



PROPOSAL – Harelson Elem HVAC Upgrades

(Mohave JOC)

From: Pueblo Mechanical and Controls, Inc.

Date: 3/16/12

Attn: Tom Gill
Amphitheater School District
701 W. Wetmore building C
Tucson, AZ 85705
696-3750, 696-3757, tgill@amphi.com

Dear Tom,

Pueblo Mechanical and Controls is pleased to provide the following scope options and budgetary pricing for the pending Harelson Elementary HVAC Upgrade Project.

Replace existing plant systems to include new 30 ton air handlers for the north and west wings and one new 10 ton air handler for the east wing, new compressors for all three plants, new evaporative condensers for all three plants to include complete electrical disconnects, starters; provide/install controls for all three plants class rooms and existing package units as detailed in the attached scope.

Detailed Scope:

- Provide asbestos abatement with in each mechanical room (by South west Hazard); all other heating water piping will remain and reconnect to each new air handler along with the recently replaced 30 ton air handler to remain in the east wing
- Provide new control system by Urban Energy to include existing package units as listed in the attached scope of work
- Provide refrigerant recovery with documentation for each system being replaced
- Provide Demolition of T-bar ceilings for three (3) hall ways
- Provide sheet rock and fire tape to all wood above three (3) hallways
- Provide/install new smoke detectors in the return duct work for all AHU'S

East Wing Demo:

- Remove T-Bar ceilings in the hall between the six class rooms, remove duct work in the mechanical room and all duct work in the hallway serving six class rooms, remove compressor rack along with all connecting piping, remove existing cooling tower with in the mechanical room, remove all disconnects and starters, conduit and wire back to gutter associated with the equipment listed for demolition, remove existing pneumatic control system entirely.

East Wing Installation:

- Provide/install one (1) new BAC model VCL – 035 all stainless steel evaporative condenser including new duct work plenum thru roof to existing roof cap.
- Provide and install one (1) new Trane scroll compressor rack model #SCU 30 and one (1) new Trane scroll compressor rack model #SCU 10 in the same location as the unit being replaced

ALL PRICES QUOTED ABOVE ARE GOOD FOR 60 DAYS

Mohave #09D-PMAC2-0902 (JOC) • AZ State JOC Contract #ADSP011-009974 • TCPN Contract #R5044
6771 E. Outlook Dr. • Tucson, AZ 85756 • Office - (520) 545-1044 • Fax - (520) 545-1048
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- Provide /install two layers of 5/8" sheet rock covering all wood that remains in the ceiling being used as a return plenum above hall way
- Provide /install new lined duct work for the 30 ton AHU from the mechanical room to the existing supply register in each class room
- Provide/install new T-bar ceiling in hall way between the six class rooms reusing existing light fixtures
- Provide/install one (1) new Trane custom 10 ton AHU, connected to existing duct modifying return duct making common return with in the space.
- Existing 30 ton AHU in the East wing has been recently replaced and will not be changed.
- **North Wing Demo:**
 - Remove existing air handler, remove existing T-bar ceiling in hall way between the six class rooms, all duct work in the mechanical room, all duct work from soffit and all duct work in hall way for the six class rooms, remove compressor rack along with all connecting piping, remove existing cooling tower with in the mechanical room, remove all disconnects and starters, conduit and wire back to gutter associated with the equipment listed for demolition, remove existing pneumatic control system entirely for this system
- **North Wing Installation:**
 - Provide/install one (1) new BAC model VCL – 035 all stainless steel evaporative condenser including new duct work plenum thru roof to existing roof cap.
 - Provide and install one (1) new Trane scroll compressor rack model #SCU 30 in the same location as the unit being replaced
 - Provide and install one (1) Trane 35 ton Multi zone air handler Model #CSIA030
 - Provide /install two layers of 5/8" sheet rock covering all wood that remains in the ceiling being used as a return plenum above hall way
 - Provide /install new lined duct work for the 30 ton AHU from the mechanical room to the existing supply register in each class room
 - Provide/install new T-bar ceiling in hall way between the six class rooms reusing existing light fixtures
- **West Wing Demo**
 - Remove existing Air Handler, remove existing T-bar ceiling in hall way between the six class rooms, all duct work in the mechanical room, all duct work in hall way for the six class rooms, remove compressor rack along with all connecting piping, remove existing cooling tower with in the mechanical room, remove all disconnects and starters, conduit and wire back to gutter associated with the equipment listed for demolition, remove existing pneumatic control system entirely for this system
- **West Wing Installation:**
 - Provide/install one (1) new BAC model VCL – 035 all stainless steel evaporative condenser including new duct work plenum thru roof to existing roof cap.
 - Provide and install one (1) new Trane scroll compressor rack model #SCU 30 in the same location as the unit being replaced
 - Provide and install one (1) Trane 30 ton Multi zone air handler Model #CSIA025
 - Provide /install two layers of 5/8" sheet rock covering all wood that remains in the ceiling being used as a return plenum above hall way

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- Provide /install new lined duct work for the 30 ton AHU from the mechanical room to the existing supply register in each class room
- Provide/install new T-bar ceiling in hall way between the six class rooms reusing existing light fixtures
- **Additional Installation Pertaining to All Three Multi Zone Systems**
 - Provide stamped engineers scope, unit selection and code review (by Adams and Associates)
 - Provide/install new disconnects starter's conduit and wire for each new unit being replaced. (by Sturgeon Electric)
 - Provide/install new copper refrigerant lines, condenser water lines and condensate drains, insulate each as necessary
 - Provide new lined duct work for all new and one existing 30 ton AHU's and connecting to existing where it enters the mechanical room for the 10 ton AHU in the east wing.
 - Provide new control system for each mechanical room and all remaining package units with the exception of the portables (by Urban Energy); Urban scope letter attached
 - Provide air balance of new systems being replaced to include preliminary testing of systems being replaced (by General air Control)
 - Start and test for proper operation
 - Provide rigging services as necessary
 - Provide two year parts and labor warranty

We Exclude The Following:

- Repair or replacement of any existing device to be found inoperable.

Base Bid

Complete material, service, and labor sub total:	\$443,605.55
Mandated applicable taxes (5.915%):	\$ 26,239.27
Bonding:	\$ 5,873.06
Total Base Bid:	\$475,717.88

Controls

Complete material, service, and labor sub total:	\$ 62,361.63
Mandated applicable taxes (5.915%):	\$ 3,688.69
Bonding:	\$ 825.63
Total Controls:	\$ 66,875.95

Total Combined: Controls must be taken to complete \$542,593.83

We Exclude The Following:

- Repair or replacement of any existing device to be found inoperable.
- Any Asbestos other than what is contained within the two mechanical rooms and specifically identified

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