appropriate Change Order, be paid by WEBB COUNTY. If such Work uncovered is found to not be in accordance with the Contract Documents, Contractor shall pay all costs associated with the uncovering, correction and replacement of the Work, unless the condition found was caused by WEBB COUNTY or WEBB COUNTY's separate contractor, in which event WEBB COUNTY shall be responsible for payment of actual costs incurred by Contractor.

123. CORRECTING WORK

- 12.3.1. Contractor promptly shall correct any Work rejected by WEBB COUNTY or Design Consultant as failing to conform to the requirements of the Contract Documents, whether inspected before or after Substantial Completion and whether or not fabricated, installed or completed. Contractor shall bear costs of correcting such rejected Work, along with all costs for additional testing, inspections and compensation for Design Consultant's services and expenses made necessary thereby.
- 12.3.2. In addition to Contractor's warranty obligations, if any of the Work is found to be defective or nonconforming with the requirements of the Contract Documents, including, but not limited to these General Conditions, Contractor shall correct it promptly after receipt of written notice from WEBB COUNTY or Design Consultant to correct unless WEBB COUNTY previously has given Contractor a written acceptance or waiver of the defect or nonconformity. Contractor's obligation to correct defective or nonconforming Work remains in effect for:

- 12.3.2.1 one (1) year after the date of Substantial Completion of the Work or designated portion of the Work;
- 12.3.2.2 one (1) year after the date for commencement of warranties established by agreement in connection with partial occupancy under **Section 9.8.1** hereto; or
- 12.3.2.3 the stipulated duration of any applicable special warranty

required by the Contract Documents.

- 12.3.3. The one (1) year period, described in **Section 12.3.2.1**, **Section 12.3.2.2** and **Section 12.3.2.3** herein, shall be extended, with respect to portions of the Work first performed after Substantial Completion, by the period of time between Substantial Completion and the actual completion of the Work.
- 12.3.4. The obligations of Contractor under **Section 3.5** herein and this **Section 12.3** shall survive final acceptance of the Work and termination of this Contract. WEBB COUNTY shall give notice to Contractor promptly after discovery of a defective or nonconforming condition in the Work. The one (1) year period stated in this **Section 12.3** does not limit the ability of WEBB COUNTY to require Contractor to correct latent defects or nonconformities in the Work, which defects or nonconformities could not have been discovered through reasonable diligence by WEBB COUNTY or Design Consultant at the time the Work was performed or at the time of inspection for certification of Substantial Completion or Final Completion. The one (1) year period also does not relieve Contractor from liability for any defects or deficiencies in the Work that may be discovered after the expiration of the one (1) year correction period.
- 12.3.5. Contractor shall remove from the Project Site portions of the Work which are not in accordance with the requirements of the Contract Documents and are neither corrected by Contractor nor accepted by WEBB COUNTY.
- 12.3.6. If Contractor fails to correct any defective or nonconforming Work within what WEBB COUNTY deems a reasonable time after WEBB COUNTY or Design Consultant gives written notice of rejection to Contractor, WEBB COUNTY may correct the defective or nonconforming Work in accordance with this **Section 12.3**. If Contractor promptly does not proceed with correction of any defective or nonconforming Work within a reasonable time fixed by written notice from WEBB COUNTY or Design Consultant, WEBB COUNTY may remove or replace the defective or nonconforming Work and store the salvageable materials or equipment at Contractor's expense. If Contractor does not pay the costs of removal and storage within ten (10) calendar days after written notice by WEBB COUNTY or Design Consultant, WEBB COUNTY may, upon ten (10) additional calendar days written notice, sell the materials and equipment at auction or at private sale and shall account to Contractor for the proceeds, after deducting all costs and damages that should have been borne by Contractor to correct the defective work, including all compensation for Design Consultant's services and expenses made necessary as a result of the sale, removal and storage. If the proceeds of sale do not cover the costs that Contractor should have borne, the Contract Sum shall be reduced by the deficiency. If payments due to Contractor then or thereafter are not sufficient to cover the deficiency, Contractor shall pay the difference to WEBB COUNTY.
- 12.3.7. Contractor shall bear the cost of correcting destroyed or damaged construction of WEBB COUNTY or WEBB COUNTY's separate contractors, whether the

construction is completed or partially completed, caused by Contractor's correction or removal of Work which is not in accordance with the requirements of the Contract Documents.

12.3.8. Nothing contained in this **Section 12.3** shall be construed to establish a period of limitation with respect to other obligations which Contractor might have under the Contract Documents. The establishment of the one (1) year time period, as described in **Section 12.3.2** relates only to the specific obligation of Contractor to correct the Work and has no relationship to the time within which the obligation to comply with the Contract Documents may be sought to be enforced or to the time within which proceedings may be commenced to establish Contractor's liability with respect to Contractor's obligations other than specifically to correct the Work.

12.3.9. Any Work repaired or replaced, pursuant to this **Article XII**, shall be subject to the provisions of **Article XII** to the same extent as Work originally performed or installed.

12.4. ACCEPTANCE OF NONCONFORMING WORK

WEBB COUNTY may, in WEBB COUNTY's sole discretion, accept Work that is not in accordance with the requirements of the Contract Documents instead of requiring its removal and correction. Upon that occurrence, the Contract Sum shall be reduced as appropriate and equitable, as solely determined by WEBB COUNTY. Any adjustment shall be accomplished whether or not final payment has been made.

ARTICLE XIII. COMPLETION OF THE CONTRACT; TERMINATION; TEMPORARY SUSPENSION

13.1. FINAL COMPLETION OF CONTRACT

The Contract shall be considered completed, except as provided in any warranty or maintenance stipulations, bond or by law, when all the Work has been finally completed, a final inspection is made by WEBB COUNTY and Design Consultant and final acceptance and final payment is made by WEBB COUNTY.

13.2. WARRANTY FULFILLMENT

Prior to the expiration of the specified warranty period provided for in the Contract Documents, WEBB COUNTY or Design Consultant shall make a detailed inspection of the Work and shall advise Contractor and Contractor's Surety of the items that require correction. WEBB COUNTY or Design Consultant shall make a subsequent inspection and, if the corrections have been properly performed, WEBB COUNTY shall issue a letter of release on the maintenance obligations to Contractor. If, for any reason, Contractor has not made the required corrections before the expiration of the warranty period, the warranty provisions as provided for in the Contract Documents shall remain in effect until the corrections have properly been performed and a letter of release from WEBB COUNTY to Contractor is issued.

13.3. TERMINATION BY WEBB COUNTY FOR CAUSE

1331. Notwithstanding any other provision of these General Conditions, the Work or any portion of the Work may be terminated immediately by WEBB COUNTY for any good cause after giving seven (7) calendar days advance written notice and an opportunity to cure to Contractor, including but not limited to the following causes:

13.3.1.1. Failure or refusal of Contractor to start the Work within ten (10) calendar days after the date of the written Notice to Proceed is issued by WEBB COUNTY to Contractor commence Work.

13.3.1.2. A reasonable belief of WEBB COUNTY or Design Consultant that the progress of the Work being made by Contractor is insufficient to complete the Work within the specified Contract time.

13.3.1.3. Failure or refusal of Contractor to provide sufficient and proper equipment or construction forces properly to execute the Work in a timely manner.

13.3.1.4. A reasonable belief Contractor has abandoned the Work.

13.3.1.5. A reasonable belief Contractor has become insolvent, bankrupt, or otherwise is financially unable to carry on the Work.

13.3.1.6. Failure or refusal on the part of Contractor to observe any material requirements of the Contract Documents or to comply with any written orders given by WEBB COUNTY or Design Consultant, as provided for in the Contract Documents.

13.3.1.7. Failure or refusal of Contractor promptly to correct any defects in materials or workmanship, or defects of any nature, the correction of which has been directed to Contractor in writing by WEBB COUNTY or Design Consultant.

13.3.1.8. A reasonable belief by WEBB COUNTY collusion exists or has occurred for the purpose of illegally procuring the contract or a Subcontractor, or that a fraud is being perpetrated on WEBB COUNTY in connection with the construction of Work under the Contract.

13.3.1.9. Repeated and flagrant violation of safe working procedures.

1332. When the Work or any portion of the Work is terminated for any of the causes itemized in Section 13.3.1 herein, or for any other cause except termination for convenience pursuant to Section 13.3.6 herein, Contractor shall, as of the date specified by WEBB COUNTY, immediately discontinue the Work or portion of the Work as WEBB COUNTY shall designate, whereupon the Surety shall, within fifteen (15) calendar days after the written Notice of Termination by WEBB COUNTY For Cause has been served upon Contractor and the Surety or its authorized agents, assume the obligations of Contractor for the Work or

that portion of the Work which WEBB COUNTY has ordered Contractor to discontinue and Surety may:

- 13.3.2.1. perform the Work with forces employed by the surety;
- 13.3.2.2. with the written consent of WEBB COUNTY, tender a replacement Contractor to take over and perform the Work, in which event the Surety shall be responsible for and pay the amount of any costs required to be incurred or the completion of the Work that are in excess of the amount of funds remaining under the Contract as of the time of the termination; or
- 13.3.2.3. with the written consent of WEBB COUNTY, tender and pay to WEBB COUNTY in settlement the amount of money necessary to finish the balance of uncompleted Work under the Contract, correct existing defective or nonconforming work and compensate WEBB COUNTY for any other loss sustained as a result of Contractor's default.

In the event of Termination by WEBB COUNTY For Cause involving Article 13.3.2.1 and/or Article 13.3.2.2, the Surety shall assume Contractor's place in all respects and the amount of funds remaining and unpaid under the Contract shall be paid by WEBB COUNTY for all Work performed by the Surety or the replacement contractor in accordance with the terms of the Contract Documents, subject to any rights of WEBB COUNTY to deduct any and all costs, damages (liquidated or actual) WEBB COUNTY incurred including, but not limited to, any and all additional fees and expenses of Design Consultant and any attorneys' fees WEBB COUNTY incurs as a result of Contractor's default and subsequent termination.

- 1333. The balance of the Contract Sum remaining at the time of Contractor's default and subsequent termination shall become due and payable to the Surety as the Work progresses, subject to all of the terms, covenants and conditions of the Contract Documents. If the Surety does not, within the time specified in Section 13.3.2 herein, exercise its obligation to assume the obligations of the Contract, or that portion of the Work which WEBB COUNTY has ordered Contractor to discontinue, then WEBB COUNTY shall have the power to complete the Work by contract or otherwise, as WEBB COUNTY may deem necessary and elect. Contractor agrees that WEBB COUNTY shall have the right to:
 - 1. take possession of or use any or all of the materials, plant, tools, equipment, supplies and property of every kind, to be provided by Contractor for the purpose of the Work; and
 - 2. procure other tools, equipment, labor and materials for the completion of the Work at Contractor's expense; and
 - 3. charge to the account of Contractor the expenses of completion and labor, materials, tools, equipment, and incidental expenses.

- 1334. All expenses incurred by WEBB COUNTY to complete the Work shall be deducted by WEBB COUNTY out of the balance of the Contract Sum

remaining unpaid to or unearned by Contractor. Contractor and the Surety shall be liable to WEBB COUNTY for any costs incurred in excess of the balance of the Contract Sum for the completion and correction of the Work, and for any other costs, damages, expenses (including, but not limited to, additional fees of Design Consultant and attorney's fees) and liquidated or actual damages incurred as a result of the termination.

1335. WEBB COUNTY shall not be required to obtain the lowest bid for the Work of completing the Contract, as described in Section 13.3.3 herein, but the expenses to be deducted from the Contract Sum shall be the actual cost of such Work and the other damages, as provided in Section 13.3.3 herein. In case WEBB COUNTY's costs and damages are less than the sum which would have been payable under the Contract if the Work had been completed by Contractor pursuant to the Contract, then WEBB COUNTY may pay Contractor (or the Surety, in the event of a complete Termination by WEBB COUNTY For Cause) the difference, provided that Contractor (or the Surety) shall not be entitled to any claim for damages or for loss of anticipated profits. In case such costs for completion and damages shall exceed the amount which would have been payable under the Contract if the Work had been completed by Contractor pursuant to the Contract, then Contractor and its Surety shall pay the amount of the excess to WEBB COUNTY immediately upon written notice from WEBB COUNTY to Contractor and/or the Surety for the excess amount owed. When only a particular part of the Work is being carried on by WEBB COUNTY, by contract or otherwise under the provisions of this Section, Contractor shall continue the remainder of the Work in conformity with the terms of the Contract and in such manner as not to hinder or interfere with the performance of workers employed and provided by WEBB COUNTY.

1336. The right to terminate this Contract for the convenience of WEBB COUNTY (including, but not limited to, non-appropriation of funding) expressly is retained by WEBB COUNTY. In the event of a termination for convenience by WEBB COUNTY, WEBB COUNTY shall, at least ten (10) calendar days in advance, deliver written notice of the termination for convenience to Contractor. Upon Contractor's receipt of such written notice, Contractor immediately shall cease the performance of the Work and shall take reasonable and appropriate action to secure and protect the Work then in place. Contractor shall then be paid by WEBB COUNTY, in accordance with the terms and provisions of the Contract Documents, an amount not to exceed the actual labor costs incurred, the actual cost of all materials installed and the actual cost of all materials stored at the Project site or away from the Project site, as approved in writing by WEBB COUNTY but not yet paid for and which cannot be returned, plus applicable overhead, profit, and actual, reasonable and documented termination costs, if any, paid by Contractor in connection with the Work in place which is completed and in conformance with the Contract Documents up to the date of termination for convenience, less all amounts previously paid for the Work. No amount ever shall be paid to Contractor for lost or anticipated profits on any part of the Work not performed.

13.4. TEMPORARY SUSPENSION OF THE WORK

- 13.4.1. The Work or any portion of the Work may temporarily be suspended by WEBB COUNTY, for a time period not to exceed ninety (90) calendar days, immediately upon written notice to Contractor for any reason, including, but not limited to:
- 13.4.1.1. the causes described in **Section 13.3.1.1** through **Section 13.3.1.9** herein;
 - 13.4.1.2. under other provisions in the Contract Documents that require or permit temporary suspension of the Work;
 - 13.4.1.3. situations where the Work is threatened by, contributes to or causes an immediate threat to public health, safety, or security; or
 - 13.4.1.4. other unforeseen conditions or circumstances.
- 13.4.2. Contractor immediately shall resume the temporarily suspended Work when ordered in writing to do so by WEBB COUNTY. WEBB COUNTY shall not, under any circumstances, be liable for any claim of Contractor arising from a temporary suspension due to a cause described in **Section 13.4.1** herein; provided, however, that in the case of a temporary suspension for any of the reasons described under **Section 13.4.1.2** through **Section 13.4.1.4** herein, where Contractor is not a contributing cause of the suspension or where the provision of the Contract Documents in question does not specifically provide that the suspension is at no cost to WEBB COUNTY, WEBB COUNTY shall make an equitable adjustment for the following items, provided that a claim properly is made by Contractor under **Section 4.3** herein:
- 13.4.2.1. an equitable extension of the Contract Time, not to exceed the actual delay caused by the temporary suspension, as determined by WEBB COUNTY and Design Consultant;
 - 13.4.2.2. an equitable adjustment to the Contract Sum for the actual, necessary and reasonable costs of properly protecting any Work finished or partially finished during the period of the temporary suspension; provided, however, that no payment of profit and/or overhead shall be allowed on top of these costs; and
 - 13.4.2.3. if it becomes necessary to move equipment from the Project Site and then return it to the Project Site when the Work is ordered to be resumed, an equitable adjustment to the Contract Sum for the actual, necessary and reasonable cost of these moves; provided, however, that no adjustment to the Contract Sum shall be due if said equipment is moved to another Project site of WEBB COUNTY.

ARTICLE XIV. MISCELLANEOUS PROVISIONS

14.1. GOVERNING LAW; COMPLIANCE WITH LAWS AND REGULATIONS

14.1.1. This Contract shall be governed by the laws and case decisions of the State of Texas, without regard to conflict of law or choice of law principles of Texas or of any other state.

14.1.2. This Contract is entered into subject to and controlled by all applicable laws, rules and regulations of the State of Texas and the Government of the United States of America. Contractor shall, during the performance of the Work, comply with all applicable orders, codes and ordinances, as amended, and all applicable State of Texas and Federal laws, rules and regulations, as amended.

14.2. SUCCESSORS AND ASSIGNS

WEBB COUNTY and Contractor respectively bind themselves, their partners, successors, assigns and legal representatives to the promises, covenants, terms, conditions and obligations contained in the Contract Documents. Contractor shall not assign, transfer or convey its interest or rights in the Contract, in part or as a whole, without the written consent of WEBB COUNTY. If Contractor attempts to make an assignment, transfer or conveyance without WEBB COUNTY's written consent, Contractor nevertheless shall remain legally responsible for all obligations under the Contract Documents. WEBB COUNTY shall not assign any portion of the Contract Sum due or to become due under this Contract without the written consent of Contractor, except where assignment is compelled by court order, other operation of law or the terms of these General Conditions.

14.3. WRITTEN NOTICE

Any notice, payment, statement or demand required or permitted to be given under this Contract by either Party to the other may be effected by personal delivery in writing or by facsimile transmission, email or by mail, postage prepaid, or by overnight delivery to an officer, management level employee or other designated representative of either Party. Mailed or email notices shall be addressed to the Parties at an address designated by each Party, but each Party may change its address by written notice in accordance with this section. Mailed notices shall be deemed received as of three (3) calendar days after mailing.

14.4. RIGHTS AND REMEDIES; NO WAIVER OF RIGHTS BY WEBB COUNTY

14.4.1. The duties and obligations imposed on Contractor by the Contract Documents and the rights and remedies available to WEBB COUNTY under the Contract Documents shall be in addition to, and not a limitation of, any duties, obligations, rights and remedies otherwise imposed or made available by law.

14.4.2. No action or failure to act by WEBB COUNTY shall constitute a waiver of a right afforded WEBB COUNTY under the Contract Documents, nor shall any action or failure to act by WEBB COUNTY constitute approval of or

acquiescence in a breach of the Contract by Contractor, except as may be specifically agreed in writing by Change Order, Amendment or Supplemental Agreement.

14.5. INTEREST

WEBB COUNTY shall not be liable for interest on any progress or final payment to be made under the Contract Documents, except as may be provided by the applicable provisions of the Prompt Payment Act, Chapter 2251, Texas Government Code, as amended, subject to **Article IX** of these General Conditions. **Contractor agrees that Contractor cannot recover any of its attorney's fees in enforcing any violation of the Prompt Payment Act.**

14.6. INDEPENDENT MATERIALS TESTING AND INSPECTION

In some circumstances, WEBB COUNTY shall retain, independent of Contractor, the inspection services, the testing of construction materials engineering and the verification testing services necessary for acceptance of the Project by WEBB COUNTY. Such Consultants shall be selected in accordance with Section 2254.004 of the Government Code. The professional services, duties and responsibilities of any independent Consultants shall be described in the agreements between WEBB COUNTY and those Consultants. The provision of inspection services by WEBB COUNTY shall be for Quality Assurance and shall not reduce or lessen Contractor's responsibility for the Work or its duty to establish and implement a thorough Quality Control Program to monitor the quality of construction and guard WEBB COUNTY against defects and deficiencies in the Work, as required herein. Contractor fully and solely is responsible for constructing the Project in strict accordance with the Construction Documents.

14.7. OFFICERS OR EMPLOYEES OF WEBB COUNTY NOT TO HAVE FINANCIAL INTEREST IN ANY CONTRACT OF WEBB COUNTY

Contractor acknowledges the Purchasing Code of Ethics Policy of WEBB COUNTY and its Ethics Code prohibits a WEBB COUNTY elected official, officer or employee, from having a financial interest in any contract with WEBB COUNTY or any WEBB COUNTY agency, such as WEBB COUNTY owned utilities. An elected official, officer or employee has a "prohibited financial interest" in a contract with WEBB COUNTY or in the sale to WEBB COUNTY of land, materials, supplies or service, if any of the following individual(s) or entities is a Party to the contract or sale:

- (1) a WEBB COUNTY elected official, officer or employee; his parent, child or spouse;
- (2) a business entity in which the elected official, officer or employee, or his parent, child or spouse owns ten (10) percent or more of the voting stock or shares of the business entity, or ten (10) percent or more of the fair market value of the business entity;
- (3) a business entity in which any individual or entity above listed is a Subcontractor on a WEBB COUNTY contract, or

- (4) a partner or a parent or subsidiary business entity.

Pursuant to this **Article XIV**, Contractor warrants and certifies, and this Contract is made in reliance thereon, that it, its officers, employees and/or agents are neither officers nor employees of WEBB COUNTY. Except with WEBB COUNTY's low-bid contract awards, Contractor warrants and certifies that it has tendered to WEBB COUNTY a Conflict of Interest Disclosure in compliance with WEBB COUNTY's Ethics Policy. Any violation of this **Section 14.7**, with the knowledge, express or implied, of the person, persons, partnership, company, firm, association or corporation contracting with WEBB COUNTY may render a Contract voidable by WEBB COUNTY Commissioners Court.

14.8. VENUE

This Contract is performed in Webb County, Texas, and if legal action is necessary to enforce this Contract, exclusive venue shall lie in the State Courts of Webb County, Texas.

14.9. INDEPENDENT CONTRACTOR

In performing the Work under this Contract, the relationship between WEBB COUNTY and Contractor is Contractor is and shall remain an independent contractor. Contractor shall exercise independent judgment in performing the Work and solely is responsible for setting working hours, scheduling and/or prioritizing the Work flow and determining the means and methods of performing the Work, subject only to the requirements of the Contract Documents. No term or provision of this Contract shall be construed as making Contractor an agent, servant or employee of WEBB COUNTY or making Contractor or any of Contractor's employees, agents or servants eligible for the fringe benefits, such as retirement, insurance and worker's compensation which WEBB COUNTY provides to its employees.

14.10. NON-DISCRIMINATION

As a Party to this Contract Contractor shall not discriminate on the basis of race, color, religion, national origin, sex, sexual orientation, gender identity, veteran status, age or disability, unless Contractor is exempted by state or federal law, or as otherwise established herein. Contractor covenants that it shall take all necessary actions to insure that, in connection with any Work under this Contract, Contractor and its Subcontractor(s) shall not discriminate in the treatment or employment of any individual or groups of individuals on the grounds of race, color, religion, national origin, sex, sexual orientation, gender identity, veteran status, age or disability, either directly, indirectly or through contractual or other arrangements. Contractor also shall comply with all applicable requirements of the Americans with Disabilities Act, 42 U.S.C.A. §§12101-12213, as amended.

14.11. GIFTS TO PUBLIC SERVANTS

- 14.11.1. WEBB COUNTY may terminate this Contract immediately if Contractor has offered, conferred or agreed to confer any benefit on a WEBB COUNTY employee or official that the employee or official is prohibited by law from accepting.

- 14.112. For purposes of this Article, "benefit" means anything reasonably regarded as pecuniary gain or pecuniary advantage, including benefit to any other person in whose welfare the beneficiary has a direct or substantial interest, but does not include a contribution or expenditure made and reported in accordance with law.
- 14.113. Notwithstanding any other legal remedies, WEBB COUNTY may require Contractor to remove any employee of Contractor, a Subcontractor or any employee of a Subcontractor from the Project who has violated the restrictions of this **Article XIV** or any similar State or Federal law and WEBB COUNTY may obtain reimbursement for any expenditures made to Contractor as a result of an improper offer, an agreement to confer or the conferring of a benefit to a WEBB COUNTY employee or official.

ARTICLE XV. AUDIT

15.1 RIGHT TO AUDIT CONTRACTOR'S RECORDS

By execution of the Contract, Contractor grants WEBB COUNTY the right to audit, examine, inspect and/or copy, at WEBB COUNTY's election at all reasonable times during the term of this Contract and for a period of four (4) years following the completion or termination of the Work, all of Contractor's written and electronically stored records and billings relating to the performance of the Work under the Contract Documents. The audit, examination or inspection may be performed by a WEBB COUNTY designee, which may include its internal auditors or an outside representative engaged by WEBB COUNTY. Contractor agrees to retain its records for a minimum of four (4) years following termination of the Contract, unless there is an ongoing dispute under the Contract, then, such retention period shall extend until final resolution of the dispute, with full access allowed to authorized representatives of WEBB COUNTY upon request, for purposes of evaluating compliance with this and other provisions of the Contract.

15.1.1 As used in these General Conditions, "Contractor written and electronically stored records" shall include any and all information, materials and data of every kind and character generated as a result of the work under this Contract. Example of Contractor written and electronically stores records include, but are not limited to: accounting data and reports, billings, books, general ledgers, cost ledgers, invoices, production sheets, documents, correspondences, meeting notes, subscriptions, agreements, purchase orders, leases, contracts, commitments, arrangements, notes, daily diaries, reports, drawings, receipts, vouchers, memoranda, time sheets, payroll records, policies, procedures, Subcontractor agreements, Supplier agreements, rental equipment proposals, federal and state tax filings for any issue in question, along with any and all other agreements, sources of information and matters that may, in WEBB COUNTY's sole judgment, have any bearing on or pertain to any matters, rights, duties or obligations under or covered by any Contract Documents.

15.1.2 WEBB COUNTY agrees that it shall exercise the right to audit, examine or inspect Contractor's records only during regular business hours. Contractor

agrees to allow WEBB COUNTY and/or WEBB COUNTY's designee access to all of the Contractor's Records, Contractor's facilities and current or former employees of Contractor, deemed necessary by WEBB COUNTY or its designee(s), to perform such audit, inspection or examination. Contractor also agrees to provide adequate and appropriate work space necessary for WEBB COUNTY or its designees to conduct such audits, inspections or examinations.

- 15.13 Contractor shall include this **Article XV** in any Subcontractor, supplier or vendor contract.

ARTICLE XVI. ATTORNEY FEES

The Parties hereto expressly agree, in the event of litigation, all Parties waive rights to payment of attorneys' fees that otherwise might be recoverable, pursuant to the Texas Civil Practice and Remedies Code Chapter 38, Texas Local Government Code §271.153, the Prompt Payment Act, common law or any other provision for payment of attorney's fees.

Special Conditions for Horizontal (i.e. Road) Projects

3.2.5 Differing Site Conditions (Adds this Section 3.2.5 to GENERAL CONDITIONS FOR WEBB COUNTY CONSTRUCTION CONTRACTS)

Contractor promptly shall, before such discovered conditions and/or structures are disturbed, notify WEBB COUNTY in writing of differing site conditions. Differing site conditions are defined as subsurface or latent physical and/or structural conditions at the Site differing materially from those indicated in the Plans, Specifications and other Contract Documents or newly discovered and previously unknown physical conditions at the Site of an unusual nature differing materially from those geophysical conditions typically encountered in the type Work being performed and generally being recognized as not indigenous to the Webb County, Texas environs.

WEBB COUNTY and/or Design Consultant promptly shall investigate the reported physical and/or structural conditions and shall determine whether or not the physical and/or structural conditions do materially so differ and thereby cause an increase or decrease in Contractor's cost of and/or time required for performance of any part of the Work under this Contract. In the event WEBB COUNTY reasonably determines the physical and/or structural conditions materially so differ, a negotiated and equitable adjustment shall be made to the Contract Time and/or Contract Sum and a Change Order promptly shall be issued by WEBB COUNTY.

- (1) No claim of Contractor under this **Section 3.2.5** shall be allowed unless Contractor has given the written notice called for above, prior to disturbing the discovered conditions and/or structures.
- (2) No Contract adjustment shall be allowed under this **Section 3.2.5** for any effects caused

on unchanged work.

3.4.7 Material Testing (Added to Section 3.4.7 of GENERAL CONDITIONS FOR WEBB COUNTY CONSTRUCTION CONTRACTS)

Materials not meeting Contract requirements or do not produce satisfactory results shall be rejected by WEBB COUNTY, unless WEBB COUNTY or Design Consultant approves corrective actions. Upon rejection, Contractor immediately shall remove and replace rejected materials. If Contractor does not comply with these requirements, WEBB COUNTY may remove and replace defective material and all costs incurred by WEBB COUNTY for testing, removal and replacement of rejected materials shall be deducted from any money due or owed to Contractor.

The source of supply of each of the materials shall be approved by WEBB COUNTY or Design Consultant before delivery is started and, at the option of WEBB COUNTY, may be sampled and tested by WEBB COUNTY for determining compliance with the governing Specifications before delivery is started. If it is found after trial sources of supply previously approved do not produce uniform and satisfactory products, or if the product from any source proves unacceptable at any time, Contractor shall furnish materials from other approved sources. Only materials conforming to the requirements of the Contract documents and approved by WEBB COUNTY shall be used by Contractor in the work. All materials being used by Contractor are subject to inspection or test at any time during preparation or use. Any material which has been tested and accepted at the source of supply may be subjected to a check test after delivery and all materials which, when retested, do not meet the requirements of the Specifications shall be rejected. No material which, after approval, has in any way become unfit for use shall be used in the Work.

If, for any reason, Contractor selects a material which is approved for use by WEBB COUNTY or Design Consultant by sampling, testing or other means, and Contractor decides to change to a different material requiring additional sampling and testing by WEBB COUNTY for approval, Contractor shall pay for any expense incurred by WEBB COUNTY for such additional sampling and testing and the costs incurred by WEBB COUNTY shall be deducted from any money due or owed to Contractor.

4.3.8 Change in Unit Prices (Added to Section 4.3.8 of GENERAL CONDITIONS FOR WEBB COUNTY CONSTRUCTION CONTRACTS)

Unit prices established in the Contract documents only may be modified when a Change Order or Field Work Directive causes a material change in quantity to a Major Bid Item. A Major Bid Item is defined as a single bid item constituting a minimum of five percent (5%) of the total contract value. A material change in quantity is defined as an increase or decrease of twenty five percent (25%) or more of the units of an individual bid item or an increase or decrease of twenty five percent (25%) or more of the dollar value of a lump sum bid item. Revised unit pricing only shall apply to the quantity of a major bid item in excess of a twenty five percent (25%) increase or decrease of the original Contract

quantity.

7.2.5 Allowable Markups (Added to Section 7.2.5 of GENERAL CONDITIONS FOR WEBB COUNTY CONSTRUCTION CONTRACTS)

Maximum allowable markups for Change Order pricing, when said pricing is not determined through unit prices, are established as follows:

7.2.5.1 Labor

Contractor shall be allowed the documented payroll rates for each hour laborers and foremen actually shall be engaged in the Work. Contractor shall be allowed to receive an additional twenty five percent (25%) as compensation, based on the total wages paid said laborers and foremen. No charge shall be made by Contractor for organization or overhead expenses. For costs of premiums on public liability and workers compensation insurance(s), Social Security and unemployment insurance taxes, an amount equal to fifty five percent (55%) of the sum of the labor cost, excluding the twenty five percent (25%) documented payroll rate compensation allowed herein, shall be the established maximum allowable labor burden cost. No charge for superintendence shall be made unless considered necessary and approved by WEBB COUNTY or a Change Order includes an extension of the Contract Time.

7.2.5.2 Materials

Contractor shall be allowed to receive the actual cost, including freight charges, for materials used on such Work, including an additional twenty five percent (25%) of the actual cost as compensation. When material invoices indicate an available discount, the actual cost shall be determined as the invoiced price less the available discount.

7.2.5.3 Equipment

For Contractor-owned machinery, trucks, power tools or other equipment, necessary for use on Change Order work, the Rental Rate Blue Book for Construction Equipment (hereafter referred to as "Blue Book") rate, as modified by the following, shall be used to establish Contractor's allowable hourly rental rates. Equipment used shall be at the rates in effect for each section of the Blue Book at the time of use. The following formula shall be used to compute the hourly rates:

$$H = \frac{M \times R1 \times R2}{176} + OP$$

Where H = Hourly Rate M = Monthly Rate
R1 = Rate Adjustment Factor
R2 = Regional Adjustment Factor OP = Operating Costs

If Contractor-owned machinery and/or equipment is not available and equipment is rented from an outside source, the hourly rate shall be established by dividing the actual

invoice cost by the actual number of hours the equipment is involved in the Work. WEBB COUNTY reserves the right to limit the hourly rate to comparable Blue Book rates. When the invoice specifies the rental rate does not include fuel, lubricants, repairs and servicing, the Blue Book hourly operating cost shall be allowed to be added for each hour the equipment operates. The allowable equipment hourly rates shall be paid for each hour the equipment is involved in the Work and an additional maximum of fifteen percent (15%) may be added as compensation.

7.2.5.4 Subcontractor Markups

Contractor shall be allowed administrative cost only when extra Work, ordered by WEBB COUNTY, is performed by a Subcontractor or Subcontractors. The maximum allowable payment for administrative cost shall not exceed five percent (5%) of the total Subcontractor work. Off-duty peace officers and patrol cruisers shall be considered as Subcontractors, with regard to consideration of allowable contractor markups.

7.3.9 Field Work Directive Allowable Markups (Adds this Section 7.3.9 to GENERAL CONDITIONS FOR WEBB COUNTY CONSTRUCTION CONTRACTS)

Maximum allowable markups for Field Work Directives shall follow the allowable markups established in **Section 7.2.5** herein.

8.2.2 Standby Equipment Costs (Added to Section 8.2.2 of GENERAL CONDITIONS FOR WEBB COUNTY CONSTRUCTION CONTRACTS)

Contractor shall be entitled to standby costs only when directed to standby in writing by WEBB COUNTY. Standby costs may include actual documented Project overhead costs of Contractor, consisting of administrative and supervisory expenses incurred at the Project Site. Standby equipment costs shall not be allowed during periods when the equipment would otherwise have been idle.

For Projects not affecting WEBB COUNTY traffic, a determination made solely by WEBB COUNTY on a project-by-project basis, Contractor is working a five (5) day work week, with a Working Day measured from sunrise to sundown Monday through Friday, no more than eight (8) hours of standby time shall be paid during a 24-hour day, no more than forty (40) hours shall be paid per week for standby time and no more than one hundred and seventy six (176) hours per month shall be paid of standby time. Standby time shall be computed at fifty percent (50%) of the rates found in the Rental Rate Blue Book for Construction Equipment and shall be calculated by dividing the monthly rate found in the Blue Book by 176, then multiplying that total by the regional adjustment factor and the rate adjustment factor. Operating costs shall not be charged by Contractor.

For Projects affecting WEBB COUNTY traffic, a determination made solely by WEBB COUNTY on a project-by-project basis, and Contractor is working a six (6) day work week, with a Working Day measured from sunrise to sundown Monday through Saturday, no more than eight (8) hours of standby time shall be paid during a 24-hour

day, no more than forty eight (48) hours shall be paid per week for standby time and no more than two hundred and eight (208) hours per month shall be paid of standby time. Standby time shall be computed at fifty percent (50%) of the rates found in the Rental Rate Blue Book for Construction Equipment and shall be calculated by dividing the monthly rate found in the Blue Book by 208, then multiplying that total by the regional adjustment factor and the rate adjustment factor. Operating costs shall not be charged by Contractor.

10.11 Road Closures and Detour Routes (Adds this Section 10.11 to GENERAL CONDITIONS FOR WEBB COUNTY CONSTRUCTION CONTRACTS)

Contractor shall not begin construction of the Project or close any streets until adequate barricades and detour signs have been provided, erected and maintained in accordance with the detour route and details shown on the Project Plans. Contractor shall notify WEBB COUNTY forty-eight (48) hours in advance of closing any street to through traffic. Local traffic shall be permitted the use of streets under construction whenever feasible.

10.12 Use of WEBB COUNTY Streets (Adds this Section 10.12 to GENERAL CONDITIONS FOR WEBB COUNTY CONSTRUCTION CONTRACTS)

Contractor shall confine the movements of all steel-tracked equipment to the limits of the Project Site and any such equipment shall not be allowed use of WEBB COUNTY's streets unless being transported on pneumatic-tired vehicles. Any damage to WEBB COUNTY's streets caused by Contractor and/or Contractor's equipment, either outside the limits of the Project site or within the limits of the Project site but not within the limits of the current phase then being constructed, shall be repaired by Contractor at its own expense and as prescribed by WEBB COUNTY's Specifications and direction. If Contractor cannot or refuses to repair street damage caused by Contractor and/or Contractor's equipment, WEBB COUNTY may perform the repairs and all expenses incurred by WEBB COUNTY in performing the repairs shall be deducted for any money due or owed to Contractor.

10.13 Maintenance of Traffic (Adds this Section 10.13 to GENERAL CONDITIONS FOR WEBB COUNTY CONSTRUCTION CONTRACTS)

In accordance with the approved traffic control plan and as specified in the Contract, Contractor shall:

- (1) keep existing roadways open to traffic or construct and maintain detours and temporary structures for safe public travel;
- (2) maintain the Work in passable condition, including proper drainage, to accommodate traffic;
- (3) provide and maintain temporary approaches and crossings of intersecting roadways in a

safe and passable condition;

- (4) construct and maintain necessary access to adjoining property as shown in the Plans or as directed by WEBB COUNTY; and

- (5) furnish, install and maintain traffic control devices in accordance with the Contract.

The cost of maintaining traffic shall be subsidiary to the Project and shall not directly be paid for by WEBB COUNTY, unless otherwise stated in the Plans and Specifications. WEBB COUNTY shall notify Contractor if Contractor fails to meet the above traffic requirements. WEBB COUNTY may perform the work necessary for compliance, but any action n by WEBB COUNTY shall not change the legal responsibilities of Contractor, as set forth in the Contract Documents. Any costs incurred by WEBB COUNTY for traffic maintenance shall be deducted from money due or owed to Contractor.

10.14 Abatement and Mitigation of Excessive or Unnecessary Construction Noise (Adds this Section 10.14 to GENERAL CONDITIONS FOR WEBB COUNTY CONSTRUCTION CONTRACTS)

Contractor shall ensure abatement and mitigation of excessive or unnecessary construction noise to the satisfaction of WEBB COUNTY and as prescribed by all applicable state and local laws.

10.15 Incidental Work, Connections, and Passageways (Adds Section 10.15 to GENERAL CONDITIONS FOR WEBB COUNTY CONSTRUCTION CONTRACTS)

Contractor shall perform all incidental Work necessary to complete and comply with this Contract including, but not limited to the following:

- (1) Contractor shall make and provide all suitable reconnections with existing improvements (generally excluding new connections with or relocation of utility services, unless specifically provided for otherwise in the Contract Documents) as are necessarily incidental to the proper completion of the Project;
- (2) Contractor shall provide passageways or leave open such thoroughfares in the Work Site as may be reasonably required by WEBB COUNTY; and
- (3) Contractor shall protect and guard same at its own risk and continuously shall maintain the Work Site in a clean, safe and workmanlike manner.

STATUTORY PAYMENT BOND

Bond No. _____

Pursuant to Vernon's Texas Government Code
Title 10, Chapter 2253, as amended

(Penalty of this Bond must be 100% of Contract Amount)

THE STATE OF TEXAS §
 § KNOW ALL MEN BY THESE PRESENTS:
COUNTY OF WEBB §

That we, **Temprite Mechanical, Inc.**, as Principal, and _____, as Surety, are hereby held and firmly bound unto the Webb County, Texas, hereinafter called Obligee, for the sole use, benefit, and protection of all claimants supplying public work labor and material (as hereinafter defined) in the prosecution of the work provided for in the written Contract hereinafter referred to, in the penal sum of **One Hundred Twenty-Seven Thousand One Hundred Dollars (\$127,100.00)**, which is the full amount of Principal's contract with the named Obligee, for the payment of which sum the said Principal and Surety bind themselves, their heirs, executors, administrators, and successors, jointly and severally firmly by these presents.

WHEREAS, the Principal has entered into a written contract dated _____, with the Obligee named, to do and perform certain construction work as provided in said contract, to wit: **Webb County Justice of the Peace Precinct 2, Place 2 HVAC Upgrades**, the related plans, specifications, general conditions, and other contract documents, all of which are by reference made a part hereof.

NOW, THEREFORE, THE CONDITION OF THIS OBLIGATION IS SUCH that if the Principal shall promptly make payment to all claimants supplying labor and material (as hereinafter defined) in the prosecution of the work provided for in said contract, the related plans, specifications, general conditions, and other contract documents, then this obligation shall be void, otherwise it shall remain in full force and effect.

PROVIDED HOWEVER, this Payment Bond is given and furnished by the Principal herein in compliance with Chapter 2253 of the Texas Government Code, as amended, and this Bond shall be solely for the protection and use of all claimants supplying public labor work or material (as hereinafter defined), and shall be solely for the protection and use of said claimants who have a direct contractual relationship with the Principal herein, or a subcontractor (as hereinafter defined) to supply public work labor or material.

Surety, for value received, stipulates and agrees that not change, extension of time, or other waiver or amendment of the terms of the Contract or the work thereunder, or any change in the method or amount of payment stipulated to be made by Obligee under the Contract, shall relieve Surety of its obligations hereunder, and Surety hereby waives notice of any such change, extension of time, waiver or amendment of the terms of the Contract, shall relieve Surety of its obligations hereunder, and Surety hereby waives notice of any such change, extension of time, wavier or amendment of the terms of the Contract or to the work thereunder. The bond shall be automatically extended in time, without formal and separate amendment, to cover full and faithful performance of the Contract in the event of modification of the Contract, regardless of the length of time involved.

The undersigned corporate surety does by the execution of this Bond solemnly warrant and represent that it is duly authorized to do business in Texas.

IN WITNESS THEROF, Principal and Surety have signed and sealed this instrument on the _____ day of _____, 2022.

Temprite Mechanical, Inc. _____

Principal

Surety

By: _____

By: _____

Printed Name: _____

Printed Name: _____

Title: _____

Title: _____

Mailing Address: _____

Physical Address: _____

Approved as to form:

Attorney for Obligee

Telephone No.:(____) _____

NOTE: If Contractor is Partnership, all Partners should execute Bond.

NOTE:

- (1) "Prime Contractor" as used herein means a person, firm, or corporation that makes a public work contract with a governmental entity. Tex. Govt. Code §2253.001(3).
- (2) "Subcontractor" as used herein means a person, firm, or corporation that provides public work labor or material to fulfill an obligation to a prime contractor or to a contractor of the prime contractor for the performance and installation of any of the work required by a public work contract. Tex. Govt. Code §2253.001(9).
- (2) "Public work labor" as used herein means labor used directly to carry out a public work. Tex. Govt. Code §2253.001(5).
- (3) "Public work material" as used herein means: (A) material used, or ordered and delivered for use, directly to carry out a public work; (B) specially fabricated material; (C) reasonable rental and actual running repair costs for construction equipment used, or reasonably required and delivered for use, directly to carry out work at the project site; or (D) power, water, fuel, and lubricants used, or ordered and delivered for use, directly to carry out a public work. Tex. Govt. Code §2253.001(6).
- (4) "Specially fabricated material" as used herein means material ordered by a prime contractor or subcontractor that is: (A) specially fabricated for use in a public work; and (B) reasonably unsuitable for another use. Tex. Govt. Code §2253.001(8).
- (5) This Bond must be furnished before any work is commenced.
- (6) This Payment Bond is required for all public works contracts in excess of \$25,000 involving a contract for construction, alteration, or repair of any public building or the completion or prosecution of any public work.
- (7) The Surety must be a corporate surety duly authorized to do business in Texas.
- (8) This Payment Bond must be in the amount of the contract.
- (9) The Power of Attorney from the corporate surety should be attached to this Payment Bond.

STAUTORY PERFORMANCE BOND

Bond No. _____

Pursuant to Vernon's Texas Government Code
Title 10, Chapter 2253, as amended

(Penalty of this Bond must be 100% of Contract Amount)

THE STATE OF TEXAS

§

§

KNOW ALL MEN BY THESE PRESENTS:

COUNTY OF WEBB

§

That we, Temprite Mechanical, Inc., as Principal, and _____ as Surety, are hereby held and firmly bound unto the Webb County, Texas, hereinafter called Oblige, in the penal sum of **One Hundred Twenty-Seven Thousand One Hundred Dollars (\$127,100.00)**, which is the full amount of Principal's contract with the named Oblige, for the payment of which sum the said Principal and Surety bind themselves, their heirs, executors, administrators, and successors, jointly and severally firmly by these presents.

WHEREAS, the principal has entered into a written contract date _____, with Oblige named, to do and perform certain construction work as provided in said contract, to wit: **Webb County Justice of the Peace Precinct 2, Place 2 HVAC Upgrades**, and the related plans, specifications, general conditions, and other contract documents, all of which are by reference made a part hereof.

NOW, THEREFORE, THE CONDITIONS OF THIS OBLIGATION IS SUCH that if the Principal shall faithfully perform all of the work in accordance with the plans, specifications, general conditions, and contract documents, and shall faithfully perform each, every, and all other obligations incumbent upon him under the terms of said written contract referred to, and shall fully indemnify and save harmless the Oblige from all costs, expense, and damage which it may suffer or incur because of the Principal's default, or failure to do so, then this Obligation shall be void, otherwise it shall remain in full force and effect.

In the event Principal shall default in the faithful performance of the work called for by said written contract, plans, specifications, and contract documents, the Surety shall, within 15 days of the determination of default (determined as provided in said contract, general conditions and contract documents), take over and assume completion of said contract, or within such 15-day period make other arrangements satisfactory with the Oblige for completion of the contract, and said Surety shall become entitled thereupon to the payment or benefit of the balance of the contract price as the same matures according to its terms.

The Surety, for the protection of the Oblige herein, waives notice of, and hereby consents to any subsequent modification or alteration both in the work to be performed by the Principal, and the consequent price or sums to be paid by the Oblige, as well as any other change or amendment, addition, or deletion in the contract documents during the progress of the work, including, but not limited to, all extensions of time or other indulgences permitted the Principal.

Notwithstanding any other provision, the liability of the surety on this Bond shall never exceed the penal sum stated in the first paragraph.

This Performance Bond is given and furnished by the Principal herein in compliance with Chapter 2253 of the Texas Government Code, as amended, and all liabilities on this bond shall be determined in accordance with the provisions of this Chapter, to the same extent as if it were copied at length herein and is solely for the protection of the Obligee herein.

The undersigned corporate surety does, by the execution of this Bond, solemnly warrant and represent that it is duly authorized to do business in Texas.

IN WITNESS THEREOF, Principal and Surety have signed and sealed this instrument on the _____ day of _____, 2022.

Temprite Mechanical Control, Inc.

Principal

Surety

By: _____

By: _____

Printed Name: _____

Printed Name: _____

Title: _____

Title: _____

Mailing address: _____

Approved as to form:

Physical Address: _____

Attorney for Obligee

Telephone No.: (____) _____

NOTE:

- (1) This Performance Bond is required for all contracts in excess of \$100,000 involving a contract for construction, alteration, or repair of any public building or the completion or prosecution of any public work.
- (2) This bond must be payable to the awarding authority, Webb County, as the named Obligee, and it must be approved as to form by such awarding authority.
- (3) This Bond must be furnished before any work is commenced.
- (4) Surety must be a corporate surety duly authorized to do business in Texas.
- (5) This Performance Bond must be in the full amount of the contract which it secures.
- (6) Power of Attorney from corporate surety should be attached to this Performance Bond.

Exhibit "G"
NOTICE TO PROCEED

Date: _____

To: _____

Project: Webb County HVAC Upgrades J.P. Precinct 2, Place 2 Buildings

In accordance with the construction contract dated _____, day of _____, 2022, you are hereby notified to commence work on _____.
Contract time is _____ Calendar () Calendar Days.

The above NOTICE TO PROCEED is hereby acknowledged by

this the _____ day of 2022.

Authorized Signature

Typed Name:

Title: _____