

May 25, 2011

Bid No. 2011-07 "Webb County Jail HVAC System"

**Notice to Bidders**

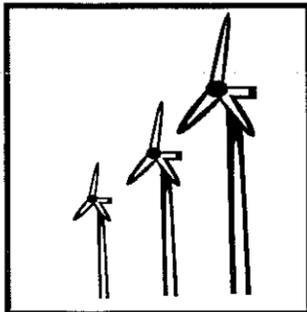
**Addendum No. 1**

**(1) Add alternate chiller. (see attachment of addenda)**

**\*Bidder must sign addendum and include in bid package.**

**Please sign \_\_\_\_\_**

Dr. Cecilia May Moreno  
Purchasing Agent



# UNITECH ENGINEERING

733 N. WARE , STE. D  
MCALLEN, TX 78501  
PH: 956.585-9495

## ADDENDA 1

TO: Webb County Purchasing

DATE: 5/25/2011

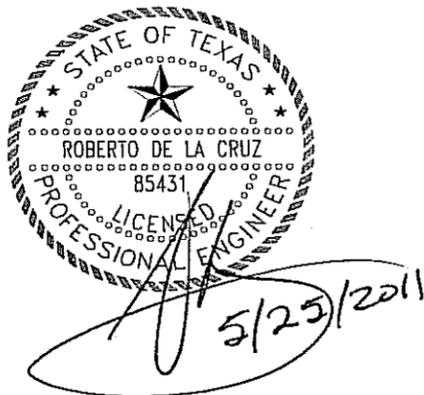
FROM: Roberto De La Cruz, P.E. PROJECT #: 10-006  
PROJECT NAME: Webb County HVAC Renovations

SUBJECT: Changes to Contract Documents

The work shall be carried out in accordance with the following supplemental instructions issued in accordance with the Contract Documents without change in Contract Sum or Contract Time Proceeding with the Work in accordance with these instructions indicates your acknowledgement that there will be no change in the Contract Sum or Contract Time.

DRAWINGS: *Ø 1*

The seal appearing on this document was authorized by Robert De La Cruz, P.E. #85431 dated 5/18/11. original signed drawings are filed at Unitech Engineering office Firm Registration - 1842



### General:

1. Asbestos analysis and abatement will be by Webb County.
2. Provide new starters for all new pumps and air handlers.
3. Provide and activate new smoke detectors for FC 1 through 12 and AC1 through 6.
4. VFD for pump one (P-1) shall have NEMA 3R Enclosure.
5. New bid sheet to include alternate.

ITEM NO.	SPECIFICATIONS	ADDITION/CHANGE OR DELETION
1	Section 15900	Provide controls to Alternate Sheet M1ALT for chiller to equal chillers 2 and 3.
ITEM NO.	SHEET NUMBER	ADDITION/CHANGE OR DELETION
1	M1ALT	ADD ALTERNATE SHEET M1ALT

HVAC MODIFICATIONS TO WEBB COUNTY JAIL

PROPOSAL FORM FOR COMPETITIVE SEALED BID

Project: BID 2011 - 07 HVAC MODIFICATIONS TO WEBB COUNTY JAIL

PART 1 - The Undersigned proposes to furnish all labor, services, materials, tools, and necessary equipment for the construction of the renovation of HVAC to the Webb County Jail, and to perform the work required for the construction of said project at the location set out by the Drawings, Project Manual and Specifications, in strict accordance with the Contract Documents for the complete work.

In submitting this Bid, it is understood that the Bid may not be altered or withdrawn for forty-five {45} and that the Owner has reserved the right to reject any and all Proposals.

The Undersigned certifies that this Bid is made in good faith, without collusion or connection with any other person, persons, partnership, company, firm, association, or corporation offering on this work, for the following sum or prices to wit:

HVAC MODIFICATIONS TO WEBB COUNTY JAIL

- 1. MATERIALS AND LABOR \$\_\_\_\_\_ (\$ ) DOLLARS
- 2. NEW CONTROL SYSTEM \$\_\_\_\_\_ (\$ ) DOLLARS
- 3. COST OF CHILLERS \$\_\_\_\_\_ (\$ ) DOLLARS
- 4. COST OF AIR HANDLING UNITS \$\_\_\_\_\_ (\$ ) DOLLARS
- TOTAL BASE BID (ADD 1, 2, 3, AND 4) \$\_\_\_\_\_(\$ ) DOLLARS
- ALTERNATE 1 (CHILLER 1, MIALT) \$\_\_\_\_\_(\$ ) DOLLARS
- TOTAL BASE BID + ALTERNATE 1 \$\_\_\_\_\_\$( ) DOLLARS

The Undersigned hereby declares that he has visited the site and has carefully examined the Drawings, Specifications, Contract Documents and BID Documents related to the Work covered by his proposal.

Upon receipt of "NOTICE TO PROCEED", the Undersigned will immediately execute the formal contract (Agreement).

The Undersigned agrees to commence work within ten (10) days of Notice to Proceed and to substantially complete the work on or before 120 days after issuance of permit.

The Contract required will be that Standard Form of the American Institute of Architects and shall provide for payment on accounts of *ninety-five (90%)* percent of the value monthly.

The Proposal, the Agreement, the Drawings, the General Conditions, Supplementary General Conditions, the Specifications and any Addenda shall all become a part of the Contract.

I hereby acknowledge receipt of the following Addendum:

\_\_\_\_\_

BONDING COMPANY (IES):

HVAC MODIFICATIONS TO WEBB COUNTY JAIL

\_\_\_\_\_  
(Name and address)

If awarded this contract, the offerer intends to use the following subcontractors:

**ELECTRICAL:** \_\_\_\_\_.

**PLUMBING:** \_\_\_\_\_.

**AIR CONDITIONING:** \_\_\_\_\_.

Respectfully Submitted:

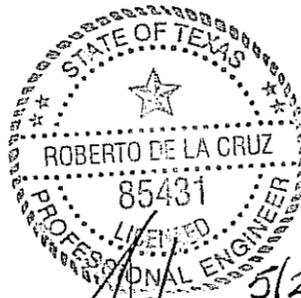
BY: \_\_\_\_\_.

FIRM: \_\_\_\_\_ If corporation affix seal here

TITLE: \_\_\_\_\_.

DATE: \_\_\_\_\_.

END OF SECTION



**1ST FLOOR PLAN: H.V.A.C.**

**ALTERNATE 1**

**DEMOLITION NOTES:**

1. REMOVE AND DISPOSE OF EXISTING CHILLER. REMOVE AND REPLACE PIPING, CONDUITS, AND STRUCTURE REQUIRED TO ACCOMMODATE THE REMOVAL AND INSTALLATION OF CHILLERS. REFER TO SHEET M-6 FOR GENERAL DEMOLITION NOTES.
2. REMOVE PIPING TO ACCOMMODATE NEW CHILLED WATER LINES. PROVIDE TWO (2) 4 INCH BUTTERFLY VALVES TO EXISTING PLANT SUPPLY AND RETURN TO ALLOW FLOW WHEN DESIRED.

**GENERAL NOTES:**

1. PROVIDE CHEMICALS AND CHEMICAL POT FEEDER. PROVIDE MAKEUP WATER LINE WITH BACKFLOW PREVENTER. ALL PROJECT SPECIFICATIONS WILL APPLY TO THIS ALTERNATE.

**MECHANICAL KEYED NOTES:**

1. PROVIDE NEW CHILLER WITH ACCESSORIES. REFER TO SCHEDULE AND M6 FOR PIPING OF ACCESSORIES.
2. PROVIDE 3 IN INSULATED PIPING FROM CHILLER TO PUMP 1. PROVIDE STEEL SUPPORTS EVERY 5 FEET.

**ELECTRICAL KEYED NOTES:**

1. PROVIDE NEW DISCONNECT. 400AMP, 3φ, 4W, N3R 208V, S/N H.D., 300 AMP FUSED DISCONNECT 2 RUNS 3/0, #3 G, 3" C. BACK TO POWER SOURCE. PROVIDE NEW 400 A BREAKER AT PANEL. PROVIDE NEW CONDUIT & WIRE. RECONNECT POWER TO EQUIPMENT. PROVIDE MIRO INDUSTRIES, SUPPORTS EVERY 5 FEET. MODEL NO. 2.5-CONDUIT SUPPORT-2
3. PROVIDE NEW SUPPORTS FOR DISCONNECT INDEPENDENT OF CHILLERS.

**AIR-COOLED CHILLER SCHEDULE**

MANUFACTURER AND MODEL NUMBER	LOCATION	TYPE	REFRIG.	LOAD (TONS)	AIR		FLUID		ELECTRICAL			PHYSICAL			
					AMBIENT TEMP. DB/WB (°F)	ENTERING/LEAVING FLOW RATE (GPM)	ENTERING/LEAVING TEMP. (°F)	WORKING FLUID	HEAD LOSS (FT)	MAXIMUM KW	MAXIMUM UNIT EFFICIENCY (KW/TON)	EFFICIENCY RATING	CHILLER AND CONTROL CIRCUIT VOLT/PH/HZ	LENGTH/ WIDTH/ HEIGHT (IN)	
CH-1 AGZ060-D	Slab	SCROLL	R410a	52	105/73.4	124.4	54/44	WATER	15	81.6	1.2284	2	10	208/3/60	94/88/100

**EXPANSION TANK SCHEDULE**

ID	MANUFACTURER AND MODEL NUMBER	LOCATION	TYPE	FLUID	WORKING FLUID	PHYSICAL		RELIEF VALVE (PSIG)	DIA./ HEIGHT (IN)	NPT FITTING (IN)
						MIN. TANK/ ACCEPTANCE (GAL)	TANK SIZE (GAL)			
ET-1	TACO CA-90		HORIZ BLADDER FULL	WATER		8/5	8	50	14/22	0.5

**AIR SEPARATOR SCHEDULE**

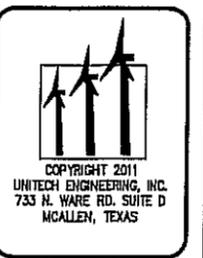
ID	MANUFACTURER AND MODEL NUMBER	LOCATION	TYPE	FLUID		PHYSICAL		NOTES
				FLOW RATE (GPM)	WORKING FLUID	HEAD LOSS (FT)	DIA./ HEIGHT (IN)	
AS-1	TACO 436		INLINE	148	WATER	0.2	10/8	

REVISIONS BY:

**WEBB COUNTY H.V.A.C. RENOVATIONS**

LAREDO, TEXAS

DATE: 4/05/2011  
DRAWN BY: UEDT  
JOB #: 11-003



SHEET: **MIALT**