

**BID DOCUMENTS AND SPECIFICATIONS FOR:  
HVAC EQUIPMENT PREVENTATIVE MAINTENANCE SERVICE  
FOR VARIOUS BUILDINGS AND FACILITIES/FACILITIES ON  
OAHU, JOB NO. CA-202110**

**ISSUED BY:  
STATE OF HAWAII  
DEPARTMENT OF DEFENSE  
3949 DIAMOND HEAD ROAD,  
HONOLULU, HAWAII 96816-4495  
TELEPHONE: 808-369-3567**

**APRIL 2021**

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

**NOTICE TO BIDDERS**

SEALED BIDS for furnishing labor, materials, tools and equipment for "HVAC Equipment Preventative Maintenance Service for Various Buildings/Facilities on Oahu", Job No. CA-202110, will be received in the Engineering Office, State of Hawaii, Department of Defense, located in Building 306-A, Room 228, 3949 Diamond Head Road, Honolulu, Hawaii, up to **2:00 PM on Thursday, May 13, 2021**, and will then and there be publicly opened and read aloud. Proposals may also be mailed to State of Hawaii, Department of Defense, 3949 Diamond Head Road, Honolulu, HI, 96816-4495, **ATTN: HIENG, Room 228**. Bids must be received in the Engineering Office, Room 228, prior to the time and date fixed for opening to be considered. All bids received in the Engineering Office after the time and date fixed for opening will not be considered.

Bidders are advised that the Department of Defense facility at 3949 Diamond Head Road is a secure facility. In order to access the property, bidders and/or their authorized personnel shall present a current driver's license or other form of official identification (with photograph) to the security personnel at the entry gate, and shall inform the security personnel of the building and room number they require access to (State Contracting Section 369-3483). Lack of official identification or knowledge of the building and room to which access is needed are grounds for denial of access onto the property. Bidders should be aware and allow for security screening and random vehicle inspections. The State will not be responsible for late bids due to the afore mentioned reasons.

Proposed work consists of, but not limited to the following: preventive maintenance services including inspections and trouble calls for all HVAC equipment listed for this project.

The estimated cost is between \$200,000 and \$300,000.

A site visit for each location is listed below. Interested Bidders are to register by calling Edardo Mendoza at 808-230-7413 by **4:00 PM on April 16, 2021**. If no response, please leave message giving information of company name, name of all individuals that will attend, and contact phone number. After the call, you may assume you have been registered for the site visit. All interested bidders and subcontractors are welcome. Site visit is recommended but not mandatory.

Site Visit Instructions and Schedule:

For April 20, 2021 Kalaeloa Area site visit:

Meet with Edardo Mendoza between 8:00 a.m. and 8:15 a.m. at the parking area of HIARNG Building 19, Shangrila Street corner Enterprise Avenue, Kalaeloa (Barbers Point), Kapolei.

For April 21, 2021 Pearl City, Wahiawa, and Wheeler AFB Areas site visit:

Meet with Edardo Mendoza between 8:00 a.m. and 8:15 a.m. at the parking area in front of Building 829 (AASF 1), Santos Dumont Avenue, Wheeler AFB. Site visit attendees with no Installation Access Pass, shall secure a day pass from the Schofield Barracks Visitor Control Center at Lyman Gate.

For April 22, 2021 Fort Ruger/Diamond Head Crater Areas site visit:

Meet with Edardo Mendoza between 9:00 a.m. and 9:15 a.m. at the parking area near visitors' entry gate/guard shack of HI State Department of Defense Building 306, 3949 Diamond Head Road, Honolulu.

For April 23, 2021 Waimanalo site visit:

Meet with Edardo Mendoza between 10:00 a.m. and 10:15 a.m. at the entry gate parking area of Regional Training Institute (RTI), 711 Tinker Road, Waimanalo.

Bid Item No.	BUILDING/FACILITY/LOCATION	Start Time	End Time
<b>AREA I: KALAELOA (APRIL 20, 2021)</b>			
1	Building 19 (JFHQ, HHD Admin. Bldg.), Kalaeloa	8:00 a.m.	4:00 p.m.
2	Building 46 (Medical Detachment), Kalaeloa		
3	Building 1784 (HIARNG Staff Bldg.), Kalaeloa		
4	Building 1785 (HIARNG HQ Bldg.), Kalaeloa		
5	Building 1788 (HIARNG HQ Conference Bldg.), Kalaeloa		
6	Building 175 (HIARNG Mail Distribution Center), Kalaeloa		
7	Building 117, (USPFO/FMS 1, CSMS Low Bay Area), Kalaeloa		
8	Building 117B (CSMS 1 External Work Bay), Kalaeloa		
9	Building 1903 (FMO & Env Admin Office), Kalaeloa		
10	Building 1898 (Admin Gen. Purpose Bldg.), Kalaeloa		
11	Building 29 (Readiness Center), Kalaeloa		
12	Building 1874, Kalaeloa		
13	Building 134 (93rd CST Ready Bldg.), Kalaeloa		
14	Building 282 (Admin Gen Purpose Bldg.), Kalaeloa		
15	Building 134 (93rd CST Ready Bldg.), Kalaeloa		
16	Building 30 (Aviation Building), Kalaeloa		
<b>AREA II: PEARL CITY, WHEELER AFB, WAHAIWA (APRIL 21, 2021)</b>			
17	Building 829 (AASF No. 1), Wheeler AFB	8:00 a.m.	12:00 noon
18	Building 832, C/193 Aviation Armory, Wheeler AFB		
19	Building 825, OSA Det 55, Wheeler AFB		
20	Wahiawa Armory, Kamehameha Highway, Wahiawa		
21	Regional Training Site-Maintenance Building, Waihona, Pearl City		
22	103rd Troop Comm RC Bldg. 1, Waihona, Pearl City		
23	103rd Troop Comm Band Bldg. 2, Waihona, Pearl City		
24	UTES Building 21, Waihona, Pearl City		
<b>AREA III: FORT RUGER, DH CRATER (APRIL 22, 2021)</b>			
25	Building 306, Diamond Head road, Honolulu	9:00 a.m.	12:00 noon
26	Building 306A, Diamond Head Road, Honolulu		
27	Building 300/300A, 22nd Avenue, Fort Ruger, Honolulu		
28	Battery 407 Tunnel, Diamond Head Crater		

	<b>AREA IV: WAIMANALO (APRIL 23, 2021)</b>		
29	Buildings 710, 711, 712, 713, 714, 714A, 715, 716	10:00 a.m.	12:00 noon
	711 Tinker Road, Waimanalo		

Bona fide bidders may obtain copies of applicable specifications and bidding documents at the above-named office. Documents may also be downloaded from the State Procurement Office website at <http://spo.hawaii.gov/> and at the State Department of Defense website at <http://dod.hawaii.gov/hieng/>. If prospective bidders obtain copies of the bid documents from sources other than the Contracting and Engineering Office address listed above, then bidders are responsible to register by sending their company name, address, telephone and facsimile number, and email address via email to [estelita.a.pumares@hawaii.gov](mailto:estelita.a.pumares@hawaii.gov).

All requests for substitution, clarification of bidding documents and/or specifications must be received in the office listed above, prior to **4:30 PM on April 26, 2021**. Questions shall be emailed to [estelita.a.pumares@hawaii.gov](mailto:estelita.a.pumares@hawaii.gov).

Late submittals for this solicitation will not be reviewed by this agency.

An Intent to Bid is NOT required to be submitted for this project.

Bidders are required to register on the new Vendor Compliance web site for all tax clearances by going to <http://spo.hawaii.gov> and registering there.

Bidders are responsible for checking for any addenda for this project. The addenda will be posted on the State Procurement Office web site under the project name at <http://spo.hawaii.gov>

The Hawaii Products preference pursuant to ACT 175, SLH 2009, may be applicable for numerous items throughout this solicitation. Persons wishing to certify and qualify a product not currently listed as a Hawaii Product shall submit a Certification for Hawaii Product Preference (form SPO-38) by e-mail to [estelita.a.pumares@hawaii.gov](mailto:estelita.a.pumares@hawaii.gov) prior to 4:30 PM, 15 days prior to the bid opening date for this project. View the current Hawaii Products List on the State Procurement office (SPO) website at <http://hawaii.gov/spo>. For each product, one form shall be completed and submitted (i.e. 3 products should have 3 separate forms completed). The form is available on the SPO webpage at <http://hawaii.gov/spo>.

**CAMPAIGN CONTRIBUTIONS BY STATE AND COUNTY CONTRACTORS PROHIBITED.** If awarded a contract in response to this solicitation, offeror agrees to comply with HRS §11-355, which states that campaign contributions are prohibited from a State and County government contractor during the term of the contract if the contractor is paid with funds appropriated by the legislative body between the execution of the contract through the completion of the contract.

**REQUIREMENT FOR CONTRACTORS LICENSING CLASSIFICATIONS**

Due to the nature of the work contemplated bidder must possess a valid State of Hawaii Contractor's license in the appropriate classification.

General Engineering Contractors holding an 'A' license and General Building Contractors holding a 'B' license are reminded that due to the Hawaii Supreme Court's January 28, 2002 decision in Okada Trucking Co., Ltd. v. Board of Water Supply, et al., 97 Haw. 450 (2002), they are prohibited from undertaking any work, solely or as part of a larger project,

which would require the General Contractor to act as a specialty Contractor in any area in which the General Contractor has no license.

Bidders are solely responsible to review the project requirements, determine the appropriate licenses required, and ensure that they possess and that the Subcontractor(s) listed in their OFFER FORM possess the necessary specialty licenses to perform the work for this project.

Stephen F. Logan  
Colonel  
Acting Adjutant General

Posted: April 5, 2021

**HVAC EQUIPMENT PREVENTATIVE MAINTENANCE SERVICE FOR VARIOUS  
BUILDINGS/FACILITIES ON OAHU, STATE OF HAWAII, DEPARTMENT OF DEFENSE  
HAWAII ARMY NATIONAL GUARD, JOB NO. CA-202110**

Adjutant General  
State Department of Defense  
3949 Diamond Head Road  
Honolulu, Hawaii 96816-4495

Dear Sir:

The undersigned has carefully read and understands the terms and conditions specified in the Specifications, and all documents attached hereto, and hereby submits the following offer to perform the work specified herein, all in accordance with the true intent and meaning thereof. The undersigned further understands and agrees that by submitting this offer, 1) he/she is declaring his/her offer is not in violation of Chapter 84, Hawaii Revised Statutes, concerning prohibited State contracts, and 2) he/she is certifying that the price(s) submitted was (were) independently arrived at without collusion.

The undersigned represents: **(Check  one only)**

- A **Hawaii business** incorporated or organized under the laws of the State of Hawaii, **OR**  
 A **Compliant Non-Hawaii business** not incorporated or organized under the laws of the State of Hawaii. Business shall be registered prior to award at the State of Hawaii Department of Commerce and Consumer Affairs Business Registration Division to do business in the State of Hawaii.

State of incorporation: \_\_\_\_\_

Offeror is:

- Sole Proprietor     Partnership     Corporation     Joint Venture  
 Other \_\_\_\_\_

Federal I.D. No.: \_\_\_\_\_

Hawaii General Excise Tax License I.D. No.: \_\_\_\_\_

Payment address (if other than street address below): \_\_\_\_\_

City, State, Zip Code: \_\_\_\_\_

Business address (street address): \_\_\_\_\_

City, State, Zip Code: \_\_\_\_\_

Respectfully submitted:

Date: \_\_\_\_\_

**(x)** \_\_\_\_\_  
Authorized (Original) Signature (\*1)

Telephone No.: \_\_\_\_\_

Fax No.: \_\_\_\_\_

\_\_\_\_\_  
Name and Title (Please Type or Print)

E-mail Address: \_\_\_\_\_

\_\_\_\_\_  
Exact Legal Name of Company (Offeror) (\*2)

(\*1) Original signature in ink. If unsigned or the affixed signature is a facsimile or a photocopy, the offer shall be automatically rejected unless accompanied by other material, containing an original signature, indicating the Offeror's intent to be bound.

(\*2) If Offeror is a "dba" or a "division" of a Corporation, furnish the exact legal name of the corporation under which the awarded contract will be executed:

The undersigned has carefully examined the attached plans and specifications and hereby proposes to furnish at his own expense all labor, materials, tools, and equipment necessary as shown and called for, in strict accordance with the specifications pertaining thereto, all for the LUMP SUM BID PRICE of (Including all applicable taxes, delivery, unloading, freight charges and other costs involved.):

LUMP SUM BID PRICE (Total Yearly Cost)

DOLLARS (\$\_\_\_\_\_).

[BIDDER'S INSTRUCTIONS: Fill in the total lump sum bid price in numbers and write out the total lump sum bid price in words. Prices shall be written in ink or typed.]

The undersigned hereby provides a breakdown of the LUMP SUM amount. There are no additive and deductive items in this project.

Bid Item No.	BUILDING/FACILITY/LOCATION	Yearly Cost
1	Building 19 (JFHQ, HHD Admin. Bldg.), Kalaeloa	
2	Building 46 (Medical Detachment), Kalaeloa	
3	Building 1784 (HIARNG Staff Bldg.), Kalaeloa	
4	Building 1785 (HIARNG HQ Bldg.), Kalaeloa	
5	Building 1788 (HIARNG HQ Conference Bldg.), Kalaeloa	
6	Building 175 (HIARNG Mail Distribution Center), Kalaeloa	
7	Building 117, (USPFO/FMS 1, CSMS Low Bay Area), Kalaeloa	
8	Building 117B (CSMS 1 External Work Bay), Kalaeloa	
9	Building 1903 (FMO & Env Admin Office), Kalaeloa	
10	Building 1898 (Admin Gen. Purpose Bldg.), Kalaeloa	
11	Building 29 (Readiness Center), Kalaeloa	
12	Building 1874, Kalaeloa	
13	Building 134 (93rd CST Ready Bldg.), Kalaeloa	
14	Building 282 (Admin Gen Purpose Bldg.), Kalaeloa	
15	Building 134 (93rd CST Ready Bldg.), Kalaeloa	
16	Building 30 (Aviation Building), Kalaeloa	
17	Building 829 (AASF No. 1), Wheeler AFB	
18	Building 832, C/193 Aviation Armory, Wheeler AFB	
19	Building 825, OSA Det 55, Wheeler AFB	
20	Wahiawa Armory, Kamehameha Highway, Wahiawa	
21	Regional Training Site-Maintenance Building, Waihona, Pearl City	
22	103rd Troop Comm RC Bldg. 1, Waihona, Pearl City	
23	103rd Troop Comm Band Bldg. 2, Waihona, Pearl City	
24	UTES Building 21, Waihona, Pearl City	
25	Building 306, Diamond Head road, Honolulu	
26	Building 306A, Diamond Head Road, Honolulu	
27	Building 300/300A, 22nd Avenue, Fort Ruger, Honolulu	

28	Battery 407 Tunnel, Diamond Head Crater	
29	Buildings 710, 711, 712, 713, 714, 714A, 715, 716	
	711 Tinker Road, Waimanalo	

**Hawaii Products available for this project are as follows:**

Product Description	Class I, II or III	Manufacturer	Cost
			\$
			\$

**NOTE:**

1. Contract will be awarded based on the total lump sum bid.
2. The prices listed in this Offer Form are firm and fixed for a minimum of 90 days from the date set for opening of the bids for this project unless otherwise noted above.
3. The State reserves the right to determine the extent of the contract by selecting and/or omitting bid items (not necessarily in numerical sequence or all of the bid items in the bid schedule) to the extent required to come within the funds available for the project. The award of the contract shall be made to the responsible bidder whose aggregate total on any combination or all of the bid items are the lowest.
4. Failure to submit complete item bids will cause the rejection of this proposal.
5. A site visit for each location is listed below. Interested Bidders are to register by calling Edardo Mendoza at 808-230-7413 by **4:00 PM on April 16, 2021**. If no response, please leave message giving information of company's name, attendee's name, and attendee's contact number. After the call, you may assume you have been registered for the site visit. All interested bidders and subcontractors are welcome. Site visit is recommended but not mandatory.

**Site Visit Instructions and Schedules:**

For April 20, 2021 Kalaeloa Area site visit:

Meet with Ed Mendoza between 8:00 a.m. and 8:15 a.m. at the parking area of HIARNG Building 19, Shangrila Street corner Enterprise Avenue, Kalaeloa (Barbers Point), Kapolei.

For April 21, 2021 Pearl City, Wahiawa, and Wheeler AFB Areas site visit:

Meet with Ed Mendoza between 8:00 a.m. and 8:15 a.m. at the parking area in front of Building 829 (AASF 1), Santos Dumont Avenue, Wheeler AFB. Site visit attendees with no Installation Access Pass, shall secure a day pass from the Schofield Barracks Visitor Control Center at Lyman Gate.

For April 22, 2021 Fort Ruger/Diamond Head Crater Areas site visit:  
 Meet with Ed Mendoza between 9:00 a.m. and 9:15 a.m. at the parking area near visitors' entry gate/guard shack of HI State Department of Defense Building 306, 3949 Diamond Head Road, Honolulu.

For April 23, 2021 Waimanalo site visit:  
 Meet with Ed Mendoza between 10:00 a.m. and 10:15 a.m. at the entry gate parking area of Regional Training Institute (RTI), 711 Tinker Road, Waimanalo.

Bid Item No.	BUILDING/FACILITY/LOCATION	Start Time	End Time
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1	Building 19 (JFHQ, HHD Admin. Bldg.), Kalaeloa	8:00 a.m.	4:00 p.m.
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15	Building 134 (93rd CST Ready Bldg.), Kalaeloa		
16	Building 30 (Aviation Building), Kalaeloa		
<b>AREA II: PEARL CITY, WHEELER AFB, WAHAIAWA (APRIL 21, 2021)</b>			
17	Building 829 (AASF No. 1), Wheeler AFB	8:00 a.m.	12:00 noon
18	Building 832, C/193 Aviation Armory, Wheeler AFB		
19	Building 825, OSA Det 55, Wheeler AFB		
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22	103rd Troop Comm RC Bldg. 1, Waihona, Pearl City		
23	103rd Troop Comm Band Bldg. 2, Waihona, Pearl City		
24	UTES Building 21, Waihona, Pearl City		
<b>AREA III: FORT RUGER, DH CRATER (APRIL 22, 2021)</b>			
25	Building 306, Diamond Head road, Honolulu	9:0 a.m.	12:00 noon
26	Building 306A, Diamond Head Road, Honolulu		
27	Building 300/300A, 22nd Avenue, Fort Ruger, Honolulu		
28	Battery 407 Tunnel, Diamond Head Crater		

	<b>AREA IV: WAIMANALO (APRIL 23, 2021)</b>		
29	Buildings 710, 711, 712, 713, 714, 714A, 715, 716	10:00 a.m.	12:00 noon
	711 Tinker Road, Waimanalo		

6. Term of contract shall be from September 29, 2021 to September 28, 2022.
7. **OPTION TO RENEW:** Contract may be renewed by mutual agreement for no more than four one-year renewal periods.

**CAMPAIGN CONTRIBUTIONS BY STATE AND COUNTY CONTRACTORS PROHIBITED.** If awarded a contract in response to this solicitation, offeror agrees to comply with HRS §11-355, which states that campaign contributions are prohibited from a State and County government contractor during the term of the contract if the contractor is paid with funds appropriated by the legislative body between the execution of the contract through the completion of the contract.

**TAX CLEARANCES FROM THE STATE DIRECTOR OF TAXATION AND INTERNAL REVENUE SERVICE.** Contractors are required to provide a state and federal tax clearance as a prerequisite to entering into a public contract of \$2,500 or more. To meet this requirement, all bidders shall submit valid tax clearances with their bid proposals when the bid is \$2,500 or more.

In accordance with Act 190 Amendment to HRS 103D-310(c), required as a prerequisite to entering into a contract, the contractor shall register on the Hawaii Compliance Express web site for all tax clearances by going to <http://spo.hawaii.gov> and registering there.

A Certificate of Vendor Compliance generated from this website should be included with their bid proposal. A Compliant status is required prior to awarding the contract.

**HAWAII PRODUCTS PREFERENCE.** In accordance with ACT 175, SLH 2009, the Hawaii Products Preference is applicable to this solicitation. Hawaii products may be available for those items noted on the offer form. The Hawaii Products List is available on the State Procurement Office (SPO) website at <http://spo.hawaii.gov/> search for "Hawaii Product Preferences".

**Offeror offering a Hawaii Product (HP) shall identify the HP on the solicitation offer pages.** Any person desiring a Hawaii product preference shall have the product(s) certified and qualified if not currently on the Hawaii Products list, prior to the deadline for receipt of offer(s) specified in the procurement notice and solicitation. The responsibility for certification and qualification shall rest upon the person requesting the preference.

Persons desiring to qualify their product(s) not currently on the Hawaii Product list shall complete form SPO-38, *Certification for Hawaii Product Preference*, and submit to the Department of Defense, Contracting Officer, and provide all additional information required by the Contracting Officer no later than 4:30pm, fifteen (15) calendar days prior to the bid opening date. For each product, one form shall be completed and submitted

(i.e. 3 products should have 3 separate forms completed). The form is available on the SPO webpage at <http://spo.hawaii.gov/> search for "Forms" and select form SPO-38.

Late submittals for this project will not be reviewed by the Department.

Change in Availability of Hawaii Product

In the event of any change that materially alters the offeror's ability to supply Hawaii Products, the offeror shall immediately notify the Contracting Officer in writing and the parties shall enter into discussions for the purposes of revising the contract or terminating the contract for convenience.

Offerors shall indicate in the Hawaii Product Schedule below whether the pre-approved Hawaii Products are offered. Offerors offering a Hawaii Product shall fill-in the quantity, unit measure, unit price and total price for the Hawaii Product they desire to be considered for preference. Products not pre-approved shall not be considered. Hawaii Products not meeting the requirements of the specification shall not be considered.

Offerors selecting the Hawaii Product preference may be required to submit additional information on the cost basis of their selected Hawaii Product preference items when requested after the bid opening to verify cost of the Hawaii Products, including the computations for the estimated quantities, manufacturer's or supplier's quotations, and delivered material cost Free on Board (FOB) at the jobsite. The Hawaii Product Cost shall not include installation costs.

It is further understood and agreed that:

1. The Adjutant General or his designated representative reserves the right to reject any and/or all bids and waive any defects when, in his opinion, such rejection or waiver will be in the best interest of the State.
2. The award of the contract shall be conditioned upon funds being made available for these projects and further upon the right of the Adjutant General or his designated representative to hold all bids received for a period of ninety (90) days from the date of the opening thereof, unless otherwise required by law, during which time no bid may be withdrawn.
3. The liquidated damages are being waived for this contract.
4. By submitting this proposal, the undersigned is declaring his firm has not been assisted or represented on this matter by an individual who has, in a State capacity, been involved in the subject matter of this contract in the past two years.
5. Upon the acceptance of the proposal by the Adjutant General or his designated representative, the undersigned must enter into and execute a contract for the same as required by law.
6. If the lowest bid received by the State exceeds the funds available for this project, the State reserves the right to negotiate with the lowest responsible bidder as permitted under Section 103D-302, Hawaii Revised Statutes, as amended, to reduce the scope of work and award a contract therefore.
7. This contract may be awarded as an informal contract as determined by the Adjutant General or his designated representative in accordance with the applicable Hawaii Revised Statutes as amended, whereby a purchase order will be executed and used as the formal contract.
8. It is further agreed by the parties that any portion of the Contract price payable to the Contractor out of federal funds shall be paid to the Contractor only when such federal funds are received, and this contract shall not be construed as binding the State to pay said portion out of any fund other than those which are received from the Federal government.

Receipt of the following addenda issued by the Department is acknowledged by the day(s) of the receipt indicated below:

Addendum No. 1 \_\_\_\_\_ Addendum No. 2 \_\_\_\_\_  
Date  
Addendum No. 3 \_\_\_\_\_ Addendum No. 4 \_\_\_\_\_

It is understood that failure to receive any such addendum shall not relieve the Contractor from any obligation under this Proposal as submitted. (See Special Notice to Bidders for information regarding addenda.)

Respectfully submitted,

HAWAII GENERAL EXCISE TAX

\_\_\_\_\_  
Name of Company

I.D. NO. \_\_\_\_\_

By \_\_\_\_\_  
\*Signature

LICENSE CLASSIFICATION  
AND/OR SUBCLASSIFICATION  
NO. \_\_\_\_\_

\_\_\_\_\_  
Print Name

Title \_\_\_\_\_

Date \_\_\_\_\_

Address \_\_\_\_\_

Telephone \_\_\_\_\_

(CORPORATE SEAL)

\*Please attach to this page evidence of the authority of this officer to submit bids on behalf of the Company, and also the names and residence addresses of all officers of the Company.

NOTE: Fill in all blank spaces with the information asked for or bid may be invalidated.  
PROPOSAL PAGES MUST BE INTACT; MISSING PAGES MAY INVALIDATE YOUR BID.

(Name of Corporation)  
Corporate Resolution

I, \_\_\_\_\_, Secretary of \_\_\_\_\_  
Corporation,  
a \_\_\_\_\_ Corporation, do hereby certify that the following is a full, true  
and correct copy of a resolution duly adopted by the Board of Directors of said corporation, at its  
meeting duly called and held at the office of the Corporation \_\_\_\_\_  
Street, \_\_\_\_\_, on the \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_, at  
which a quorum was present and acting throughout, and that said resolution has not been  
modified, amended or rescinded and continues in full force and effect:

“RESOLVED that any individual at the time holding the position of President, Vice  
President, Secretary or Treasurer be, and each of them hereby is, authorized to execute on behalf  
of the Corporation any bid, proposal or contract for the sale or rental of the products of the  
Corporation or for services to be performed by the Corporation, and to execute any bond  
required by any such bid, proposal or contract with the United States Government or the State of  
Hawaii or the City and County of Honolulu, or any County or Municipal Government of said  
State, or any department or subdivision of any of them.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed the corporate seal of said  
\_\_\_\_\_ Corporation this \_\_\_\_\_ day of  
\_\_\_\_\_, 20\_\_.

\_\_\_\_\_  
Secretary

(Names and Address of:)

President:

Vice President:

Secretary:

Treasurer:

## SPECIAL NOTICE TO BIDDERS – GOODS AND SERVICES

QUALIFICATIONS OF BIDDERS - Prospective bidders must be capable of performing the work for which bids are being called.

The Department of Defense no longer requires a submittal of "INTENTION TO BID" unless otherwise stated in the notice to bidders.

If a notice to bid is required, the written notice shall be received no later than TEN calendar days prior to the date designated for opening bids. If the 10th calendar day prior to the day designated for opening bids is a weekend or legal State holiday, then the written notice must be received no later than the last working day immediately prior to said weekend or State holiday. The written notice will be time stamped when received by said office. The time designated by the time stamping device in said office shall be official. If the written notice is hand carried, then the bearer is responsible to ensure that the notice is time stamped by said office.

It is the responsibility of the prospective bidder to ensure that the written notice of intention to bid is received in time and the State assumes no responsibility for failure of timely delivery caused by the prospective bidder or by any method of conveyance chosen by the prospective bidder.

If two (2) or more prospective bidders desire to bid jointly as a joint venture on a single project, they must file an affidavit of joint venture with their notice of intention to bid. Such affidavit of joint venture will be valid only for the specific project for which it is filed. No further license is required when all parties to the joint venture possess current and appropriate contractor's licenses. Joint venture are required to be licensed in accordance with Chapter 444 of the Hawaii Revised Statutes, as amended, and the rules and regulations of the Contractor's License Board when any party to the joint venture agreement does not hold a current or appropriate contractor's license.

The Adjutant General or his designated representative may, in accordance with Section 103D-310, Hawaii Revised Statutes, require the prospective bidder to submit answers to questions in the "Standard Questionnaire and Financial Statement for Bidders," on the form provided by the Department, properly executed and notarized, setting forth a complete statement of the experience of such prospective bidder and his organization in performing similar work and a statement of the equipment proposed to be used, together with adequate proof of the availability of such equipment, at least forty-eight (48) hours prior to the time advertised for the opening of bids. If the information in the questionnaire proves satisfactory, the bidder's proposal will be received. All information contained in the answers to the questionnaire shall be kept confidential. The questionnaire will be returned to the bidder after it has served its purpose.

If upon review of the Questionnaire, or otherwise, the bidder appears not fully qualified or able to perform the intended work, the Adjutant General or his designated representative shall, after

affording the bidder an opportunity to be heard and if still of the opinion that the bidder is not fully qualified to perform the work, refuse to receive or to consider any bid offered by the prospective bidder.

Failure to complete the prequalification questionnaire, (IF SENT TO YOU), will be sufficient cause for the Department to disqualify a prospective bidder.

INTERPRETATION OF QUANTITIES IN BID SCHEDULE. When quantities for individual items of work are listed in the bid form for which respective unit prices are asked, said quantities are to be considered as approximate and are to be used by the Department only for the purpose of comparing on a uniform basis bids offered for the work. The Department does not, expressly or by implication, agree that the actual quantity of work will correspond therewith. The undersigned agrees that he/she is satisfied with and will at no time dispute said estimated quantities as a means of comparing the bids.

After determining the low bidder by comparison of bids submitted in accordance with the proposal form, the Adjutant General or his designated representative reserves the right to increase or decrease the scope of the improvement.

On unit price bids, payment will be made only for the actual number of units incorporated into the finished project at the unit price bid.

It is understood and agreed that the contractor will make no claim for anticipated profit or loss of profit due to the Department's right to eliminate entirely portions of the work or to increase or decrease any or all of the quantities shown in the proposal form.

CONTENTS OF PROPOSAL FORMS. Prospective bidders will be furnished with proposal forms giving the location, description, and the contract time of the work contemplated for which a lump sum bid price is asked or containing a schedule of items, together with estimated quantities of work to be performed and materials to be furnished, for which unit bid prices and/or lump sum bid prices are asked.

Proposal forms will also include a listing of joint contractor and/or subcontractors asking the name of each person or firm to be engaged on the project as a joint contractor or subcontractor.

All papers bound with or attached to the proposal form shall be considered a part thereof and shall not be detached or altered when the proposal is submitted.

The plans, specifications and other documents designated in the proposal form, will also be considered a part thereof whether attached or not.

BIDDERS RESPONSIBILITY FOR EXAMINATION OF PLANS, SPECIFICATIONS, SITE OF WORK, ETC. The bidder shall examine carefully the site work contemplated and the proposal, plans, specifications, supplemental specifications, special provisions and contract and bond forms therefore. The submission of a bid shall be considered as a warranty that the bidder has

made such examination and is satisfied with the conditions to be encountered in performing the work and with the requirements of the plans, specifications, supplemental specifications, special provisions, contract and bond.

No extra compensation will be given by reason of the Contractor's misunderstanding or lack of knowledge of the requirements of the work to be accomplished or the conditions to be encountered in performing the project.

ADDENDA AND INTERPRETATIONS. Discrepancies, omissions, or doubts as to the meaning of drawings and specifications should be communicated in writing to: Department of Defense, State of Hawaii, ATTN: HIENG, 3949 Diamond Head Road, Honolulu, HI, 96816, for the interpretation and must be received by the Engineering Office, Department of Defense, no later than fourteen (14) calendar days prior to the date fixed for bid opening. Any interpretation, if made, and any supplemental instructions will be in the form of written addenda to the specifications, which will be electronically mailed to all registered prospective bidders at the respective email addresses furnished for such purposes and can also be accessed from the State Procurement Office website at <http://spo.hawaii.gov/> and at the State Department of Defense website at <http://dod.hawaii.gov/hieng/>, prior to the date fixed for the opening bids. Failure of any bidder to receive any such addendum or interpretations shall not relieve such bidder from any obligation under his bid as submitted. All addenda so issued shall become part of the contract documents.

PREPARATION OF PROPOSAL. The bidder's proposal must be submitted on the proposal form furnished by the Department. The proposal must be prepared in full accordance with the instructions therein. The bidder must state, both in words and numerals, the lump sum price at which the work contemplated is proposed to be done. These prices must be written in ink or typed. Prices written in pencil are not acceptable. In case of a discrepancy between the prices written in words and those written in figures, the words shall govern over the figures. The bidder shall sign the proposal in the spaces provided with ink.

If the proposal is made by an individual, his name and post office address must be shown in the space provided. If made by a partnership, the name and post office address of each member of the partnership must be shown and the proposal signed by all partners or evidence in the form of a partnership agreement must be submitted showing the authority of the partner to enter, on behalf of said partnership, into contract with the State. If made by a corporation, the proposal must show the name, title, and business address of the president, secretary and treasurer and also evidence in the form of a corporate resolution must be submitted showing the authority of the particular corporate representative to enter on behalf of said corporation into contract with the State. (See sample). If made by a joint venture the name and post office address of each member of the individual form, partnership or corporation comprising the joint venture must be shown with other pertinent information required of individuals, partnerships or corporations as the case may be. The proposal must be signed by all parties to the joint venture or evidence in the form of a Joint Venture Agreement must be submitted showing the authority of the Joint Venture's representative to enter on behalf of said Joint Venture into contract with the State.

Pursuant to the requirements of Section 103D-302, Hawaii Revised Statutes, each bidder shall include in his bid the name of each person or firm to be engaged by the bidder on the project as joint contractor or subcontractor indicating also the nature and scope of work to be performed by such joint contractor and/or subcontractor.

DELIVERY OF PROPOSALS. The entire proposal shall be placed in a sealed envelope so marked as to indicate the identity of the project, the project number, the date of bid opening and the name and address of the bidder and then delivered as indicated in the Notice to Bidders. Bids which do not comply with this requirement may not be considered. Proposals will be received up to the time fixed in the public notice for opening of bids and must be in the hands of the officials by that time indicated. The words 'SEALED BID' must be clearly written or typed on the face of the sealed envelope containing the proposal package.

WITHDRAWAL OR REVISION OF PROPOSALS. Any bid may be withdrawn or revised at any time prior to, but not after, the time fixed in the public notice for the opening of bids, provided that a request in writing, executed by the bidder or his duly authorized representative, for the withdrawal or revision of such bid is filed with the Adjutant General before the time set for the opening of bids. The withdrawal of a bid shall not prejudice the right of a bidder to file a new bid. Whether or not bids are opened exactly at the time fixed in the public notice for opening bids, a bid will not be received after that time, nor may any bid be withdrawn after the time fixed in the public notice for the opening of bids.

PUBLIC OPENING OF PROPOSALS. Proposals will be opened and read publicly at the time and place indicated in the Notice to Bidders. Bidders, their authorized agents, and other interested parties are invited to be present.

DISQUALIFICATION OF BIDDERS. Any one or more of the following causes will be considered as sufficient for the disqualification of a bidder and the rejection of his proposal or proposals:

- A. Evidence of collusion among bidders.
- B. Lack of responsibility and cooperation as shown by past work.
- C. Being in arrears on existing contracts with the State of Hawaii or having defaulted on a previous contract.
- D. Lack of proper equipment and/or sufficient experience to perform the work contemplated.
- E. More than one proposal for the same work from an individual, firm, partnership, corporation, or joint venture under the same or different name.
- F. Delivery of bids after the deadline specified in the advertisement calling for bids.

- G. Failure to pay, or satisfactorily settle, all bids overdue for labor and material on former contracts in force at the time of issuance of proposal forms.

CONSIDERATION OF PROPOSALS. After the proposals are opened and read, the figures will be extended and/or totaled in accordance with the bid prices of the acceptable proposals and the totals will be compared and the results of such comparison shall immediately be made public. In the comparison of bids, words written in the proposals will govern over figures and unit prices will govern over totals. Until the award of the contract, however, the right will be reserved to reject any and all proposals and to waive any defects or technicalities as may be deemed best for the interest of the State.

IRREGULAR PROPOSALS. Proposals will be considered irregular and may be rejected for the following reasons:

- A. If the proposal is unsigned.
- B. If proposal is on a form other than that furnished by the Department or if the form is altered or any part thereof detached.
- C. If the proposal shows any non-compliance with applicable law, alteration of form, additions not called, conditional bids, incomplete bids, uninitiated erasures, other defects, or if the prices are obviously unbalanced, or if sufficient funds are not available to prosecute the work.
- D. If the bidder adds any provisions reserving the right to accept or reject an award, or to enter into a contract pursuant to an award.

This does not exclude a proposal limiting the maximum gross amount of awards acceptable to any one bidder at any one bid letting, provided that any selection of awards will be made by the Department.

- E. When a proposal is signed by an officer or officers of a corporation and a currently certified corporate resolution authorizing such signer(s) to submit such proposal is not submitted with the proposal or when the proposal is signed by an agent other than the officer or officers of a corporation or a member of a partnership and a Power of Attorney is not submitted with the proposal.

AWARD OF CONTRACT. The award of contract, if it be awarded, will be made within ninety (90) consecutive calendar days after the opening of the proposals to the lowest responsible and responsive bidder (including the alternate or alternates which may be selected by the Adjutant General in the case of alternate bids) whose proposal complies with all the requirements prescribed, but in no case will an award be made until all necessary investigations are made. The successful bidder will be notified by letter mailed to the address shown on the proposal that his bid has been accepted and that he has been awarded the contract.

No contract will be awarded to any person or firm suspended under the provisions of Chapter 104 and Chapter 444, Hawaii Revised Statutes, as amended.

CANCELLATION OF AWARD. The Adjutant General or his designated representative reserves the right to cancel the award of any contract at any time before the execution of said contract by all parties without any liability to the awardee and to any other bidder.

EXECUTION OF THE CONTRACT. The contract shall be signed by the successful bidder and returned, within ten (10) consecutive calendar days, after the bidder has received his contract for execution or within such further time as the Adjutant General or his designated representative may allow. No proposal or contract shall be considered binding upon the State until the contract has been fully and properly executed by all parties thereto and the Adjutant General or his designated representative has endorsed therein his certificate, as required by Section 103D-309, Hawaii Revised Statutes, that there is an available unexpended appropriation or balance of an appropriation over and above all outstanding contracts sufficient to cover the State's amount required by such contract.

On any individual award totaling less than \$50,000, the State reserves the right to execute the contract by the issuance of a State Purchase Order. Acceptance shall result in a binding contract between the parties without further action by the State. Executing the contract by Purchase Order shall not be deemed a waiver of these specification requirements.

PROTECTION OF PROPERTY. The Contractor shall confine all of his operations to the immediate vicinity of the work and take all necessary precautions during the progress of the work to protect the adjoining property from damage and injury. The Contractor shall repair and make good to the entire satisfaction of the Engineer any damages to existing utilities, streets, sidewalks and other properties.

The Contractor shall repair the damaged or disturbed utilities to existing condition at no cost to the State. Any damage claims due to the disruption of services caused by the utilities being damaged or disturbed shall be paid by the Contractor who shall save harmless the State from all suits, actions or claims of any character.

PERMITS AND LICENSES. The Contractor shall procure all permits and licenses, pay all charges and fees and give all notices necessary and incident to the due and lawful prosecution of the work.

LAWS TO BE OBSERVED. The Contractor at all times shall observe and comply with all Federal, State and local laws or ordinances, rules and regulations which in any manner affect those engaged or employed in the work, the materials used in the work, and the conduct of the work. The Contractor shall also comply with all such orders and decrees of bodies or tribunals having any jurisdiction or authority over the work. Any reference to such laws, ordinances, rules and regulations shall include any amendments thereto.

LIABILITY INSURANCE. The Contractor shall not commence any work until it obtains, at its own expense, all required liability insurance. Such insurance must have the approval of the

State as to limit form and amount and must be maintained with a company acceptable to the State. Such insurance must be maintained for the full period of the contract and shall provide protection from claims arising out of or resulting from the Contractor's operations under the Contract itself or by any Subcontractor or by anyone directly or indirectly employed by any of them or by anyone for whose acts any of them may be liable.

The Contractor shall take out and maintain during the life of this contract broad form public liability (Bodily Injury) and broad form property damage liability insurance in a combined single limit not less than \$1,000,000 and not less than \$2,000,000 in the aggregate to protect such contractor and all his subcontractors from claims for damages for personal injury, accidental death and property damage which may arise from operations under this contract, whether such operations be by himself or by any subcontractor or anyone directly or indirectly employed by either of them.

The insurance described herein will be maintained by the Contractor for the full period of the Contract and in no event will be terminated or otherwise allowed to lapse prior to final acceptance of the work by the State.

A certificate of insurance acceptable to the State shall be filed with the State prior to commencement of the work. Such certificate shall contain a provision that coverage afforded under the policy will not be canceled or changed until at least thirty days written notice has been given to the State by registered mail at the address denominated for the State in the Contract for official communications to it should any policy be canceled before final acceptance by the State, and the Contractor fails to immediately procure replacement insurance as specified, the State reserves the right to procure such insurance and to deduct the cost thereof from any sum due the Contractor.

CHARACTER OF WORKERS OR EQUIPMENT. The Contractor shall at all times provide adequate supervision and sufficient labor and equipment for prosecuting the several classes of work to full completion and within the time required by the contract.

- A. Character and Proficiency of Workers – All workers must have sufficient skill and experience to perform the work assigned to them and in the operation of the equipment.

Any worker employed on the project by the Contractor or subcontractor who, in the opinion of the Engineer or his authorized representative, is not careful and competent, does not perform his work in a proper and skillful manner or is disrespectful, intemperate, disorderly or neglects or refuses to comply with directions given, or is otherwise objectionable shall, at the written request of the Engineer, be removed forthwith by the Contractor or subcontractor employing such worker and shall not be employed again in any portion of the work without the written consent of the Engineer. Should the Contractor or subcontractor continue to employ, or again employ such person(s) on the project, the Engineer will withhold all estimates which are or may become due, or the Engineer will suspend the work until such orders are complied with.

- B. Insufficient Workers – In the event that the Engineer, in his judgment, finds the condition whereby insufficient workers are present to accomplish the work and no corrective action is taken by the Contractor after being informed, the Engineer reserves the right to terminate the contract.
- C. Equipment Requirements – All equipment furnished by the Contractor and used shall be of such size and of such mechanical condition that the work can be prosecuted in an acceptable manner.

NOTICE TO PROCEED. After the contract is fully executed, the Contractor will be sent a formal "Notice to Proceed" advising the Contractor of the date on which he may proceed with the work. The Contractor shall be allowed ten (10) consecutive working days from said date to begin his work. In the event that the Contractor refuses or neglects to start the work, the Adjutant General or his designated representative may terminate the contract.

## SPECIAL PROVISIONS FOR GOODS AND SERVICES CONTRACTS

### **RESPONSIBILITY OF OFFERORS**

Offeror shall furnish proof of compliance in accordance with Act 190 Amendment to HRS 103D-310(c)

Required as a prerequisite to entering into a contract, the contractor shall register on the Hawaii Compliance Express web site for all tax clearances by going to <http://vendors.ehawaii.gov> and registering there.

A Certificate of Vendor Compliance generated from this website should be included with their bid proposal. A Compliant status is required prior to awarding the contract.

### **BID PREPARATION**

**Offer Form, Page OF-1.** Offeror is requested to submit its offer using Offeror's exact legal name as registered with the Department of Commerce and Consumer Affairs, if applicable; and to indicate exact legal name in the appropriate space on Offer Form, page OF-1. Failure to do so may delay proper execution of the contract.

The authorized signature on the first page of the Offer Form shall be an original signature in ink. If unsigned or the affixed signature is a facsimile or a photocopy, the offer shall be automatically rejected unless accompanied by other material, containing an original signature, indicating the Offeror's intent to be bound.

**Hawaii Business.** A business entity referred to as a "Hawaii business", is registered and incorporated or organized under the laws of the State of Hawaii.

**Compliant non-Hawaii business.** A business entity referred to as a "compliant non-Hawaii business," is not incorporated or organized under the laws of the State of Hawaii but is registered to do business in the State.

**Tax Liability.** Work to be performed under this solicitation is a business activity taxable under Chapter 237, Hawaii Revised Statutes (HRS), and vendors are advised that they are liable for the Hawaii GET at the current rate.

**4.712% tax rate.** All businesses located on Oahu are required to pay the ½% County Surcharge tax on all Oahu transactions for which they pay the 4% GE tax. Neighbor island and out-of-state businesses that deliver goods or services to Oahu and have a 'physical presence' on Oahu, must pay the new ½% County Surcharge tax on their Oahu transactions.

4% tax rate. Neighbor island and out-of-state businesses that do not deliver any goods or services to Oahu are not subject to the new ½% County Surcharge tax.

If, however, an Offeror is a person exempt by the HRS from paying the GET and therefore not liable for the taxes on this solicitation, Offeror shall state its tax exempt status and cite the HRS chapter or section allowing the exemption.

**Taxpayer Preference.** For evaluation purposes, pursuant to §103D-1008, HRS, the bidder's tax-exempt price offer submitted in response to an IFB shall be increased by the applicable retail rate of general excise tax and the applicable use tax. Under no circumstance shall the dollar amount of the award include the aforementioned adjustment.

## **AWARD OF CONTRACT**

**Method of Award.** Award, if made, shall be to the responsive, responsible offeror submitting the lowest Lump Sum Bid.

**Responsibility of Lowest Responsive Bidder.** Reference Responsibility of Offerors in §3-122-112, HAR. If compliance documents have not been submitted to the State Department of Defense prior to award, the lowest responsive offeror shall produce documents to the procurement officer to demonstrate compliance with this section.

### **HRS Chapter 237 tax clearance requirement for award and final payment.**

Instructions are as follows:

In accordance with Act 190 Amendment to HRS 103D-310(c)

Required as a prerequisite to entering into a contract, the contractor shall register on the Hawaii Compliance Express web site for all tax clearances by going to <http://vendors.ehawaii.gov> and registering there.

A current Certificate of Vendor Compliance must accompany the invoice for final payment on the contract.

### **HRS Chapters 383 (Unemployment Insurance), 386 (Workers' Compensation), 392 (Temporary Disability Insurance), and 393 (Prepaid Health Care) requirements for award.** Instructions are as follows:

Pursuant to §103D-310(c), HRS, The Certificate of Vendor Compliance must have a "Compliant" rating with the DLIR.

### **Compliance with Section 103D-310(c)(1) and (2), HRS.**

Contractors are required to provide a state and federal tax clearance as a prerequisite to entering into a public contract of \$2,500 or more. To meet this requirement, all bidders shall submit valid tax clearances with their bid proposals when the bid is \$2,500 or more.

In accordance with Act 190 Amendment to HRS 103D-310(c), required as a prerequisite to entering into a contract, the contractor shall register on the Hawaii Compliance Express web site for all tax clearances by going to <http://vendors.ehawaii.gov> and registering there.

Failure to submit the required tax clearance will be sufficient grounds for the State to refuse to receive or consider the prospective bidder's proposal.

**Timely Submission of all Certificates.** The above certificates should be applied for and submitted to the purchasing agency as soon as possible. If a valid certificate is not submitted on a timely basis for award of a contract, an offer otherwise responsive and responsible may not receive the award.

**Final Payment Requirements.** A current Certificate of Vendor Compliance will be required for final payment.

GENERAL CONDITIONS

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## GENERAL CONDITIONS

1. Coordination of Services by the STATE. The head of the purchasing agency (“HOPA”) (which term includes the designee of the HOPA) shall coordinate the services to be provided by the CONTRACTOR in order to complete the performance required in the Contract. The CONTRACTOR shall maintain communications with HOPA at all stages of the CONTRACTOR'S work, and submit to HOPA for resolution any questions which may arise as to the performance of this Contract. "Purchasing agency" as used in these General Conditions means and includes any governmental body which is authorized under chapter 103D, HRS, or its implementing rules and procedures, or by way of delegation, to enter into contracts for the procurement of goods or services or both.
2. Relationship of Parties: Independent Contractor Status and Responsibilities, Including Tax Responsibilities.
  - a. In the performance of services required under this Contract, the CONTRACTOR is an "independent contractor," with the authority and responsibility to control and direct the performance and details of the work and services required under this Contract; however, the STATE shall have a general right to inspect work in progress to determine whether, in the STATE'S opinion, the services are being performed by the CONTRACTOR in compliance with this Contract. Unless otherwise provided by special condition, it is understood that the STATE does not agree to use the CONTRACTOR exclusively, and that the CONTRACTOR is free to contract to provide services to other individuals or entities while under contract with the STATE.
  - b. The CONTRACTOR and the CONTRACTOR'S employees and agents are not by reason of this Contract, agents or employees of the State for any purpose, and the CONTRACTOR and the CONTRACTOR'S employees and agents shall not be entitled to claim or receive from the State any vacation, sick leave, retirement, workers' compensation, unemployment insurance, or other benefits provided to state employees.
  - c. The CONTRACTOR shall be responsible for the accuracy, completeness, and adequacy of the CONTRACTOR'S performance under this Contract. Furthermore, the CONTRACTOR intentionally, voluntarily, and knowingly assumes the sole and entire liability to the CONTRACTOR'S employees and agents, and to any individual not a party to this Contract, for all loss, damage, or injury caused by the CONTRACTOR, or the CONTRACTOR'S employees or agents in the course of their employment.
  - d. The CONTRACTOR shall be responsible for payment of all applicable federal, state, and county taxes and fees which may become due and owing by the CONTRACTOR by reason of this Contract, including but not limited to (i) income taxes, (ii) employment related fees, assessments, and taxes, and (iii) general excise taxes. The CONTRACTOR also is responsible for obtaining all licenses, permits, and certificates that may be required in order to perform this Contract.
  - e. The CONTRACTOR shall obtain a general excise tax license from the Department of Taxation, State of Hawaii, in accordance with section 237-9, HRS, and shall comply with all requirements thereof. The CONTRACTOR shall obtain a tax clearance certificate from the Director of Taxation, State of Hawaii, and the Internal Revenue Service, U.S. Department of the Treasury, showing that all delinquent taxes, if any, levied or accrued under state law and the Internal Revenue Code of 1986, as amended, against the CONTRACTOR have been paid and submit the same to the STATE prior to commencing any performance under this Contract. The CONTRACTOR shall also be solely responsible for meeting all requirements necessary to obtain the tax clearance certificate required for final payment under sections 103-53 and 103D-328, HRS, and paragraph 17 of these General Conditions.
  - f. The CONTRACTOR is responsible for securing all employee-related insurance coverage for the CONTRACTOR and the CONTRACTOR'S employees and agents that is or may be required by law, and for payment of all premiums, costs, and other liabilities associated with securing the insurance coverage.

- g. The CONTRACTOR shall obtain a certificate of compliance issued by the Department of Labor and Industrial Relations, State of Hawaii, in accordance with section 103D-310, HRS, and section 3-122-112, HAR, that is current within six months of the date of issuance.
- h. The CONTRACTOR shall obtain a certificate of good standing issued by the Department of Commerce and Consumer Affairs, State of Hawaii, in accordance with section 103D-310, HRS, and section 3-122-112, HAR, that is current within six months of the date of issuance.
- i. In lieu of the above certificates from the Department of Taxation, Labor and Industrial Relations, and Commerce and Consumer Affairs, the CONTRACTOR may submit proof of compliance through the State Procurement Office's designated certification process.

3. Personnel Requirements.

- a. The CONTRACTOR shall secure, at the CONTRACTOR'S own expense, all personnel required to perform this Contract.
- b. The CONTRACTOR shall ensure that the CONTRACTOR'S employees or agents are experienced and fully qualified to engage in the activities and perform the services required under this Contract, and that all applicable licensing and operating requirements imposed or required under federal, state, or county law, and all applicable accreditation and other standards of quality generally accepted in the field of the activities of such employees and agents are complied with and satisfied.

4. Nondiscrimination. No person performing work under this Contract, including any subcontractor, employee, or agent of the CONTRACTOR, shall engage in any discrimination that is prohibited by any applicable federal, state, or county law.

5. Conflicts of Interest. The CONTRACTOR represents that neither the CONTRACTOR, nor any employee or agent of the CONTRACTOR, presently has any interest, and promises that no such interest, direct or indirect, shall be acquired, that would or might conflict in any manner or degree with the CONTRACTOR'S performance under this Contract.

6. Subcontracts and Assignments. The CONTRACTOR shall not assign or subcontract any of the CONTRACTOR'S duties, obligations, or interests under this Contract and no such assignment or subcontract shall be effective unless (i) the CONTRACTOR obtains the prior written consent of the STATE, and (ii) the CONTRACTOR'S assignee or subcontractor submits to the STATE a tax clearance certificate from the Director of Taxation, State of Hawaii, and the Internal Revenue Service, U.S. Department of Treasury, showing that all delinquent taxes, if any, levied or accrued under state law and the Internal Revenue Code of 1986, as amended, against the CONTRACTOR'S assignee or subcontractor have been paid. Additionally, no assignment by the CONTRACTOR of the CONTRACTOR'S right to compensation under this Contract shall be effective unless and until the assignment is approved by the Comptroller of the State of Hawaii, as provided in section 40-58, HRS.

a. Recognition of a successor in interest. When in the best interest of the State, a successor in interest may be recognized in an assignment contract in which the STATE, the CONTRACTOR and the assignee or transferee (hereinafter referred to as the "Assignee") agree that:

- (1) The Assignee assumes all of the CONTRACTOR'S obligations;
- (2) The CONTRACTOR remains liable for all obligations under this Contract but waives all rights under this Contract as against the STATE; and
- (3) The CONTRACTOR shall continue to furnish, and the Assignee shall also furnish, all required bonds.

b. Change of name. When the CONTRACTOR asks to change the name in which it holds this Contract with the STATE, the procurement officer of the purchasing agency (hereinafter referred to as the "Agency procurement officer") shall, upon receipt of a document acceptable or satisfactory to the

Agency procurement officer indicating such change of name (for example, an amendment to the CONTRACTOR'S articles of incorporation), enter into an amendment to this Contract with the CONTRACTOR to effect such a change of name. The amendment to this Contract changing the CONTRACTOR'S name shall specifically indicate that no other terms and conditions of this Contract are thereby changed.

- c. Reports. All assignment contracts and amendments to this Contract effecting changes of the CONTRACTOR'S name or novations hereunder shall be reported to the chief procurement officer (CPO) as defined in section 103D-203(a), HRS, within thirty days of the date that the assignment contract or amendment becomes effective.
  - d. Actions affecting more than one purchasing agency. Notwithstanding the provisions of subparagraphs 6a through 6c herein, when the CONTRACTOR holds contracts with more than one purchasing agency of the State, the assignment contracts and the novation and change of name amendments herein authorized shall be processed only through the CPO's office.
7. Indemnification and Defense. The CONTRACTOR shall defend, indemnify, and hold harmless the State of Hawaii, the contracting agency, and their officers, employees, and agents from and against all liability, loss, damage, cost, and expense, including all attorneys' fees, and all claims, suits, and demands therefore, arising out of or resulting from the acts or omissions of the CONTRACTOR or the CONTRACTOR'S employees, officers, agents, or subcontractors under this Contract. The provisions of this paragraph shall remain in full force and effect notwithstanding the expiration or early termination of this Contract.
  8. Cost of Litigation. In case the STATE shall, without any fault on its part, be made a party to any litigation commenced by or against the CONTRACTOR in connection with this Contract, the CONTRACTOR shall pay all costs and expenses incurred by or imposed on the STATE, including attorneys' fees.
  9. Liquidated Damages. When the CONTRACTOR is given notice of delay or nonperformance as specified in paragraph 13 (Termination for Default) and fails to cure in the time specified, it is agreed the CONTRACTOR shall pay to the STATE the amount, if any, set forth in this Contract per calendar day from the date set for cure until either (i) the STATE reasonably obtains similar goods or services, or both, if the CONTRACTOR is terminated for default, or (ii) until the CONTRACTOR provides the goods or services, or both, if the CONTRACTOR is not terminated for default. To the extent that the CONTRACTOR'S delay or nonperformance is excused under paragraph 13d (Excuse for Nonperformance or Delay Performance), liquidated damages shall not be assessable against the CONTRACTOR. The CONTRACTOR remains liable for damages caused other than by delay.
  10. STATE'S Right of Offset. The STATE may offset against any monies or other obligations the STATE owes to the CONTRACTOR under this Contract, any amounts owed to the State of Hawaii by the CONTRACTOR under this Contract or any other contracts, or pursuant to any law or other obligation owed to the State of Hawaii by the CONTRACTOR, including, without limitation, the payment of any taxes or levies of any kind or nature. The STATE will notify the CONTRACTOR in writing of any offset and the nature of such offset. For purposes of this paragraph, amounts owed to the State of Hawaii shall not include debts or obligations which have been liquidated, agreed to by the CONTRACTOR, and are covered by an installment payment or other settlement plan approved by the State of Hawaii, provided, however, that the CONTRACTOR shall be entitled to such exclusion only to the extent that the CONTRACTOR is current with, and not delinquent on, any payments or obligations owed to the State of Hawaii under such payment or other settlement plan.
  11. Disputes. Disputes shall be resolved in accordance with section 103D-703, HRS, and chapter 3-126, Hawaii Administrative Rules ("HAR"), as the same may be amended from time to time.
  12. Suspension of Contract. The STATE reserves the right at any time and for any reason to suspend this Contract for any reasonable period, upon written notice to the CONTRACTOR in accordance with the provisions herein.
    - a. Order to stop performance. The Agency procurement officer may, by written order to the CONTRACTOR, at any time, and without notice to any surety, require the CONTRACTOR to stop all or any part of the performance called for by this Contract. This order shall be for a specified

period not exceeding sixty (60) days after the order is delivered to the CONTRACTOR, unless the parties agree to any further period. Any such order shall be identified specifically as a stop performance order issued pursuant to this section. Stop performance orders shall include, as appropriate: (1) A clear description of the work to be suspended; (2) Instructions as to the issuance of further orders by the CONTRACTOR for material or services; (3) Guidance as to action to be taken on subcontracts; and (4) Other instructions and suggestions to the CONTRACTOR for minimizing costs. Upon receipt of such an order, the CONTRACTOR shall forthwith comply with its terms and suspend all performance under this Contract at the time stated, provided, however, the CONTRACTOR shall take all reasonable steps to minimize the occurrence of costs allocable to the performance covered by the order during the period of performance stoppage. Before the stop performance order expires, or within any further period to which the parties shall have agreed, the Agency procurement officer shall either:

- (1) Cancel the stop performance order; or
  - (2) Terminate the performance covered by such order as provided in the termination for default provision or the termination for convenience provision of this Contract.
- b. Cancellation or expiration of the order. If a stop performance order issued under this section is cancelled at any time during the period specified in the order, or if the period of the order or any extension thereof expires, the CONTRACTOR shall have the right to resume performance. An appropriate adjustment shall be made in the delivery schedule or contract price, or both, and the Contract shall be modified in writing accordingly, if:
- (1) The stop performance order results in an increase in the time required for, or in the CONTRACTOR'S cost properly allocable to, the performance of any part of this Contract; and
  - (2) The CONTRACTOR asserts a claim for such an adjustment within thirty (30) days after the end of the period of performance stoppage; provided that, if the Agency procurement officer decides that the facts justify such action, any such claim asserted may be received and acted upon at any time prior to final payment under this Contract.
- c. Termination of stopped performance. If a stop performance order is not cancelled and the performance covered by such order is terminated for default or convenience, the reasonable costs resulting from the stop performance order shall be allowable by adjustment or otherwise.
- d. Adjustment of price. Any adjustment in contract price made pursuant to this paragraph shall be determined in accordance with the price adjustment provision of this Contract.

### 13. Termination for Default.

- a. Default. If the CONTRACTOR refuses or fails to perform any of the provisions of this Contract with such diligence as will ensure its completion within the time specified in this Contract, or any extension thereof, otherwise fails to timely satisfy the Contract provisions, or commits any other substantial breach of this Contract, the Agency procurement officer may notify the CONTRACTOR in writing of the delay or non-performance and if not cured in ten (10) days or any longer time specified in writing by the Agency procurement officer, such officer may terminate the CONTRACTOR'S right to proceed with the Contract or such part of the Contract as to which there has been delay or a failure to properly perform. In the event of termination in whole or in part, the Agency procurement officer may procure similar goods or services in a manner and upon the terms deemed appropriate by the Agency procurement officer. The CONTRACTOR shall continue performance of the Contract to the extent it is not terminated and shall be liable for excess costs incurred in procuring similar goods or services.
- b. CONTRACTOR'S duties. Notwithstanding termination of the Contract and subject to any directions from the Agency procurement officer, the CONTRACTOR shall take timely, reasonable, and

necessary action to protect and preserve property in the possession of the CONTRACTOR in which the STATE has an interest.

- c. Compensation. Payment for completed goods and services delivered and accepted by the STATE shall be at the price set forth in the Contract. Payment for the protection and preservation of property shall be in an amount agreed upon by the CONTRACTOR and the Agency procurement officer. If the parties fail to agree, the Agency procurement officer shall set an amount subject to the CONTRACTOR'S rights under chapter 3-126, HAR. The STATE may withhold from amounts due the CONTRACTOR such sums as the Agency procurement officer deems to be necessary to protect the STATE against loss because of outstanding liens or claims and to reimburse the STATE for the excess costs expected to be incurred by the STATE in procuring similar goods and services.
- d. Excuse for nonperformance or delayed performance. The CONTRACTOR shall not be in default by reason of any failure in performance of this Contract in accordance with its terms, including any failure by the CONTRACTOR to make progress in the prosecution of the performance hereunder which endangers such performance, if the CONTRACTOR has notified the Agency procurement officer within fifteen (15) days after the cause of the delay and the failure arises out of causes such as: acts of God; acts of a public enemy; acts of the State and any other governmental body in its sovereign or contractual capacity; fires; floods; epidemics; quarantine restrictions; strikes or other labor disputes; freight embargoes; or unusually severe weather. If the failure to perform is caused by the failure of a subcontractor to perform or to make progress, and if such failure arises out of causes similar to those set forth above, the CONTRACTOR shall not be deemed to be in default, unless the goods and services to be furnished by the subcontractor were reasonably obtainable from other sources in sufficient time to permit the CONTRACTOR to meet the requirements of the Contract. Upon request of the CONTRACTOR, the Agency procurement officer shall ascertain the facts and extent of such failure, and, if such officer determines that any failure to perform was occasioned by any one or more of the excusable causes, and that, but for the excusable cause, the CONTRACTOR'S progress and performance would have met the terms of the Contract, the delivery schedule shall be revised accordingly, subject to the rights of the STATE under this Contract. As used in this paragraph, the term "subcontractor" means subcontractor at any tier.
- e. Erroneous termination for default. If, after notice of termination of the CONTRACTOR'S right to proceed under this paragraph, it is determined for any reason that the CONTRACTOR was not in default under this paragraph, or that the delay was excusable under the provisions of subparagraph 13d, "Excuse for nonperformance or delayed performance," the rights and obligations of the parties shall be the same as if the notice of termination had been issued pursuant to paragraph 14.
- f. Additional rights and remedies. The rights and remedies provided in this paragraph are in addition to any other rights and remedies provided by law or under this Contract.

#### 14. Termination for Convenience.

- a. Termination. The Agency procurement officer may, when the interests of the STATE so require, terminate this Contract in whole or in part, for the convenience of the STATE. The Agency procurement officer shall give written notice of the termination to the CONTRACTOR specifying the part of the Contract terminated and when termination becomes effective.
- b. CONTRACTOR'S obligations. The CONTRACTOR shall incur no further obligations in connection with the terminated performance and on the date(s) set in the notice of termination the CONTRACTOR will stop performance to the extent specified. The CONTRACTOR shall also terminate outstanding orders and subcontracts as they relate to the terminated performance. The CONTRACTOR shall settle the liabilities and claims arising out of the termination of subcontracts and orders connected with the terminated performance subject to the STATE'S approval. The Agency procurement officer may direct the CONTRACTOR to assign the CONTRACTOR'S right, title, and interest under terminated orders or subcontracts to the STATE. The CONTRACTOR must still complete the performance not terminated by the notice of termination and may incur obligations as necessary to do so.

c. Right to goods and work product. The Agency procurement officer may require the CONTRACTOR to transfer title and deliver to the STATE in the manner and to the extent directed by the Agency procurement officer:

- (1) Any completed goods or work product; and
- (2) The partially completed goods and materials, parts, tools, dies, jigs, fixtures, plans, drawings, information, and contract rights (hereinafter called "manufacturing material") as the CONTRACTOR has specifically produced or specially acquired for the performance of the terminated part of this Contract.

The CONTRACTOR shall, upon direction of the Agency procurement officer, protect and preserve property in the possession of the CONTRACTOR in which the STATE has an interest. If the Agency procurement officer does not exercise this right, the CONTRACTOR shall use best efforts to sell such goods and manufacturing materials. Use of this paragraph in no way implies that the STATE has breached the Contract by exercise of the termination for convenience provision.

d. Compensation.

- (1) The CONTRACTOR shall submit a termination claim specifying the amounts due because of the termination for convenience together with the cost or pricing data, submitted to the extent required by chapter 3-122, HAR, bearing on such claim. If the CONTRACTOR fails to file a termination claim within one year from the effective date of termination, the Agency procurement officer may pay the CONTRACTOR, if at all, an amount set in accordance with subparagraph 14d(3) below.
- (2) The Agency procurement officer and the CONTRACTOR may agree to a settlement provided the CONTRACTOR has filed a termination claim supported by cost or pricing data submitted as required and that the settlement does not exceed the total Contract price plus settlement costs reduced by payments previously made by the STATE, the proceeds of any sales of goods and manufacturing materials under subparagraph 14c, and the Contract price of the performance not terminated.
- (3) Absent complete agreement under subparagraph 14d(2) the Agency procurement officer shall pay the CONTRACTOR the following amounts, provided payments agreed to under subparagraph 14d(2) shall not duplicate payments under this subparagraph for the following:
  - (A) Contract prices for goods or services accepted under the Contract;
  - (B) Costs incurred in preparing to perform and performing the terminated portion of the performance plus a fair and reasonable profit on such portion of the performance, such profit shall not include anticipatory profit or consequential damages, less amounts paid or to be paid for accepted goods or services; provided, however, that if it appears that the CONTRACTOR would have sustained a loss if the entire Contract would have been completed, no profit shall be allowed or included and the amount of compensation shall be reduced to reflect the anticipated rate of loss;
  - (C) Costs of settling and paying claims arising out of the termination of subcontracts or orders pursuant to subparagraph 14b. These costs must not include costs paid in accordance with subparagraph 14d(3)(B);
  - (D) The reasonable settlement costs of the CONTRACTOR, including accounting, legal, clerical, and other expenses reasonably necessary for the preparation of settlement claims and supporting data with respect to the terminated portion of the Contract and for the termination of subcontracts thereunder, together with reasonable storage, transportation, and other costs incurred in connection with the protection or disposition of property allocable to the terminated portion of this Contract. The total sum to be paid the CONTRACTOR under this subparagraph shall not exceed the

total Contract price plus the reasonable settlement costs of the CONTRACTOR reduced by the amount of payments otherwise made, the proceeds of any sales of supplies and manufacturing materials under subparagraph 14d(2), and the contract price of performance not terminated.

- (4) Costs claimed, agreed to, or established under subparagraphs 14d(2) and 14d(3) shall be in accordance with Chapter 3-123 (Cost Principles) of the Procurement Rules.

15. Claims Based on the Agency Procurement Officer's Actions or Omissions.

- a. Changes in scope. If any action or omission on the part of the Agency procurement officer (which term includes the designee of such officer for purposes of this paragraph 15) requiring performance changes within the scope of the Contract constitutes the basis for a claim by the CONTRACTOR for additional compensation, damages, or an extension of time for completion, the CONTRACTOR shall continue with performance of the Contract in compliance with the directions or orders of such officials, but by so doing, the CONTRACTOR shall not be deemed to have prejudiced any claim for additional compensation, damages, or an extension of time for completion; provided:
  - (1) Written notice required. The CONTRACTOR shall give written notice to the Agency procurement officer:
    - (A) Prior to the commencement of the performance involved, if at that time the CONTRACTOR knows of the occurrence of such action or omission;
    - (B) Within thirty (30) days after the CONTRACTOR knows of the occurrence of such action or omission, if the CONTRACTOR did not have such knowledge prior to the commencement of the performance; or
    - (C) Within such further time as may be allowed by the Agency procurement officer in writing.
  - (2) Notice content. This notice shall state that the CONTRACTOR regards the act or omission as a reason which may entitle the CONTRACTOR to additional compensation, damages, or an extension of time. The Agency procurement officer, upon receipt of such notice, may rescind such action, remedy such omission, or take such other steps as may be deemed advisable in the discretion of the Agency procurement officer;
  - (3) Basis must be explained. The notice required by subparagraph 15a(1) describes as clearly as practicable at the time the reasons why the CONTRACTOR believes that additional compensation, damages, or an extension of time may be remedies to which the CONTRACTOR is entitled; and
  - (4) Claim must be justified. The CONTRACTOR must maintain and, upon request, make available to the Agency procurement officer within a reasonable time, detailed records to the extent practicable, and other documentation and evidence satisfactory to the STATE, justifying the claimed additional costs or an extension of time in connection with such changes.
- b. CONTRACTOR not excused. Nothing herein contained, however, shall excuse the CONTRACTOR from compliance with any rules or laws precluding any state officers and CONTRACTOR from acting in collusion or bad faith in issuing or performing change orders which are clearly not within the scope of the Contract.
- c. Price adjustment. Any adjustment in the price made pursuant to this paragraph shall be determined in accordance with the price adjustment provision of this Contract.

16. Costs and Expenses. Any reimbursement due the CONTRACTOR for per diem and transportation expenses under this Contract shall be subject to chapter 3-123 (Cost Principles), HAR, and the following guidelines:

- a. Reimbursement for air transportation shall be for actual cost or coach class air fare, whichever is less.
- b. Reimbursement for ground transportation costs shall not exceed the actual cost of renting an intermediate-sized vehicle.
- c. Unless prior written approval of the HOPA is obtained, reimbursement for subsistence allowance (i.e., hotel and meals, etc.) shall not exceed the applicable daily authorized rates for inter-island or out-of-state travel that are set forth in the current Governor's Executive Order authorizing adjustments in salaries and benefits for state officers and employees in the executive branch who are excluded from collective bargaining coverage.

17. Payment Procedures; Final Payment; Tax Clearance.

- a. Original invoices required. All payments under this Contract shall be made only upon submission by the CONTRACTOR of original invoices specifying the amount due and certifying that services requested under the Contract have been performed by the CONTRACTOR according to the Contract.
- b. Subject to available funds. Such payments are subject to availability of funds and allotment by the Director of Finance in accordance with chapter 37, HRS. Further, all payments shall be made in accordance with and subject to chapter 40, HRS.
- c. Prompt payment.
  - (1) Any money, other than retainage, paid to the CONTRACTOR shall be disbursed to subcontractors within ten (10) days after receipt of the money in accordance with the terms of the subcontract; provided that the subcontractor has met all the terms and conditions of the subcontract and there are no bona fide disputes; and
  - (2) Upon final payment to the CONTRACTOR, full payment to the subcontractor, including retainage, shall be made within ten (10) days after receipt of the money; provided that there are no bona fide disputes over the subcontractor's performance under the subcontract.
- d. Final payment. Final payment under this Contract shall be subject to sections 103-53 and 103D-328, HRS, which require a tax clearance from the Director of Taxation, State of Hawaii, and the Internal Revenue Service, U.S. Department of Treasury, showing that all delinquent taxes, if any, levied or accrued under state law and the Internal Revenue Code of 1986, as amended, against the CONTRACTOR have been paid. Further, in accordance with section 3-122-112, HAR, CONTRACTOR shall provide a certificate affirming that the CONTRACTOR has remained in compliance with all applicable laws as required by this section.

18. Federal Funds. If this Contract is payable in whole or in part from federal funds, CONTRACTOR agrees that, as to the portion of the compensation under this Contract to be payable from federal funds, the CONTRACTOR shall be paid only from such funds received from the federal government, and shall not be paid from any other funds. Failure of the STATE to receive anticipated federal funds shall not be considered a breach by the STATE or an excuse for nonperformance by the CONTRACTOR.

19. Modifications of Contract.

- a. In writing. Any modification, alteration, amendment, change, or extension of any term, provision, or condition of this Contract permitted by this Contract shall be made by written amendment to this Contract, signed by the CONTRACTOR and the STATE, provided that change orders shall be made in accordance with paragraph 20 herein.
- b. No oral modification. No oral modification, alteration, amendment, change, or extension of any term, provision, or condition of this Contract shall be permitted.

- c. Agency procurement officer. By written order, at any time, and without notice to any surety, the Agency procurement officer may unilaterally order of the CONTRACTOR:
    - (A) Changes in the work within the scope of the Contract; and
    - (B) Changes in the time of performance of the Contract that do not alter the scope of the Contract work.
  - d. Adjustments of price or time for performance. If any modification increases or decreases the CONTRACTOR'S cost of, or the time required for, performance of any part of the work under this Contract, an adjustment shall be made and this Contract modified in writing accordingly. Any adjustment in contract price made pursuant to this clause shall be determined, where applicable, in accordance with the price adjustment clause of this Contract or as negotiated.
  - e. Claim barred after final payment. No claim by the CONTRACTOR for an adjustment hereunder shall be allowed if written modification of the Contract is not made prior to final payment under this Contract.
  - f. Claims not barred. In the absence of a written contract modification, nothing in this clause shall be deemed to restrict the CONTRACTOR'S right to pursue a claim under this Contract or for a breach of contract.
  - g. Head of the purchasing agency approval. If this is a professional services contract awarded pursuant to section 103D-303 or 103D-304, HRS, any modification, alteration, amendment, change, or extension of any term, provision, or condition of this Contract which increases the amount payable to the CONTRACTOR by at least \$25,000.00 and ten per cent (10%) or more of the initial contract price, must receive the prior approval of the head of the purchasing agency.
  - h. Tax clearance. The STATE may, at its discretion, require the CONTRACTOR to submit to the STATE, prior to the STATE'S approval of any modification, alteration, amendment, change, or extension of any term, provision, or condition of this Contract, a tax clearance from the Director of Taxation, State of Hawaii, and the Internal Revenue Service, U.S. Department of Treasury, showing that all delinquent taxes, if any, levied or accrued under state law and the Internal Revenue Code of 1986, as amended, against the CONTRACTOR have been paid.
  - i. Sole source contracts. Amendments to sole source contracts that would change the original scope of the Contract may only be made with the approval of the CPO. Annual renewal of a sole source contract for services should not be submitted as an amendment.
20. Change Order. The Agency procurement officer may, by a written order signed only by the STATE, at any time, and without notice to any surety, and subject to all appropriate adjustments, make changes within the general scope of this Contract in any one or more of the following:
- (1) Drawings, designs, or specifications, if the goods or services to be furnished are to be specially provided to the STATE in accordance therewith;
  - (2) Method of delivery; or
  - (3) Place of delivery.
- a. Adjustments of price or time for performance. If any change order increases or decreases the CONTRACTOR'S cost of, or the time required for, performance of any part of the work under this Contract, whether or not changed by the order, an adjustment shall be made and the Contract modified in writing accordingly. Any adjustment in the Contract price made pursuant to this provision shall be determined in accordance with the price adjustment provision of this Contract. Failure of the parties to agree to an adjustment shall not excuse the CONTRACTOR from proceeding with the Contract as changed, provided that the Agency procurement officer promptly and duly makes the provisional adjustments in payment or time for performance as may be reasonable. By

proceeding with the work, the CONTRACTOR shall not be deemed to have prejudiced any claim for additional compensation, or any extension of time for completion.

- b. Time period for claim. Within ten (10) days after receipt of a written change order under subparagraph 20a, unless the period is extended by the Agency procurement officer in writing, the CONTRACTOR shall respond with a claim for an adjustment. The requirement for a timely written response by CONTRACTOR cannot be waived and shall be a condition precedent to the assertion of a claim.
- c. Claim barred after final payment. No claim by the CONTRACTOR for an adjustment hereunder shall be allowed if a written response is not given prior to final payment under this Contract.
- d. Other claims not barred. In the absence of a change order, nothing in this paragraph 20 shall be deemed to restrict the CONTRACTOR'S right to pursue a claim under the Contract or for breach of contract.

21. Price Adjustment.

- a. Price adjustment. Any adjustment in the contract price pursuant to a provision in this Contract shall be made in one or more of the following ways:
  - (1) By agreement on a fixed price adjustment before commencement of the pertinent performance or as soon thereafter as practicable;
  - (2) By unit prices specified in the Contract or subsequently agreed upon;
  - (3) By the costs attributable to the event or situation covered by the provision, plus appropriate profit or fee, all as specified in the Contract or subsequently agreed upon;
  - (4) In such other manner as the parties may mutually agree; or
  - (5) In the absence of agreement between the parties, by a unilateral determination by the Agency procurement officer of the costs attributable to the event or situation covered by the provision, plus appropriate profit or fee, all as computed by the Agency procurement officer in accordance with generally accepted accounting principles and applicable sections of chapters 3-123 and 3-126, HAR.
- b. Submission of cost or pricing data. The CONTRACTOR shall provide cost or pricing data for any price adjustments subject to the provisions of chapter 3-122, HAR.

22. Variation in Quantity for Definite Quantity Contracts. Upon the agreement of the STATE and the CONTRACTOR, the quantity of goods or services, or both, if a definite quantity is specified in this Contract, may be increased by a maximum of ten per cent (10%); provided the unit prices will remain the same except for any price adjustments otherwise applicable; and the Agency procurement officer makes a written determination that such an increase will either be more economical than awarding another contract or that it would not be practical to award another contract.

23. Changes in Cost-Reimbursement Contract. If this Contract is a cost-reimbursement contract, the following provisions shall apply:

- a. The Agency procurement officer may at any time by written order, and without notice to the sureties, if any, make changes within the general scope of the Contract in any one or more of the following:
  - (1) Description of performance (Attachment 1);
  - (2) Time of performance (i.e., hours of the day, days of the week, etc.);
  - (3) Place of performance of services;

- (4) Drawings, designs, or specifications when the supplies to be furnished are to be specially manufactured for the STATE in accordance with the drawings, designs, or specifications;
  - (5) Method of shipment or packing of supplies; or
  - (6) Place of delivery.
- b. If any change causes an increase or decrease in the estimated cost of, or the time required for performance of, any part of the performance under this Contract, whether or not changed by the order, or otherwise affects any other terms and conditions of this Contract, the Agency procurement officer shall make an equitable adjustment in the (1) estimated cost, delivery or completion schedule, or both; (2) amount of any fixed fee; and (3) other affected terms and shall modify the Contract accordingly.
  - c. The CONTRACTOR must assert the CONTRACTOR'S rights to an adjustment under this provision within thirty (30) days from the day of receipt of the written order. However, if the Agency procurement officer decides that the facts justify it, the Agency procurement officer may receive and act upon a proposal submitted before final payment under the Contract.
  - d. Failure to agree to any adjustment shall be a dispute under paragraph 11 of this Contract. However, nothing in this provision shall excuse the CONTRACTOR from proceeding with the Contract as changed.
  - e. Notwithstanding the terms and conditions of subparagraphs 23a and 23b, the estimated cost of this Contract and, if this Contract is incrementally funded, the funds allotted for the performance of this Contract, shall not be increased or considered to be increased except by specific written modification of the Contract indicating the new contract estimated cost and, if this contract is incrementally funded, the new amount allotted to the contract.
24. Confidentiality of Material.
- a. All material given to or made available to the CONTRACTOR by virtue of this Contract, which is identified as proprietary or confidential information, will be safeguarded by the CONTRACTOR and shall not be disclosed to any individual or organization without the prior written approval of the STATE.
  - b. All information, data, or other material provided by the CONTRACTOR to the STATE shall be subject to the Uniform Information Practices Act, chapter 92F, HRS.
25. Publicity. The CONTRACTOR shall not refer to the STATE, or any office, agency, or officer thereof, or any state employee, including the HOPA, the CPO, the Agency procurement officer, or to the services or goods, or both, provided under this Contract, in any of the CONTRACTOR'S brochures, advertisements, or other publicity of the CONTRACTOR. All media contacts with the CONTRACTOR about the subject matter of this Contract shall be referred to the Agency procurement officer.
26. Ownership Rights and Copyright. The STATE shall have complete ownership of all material, both finished and unfinished, which is developed, prepared, assembled, or conceived by the CONTRACTOR pursuant to this Contract, and all such material shall be considered "works made for hire." All such material shall be delivered to the STATE upon expiration or termination of this Contract. The STATE, in its sole discretion, shall have the exclusive right to copyright any product, concept, or material developed, prepared, assembled, or conceived by the CONTRACTOR pursuant to this Contract.
27. Liens and Warranties. Goods provided under this Contract shall be provided free of all liens and provided together with all applicable warranties, or with the warranties described in the Contract documents, whichever are greater.

28. Audit of Books and Records of the CONTRACTOR. The STATE may, at reasonable times and places, audit the books and records of the CONTRACTOR, prospective contractor, subcontractor, or prospective subcontractor which are related to:
- a. The cost or pricing data, and
  - b. A state contract, including subcontracts, other than a firm fixed-price contract.
29. Cost or Pricing Data. Cost or pricing data must be submitted to the Agency procurement officer and timely certified as accurate for contracts over \$100,000 unless the contract is for a multiple-term or as otherwise specified by the Agency procurement officer. Unless otherwise required by the Agency procurement officer, cost or pricing data submission is not required for contracts awarded pursuant to competitive sealed bid procedures.
- If certified cost or pricing data are subsequently found to have been inaccurate, incomplete, or noncurrent as of the date stated in the certificate, the STATE is entitled to an adjustment of the contract price, including profit or fee, to exclude any significant sum by which the price, including profit or fee, was increased because of the defective data. It is presumed that overstated cost or pricing data increased the contract price in the amount of the defect plus related overhead and profit or fee. Therefore, unless there is a clear indication that the defective data was not used or relied upon, the price will be reduced in such amount.
30. Audit of Cost or Pricing Data. When cost or pricing principles are applicable, the STATE may require an audit of cost or pricing data.
31. Records Retention.
- (1) Upon any termination of this Contract or as otherwise required by applicable law, CONTRACTOR shall, pursuant to chapter 487R, HRS, destroy all copies (paper or electronic form) of personal information received from the STATE.
  - (2) The CONTRACTOR and any subcontractors shall maintain the files, books, and records that relate to the Contract, including any personal information created or received by the CONTRACTOR on behalf of the STATE, and any cost or pricing data, for at least three (3) years after the date of final payment under the Contract. The personal information shall continue to be confidential and shall only be disclosed as permitted or required by law. After the three (3) year, or longer retention period as required by law has ended, the files, books, and records that contain personal information shall be destroyed pursuant to chapter 487R, HRS or returned to the STATE at the request of the STATE.
32. Antitrust Claims. The STATE and the CONTRACTOR recognize that in actual economic practice, overcharges resulting from antitrust violations are in fact usually borne by the purchaser. Therefore, the CONTRACTOR hereby assigns to STATE any and all claims for overcharges as to goods and materials purchased in connection with this Contract, except as to overcharges which result from violations commencing after the price is established under this Contract and which are not passed on to the STATE under an escalation clause.
33. Patented Articles. The CONTRACTOR shall defend, indemnify, and hold harmless the STATE, and its officers, employees, and agents from and against all liability, loss, damage, cost, and expense, including all attorneys fees, and all claims, suits, and demands arising out of or resulting from any claims, demands, or actions by the patent holder for infringement or other improper or unauthorized use of any patented article, patented process, or patented appliance in connection with this Contract. The CONTRACTOR shall be solely responsible for correcting or curing to the satisfaction of the STATE any such infringement or improper or unauthorized use, including, without limitation: (a) furnishing at no cost to the STATE a substitute article, process, or appliance acceptable to the STATE, (b) paying royalties or other required payments to the patent holder, (c) obtaining proper authorizations or releases from the patent holder, and (d) furnishing such security to or making such arrangements with the patent holder as may be necessary to correct or cure any such infringement or improper or unauthorized use.

34. Governing Law. The validity of this Contract and any of its terms or provisions, as well as the rights and duties of the parties to this Contract, shall be governed by the laws of the State of Hawaii. Any action at law or in equity to enforce or interpret the provisions of this Contract shall be brought in a state court of competent jurisdiction in Honolulu, Hawaii.
35. Compliance with Laws. The CONTRACTOR shall comply with all federal, state, and county laws, ordinances, codes, rules, and regulations, as the same may be amended from time to time, that in any way affect the CONTRACTOR'S performance of this Contract.
36. Conflict Between General Conditions and Procurement Rules. In the event of a conflict between the General Conditions and the procurement rules, the procurement rules in effect on the date this Contract became effective shall control and are hereby incorporated by reference.
37. Entire Contract. This Contract sets forth all of the agreements, conditions, understandings, promises, warranties, and representations between the STATE and the CONTRACTOR relative to this Contract. This Contract supersedes all prior agreements, conditions, understandings, promises, warranties, and representations, which shall have no further force or effect. There are no agreements, conditions, understandings, promises, warranties, or representations, oral or written, express or implied, between the STATE and the CONTRACTOR other than as set forth or as referred to herein.
38. Severability. In the event that any provision of this Contract is declared invalid or unenforceable by a court, such invalidity or unenforceability shall not affect the validity or enforceability of the remaining terms of this Contract.
39. Waiver. The failure of the STATE to insist upon the strict compliance with any term, provision, or condition of this Contract shall not constitute or be deemed to constitute a waiver or relinquishment of the STATE'S right to enforce the same in accordance with this Contract. The fact that the STATE specifically refers to one provision of the procurement rules or one section of the Hawaii Revised Statutes, and does not include other provisions or statutory sections in this Contract shall not constitute a waiver or relinquishment of the STATE'S rights or the CONTRACTOR'S obligations under the procurement rules or statutes.
40. Pollution Control. If during the performance of this Contract, the CONTRACTOR encounters a "release" or a "threatened release" of a reportable quantity of a "hazardous substance," "pollutant," or "contaminant" as those terms are defined in section 128D-1, HRS, the CONTRACTOR shall immediately notify the STATE and all other appropriate state, county, or federal agencies as required by law. The Contractor shall take all necessary actions, including stopping work, to avoid causing, contributing to, or making worse a release of a hazardous substance, pollutant, or contaminant, and shall promptly obey any orders the Environmental Protection Agency or the state Department of Health issues in response to the release. In the event there is an ensuing cease-work period, and the STATE determines that this Contract requires an adjustment of the time for performance, the Contract shall be modified in writing accordingly.
41. Campaign Contributions. The CONTRACTOR is hereby notified of the applicability of 11-355, HRS, which states that campaign contributions are prohibited from specified state or county government contractors during the terms of their contracts if the contractors are paid with funds appropriated by a legislative body.
42. Confidentiality of Personal Information.
- a. Definitions.
- "Personal information" means an individual's first name or first initial and last name in combination with any one or more of the following data elements, when either name or data elements are not encrypted:
- (1) Social security number;
  - (2) Driver's license number or Hawaii identification card number; or

- (3) Account number, credit or debit card number, access code, or password that would permit access to an individual's financial information.

Personal information does not include publicly available information that is lawfully made available to the general public from federal, state, or local government records.

"Technological safeguards" means the technology and the policy and procedures for use of the technology to protect and control access to personal information.

b. Confidentiality of Material.

- (1) All material given to or made available to the CONTRACTOR by the STATE by virtue of this Contract which is identified as personal information, shall be safeguarded by the CONTRACTOR and shall not be disclosed without the prior written approval of the STATE.
- (2) CONTRACTOR agrees not to retain, use, or disclose personal information for any purpose other than as permitted or required by this Contract.
- (3) CONTRACTOR agrees to implement appropriate "technological safeguards" that are acceptable to the STATE to reduce the risk of unauthorized access to personal information.
- (4) CONTRACTOR shall report to the STATE in a prompt and complete manner any security breaches involving personal information.
- (5) CONTRACTOR agrees to mitigate, to the extent practicable, any harmful effect that is known to CONTRACTOR because of a use or disclosure of personal information by CONTRACTOR in violation of the requirements of this paragraph.
- (6) CONTRACTOR shall complete and retain a log of all disclosures made of personal information received from the STATE, or personal information created or received by CONTRACTOR on behalf of the STATE.

c. Security Awareness Training and Confidentiality Agreements.

- (1) CONTRACTOR certifies that all of its employees who will have access to the personal information have completed training on security awareness topics relating to protecting personal information.
- (2) CONTRACTOR certifies that confidentiality agreements have been signed by all of its employees who will have access to the personal information acknowledging that:
  - (A) The personal information collected, used, or maintained by the CONTRACTOR will be treated as confidential;
  - (B) Access to the personal information will be allowed only as necessary to perform the Contract; and
  - (C) Use of the personal information will be restricted to uses consistent with the services subject to this Contract.

d. Termination for Cause. In addition to any other remedies provided for by this Contract, if the STATE learns of a material breach by CONTRACTOR of this paragraph by CONTRACTOR, the STATE may at its sole discretion:

- (1) Provide an opportunity for the CONTRACTOR to cure the breach or end the violation; or
- (2) Immediately terminate this Contract.

In either instance, the CONTRACTOR and the STATE shall follow chapter 487N, HRS, with respect to notification of a security breach of personal information.

e. Records Retention.

- (1) Upon any termination of this Contract or as otherwise required by applicable law, CONTRACTOR shall, pursuant to chapter 487R, HRS, destroy all copies (paper or electronic form) of personal information received from the STATE.
- (2) The CONTRACTOR and any subcontractors shall maintain the files, books, and records that relate to the Contract, including any personal information created or received by the CONTRACTOR on behalf of the STATE, and any cost or pricing data, for at least three (3) years after the date of final payment under the Contract. The personal information shall continue to be confidential and shall only be disclosed as permitted or required by law. After the three (3) year, or longer retention period as required by law has ended, the files, books, and records that contain personal information shall be destroyed pursuant to chapter 487R, HRS or returned to the STATE at the request of the STATE.

ADDITIONAL GENERAL CONDITIONS FOR  
GOODS AND SERVICES CONTRACTS

INTENT OF CONTRACT:

The intent of the contract is to provide for the service, complete in every detail, of the work described. The Contractor shall furnish all labor, materials, equipment, tools, transportation and supplies required to complete the work in accordance with the specifications and terms of the contract.

INTERPRETATION OF SPECIFICATIONS:

Should it appear that the work to be done or any of the matters relative thereto are not sufficiently detailed or explained in the specifications, the Contractor shall apply to the Contracting Officer for such further explanations as may be necessary and shall conform to same as part of the contract, so far as may be consistent with the original specifications; and in the event of any doubt or questions arising respecting the true meaning of the specifications, reference shall be made to the Contracting Officer whose decision thereon shall be final.

LIABILITY INSURANCE:

The Contractor shall not commence any work until it obtains, at its own expense, all required liability insurance. Such insurance must have the approval of the State as to limit form and amount and must be maintained with a company acceptable to the State. Such insurance must be maintained for the full period of the contract and shall provide protection from claims arising out of or resulting from the Contractor's operations under the Contract itself Subcontractor or by anyone directly or indirectly employed by any of them or by anyone for whose acts any of them may be liable.

The contractor shall take out and maintain during the life of this contract broad form public liability (Bodily Injury) and broad form property damage liability insurance in a combined single limit not less than \$1,000,000 and not less than \$2,000,000 in the aggregate to protect such contractor and all his subcontractors from claims for damages for personal injury, accidental death and property damage which may arise from operations under this contract, whether such operations be by himself or anyone directly or indirectly employed by either of them.

The insurance described herein will be maintained by the Contractor for the full period of the Contract and in no event will be terminated or otherwise allowed to lapse prior to final acceptance of the work by the State.

A certificate of insurance acceptable to the State shall be filed with the State prior to commencement of the work. Such certificate shall contain a provision that coverage afforded under the policy will not be canceled or changes until at least thirty days written notice has been given to the State by registered mail at the address denominated for the State in the Contract for

official communications to it should any policy be canceled before final acceptance by the State, and the Contractor fails to immediately procure replacement insurance as specified, the State reserves the right to procure such insurance and to deduct the cost thereof from any sum due the Contractor.

#### LAWS TO BE OBSERVED:

The Contractor at all times shall observe and comply with all Federal, State and local laws or ordinances, rules and regulations which in any manner affect those engaged or employed in the work, the materials used in the work, and the conduct of the work. The Contractor shall also comply with all such orders and decrees of bodies or tribunals having any jurisdiction or authority over the work. Any reference to such laws, ordinances, rules and regulations shall include any amendments thereto.

The Contractor shall protect and indemnify the State and its Departments and Agencies and all their officers, representatives, employees or agents against any claim or liability arising from or based on the violation of any such laws, ordinances, rules and regulations, orders and decrees, whether such violation is committed by the Contractor or his subcontractor or the employee of either or both. If any discrepancy or inconsistency is discovered in the contract for the work in relation to any such laws, ordinances, rules and regulations, orders or decrees, the Contractor shall forthwith report the same to the State of Hawaii, Department of Defense, Engineer in writing.

Attention is directed to the Hawaii Employment Relations Act, Chapter 377, HRS; Hawaii Employment Security Law, Chapter 383, HRS; Wage and Hour Law, Chapter 387, HRS; Payment of Wages, Chapter 388, HRS; and Worker's Compensation Law, Chapter 386, HRS.

Workers' Compensation - The Contractor shall, in accordance with Sections 386-121 to 386-129 Hawaii Revised Statutes, inclusive, take out adequate worker's compensation insurance for all of his employees who will be engaged in work at the site of the project.

#### PERMITS AND LICENSES:

The Contractor shall procure all permits and licenses, pay all charges and fees and give all notices necessary and incident to the due and lawful prosecution of the work.

#### CHARACTER OF WORKERS OR EQUIPMENT:

A. Character and Proficiency of Workers - All workers must have sufficient skill and experience to perform the work assigned to them and in the operation of the equipment.

Any worker employed on the project by the Contractor who, in the opinion of the Engineer or his authorized representative, is not careful and competent, does not perform his work in a proper and skillful manner or is disrespectful, intemperate, disorderly or neglects or refuses to comply with directions given, or is otherwise objectionable shall, at the written request of the

Engineer, be removed forthwith by the Contractor employing such worker and shall not be employed again in any portion of the work without the written consent of the Engineer. Should the Contractor continue to employ, or again employ such person(s) on the project, the Engineer will withhold all estimates which are or may become due, or the Engineer will suspend the work until such orders are complied with.

B. Insufficient Workers - In the event that the Engineer, in his judgment, finds the condition whereby insufficient workers are present to accomplish the work and no corrective action is taken by the Contractor after being informed, the Engineer reserves the right to terminate the contract.

C. Equipment Requirements - All equipment furnished by the Contractor and used shall be of such size and of such mechanical condition that the work can be prosecuted in an acceptable manner.

#### RIGHT TO AUDIT RECORDS

Pursuant to Section 103D-317 HRS the State, at reasonable times and places, may audit the books and records relating to the contractor's cost or pricing data. The books and records shall be maintained for a period of three years from the date of final payment under the contract, unless another period is otherwise authorized in writing.

Additionally, Sections 231-7, 235-108, 237-39 and other HRS chapters through reference, authorizes the Department of Taxation to audit all taxpayers conducting business within the State. Contractors must make available to the Department of Taxation all books and records necessary to verify compliance with the tax laws.

The following sections of the Hawaii Administrative Rules, Chapter 3-125 are amended as shown below.

#### CHANGE ORDERS TO GOODS AND SERVICES CONTRACTS – HAR 3-125-2

1. Change clause. By written order, at any time, and without notice to any surety, the procurement officer may, unilaterally, order of the contractor:
  - a. Changes in the work within the scope of the contract; and
  - b. Changes in the time of performance of the contract that do not alter the scope of the contract work.
  
2. Adjustments of price or time for performance. If any change order increases or decreases the contractor's cost of, or the time required for, performance of any part of the work under this contract, an adjustment shall be made and the contract modified in writing accordingly. Any adjustment in contract price made pursuant to this clause shall be determined, where applicable, in accordance with the price adjustment clause of this contract or as negotiated. Failure of the parties to agree to an adjustment shall not excuse the contractor from

proceeding with the contract as changed, provided that the procurement officer promptly and duly makes the provisional adjustments in payment or time for the direct costs of the work as the State deems reasonable. The right of the contractor to dispute the contract price or time required for performance or both shall not be waived by its performing the work, provided however, that it follows the written notice requirements for disputes and claims established by the contract or these rules.

3. Time Period for Claim. Within 10 days after receipt of a written change order, unless the period is extended by the procurement officer in writing, the contractor shall respond with a claim for an adjustment. The requirement for a timely written response cannot be waived and shall be a condition precedent to the assertion of a claim.
4. Claim barred after final payment. No claim by the contractor for an adjustment hereunder shall be allowed if written response is not given prior to final payment under this contract.
5. Claims not barred. In the absence of a change order, nothing in this clause shall be deemed to restrict the contractor's right to pursue a claim under the contract or for breach of contract.

#### MODIFICATIONS TO GOODS AND SERVICES CONTRACTS – HAR 3-125-3

1. Contract Modification. By a written order, at any time, and without notice to any surety, the procurement officer, subject to mutual agreement of the parties to the contract and all appropriate adjustments, may make modifications within the general scope of this contract to include any one or more of the following:
  - a. Drawings, designs, or specifications, for the goods to be furnished;
  - b. Method of shipment or packing;
  - c. Place of delivery;
  - d. Description of services to be performed;
  - e. Time of performance (i.e., hours of the day, days of the week, etc.);
  - f. Place of performance of the services; or
  - g. Other provisions of the contract accomplished by mutual action of the parties to the contract.
2. Adjustments of price or time for performance. If any modification increases or decreases the contractor's cost of, or the time required for, performance of any part of the work under this contract, an adjustment shall be made and the contract modified in writing accordingly. Any adjustment in contract price made pursuant to this clause shall be determined, where applicable, in accordance with the price adjustment clause of this contract or as negotiated.
3. Claim barred after final payment. No claim by the contractor for an adjustment hereunder shall be allowed if written agreement of modification is not made prior to final payment under this contract.

4. Claims not barred. In the absence of a contract modification, nothing in this clause shall be deemed to restrict the contractor's right to pursue a claim under the contract or for a breach of contract.

#### PRICE ADJUSTMENT FOR GOODS AND SERVICES CONTRACTS – HAR 3-125-12

1. Price adjustment. Any adjustment in contract price pursuant to a clause in this contract shall be made in one or more of the following ways;
  - a. By agreement on a fixed price adjustment before commencement of the pertinent performance or as soon thereafter as practicable;
  - b. By unit prices specified in the contract or subsequently agree upon;
  - c. By the costs attributable to the event or situation covered by the clause, plus appropriate profit or fee, all as specified in the contract or subsequently agreed upon;
  - d. In such other manner as the parties may mutually agree; or
  - e. In the absence of agreement between the parties, by a unilateral determination by the procurement officer of the costs attributable to the event or situation covered by the clause, plus appropriate profit or fee, all as computed by the procurement officer in accordance with generally accepted accounting principles and applicable sections of chapters 3-122 and 3-126, Hawaii Administrative Rules.
2. Submission of cost or pricing data. The contractor shall provide cost or pricing data for any price adjustments subject to the provision of subchapter 15, chapter 3, 122, Hawaii Administrative Rules.

#### PROMPT PAYMENT BY CONTRACTORS TO SUBCONTRACTORS – HAR 3-125-23

1. Prompt payment clause. Any money, other than retainage, paid to a contractor shall be dispersed to subcontractors within ten days after receipt of the money in accordance with the terms of the subcontract; provided that the subcontractor has met all the terms and conditions of the subcontract and there are no bona fide disputes; and, upon final payment to the contractor, full payment to the subcontractor, including retainage, shall be made within ten days after receipt of the money; provided that there are no bona fide disputes over the subcontractor's performance under the subcontract.

# **SPECIFICATIONS FOR:**

**PREVENTIVE MAINTENANCE SERVICE OF HEATING, VENTILATION,  
AND AIR CONDITIONING (HVAC) EQUIPMENT AT VARIOUS HAWAII  
ARMY NATIONAL GUARD (HIARNG) BUILDINGS AND FACILITIES IN  
OAHU**

**FOR THE:  
STATE OF HAWAII  
DEPARTMENT OF DEFENSE**

**APRIL 2021**

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## **I. GENERAL SCOPE**

The Contractor shall furnish all necessary labor, equipment, tools, materials, and apparatus to implement the preventive maintenance service to the installed heating, ventilating, and air conditioning (HVAC) equipment for the Department of Defense (DoD), Hawaii Army National Guard (HIARNG), complete as specified herein, located at various installations as listed in Appendix-A “AIR CONDITIONING PREVENTATIVE MAINTENANCE SERVICE LOCATIONS”.

## **II. GENERAL REQUIREMENTS AND QUALIFICATIONS**

The Contractor shall be a refutable heating, ventilation, and air conditioning Contractor, with a “BC” license and holds an active C-52 specialty classification and doing business within the State of Hawaii for at least five (5) years. The Contractor shall have, at the time of bid submission, a local Office on Oahu, staffed with a minimum of two (2) qualified trained personnel.

Qualified trained personnel shall mean a Refrigeration Mechanic (RM) who will be the lead onsite technician and have a minimum five (5) years of experience working as a Journey Worker servicing and repairing 50 tons and larger chillers and 10 tons and larger DX split AC system. The qualified personnel must, each at least, have a factory or equivalent certified training, at the time of bid submission, for McQuay, and Trane chillers, from a minimum of a four-day training course. The equivalent course must be a program certified by NATE, IACET, or IBSTPI.

All qualified personnel handling CFC refrigerant shall have, at the time of bid submission, a valid Universal CFC certificate.

Bidders shall provide documents at the time of bid submission, to substantiate the qualifications, experiences, and training of its personnel for respective work to be performed. Falsification of personnel qualifications shall constitute a major breach of this contract.

The Contractor shall maintain two (2) regular assigned Refrigeration Mechanics (RM) as lead Technician, and two (2) Apprentices at the following Oahu Areas:

- Kalaeloa Area;
- Central Oahu Area (Waiawa, Wahiawa, and Schofield Barracks)
- East Oahu Area (Fort Ruger and RTI Waimanalo)

The Contractor’s on-site personnel must regularly coordinate with the DoD/HIARNG Repair and Maintenance Assistants (RMA) assigned areas mentioned above.

## **III. DESCRIPTION OF WORK**

The Contractor shall perform complete preventive maintenance services, including inspections and trouble calls for all equipment included in this contract. The service shall consist of thorough maintenance work in accordance with the best commercial practices governing the maintenance of air conditioning systems. Such service shall include regularly scheduled maintenance tasks and inspections for each unit listed herein.

The Contractor shall be responsible for all costs necessary to maintain all systems (equipment, belts, filters, insulation, etc.) for complete and satisfactory operation. The Contractor shall supply, as part of the contract cost, the following materials, equipment, and consumables:

1. Air filters
2. All types of appropriate lubricants.
3. Drive belts
4. Cleaning detergents or other environmentally safe cleaning solutions.
5. Algae growth-preventive pills/solutions.
6. Cleaning brush, mops, cloth, etc.
7. Rust remover, primer and topcoat paints.
8. Lifts required to access roof mounted fans

Prospective Bidders must visit the service areas and thoroughly familiarize themselves with existing conditions, the nature, and the extent of work to be performed. No additional compensation will be made because of any misunderstanding or negligence in thoroughly familiarizing the conditions at the service areas, the nature, and extent of work to be performed. Submission of bid shall be evidence that the bidder understands and will comply with these specifications if awarded the contract. All equipment whether listed on the schedule (Appendix F “2016 HIARNG HVAC Equipment List” and “Appendix G: Addendum to Appendix F”) or not, but is a component of the air conditioning system, shall be serviced.

The Contractor shall cover only such air conditioning units that are in operating condition or determined by the DoD/HIARNG Project Manager (PM), Repair and Maintenance Assistant (RMA), or Armory Facility Administrator (AFA) at the time the contract is executed.

The Contractor shall remove all trash (i.e. old filters, belts, motors, etc.), which is produced by their work required in these specifications, from the facilities’ premises, and dispose of them properly.

All maintenance services performed by the Contractor for air conditioning and ventilation systems shall include applicable items listed but not limited to the following maintenance tasks:

#### **A. AIRHANDLER & FAN COIL UNITS**

1. Monthly Services
  - a. Clean and clear all drip pans and flush all related condensate drain lines with nitrogen contractor may be liable for water damage due to clogged drains. Install pan tablets if necessary to control algae.
  - b. Change all disposable air filters at least once a month; use Farr 30/30 or equal.
  - c. Lubricate and oil all fan and motor bearings and connections of dampers and vanes.
  - d. Check all drives for wear; adjust belt tension. Replace belt as required.
  - e. Operate equipment to check for proper operation, unusual noise and vibration; adjust or repair all equipment and controls as required; clean up all equipment.
  - f. Check time clock for proper operation and time settings.
  - g. Certify performance of monthly service and correct and report all discrepancies.
2. Annual Services
  - a. Adjust alignment of bearings and sheaves; lubricate fan and motor bearings.
  - b. Replace worn or noisy bearings or sheaves.
  - c. Clean cooling coils of dirt accumulation using nitrogen, high-pressure air/water, and steam or chemical coil cleaner solution.
  - d. Check pressure and temperature differential across cooling coils and log readings.
  - e. Clean strainers, check vents and drains on chilled water coils.

- f. Clean supply and return air grilles and dampers, and repair or replace deteriorated bird screens.
- g. Clean and adjust water valves, clean strainers (chilled water) and clean all fan wheels and interior and exterior of equipment housings.
- h. Secure all loose housing, seal leaks and touch-up paint after cleaning all rust
- i. Check and calibrate all electric temperature controls.
- j. Certify performance of annual service and correct and report all discrepancies.

**B. CENTRIFUGAL/SCREW TYPE, WATER-COOLED, LIQUID CHILLERS**

1. Monthly Service
  - a. Check and record entering and leaving chiller water and condenser water temperatures and pressures in maintenance log.
  - b. Check and record head pressure, oil pressure and system pressure; check oil heater.
  - c. Check oil pump operation; service purge compressor and purge system. Manually rotate chillers where required.
  - d. Check for refrigerant and oil leakage; recharge system.
  - e. Adjust chilled water temperature setting for seasonal changes.
  - f. Check/adjust/calibrate the oxygen/refrigerant monitor and alarm system.
  - g. Certify monthly performance of chiller operation and maintenance service and correct and report all discrepancies.
  
2. Quarterly Services
  - a. Check chiller response at various load conditions for proper operation and calibration of capacity control system.
  - b. Check safety controls and purge controls; record settings.
  - c. Certify performance of quarterly service and correct and report all discrepancies.
  
3. Semi-Annual Service
  - a. Remove heads of condenser and internal brush tubes while cleaning the associated cooling tower. Coordinate with water treatment contractor and Project Manager.
  - b. Perform pressure tests to detect refrigerant leaks.
  - c. Check condition of insulation; repair/reinsulate properly & immediately, including any time disturbing of insulation is require to perform work, or upon discovery or notification.
  - d. Certify performance of semi-annual service and correct and report all discrepancies.
  
4. Annual Service
  - a. Have chiller and purge compressor oil analyzed and submit written report.
  - b. Replace oil cooler filter cartridge; change oil if recommended by analysis and per manufacturer's recommendations. Dispose of oil as specified.
  - c. Check refrigerant; replace filter-drier.
  - d. Inspect purge compressor and drum; clean and replace wearing parts
  - e. Electronic leak test entire system and repair leaks.
  - f. Megger chiller and oil pump motors and submit written report of readings; check relay contacts and electrical connections.
  - g. Test operate control switches; unloaders, safeties; calibrate and record settings.
  - h. Clean and remove all dust and foreign matter. Clean all rust spots and scratches and touch up paint with matching color, immediately upon discovery or notification.
  - i. Certify performance of annual service, report and correct all discrepancies. Submit maintenance report in writing for each unit.

### **C. COOLING TOWER**

1. Monthly Service
  - a. Check and adjust water make-up float valve and bleed rate.
  - b. Check general condition of tower interior and water distribution pattern.
  - c. Check and lubricate motor and fan bearings.
  - d. Check all drives for wear; adjust belt tension. Replace belts or sheaves as required.
  - e. Remove foreign material from inside the tower.
  - f. Check for leaks, patch, correct or repair **immediately upon discovery or notification**.
  - g. Certify performance of monthly maintenance service and correct and report all discrepancies.
2. Semi-Annual Service
  - a. Drain, clean and flush tower; coordinate with water treatment contractor and the project manager.
  - b. Clean condenser suction screen, drift eliminators, spray nozzles and vacuum basin residue.
  - c. Certify semi-annual cleaning of towers and correct and report all discrepancies.

### **D. WATER TREATMENT SERVICE FOR COOLING TOWER**

1. Bidder may subcontract for the chemicals and water treatment service which shall be provided under this contract by a qualified water treatment company experienced in the business of servicing air conditioning water systems.

### **E. VENTILATING FANS (Exhaust and Supply)**

1. Semiannual Services
  - a. Clean fan wheels and housings of dust, dirt, and grease.
  - b. Check back-draft dampers for proper operation; lubricate linkage for free movement.
  - c. Lubricate fan motors and bearings.
  - d. Check belt wear and tension; adjust or replace as needed.
  - e. Check sheaves for wear, replace as needed.
  - f. Check fan collar, bearings and shaft for wear, repair or replace as needed.
  - g. Certify performance of quarterly service and correct and report all discrepancies.

### **F. WATER PUMPS**

1. Quarterly Services
  - a. Lubricate and check pump and motor bearings for abnormal temperature and unusual noise or vibration and repair as needed.
  - b. Check packing glands and seals for excessive leakage. Adjust, tighten or replace as required.
  - c. Certify performance of quarterly service and correct and report all discrepancies.
2. Semiannual Services
  - a. Check and blow down strainer to chilled water pumps. Remove and clean strainer if excessive debris is noted.
  - b. Check conditions of insulation, reinsulated as necessary.
  - c. Log suction and discharge pressures.
  - d. Clean and remove all dust and foreign matter. Clean all rust spots and scratches and touch up paint with matching color.
  - e. Check motor coupling for alignment; secure mounting bolts.

- f. Certify performance of semi-annual service and correct and report all discrepancies.

## **G. TEMPERATURE CONTROLS**

- 1. Quarterly Services
  - a. Check control devices for proper operation, sticking stems, and calibration; repair/replace weak or broken springs and all other parts.
  - b. Adjust thermostat to maintain 75 degrees F room temperature.
  - c. Certify performance of quarterly service and correct and report all discrepancies.

## **H. AIR-COOLED CHILLERS**

- 1. Monthly Service
  - a. Check and record entering and leaving water temperatures and pressures of chilled water in "Maintenance Report".
  - b. Check and record refrigerant compressor suction and discharge and oil pressures.
  - c. Visual check for water, refrigerant and oil leakage; correct or repair as required. Check vibration isolator mounts.
  - d. Check compressor, fan, and motor bearings for abnormal temperature and unusual noise; lubricate and/or replace as required.
  - e. Adjust chilled water temperature setting for seasonal change.
  - f. Check compressor oil level and add oil as required.
  - g. Check condenser fan belt and tension, adjust, or replace as required.
  - h. Adjust alignment of bearings and sheaves for fans, motors, and compressors, and replace worn or noisy bearings or sheaves.
  - i. Note and run system operation through complete operating cycle and adjust for proper operation.
  - j. Certify performance of monthly service and correct and report all discrepancies.
- 2. Quarterly Services
  - a. Check chiller response at various cooling load conditions for proper operation and calibration of capacity control system.
  - b. Check operation of freeze stat and oil failure switch; record settings.
  - c. Test and adjust "make-up" water and expansion tank.
  - d. Clean condenser coils with water washer, steam or surfactant chemical coil cleaner (alkaline or acidic cleaners not allowed).
  - e. Certify performance of quarterly service and correct and report all discrepancies.
- 3. Semiannual Services
  - a. Remove heads of condenser and internally brush tubes.
  - b. Certify performance of semi-annual service and correct and report all discrepancies.
- 4. Annual Service
  - a. Have compressor crankcase oil analyzed and submit written report. Replace strainer and oil filter; change oil if recommended by analysis and per manufacturer's recommendations.
  - b. Check refrigerant; replace filter-drier.
  - c. Megger (electrical test to measure wire insulation resistance, i.e. condition)

- Chiller/compressor motor; check starter relay and control contacts and electrical connections for tightness and clean as required.
- d. Test and operate control switches, compressor unloading and safeties; calibrate and record settings. Adjust as required.
  - e. Check and clean all unit housings (inside and outside and components), seal leaks and remove rust from exterior components and touch-up paint with match color, immediately upon discovery or notification.
  - f. Check condition of insulation; repair/re-insulate properly & immediately, including any time disturbing of insulation is require to perform work, or upon discovery or notification.
  - g. Submit and certify performance of annual service and correct and report in writing to the AFA all discrepancies.

## **I. PACKAGE OR SPLIT DX AIR-COOLED AIR CONDITIONER**

1. Monthly Service
  - a. Perform the tasks in item A “Air Handler and Fan Coil Units”
  - b. Check and record refrigerant compressor suction and discharge and oil pressures.
  - c. Visual check for refrigerant and oil leakage; correct or repair as required.
  - d. Check compressor, fan, and motor bearings for abnormal temperature and unusual noise; lubricate and/or replace as required.
  - e. Check compressor oil level and add oil as required.
  - f. Check condenser fan belt and tension, adjust, or replace as required.
  - g. Adjust alignment of bearings and sheaves for fans, motors, and compressors, and replace worn or noisy bearings or sheaves.
  - h. Note and run system operation through complete operating cycle and adjust for proper operation.
  - i. Certify performance of monthly service and correct and report all discrepancies.
2. Quarterly Service
  - a. Clean condenser coils with water washer, steam or surfactant chemical coil cleaner (alkaline or acidic cleaners not allowed).
  - b. Certify performance of quarterly service and correct and report all discrepancies.
3. Annual Service
  - a. Perform the tasks in item A “Air Handler and Fan Coil Units”
  - b. Check refrigerant; replace filter-drier.
  - c. Megger (electrical test to measure wire insulation resistance, i.e. condition) compressor motor; check starter relay and control contacts and electrical connections for tightness and clean as required.
  - d. Test and operate control switches, compressor unloading and safeties; calibrate and record settings. Adjust as required.
  - e. Check and clean all unit housings (inside and outside and components), seal leaks and remove rust from exterior components and touch-up paint with match color, immediately upon discovery or notification.
  - f. Check condition of insulation; repair/re-insulate properly & immediately, including any time disturbing of insulation is require to perform work, or upon discovery or notification.
  - g. Run and check units’ operation and controls through complete cycle; record temperature and setting when compressor cuts in.
  - h. Certify performance of quarterly maintenance service and correct and report all

discrepancies.

**J. DEHUMIDIFIER**

1. Monthly Service
  - a. Remove and clean drip tray and condensate drain pan.
  - b. Clean/unclog condensate drain pipes.
  - c. Check operation of condensate pump. Lubricate bearing.
  - d. Operate equipment and observe unusual noise, vibrations, and other minor defects. Make adjustments as required to keep unit in good operating condition.

**K. STANDBY AND LEAD-LAG EQUIPMENT (Pumps, Chillers, Cooling Towers, etc.) AND TIME CLOCKS**

1. Monthly Service
  - a. The Contractor shall be responsible for the operational changeover of all lead-lag-standby equipment.
  - b. Clean contacts, replace if necessary; check and adjust time settings as directed or required.
  - c. Certify that all discrepancies are reported and corrected.
2. Annual Service
  - a. Check time clocks for proper operation and set time clock operation as directed by the Project Manager.

**L. VALVES, EQUIPMENT AND SUPPORTS**

1. Annual Service
  - a. The Contractor shall exercise all equipment shut-off valves annually for proper operation and tightness.
  - b. Wire brush, prime and paint rust from pipe, equipment and support surface to prevent further rusting.
  - c. Certify that all discrepancies are reported and corrected.

**B. CLEANING OF MECHANICAL EQUIPMENT ROOMS/ENCLOSURES**

1. Monthly Services
  - a. Vacuum or wipe clean, all equipment surfaces and all related appurtenance.
  - b. Vacuum clean or sweep entire floor.
  - c. Wet wash complete floor area with tap water where allowed. Remove all used, deteriorated, replace, discarded parts and related debris. CAUTION: DO NOT splash water onto the electrical and mechanical equipment.
  - d. Notify the RMA or AFA of any dangerous conditions, improper storage of furniture, materials, and supplies, inside mechanical equipment rooms/enclosures that may prevent or hinder the Contractor's personnel from performing work.

**C. AIR SUPPLY AND RETURN GRILLES**

1. Quarterly Services
  - a. Remove dust on air supply and return grilles with the use of wiping cloth, brush, or vacuum cleaner. Clean heavily soiled grilles with water and environment-safe detergent.

**IV. SPECIAL REPORTS**

Within ninety (90) calendar days after the award of the contract, the Contractor shall verify the information in the Microsoft Excel spreadsheet entitled “2021 HIARNG AC Equipment List.xlsx” and resubmit the revised spreadsheet to the DoD/HIARNG Project Manager.

The Excel spreadsheet shall show brand/model numbers, serial numbers, actual location of equipment, as well as filter and belt information (i.e. type and quantity) for the equipment serviced.

The Contractor shall also submit an annual updated inventory of equipment both as a Microsoft Excel spreadsheet and a hardcopy during the contract period.

**V. WORK SCHEDULE**

All regular maintenance work shall be performed between the hours of 7:00 a.m. and 4:00 p.m., on normal working days, Monday through Friday, excluding State Holidays.

Quarterly maintenance tasks shall be performed on the fourth, seventh and tenth month of the one-year period on normal working days or as coordinated by the Project Manager.

Semiannual maintenance tasks shall be performed on the sixth month of the one-year period on normal working days or as coordinated by the Project Manager.

Annual maintenance tasks shall be performed on the final month of the one-year period, on normal working days or as coordinated by the Project Manager.

The Contractor shall provide a maintenance schedule to the Project Manager and area RMA with a 72 hour advance notice for the various service locations including day and month when they will be at each service location.

All work performed by the Contractor shall be subject to inspection by the Project Manager, RMA, or AFA. The Contractor shall be informed of all deficiencies found by the Project Manager or RMA. The Contractor shall correct all deficiencies within five (5) working days.

**VI. MAINTENANCE REPORT/CHECKLIST**

The Contractor shall provide a maintenance report/checklist for each item serviced and have it signed by the RMA, AFA or Project Manager on the same day of PM Service completed. A sample maintenance report/checklist is given in Appendix-C. The report/checklist shall include the following:

1. Date maintenance service was performed.
2. The name of the JRM who performed the maintenance.
3. The type and cost (labor, materials, parts and equipment) of repair work performed on the unit, if any.
4. Documents and other data pertaining to the maintenance performed.

**VII. EMERGENCY SERVICE AND REPAIR**

The services required for all equipment under this contract shall be for maintenance services only. However, because the equipment may require repairs on an emergency basis, Contractor shall provide these repairs if requested by the Project Manager. The cost for such emergency repairs shall be handled as a separate cost, not as part of this contract. It shall be understood and agreed that the DoD shall not be obligated under this

contract to call the Contractor for emergency repairs but the Contractor shall respond and provide emergency repairs if and when requested by the DoD.

Service calls for water leaks in the ceiling, which may be associated with the condensate drain system shall be at no charge. The Contractor shall clear system, if related to condensate drainage.

The Contractor shall respond to the DoD's request for emergency repairs within two and one-half (2-1/2) hours after such request is made to the Contractor. All emergency repair work shall be completed in a reasonable time as determined by the AFA or an authorized representative. Response time shall mean the time the Contractor is physically at the site of the air conditioning units needing repair from the time the Contractor is notified.

Emergency service and repairs required between regular service calls shall be rendered within 24 hours after the Contractor is notified, non-work days excluded.

**VIII. INCLUSION OF NEW OR REPLACEMENT EQUIPMENT INTO THE PM AGREEMENT**

The Contractor shall provide preventive maintenance (PM) services on replaced air conditioning units under the requirements of the new equipment warranty. The Project Manager will provide a copy of the warranty to the Contractor when air conditioning units are installed. Preventive maintenance services for replacement of air conditioning units covered under this contract will be at no additional cost to the DoD.

The Contractor shall submit a proposal for preventive maintenance services for any new HVAC equipment (i.e. packaged or central air conditioning units) where none were previously installed. If the DoD is agreeable to the costs, the servicing of the equipment will be a supplement to the contract. Appendix B "AIR CONDITIONING PREVENTIVE MAINTENANCE FUTURE SERVICE LOCATIONS" contains a list of facilities that may have additional equipment for service.

**IX. REMOVAL OF CONTRACTOR'S EMPLOYEES**

The Contractor agrees to remove any of its employees from services rendered and to be rendered upon request in writing by the DoD.

In the event the Contractor fails, neglects, or refuses to comply with the requirements herein, the DoD shall have in addition to any recourse, the right to terminate the contract without service of notice or resort to legal process and without any legal liability on its part. Any loss of anticipated profits from such termination shall not constitute grounds for equitable adjustment under this contract.

**X. CLEANUP AND WORK PRACTICES**

The Contractor shall keep the job site free of debris, litter, discarded parts, etc. and shall clean all oil drippings during the daily progress of work. The Contractor shall remove all tools, parts, and equipment from the service areas upon completion of the work.

The Contractor shall exercise caution during the progress of the maintenance and repair work to prevent damages to the ceilings, roofing and other building structure. Restore all

damages, caused by negligence, to its original condition at the Contractor's own expense.

**XI. SAFETY PRECAUTIONS**

The Contractor is not to perform maintenance and repair work until all switches are de-energized, locked, and tagged. The Contractor shall comply with all applicable safety regulations promulgated by OSHA, EPA and other governmental agencies.

In cases of work to be performed on roof top with high risk of accidents, all workers must wear personnel harness that must be securely attached to the lifeline/s. Lifelines must be attached securely to any fixed structural members of the building. **NOTE:** When performing preventive maintenance service on roof mounted fans and other equipment, the Contractor shall always take extra precautions not to damage the existing roof panels. It will be the Contractor's responsibilities to repair and pay for the repair of any part of the roof damaged during the service.

Safety signs, warning signs, and barricades shall be posted/placed at areas where necessary.

The Contractor's Workers shall at all times, during the preventive maintenance service, wear the required Personnel Protective Equipment such as eye protector, ear plugs, work gloves, safety shoes, safety vests, respirator, head guard/helmet, and others, which are appropriate for the work activities being performed.

**XII. SUBMITTALS**

1. Submit Certificates that the Journeymen Refrigeration Mechanics (JRM) who will be assigned to perform the preventive maintenance work are qualified and have a minimum of three (3) years related experience.
2. Within fourteen (14) working days after the award of this contract, the Contractor shall submit in writing to the Project Manager a proposed Maintenance Checklist/Report Form (Appendix C and D) and a service maintenance schedule (Appendix E) all in sufficient detail to show its adequacy in carrying out the terms of this contract.
3. Before the start of service, submit a Work and Safety Program for approval.
4. Contractor shall submit to the Project Manager, a list of names of JRM and Apprentice/Helper, to include the names of alternate Personnel.
5. Contractor shall submit to the Project Manager, the brand/model and licensed plate numbers of the Company vehicles that will be used in the performance of the service.

**XIII. "LITTLE" DAVIS-BACON ACT (HRS CHAPTER 104)**

If it shall be required, this project shall be covered by the "Little" Davis-Bacon Act (HRS 104) and shall follow its mandate that all Workers who are "direct cost contributors" to the project shall be paid the basic wage rate plus fringe benefits based on their "Classifications", as listed on the latest Hawaii Wage Rate Schedule. If it shall be required, Certified Payroll/s shall be submitted by the Contractor together with the billing invoice/s for the billed work period.

Wages and fringe benefits of Workers who are members of any legitimate Workers Union in Hawaii must not be less than the wages and fringe benefits shown on the latest State of Hawaii Wage Rate Schedule based on the Workers' classification.

APPENDIX-A: AIR CONDITIONING PREVENTATIVE MAINTENANCE SERVICE  
LOCATIONS

Bid Item No.	Facility/Location
1	Building 19 (JFHQ, HHD Admin Bldg), Kalaeloa
2	Building 46 (Medical Detachment), Kalaeloa
3	Building 1784 (HIARNG Staff Bldg), Kalaeloa
4	Building 1785 (HIARNG HQ Bldg), Kalaeloa
5	Building 1788 (HIARNG HQ Conf Rm), Kalaeloa
6	Building 1898 (Admin Gen Purp Bldg), Kalaeloa
7	Building 117.(Bravo Co., USPFO, FMS 1)Kalaeloa
8	Building 117B (CSMS#1 External Work Bay), Kalaeloa
9	Building 663 (CSMS #1 Admin Bldg), Kalaeloa
10	Building 282 (Admin Gen Purpose Bldg), Kalaeloa
11	Building 134 (93d CST Readiness Bldg), Kalaeloa
12	Building 29 (Brigade Readiness Center), Kalaeloa
13	Building 1903 (Environmental Admin Office), Kalaeloa
14	Building 175 (HIARNG Mail Distribution Center) Kalaeloa
15	Regional Training Site-Maintenance, 96-1230 Waihona St., Pearl City
16	Waiawa Armory, 103rd Troop Command (B001), 96-1210 Waihona St., Pearl City
17	Waiawa Armory, Band Building (B002), 96-1210 Waihona St., Pearl City
18	UTES (Building 21); 96-1210 Waihona St., Pearl City
19	Building 829, Army Aviation Support Facility #1, Wheeler AAF, Wahiawa
20	Building 832, C/193 Aviation Armory, Wheeler AAF, Wahiawa
21	Building 825, OSA Det 55, Wheeler AAF, Wahiawa
22	Wahiawa Armory, 77-230 Kamehameha Highway, Wahiawa
23	RTI Classrooms Bldg. 710, Bellows AFS
24	RTI Administrative Bldg. 711, Bellows AFS
25	RTI Dining Facility Bldg. 712, Bellows AFS
26	RTI Auditorium Bldg. 713, Bellows AFS
27	RTI Army Lodging #1 Bldg. 714, Bellows AFS
28	RTI Physical Fitness/Laundry Bldg. 715, Bellows AFS
29	RTI Army Lodging #2 Bldg. 716, Bellows AFS
30	Building 300, 22nd Avenue, Fort Ruger, Honolulu
31	Building 300A, 22nd Avenue, Fort Ruger, Honolulu
32	Building 306, 3949 Diamond Head Road, Honolulu
33	Building 306A, 3949 Diamond Head Road, Honolulu
34	Battery Tunnel 407, Diamond Head Crater
35	Building 30 (Aviation/Hangar Building), Kalaeloa
36	Building 1874 (Aviation Units Building), Kalaeloa
37	Building 714A (RTI EST/Pavilion), Bellows AFS

APPENDIX-B: AIR CONDITIONING PREVENTATIVE MAINTENANCE FUTURE  
SERVICE LOCATIONS

Item No.	Facility/Location
1	Battery Tunnel 407, Diamond Head Crater: Proposed Project to replace existing HVAC
2	Building 282, Kalaeloa: Possible installation of additional Split Type AC units
3	Building 306A: Proposed conversion from split types to centralized system
4	Building 1874, Kalaeloa: Possible additional units for still unoccupied areas
5	Building 19, Kalaeloa: Possible conversion of storage area to Central Gym
6	Building 300, Diamond Head: Possible additional HVAC upgrade projects
7	Building 832, Schofield Barracks: Possible additional AC units for new Unit transfers
8	Building 186, Kalaeloa: Possible conversion CERFP Controlled Temperature Storage
9	Building 29/Phase 2, Kalaeloa: Project may be completed between 2024-2025





TEST DATA:

CHILLERS	1	2	3	4	5	6
Chilled Water Supply Temperature						
Chilled Water Return Temperature						
Chilled Water Pump Discharge Pressure						
Chilled Water Pump Suction Pressure						
Chilled Water Pump Static Pressure						

COMPRESSORS	1		2		3		4	
Capacity Reduction	RLA	Ref Press						
Full Load								
75%								
50%								
25%								

AIR HANDLING UNITS	1	2	3	4	5	6	7	8
Supply Air Temperature								
Return Air Temperature								
Differential Air Pressure								
Chilled Water Supply Temperature								
Chilled Water Return Temperature								
Chilled Water Supply Pressure								
Chilled Water Return Pressure								

FAN COIL UNITS	1	2	3	4	5	6	7	8
Supply Air Temperature								
Return Air Temperature								
Differential Air Pressure								
Chilled Water Supply Temperature								
Chilled Water Return Temperature								
Chilled Water Supply Pressure								
Chilled Water Return Pressure								

APPENDIX-E: SAMPLE: EQUIPMENT LIST, SERVICE MAINTENANCE SCHEDULE

QTY	DESCRIPTION	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
	AIR COOLED PACKAGE CHILLER												
2	Check overall condition of unit	X											
	CHILLWATER AIR HANDLER UNIT(S)												
25	Check overall condition of unit	X											
	CHILLWATER PUMPS												
2	Check overall condition of unit	X											
	VENTILATION EQUIPMENT EXHAUST FAN and SUPPLY AIR FAN												
2	Check overall condition of unit	X											
	DEHUMIDIFIER INDOOR UNITS												
2	Check overall condition of unit	X											
	DEHUMIDIFIER OUTDOOR UNITS												
2	Check overall condition of unit	X											

Notes: Contractor shall adjust contents of APPENDIX-C, D & E sample forms for PM Service and schedule.

**APPENDIX F- 2016 HIARNG HVAC EQUIPMENT LIST (OAHU)**

Information to be completed/ verified by Contractor as part of contract. Exhaust fans highlighted in red will require a lift to service unit on the roof.

Equipment Item #	Bldg.	Location	Description	Qty.	Building Location	Make	Model	Serial	Filter (Model no, Qty)	Belt (Model No, Qty)
1	19	Kalaeloa	Roof Top Packaged Unit	2	Rooftop				20x24x2 Qty 4	Qty 1
2	19	Kalaeloa	Roof Top Packaged Unit	3	Rooftop				16x20x2 Qty 1	D/D
3	19	Kalaeloa	Roof Top Packaged Unit (PACU 3) Office Orderly	1	Rooftop				12x24x2 Qty 6	Qty 1
4	19	Kalaeloa	Mini Split System	4						
5	19	Kalaeloa	EF-1	1	Kitchen Hood					
6	19	Kalaeloa	EF-2	1	Dishwasher Hood					
7	19	Kalaeloa	EF-3	1	Griddle Hood					
8	19	Kalaeloa	EF-4	1	Sanitizing Sink Hood					
1	46	Kalaeloa	Chiller	1		Carrier	30HL050E511	4805Q05808		
2	46	Kalaeloa	AHU	1		Carrier	39MN40B005C7612XXS	0206V01014	20-16X25X2	
3	46	Kalaeloa	CHW Pump	1			3X25X6 428	C530095	12-16X20X2	
4	46	Kalaeloa	Remote condensor	1		Carrier	39MN40B005C2711XXS	0206V01014	6-16X25X2	
1	1784	Kalaeloa	AHU	1	Rm. 101	Carrier	42VE038LDY5APYM	945921-20-1	1-7X26 3/4X1	D/D
2	1784	Kalaeloa	FCU	1	Rm. 101A		03BR	10-33	1-7X26 3/4X1	D/D
3	1784	Kalaeloa	FCU	1	Rm. 101B		03BR	10-7	1-7X26 3/4X1	D/D
4	1784	Kalaeloa	FCU	1	Rm 101C		03BL	20-6	1-7X26 3/4X1	D/D
5	1784	Kalaeloa	FCU	1	Rm. 101D		03BL	20-10	1-7X26 3/4X1	D/D
6	1784	Kalaeloa	FCU	1	Rm. 103		03BR	10-5	1-7X26 3/4X1	D/D
7	1784	Kalaeloa	FCU	1	Rm. 103A		03BR	10-4	1-7X26 3/4X1	D/D
8	1784	Kalaeloa	FCU	1	Rm. 103B		03BR	10-21	1-7X26 3/4X1	D/D
9	1784	Kalaeloa	FCU	1	Rm. 103C		03BL	20-23	1-7X26 3/4X1	D/D
10	1784	Kalaeloa	FCU	1	Rm. 103D		03BL	20-10	1-7X26 3/4X1	D/D
11	1784	Kalaeloa	FCU	1	Rm. 102		03BL	20-16	1-7X26 3/4X1	D/D
12	1784	Kalaeloa	FCU	1	Rm 102A		03BR	10-3	1-7X26 3/4X1	D/D
13	1784	Kalaeloa	FCU	1	Rm. 102B		03BR	10-15	1-7X26 3/4X1	D/D
14	1784	Kalaeloa	FCU	1	Rm. 102C		03BL	20-15	1-7X26 3/4X1	D/D
15	1784	Kalaeloa	FCU	1	Rm 102D		03BR	10-19	1-7X26 3/4X1	D/D
16	1784	Kalaeloa	FCU	1	Rm. 103		03BR	10-5	1-7X26 3/4X1	D/D
17	1784	Kalaeloa	FCU	1	Rm. 103A		03BR	10-4	1-7X26 3/4X1	D/D
18	1784	Kalaeloa	FCU	1	Rm. 103B		03BR	10-21	1-7X26 3/4X1	D/D
19	1784	Kalaeloa	FCU	1	Rm. 103C		Locked		1-7X26 3/4X1	D/D
20	1784	Kalaeloa	FCU	1	Rm. 103D		Locked		1-7X26 3/4X1	D/D
21	1784	Kalaeloa	FCU	1	Rm. 104		03BR	10-32	1-7X26 3/4X1	D/D
22	1784	Kalaeloa	FCU	1	Rm. 104A		Renovation		1-7X26 3/4X1	D/D
23	1784	Kalaeloa	FCU	1	Rm. 104B		Renovation		1-7X26 3/4X1	D/D
24	1784	Kalaeloa	FCU	1	Rm. 104C		03BL	20-21	1-7X26 3/4X1	D/D
25	1784	Kalaeloa	FCU	1	Rm. 140D		03BL	20-21	1-7X26 3/4X1	D/D
26	1784	Kalaeloa	FCU	1	Rm. 105		03BR	10-35	1-7X26 3/4X1	D/D
27	1784	Kalaeloa	FCU	1	Rm 105A		03BR	10-20	1-7X26 3/4X1	D/D
28	1784	Kalaeloa	FCU	1	Rm. 105B		03BR	10-25	1-7X26 3/4X1	D/D
29	1784	Kalaeloa	FCU	1	Rm. 105C		03BL	20-11	1-7X26 3/4X1	D/D
30	1784	Kalaeloa	FCU	1	Rm. 105D		03BL	20-2	1-7X26 3/4X1	D/D
31	1784	Kalaeloa	FCU	1	Rm 201		03BL	20-26	1-7X26 3/4X1	D/D
32	1784	Kalaeloa	FCU	1	Rm. 201A		03BR	10-16	1-7X26 3/4X1	D/D
33	1784	Kalaeloa	FCU	1	Rm. 201B		03BR	10-22	1-7X26 3/4X1	D/D
34	1784	Kalaeloa	FCU	1	Rm. 201C		03BL	10-7	1-7X26 3/4X1	D/D
35	1784	Kalaeloa	FCU	1	Rm. 201D		03BL	20-3	1-7X26 3/4X1	D/D
36	1784	Kalaeloa	FCU	1	Rm 202		03BL	20-30	1-7X26 3/4X1	D/D
37	1784	Kalaeloa	FCU	1	Rm. 202A		03BR	10-34	1-7X26 3/4X1	D/D
38	1784	Kalaeloa	FCU	1	Rm. 202B		03BR	10-9	1-7X26 3/4X1	D/D
39	1784	Kalaeloa	FCU	1	Rm. 202C		03BL	20-28	1-7X26 3/4X1	D/D
40	1784	Kalaeloa	FCU	1	Rm. 202D		03BL	20-27	1-7X26 3/4X1	D/D
41	1784	Kalaeloa	FCU	1	Rm. 203		03BR	10-23	1-7X26 3/4X1	D/D
42	1784	Kalaeloa	FCU	1	Rm. 203A		03BR	10-12	1-7X26 3/4X1	D/D
43	1784	Kalaeloa	FCU	1	Rm. 203B		03BR	10-31	1-7X26 3/4X1	D/D
44	1784	Kalaeloa	FCU	1	Rm. 203C		03BR	10-28	1-7X26 3/4X1	D/D
45	1784	Kalaeloa	FCU	1	Rm. 203D		03BL	20-5	1-7X26 3/4X1	D/D
46	1784	Kalaeloa	FCU	1	Rm. 204		03BR	10-8	1-7X26 3/4X1	D/D
47	1784	Kalaeloa	FCU	1	Rm. 204A		03BR	10-11	1-7X26 3/4X1	D/D
48	1784	Kalaeloa	FCU	1	Rm. 204B		03BR	10-10	1-7X26 3/4X1	D/D
49	1784	Kalaeloa	FCU	1	Rm. 204C		03BL	20-17	1-7X26 3/4X1	D/D
50	1784	Kalaeloa	FCU	1	Rm. 204D		03BR	10-31	1-7X26 3/4X1	D/D
51	1784	Kalaeloa	FCU	1	Rm. 205		03BR	10-37	1-7X26 3/4X1	D/D
52	1784	Kalaeloa	FCU	1	Rm. 205A		03BR	10-14	1-7X26 3/4X1	D/D
53	1784	Kalaeloa	FCU	1	Rm. 205B		03BR	10-18	1-7X26 3/4X1	D/D
54	1784	Kalaeloa	FCU	1	Rm. 205C		03BL	20-24	1-7X26 3/4X1	D/D
55	1784	Kalaeloa	FCU	1	Rm 205D		03BL	20-9	1-7X26 3/4X1	D/D
56	1784	Kalaeloa	FCU	1	Rm 302		03BL	20-4	1-7X26 3/4X1	D/D
57	1784	Kalaeloa	FCU	1	Rm. 302A		03BR	10-27	1-7X26 3/4X1	D/D

Equipment Item #	Bldg.	Location	Description	Qty.	Building Location	Make	Model	Serial	Filter (Model no, Qty)	Belt (Model No, Qty)
58	1784	Kalaeloa	FCU	1	Rm. 302B		03BR	10-17	1-7X26 3/4X1	D/D
59	1784	Kalaeloa	FCU	1	Rm. 302C		03BL	20-20	1-7X26 3/4X1	D/D
60	1784	Kalaeloa	FCU	1	Rm. 302D		03BL	20-25	1-7X26 3/4X1	D/D
61	1784	Kalaeloa	FCU	1	Rm. 303		03BR	10-19	1-7X26 3/4X1	D/D
62	1784	Kalaeloa	FCU	1	Rm. 303A		03BR	10-13	1-7X26 3/4X1	D/D
63	1784	Kalaeloa	FCU	1	Rm. 303B		03BR	10-30	1-7X26 3/4X1	D/D
64	1784	Kalaeloa	FCU	1	Rm. 303C		03BL	20-12	1-7X26 3/4X1	D/D
65	1784	Kalaeloa	FCU	1	Rm. 303D		03BL	20-14	1-7X26 3/4X1	D/D
66	1784	Kalaeloa	FCU	1	Rm. 304		03BR	10-24	1-7X26 3/4X1	D/D
67	1784	Kalaeloa	FCU	1	Rm. 304A		03BR	10-2	1-7X26 3/4X1	D/D
68	1784	Kalaeloa	FCU	1	Rm. 304B		03BR	10-6	1-7X26 3/4X1	D/D
69	1784	Kalaeloa	FCU	1	Rm. 304C		03BR	20-17	1-7X26 3/4X1	D/D
70	1784	Kalaeloa	FCU	1	Rm. 304D		03BL	20-8	1-7X26 3/4X1	D/D
71	1784	Kalaeloa	FCU	1	Rm. 305		03BR	10-1	1-7X26 3/4X1	D/D
72	1784	Kalaeloa	FCU	1	Rm. 305A		Locked		1-7X26 3/4X1	D/D
73	1784	Kalaeloa	FCU	1	Rm. 305B		03BR	10-26	1-7X26 3/4X1	D/D
74	1784	Kalaeloa	FCU	1	Rm 305C		03BL	20-32	1-7X26 3/4X1	D/D
75	1784	Kalaeloa	FCU	1	Rm. 305D		03BL	20-33	1-7X26 3/4X1	D/D
1	1785	Kalaeloa	AHU	4						
2	1785	Kalaeloa	Mini Split	1		Mitsubishi				
1	1788	Kalaeloa	Air cooled Chiller #1	1	Outside	Carrier	30RBA1206	5105Q80630	NA	NA
2	1788	Kalaeloa	CHW pump	2			NA	NA		
3	1788	Kalaeloa	FCU	1		Carrier	42VBA04BLCY54PYM	955181-30-1	1-7 3/4X 31 3/4X 1	D/D
4	1788	Kalaeloa	FCU	1		Carrier	42VBA04BRCY5APYM	955181-10-1	1-7 3/4X 43 3/4X 1	D/D
5	1788	Kalaeloa	FCU	1		Carrier	42VBA08BLCY5APYM	955181-30-1	1-7 3/4X 31 3/4X 1	D/D
6	1788	Kalaeloa	EF-2	4						
1	1898	Kalaeloa	Air Cooled Chiller #1	1	Outside	McQuay	AGZ080DHSNN-ER10		NA	NA
2	1898	Kalaeloa	CHWP	2	Outside					
3	1898	Kalaeloa	Air Compressor		East Mech. Rm.					
4	1898	Kalaeloa	AHU-1	1	East Mech. Rm.	Carrier		3235T34248	6-24X24X2	1-BX38
5	1898	Kalaeloa	AHU-2	1	East Mech. Rm.	Carrier		3285T33246	15-24X24X2	2-5VX710
6	1898	Kalaeloa	AHU-3	1	East Mech. Rm.	Carrier		328ST33258	8-24X24X2	1-BX38
7	1898	Kalaeloa	AHU-4	1	East Mech. Rm.	Carrier			8-24X24X2	2-AX36
8	1898	Kalaeloa	AHU-5	1	East Mech. Rm.	Carrier		3285T33255	15-24X24X2	3-BP90
9	1898	Kalaeloa	AHU-6	1	West Mech. Rm.	Carrier		3285T33244		
10	1898	Kalaeloa	AHU-7	1	West Mech. Rm.	Carrier		3285T33253		
11	1898	Kalaeloa	AHU-8	1	West Mech. Rm.	Carrier		3285T33245		
12	1898	Kalaeloa	Exhaust Fan	13						
1	117	Kalaeloa	Air Cooled Chiller #1 (CH-1)	1	Outside	Trane	RTAA1004YR0143C0QB	U05G02194		
2	117	Kalaeloa	Air Cooled Chiller #2 (CH-2)	1	Outside	Trane	RTAA1004YR0143C0QB	U05G02195		
3	117	Kalaeloa	CHWP	2	Outside					
4	117	Kalaeloa	AHU			Trane			20x25x2 (10)	Qty 2
5	117	Kalaeloa	AHU			Trane			16x25x2 (1) 20x25x2 (1)	Qty 1
6	117	Kalaeloa	AHU1- AHU23	23		Trane			2 EA AHU w/ 1 EA air filter and no belt 21 EA AHU w/ 2 EA air filter and 1 EA belt	
7	117	Kalaeloa	Dehumidifier (DH-C-1)	1	VAULT C128					
8	117	Kalaeloa	Dehumidifier Remote Condenser (DRC-C-1)	1	VAULT C128					
9	117	Kalaeloa	Dehumidifier (DH-C-2)	1	UNIT STORAGE C130					
10	117	Kalaeloa	Dehumidifier Remote Condenser (DRC-C-2)	1	UNIT STORAGE C130					
11	117	Kalaeloa	Dehumidifier (DH-A-1)	1	ARMS VAULT A149					
12	117	Kalaeloa	Dehumidifier Remote Condenser (DRC-A-1)	1	ARMS VAULT A149					
13	117	Kalaeloa	EF-A-1 CENTRIFUGAL ROOF UPBLAST	1	P&C WAREHOUSE A156G					
14	117	Kalaeloa	EF-A-2 CENTRIFUGAL ROOF UPBLAST	1	P&C WAREHOUSE A156G					
15	117	Kalaeloa	EF-A-3 CENTRIFUGAL ROOF UPBLAST	1	P&C WAREHOUSE A156G					
16	117	Kalaeloa	EF-A-4 CENTRIFUGAL ROOF UPBLAST	1	WAREHOSUE A154					
17	117	Kalaeloa	EF-A-5 CENTRIFUGAL ROOF UPBLAST	1	WAREHOSUE A154					
18	117	Kalaeloa	EF-A-6 CENTRIFUGAL ROOF UPBLAST	1	WAREHOSUE A154					
19	117	Kalaeloa	EF-A-7 CENTRIFUGAL ROOF UPBLAST	1	WAREHOSUE A154					
20	117	Kalaeloa	EF-A-8 CENTRIFUGAL ROOF	1	WOMENS LOCKER A144					
21	117	Kalaeloa	EF-A-9 CENTRIFUGAL ROOF	1	MENS LOCKER A132					
22	117	Kalaeloa	EF-A-10 CENTRIFUGAL IN-LINE	1	ENCLOSURE A154E					
23	117	Kalaeloa	EF-A-10 CENTRIFUGAL IN-LINE	1	ENCLOSURE A154E					
24	117	Kalaeloa	EF-A-12 CENTRIFUGAL ROOF	1	WOMENS LOCKER A144					
25	117	Kalaeloa	EF-A-13 CENTRIFUGAL ROOF	1	BREAK RM A139					
26	117	Kalaeloa	EF-B-1 CENTRIFUGAL ROOF UPBLAST	1	WAREHOUSE/STOR. B100					
27	117	Kalaeloa	EF-B-2 CENTRIFUGAL ROOF UPBLAST	1	WAREHOUSE/STOR. B100					
28	117	Kalaeloa	EF-B-3 CENTRIFUGAL ROOF UPBLAST	1	SHIPPING/RECEIV. B101					

Equipment Item #	Bldg.	Location	Description	Qty.	Building Location	Make	Model	Serial	Filter (Model no, Qty)	Belt (Model No, Qty)
29	117	Kalaeloa	EF-B-4 CENTRIFUGAL ROOF	1	STORAGE H201					
30	117	Kalaeloa	EF-B-5 CENTRIFUGAL ROOF	1	WOMENS LOCKER H210					
31	117	Kalaeloa	EF-B-6 CENTRIFUGAL ROOF	1	MEZZANINE AREA "C"					
32	117	Kalaeloa	EF-B-7 CENTRIFUGAL ROOF	1	WAREHOUSE/STOR B100					
33	117	Kalaeloa	EF-C-1 CENTRIFUGAL ROOF	1	STORAGE C136					
34	117	Kalaeloa	EF-C-2 CENTRIFUGAL ROOF	1	SUPPLY ENCLSR C130A					
35	117	Kalaeloa	EF-C-3 CENTRIFUGAL ROOF	1	WAREHOUSE/STOR B100					
36	117	Kalaeloa	EF-C-4 CENTRIFUGAL ROOF	1	ASEMBLY HALL C126					
37	117	Kalaeloa	EF-C-5 CENTRIFUGAL ROOF	1	MENS TOILET C117					
38	117	Kalaeloa	EF-C-6 CENTRIFUGAL ROOF	1	WOMENS LOCKER C113					
39	117	Kalaeloa	EF-C-7 CENTRIFUGAL ROOF	1	CORRIDOR C138					
40	117	Kalaeloa	EF-C-8 CENTRIFUGAL ROOF	1	CORRIDOR C131					
41	117	Kalaeloa	EF-C-9 CENTRIFUGAL ROOF	1	CORRIDOR C133					
42	117	Kalaeloa	EF-C-10 CENTRIFUGAL ROOF UPBLAST	1	STORAGE C136					
43	117	Kalaeloa	EF-C-14 CENTRIFUGAL ROOF	1	P&C WAREHOUSE A156G					
44	117	Kalaeloa	EF-D-1 UTILITY SET	1	STMP WORKBAY D100					
45	117	Kalaeloa	EF-D-2 UTILITY SET	1	STMP WORKBAY D100					
46	117	Kalaeloa	EF-D-3 UTILITY SET	1	STMP WORKBAY D100					
47	117	Kalaeloa	EF-D-4 UTILITY SET	1	STMP WORKBAY D100					
48	117	Kalaeloa	EF-D-5 CENTRIFUGAL ROOF	1	TOOL STORAGE D109A					
49	117	Kalaeloa	EF-D-6 CENTRIFUGAL ROOF	1	COMP RM D103A					
50	117	Kalaeloa	EF-D-7 CENTRIFUGAL CEILING CABINET	1	ELEC. RM D105A					
51	117	Kalaeloa	EF-D-8 CENTRIFUGAL ROOF	1	CORRIDOR D120					
52	117	Kalaeloa	EF-D-9 CENTRIFUGAL ROOF	1	PARTS STORAGE D110					
53	117	Kalaeloa	EF-D-10 CENTRIFUGAL ROOF	1	MENS TOILET D204					
54	117	Kalaeloa	EF-D-11 CENTRIFUGAL ROOF	1	MENS TOILET D204					
55	117	Kalaeloa	CRAC FCU (A-9)	6	A125/A126	Liebert	MMD60E7C0ELF		20x20x4 (2)	Qty 1
56	117	Kalaeloa	CRAC ACCU (A-9)	6	A125/A126	Liebert	PFHZ067ACYL7			
1	Bldg 117 ("Low Bay")	Kalaeloa	CRACU-F-1 CEILING HUNG WATER COOLED ACU	1	Elec Supply L102					
2	Bldg 117 ("Low Bay")	Kalaeloa	CRACU-F-2 CEILING HUNG WATER COOLED ACU	1	Comm/Elec L103					
3	Bldg 117 ("Low Bay")	Kalaeloa	CRACU-F-3 CEILING HUNG WATER COOLED ACU	1	Comm/Elec L103					
4	Bldg 117 ("Low Bay")	Kalaeloa	CRACU-F-4 CEILING HUNG WATER COOLED ACU	1	Missile Repair L107					
5	Bldg 117 ("Low Bay")	Kalaeloa	CRACU-F-5 CEILING HUNG WATER COOLED ACU	1	Instrument Repair L110					
4	Bldg 117 ("Low Bay")	Kalaeloa	FCU-F-1 LARGE CAPACITY FAN COIL UNIT	1	CORRIDOR L137					
5	Bldg 117 ("Low Bay")	Kalaeloa	AHU-F-2 CENTRAL STATION AIR HANDLING UNIT	1	COMMIELEC L103					
6	Bldg 117 ("Low Bay")	Kalaeloa	AHU-F-3 CENTRAL STATION AIR HANDLING UNIT	1	COMM/ELEC L103					
7	Bldg 117 ("Low Bay")	Kalaeloa	EF-17 CENTRIFUGAL ROOF UPBLAST	1	RAD CALIBR L101					
8	Bldg 117 ("Low Bay")	Kalaeloa	EF-18 CENTRIFUGAL ROOF UPBLAST	1	CORRIDOR L136					
9	Bldg 117 ("Low Bay")	Kalaeloa	EF-19 CENTRIFUGAL ROOF	1	STORAGE					
10	Bldg 117 ("Low Bay")	Kalaeloa	EF-20 CENTRIFUGAL ROOF	1	ELECTR WRKBAY L130					
11	Bldg 117 ("Low Bay")	Kalaeloa	EF-21 CENTRIFUGAL ROOF	1	PARTS STORAGE L134					
12	Bldg 117 ("Low Bay")	Kalaeloa	EF-22 CENTRIFUGAL ROOF	1	BASIC ISSUE L1129					
13	Bldg 117 ("Low Bay")	Kalaeloa	EF-23 CENTRIFUGAL ROOF	1	SUPPLY L127					
14	Bldg 117 ("Low Bay")	Kalaeloa	EF-24 CENTRIFUGAL ROOF	1	SUPPLY L127					
15	Bldg 117 ("Low Bay")	Kalaeloa	EF-25 CENTRIFUGAL ROOF	1	SUPPLY L127					
16	Bldg 117 ("Low Bay")	Kalaeloa	EF-28 CENTRIFUGAL ROOF	1	OPEN SPACE L123					
17	Bldg 117 ("Low Bay")	Kalaeloa	EF-29 CENTRIFUGAL ROOF	1	ARTILLERY MAINT L121					
18	Bldg 117 ("Low Bay")	Kalaeloa	EF-30 CENTRIFUGAL ROOF	1	CANVAS SHOP L120					
19	Bldg 117 ("Low Bay")	Kalaeloa	EF-31 CENTRIFUGAL ROOF	1	CARPENTRY SHOP L119					
20	Bldg 117 ("Low Bay")	Kalaeloa	EF-60 CENTRIFUGAL ROOF	1	AIR COMP L127B					
21	Bldg 117 ("Low Bay")	Kalaeloa	DH (F-1) DEHUMIDIFIER	1	VAULT L109					
22	Bldg 117 ("Low Bay")	Kalaeloa	DRC (F-1) DEHUMIDIFIER REMOTE CONDESER	1	EXT OF REC'G OFFICE L128					
23	Bldg 117 ("Low Bay")	Kalaeloa	FCU-F-4 HORIZONTAL CABINET FAN COIL UNIT	1	MISSILE REPAIR L107					
24	Bldg 117 ("Low Bay")	Kalaeloa	FCU-F-5 HORIZONTAL CABINET FAN COIL UNIT	1	MACHINE SHOP L122					
25	Bldg 117 ("Low Bay")	Kalaeloa	FCU-F-6 HORIZONTAL CABINET FAN COIL UNIT	1	FACILITY MAINT. L111					
26	Bldg 117 ("Low Bay")	Kalaeloa	FCU-F-7 DUCTED FAN COIL UNIT	1	COMM ROOM					
27	Bldg 117 ("Low Bay")	Kalaeloa	FCU-F-8 LARGE CAPACITY FAN COIL UNIT	1	CORRIDOR L136					
28	Bldg 117 ("Low Bay")	Kalaeloa	FCU-F-9 HORIZONTAL CABINET FAN COIL UNIT	1	MACHINE SHOP L122					
1	Bldg 117 ("High Bay")	Kalaeloa	EF-F-1 WALL MOUNTED PROPELLER	1	ELECTRICAL F100					
2	Bldg 117 ("High Bay")	Kalaeloa	EF-F-2 TUBLAR IN-LINE	1	HANGER WORKBAY					
3	Bldg 117 ("High Bay")	Kalaeloa	EF-F-3 TUBLAR IN-LINE	1	HANGER WORKBAY					
4	Bldg 117 ("High Bay")	Kalaeloa	EF-F-4 TUBLAR IN-LINE	1	HANGER WORKBAY					
5	Bldg 117 ("High Bay")	Kalaeloa	EF-F-5 TUBLAR IN-LINE	1	HANGER WORKBAY					
6	Bldg 117 ("High Bay")	Kalaeloa	EF-F-6 TUBLAR IN-LINE	1	HANGER WORKBAY					
7	Bldg 117 ("High Bay")	Kalaeloa	EF-F-7 TUBLAR IN-LINE	1	HANGER WORKBAY					
8	Bldg 117 ("High Bay")	Kalaeloa	EF-F-8 TUBLAR IN-LINE	1	HANGER WORKBAY					
9	Bldg 117 ("High Bay")	Kalaeloa	EF-F-9 TUBLAR IN-LINE	1	HANGER WORKBAY					
10	Bldg 117 ("High Bay")	Kalaeloa	EF-F-10 TUBLAR IN-LINE	1	HANGER WORKBAY					
11	Bldg 117 ("High Bay")	Kalaeloa	EF-F-11 TUBLAR IN-LINE	1	HANGER WORKBAY					
10	Bldg 117 ("High Bay")	Kalaeloa	EF-12 UTILITY SET	1						
11	Bldg 117 ("High Bay")	Kalaeloa	EF-13 UTILITY SET	1						

Equipment Item #	Bldg.	Location	Description	Qty.	Building Location	Make	Model	Serial	Filter (Model no, Qty)	Belt (Model No, Qty)
1	117B (Ext Work Bay)	Kalaeloa	ACCU-F-3 INVERTER AIR COOLED CONDENSING UNIT	1						
2	117B (Ext Work Bay)	Kalaeloa	ACCU-F-4 INVERTER AIR COOLED CONDENSING UNIT	1						
3	117B (Ext Work Bay)	Kalaeloa	FCU-F-13 DUCTED FAN COIL UNIT	1	CONTROL ROOM, E121					
5	117B (Ext Work Bay)	Kalaeloa	FCU-F-14 DUCTED FAN COIL UNIT	1	BREAKROOM, E111					
4	117B (Ext Work Bay)	Kalaeloa	FCU-F-15 DUCTED FAN COIL UNIT	1	AUTO SUPR, E112,					
6	117B (Ext Work Bay)	Kalaeloa	FCU-F-16 DUCTED FAN COIL UNIT	1	COMM ROOM, E116,					
7	117B (Ext Work Bay)	Kalaeloa	FCU-F-17 DUCTED FAN COIL UNIT	1	FUEL IGNITION E114					
8	117B (Ext Work Bay)	Kalaeloa	FCU-F-18 DUCTED FAN COIL UNIT	1	INJECTOR TEST E109					
9	117B (Ext Work Bay)	Kalaeloa	FCU-F-19 DUCTED FAN COIL UNIT	1	TRANS/POWER PACK E124					
10	117B (Ext Work Bay)	Kalaeloa	FCU-F-20 DUCTED FAN COIL UNIT	1	ENGINE DYNO E122					
11	117B (Ext Work Bay)	Kalaeloa	FCU-F-21 DUCTED FAN COIL UNIT	1	POP VALUE TEST RM E119					
12	117B (Ext Work Bay)	Kalaeloa	EF-34 INDUSTRIAL B.I UTILTY SET	1	WORKBAY E102					
13	117B (Ext Work Bay)	Kalaeloa	EF-35 INDUSTRIAL B.I UTILTY SET	1	WORKBAY E102					
14	117B (Ext Work Bay)	Kalaeloa	EF-36 INDUSTRIAL B.I UTILTY SET	1	WORKBAY E102					
15	117B (Ext Work Bay)	Kalaeloa	EF-37 INDUSTRIAL B.I UTILTY SET	1	WORKBAY E102					
16	117B (Ext Work Bay)	Kalaeloa	EF-38 CENTRIFUGAL ROOF	1	WORKBAY E102					
17	117B (Ext Work Bay)	Kalaeloa	EF-39 CENTRIFUGAL ROOF	1	WORKBAY E102					
18	117B (Ext Work Bay)	Kalaeloa	EF-41 CENTRIFUGAL ROOF UPBLAST	1	FUEL IGNITION E114					
19	117B (Ext Work Bay)	Kalaeloa	EF-41A INDUSTRIAL B.I UTILTY SET	1	INJECT TEST E109					
20	117B (Ext Work Bay)	Kalaeloa	EF-42A CENTRIFUGAL ROOF	1	AIR COMP E113					
21	117B (Ext Work Bay)	Kalaeloa	EF-42B CENTRIFUGAL ROOF	1	AIR COMP E113					
22	117B (Ext Work Bay)	Kalaeloa	F-43 CENTRIFUGAL ROOF	1						
23	117B (Ext Work Bay)	Kalaeloa	EF-44 CENTRIFUGAL ROOF	1	TIRE/ALIGN E117					
24	117B (Ext Work Bay)	Kalaeloa	EF-45 INDUSTRIAL B.I UTILTY SET	1	TIRE/ALIGN E117					
25	117B (Ext Work Bay)	Kalaeloa	EF-46 INDUSTRIAL B.I UTILTY SET	1	TRANS PWRPACK E124					
26	117B (Ext Work Bay)	Kalaeloa	EF-47 PROPELLER UPBLAST TUBE AXIAL	1	ENGINE DYNOMTR E122					
27	117B (Ext Work Bay)	Kalaeloa	EF-48 CENTRIFUGAL ROOF	1	ELEC RM E120					
28	117B (Ext Work Bay)	Kalaeloa	EF-49 INDUSTRIAL B.I UTILTY SET	1	WELDING SHOP E125					
29	117B (Ext Work Bay)	Kalaeloa	EF-50 INDUSTRIAL B.I UTILTY SET	1	WELDING SHOP E125					
30	117B (Ext Work Bay)	Kalaeloa	EF-51 CENTRIFUGAL ROOF	1	WELDING SHOP E125					
31	117B (Ext Work Bay)	Kalaeloa	EF-52 CENTRIFUGAL ROOF	1	BODY SHOP E126					
32	117B (Ext Work Bay)	Kalaeloa	EF-53 PROPELLER UPBLAST TUBE AXIAL	1	WASH/STRIP E127					
33	117B (Ext Work Bay)	Kalaeloa	EF-54 CENTRIFUGAL ROOF UPBLAST	1	PAINT KITCHEN E127					
34	117B (Ext Work Bay)	Kalaeloa	EF-55A CENTRIFUGAL ROOF	1	MECH RM E128					
35	117B (Ext Work Bay)	Kalaeloa	EF-55B CENTRIFUGAL ROOF	1	MECH RM E128					
36	117B (Ext Work Bay)	Kalaeloa	EF-57 CENTRIFUGAL ROOF	1	PAINT SHOP E132					
37	117B (Ext Work Bay)	Kalaeloa	EF-58 CENTRIFUGAL ROOF	1	PREP SHOP E133					
38	117B (Ext Work Bay)	Kalaeloa	EF-59 CENTRIFUGAL ROOF	1	UNDERCOATING E134					
39	117B (Ext Work Bay)	Kalaeloa	EF-61 CENTRIFUGAL ROOF	1	DYNO EQUIP E123					
40	117B (Ext Work Bay)	Kalaeloa	EF-62 PROPELLER UPBLAST TUBE AXIAL	1	PAINT SHOP E132					
41	117B (Ext Work Bay)	Kalaeloa	EF-63 PROPELLER UPBLAST TUBE AXIAL	1	UNDERCOATING E134					
42	117B (Ext Work Bay)	Kalaeloa	EF-66 INDUSTRIAL B.I UTILTY SET	1	ADDED WORKBAY					
43	117B (Ext Work Bay)	Kalaeloa	EF-67 INDUSTRIAL B.I UTILTY SET	1	ADDED WORKBAY					
44	117B (Ext Work Bay)	Kalaeloa	EF-68 CENTRIFUGAL ROOF	1	ADDED WORKBAY					
45	117B (Ext Work Bay)	Kalaeloa	EF-69 WALL MOUNTED PROPELLER	1	PV ROOM					
1	663 (Admin Bldg)	Kalaeloa	EF-33 WOMENS TOILET	1	2nd Floor					
2	663 (Admin Bldg)	Kalaeloa	AHU-F-12 CENTRAL STATION AIR HANDLING UNIT	1	2nd Floor LOFT F204					
3	663 (Admin Bldg)	Kalaeloa	EF-64 WALL MOUNTED PROPELLER	1	2nd Floor JANITOR CLOSET 105					
4	663 (Admin Bldg)	Kalaeloa	FCU-F-10 HORIZONTAL CABINET FAN COIL UNIT	1	1st Floor STORAGE F107					
5	663 (Admin Bldg)	Kalaeloa	AHU-F-11 CENTRAL STATION AIR HANDLING UNIT	1	1st Floor STORAGE F107					
6	663 (Admin Bldg)	Kalaeloa	ACCU-F2 INVERTER AIR COOLED CONDENSING UNIT	1						
7	663 (Admin Bldg)	Kalaeloa	FCU-F-22 DUCTED FAN COIL UNIT	1	COMM RM					
1	282	Kalaeloa	Ductless DX FCU (2-1E, 2-1F, 2-1N, 2-5E)	4		Mitsubishi	P08NBMU-E		No filters	
2	282	Kalaeloa	Ductless DX FCU (2-1K, 2-1M)	2		Mitsubishi	P12NHMU-E			
3	282	Kalaeloa	Ductless DX FCU (2-5D, 2-5H)	2		Mitsubishi	P15NHMU-E			
4	282	Kalaeloa	Ductless DX FCU (2-1A, 2-1D, 2-4F, 2-5C, 2-5G, 2-5J)	6		Mitsubishi	P18NHMU-E			
5	282	Kalaeloa	Ductless DX FCU (1-3)	1		Mitsubishi	PKA-A18HA4			
6	282	Kalaeloa	Ductless DX FCU (2-1C, 2-1H, 2-2A, 2-2B, 2-2C, 2-2D, 2-3A, 2-3C, 2-3D, 2-4A, 2-4D, 2-4E, 2-4H, 2-4J, 2-5A)	16		Mitsubishi	P24NKMU-E			
7	282	Kalaeloa	Ductless DX FCU (1-1, 1-2,1-4)	3		Mitsubishi	PKA-A24KA4			
8	282	Kalaeloa	Ductless DX FCU (2-1B, 2-1G, 2-1L, 2-3B, 2-4C, 2-4G, 2-5B, 2-5K, 2-5L)	9		Mitsubishi	P30NKMU-E			
9	282	Kalaeloa	Ductless DX FCU	20						
10	282	Kalaeloa	ACCU 24,000 Btuh (1-1)	1		Mitsubishi	PUY-A24NHA4-BS			
11	282	Kalaeloa	ACCU 24,000 Btuh (1-2)	1		Mitsubishi	PUY-A24NHA4-BS			
12	282	Kalaeloa	ACCU 18,000 Btuh (1-3)	1		Mitsubishi	PUY-A18NHA4-BS			
13	282	Kalaeloa	ACCU 24,000 Btuh (1-4)	1		Mitsubishi	PUY-A24NHA4-BS			
14	282	Kalaeloa	ACCU 216,000 Btuh (2-1)	1		Mitsubishi	PUHY-P216TSJMU-A-BS			
15	282	Kalaeloa	ACCU 96,000 Btuh (2-2)	1		Mitsubishi	PUHY-P96TJMU-A-BS			
16	282	Kalaeloa	ACCU 96,000 Btuh (2-3)	1		Mitsubishi	PUHY-P96TJMU-A-BS			
17	282	Kalaeloa	ACCU 216,000 Btuh (2-4)	1		Mitsubishi	PUHY-P216TSJMU-A-BS			
18	282	Kalaeloa	ACCU 192,000 Btuh (2-5)	1		Mitsubishi	PUHY-P192TSJMU-A-BS			

Equipment Item #	Bldg.	Location	Description	Qty.	Building Location	Make	Model	Serial	Filter (Model no, Qty)	Belt (Model No, Qty)
19	282	Kalaeloa	AC Condensate Pump	14		Little Giant	VCMA-20			
20	282	Kalaeloa	AHU (1)	1	In Mech Rm 2015 - feeds Locker Room					
21	282	Kalaeloa	Supply Air Fans							
22	282	Kalaeloa	Exhaust Fans							
1	134	Kalaeloa	AHU-1	1		Carrier	40RM016B611ED	1101F20585	16x20x2 Qty 4 16x24x2 Qty 4	1 EA belt
2	134	Kalaeloa	ACCU-1	1		Carrier	38 AKS016-521			
3	134	Kalaeloa	Ductless Wall mounted FCU-1	1		Carrier	40QNB012			
4	134	Kalaeloa	Horizontal Discharge Outdoor Unit ACCU-2	1		Carrier	38AN012			
1	29 (Readiness Center)	Kalaeloa	Air Cooled package water chiller (CH 1)	1		Carrier	30RBD06065-RCQ3K	2813Q79294		
2	29 (Readiness Center)	Kalaeloa	Air Cooled package water chiller (CH 2)	1		Carrier	30RBD06065-RCQ3K	2813Q79307		
3	29 (Readiness Center)	Kalaeloa	Water to water heat pump (WHP 1)	1	MECH RM 2090	Johnson Controls	RWXW360R4PF3NNSB			
4	29 (Readiness Center)	Kalaeloa	Chilled water AHU (AHU 1)	1	1ST FLOOR	Carrier	39MN-21			
5	29 (Readiness Center)	Kalaeloa	Chilled water AHU (AHU 2)	1	2ND FLOOR	Carrier	39MN-17			
6	29 (Readiness Center)	Kalaeloa	Chilled water AHU (AHU 3)	1	LECTURE HALL	Carrier	39MN-08			
7	29 (Readiness Center)	Kalaeloa	Chilled water AHU (AHU 4)	1	ASSEMBLY HALL	Carrier	39MN-12			
8	29 (Readiness Center)	Kalaeloa	Chilled Water Pump (P1)	1	MECH RM 2090	B&G	2-1/2BB SERIES 1510			
9	29 (Readiness Center)	Kalaeloa	Chilled Water Pump (P2)	1	MECH RM 2090	B&G	2-1/2BB SERIES 1510			
10	29 (Readiness Center)	Kalaeloa	Chilled Water Pump (P3)	1	MECH RM 1100	B&G	2E SERIES 1510			
11	29 (Readiness Center)	Kalaeloa	Chilled Water Pump (P4)	1	MECH RM 1100	B&G	2E SERIES 1510			
12	29 (Readiness Center)	Kalaeloa	Chilled Water Pump (P5)	1	MECH RM 2090	B&G	2 1/2 X 2 1/2 X 7 SERIES 80			
13	29 (Readiness Center)	Kalaeloa	Chilled Water Pump (P6)	1	MECH RM 2090	B&G	2 1/2 X 2 1/2 X 7 SERIES 80			
14	29 (Readiness Center)	Kalaeloa	Ductless Split FCU (ACU1)	1	COMM#1 - 1110	Friedrich	MW18C3F			
15	29 (Readiness Center)	Kalaeloa	Ductless Split ACCU (ACCU1)	1	1st FLR ROOF	Friedrich	MW18C3F			
16	29 (Readiness Center)	Kalaeloa	Ductless Split FCU (ACU2)	1	COMM#2 - 1230	Friedrich	MW09C1H			
17	29 (Readiness Center)	Kalaeloa	Ductless Split ACCU (ACCU2)	1	1st FLR ROOF	Friedrich	MW09C1H			
18	29 (Readiness Center)	Kalaeloa	Ductless Split FCU (ACU3)	1	COMM#3 - 2110	Friedrich	MW09C1H			
19	29 (Readiness Center)	Kalaeloa	Ductless Split ACCU (ACCU3)	1	1st FLR ROOF	Friedrich	MW09C1H			
20	29 (Readiness Center)	Kalaeloa	Ductless Split FCU (ACU4)	1	COMM#4 - 2190	Friedrich	MW09C1H			
21	29 (Readiness Center)	Kalaeloa	Ductless Split ACCU (ACCU4)	1	1st FLR ROOF	Friedrich	MW09C1H			
22	29 (Readiness Center)	Kalaeloa	Ductless Split FCU (ACU5)	1	ELEV RM 1160	Friedrich	MW09C1H			
23	29 (Readiness Center)	Kalaeloa	Ductless Split ACCU (ACCU5)	1	1st FLR ROOF	Friedrich	MW09C1H			
24	29 (Readiness Center)	Kalaeloa	Dehumidifer (DH1)	1	VAULT 1201	Comfort Air	BHD-301G			
25	29 (Readiness Center)	Kalaeloa	Dehumidifer (DH2)	1	VAULT 1202	Comfort Air	BHD-301G			
26	29 (Readiness Center)	Kalaeloa	Exhaust Fan (EF1)	1	ATTIC	Cook	135SQN-B			
27	29 (Readiness Center)	Kalaeloa	Exhaust Fan (EF2)	1	MECH RM 2090	Cook	120SQN-B			
28	29 (Readiness Center)	Kalaeloa	Exhaust Fan (EF3)	1	MECH RM 2090	Cook	180SQN-B			
29	29 (Readiness Center)	Kalaeloa	Exhaust Fan (EF4)	1	ATTIC	Cook	135SQN-B			
30	29 (Readiness Center)	Kalaeloa	Exhaust Fan (EF5)	1	ROOF	Cook	270VX11B			
31	29 (Readiness Center)	Kalaeloa	Exhaust Fan (EF6)	1	ROOF	Cook	195VX7B			
32	29 (Readiness Center)	Kalaeloa	Exhaust Fan (EF7)	1	SCULLERY 1243	Cook	165SQN-B			
33	29 (Readiness Center)	Kalaeloa	Exhaust Fan (EF8)	1	STORAGE 1248	Cook	60SQN-B			
34	29 (Readiness Center)	Kalaeloa	Exhaust Fan (EF9)	1	MECH RM 2090	Cook	120SQN-B			
35	29 (Readiness Center)	Kalaeloa	Exhaust Fan (EF10)	1	LOCKER RM 1210	Cook	24XMWH			
36	29 (Readiness Center)	Kalaeloa	Exhaust Fan (EF11)	1	STOR RM 1200	Cook	24XMWH			
37	29 (Readiness Center)	Kalaeloa	Exhaust Fan (EF12)	1	ATTIC	Cook	225SQ2N-B			
38	29 (Readiness Center)	Kalaeloa	Exhaust Fan (EF13)	1	TABLE & CHAIR 1251	Cook	20XLW			
39	29 (Readiness Center)	Kalaeloa	Supply Fan (SF1)	1	STORAGE 1251	Cook	200KSP-B			
1	1903	Kalaeloa	Ductless Mini Split	7		Mitsubishi				
1	175	Kalaeloa	FCU1 28,000 Btuh	1	Storage	LG				
2	175	Kalaeloa	FCU2 28,000 Btuh	1	Office	LG				
3	175	Kalaeloa	FCU3	1	Multi purpose	LG				
4	175	Kalaeloa	FCU4	1	Secure Distribution	LG				
5	175	Kalaeloa	FCU5	1	Receiving	LG				
6	175	Kalaeloa	FCU6	1	Open Distribution	LG				
7	175	Kalaeloa	ACCU1	1		LG	ARUN192BT2			
7	175	Kalaeloa	Exhaust Fan (EF-1)	1		Cook	GN-184			
8	175	Kalaeloa	Exhaust Fan (EF-2)	1		Cook	GN-184			
1	RTSM	Waiawa, Pearl City	Package Unit (PAC-1)	1	Computer Lab 1	Carrier			Qty 1	NA
2	RTSM	Waiawa, Pearl City	Package Unit (PAC-2)	1	Computer Lab 2	Carrier			Qty 1	NA
3	RTSM	Waiawa, Pearl City	Fan Coil Unit (FCU-1)	1					Qty 4	Qty 1
4	RTSM	Waiawa, Pearl City	Air Cooled Condensing Unit (ACCU-1)	1	Oustide (Near Parts Storage Office)					
5	RTSM	Waiawa, Pearl City	Fan Coil Unit (FCU-2)	1	Breakroom				Qty 4	Qty 1
6	RTSM	Waiawa, Pearl City	Air Cooled Condensing Unit (ACCU-2)	1	Oustide (Near Computer Lab 2)					
7	RTSM	Waiawa, Pearl City	Fan Coil Unit (FCU-3)	1	Classroom 3				Qty 4	Qty 1

Equipment Item #	Bldg.	Location	Description	Qty.	Building Location	Make	Model	Serial	Filter (Model no, Qty)	Belt (Model No, Qty)
8	RTSM	Waiawa, Pearl City	Air Cooled Condensing Unit (ACCU-3)	1	Oustide (Near Computer Lab 2)					
9	RTSM	Waiawa, Pearl City	Exhaust Fan (Roof Mounted)	4					N/A	Qty 4
1	Band Building (B002)	Waiawa, Pearl City	Package Unit	1		Trane	TCH120B300BB	J3914332BD	Qty 4	Qty 1
2	Band Building (B002)	Waiawa, Pearl City	Package Unit	1		Trane	ITCH060C300BB	J19142406D	Qty 2	Qty 1
3	Band Building (B002)	Waiawa, Pearl City	Package Unit	1		Trane	TCH090D300BA	HS4142858D	Qty 2	Qty 1
4	Band Building (B002)	Waiawa, Pearl City	Package Unit	1		Trane	TCH160B300CA	J071430B3D	Qty 2	Qty 1
5	Band Building (B002)	Waiawa, Pearl City	Package Unit	1		Trane	TCH	J11142284D	Qty 8	Qty 1
6	Band Building (B002)	Waiawa, Pearl City	Package Unit	1		Trane	TCH060C300BA	J05142944D	Qty 6	Qty 1
7	Band Building (B002)	Waiawa, Pearl City	Package Unit	1		Trane	TCH050C300BB	J18143316D	Qty 4	Qty 1
8	Band Building (B002)	Waiawa, Pearl City	Supply Fan	1					N/A	Qty 1
9	Band Building (B002)	Waiawa, Pearl City	Exhaust Fan (Roof Mounted)	9					N/A	Qty 9
1	103rd Troop Comm(B001)	Waiawa, Pearl City	FCU (132-1)	1						
2	103rd Troop Comm(B001)	Waiawa, Pearl City	ACCU (132-1)	1						
3	103rd Troop Comm(B001)	Waiawa, Pearl City	FCU (132-2)	1						
4	103rd Troop Comm(B001)	Waiawa, Pearl City	ACCU (132-2)	1						
5	103rd Troop Comm(B001)	Waiawa, Pearl City	FCU (128)	1						
6	103rd Troop Comm(B001)	Waiawa, Pearl City	ACCU (128)	1						
7	103rd Troop Comm(B001)	Waiawa, Pearl City	FCU (122)	1						
8	103rd Troop Comm(B001)	Waiawa, Pearl City	ACCU (122)	1						
9	103rd Troop Comm(B001)	Waiawa, Pearl City	ACCU (113)	1						
10	103rd Troop Comm(B001)	Waiawa, Pearl City	FCU (113-1)	1						
11	103rd Troop Comm(B001)	Waiawa, Pearl City	FCU (113-2)	1						
12	103rd Troop Comm(B001)	Waiawa, Pearl City	FCU (114)	1						
13	103rd Troop Comm(B001)	Waiawa, Pearl City	ACCU (114)	1						
14	103rd Troop Comm(B001)	Waiawa, Pearl City	ACCU (192)	1						
15	103rd Troop Comm(B001)	Waiawa, Pearl City	FCU (192-1)	1						
16	103rd Troop Comm(B001)	Waiawa, Pearl City	FCU (192-2)	1						
17	103rd Troop Comm(B001)	Waiawa, Pearl City	FCU (192-3)	1						
18	103rd Troop Comm(B001)	Waiawa, Pearl City	FCU (192-4)	1						
19	103rd Troop Comm(B001)	Waiawa, Pearl City	FCU (192-5)	1						
20	103rd Troop Comm(B001)	Waiawa, Pearl City	FCU (192-6)	1						
21	103rd Troop Comm(B001)	Waiawa, Pearl City	FCU (192-7)	1						
22	103rd Troop Comm(B001)	Waiawa, Pearl City	FCU (192-8)	1						
23	103rd Troop Comm(B001)	Waiawa, Pearl City	FCU (192-9)	1						
24	103rd Troop Comm(B001)	Waiawa, Pearl City	FCU (192-10)	1						
25	103rd Troop Comm(B001)	Waiawa, Pearl City	FCU (192-11)	1						
26	103rd Troop Comm(B001)	Waiawa, Pearl City	FCU (192-12)	1						
27	103rd Troop Comm(B001)	Waiawa, Pearl City	ACCU (120)	1						
28	103rd Troop Comm(B001)	Waiawa, Pearl City	FCU (120-1)	1						
29	103rd Troop Comm(B001)	Waiawa, Pearl City	FCU (120-2)	1						
30	103rd Troop Comm(B001)	Waiawa, Pearl City	FCU (120-3)	1						
31	103rd Troop Comm(B001)	Waiawa, Pearl City	FCU (120-4)	1						
32	103rd Troop Comm(B001)	Waiawa, Pearl City	FCU (120-5)	1						
33	103rd Troop Comm(B001)	Waiawa, Pearl City	FCU (120-6)	1						
34	103rd Troop Comm(B001)	Waiawa, Pearl City	Dehumidifier	1	Vault Rm No 126					
35	103rd Troop Comm(B001)	Waiawa, Pearl City	Supply Fan (SF1)	1						
36	103rd Troop Comm(B001)	Waiawa, Pearl City	Supply Fan (SF2)	1						
37	103rd Troop Comm(B001)	Waiawa, Pearl City	Supply Fan (SF3)	1						
38	103rd Troop Comm(B001)	Waiawa, Pearl City	Supply Fan (SF4)	1						
1	UTES (Building 21)	Waiawa, Pearl City	AC #1	1						
2	UTES (Building 21)	Waiawa, Pearl City	AC #2	1						
3	UTES (Building 21)	Waiawa, Pearl City	Exhaust Fan #1	1						
1	829, AASF #1	Wheeler AAF	Chiller	1		Climatrol	LLS035001-001	BJ100214		
2	829, AASF #1	Wheeler AAF	Remote Condenser	1		AH WITT	CDD-334	55666		
3	829, AASF #1	Wheeler AAF	CHWP	2			N/A	N/A		
4	829, AASF #1	Wheeler AAF	AHU#1	1		Lanco			Qty 1	Qty 1
5	829, AASF #1	Wheeler AAF	AHU#2	1					Qty 1	Qty 1
6	829, AASF #1	Wheeler AAF	AHU#3	1					Qty 1	Qty 1
7	829, AASF #1	Wheeler AAF	AHU#4	1					Qty 1	Qty 1
8	829, AASF #1	Wheeler AAF	AHU#5	1					Qty 1	Qty 1
9	829, AASF #1	Wheeler AAF	AHU#6	1					Qty 1	Qty 1
10	829, AASF #1	Wheeler AAF	AHU#7	1					Qty 1	Qty 1
11	829, AASF #1	Wheeler AAF	AHU#8	1					Qty 1	Qty 1
12	829, AASF #1	Wheeler AAF	AHU#9	1					Qty 1	Qty 1
13	829, AASF #1	Wheeler AAF	AHU#10	1					Qty 1	Qty 1
14	829, AASF #1	Wheeler AAF	AHU#11	1					Qty 1	Qty 1
15	829, AASF #1	Wheeler AAF	Mini Split	4		Mitsubishi, Fujitsu			Washable	
16	829, AASF #1	Wheeler AAF	Fan Coil Unit	6		Lanco			Qty 1	DD

Equipment Item #	Bldg.	Location	Description	Qty.	Building Location	Make	Model	Serial	Filter (Model no, Qty)	Belt (Model No, Qty)
1	832	Wheeler AAF	Package Unit	1		Carrier	50BB028607	N395270	Qty 1	DD
2	832	Wheeler AAF	Split A/C	1		Carrier				
3	832	Wheeler AAF	FCU	1		Fujitsu				
4	832	Wheeler AAF	ACCU	1		Fujitsu				
5	832	Wheeler AAF	FCU	1		Fujitsu				
6	832	Wheeler AAF	ACCU	1		Fujitsu				
7	832	Wheeler AAF	FCU	1		Fujitsu				
8	832	Wheeler AAF	ACCU	1		Fujitsu				
9	832	Wheeler AAF	Mini Split	3		Fujitsu			Washable	DD
10	832	Wheeler AAF	Split	1		Trane			Washable	N/A
1	825, OSA Det 55	Wheeler AAF	AHU	1		Trane			Qty 4	Qty 1
2	825, OSA Det 55	Wheeler AAF	ACCU	1		Trane	TTA120B			
1	Wahiawa Armory	Wahiawa	VRF System Heat Pump (HP1)	1	Outdoor	Mitsubishi	PUHY-P-72T KMU-A-BS			
2	Wahiawa Armory	Wahiawa	VRF System Heat Pump (HP1)	1	Outdoor	Mitsubishi	PUHY-P-120T KMU-A-BS			
3	Wahiawa Armory	Wahiawa	VRF System Heat Pump (HP2)	1	Outdoor	Mitsubishi	PUHY-P-144T KMU-A-BS			
4	Wahiawa Armory	Wahiawa	VRF System Heat Pump (HP3)	1	Outdoor	Mitsubishi	PUHY-P-72T KMU-A-BS			
5	Wahiawa Armory	Wahiawa	VRF System Heat Pump (HP3)	1	Outdoor	Mitsubishi	PUHY-P-96T KMU-A-BS			
6	Wahiawa Armory	Wahiawa	VRF System Heat Pump (HP4)	1	Outdoor	Mitsubishi	PUHY-P-72T KMU-A-BS			
7	Wahiawa Armory	Wahiawa	VRF System Heat Pump (HP4)	1	Outdoor	Mitsubishi	PUHY-P-120T KMU-A-BS			
8	Wahiawa Armory	Wahiawa	VRF System Heat Pump (HP5)	1	Outdoor	Mitsubishi	PUHY-P-72T KMU-A-BS			
9	Wahiawa Armory	Wahiawa	VRF System Heat Pump (HP5)	1	Outdoor	Mitsubishi	PUHY-P-96T KMU-A-BS			
10	Wahiawa Armory	Wahiawa	VRF System Heat Pump (HP6)	1	Outdoor	Mitsubishi	PUHY-P-144T KMU-A-BS			
11	Wahiawa Armory	Wahiawa	Fan Coil Unit (FC8A)	15		Mitsubishi	PLFY-P08NCMU-E			
12	Wahiawa Armory	Wahiawa	Fan Coil Unit (FC12A)	14		Mitsubishi	PLFY-P12NCMU-E			
13	Wahiawa Armory	Wahiawa	Fan Coil Unit (FC15A)	7		Mitsubishi	PLFY-P15NCMU-E			
14	Wahiawa Armory	Wahiawa	Fan Coil Unit (FC12B)	1		Mitsubishi	PLFY-P12NBMU-E			
15	Wahiawa Armory	Wahiawa	Fan Coil Unit (FC15B)	7		Mitsubishi	PLFY-P15NBMU-E			
16	Wahiawa Armory	Wahiawa	Fan Coil Unit (FC18B)	3		Mitsubishi	PLFY-P18NBMU-E			
17	Wahiawa Armory	Wahiawa	Fan Coil Unit (FC24B)	1		Mitsubishi	PLFY-P24NBMU-E			
18	Wahiawa Armory	Wahiawa	Fan Coil Unit (FC30B)	1		Mitsubishi	PLFY-P30NBMU-E			
19	Wahiawa Armory	Wahiawa	Fan Coil Unit (FC36B)	4		Mitsubishi	PLFY-P36NBMU-E			
20	Wahiawa Armory	Wahiawa	Fan Coil Unit (FC6C)	22		Mitsubishi	PLFY-P06NBMU-E			
21	Wahiawa Armory	Wahiawa	Fan Coil Unit (FC8C)	1		Mitsubishi	PLFY-P08NBMU-E			
22	Wahiawa Armory	Wahiawa	Fan Coil Unit (FC12C)	1		Mitsubishi	PLFY-P12NBMU-E			
23	Wahiawa Armory	Wahiawa	Fan Coil Unit (FC15C)	1		Mitsubishi	PLFY-P15NBMU-E			
24	Wahiawa Armory	Wahiawa	Fan Coil Unit (FC6D)	1		Mitsubishi	PLFY-P06NBMU-E			
25	Wahiawa Armory	Wahiawa	Supply Fan (SF-1A)	1	Rm 104A	Fantech	FR-140			
26	Wahiawa Armory	Wahiawa	Supply Fan (SF-3A)	1	Rm 117	Fantech	FR-200			
27	Wahiawa Armory	Wahiawa	Supply Fan (SF-3B)	1	Rm 133	Fantech	FR-250			
28	Wahiawa Armory	Wahiawa	Supply Fan (SF-6A)	1	Rm 141	Fantech	FR-225			
29	Wahiawa Armory	Wahiawa	Supply Fan (SF-6B)	1	Rm 156	Fantech	FR-125			
30	Wahiawa Armory	Wahiawa	Supply Fan (SF-6C)	1	Rm 156	Fantech	FR-150			
1	Classrooms Bldg 710	RTI Bellows AFS, Waimanalo	ACCU-2	1		Trane			Qty 24	Qty 2
2	Classrooms Bldg 710	RTI Bellows AFS, Waimanalo	AHU-2	1						
3	Classrooms Bldg 710	RTI Bellows AFS, Waimanalo	ACCU-3	1		LG				
4	Classrooms Bldg 710	RTI Bellows AFS, Waimanalo	FCU3	2						
5	Classrooms Bldg 710	RTI Bellows AFS, Waimanalo	ACCU4	1		LG				
6	Classrooms Bldg 710	RTI Bellows AFS, Waimanalo	FCU4	2						
7	Classrooms Bldg 710	RTI Bellows AFS, Waimanalo	VFD	1						
1	Administrative Bldg 711	RTI Bellows AFS, Waimanalo	ACCU-1	1		Trane				
2	Administrative Bldg 711	RTI Bellows AFS, Waimanalo	AHU-1	1		Trane			Qty 16	Qty 2
3	Administrative Bldg 711	RTI Bellows AFS, Waimanalo	VFD	1						
1	Dining Facility Bldg 712	RTI Bellows AFS, Waimanalo	ACCU-3	1		Trane				
2	Dining Facility Bldg 712	RTI Bellows AFS, Waimanalo	AHU-3	1		Trane			Qty 16	Qty 2
3	Dining Facility Bldg 712	RTI Bellows AFS, Waimanalo	VFD	1						
1	Auditorium Bldg. 713	RTI Bellows AFS, Waimanalo	ACCU-2	1		Trane				
2	Auditorium Bldg. 713	RTI Bellows AFS, Waimanalo	AHU-2	1		Trane			Qty 20	Qty 2
3	Auditorium Bldg. 713	RTI Bellows AFS, Waimanalo	VFD	1						
1	Army Lodging #1 Bldg 714	RTI Bellows AFS, Waimanalo	ACCU-1	2	Outside	Carrier		3201F03411		
2	Army Lodging #1 Bldg 714	RTI Bellows AFS, Waimanalo	AHU-1B	1	Billet #1 (Ground Floor)	Trane			Qty 12	Qty 2
3	Army Lodging #1 Bldg 714	RTI Bellows AFS, Waimanalo	AHU-1D	1	Billet #1 (2nd Floor)	Trane				
4	Army Lodging #1 Bldg 714	RTI Bellows AFS, Waimanalo	VFD							
1	Physical Fitness/Office Bldg 715	RTI Bellows AFS, Waimanalo	ACCU-4	1		Trane				
2	Physical Fitness/Office Bldg 715	RTI Bellows AFS, Waimanalo	ACCU-5	1						
3	Physical Fitness/Office Bldg 715	RTI Bellows AFS, Waimanalo	FCU-1	1	Billet Physical Fitness (134)					
4	Physical Fitness/Office Bldg 715	RTI Bellows AFS, Waimanalo	FCU-2	1	Billet Office (140)					

Equipment Item #	Bldg.	Location	Description	Qty.	Building Location	Make	Model	Serial	Filter (Model no, Qty)	Belt (Model No, Qty)
5	Physical Fitness/Office Bldg 715	RTI Bellows AFS, Waimanalo	Mini Split	1		Fujitsu			N/A	DD
1	Army Lodging #2 Bldg 716	RTI Bellows AFS, Waimanalo	ACCU-1	2	Outside	Carrier		3201F03394		
2	Army Lodging #2 Bldg 716	RTI Bellows AFS, Waimanalo	AHU-1A	1	Billet #2 (Ground Floor)	Trane	MCCA017UBA00000U		Qty 12	Qty 2
3	Army Lodging #2 Bldg 716	RTI Bellows AFS, Waimanalo	AHU-1C	1	Billet #2 (2nd Floor)	Trane			Qty 12	Qty 2
4	Army Lodging #2 Bldg 716	RTI Bellows AFS, Waimanalo	VFD							
1	300	Diamond Head, Fort Ruger	Split-System FCU-1	1	Rm. 4	Carrier	40QNB018300	1798Y50793	Washable	D/D
2	300	Diamond Head, Fort Ruger	Split-System ACCU-1	1	Outside	Carrier	38HDC018341	1200DX85337		D/D
3	300	Diamond Head, Fort Ruger	Split-System FCU-2 (24,200 BTUH)	1	Rm 3	Fujitsu	ASU24CL1	GDA 025807		
4	300	Diamond Head, Fort Ruger	Split-System ACCU-2	1	Outside	Fujitsu	AOU24CL1	GDN 026077		
5	300	Diamond Head, Fort Ruger	Split-System FCU-3	1	Rm 5	Carrier	40QNB009100	15199Y41049	Washable	D/D
6	300	Diamond Head, Fort Ruger	Split-System ACCU-3	1	Outside	Carrier	38HX1009100	0899Y10010		D/D
7	300	Diamond Head, Fort Ruger	Split-System FCU-4	1	Rm. 8	Carrier	40QNB018310	1798Y50796	Washable	D/D
8	300	Diamond Head, Fort Ruger	Split-System ACCU-4	1	Outside	Carrier	38HDC018341	1200X85340		D/D
9	300	Diamond Head, Fort Ruger	Split-System FCU-5	1	Rm. 9A	Carrier	40QNB009100	1599Y41044	Washable	D/D
10	300	Diamond Head, Fort Ruger	Split-System ACCU-5	1	Outside	Carrier	38HN009100	0899Y10015		D/D
11	300	Diamond Head, Fort Ruger	Split-System FCU-6	1	Rm. 9B	Carrier	40QNB024300	0499Y50200	Washable	D/D
12	300	Diamond Head, Fort Ruger	Split-System ACCU-6	1	Outside	Carrier	38HDC02431	0200XB1318		D/D
13	300	Diamond Head, Fort Ruger	Split-System FCU-7	1	Rm. 10	Carrier	40QNB009100	1599Y41057	Washable	D/D
14	300	Diamond Head, Fort Ruger	Split-System ACCU-7	1	Outside	Carrier	38HN009100	0899Y10038		D/D
15	300	Diamond Head, Fort Ruger	Split-System FCU-8 (24,200 BTUH)	1	Rm 12	Fujitsu	ASU24CL 1	GOA 025906		
16	300	Diamond Head, Fort Ruger	Split-System ACCU-8	1	Outside	Fujitsu	AOU24CL1	GDN 025954		
17	300	Diamond Head, Fort Ruger	Split-System FCU-9	1	Rm 12-A-1	Carrier	40QNB024300	0499Y50199	Washable	D/D
18	300	Diamond Head, Fort Ruger	Split-System ACCU-9	1	Outside	Carrier	38HDC024331	0200XB1324		D/D
19	300	Diamond Head, Fort Ruger	Split-System FCU-10	1	Rm. 12-A-2	Carrier	40QNB024300	0499Y50288	Washable	D/D
20	300	Diamond Head, Fort Ruger	Split-System ACCU-10	1	Outside	Carrier	38HDC024331	0200X81320		D/D
21	300	Diamond Head, Fort Ruger	Split-System FCU-11	1	Rm. 12-B-1	Carrier	40QNB024300	0499Y50286	Washable	D/D
22	300	Diamond Head, Fort Ruger	Split-System ACCU-11	1	Outside	Carrier	38HDC024331	0200X81327		D/D
23	300	Diamond Head, Fort Ruger	Split-System FCU-12	1	Rm 12-B-2	Carrier	40QNB024300	0499Y50133	Washable	D/D
24	300	Diamond Head, Fort Ruger	Split-System ACCU-12	1	Outside	Carrier	38HDC024331	0200X81321		D/D
25	300	Diamond Head, Fort Ruger	Split-System FCU-13	1	Rm. 13	Carrier	40QNB018300	176BY20794	Washable	D/D
26	300	Diamond Head, Fort Ruger	Split-System ACCU-13	1	Outside	Carrier	38HDC018341	1200X85338		D/D
27	300	Diamond Head, Fort Ruger	Split-System FCU-14	1	Rm. 14	Fujitsu	AOU36CLX1	HBN 022428		
28	300	Diamond Head, Fort Ruger	Split-System ACCU-14	1	Outside	Fujitsu	ASU36CLX1	HBA 022530		
29	300	Diamond Head, Fort Ruger	Split-System FCU-15	1	Rm. 15	Carrier	40QNB024300	4499Y50397	Washable	D/D
30	300	Diamond Head, Fort Ruger	Split-System ACCU-15	1	Outside	Carrier	38HDC024331	2700X93914		D/D
31	300	Diamond Head, Fort Ruger	Split-System FCU-16	1	Rm. 19	Carrier	40QNB009100	1599841053	Washable	D/D
32	300	Diamond Head, Fort Ruger	Split-System ACCU-16	1	Outside	Carrier	38HN009100	0899Y10039		D/D
33	300	Diamond Head, Fort Ruger	Split-System FCU-17	1	Rm. 24	Carrier	N/A	N/A	Washable	D/D
34	300	Diamond Head, Fort Ruger	Split-System ACCU-17	1	Outside	Carrier	38AN009100	0098Y10040		D/D
35	300	Diamond Head, Fort Ruger	Split-System FCU-18	1	Rm. 25	Carrier	N/A	N/A	Washable	D/D
36	300	Diamond Head, Fort Ruger	Split-System ACCU-18	1	Outside	Carrier	38AN009100	0899Y10050		D/D
37	300	Diamond Head, Fort Ruger	Split-System FCU-19	1	Rm. 26A	Fujitsu	ASU30C1	8352	Washable	D/D
38	300	Diamond Head, Fort Ruger	Split-System ACCU-19	1	Outside	Fujitsu	AOU30C1	A0N006280		D/D
39	300	Diamond Head, Fort Ruger	Split-System FCU-20	1	Rm. 26B	Carrier	40QNB009100	1599Y41085	Washable	D/D
40	300	Diamond Head, Fort Ruger	Split-System ACCU-20	1	Outside	Carrier	38AN009100	0899Y10012		D/D
41	300	Diamond Head, Fort Ruger	Split-System FCU-21	1	Rm. 26C	Fujitsu	ASU30C1	8352	Washable	D/D
42	300	Diamond Head, Fort Ruger	Split-System ACCU-21	1	Outside	Fujitsu	AOU30C1	A0N0063226		D/D
43	300	Diamond Head, Fort Ruger	Split-System FCU-22A	1	Rm 32	Fujitsu	ASU15RLS2	JSA 039884		
44	300	Diamond Head, Fort Ruger	Split-System FCU-22B	1	Rm 33	Fujitsu	ASU9RLF1	MXA 034321		
45	300	Diamond Head, Fort Ruger	Split-System FCU-22C	1	Rm 34	Fujitsu	ASU9RLF1	MXA 034327		
46	300	Diamond Head, Fort Ruger	Split-System ACCU-22	1	Outside	Fujitsu	AOU36RLXFZ1	LVN 036144		
47	300	Diamond Head, Fort Ruger	Split-System FCU-23	1	Outside	Fujitsu	AOU36RLXFZ1	LVN 036143		
48	300	Diamond Head, Fort Ruger	Split-System FCU-23A	1	Rm 35	Fujitsu	ASU15RLS2	JSA 039881		
49	300	Diamond Head, Fort Ruger	Split-System FCU-23B	1	Rm 36	Fujitsu	ASU9RLF1	MXA 029540		
50	300	Diamond Head, Fort Ruger	Split-System FCU-23C	1	Rm 37	Fujitsu	ASU9RLF1	MXA 034318		
51	300	Diamond Head, Fort Ruger	Split-System FCU-24	1	Rm. 38A	Carrier	40HQN024300	0301X99872	Washable	D/D
52	300	Diamond Head, Fort Ruger	Split-System ACCU-24	1	Rm. 38A	Carrier	38HDC024331	0301X99872		D/D
53	300	Diamond Head, Fort Ruger	Split-System FCU-25	1	Rm. 38B	Carrier	40HQN024300	0200X81398	Washable	D/D
54	300	Diamond Head, Fort Ruger	Split-System ACCU-25	1	Rm. 38B	Carrier	38HDC024331	0200X81398		D/D
55	300	Diamond Head, Fort Ruger	Split-System ACCU-26 (12,000 BTUH)	1	Outside	Fujitsu	AOU12RLFW1	MYN 009384		
56	300	Diamond Head, Fort Ruger	Split-System FCU-26	1	Rm. 39A	Fujitsu	ASU12RLFW1	MYA 020319		
57	300	Diamond Head, Fort Ruger	Split-System FCU-27	1	Rm. 39B	Carrier	40QNB024300	4499X51259	Washable	D/D
58	300	Diamond Head, Fort Ruger	Split-System ACCU-27	1	Rm. 39B	Carrier	38HDC024331	0301X99884		D/D
59	300	Diamond Head, Fort Ruger	Split-System FCU-28	1	Rm. 40	Carrier	40QNB024300	4499X50392	Washable	D/D
60	300	Diamond Head, Fort Ruger	Split-System ACCU-28	1	Outside	Carrier	38HDC024331	2700X93910		D/D
61	300	Diamond Head, Fort Ruger	Split-System FCU-29	1	Rm. 46	Ambiance	AS18CR3FM	N/A	Washable	D/D
62	300	Diamond Head, Fort Ruger	Split-System ACCU-29	1	Outside	Ambiance	AS18CR3FM	9239000020		D/D
63	300	Diamond Head, Fort Ruger	Split-System FCU-30	1	Rm. 47A	Fujitsu	AOU12RLFW1	MYN 009809		
64	300	Diamond Head, Fort Ruger	Split-System ACCU-30	1	Outside	Fujitsu	ASU12RLFW1	MYA 020298		
65	300	Diamond Head, Fort Ruger	Split-System FCU-31	1	Rm. 47B	Carrier	40QNB024300	1300Y42034	Washable	D/D
66	300	Diamond Head, Fort Ruger	Split-System ACCU-31	1	Outside	Carrier	38HDC024331	1452X19846		D/D
67	300	Diamond Head, Fort Ruger	Split System	24						

Equipment Item #	Bldg.	Location	Description	Qty.	Building Location	Make	Model	Serial	Filter (Model no, Qty)	Belt (Model No, Qty)
1	407	Diamond Head Crater, Ft Ruger	Air Cooled Chiller (CH1)	1	Outside	RAETECH	30A0CS8	03-05-077363	N/A	N/A
2	407	Diamond Head Crater, Ft Ruger	Air Cooled Chiller (CH2)	1	Outside	RAETECH	30A0CS8	N/A	N/A	N/A
3	407	Diamond Head Crater, Ft Ruger	Chill water pump (CHWP1)	1						
4	407	Diamond Head Crater, Ft Ruger	Chill water pump (CHWP2)	1						
4	407	Diamond Head Crater, Ft Ruger	AHU #1	1		Carrier	N/A	N/A		
5	407	Diamond Head Crater, Ft Ruger	AHU #2	1	Rm. 104	Carrier	N/A	N/A	1-1BX25X1	1-A26
6	407	Diamond Head Crater, Ft Ruger	AHU #3	1	Rm 103	Carrier	N/A	N/A	1-16X2SX1	1-A26
7	407	Diamond Head Crater, Ft Ruger	FCU #1	1	Rm 103A	Carrier	42CE6BRCY6A.	N/A	1-10X40X1	D/D
8	407	Diamond Head Crater, Ft Ruger	FCU #2	1	Rm 103B	Carrier	42CE6BRCY8A	N/A	1-10X40X1	D/D
9	407	Diamond Head Crater, Ft Ruger	FCU #3	1	Rm 104A					
10	407	Diamond Head Crater, Ft Ruger	Condensate pump	1	Hallway					
11	407	Diamond Head Crater, Ft Ruger	Utility exhaust fan	1	Generator Room		N/A	N/A		1-A43
12	407	Diamond Head Crater, Ft Ruger	AHU	1	Server Rm.	Liebert	MMD363P0ED0	0504N102767	1-16X25X2	D/D
13	407	Diamond Head Crater, Ft Ruger	Dry Cooler	1	Hallway	Liebert	MCD38W3PH3	050012N105225	NIA.	D/D
14	407	Diamond Head Crater, Ft Ruger	AHU#1	1	Hallway	Carrier	39LB03AAATAMJAG	0805U0188	2-16X25X2	1-A21
1	306	Diamond Head Rd, Ft. Ruger	Water Cooled Chiller (CH-1)	1	Bldg 306A Mech Rm					
2	306	Diamond Head Rd, Ft. Ruger	Cooling Tower (CT-1)	1	Outside Bldg 306A					
3	306	Diamond Head Rd, Ft. Ruger	Air Handler Unit (AH 1-1)	1						
4	306	Diamond Head Rd, Ft. Ruger	Air Handler Unit (AH 1-2)	1						
5	306	Diamond Head Rd, Ft. Ruger	Air Handler Unit (AH 1-3)	1						
6	306	Diamond Head Rd, Ft. Ruger	Air Handler Unit (AH 1-4)	1						
7	306	Diamond Head Rd, Ft. Ruger	Air Handler Unit (AH 1-5)	1						
8	306	Diamond Head Rd, Ft. Ruger	Air Handler Unit (AH 2-1)	1						
9	306	Diamond Head Rd, Ft. Ruger	Air Handler Unit (AH 2-2)	1						
10	306	Diamond Head Rd, Ft. Ruger	Air Handler Unit (AH 2-4)	1						
11	306	Diamond Head Rd, Ft. Ruger	Air Handler Unit (AH 2-5)	1						
12	306	Diamond Head Rd, Ft. Ruger	Fan Coil Unit (FC 1-1)	1						
13	306	Diamond Head Rd, Ft. Ruger	Fan Coil Unit (FC 1-1A)	1						
14	306	Diamond Head Rd, Ft. Ruger	Fan Coil Unit (FC 1-2)	1						
15	306	Diamond Head Rd, Ft. Ruger	Fan Coil Unit (FC 1-3)	1						
16	306	Diamond Head Rd, Ft. Ruger	Fan Coil Unit (FC 1-4)	1						
17	306	Diamond Head Rd, Ft. Ruger	Fan Coil Unit (FC 1-5)	1						
18	306	Diamond Head Rd, Ft. Ruger	Fan Coil Unit (FC 1-6)	1						
19	306	Diamond Head Rd, Ft. Ruger	Fan Coil Unit (FC 1-7)	1						
20	306	Diamond Head Rd, Ft. Ruger	Fan Coil Unit (FC 1-8)	1						
21	306	Diamond Head Rd, Ft. Ruger	Fan Coil Unit (FC 1-9)	1						
22	306	Diamond Head Rd, Ft. Ruger	Fan Coil Unit (FC 1-10)	1						
23	306	Diamond Head Rd, Ft. Ruger	Fan Coil Unit (FC 2-1)	1						
24	306	Diamond Head Rd, Ft. Ruger	Fan Coil Unit (FC 2-2)	1						
25	306	Diamond Head Rd, Ft. Ruger	Fan Coil Unit (FC 2-3)	1						
26	306	Diamond Head Rd, Ft. Ruger	Fan Coil Unit (FC 2-3A)	1						
27	306	Diamond Head Rd, Ft. Ruger	Fan Coil Unit (FC 2-3B)	1						
28	306	Diamond Head Rd, Ft. Ruger	Fan Coil Unit (FC 2-4)	1						
29	306	Diamond Head Rd, Ft. Ruger	Fan Coil Unit (FC 2-5)	1						
30	306	Diamond Head Rd, Ft. Ruger	Fan Coil Unit (FC 2-6)	1						
31	306	Diamond Head Rd, Ft. Ruger	Fan Coil Unit (FC 2-7)	1						
32	306	Diamond Head Rd, Ft. Ruger	Fan Coil Unit (FC 2-8)	1						
33	306	Diamond Head Rd, Ft. Ruger	Fan Coil Unit (FC 2-9)	1						
34	306	Diamond Head Rd, Ft. Ruger	Fan Coil Unit (FC 2-10)	1						
35	306	Diamond Head Rd, Ft. Ruger	Fan Coil Unit (FC 2-11)	1						
36	306	Diamond Head Rd, Ft. Ruger	Exhaust Fan (EF-1)	1	Bldg 306A Mech Rm					
37	306	Diamond Head Rd, Ft. Ruger	Chilled Water Pump (CHWP-1)	1	Bldg 306A Mech Rm					
38	306	Diamond Head Rd, Ft. Ruger	Chilled Water Pump (CHWP-2)	1	Bldg 306A Mech Rm					
39	306	Diamond Head Rd, Ft. Ruger	Condenser Water Pump (CDWP-1)	1	Bldg 306A Mech Rm					
40	306	Diamond Head Rd, Ft. Ruger	Condenser Water Pump (CDWP-1)	1	Bldg 306A Mech Rm					
41	306	Diamond Head Rd, Ft. Ruger	VFD	4						
1	306A	Diamond Head Rd, Ft. Ruger	FCU-1	1	Computer Room	Liebert			Qty 4 each	
2	306A	Diamond Head Rd, Ft. Ruger	ACCU-1	1	Outside	Liebert				
2	306A	Diamond Head Rd, Ft. Ruger	FCU-2	1	Computer Room	Liebert			Qty 4 each	
3	306A	Diamond Head Rd, Ft. Ruger	ACCU-2	1	Outside	Liebert				
3	306A	Diamond Head Rd, Ft. Ruger	FCU-3	1	Computer Room	Liebert			Qty 4 each	
4	306A	Diamond Head Rd, Ft. Ruger	ACCU-3	1	Outside	Liebert				
5	306A	Diamond Head Rd, Ft. Ruger	ACCU-4	1	Serves 1st Floor Offices	Fujitsu	AOU24CL			
6	306A	Diamond Head Rd, Ft. Ruger	FCU-4	1	Serves 1st Floor Offices	Fujitsu	ASU24CL			
7	306A	Diamond Head Rd, Ft. Ruger	ACCU-5	1	Serves 1st Floor Offices	Fujitsu	AOU24CL			
8	306A	Diamond Head Rd, Ft. Ruger	FCU-5	1	Serves 1st Floor Offices	Fujitsu	ASU24CL			
9	306A	Diamond Head Rd, Ft. Ruger	ACCU-6	1	Serves 1st Floor Offices	Fujitsu	AOU36RML			
10	306A	Diamond Head Rd, Ft. Ruger	FCU-6	1	Serves 1st Floor Offices	Fujitsu	ASU12RMLQ			
11	306A	Diamond Head Rd, Ft. Ruger	ACCU-7	1	Serves 1st Floor Offices	Fujitsu	ASU12RMLQ			
12	306A	Diamond Head Rd, Ft. Ruger	FCU-7	1	Serves 1st Floor Offices	Fujitsu	ASU9RMLQ			
13	306A	Diamond Head Rd, Ft. Ruger	ACCU-8	1	Serves 1st Floor Offices	Fujitsu	AOU36CLX			

Equipment Item #	Bldg.	Location	Description	Qty.	Building Location	Make	Model	Serial	Filter (Model no, Qty)	Belt (Model No, Qty)
14	306A	Diamond Head Rd, Ft. Ruger	FCU-8	1	Serves 1st Floor Offices	Fujitsu	ASU36CLX			
15	306A	Diamond Head Rd, Ft. Ruger	ACCU-9	1	Serves 1st Floor Offices	Fujitsu	AOU36RML			
16	306A	Diamond Head Rd, Ft. Ruger	FCU-9	1	Serves 1st Floor Offices	Fujitsu	ASU9RMLQ			
17	306A	Diamond Head Rd, Ft. Ruger	ACCU-10	1	Serves 1st Floor Offices	Fujitsu	ASU9RMLQ			
18	306A	Diamond Head Rd, Ft. Ruger	FCU-10	1	Serves 1st Floor Offices	Fujitsu	ASU12RMLQ			
19	306A	Diamond Head Rd, Ft. Ruger	ACCU-11	1	Serves 1st Floor Offices	Fujitsu	AOU36CLX			
20	306A	Diamond Head Rd, Ft. Ruger	FCU-11	1	Serves 1st Floor Offices	Fujitsu	ASU36CLX			
21	306A	Diamond Head Rd, Ft. Ruger	ACCU-12	1	Serves 1st Floor Offices	Fujitsu	AOU36CLX			
22	306A	Diamond Head Rd, Ft. Ruger	FCU-12	1	Serves 1st Floor Offices	Fujitsu	AOU36CLX			
23	306A	Diamond Head Rd, Ft. Ruger	ACCU-13	1	Serves 1st Floor Offices	Fujitsu	AOU36CLX			
24	306A	Diamond Head Rd, Ft. Ruger	FCU-13	1	Serves 1st Floor Offices	Fujitsu	AOU36CLX			
25	306A	Diamond Head Rd, Ft. Ruger	ACCU-14	1	Serves 2nd Floor Offices	Fujitsu	AOU24CL			
26	306A	Diamond Head Rd, Ft. Ruger	FCU-14	1	Serves 2nd Floor Offices	Fujitsu	ASU24CL			
27	306A	Diamond Head Rd, Ft. Ruger	ACCU-15	1	Serves 2nd Floor Offices	Fujitsu	AOU36CLX			
28	306A	Diamond Head Rd, Ft. Ruger	FCU-15	1	Serves 2nd Floor Offices	Fujitsu	ASU36CLX			
29	306A	Diamond Head Rd, Ft. Ruger	ACCU-16	1	Serves 2nd Floor Offices	Fujitsu	AOU36RMLQ			
30	306A	Diamond Head Rd, Ft. Ruger	FCU-16A	1	Serves 2nd Floor Offices	Fujitsu	ASU9RMLQ			
31	306A	Diamond Head Rd, Ft. Ruger	FCU-16B	1	Serves 2nd Floor Offices	Fujitsu	ASU9RMLQ			
32	306A	Diamond Head Rd, Ft. Ruger	FCU-16C	1	Serves 2nd Floor Offices	Fujitsu	ASU9RMLQ			
33	306A	Diamond Head Rd, Ft. Ruger	FCU-16D	1	Serves 2nd Floor Offices	Fujitsu	ASU9RMLQ			
34	306A	Diamond Head Rd, Ft. Ruger	ACCU-17	1	Serves 2nd Floor Offices	Fujitsu	AOU36RML			
35	306A	Diamond Head Rd, Ft. Ruger	FCU-17A	1	Serves 2nd Floor Offices	Fujitsu	ASU12RMLQ			
36	306A	Diamond Head Rd, Ft. Ruger	FCU-17B	1	Serves 2nd Floor Offices	Fujitsu	ASU12RMLQ			
37	306A	Diamond Head Rd, Ft. Ruger	FCU-17C	1	Serves 2nd Floor Offices	Fujitsu	ASU9RMLQ			
38	306A	Diamond Head Rd, Ft. Ruger	ACCU-18	1	Serves 2nd Floor Offices	Fujitsu	AOU36RML			
39	306A	Diamond Head Rd, Ft. Ruger	FCU-18A	1	Serves 2nd Floor Offices	Fujitsu	ASU12RMLQ			
40	306A	Diamond Head Rd, Ft. Ruger	FCU-18B	1	Serves 2nd Floor Offices	Fujitsu	ASU12RMLQ			
41	306A	Diamond Head Rd, Ft. Ruger	FCU-18C	1	Serves 2nd Floor Offices	Fujitsu	ASU9RMLQ			
42	306A	Diamond Head Rd, Ft. Ruger	ACCU-19	1	Serves 2nd Floor Offices	Fujitsu	AOU36RML			
43	306A	Diamond Head Rd, Ft. Ruger	FCU-19A	1	Serves 2nd Floor Offices	Fujitsu	ASU12RMLQ			
44	306A	Diamond Head Rd, Ft. Ruger	FCU-19B	1	Serves 2nd Floor Offices	Fujitsu	ASU12RMLQ			
45	306A	Diamond Head Rd, Ft. Ruger	FCU-19C	1	Serves 2nd Floor Offices	Fujitsu	ASU9RMLQ			
46	306A	Diamond Head Rd, Ft. Ruger	ACCU-20	1	Serves 2nd Floor Offices	Fujitsu	AOU36CLX			
47	306A	Diamond Head Rd, Ft. Ruger	FCU-20	1	Serves 2nd Floor Offices	Fujitsu	ASU36CLX			
48	306A	Diamond Head Rd, Ft. Ruger	ACCU-21	1	Serves 2nd Floor Offices	Fujitsu	AOU36RML			
49	306A	Diamond Head Rd, Ft. Ruger	FCU-21A	1	Serves 2nd Floor Offices	Fujitsu	ASU12RMLQ			
50	306A	Diamond Head Rd, Ft. Ruger	FCU-21B	1	Serves 2nd Floor Offices	Fujitsu	ASU12RMLQ			
51	306A	Diamond Head Rd, Ft. Ruger	FCU-21C	1	Serves 2nd Floor Offices	Fujitsu	ASU9RMLQ			
52	306A	Diamond Head Rd, Ft. Ruger	ACCU-22	1	Serves 2nd Floor Offices	Fujitsu	AOU36CLX			
53	306A	Diamond Head Rd, Ft. Ruger	FCU-22	1	Serves 2nd Floor Offices	Fujitsu	ASU36CLX			
54	306A	Diamond Head Rd, Ft. Ruger	ACCU-23	1	Serves 2nd Floor Offices	Fujitsu	AOU36CLX			
55	306A	Diamond Head Rd, Ft. Ruger	FCU-23	1	Serves 2nd Floor Offices	Fujitsu	ASU36CLX			
56	306A	Diamond Head Rd, Ft. Ruger	ACCU-24	1	Serves 2nd Floor Offices	Fujitsu	AOU36RML			
57	306A	Diamond Head Rd, Ft. Ruger	FCU-24A	1	Serves 2nd Floor Offices	Fujitsu	ASU9RMLQ			
58	306A	Diamond Head Rd, Ft. Ruger	FCU-24B	1	Serves 2nd Floor Offices	Fujitsu	ASU9RMLQ			
59	306A	Diamond Head Rd, Ft. Ruger	FCU-24C	1	Serves 2nd Floor Offices	Fujitsu	ASU9RMLQ			
60	306A	Diamond Head Rd, Ft. Ruger	ACCU-25	1	Serves 2nd Floor Offices	Fujitsu	AOU36CLX			
61	306A	Diamond Head Rd, Ft. Ruger	FCU-25A	1	Serves 2nd Floor Offices	Fujitsu	ASU12RMLQ			
62	306A	Diamond Head Rd, Ft. Ruger	FCU-25B	1	Serves 2nd Floor Offices	Fujitsu	ASU12RMLQ			
63	306A	Diamond Head Rd, Ft. Ruger	FCU-25C	1	Serves 2nd Floor Offices	Fujitsu	ASU12RMLQ			
64	306A	Diamond Head Rd, Ft. Ruger	Split-System FCU-26	1	Rm. G4	Carrier	FG3AAA038	0898V270	2-16X25X2	1-A36
65	306A	Diamond Head Rd, Ft. Ruger	Split-System ACCU-26	1	Outside	Carrier	36CKB030300	13N6E20578	N/A	N/A
66	306A	Diamond Head Rd, Ft. Ruger	Split-System FCU-27	1	Rm. D11	Trane	TWE1205300AB	E23176068	4-18X25X1	1-B49
67	306A	Diamond Head Rd, Ft. Ruger	Split-System ACCU-27	1	Outside	Trane	TTA120B400EA	40443YNAD	N/A	N/A
68	306A	Diamond Head Rd, Ft. Ruger	VRF System (Joint Staff Area)	1	Outside	Mitsubishi	PUHY-P144YKMU-A-8S			
69	306A	Diamond Head Rd, Ft. Ruger	FCU 155-1	1	Rm 155	Mitsubishi	PLFY-P12NCMU-E			
70	306A	Diamond Head Rd, Ft. Ruger	FCU 155-2	1	Rm 155	Mitsubishi	PLFY-P12NCMU-E			
71	306A	Diamond Head Rd, Ft. Ruger	FCU 155-3	1	Rm 155	Mitsubishi	PLFY-P12NCMU-E			
72	306A	Diamond Head Rd, Ft. Ruger	FCU 228-4	1	Rm 228	Mitsubishi	PLFY-P12NCMU-E			
73	306A	Diamond Head Rd, Ft. Ruger	FCU 237-5	1	Rm 237	Mitsubishi	PLFY-P12NCMU-E			
74	306A	Diamond Head Rd, Ft. Ruger	FCU 240-6	1	Rm 240	Mitsubishi	PLFY-P12NCMU-E			
75	306A	Diamond Head Rd, Ft. Ruger	FCU 240-7	1	Rm 240	Mitsubishi	PLFY-P12NCMU-E			
76	306A	Diamond Head Rd, Ft. Ruger	FCU 240-8	1	Rm 240	Mitsubishi	PLFY-P12NCMU-E			
77	306A	Diamond Head Rd, Ft. Ruger	FCU 240-9	1	Rm 240	Mitsubishi	PLFY-P12NCMU-E			
78	306A	Diamond Head Rd, Ft. Ruger	FCU 240-10	1	Rm 240	Mitsubishi	PLFY-P12NCMU-E			
79	306A	Diamond Head Rd, Ft. Ruger	FCU 240-11	1	Rm 240	Mitsubishi	PMFY-P06NBMU-E			
80	306A	Diamond Head Rd, Ft. Ruger	FCU 240-7	1	Rm 240	Mitsubishi	PLFY-P12NCMU-E			

APPENDIX G: ADDENDUM TO APPENDIX F (ADDITIONAL EQUIPMENT LIST)

Building 19, Kalaeloa
1 – ACCU Mitsubishi
3 - FCU
1 – Mini split ACCU, Mitsubishi (Arms vault)
1 – FCU, Mitsubishi
Building UTES 21
4 – Mini split ACCU
Building 29
4 - VFD
Building 46, Kalaeloa
3 – Mini split ACCU, Mitsubishi
3 – FCU Mitsubishi
1 – Mini split ACCU, Fujitsu
1 – FCU Fujitsu
1 – AHU VFD
Notes: New Chiller is “Trane”
CHW pump and remote condenser not included
Building 117 (Low Bay Comm Room), Kalaeloa
1 – Mini split, Fujitsu
1 – Dual zone, Mitsubishi
1 – four (4) VFD
Building 117B
1 – Cooling Tower
Building 175, Kalaeloa
1 – Mini split, Fujitsu
Building 306
12 - VFD
Battery Tunnel 407
1 – Carrier chiller with pump package
Note: 1 – RAETECH Chiller already removed
from site

Building 1785, Kalaeloa
1 – ACCU/VRF, Mitsubishi
5 - FCU, Mitsubishi
Note: AHUs already removed from the building
Building 1788 (Conference Room/ Office), Kalaeloa
1 – ACCU/VRF, Mitsubishi
3 – FCU, Mitsubishi
1 – new Carrier chillier with pump package
1 – Trane chiller with one CW pump
Building. 1788, (Inspectors' Office), Kalaeloa
1 – Mini split, Friedrich
1 – FCU, Friedrich
Note: Retain EFs
Building 1874, Kalaeloa
5 – ACCU/VRF, Mitsubishi
16 – FCU, Mitsubishi
Building 1898
1 – Trane chiller
7 - VFD