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PRE-BID MEETING SUMMARY  
LEGISLATIVE HALL HEAT PUMP REPLACEMENT  
OMB/DFM CONTRACT # S MJ1002000007  
ADDENDUM #2

A. General

1. A second walk thru was conducted on Friday April 5<sup>th</sup> at 8:00 am.

B. Questions / Clarifications

1. During the walk thru we found that the existing baseboard heating running along the perimeter of the Main Building is tied into the VAV box controllers. What are we to do with this?

***The perimeter heating control valves shall remain and shall be tied into the new VAV box controllers. The sequence of operation for the VAV boxes shall be modified to activate the perimeter heat valve on a call for heat and the outdoor air temperatures are below 55 degrees (ADJ).***

2. Drawing MPE-001 Note 12. Describes demolition of existing control wire, please confirm that this applies to the wing renovation and not the main building control retrofit work.

***This applies to the wing renovation. The main building control wiring to devices such as sensors, thermostats, valves, dampers, etc. may be reused.***

3. Please confirm it is acceptable to use an existing server currently dedicated to the Automated Logic system and presently residing on the owner's network.

***The new control system shall tie into the State's network and shall be part of the State's overall control network. Local server is not intended on this project.***

4. Specification 23 09 50 – 12 3.04 B. describes reuse of existing wire, conduit and control panel cabinets. Please confirm that the following can be reused in the controls upgrade of the main building:
  - a. Attic control panel cabinets & associated conduit
  - b. Basement Mechanical room control panel cabinets & associated conduit
  - c. Existing input/output wire provided it is undamaged and suitable for the device application.

***Confirmed.***

5. Specification 23 09 50 – 12 3.04 F. describes that existing valves and dampers and their operators can be reused only when pre-approved by the State. Can you specify which existing valves, dampers, and operators are pre-approved for reuse?



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***The existing equipment that is to remain and be retrofitted with new controls may utilize the existing operators, valves and dampers.***

6. Specification 23 09 51 – 9 2.07 C. describes room temperature sensors, and specifically that sensor shall include LCD or LED readout “where indicated”. We do not see any locations on the plans indicating sensors requiring LCD or LED readout – can you clarify whether or not this is required anywhere?

***All sensors shall be provided with set point adjustments and momentary occupancy switches. LED / LCD readouts are not required.***

7. Will control of the existing unit heaters in the Attic be included as part of the new building automation system?

***No. There shall be a temperature sensor installed in each wing of the attic that reports back to the BAS. This sensor shall alarm the BAS when the attic temperature falls below 45 degrees (ADJ.)***

8. Sequence of operation 23 09 58 – 4 3.02 describes demand limiting control. Is there an existing or new electric meter that should be monitored by the BAS?

***Demand limiting is not part of this project as there is not an electric or gas meter being installed on this project.***

9. Sequence of operation 23 09 58 – 7 3.05 describes central plant monitoring, including BTU calculation. Is there an existing or new water flow meter that should be monitored by the BAS?

***Flow meters are not part of the chilled water system on this project.***

10. Sequence of operations 23 09 58 – 6 3.03 A. 2. d. 2) describes use of space CO<sub>2</sub> for performing minimum OA control on the air handling units. Can you clarify if space CO<sub>2</sub> sensors are required, and where?

***The drawings indicate return air CO<sub>2</sub> sensors. This is the intent.***

11. Is there any requirement to monitor natural gas usage? If yes, is there an existing meter or new gas meter that should be monitored by the BAS?

***Demand limiting is not part of this project as there is not an electric or gas meter being installed on this project.***

12. Specification 23 09 50 – 10 1.12 A. does not indicate the warranty period. Please confirm the warranty period shall be 2 years.



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**Yes 2 years is the warranty period.**

13. Specification 23 09 51 – 3 – 2.02 Control Valves (with Auto-flow Balancing), please indicate which applications which require the Auto-flow balancing type valve rather than control valves specified in 2.03.

**All devices shall utilize the control valves specified in section 2.03. Please disregard section 2.02.**

14. Drawing M-106, last note states 'new conduit line'. Please confirm whether plenum rated cable is acceptable above accessible ceilings as Specified 23 09 51-26 3.02 B.5. Also, where is EMT specifically required.

**Plenum rated cable above accessible ceilings is acceptable. This cable shall be installed in bridal rings in a neat workmanlike manor.**

15. Drawing M-107 Note 6. Defines control scope of work for this area. Please confirm Note 6 applies to drawing M-106 and M-108.

**Confirmed, note 6 on drawing M-107 applies to each floor of the main area of the building. (Drawings M-106, M-107 and M-108)**

16. Were VFDs pre-purchased for the new air handling units?

**VFD's are to be provided by the BAS subcontractor for this project.**

17. The note on the structural drawing state the concrete planking is pre-stressed. Does this planking have cable inside that cannot be cut? If so, how are we going to make these penetrations?

**These are not pre-tensioned planks. They are hollow core Tees. Please utilize details supplied on the structural drawings to cut and protect duct penetrations.**

18. Please provide shop drawings on the pre-purchased equipment showing weights, dimensions and splits.

**A link to download the approved submittals will be provided.**

19. Is AHU 6 & 8 Pre-purchased?

**No, these AHU's are part of this project as Alternative #1 and Alternative #2 (see drawings M-104 and M-105).**

20. Was the Platform and Handrail on the Cooling Tower pre-purchased or is it field erected?



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***Provided with the Cooling Tower.***

21. Is it correct that the heating water piping is welded, but the chilled water and condenser water can be grooved?

***No. Condenser water may be grooved but chilled water shall be welded.***

22. Detail on M-703, where do the Air Separate and Expansion Tanks go?

***ET-2 and AS-2 are intended to be located in attic on drawing M-205 the tag "ET-3" shown on M-703 is not part of this project.***

23. The condensate is shown draining into the sanitary, the City of Dover will not allow this per their code. Where should we drain?

***The existing AHU's are located on the elevated portion of attic space and drain condensate to a floor drain. It is not believed that this floor drain is tied into the sanitary system. The intent is to drain the new AHU's to the same location.***

24. On drawing M-501 is RHP 1 & 2 the same as P3 & P4? If not where is this?

***The pre-purchase schedule (P3 & P4) are the same as RHP-1 and RHP-2. These pumps shall be labeled RHP-1 and RHP-2.***

C. Alternates 1 and 2 are now identified on the bid form.

D. Allowances:

1. There is now an \$80,000 allowance on this project to cover unforeseen conditions such as existing equipment found to be currently non-functional, rental of temporary chiller and special moldings to match existing wall decorations.
2. This is now reflected on the updated bid form.

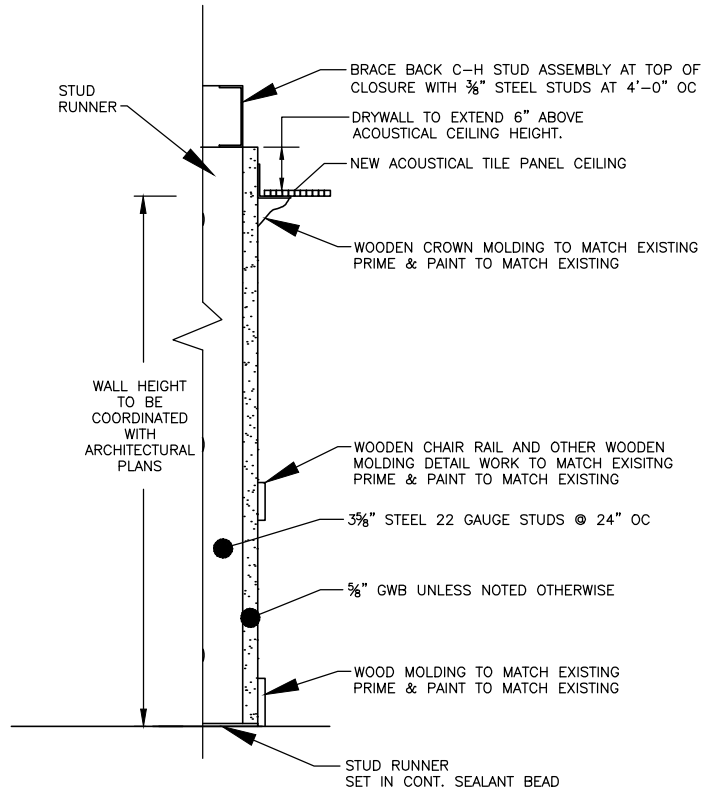
End of Addendum #2

1. Pre-Bid Meeting Summary (this document) (4 pages)
2. Sketch SKM-1 (1 Page)
3. Updated Bid Form (4 pages)

Summarized By: Delaware Engineering and Design Corporation

John R. Farina, PE

Date: April 11, 2013



**1** TYPICAL NEW WALL SECTION  
 SKM-1 SCALE: N.T.S.

- WALL TYPE:  
 (N) 5/8" GYPSUM WALLBOARD  
 (N) 3/8" STEEL 22 GAUGE STUDS @ 24" OC  
 (N) 5/8" GYPSUM WALLBOARD

4/11/2013  
 REVISION-ADDENDUM #2

LEGISLATIVE HALL  
 411 LEGISLATIVE AVENUE  
 DOVER, DE 19901  
 OMB/DFM#MJ1002000007

REFERENCE DRAWING: S-201	
SCALE: SEE DRAWING	PROJ NO: 12P223
DRAWN: SDC	SKM-1
DATE: 4/11/2013	

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LEGISLATIVE HALL HEAT PUMP REPLACEMENT  
DOVER, DELAWARE  
OMB/DFM# MJ1002000007

**BID FORM**

**For Bids Due:** April 15, 2013 (2:30 p.m.) **To:** Mr. John Dunham  
Construction Projects Coordinator  
State of Delaware  
Office of Management and Budget  
540 S. DuPont Highway, Suite 1  
Dover, DE 19901

**Name of Bidder:** \_\_\_\_\_

**Delaware Business License No.:** \_\_\_\_\_ **Taxpayer ID No.:** \_\_\_\_\_

**(Other License Nos.):** \_\_\_\_\_

**Phone No.:** (     ) \_\_\_\_\_ - \_\_\_\_\_ **Fax No.:** (     ) \_\_\_\_\_ - \_\_\_\_\_

The undersigned, representing that he has read and understands the Bidding Documents and that this bid is made in accordance therewith, that he has visited the site and has familiarized himself with the local conditions under which the Work is to be performed, and that his bid is based upon the materials, systems and equipment described in the Bidding Documents without exception, hereby proposes and agrees to provide all labor, materials, plant, equipment, supplies, transport and other facilities required to execute the work described by the aforesaid documents for the lump sum itemized below:

\$ \_\_\_\_\_  
(\$ \_\_\_\_\_ )

Allowance: The contractor shall include in the Base Bid (above) an Eighty Thousand Dollar (\$80,000) allowance for the installation of a temporary chiller during the chiller and cooling tower work, as well as, unforeseen conditions such as existing equipment that is found to be currently non-functional, and special moldings to match existing wall decorations.

Alternate #1: Provide and install new AHU-6 per contract documents.

Add: \$ \_\_\_\_\_  
(\$ \_\_\_\_\_ )

Alternate #2: Provide and install new AHU-8 per contract documents.

Add: \$ \_\_\_\_\_  
(\$ \_\_\_\_\_ )

**BID FORM**

I/We acknowledge Addendums numbered \_\_\_\_\_ and the price(s) submitted include any cost/schedule impact they may have.

This bid shall remain valid and cannot be withdrawn for sixty (60) days from the date of opening of bids, and the undersigned shall abide by the Bid Security forfeiture provisions. Bid Security is attached to this Bid.

The Owner shall have the right to reject any or all bids, and to waive any informality or irregularity in any bid received.

This bid is based upon work being accomplished by the Sub-Contractors named on the list attached to this bid.

Should I/We be awarded this contract, I/We pledge to achieve substantial completion of all the work within \_\_\_\_\_ calendar days of the Notice to Proceed.

The undersigned represents and warrants that he has complied and shall comply with all requirements of local, state, and national laws; that no legal requirement has been or shall be violated in making or accepting this bid, in awarding the contract to him or in the prosecution of the work required; that the bid is legal and firm; that he has not, directly or indirectly, entered into any agreement, participated in any collusion, or otherwise taken action in restraint of free competitive bidding.

Upon receipt of written notice of the acceptance of this Bid, the Bidder shall, within twenty (20) calendar days, execute the agreement in the required form and deliver the Contract Bonds, and Insurance Certificates, required by the Contract Documents.

I am / We are an Individual / a Partnership / a Corporation

By \_\_\_\_\_ Trading as \_\_\_\_\_  
(Individual's / General Partner's / Corporate Name)  
\_\_\_\_\_  
(State of Corporation)

Business Address: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Witness: \_\_\_\_\_ By: \_\_\_\_\_  
(SEAL) ( Authorized Signature )  
\_\_\_\_\_  
( Title )  
Date: \_\_\_\_\_

**ATTACHMENTS**

- Sub-Contractor List
- Non-Collusion Statement
- Bid Security
- (Others as Required by Project Manuals)

LEGISLATIVE HALL HEAT PUMP REPLACEMENT  
DOVER, DELAWARE  
OMB/DFM# MJ1002000007

**BID FORM**

**SUBCONTRACTOR LIST**

In accordance with Title 29, Chapter 6962 (d)(10)b Delaware Code, the following sub-contractor listing must accompany the bid submittal. The name and address of the sub-contractor **must be listed for each category** where the bidder intends to use a sub-contractor to perform that category of work. In order to provide full disclosure and acceptance of the bid by the *Owner*, **it is required that bidders list themselves as being the sub-contractor for all categories where he/she is qualified and intends to perform such work.**

<u>Subcontractor Category</u>	<u>Subcontractor</u>	<u>Address (City &amp; State)</u>	<u>Subcontractors tax payer ID # or Delaware Business license #</u>
1. ELECTRICAL	_____	_____	_____
2. MECHANICAL	_____	_____	_____
1. CONTROLS	_____	_____	_____
2. TESTING & BALANCING	_____	_____	_____
3. CEILING	_____	_____	_____



LEGISLATIVE HALL HEAT PUMP REPLACEMENT  
DOVER, DELAWARE  
OMB/DFM# MJ1002000007

**BID FORM**  
**NON-COLLUSION STATEMENT**

This is to certify that the undersigned bidder has neither directly nor indirectly, entered into any agreement, participated in any collusion or otherwise taken any action in restraint of free competitive bidding in connection with this proposal submitted this date to the Office of Management and Budget, Division of Facilities Management.

All the terms and conditions of OMB/DFM# MJ1002000007 have been thoroughly examined and are understood.

**NAME OF BIDDER:** \_\_\_\_\_

**AUTHORIZED REPRESENTATIVE  
(TYPED):** \_\_\_\_\_

**AUTHORIZED REPRESENTATIVE  
(SIGNATURE):** \_\_\_\_\_

**TITLE:** \_\_\_\_\_

**ADDRESS OF BIDDER:** \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**E-MAIL:** \_\_\_\_\_

**PHONE NUMBER:** \_\_\_\_\_

Sworn to and Subscribed before me this \_\_\_\_\_ day of \_\_\_\_\_ 20\_\_\_\_.

My Commission expires \_\_\_\_\_. NOTARY PUBLIC \_\_\_\_\_.

**THIS PAGE MUST BE SIGNED AND NOTARIZED FOR YOUR BID TO BE CONSIDERED.**

12P223  
 Legislative Hall - Heat Pump Replacement  
 PRE-BID MEETING  
 Fri., March 29, 2013

NAME	COMPANY	PHONE	FAX	EMAIL
John Farina	DEDC	302-738-7172	302-738-7175	<a href="mailto:ifarina@dedc-eng.com">ifarina@dedc-eng.com</a>
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Mike Willis	William G. Day Co.	302 427 3708	302 427 3805	<a href="mailto:mikewillis2@verizon.net">mikewillis2@verizon.net</a>
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Chip Gruber	Schlosser	302 b738 7333	302-738-5692	<a href="mailto:cjgruber@hotmail.com">cjgruber@hotmail.com</a>
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Steve Piech	Diamond State Engineering	302 697 3293	302 697 1328	<a href="mailto:spiech@diamondelectric.org">spiech@diamondelectric.org</a>
Pete Kramer	J.S. Kramer, Inc.	302 422 3900	302 422 4850	<a href="mailto:jskramerc@aol.com">jskramerc@aol.com</a>
Larry Wall	Joseph T Richardson	302 398 8101	302 358 9504	<a href="mailto:larry@jtrmech.net">larry@jtrmech.net</a>
Edward Welch	Flo Mechanical	302-239-7299	856-327-8864	<a href="mailto:larrys@flomechanical.com">larrys@flomechanical.com</a>

12P223  
Legislative Hall - Heat Pump Replacement  
PRE-BID MEETING  
Fri., March 29, 2013

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Bryan Warren	B.W. Electric, Inc	302 491 6154	302 491 6155	<a href="mailto:bwelectric@comcast.net">bwelectric@comcast.net</a>