



PROPOSAL –Page Middle School HVAC Replacement Project

(Mohave JOC)

From: Pueblo Mechanical and Controls, Inc.

Date: 6/8/2012

Attn: Chad Bayles
Page Unified School District # 8
500 South Navajo Drive
P.O. Box 1927
Page, Az 86040
928-608-4174, 928-608-4100

Mr. Chad Bayles,

Pueblo Mechanical and Controls is pleased to provide the following scope for the replacement of Seventy four (74) packaged water source Heat pumps and One (1) package gas-electric system. Equipment Schedule Attached.

- Remove and environmentally dispose of water source heat pumps and one gas-electric
- Provide and Install (74) seventy four packaged Air Source Heat pumps with auxiliary strip heat, manual outside air dampers and outdoor air thermostats.
- Provide and Install One (1) Packaged gas-electric to replace Boys Locker room unit
- Provide and install factory built curb adapters for new systems as necessary
- Connect to existing duct as necessary
- Connect existing EMCS control wiring to new systems and verify operation
- Provide and install copper condensate drain lines connected to existing provisions
- Provide and install gas piping from existing provisions to new system on Boy's Locker room
- Remove and replace high voltage disconnects with fuses, whips, connected to existing electrical provisions.
- Provide crane and rigging service
- Systems startup and run test
- Provide 2 year parts and labor warranty

We Clarify / Exclude The Following:

- Repair or replacement of any existing device to be found inoperable.
- **Prevailing / Buy America /American**
- The following is an overview of the scope of work and strategies to be performed to replace all the existing water source heat pumps at Page Middle School.

ALL PRICES QUOTED ABOVE ARE GOOD FOR 90 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
www.pueblo-mechanical.com

AZ LIC: K-39 # ROC176640 • AZ LIC: B-01 # ROC173953 • AZ LIC: K-74 # ROC260462

All existing systems will be replaced with direct expansion air to air heat pumps with electric heat and equipped with outdoor air thermostats to lockout heat pump operation and allow only electric heat operation.

In the lower ambient conditions. (Less than 35degrees) the lockout is necessary to allow either one heat source or the other to operate limited by the existing wire sizing. All systems will be set on custom factory curbs in same location of existing systems which will best be suited for weight considerations as it relates to the structural considerations of replacing HVAC systems. Please note that rooms/locations 101,401 and 701 are not included in our scope or proposal as we do not have necessary data to figure in these systems.

Please note that we have included all equipment as shown in the matrix below and that there are two main considerations; One consideration is that the new units in some cases are heavier than the existing and the second consideration is that we are limited on Kw for the strip heaters based on existing wire sizes. This needs to reviewed in person or over the phone and approved of by the owner.

We assure you that this turnkey design build approach is the most cost effective way to address the replacement of the existing systems, we have looked at options with WSHP's and the air to air is the most cost effective system.

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

Complete material, service, and labor sub total:	\$ 552,839.92
Mandated applicable taxes (6.971%):	\$ 38,539.85
Bonding:	<u>\$ 7,392.25</u>
Total Cost:	\$ 598,772.02

Note: Progress billing authorized when/if required due to project timeline

ALTERNATE:

Scope is same as noted above with the addition of Economizers for improved efficiency.

Complete material, service, and labor sub total:	\$ 586,078.81
Mandated applicable taxes (6.971%):	\$ 40,857.02
Bonding:	<u>\$ 7,836.70</u>
Total Cost:	\$ 634,772.53

All projects over \$50,000 must be individually bonded, projects under this amount are at the discretion of the customer, by accepting this proposal you agree to waive bonding for this project. If you require bonding please contact Pueblo Mechanical immediately and we will provide quote for the bonding amount.

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We look forward to providing this important service please call if you have any questions.

Sincerely,
Dan Moon / Lee Heller
520-545-1044 520-545-1048
dan@pueblo-mechanical.com
lee@pueblo-mechanical.com

Acceptance of Proposal: The above prices, specifications and conditions are satisfactory and are hereby accepted. You are authorized to do the work as specified.

Name Signature Date

Due to the high cost of equipment and/or extended nature of this project progress billing may be required; if a purchase order is created for this project the owner agrees to accept progress billing for demonstrated and verifiable completed work and/or arrival of equipment items pending installation.

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Page Middle School Equipment Schedule

Loc / Rm	Size	MFGR	Existing	Type	Volt / PH	MFGR	New	Type
601	4	Cmdaire	RWP404	WSHP	460v /3ph	Trane	4WCC3048	ASHP
603	4	Cmdaire	RWP404	WSHP	460v /3ph	Trane	4WCC3048	ASHP
609	3	Cmdaire	RWP404	WSHP	460v /3ph	Trane	4WCC3048	ASHP
SH600	4	Cmdaire	RWP404	WSHP	460v /3ph	Trane	4WCC3048	ASHP
NH600	4	Cmdaire	RWP404	WSHP	460v /3ph	Trane	4WCC3048	ASHP
103	3	Cmdaire	RWP304	WSHP	460v /3ph	Trane	4WCC3036	ASHP
104	2	Cmdaire	RWP204	WSHP	460v /3ph	Trane	4WCC3036	ASHP
Office R	3	Cmdaire	RWP304	WSHP	460v /3ph	Trane	4WCC3036	ASHP
Office L	6	Cmdaire	RWP604	WSHP	460v /3ph	Trane	WSC072	ASHP
101	?	?	?	?	?	?	?	?
Library W	8	Cmdaire	RWP844	WSHP	460v /3ph	Trane	WSC090	ASHP
Library E	6	Cmdaire	RWP604	WSHP	460v /3ph	Trane	WSC072	ASHP
501	3	Cmdaire	RWP304	WSHP	460v /3ph	Trane	4WCC3036	ASHP
5031	4	Cmdaire	RWP404	WSHP	460v /3ph	Trane	4WCC3048	ASHP
503	4	Cmdaire	RWP404	WSHP	460v /3ph	Trane	4WCC3048	ASHP
505	4	Cmdaire	RWP404	WSHP	460v /3ph	Trane	4WCC3048	ASHP
520	4	Cmdaire	RWP404	WSHP	460v /3ph	Trane	4WCC3048	ASHP
507	4	Cmdaire	RWP404	WSHP	460v /3ph	Trane	4WCC3048	ASHP
500N	4	Cmdaire	RWP404	WSHP	460v /3ph	Trane	4WCC3048	ASHP
500S	4	Cmdaire	RWP404	WSHP	460v /3ph	Trane	4WCC3048	ASHP
513	4	Cmdaire	RWP404	WSHP	460v /3ph	Trane	4WCC3048	ASHP
N400	10	Cmdaire	RWP1044	WSHP	460v /3ph	Trane	WSC120	ASHP
S400	10	Cmdaire	RWP1044	WSHP	460v /3ph	Trane	WSC120	ASHP
C400	10	Cmdaire	RWP1044	WSHP	460v /3ph	Trane	WSC120	ASHP
401	?	?	?	?	?	?	?	?
400	7.5	Carrier	50LJQ008	Elec/Elec	460v /3ph	Trane	WSC090	ASHP
Boys LR	2	ICP	PGME24	WSHP	460v /3ph	Trane	4YCC3036	Pkg GE
800	4	Cmdaire	RWP404	WSHP	460v /3ph	Trane	4WCC3048	ASHP
802	4	Cmdaire	RWP404	WSHP	460v /3ph	Trane	4WCC3048	ASHP
804	4	Cmdaire	RWP404	WSHP	460v /3ph	Trane	4WCC3048	ASHP
806	4	Cmdaire	RWP404	WSHP	460v /3ph	Trane	4WCC3048	ASHP
808	4	Cmdaire	RWP404	WSHP	460v /3ph	Trane	4WCC3048	ASHP
810	4	Cmdaire	RWP404	WSHP	460v /3ph	Trane	4WCC3048	ASHP
801	2	Cmdaire	RWP204	WSHP	460v /3ph	Trane	4WCC3036	ASHP
811	2	Cmdaire	RWP204	WSHP	460v /3ph	Trane	4WCC3036	ASHP
803	2	Cmdaire	RWP204	WSHP	460v /3ph	Trane	4WCC3036	ASHP
805	3	Cmdaire	RWP304	WSHP	460v /3ph	Trane	4WCC3036	ASHP

N Hall	4	Cmdaire	RWP404	WSHP	460v /3ph	Trane	4WCC3048	ASHP
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814	4	Cmdaire	RWP404	WSHP	460v /3ph	Trane	4WCC3048	ASHP
816	4	Cmdaire	RWP404	WSHP	460v /3ph	Trane	4WCC3048	ASHP
818	4	Cmdaire	RWP404	WSHP	460v /3ph	Trane	4WCC3048	ASHP
820	4	Cmdaire	RWP404	WSHP	460v /3ph	Trane	4WCC3048	ASHP
822	4	Cmdaire	RWP404	WSHP	460v /3ph	Trane	4WCC3048	ASHP
824	4	Cmdaire	RWP404	WSHP	460v /3ph	Trane	4WCC3048	ASHP
S Hall	4	Cmdaire	RWP404	WSHP	460v /3ph	Trane	4WCC3048	ASHP
Hall Off	4	Cmdaire	RWP404	WSHP	460v /3ph	Trane	4WCC3048	ASHP
826	5	Trane	GEHA060	WSHP	460v /3ph	Trane	4WCC3060	ASHP
726	5	Trane	GEHA060	WSHP	460v /3ph	Trane	4WCC3060	ASHP
702	3	Cmdaire	RWP304	WSHP	460v /3ph	Trane	4WCC3036	ASHP
704	4	Cmdaire	RWP404	WSHP	460v /3ph	Trane	4WCC3048	ASHP
706	4	Cmdaire	RWP404	WSHP	460v /3ph	Trane	4WCC3048	ASHP
708	4	Cmdaire	RWP404	WSHP	460v /3ph	Trane	4WCC3048	ASHP
710	4	Cmdaire	RWP404	WSHP	460v /3ph	Trane	4WCC3048	ASHP
712	4	Cmdaire	RWP404	WSHP	460v /3ph	Trane	4WCC3048	ASHP
716	4	Cmdaire	RWP404	WSHP	460v /3ph	Trane	4WCC3048	ASHP
718	4	Cmdaire	RWP404	WSHP	460v /3ph	Trane	4WCC3048	ASHP
720	4	Cmdaire	RWP404	WSHP	460v /3ph	Trane	4WCC3048	ASHP
722	4	Cmdaire	RWP404	WSHP	460v /3ph	Trane	4WCC3048	ASHP
724	4	Cmdaire	RWP404	WSHP	460v /3ph	Trane	4WCC3048	ASHP
WH700	3	Cmdaire	RWP304	WSHP	460v /3ph	Trane	4WCC3036	ASHP
701	?	Cmdaire	N/A	WSHP	460v /3ph	Trane	?	ASHP
703	2	Cmdaire	RWP204	WSHP	460v /3ph	Trane	4WCC3036	ASHP
705	4	Cmdaire	RWP404	WSHP	460v /3ph	Trane	4WCC3048	ASHP
EH700	5	Cmdaire	RWP504	WSHP	460v /3ph	Trane	4WCC3060	ASHP
600	4	Cmdaire	RWP404	WSHP	460v /3ph	Trane	4WCC3048	ASHP
602	4	Cmdaire	RWP404	WSHP	460v /3ph	Trane	4WCC3048	ASHP
604	4	Cmdaire	RWP404	WSHP	460v /3ph	Trane	4WCC3048	ASHP
606	4	Cmdaire	RWP404	WSHP	460v /3ph	Trane	4WCC3048	ASHP
608	4	Cmdaire	RWP404	WSHP	460v /3ph	Trane	4WCC3048	ASHP
610	4	Cmdaire	RWP404	WSHP	460v /3ph	Trane	4WCC3048	ASHP
614	5	Cmdaire	RWP540	WSHP	460v /3ph	Trane	4WCC3060	ASHP
616	4	Cmdaire	RWP404	WSHP	460v /3ph	Trane	4WCC3048	ASHP
618	4	Cmdaire	RWP404	WSHP	460v /3ph	Trane	4WCC3048	ASHP
620	4	Cmdaire	RWP404	WSHP	460v /3ph	Trane	4WCC3048	ASHP
622	4	Cmdaire	RWP404	WSHP	460v /3ph	Trane	4WCC3048	ASHP
624	4	Cmdaire	RWP404	WSHP	460v /3ph	Trane	4WCC3048	ASHP
613	2	Cmdaire	RWP204	WSHP	460v /3ph	Trane	4WCC3036	ASHP
611	2	Cmdaire	RWP204	WSHP	460v /3ph	Trane	4WCC3036	ASHP

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