AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1. CONTRACT ID CODE	PAGE	OF PAGES
	1	2

2. AMENDMENT/MODIFICATION NO.	3. EFFECTIVE DATE	4. REQUISITION/PURCHASE REQ. NO.	5. PROJECT NO. *(If applicable)*
AM-0011	3/13/02		

6. ISSUED BY	CODE	7. ADMINISTERED BY *(If other than Item 6)*	CODE

8. NAME AND ADDRESS OF CONTRACTOR *(No., street, county, State and ZIP Code)*	(√)	9A. AMENDMENT OF SOLICITATION NO.
	X	DACA83-02-R-0003
		9B. DATED *(SEE ITEM 11)* 12/07/01
		10A. MODIFICATION OF CONTRACTS/ORDER NO.
		10B. DATED *(SEE ITEM 13)*

CODE	FACILITY CODE

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

☒ The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers ☐ is extended, ☒ is not extended.

Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

(a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA *(If required)*

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(√)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: *(Specify authority)* THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES *(such as changes in paying office, appropriation date, etc.)* SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER *(Specify type of modification and authority)*

E. IMPORTANT: Contractor ☐ is not, ☐ is required to sign this document and return _____ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION *(Organized by UCF section headings, including solicitation/contract subject matter where feasible.)*

FY022 MCA PN 50846 COLD STORAGE FACILITY, AND FY01 RDT&E REPAIR WATER TANKS, U.S. ARMY KWAJALEIN ATOLL

(See page 2 of 2 pages)

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER *(Type or print)*		16A. NAME AND TITLE OF CONTRACTING OFFICER *(Type or print)*	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA	16C. DATE SIGNED
(Signature of person authorized to sign)		BY *(Signature of Contracting Officer)*	

1. CHANGES TO SPECIFICATIONS: Attached hereto are new and revised pages and sections to the specifications. The revised mark "Am-0011" is shown on each page.

A. REVISED PARAGRAPHS/PAGES. Following are revised paragraphs to the specifications. Changes are indicated in **bold**. The following are new, revised, and deleted paragraphs to the specification.

Section 00210 - Evaluation Factors for Award
Section 00900 - Questions and Answers
Section 02754 - CONCRETE PAVEMENT FOR SMALL PROJECTS
- paragraph: 1.6.4.3 Other Types of Finishing Equipment
Section 11551 - PALLET STORAGE RACKS
- paragraph: 1.3.2 Storage Requirements
Section 13280 - ASBESTOS ABATEMENT
- paragraph: 1.3.1 Abatement Work Tasks

B. NEW PAGES. The following new page is added to the solicitation.

List of Drawings - Water Tanks

2. CHANGES TO DRAWINGS

A. REVISED DRAWINGS (NOT USED). Following are revisions made to drawings listed. These revised drawings will not be issued with this amendment but will be furnished to the successful bidder at the time of award of the Contract. Revised drawings are available for inspection by bidders at the Office of the Contracting Officer.

RING NO.	DRAWING NO.	SHEET NO.	TITLE	DESCRIPTION
18	432-10-01	A-1	FLOOR PLAN WALL LEGEND, NOTES	Added note B- CONCRETE FLOOR SLAB AT ROOMS 15 THRU 24 SHALL BE TREATED WITH FLOOR HARDENER.

3. The proposal due date of March 22, 2002, 2:00 p.m., Hawaiian Standard Time remains unchanged.

EVALUATION FACTORS FOR AWARD

1. GENERAL:

1.1 Cost of Preparing Proposals: The Government will not reimburse any Offeror its costs incurred in submitting an offer in response to this solicitation.

1.2 Inquiries: Address all inquiries regarding this Request for Proposals to:

U.S. Army Engineer District, Honolulu
Attn: Ms. Renee Hicks (CEPOH-CT-C)
Building S-200
Fort Shafter, Hawaii 96858-5440
Phone No. (808) 438-8567
Fax No. (808) 438-8588
E-Mail: renee.hicks@usace.army.mil

1.3 Proposal submission and sequence of evaluation:

1.3.1 The Government will evaluate offers in accordance with the NON-PRICE EVALUATION FACTORS (the technical proposal) and the offeror's price, as set forth in this Provision.

1.3.2 During proposal evaluation, the NON-PRICE EVALUATION FACTORS will be evaluated to determine acceptability by a Source Evaluation Board (SEB) utilizing the method described below.

1.3.2.1 Basis for Selection. The evaluation for this project be based on the Lowest Price Technically Acceptable (LPTA) method. The technical evaluation will be based on an Acceptable/Unacceptable basis. The technical proposal will consist of evaluation factors in which offerors will receive either an acceptable or unacceptable rating.

1.3.2.1.1 TECHNICAL. The following factors will be used to evaluate each non-price evaluation factor:

1.3.2.1.1.1 Acceptable: Proposal is acceptable; proposal demonstrates acceptable understanding of requirements. Offeror's proposed capability or proposed effort is of an acceptable level of quality and justified or substantiated by meeting the requirements of each factor.

1.3.2.1.1.2 Unacceptable: Proposal is unacceptable; Government's requirements are not met. The Offeror's proposal lacks evidence of capability to perform proposed effort.

1.3.3.1.1 PRICE. The following procedures will be utilized to evaluate the price evaluation factor:

1.3.3.1.1.1 The Offeror's price proposal will not be scored, but will be evaluated separately from the offeror's technical proposal. The Government shall compare the competing prices

proposed by all offerors determined to have submitted acceptable offerors, together with the Government's Estimate, to establish price reasonableness. Cost analysis will not likely be performed under this solicitation, however, the offerors' price breakdown will be evaluated for reasonableness.

1.3.3 The Government intends to award without discussions to the offeror which is determined to be technically acceptable and has the lowest price offer in accordance with the provisions of this solicitation and applicable acquisition regulations. Those offerors who receive an unacceptable rating on any of the technical factors will not be considered for award without discussions. However, if discussions are determined to be necessary, the Contracting Officer will establish a competitive range and conduct discussions with those Offerors within the competitive range. Upon conclusion of discussions, if necessary, the Contracting Officer will request final proposal revisions from the Offerors remaining in the competitive range and may, upon receipt of final proposal revisions, proceed to award a contract without further discussions or notice.

2. PROPOSAL SUBMISSION REQUIREMENTS: Offeror shall provide an INDEX for each of the proposal volumes/sections that shows the title of the subject matter discussed therein and the page number where the information can be found. In particular, Offeror shall specifically refer to the topics and evaluation factors addressed in this section of the instructions. Offeror shall tab and index the proposal to match the listed factors and subfactors. Proposals that are not tabbed and indexed may be considered non-responsive.

2.1 General Requirements for Proposals:

2.1.1 Submission requirements for proposals.

2.1.1.1 Technical Proposals:

Submit one (1) original proposal and four (4) copies, in the format for Technical Proposals as set forth in this Provision.

2.1.1.2 Price Proposals:

2.1.1.2.1 Complete and submit one (1) original and two (2) copies of Section 00010, the Price Proposal Schedule, which is found in this solicitation in sufficient detail to permit Government analysis.

2.1.1.2.2 Submit one (1) original and one (1) copy of the Offeror's Price Breakdown in the format as set forth in Appendix B to Section 00600. Indicate on the Price Breakdown whether or not Facilities Capital Cost of Money is included in the contractor's costs of performing the work. Proposals that state that Facilities Capital Cost of Money is not included in the contractor's costs of performing the work—or proposals that don't state anything at all about Facilities Capital Cost of Money—will be deemed to have waived

Facilities Capital Cost of Money. Additionally, submit one electronic copy of the Price Breakdown, formatted in either Microsoft© Excel97© or Word for Windows97© or an earlier version of the same. Submit the electronic copy on a three and one-half inch (3&1/2") floppy diskette, IBM compatible, labeled with the offeror's name, the solicitation number and title, and the words, “Price Breakdown Electronic Copy.”

2.1.1.2.3 Submit with the Price Proposal:

2.1.1.2.3.1 One (1) original and two (2) copies of the Offeror’s completed Standard Form (SF) 1442, using a printed copy of the SF 1442 that has been issued under this solicitation;

2.1.1.2.3.2 One (1) copy (certified as a true copy) of the Offeror’s executed joint venture agreement (if the Offeror is a joint venture);

2.1.1.2.3.3 One (1) copy of the Offeror’s completed Section 00600, Representations and Certifications, using a printed copy of Section 00600 that has been issued under this solicitation; and

2.1.1.2.3.4 One (1) copy of the Offeror’s completed (if applicable) SF LLL, Disclosure of Lobbying Activities, using a printed copy of the SF LLL which is found in Appendix A to Section 00600.

2.2 Format Requirements for Proposals:

2.2.1 Any information, presented with a proposal that an Offeror wants to have safeguarded from disclosure to other parties must be identified and labeled in accordance with the requirements of Provision “52.215-1, Instructions to Offerors—Competitive Acquisition (Feb 2000),” subparagraph (e), which is found in Section 00100 of this solicitation. The Government will endeavor to honor the restrictions against release requested by Offerors, to the extent permitted under United States law and regulations.

2.2.2 Prepare proposals in the English language.

2.2.3 Type or print all information presented in the proposal, to the extent possible. Use clear, simple English letters and numbers. Laser printer-quality printing is adequate for the proposals. Elaborate calligraphy is not desired. Do not use size printing or typing less than 10 pitch (United States). Use black characters on white paper as much as possible. Color should be used for clarity, not for purposes of decoration. Do not use colors that do not reproduce legibly using standard office or commercial facsimile or copying machines. Prepare technical proposals on standard (United States), letter-sized (8.5 x 11 inches) or substantially similar international/metric-sized pages. Use only one side of the page. Use non-glossy paper of good weight and quality. Expensive or elaborate paper stock is not desired.

2.2.4 Submit proposal packages to the US Army Corps of Engineers (“the Government”) as shown in Block 8 of Standard Form 1442.

2.2.5 Proposals received by the Government after the date and time set for receipt of proposals will be handled in accordance with the requirements of Provision “52.215-1, Instructions to Offerors—Competitive Acquisition (Feb 2000),” subparagraph (c), found in Section 00100.

2.3 Specific Requirements for Technical Proposals:

2.3.1 Submit technical proposals in a narrative format, organized and titled so that each section of the proposal follows the order and format of the factors and subfactors set forth below in paragraph 3. “Technical Evaluation Factors and Submission Requirements.”

2.3.2 Information presented in the technical proposal should be sufficiently detailed in order to clearly describe how the offeror addresses the technical proposal evaluation factors. Professional looking and well organized (as opposed to poorly prepared and haphazardly organized) proposals will likely be considered to reflect more favorably on the capabilities of the Offeror; however, it is not the Government’s intent to require elaborate “magazine-style” proposals. It is not necessary, nor desired, that Offerors prepare elaborate or lengthy proposals.

2.3.3 There is no limit to the size of technical proposals, or the amount of information that may be submitted to the Government. However, information should be concisely presented, to the extent possible. Information presented should be organized so as to pertain to only the evaluation factor or subfactor in which section the information is presented. Information pertaining to more than one evaluation factor or subfactor should be repeated for each factor or subfactor.

2.3.4 The proposal must set forth full, accurate, and complete information as required by this solicitation. The Government will rely on such information in the award of a contract. By submission of an offer, the Offeror agrees that all items in its proposal (key managerial and technical on-site personnel, subcontractors, targets for utilization of eligible SDB concerns, etc.) will be used throughout the duration of the contract and any substitutions of items will require prior approval by the Contracting Officer.

3. TECHNICAL EVALUATION FACTORS AND SUBMISSION REQUIREMENTS

Each technical factor (Past Performance/Experience and Key Personnel) and subfactors will be evaluated on an acceptable/unacceptable basis. Acceptability will be based upon submission of all of the requirements identified in the respective submission section, and the following:

For Past Performance- The offeror must refer to at least one past performance evaluation rating of Satisfactory or Better on projects of similar scope, dollar value (exceeding $10,000,000.00) and complexity in the past five years, and the offeror must not have received any

Unsatisfactory performance evaluation on any Federal, State, and Municipal Government or private industry contract in the past five years.

For Past Experience - The offeror must refer to at least one contract of similar scope, dollar value (exceeding $10,000,000.00) and complexity in the past five years.

For Key **Personnel** - The offerors' proposal must demonstrate compliance with all of the personnel qualification and organizational structuring referred to throughout the RFP.

An acceptable rating for each factor and subfactor is required for an offerors' proposal to receive further consideration. Failure to receive an acceptable rating for any factor or subfactor will result in rejection of the offerors proposal notwithstanding acceptable ratings for other factors or subfactors. Award will be made to the responsible offeror that submits the lowest priced offer that is technically acceptable to the Government.

3.1 Evaluation Factor (1) - Past Performance and Experience in an overseas environment similar to U.S. Army Kwajalein Atoll.

3.1.1 Subfactor (1)(a) - Offeror's past performance in completing projects of similar scope, dollar value (exceeding $10,000,000.00), and complexity during the past 5 years.

3.1.1.1 (Requirements for Subfactor 1 (a)) The Government will review and evaluate information about each offeror's past performance and will rate offerors as acceptable or unacceptable on the basis of their documented past performance. By "past performance" the Government means an offeror's reputation for satisfying its customers by delivering quality work in a timely manner at a reasonable cost. Past Performance also includes an offer's reputation for integrity, reasonable and cooperative conduct, and commitment to customer satisfaction. In reviewing and evaluating an offeror's past performance, the Government will consider information obtained from the offeror and may consider information from other sources, including past and present customers and their current and former employees. Note that unavailability (due to nonexistence) of past performance records or information cannot result in failure of this element, but will result in a neutral rating. Evidence that an offeror has poor past performance in any area will result in failure of the entire element.

3.1.1.2 Submission Requirements for Evaluation Subfactor (1)(a) – Provide the following for each applicable project (including projects with the Federal, State, and Municipal Governments and private industry):

3.1.1.1.1 Contract Number, Project Description and Location,

3.1.1.1.2 Contracting Officer/Owner's Point of Contact, Telephone Number,

3.1.1.1.3 Original Contract Amount,

3.1.1.1.4 Final Contract Amount,

3.1.1.1.5 Final Completion Date (as established by contract modifications),

3.1.1.1.6 Actual Completion Date (date work accepted by Government or customer),

3.1.1.1.7 Estimated Percentage of Actual Construction Work that the Offeror and its employees performed on the project,

3.1.1.1.8 Interim or Final Performance evaluation (if customer was the Federal Government, submit **DD Form 2626),**

3.1.1.1.9. Letters of Appreciation or Commendation and Awards. Letters or other communications generated specifically for purposes of this solicitation may not be given as much weight as evaluations and other communications that are generated in the ordinary course of business.

3.1.1.1.10 Offerors that report an adverse or unfavorable interim or final performance evaluation should attach a narrative that explains, rebuts or describes lessons learned from the adverse or unfavorable evaluation.

3.1.1.1.11 If the Offeror proposes to subcontract part of the work, provide the same information as required above for Offeror’s proposed subcontractors. This applies to any subcontractor which the offeror expects to perform more than 20 percent of the work under the contract, in terms of the relationship of the subcontractor’s price of doing the work compared to the offeror’s overall cost of doing the work. Regardless of the percentage of the work they may undertake, the evaluation factor also applies to any electrical, mechanical, sheet metal roofing, structural steel, or masonry subcontractor.

3.1.1.1.12 For each completed project which the Offeror identifies as an example of past performance, describe that completed project’s relevance to the current, proposed project in terms of the Offeror’s proposed use of the same key management personnel and subcontractors (including the proposed use of the same key personnel for subcontractors and the use of any same lower tier subcontractors).

3.1.1.2 The information provided by the Offeror will provide the major portion of the information used in the Government’s evaluation for past performance. The Government may use other sources to assess past performance information including the Construction Contractor Appraisal Support System (CCASS) and inquiries with previous customers/owners.

3.1.2 Subfactor (1)(b) - Offeror's experience in completing projects of similar scope, dollar value (exceeding $10,000,000.00), and complexity during the past 5 years.

3.1.2.1 (Requirements for Subfactor 1 (b)) The Government will review and evaluate the documentation submitted with each proposal with respect to the offeror's past and current work experience, including technical and geographic similarities between the offeror's past work experience and the work described in this solicitation. Direct experience of the offeror, any joint venture partners or any offerors related by some form of ownership agreement, or experience of any subcontractors that any offeror proposes to utilize in the execution of this work (notwithstanding that the experience of the subcontractor may be more favorably suited to this project than the offeror's) will be considered. A five-year history (during the last five years) of experience performing technically the same or similar work, and a five-year history (during the last five years) of experience of working in the same or similar geographic area will be required. Evidence of experience showing completion of "fast track" - type projects in accordance with U.S. and outside U.S. standards of a like or similar nature will also be required. Offerors will receive an acceptable or unacceptable rating for experience. If the Government concludes, based on evaluation of an Offeror's proposal, that there is significant doubt as to the offeror's ability to successfully perform and complete the required work, the offeror will be found technically unacceptable for this subfactor.

3.1.2.2 Submission Requirements for Evaluation Subfactor (1)(b) -

3.1.2.1.1 Describe projects of similar scope, dollar value, and complexity, offeror has on-going or completed within the past 5 years.

3.1.2.1.2 State why or how the Offeror's experience with the described projects is relevant to the Offeror's expectation of successful completion of this project.

3.1.2.1.3 If the Offeror proposes to subcontract part of the work, provide the same information as required above for the proposed subcontractors. This applies to any subcontractor which the offeror expects to perform more than 20 percent of the work under the contract, in terms of the relation of the subcontractor's price of doing the work compared to the offeror's overall cost of doing the work. Regardless of the percentage of the work a subcontractor may undertake, the evaluation factor also applies to any electrical, mechanical, sheet metal roofing, structural steel, or masonry subcontractor.

3.2 Evaluation Factor (2) – Personnel experience, qualifications and organization demonstrating experience in successfully executing U.S. Government projects in remote sites, similar to USAKA.

3.2.1 Subfactor (2)(a) - Experience and qualifications of the Offeror's proposed key managerial and technical on-site personnel to be used for the project that demonstrate the Offeror's ability to provide quality work within the project completion period, for the price offered.

3.2.1.1 (Requirements for Subfactor 2 (a)) The Government will review and evaluate the qualifications of each offerors' key personnel as acceptable or unacceptable based on years of experience, and the degree of management oversight of Government projects of similar scope, dollar value, and complexity that each individual has performed over the past ten years.

3.2.1.2 Submission Requirements for Evaluation Subfactor (2)(a) –

3.2.1.1.1 Identify the key managerial and technical on-site personnel who will be assigned to work under the contract.

3.2.1.1.2 For each person so identified, provide a resume or other information that describes his or her qualifications for the job(s) that the person will be performing, including any special skills or experiences deemed worthy of note.

3.2.1.1.3 Describe each person's experience in overseeing application of U.S. Government construction procedures, including Contractor Quality Control (CQC) procedures, if applicable to the position the person is to hold within Offeror's organization.

3.2.1.1.4 For all named, proposed subcontractors in Offeror's proposal, provide the same information as required in the preceding paragraphs for the subcontractors' proposed key managerial and technical on-site personnel. This applies to any subcontractor which the offeror expects to perform more than 20 percent of the work under the contract, in terms of the relation of the subcontractor's price of doing the work compared to the offeror's overall cost of doing the work. Regardless of the percentage of the work a subcontractor may undertake, the evaluation factor also applies to any electrical, mechanical, sheet metal roofing, structural steel, or masonry subcontractor.

3.2.2 Subfactor (2)(b) – The Offeror's proposed on-site organization structure to be used under the contract that demonstrates the Offeror's ability to provide quality work within the contract completion period, for the price offered.

3.2.2.1 (Requirements for Subfactor 2 (b)) The Government will review and evaluate the organization charts and other pertinent information as stated in the submission requirements for this subfactor as either acceptable or unacceptable. Offerors will demonstrate their ability to complete the required work successfully through the use of an efficient organizational structure that allows for streamlined reporting processes, proper subcontractor management, ability to manage resources, and technical knowledge and capability of the staff.

3.2.2.2 Submission Requirements for Evaluation Subfactor (2)(b) –

3.2.2.1.1 Describe the Offeror's proposed job site organization.

3.2.2.1.2 Describe how the Offeror intends to monitor and control timeliness, quality and safety of the work at the job site, including the work of the subcontractors.

3.2.2.1.3 Incorporate into the description an organizational chart for on-site managerial and technical staff, tying in the identities of the key managerial and technical personnel that are described in Subfactor (2)(a).

3.2.2.1.4. For all named, proposed subcontractors in Offeror’s proposal, provide the same information as required in the preceding paragraphs for the subcontractors’ proposed on-site organization structure. This applies to any subcontractor which the offeror expects to perform more than 20 percent of the work under the contract, in terms of the relation of the subcontractor’s price of doing the work compared to the offeror’s overall cost of doing the work. Regardless of the percentage of the work a subcontractor may undertake, the evaluation factor also applies to any electrical, mechanical, sheet metal roofing, structural steel, or masonry subcontractor.

are listed with conflicting information. For example, it states that all tanks are to get a new FML floor system. We believe this drawing has many other notes and requirements which do not apply. Please advise what portions of Drawing S-7 and other "As Built" Drawings are applicable for this RFP.
RESPONSE: Sheets S-5 through S-9 are reference asbuilt drawings, and are provided in the contract for general reference (informational) purposes only. These are provided to assist the contractor with planning demolition and new work. New contract actual physical work requirements are not shown on the reference asbuilt drawings but are indicated on Sheets S-1 through S-4.

6. Drawing S4, note F -3 states that the Contractor will assume 150 gallons of epoxy for 500 If of shrinkage cracks per tank for 500 if of cracks. A similar note exists under item 4. for the floor slab, i.e., 500 gallons of epoxy for 3480 If of shrinkage cracks. Will the contract be modified if the quantities vary? If so, what will be the basis of measurement and payment?
RESPONSE: These notes regarding quantities of epoxy will be deleted by amendment. Contract requires extraordinary procedures to eliminate concrete shrinkage cracks. Any shrinkage cracks that develop after the new concrete floor slab has been cured will be considered the responsibility of the contractor to repair by epoxy injection. The contractor will be required to determine the amount of epoxy required to repair shrinkage cracks. Existing walls are not expected to have shrinkage cracks that cause water leaks.

7. Section 03300, 1.7.3 mentions that Air Entrainment shall be required. Section 03300, 2.3.1 mentions that Air-Entrainment Admixture shall not be used. Section 03300, 3.14.4 and 3.14.5 mention the use of Air-Entrainment agents or admixture. Please indicate which spec is the required.
RESPONSE: The following paragraph is being added to Section 03300: "1.8.3 Air Entrainment. All normal weight concrete shall be air entrained to contain between 4 and 7 percent total air, except that when the nominal maximum size coarse aggregate is 3/4 inch or smaller it shall be between 3.5 and 5.5 percent. Concrete with specified strength over 5000 psi may have 1.0 percent less air than specified above. Specified air content for normal weight concrete shall be determined in accordace with ASTM C 231." Also, the following will replace the text in Contract Specification 3300, paragraph 2.3.1, Air Entrainment Admixture: "ASTM C 260 and shall consistently entrain the air content in the specified ranges under field conditions."

8. It is our understanding that there are no items required for handover as Government salvage at the existing Cold Storage Warehouse. Is our understanding correct?
RESPONSE: No, amendment AM-0009 contains the salvage requirements .

9. Detail 1 of Drawing A-9 indicates a double layer of 6 mil Polyethylene sheets with tapped or folded staggered joints under the 89 mm thick cement grout layer with the radiant tubing of the Freezer Slab system. On the other hand, the typical slab details shown on Drawing S-2 do not show these sheets. Only a 15 mil Polyolefin Geomembrane is shown as a vapor barrier for the Office, Mechanical and Electrical Rooms. Spec

c. Please Define Hardware Set # 2. Refrigerated Room Manufacturers are requesting this information.
RESPONSE: Per MIL-R-43900B, door hardware shall be of stainless steel. Standard cold storage door hinges shall be furnished on all refrigerated or freezer doors and shall be self-closing type with stainless steel pins and nylon cam type bearings. For sliding doors, ball bearing trolley rollers shall be provided on the overhead track. Hardware, overhead track and floor guides shall be stainless steel. The door latch and striker shall be of the adjustable type and shall be provisions for a padlock. The latch shall have provisions for being opened from the inside, when locked from outside, without damage to the door latch assembly. Safety release is required for both swing and slide type doors.

45. Water Tanks: Will the government provide at no cost all the water required for testing the tanks and for the construction as well?
RESPONSE: An amendment will state that utilities metering for the Repair Water Tanks project is not required. Water for the testing of the tanks will not be charged to the contractor.

46. Cold Storage Ice makers:

a. Type = cubes, crushed, or tube?
RESPONSE: Tube Ice.

b. Is the bagger to be part of the storage bin or a separate piece of equipment?
RESPONSE: Bagger is attached to the ice storage bin.

c. Capacity of bagger?
RESPONSE: Bagger should be setup to fill 20 lb bags of ice, but should be capable of filling 10 to 50 lb bags.

d. Are there any physical size requirements/restrictions for this equipment?
RESPONSE: Ice making capacities and storage are included in the Mechanical Equipment Schedules on the drawings. Equipment furnished must fit in the allotted space.

e. Any more information available i.e. similar make & model?
RESPONSE: Equipment used for the design was Vogt and Mannhardt.

47. Cold Storage rooms:

a. Finish/color (insulated panels)?
RESPONSE: See Specs. Reference to MIL-R-43900B. Patterned .04 inch thick aluminum.

b. Hardware requirements for all doors?
RESPONSE: For non-clad storage room doors see spec section 8700 paragraph 3.2 hardware sets. For cold storage room doors see attachment (from Specs-Intact) MIL-R-43900B.

c. Please verify the details and requirements for door D-17 (that type of door is not available as fire rated)?
RESPONSE: Details and requirements per attached MIL-R-43900B. Fire rated cold storage room doors are available. See attached catalog as example.

DICK-PACIFIC CONSTRUCTION QUESTION:

48. The Loads given on S-1 Design Criteria D. Design load a. Roof Dead Load of 1.6kpa (32psf) does this include the mechanical load given on S-9 Detail 2 max. Total Service Weight 8.8kn (2,000 lbs)?. If to use the max. weight at all locations this would add 3.05kpa (61.5psf) over and above the given Roof Dead Load.
RESPONSE: The Roof Dead Load on Sheet S-1 includes the roof dead loads except the double tee self weight and topping weight. The intent of the maximum concentrated load given on Sheet S-9, Detail 2, is to provide a maximum limit on the amount of concentrated load at a typical anchor.

NELSON REFRIGERATION QUESTION:

49. Reference Shts M-18 & M-19. On Sht M18, the capacity requirement for all the unit coolers calculate out to be 1,104,171 btu (medium temp racks) and 605,202 btu (low temp racks). On Sht M19, the commpessor rack schedule show the medium temp racks @ 176 kw or 600,688 btu and the low temp rack has a requirement of 324 kw ir 1,105,812 btu. The loads been switched from page M18 to page M19. Which one is correct?
RESPONSE: The equipment schedule on sheet M-19 was revised and will be provided in an amendment to reflect capacities comparable with sheet M-18.

BLACK CONSTRUCTION QUESTIONS:

50. Must materials be made to the exact metric dimensions given or can material be supplied in closest U. S. inches/feet?
RESPONSE: Where particular building materials in hard metric units are not manufactured, same materials of inch-pound measurements may be converted to soft metrics.

51. Who is responsible for the installation? That is, is the bidder supplying the material with others being responsible for its installation?
RESPONSE: Contractor is ultimately responsible for the installation of pallet storage racks. The Contractor may use bidder supplying the materials or others.

RESPONSE: The section cut shown through the WF-1 footing along line H is a similar section to 1-S5-S3, and is noted on plan as "SIM".

76. Foundation Plan Sheet S-5, Line 2, shows footing type WR-2. The section symbols at Line 2, 4-S5-S3 refer to a type WF-3. Please verify.
RESPONSE: The section cut shown through the WF-2 footing along line 2 is a similar section to 1-S5-S3, and is noted on plan as "SIM".

77. Please clarify Amendment 0002 revised drawings Water Tanks Sheet C-1, A-2, M-1, E-1, E-2, E-3, E-4, and E-5.
RESPONSE: That list shown on page 3 of 4 on the Standard Form 30 was an error and does not apply to either project. Please disregard it.

BLACK CONSTRUCTION QUESTIONS:

78. Are PM&O Lines allowed to carry cargo to Kwajalein for this particular project?
RESPONSE: PM&O has permission to enter Kwajalein. It is a non-U.S. flag carrier, so compliance with U.S. cargo preference laws is required.

79. What does the term USCO3 refer to?
RESPONSE: To be determined.

DICK-PACIFIC CONSTRUCTION QUESTIONS:

80. Specification section 02754 Concrete Pavement for small projects: Please clarify if this really the intent of the engineer to use Paver-Finisher machine as described on Par 1.6.4 thru 1.6.4.3. The reinforcement of the concrete pavement shown on detail 20 & 21 C-8 must be place both ways, and the use of paver machine probably won't work. Please advise if other alternate method of placing/finishing of concrete pavement is acceptable e.g. portable screeder machine.
RESPONSE: The Contractor will be allowed to use a portable screeder machine on reinforced concrete sections as an alternate.

81 Specification 03300 AM-0006 page 32, par.3.10: Areas "as indicated on the drawings" shall be treated with floor hardener. As we reviewed the drawings, floor hardener are not called-out in the drawings. Please clarify if floor hardener require to entire floor slab of cold storage building.
RESPONSE: Only rooms 15 through 24 will require floor hardener treatment.

CLOSE CONSTRUCTION QUESTION:

82. Our review of the Laboratory Report issued in AM-0004 has noted the following discrepancy: Spec Section 13280, para 1.3.1(a) on page 10 refers to Table 1 on page 10 & 11 of report and also a table 2. The HUB Testing Lab report does not contain these tables. We contacted Fredrick Boyle at HUB Testing. He has no reference to these noted tables. Please advise.

RESPONSE: The Tables referenced in paragraph 1.3.1.a of section 13280 is contained in the Brewer Environmental Services report, not the HUB report.

SAN JUAN CONSTRUCTION QUESTION:

82. Water Tank Spec Section 03300, Para 3.2.1.1 requires a minimum 75 cy/hr batching capacity. Cold Storage Facility Spec. Section 03300, Para 3.2.1.1 requires a minimum 24 cm/hr batching capacity. We believe each tank foundation can be placed in one work shift, utilizing a 30 cy/hr batching capacity poant. No cold joints would result. Can Corps of Engineers change the Water Tank Spec. to 30 cy/hr? A substantial savings could be realized.

RESPONSE: A smaller capacity batching plant may be used if certified by the contractor to be capable of a single nighttime monolithic concrete placement. See revised specs.

LIST OF DRAWINGS
Drawings Dated 9/12/01

RING NO.	DRAWING NO.	SHT NO.	TITLE	REVISION STATUS
FY01 RDT&E REPAIR WATER TANKS KWAJALEIN, USAKA				
			TITLE	
1	841-21-01	T-1	TITLE SHEET	a, b
			STRUCTURAL	
2	841-21-01	S-1	DEMOLITION PLAN AND DETAILS	a
3	841-21-01	S-2	REPAIR PLAN, SECTIONS, AND DETAILS	a, b
4	841-21-01	S-3	FLOOR SLAB DETAILS	a
5	841-21-01	S-4	STRUCTURAL NOTES	a, b
6	841-21-01	S-5	REFERENCE ASBUILT DRAWING	
7	841-21-01	S-6	REFERENCE ASBUILT DRAWING	
8	841-21-01	S-7	REFERENCE ASBUILT DRAWING	
9	841-21-01	S-8	REFERENCE ASBUILT DRAWING	
10	841-21-01	S-9	REFERENCE ASBUILT DRAWING	
			MECHANICAL	
11	841-21-01	M-1	PIPE REMOVAL PLAN, NEW PIPING PLAN, DETAIL AND NOTES	a, b

SECTION TABLE OF CONTENTS

DIVISION 02 - SITE WORK

SECTION 02754

CONCRETE PAVEMENTS FOR SMALL PROJECTS

lane. The paver-finisher shall be equipped with a transversely oscillating screed or an extrusion plate to shape, compact, and smooth the surface.

1.6.4.1 Paver-Finisher with Fixed Forms

The paver-finisher shall be equipped with wheels designed to ride the forms, keep it aligned with the forms, and to spread the preventing deformation of the forms.

1.6.4.2 Slipform Paver-Finisher

The slipform paver-finisher shall be automatically controlled and crawler mounted with padded tracks. Horizontal alignment shall be electronically referenced to a taut wire guideline. Vertical alignment shall be electronically referenced on both sides of the paver to a taut wire guideline, to an approved laser control system, or to a ski operating on a completed lane. Control from a slope-adjustment control or control operating from the underlying material shall not be used.

1.6.4.3 Other Types of Finishing Equipment

Bridge deck finishers shall be used for pavements 250 mm or less in thickness, or in reinforced pavement sections, where longitudinal and transverse surface smoothness tolerances are 6.5 mm or greater. Clary screeds or other rotating tube floats will not be allowed on the project.

1.6.5 Curing Equipment

Equipment for curing is specified in paragraph CURING.

1.6.6 Texturing Equipment

Texturing equipment shall be as specified below.

1.6.6.1 Fabric Drag

A fabric drag shall consist of a piece of fabric material as wide as the lane width securely attached to a separate wheel mounted frame spanning the paving lane or to one of the other similar pieces of equipment. The material shall be wide enough to provide 300 to 450 mm dragging flat on the pavement surface. The fabric material shall be clean, reasonably new burlap, kept clean and saturated during use

1.6.7 Sawing Equipment

Equipment for sawing joints and for other similar sawing of concrete shall be standard diamond-tip-bladed concrete saws mounted on a wheeled chassis.

1.6.8 Straightedge

The Contractor shall furnish and maintain at the job site one 4 m straightedge for testing concrete surface smoothness. The straightedge shall be constructed of aluminum or magnesium alloy and shall have blades of box or box-girder cross section with flat bottom, adequately reinforced to insure rigidity and accuracy. Straightedges shall have handles for operation on the pavement.

PART 2 PRODUCTS

SECTION TABLE OF CONTENTS

DIVISION 11 - EQUIPMENT

SECTION 11551

PALLET STORAGE RACKS

-- End of Section Table of Contents --

shall certify that all delivered rack components are those for which the registered professional engineer has provided certification.

1.3 DESIGN REQUIREMENTS

1.3.1 Design Criteria

Design pallet storage racks to meet the requirements of the "RMI Specification for the Design, Testing, and Utilization of Industrial Steel Storage Racks," and "RMI Manual of Safety Practices," except as supplemented herein.

1.3.1.1 Rack Type

Selective Pallet Rack, single entry.

1.3.1.2 Earthquake

Seismic Protection: Seismic Zone 1. Meet requirements of the Uniform Building Code to resist lateral seismic forces. Seismic loads shall not be transferred to building walls.

1.3.1.3 In-Rack Sprinklers

Coordinate with Section 13930 WET PIPE SPRINKLER SYSTEM, FIRE PROTECTION.

1.3.2 Storage Requirements

a. Pallet Load Capacity - 1634 kg minimum

b. Standard pallet size - 1016 mm by 1219 mm; maximum allowable load dimension with material overhang - 1090 mm by 1346 mm.

c. Standard load beam length - 2286 mm for double opening pallet shelf.

d. Flue spacing between back to back racks shall be 300 mm. Provide minimum of two rack to rack ties.

1.4 DELIVERY AND STORAGE

Deliver, store, and handle manufactured items so that they will not be damaged or deformed.

PART 2 PRODUCTS

2.1 MATERIALS

2.1.1 Upright Frames

a. Materials: Form from hot or cold rolled steel of structural quality conforming to the chemical and mechanical requirements of AISI Cold-Formed Spec or AISC MO15L. Steel shall have a yield strength of not less than 310 MPa.

b. Aisle-Side Post Minimum Section: The aisle-side post section shall be a minimum of 75 mm by 75 mm, open back, 2.5 mm cold

SECTION TABLE OF CONTENTS

DIVISION 13 - SPECIAL CONSTRUCTION

SECTION 13280

ASBESTOS ABATEMENT

contact of ACM, rather than disturbance, could there be a Class IV classification.

qq. Surfacing ACM: Asbestos-containing material which contains more than 1% asbestos and is sprayed-on, troweled-on, or otherwise applied to surfaces, such as acoustical plaster on ceilings and fireproofing materials on structural members, or other materials on surfaces for acoustical, fireproofing, or other purposes.

rr. Thermal system insulation (TSI) ACM: ACM which contains more than 1% asbestos and is applied to pipes, fittings, boilers, breeching, tanks, ducts, or other interior structural components to prevent heat loss or gain or water condensation.

ss. Transite: A generic name for asbestos cement wallboard and pipe.

tt. Worker: Individual (not designated as the Competent Person or a supervisor) who performs asbestos work and has completed asbestos worker training required by 29 CFR 1926, Section .1101, to include EPA Model Accreditation Plan (MAP) "Worker" training; accreditation required by 40 CFR 763, Subpart E, Appendix C, if required by the OSHA Class of work to be performed or by the state where the work is to be performed.

1.3 DESCRIPTION OF WORK

The work covered by this section includes the removal of asbestos-containing materials (ACM) which are encountered prior to demolition activities associated with this project and describes procedures and equipment required to protect workers and occupants of the regulated area from contact with airborne asbestos fibers and ACM dust and debris. Activities include OSHA Class I and Class II work operations involving ACM. The work also includes containment, storage, transportation and disposal of the generated ACM wastes. More specific operational procedures shall be detailed in the required Accident Prevention Plan and its subcomponents, the Asbestos Hazard Abatement Plan and Activity Hazard Analyses required in paragraph SAFETY AND HEALTH PROGRAM AND PLANS.

1.3.1 Abatement Work Tasks

The specific ACM to be abated is identified on the detailed plans and project drawings. A summary of work task data elements for each individual ACM abatement work task to include the appropriate RESPONSE ACTION DETAIL SHEET (item to be abated and methods to be used) and SET-UP DETAIL SHEETS (containment techniques to include safety precautions and methods) is included in Table 1, "Individual Work Task Data Elements" at the end of this section.

a. See attached HUB Testing Laboratories, Asbestos Survey Report and the Brewer Environmental Services (BES), Limited Asbestos and Lead-Containing Paint Survey, Polychlorinated Biphenyl & Mercury Inspection Report. Tables 1 and 2, on pages 10 and 11, of the BES report summarize the samples collected by BES.

1.3.2 Unexpected Discovery of Asbestos

For any previously untested building components suspected to contain asbestos and located in areas impacted by the work, the Contractor shall