

STATE OF HAWAII  
DEPARTMENT OF DEFENSE  
OFFICE OF THE ADJUTANT GENERAL  
3949 DIAMOND HEAD ROAD  
HONOLULU, HAWAII 96816-4495

May 17, 2016

**ADDENDUM NO. 1**

HVAC Replacement, Building 46, Kalaeloa, State of Hawaii,  
Department of Defense, Hawaii Army National Guard,  
Job No. CA-1603

The items listed hereinafter are hereby made a part of the contract for the above mentioned project and shall govern the work taking precedence over previously issued contract documents governing the items mentioned. Receipt of this addendum is to be acknowledged on page OF-7 of the proposer's packet.

**The deadline for questions has been changed to June 2, 2016 at 4:30 PM.**

**The Bid Opening date has been changed to June 28, 2016 at 2:00PM.**

The following are questions from the site visit that was held on May 10, 2016.

1. This project is design build solicitation. Will the award be based on low bid?

A. See Offer Form page OF-2, Note #3. *“Contract will be awarded based on the total lump sum bid. If the lowest lump sum bid is not within our budget the deductive bid item cost will be deducted from the lump sum amount and the award will be based on that new amount.”*

2. There is a stated requirement to provide 90 tons of cooling. The existing system is sized for 50 tons of cooling. What options are there to provide additional cooling? Can we base our quote on supplemental cooling using VRF type system? Is the intent to replace and resize all duct and equipment?

A. In the Statement of Work, Page 1, #1. Project Description, second paragraph, line one. Replace *“Provide 90.0 tons of cooling”* with *“Provide seventy-five (75) tons of cooling”*.

New 50-ton chiller and air-handling unit maybe utilized to service existing centrally ducted system. Additional 25-tons of cooling maybe utilized to supplement centrally ducted system. The intent is to utilize existing ducting where possible. Example: New centrally ducted HVAC system may service 2<sup>nd</sup> and 3<sup>rd</sup> floors only; new supplemental cooling on 1<sup>st</sup> floor maybe provided by VRF

type system. Note: Outside air requirements and DDC CO2 sensors are still required in all areas.

3. Please identify doors to be changed.

A. Doors and louvers to be replaced are 1<sup>st</sup> and 2<sup>nd</sup> floor mechanical rooms (two rooms), not boiler or electrical rooms. See provided plans, sheets A111 and A112. Rooms currently have HVAC equipment: 1<sup>st</sup> floor houses chiller and 2<sup>nd</sup> floor houses air-handler unit (AHU).

4. The type of materials is not specified. For example, there is no requirement to use galvanized or stainless fasteners and supports, which we highly recommend for exterior applications. There is no requirement for type of thermal insulation. There is no requirement to TAB each VAV. In other words, there is a lack of detail. Recommend that specifications be provided to ensure desired quality.

A. Exterior applications shall utilize galvanized fasteners and supports. Thermal insulation standards must meet applicable codes and standards: Unified Facilities Criteria (UFC), American Society of Heating, Refrigeration and Air-Conditioning Engineers (ASHRAE), International Code Council to include IEBC, IMC and IECC, and Hawaii Energy requirements. TAB report is required for all HVAC equipment: water and air, to include chiller, AHU, pumps, VAVs, etc.

5. Please identify the 26 VAV boxes to be replaced.

A. As part of the base bid, twenty-six (26) VAV boxes to be replaced maybe on 1<sup>st</sup>, 2<sup>nd</sup> and 3<sup>rd</sup> floors. Intent of replacement VAVs are to control airflow to branch ducting from a specific trunk riser. Eg. If one vertical duct has four branches on 2<sup>nd</sup> floor, all four VAVs would be replaced to control that group in that specific area of the 2<sup>nd</sup> floor.  
See Q6 response.

6. Deductive Bid Item #1 concerns remove/replace 60 VAV boxes. The scope of work only notes 26 boxes. Should this be an "additive" item?

A. In the Statement of Work, Page 1, #1. Project Description, second paragraph, line fourteen. Replace "*Remove and replace **twenty-six (26)** Variable-Air-Volume boxes (VAV)*" with "*Remove and replace **eighty-six (86)** Variable-Air-Volume boxes (VAV)*". Quantity of DDC sensor and controls correlate with VAV quantity.

There are a total of 86 VAV boxes, deductive item 001 is 60 of 86 VAVs. Lump Sum bid - deductive item 001 = Base bid. HIARNG may choose not to fund deductive item 001, and only fund Base bid.

7. Will there be an additional opportunity to submit RFI? We may want to submit RFI based on responses to above questions or we may have questions after we formulate our yet to be determined design/scope of work.

A. Additional questions are due by 4:30 PM on Thursday, June 2, 2016  
Responses should be posted within a week.

Arthur J. Logan  
Major General  
Adjutant General

Posted: May 17, 2016