

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT				1. CONTRACT ID CODE	1
2. AMENDMENT/MODIFICATION NO. 1	3. EFFECTIVE DATE 15-Feb-01	4. REQUISITION/PURCHASE REQ. NO.	5. PROJECT NO. (if applicable)		
6. ISSUED BY CODE		7. ADMINISTERED BY (if other than item 6) CODE			
US Army Engineering District, Kansas 757 Federal Building, 601 East 12th Street Kansas City, Missouri 64106-2896					
8. NAME AND ADDRESS OF CONTRACTOR (No. street, county, State and ZIP Code)				9a. AMENDMENT OF SOLICITATION NO. DAQA41-02-R-0002	
				X 9B. DATED (SEE ITEM 7 I) 06-Feb-02	
				10A. MODIFICATION OF CONTRACT/ORDER NO.	
CODE				10B. DATED (SEE ITEM 7 I)	
FACILITY CODE					
11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS					
<input checked="" type="checkbox"/> The above number solicitation is amended as set forth in item 14. The hour and date specified for receipt of Offers is extended. <input type="checkbox"/> is extended. <input checked="" type="checkbox"/> 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 return 1 copy of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or teletype 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 teletype or letter, provided exact teletype 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.					
<input checked="" type="checkbox"/> 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.					
<input type="checkbox"/> B. THE ABOVE NUMBER CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in pricing office, appropriation data, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF:					
<input type="checkbox"/> C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:					
<input type="checkbox"/> D. OTHER (Specify type of modification and authority)					
E. IMPORTANT: Contractor <input type="checkbox"/> is not, <input type="checkbox"/> is required to sign this document and return copies to the issuing office.					
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF action headings, including solicitation/contract subject matter where feasible.) PROJECT: Modified Record Fire Range, Combat Pistol Range and 25-Meter Zero Firing Range, PN 006424 LOCATION: Fort Riley, Kansas					
1. This Solicitation is amended in accordance with the attached pages. Offers will be received until 2:00 pm, 6 March 2002, in Room 757, Federal Building, 601 East 12th Street, Kansas City, Missouri, 64106-289					
Except as provided herein, all terms and conditions of the document referenced in item 9A or 10A, as heretofore changes, 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 (Signature of person authorized to sign)		15C. DATE SIGNED	16B. UNITED STATES OF AMERICA BY (Signature of Contracting Officer)		16C. DATE SIGNED
NSN 7540-01-152-8070		30-105		STANDARD FORM 30 (REV. 10-93)	
PREVIOUS EDITION UNUSABLE		Prescribed by GSA FAR (48 CFR) 53.243			

1. SOLICITATION NO. DACA41-02-R-0002 is amended as follows:

a. SPECIFICATIONS:

(1) Revised Pages: The following pages are deleted and replaced with revised pages of the same number. A copy of each revised page accompanies this amendment.

PART A – RFP GENERAL
PROPOSAL REQUIREMENTS, CONTRACT FORMS, AND CONDITIONS OF THE CONTRACT
1 of 75 (SF1442-1)
3 of 75
4 of 75
5 of 75
14 of 75
15 of 75
24 of 75
25 of 75
51 of 75

PART A – RFP GENERAL
DESIGN / BUILD REQUIREMENTS
01100-1
01130-4

(2) Reissued Pages: The following pages are reissued without change. A copy of each reissued page accompanies this amendment.

PART A – RFP GENERAL
PROPOSAL REQUIREMENTS, CONTRACT FORMS, AND CONDITIONS OF THE CONTRACT
2 of 75 (SF1442-2)

PART B – GENERAL DESIGN REQUIREMENTS
Chapter 4 - Survey Requirements – Page 4-8 / Table 1: Triservices Standards Level Attributes
Chapter 4 - Survey Requirements – Page 4-9 / Table 2: Survey Arrowhead, Scale
Chapter 4 - Survey Requirements – Page 4-10 / Table 3: Triservices Standards

(3) Revised Sections: The following sections are deleted and replaced with revised sections. A copy of each revised section accompanies this amendment.

PART B – GENERAL DESIGN REQUIREMENTS
Chapter 7 – Mechanical Systems
Chapter 9 – Sustainable Design

(4) Wage Rates: PART A – RFP General: Modification No. 5, dated 16 November 2002, is added to Department of Labor General Wage Decision Number KS 01 0011. A copy of Modification No. 5 accompanies this amendment.

2. For convenience, on the revised specification pages, essential changes from the previous issue have been emphasized as follows, however, all portions of the revised specification pages shall apply whether or not changes have been indicated:
 - a. Changes within a paragraph are underlined.
 - b. New words or sentences, within a paragraph, are underlined.
 - c. When an entire paragraph was deleted, the word "Deleted" is underlined and inserted after the paragraph number.
3. Offerors are required to acknowledge receipt of this amendment on the Proposal Form, in the space provided, or by separate letter or telegram prior to receipt of offers. Failure to acknowledge all amendments may cause rejection of the offer.
4. Offers will be received until 2:00 p.m. local time at place of receipt of offers, 6 March 2002 in Room 757, Federal Building, 601 E. 12th Street, Kansas City, Missouri 64106-2896.

Encls

Spec pages as listed

SOLICITATION, OFFER, AND AWARD <i>(Construction, Alteration, or Repair)</i>		1. SOLICITATION NO.	2. TYPE OF SOLICITATION	3. DATE ISSUED	PAGE OF	PAGES
		DACA41-02-R-0002	<input type="checkbox"/> SEALED BID (IFB) <input checked="" type="checkbox"/> NEGOTIATED (RFP)	2/6/2002	1	75
IMPORTANT - The "offer" section on the reverse must be fully completed by offeror.						
4.	5. REQUISITION/PURCHASE REQUEST NO.		6. PROJECT NO.			
	W53XUW-1313-5206		PN 06424			
7. ISSUED BY	CODE	8. ADDRESS OFFER TO				
U.S. Army Engineer District, Kansas City 760 Federal Building, 601 E. 12th Street Kansas City, Missouri 64106-2896		See Item 7				
Tel: (816) 953-3821 Fax: (816) 420-5777						
9. FOR INFORMATION CALL:	A. NAME	B. TELEPHONE NO. (include area code)		C. (NO COLLECT CALLS)		
	Perry Marks, Jr.	816-883-3850 Ext				

SOLICITATION

NOTE: In sealed bid solicitation "offer" and "offeror" mean "bid" and "bidder".

10. THE GOVERNMENT REQUIRES PERFORMANCE OF THE WORK DESCRIBED IN THESE DOCUMENTS (Title, identifying no., date):

Modified Record Fire Range, Combat Pistol Range and 25-Meter Zero Fire Range, PN 006424
Fort Riley, Kansas

Construction of Modified Record Firing Range, Combat Pistol Range, and 25-Meter Zero Fire Range, at Fort Riley,

Kansas. Support facilities include construction of entrance roads to the range areas, electric service, storm drainage, subsurface deduoding, gravel and asphalt roads and parking, signs and barricades, information systems, seeding, grading, demolition and other site improvements. The Modified Record Firing Range includes a two-story control tower, ammo breakdown building, classroom range building, dual-sex field latrine, and covered training area. The Combat Pistol Range includes facilities for a one-story control tower, ammo breakdown building, classroom range building, dual-sex field latrine, and a covered training area. The 25-Meter Zero Firing Range includes a one-story control tower, ammo breakdown building and covered training area. Range are standardized and are equipped with modernized target systems and designed in accordance with Remote Target System (RETS) Equipped Ranges HNDM 1110-1-5. Options include galvanized finishes, a covered training area, and paving of roads & parking areas.

11. The Contractor shall begin performance within <u>10</u> calendar days and complete it within <u>365</u> calendar days after receiving <input type="checkbox"/> award <input checked="" type="checkbox"/> notice to proceed. This performance period is <input checked="" type="checkbox"/> mandatory, <input type="checkbox"/> negotiable. ()	
12A. THE CONTRACTOR MUST FURNISH ANY REQUIRED PERFORMANCE AND PAYMENT BONDS? (If "YES", indicate within how many calendar days after award in Item 12B.) <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	12B. CALENDAR DAYS 10
13. ADDITIONAL SOLICITATION REQUIREMENTS:	
A. Sealed offers in original and <u>6</u> copies to perform the work required are due at the place specified in Item 8 by <u>14:00</u> (hour) local time <u>3/6/2002</u> (date). If this is a sealed bid solicitation, offers will be publicly opened at that time. Sealed envelopes containing offers shall be marked to show the offeror's name and address, the solicitation number, and the date and time offers are due.	
B. An offer guarantee <input checked="" type="checkbox"/> is, <input type="checkbox"/> is not required. NOT TO EXCEED <u>20%</u> OF TOTAL BID AMOUNT	
C. All offers are subject to the (1) work requirements, and (2) other provisions and clauses incorporated in the solicitation in full text or by reference.	
D. Offers providing less than <u>90</u> calendar days for Government acceptance after the date offers are due will not be considered and will be rejected.	

00010-1

DACA41-02-R-0002-0001 OFFER (Must be fully completed by offeror)

14. NAME AND ADDRESS OF OFFEROR (Include ZIP Code)		15. TELEPHONE NO. (Include area code)	
		(FAX #)	
DUNS NO: CODE FACILITY CODE		16. REMITTANCE ADDRESS (Include only if different from item 14)	

17. The offeror agrees to perform the work required at the prices specified below in strict accordance with the terms of this solicitation, if this offer is accepted by the Government in writing within _____ calendar days after the date offers are due. (Insert any number equal to or greater than the minimum requirement stated in item 13D. Failure to insert any number means the offeror accepts the minimum in item 13D.)

AMOUNTS: SEE SCHEDULE OF PRICES

18. The offeror agrees to furnish any required performance and payment bonds.

19. ACKNOWLEDGEMENT OF AMENDMENTS

(The offeror acknowledges receipt of amendments to the solicitation - give number and date of each)

AMENDMENT NO.							
DATE							

20A. NAME AND TITLE OF PERSON AUTHORIZED TO SIGN OFFER (Type or print)	20B. SIGNATURE	20C. OFFER DATE
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AWARD (To be completed by Government)

21. ITEMS ACCEPTED

22. AMOUNT	23. ACCOUNTING AND APPROPRIATION DATA
24. SUBMIT INVOICES TO ADDRESS SHOWN IN ITEM (4 copies unless otherwise specified)	25. OTHER THAN FULL AND OPEN COMPETITION PURSUANT TO
26. ADMINISTERED BY CODE	<input type="checkbox"/> 10 U.S.C. 2304(c) () <input type="checkbox"/> 41 U.S.C. 253(c) ()

27. PAYMENT WILL BE MADE BY

CONTRACTING OFFICER WILL COMPLETE ITEM 28 OR 29 AS APPLICABLE

<input type="checkbox"/> 28. NEGOTIATED AGREEMENT (Contractor is required to sign this document and return _____ copies to issuing office.) Contractor agrees to furnish and deliver all items or perform all work requirements identified on this form and any continuation sheets for the consideration stated in this contract. The rights and obligations of the parties to this contract shall be governed by (a) this contract award, (b) the solicitation, and (c) the clauses, representations, certifications, and specifications incorporated by reference in or attached to this contract.	<input type="checkbox"/> 29. AWARD (Contractor is not required to sign this document) Your offer on this solicitation is hereby accepted as to the items listed. This award constitutes the contract, which consists of (a) the Government solicitation and your offer, and (b) this contract award. No further contractual document is necessary.
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30A. NAME AND TITLE OF CONTRACTOR OR PERSON AUTHORIZED TO SIGN (Type or print)	31A. NAME OF CONTRACTING OFFICER (Type or print)
30B. SIGNATURE	31b. UNITED STATES OF AMERICA
	31C. AWARD DATE

SECTION 00010 Solicitation Contract Form

PRICE SCHEDULE

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0001	DESIGN WORK	1.0	Lump Sum		\$ _____
0002	SITE WORK	1.0	Lump Sum		\$ _____
0003	<u>MODIFIED RECORD FIRE RANGE:</u>				
0003AA	OBSERVATION TOWER	1.0	Lump Sum		\$ _____
0003AB	AMMO BREAKDOWN BUILDING	1.0	Lump Sum		\$ _____
0003AC	CLASSROOM RANGE BUILDING	1.0	Lump Sum		\$ _____
0003AD	<u>COVERED TRAINING AREA</u>	1.0	Lump Sum		\$ _____
0003AE	FIELD LATRINE	1.0	Lump Sum		\$ _____
0003AF	TARGET EMPLACEMENTS	1.0	Lump Sum		\$ _____
0004	<u>COMBAT PISTOL RANGE:</u>				
0004AA	OBSERVATION TOWER	1.0	Lump Sum		\$ _____
0004AB	AMMO BREAKDOWN BUILDING	1.0	Lump Sum		\$ _____
0004AC	CLASSROOM RANGE BUILDING	1.0	Lump Sum		\$ _____
0004AD	<u>COVERED TRAINING AREA</u>	1.0	Lump Sum		\$ _____
0004AE	FIELD LATRINE	1.0	Lump Sum		\$ _____
0004AF	TARGET EMPLACEMENTS	1.0	Lump Sum		\$ _____

PRICE SCHEDULE (Cont'd)

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0005	<u>25-METER ZERO FIRE RANGE:</u>				
0005AA	OBSERVATION TOWER	1.0	Lump Sum		\$ _____
0005AB	AMMO BREAKDOWN BUILDING	1.0	Lump Sum		\$ _____
0005AC	TARGET EMPLACEMENTS	1.0	Lump Sum		\$ _____
0006	FINAL AS-BUILT DRAWINGS AND O&M MANUALS	1.0	Lump Sum		\$ 17,000.00
0007	OPTION - GALVANIZED FINISH	1.0	Lump Sum		\$ _____
0008	OPTION - PAVED PARKING AREA	1.0	Lump Sum		\$ _____
0009	OPTION - ACCESS ROADS	1.0	Lump Sum		\$ _____
0010	OPTION - COVERED TRAINING AREA AT 25-METER ZERO FIRE RANGE	1.0	Lump Sum		\$ _____
				TOTAL	\$ _____

COST LIMITATION – TARGET CEILING (JUNE 1999)

The target ceiling for contract award for design and construction is \$3,500,000, based on the funds made available for this project. The Government cannot guarantee that additional funds will be made available for award. Offerors are under no obligation to approach this ceiling.

(End of Clause)

are urged and expected to inspect the site where the work will be performed.

(b) An organized site visit has been scheduled for--
15 Feb 2002 at 10:00 a.m.

(c) Participants will meet at--
Fort Riley Public Works Classroom
Building 337
Fort Riley, KS 66442

(d) Point of Contact is - Mike Istas, Project Engineer 785-239-6461.

(e) Be aware of increased security measures in effect. Valid photo ID and proof of auto registration/insurance is required. Allow extra time to clear security checkpoints.

(f) This will be the only opportunity to visit the site prior to the award. No other site visit is scheduled for this solicitation. Individual or self-guided site visits will not be allowed.

(g) Questions regarding this solicitation may be submitted prior to, or during, the organized site visit. Questions may be submitted in advance by e-mail to Robert.E.Smith@usace.army.mil. Questions submitted the day of the site visit must be in writing. There will be a Q&A session at the end of the site visit when the submitted questions will be read aloud and answered, if possible. After the Q&A session, any questions requiring further research will be answered and a Q&A document, consisting of all questions and answers, will be posted to the public web site for the solicitation at www.nwk.usace.army.mil. This procedure will ensure that all parties have access to the questions and answers.

52.236-28 PREPARATION OF PROPOSALS--CONSTRUCTION (OCT 1997)

(a) Proposals must be (1) submitted on the forms furnished by the Government or on copies of those forms, and (2) manually signed. The person signing a proposal must initial each erasure or change appearing on any proposal form.

(b) The proposal form may require offerors to submit proposed prices for one or more items on various bases, including--

(1) Lump sum price;

(2) Alternate prices;

(3) Units of construction; or

(4) Any combination of paragraphs (b)(1) through (b)(3) of this provision.

(c) If the solicitation requires submission of a proposal on all items, failure to do so may result in the proposal being rejected without further consideration. If a proposal on all items is not required, offerors should insert the words "no proposal" in the space provided for any item on which no price is submitted.

(d) Alternate proposals will not be considered unless this solicitation authorizes their submission.

(End of provision)

52.252-1 SOLICITATION PROVISIONS INCORPORATED BY REFERENCE (FEB 1998)

SECTION 00100 Bidding Schedule/Instructions to Bidders

CLAUSES INCORPORATED BY REFERENCE:

52.204-6	Data Universal Numbering System (DUNS) Number	JUN 1999
52.211-6	Brand Name or Equal	AUG 1999
52.211-14	Notice Of Priority Rating For National Defense Use	SEP 1990

CLAUSES INCORPORATED BY FULL TEXT

THE MAGNITUDE OF THE PROJECT IS REPRESENTED BY THE FOLLOWING ESTIMATED PRICE RANGE (FAR 36.204): Between \$1 Million and \$5 Million.
52.214-5000 ARITHMETIC DISCREPANCIES (MAR 1995)

- (a) For the purpose of initial evaluation of proposals, the following will be utilized in resolving arithmetic discrepancies found on the face of the price schedule as submitted by the offeror:
- (1) Obviously misplaced decimal points will be corrected;
 - (2) Discrepancy between unit price and extended price, the unit price will govern;
 - (3) Apparent errors in extension of unit prices will be corrected;
 - (4) Apparent errors in addition of lump-sum and extended prices will be corrected.
- (b) For the purpose of price proposal evaluation, the Government will proceed on the assumption that the offeror intends his proposal to be evaluated on the basis of the unit prices, the totals arrived at by resolution of arithmetic discrepancies as provided above and the proposal will be so reflected on the abstract of proposals.
- (c) These correction procedures shall not be used to resolve any ambiguity concerning which price proposal is low.

(End of Statement)

52.215-1 INSTRUCTIONS TO OFFERORS--COMPETITIVE ACQUISITION (MAY 2001)

(a) Definitions. As used in this provision--

"Discussions" are negotiations that occur after establishment of the competitive range that may, at the Contracting Officer's discretion, result in the offeror being allowed to revise its proposal.

In writing, writing, or written means any worded or numbered expression that can be read, reproduced, and later communicated, and includes electronically transmitted and stored information.

"Proposal modification" is a change made to a proposal before the solicitation's closing date and time, or made in response to an amendment, or made to correct a mistake at any time before award.

"Proposal revision" is a change to a proposal made after the solicitation closing date, at the request of or as allowed by a Contracting Officer as the result of negotiations.

"Time", if stated as a number of days, is calculated using calendar days, unless otherwise specified, and will include Saturdays, Sundays, and legal holidays. However, if the last day falls on a Saturday, Sunday, or legal holiday, then the period shall include the next working day.

(b) Amendments to solicitations. If this solicitation is amended, all terms and conditions that are not amended remain unchanged. Offerors shall acknowledge receipt of any amendment to this solicitation by the date and time

SECTION 00120

PROPOSAL EVALUATION AND CONTRACT AWARD**1. INFORMAL SOURCE SELECTION PROCESS**

All offers received in response to this solicitation will be evaluated in accordance with informal source selection procedures. The principal objective of this process is to select responsible offerors to be the overall Best Value to the Government, price and other factors considered (the Best Value). The Government reserves the right to consider and evaluate information regarding past performance from sources outside the proposal. The right is reserved to accept other than the lowest price offers and to reject any or all offers. Award may be made to the proposer whose proposal represents the best value to the Government as set forth in Paragraph 4., BASIS FOR AWARD. The process is designed to ensure the impartial, equitable, and comprehensive evaluation of all technically acceptable, responsible proposals received in response to this particular solicitation.

2. SOURCE SELECTION ORGANIZATION.

The source selection organization is established as a separate organization and management chain of command whose only purpose is to accomplish the objective above. The organization consists of a Source Selection Authority (SSA) and a Source Selection Evaluation Board (SSEB). The SSEB is comprised of separate Technical Evaluation and Price Evaluation teams. The organization is designed to ensure active ongoing involvement of appropriate contracting, technical, logistics, legal, price analysis, small business, and other functional staff management expertise.

3. SOURCE SELECTION PROCEDURE.

a. The source selection procedures will begin with an initial review of proposals and continue with a technical and price evaluation conducted by the SSEB. The SSEB shall evaluate the proposals based solely on the evaluation criteria identified in paragraph: Evaluation Factors, below. The results of the SSEB evaluations will be presented to the SSA, who will rank the proposals based on the Best Value to the Government, price and other factors considered. The SSA will either make the final source selection decision or determine whether it is appropriate to engage in clarifications or communication prior to establishment of a competitive range, or to establish a competitive range and conduct discussions with those offerors that are included in the competitive range. The Government intends to award without discussions. All communications leading to establishment of the competitive range will be conducted in accordance with FAR Part 15.306b.

b. If a competitive range is established, discussions will be conducted with offerors who are included in the competitive range. After conclusion of discussions and receipt of final revised technical proposals, the SSEB will complete the evaluation and establish final ratings. Results of the final technical ratings will be presented to the SSA. The SSA shall then rank the proposals based on the Best Value to the Government, price and other factors considered. The SSA will then make the final source selection decision. If appropriate, the SSA will apply the tradeoff process in the Best Value Continuum.

c. The proposals received in response to this RFP will be evaluated utilizing a rating system to select the most advantageous proposal. To be considered acceptable, each offeror shall specifically address each of the evaluation factors listed below. Sufficient detail shall be provided, citing specific data as may be required, such that the proposal may be adequately evaluated. The proposal must show clearly that the offeror has an understanding of the work tasks required and has the capability and responsibility to accomplish the project.

d. The Government is not responsible for information overlooked during the evaluation that is not located in the appropriate proposal section. To ensure that evaluation credit is appropriately received for proposal material submitted, do not incorporate by reference documents not contained in the proposal. References to other sections of the proposal shall be by specific paragraph number (and name, if applicable), page number and section.

4. BASIS FOR AWARD

The Government intends to select, without discussion, the responsible offeror whose proposal conforms to the solicitation and is determined to be the Best Value to the Government in accordance with the following relationship between price and technical merit. The technical evaluation factors, when combined, are considered of more importance to price (see paragraphs below: Relative Weight of Technical Evaluation Criteria; and Price). The closer the total evaluated technical scores of acceptable proposals are to one another, the greater will be the importance of price in making the selection determination. The closer the final price evaluations are to one another, the greater will be the importance of the total evaluated technical scores in making the selection determination.

5. TECHNICAL EVALUATION FACTORS

Evaluation factors are listed below. All factors will be evaluated on the completeness, conciseness, and relevance of information provided. These factors are listed in the order of importance described in paragraph: Relative Weight of Technical Evaluation Criteria.

FACTOR 1. PAST PERFORMANCE.

SUBFACTOR 1a. QUALITY OF PRODUCT AND SERVICES.

SUBFACTOR 1b. CUSTOMER SATISFACTION.

SUBFACTOR 1c. TIMELINESS OF PERFORMANCE.

FACTOR 2. CORPORATE EXPERIENCE.

SUBFACTOR 2a. CONSTRUCTION EXPERIENCE WITH PROJECTS OF SIMILAR TYPE, SIZE, AND COMPLEXITY.

SUBFACTOR 2b. DESIGNER EXPERIENCE WITH PROJECTS OF SIMILAR TYPE, SIZE, AND COMPLEXITY.

FACTOR 3. MANAGEMENT PLAN.

SUBFACTOR 3a. GENERAL MANAGEMENT STRUCTURE AND PLAN.

SUBFACTOR 3b. MANAGEMENT OF MULTIPLE SUBCONTRACTORS INCLUDING DESIGNER ARCHITECT-ENGINEER.

6. RELATIVE WEIGHT OF TECHNICAL EVALUATION CRITERIA

Factor 1 is the most important factor. Within factor 1, subfactor 1a is the most important. Subfactor 1b is slightly less important than subfactor 1a, and subfactor 1c is slightly less important than subfactor 1b.

Factor 2 is less important than factor 1 and equal to factor 3. Within factor 2, subfactor 2a is the most important, and subfactor 2b is slightly less important than subfactor 2a.

Factor 3 is less important than factor one and equal to factor 2. Within factor 3, subfactor 3a is the most important, and subfactor 3b is slightly less important than subfactor 3a.

(1) Standard Form 294, Subcontracting Report for Individual Contracts. This report shall be submitted to the Contracting Officer semiannually and at contract completion. The report covers subcontract award data related to this contract. This report is not required for commercial plans.

(2) Standard Form 295, Summary Subcontract Report. This report encompasses all of the contracts with the awarding agency. It must be submitted semi-annually for contracts with the Department of Defense and annually for contracts with civilian agencies. If the reporting activity is covered by a commercial plan, the reporting activity must report annually all subcontract awards under that plan. All reports submitted at the close of each fiscal year (both individual and commercial plans) shall include a breakout, in the Contractor's format, of subcontract awards, in whole dollars, to small disadvantaged business concerns by North American Industry Classification System (NAICS) Industry Subsector. For a commercial plan, the Contractor may obtain from each of its subcontractors a predominant NAICS Industry Subsector and report all awards to that subcontractor under its predominant NAICS Industry Subsector.

(End of clause)

52.222-15 CERTIFICATION OF ELIGIBILITY (FEB 1988)

(a) By entering into this contract, the Contractor certifies that neither it (nor he or she) nor any person or firm who has an interest in the Contractor's firm is a person or firm ineligible to be awarded Government contracts by virtue of section 3(a) of the Davis-Bacon Act or 29 CFR 5.12(a)(1).

(b) No part of this contract shall be subcontracted to any person or firm ineligible for award of a Government contract by virtue of section 3(a) of the Davis-Bacon Act or 29 CFR 5.12(a)(1).

(c) The penalty for making false statements is prescribed in the U.S. Criminal Code, 18 U.S.C. 1001.

52.222-23 NOTICE OF REQUIREMENT FOR AFFIRMATIVE ACTION TO ENSURE EQUAL EMPLOYMENT OPPORTUNITY FOR CONSTRUCTION (FEB 1999)

(a) The offeror's attention is called to the Equal Opportunity clause and the Affirmative Action Compliance Requirements for Construction clause of this solicitation.

(b) The goals for minority and female participation, expressed in percentage terms for the Contractor's aggregate workforce in each trade on all construction work in the covered area, are as follows:

	Goals for minority participation for each trade	Goals for female participation for each trade
<u>Riley County, KS</u>	6.5%	6.9%

These goals are applicable to all the Contractor's construction work performed in the covered area. If the Contractor performs construction work in a geographical area located outside of the covered area, the Contractor shall apply the goals established for the geographical area where the work is actually performed. Goals are published periodically in the Federal Register in notice form, and these notices may be obtained from any Office of Federal Contract Compliance Programs office.

(c) The Contractor's compliance with Executive Order 11246, as amended, and the regulations in 41 CFR 60-4 shall be based on (1) its implementation of the Equal Opportunity clause, (2) specific affirmative action obligations required by the clause entitled "Affirmative Action Compliance Requirements for Construction," and (3) its efforts to meet the goals. The hours of minority and female employment and training must be substantially uniform throughout the length of the contract, and in each trade. The Contractor shall make a good faith effort to employ minorities and women evenly on each of its projects. The transfer of minority or female employees or trainees from Contractor to Contractor, or from project to project, for the sole purpose of meeting the Contractor's goals shall be a

GENERAL DECISION KS010011 11/16/01 KS11
 General Decision Number KS010011

Superseded General Decision No. KS000011

State: Kansas

Construction Type:
 BUILDING

County(ies):
 RILEY

BUILDING CONSTRUCTION PROJECTS (does not include residential construction consisting of single family homes and apartments up to and including 4 stories)

Modification Number	Publication Date
0	03/02/2001
1	04/13/2001
2	06/01/2001
3	08/10/2001
4	10/26/2001
5	11/16/2001

COUNTY(ies):
 RILEY

PLUM0165A 06/01/2001

	Rates	Fringes
PLUMBERS	24.24	7.35

ROOF0020P 06/01/2001

	Rates	Fringes
ROOFERS	21.01	6.44

* SFKS0669B 04/01/2001

	Rates	Fringes
SPRINKLERFITTERS	25.61	7.00

SHHE0077C 06/01/2001

	Rates	Fringes
SHEETMETAL WORKERS (Including HVAC Duct Work)	23.58	7.34

SUKS1029A 03/01/2000

	Rates	Fringes
BRICKLAYERS	18.00	
CARPENTERS (Including Drywall Hanging and Excluding Insulation, Batt)	12.93	3.01
CEMENT MASONS	11.00	0.44

KS010011

1

11/16/01
 Part A - RFP General

LABORERS:		
Unskilled (Excluding Blown Installation)	8.42	
PAINTER:		
Brush/Roller (Including Drywall Finishing)	11.39	
POWER EQUIPMENT OPERATORS:		
Backhoe	13.19	2.68
Rollers (All Types)	10.53	

WELDERS - Receive rate prescribed for craft performing operation to which welding is incidental.
=====

Unlisted classifications needed for work not included within the scope of the classifications listed may be added after award only as provided in the labor standards contract clauses (29 CFR 5.5(a)(1)(v)).

In the listing above, the "SU" designation means that rates listed under that identifier do not reflect collectively bargained wage and fringe benefit rates. Other designations indicate unions whose rates have been determined to be prevailing.

WAGE DETERMINATION APPEALS PROCESS

1.) Has there been an initial decision in the matter? This can be:

- * an existing published wage determination
- * a survey underlying a wage determination
- * a Wage and Hour Division letter setting forth a position on a wage determination matter
- * a conformance (additional classification and rate) ruling

On survey related matters, initial contact, including requests for summaries of surveys, should be with the Wage and Hour Regional Office for the area in which the survey was conducted because those Regional Offices have responsibility for the Davis-Bacon survey program. If the response from this initial contact is not satisfactory, then the process described in 2.) and 3.) should be followed.

With regard to any other matter not yet ripe for the formal process described here, initial contact should be with the Branch of Construction Wage Determinations. Write to:

Branch of Construction Wage Determinations
Wage and Hour Division
U. S. Department of Labor

200 Constitution Avenue, N. W.
Washington, D. C. 20210

2.) If the answer to the question in 1.) is yes, then an interested party (those affected by the action) can request review and reconsideration from the Wage and Hour Administrator (See 29 CFR Part 1.8 and 29 CFR Part 7). Write to:

Wage and Hour Administrator
U.S. Department of Labor
200 Constitution Avenue, N. W.
Washington, D. C. 20210

The request should be accompanied by a full statement of the interested party's position and by any information (wage payment data, project description, area practice material, etc.) that the requestor considers relevant to the issue.

3.) If the decision of the Administrator is not favorable, an interested party may appeal directly to the Administrative Review Board (formerly the Wage Appeals Board). Write to:

Administrative Review Board
U. S. Department of Labor
200 Constitution Avenue, N. W.
Washington, D. C. 20210

4.) All decisions by the Administrative Review Board are final.
END OF GENERAL DECISION

SECTION 01100

GENERAL

PART 1 GENERAL

1.1 INQUIRIES

Pursuant to SECTION 00100 paragraph titled "Instructions to Offerors--Competitive Acquisition", any inquiries regarding this Invitation, before bids are opened, should be addressed to the District Engineer, Kansas City District, Corps of Engineers, 700 Federal Building, Kansas City, Missouri 64106, ATTN: Mr. Robert Smith. Inquiries for which oral explanation or advice on the plans and specifications will suffice may be referred to Mr. Smith by calling Area Code (816) 983-3277. Telephone calls concerning the mailing of plans and specifications should be made to Contracting Division at Area Code 816-983-3975. Collect telephone calls will not be accepted. (KCDO APR 84)

1.2 INFORMATION REGARDING PROPOSAL MATERIAL

Proposals must be submitted upon Government standard bid form (STANDARD FORM 1442 (Rev. 4-85)). Wherever in the proposal the words "invitation" and "bid" occur, they shall be deemed to refer to "solicitation" and "offer," respectively.

1.3 TIME FOR ACCEPTANCE BY THE GOVERNMENT OF PROPOSALS

All offerors submitting proposals in response to this request agree that the Government shall have not less than 90 days to accept any proposal, after the date indicated for receipt of proposals. In the event the Government cannot award a contract within this 90 day period, any or all proposers may, at their option, extend the date for acceptance of their proposal or may resubmit their price proposals.

1.4 DISPOSAL OF PROPOSALS

After award of the construction contract, proposal sets may be destroyed or may be kept for record. Proposal sets that are kept for records will be for Government use. Disclosure of proposal material, in whole or in part, outside the Government will be restricted only if the provisions of paragraph "Restriction on Disclosure and Use of Data" are in effect.

1.5 SUPERINTENDENCE OF SUBCONTRACTORS

(a) The Contractor shall be required to furnish the following:

(1) If more than 50% and less than 70% of the value of the contract work is subcontracted, one superintendent shall be provided at the site and on the Contractor's payroll to be responsible for coordinating, directing, inspecting and expediting the subcontract work.

(2) If 70% or more of the value of the work is subcontracted, the Contractor shall be required to furnish two such superintendents to be responsible for coordinating, directing, inspecting and expediting the subcontract work.

(b) If the Contracting Officer, at any time after 50% of the subcontracted work has been completed, finds that satisfactory progress is being made, he may waive all or part of the above requirement for additional superintendence subject to the right of the Contracting Officer to reinstate such requirement if at any time during the progress of the remaining work he finds that satisfactory progress is not being made.

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(3) Site grading plans and designs of entrance roads and parking including road profiles, pavement section profiles, ditches, drainage structures, etc.

(4) Site demolition plans of existing buildings to be demolished, utilities, and other site appurtenances.

(5) The foundation plan shall be coordinated with the pre-engineered metal building manufacturer.

5. Design Review Distribution

a. The Contractor shall transmit the 50 percent, 100 percent, and 100 percent back check submittals to the Government agencies and in the quantities indicated below. All documents shall contain an index of contents. The Contractor shall enclose a letter of transmittal with the contract number of each submittal package indicating the type of submittal (e.g., 50 percent design, 100 percent design, 100 percent back check, etc.), the project name and number and the date written comments are due at the Office of the Contracting Officer. Provide copies to the following distribution:

- Six (6) copies of all transmittals shall be sent to the U.S Army Corps of Engineers, Kansas City District, ATTN: CENWK-PM-MM (Robert Smith), 601 E. 12th Street, 700 Federal Building, Kansas City, Missouri 64106-2896
- Three (3) copies to the U.S. Army Corps of Engineers, Fort Riley Area Engineer Office, ATTN: FMRI (Mike Istas), Building 322 Marshall Drive, Fort Riley, Kansas 66442-6016
- Six (6) copies to Fort Riley Public Works, ATTN: AFZN-PW-R (Mike Goreham), Building 330 Dickman Avenue, Fort Riley, Kansas 66442-6016
- One (1) copy to Commander, USAESCH, ATTN: CEHNC-IS-SP (Robert Hasse), 4820 University Square, Huntsville, AL 35816-1822
- One (1) copy to USAISEC-FDEO, ATTN: AMSEL-IE-DE-IN-CO (George Gaffney), 1435 Porter Street, Suite 208, Fort Detrick, Maryland 21702-5047

All submittals shall be transmitted by overnight express mail. One (1) copy of each submittal includes the following: one copy of the half-size set of drawings, one set of specifications, and one design analysis.

b. If for any reason the Government requires more time than stated for review of submittals, the Contractor will be granted an extension of time equal to the number of calendar days of delay.

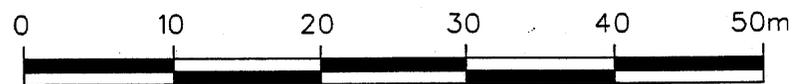
c. Design Review Meetings at 50% and 100% design. Design review meetings shall be held at Fort Riley Area Engineer Office not later than 15 days after receipt of submittal after each non-back check submittal.

d. The Contractor and his representatives involved in the design shall attend. Government personnel will present review comments for discussion and resolution. Copies of comments, annotated with comment action agreed on, will be made available to all parties by the Contractor within 14 calendar days from the conference date. Unresolved problems will be resolved by immediate follow-up action at the end of meetings. In addition to the annotated review comments, the Contractor shall submit copies of a memorandum of the design review meetings, summarizing major decision points and issues, which require resolution and the action office. Valid comments will be incorporated. On receipt of final corrected designs, subsequent to completion of the back check reviews, the Kansas City District will provide formal Government approval necessary to initiate construction. The Government, however, reserves the right to disapprove design document submittals if comments are of too great a significance. In this case, every effort shall be made during follow-up action between the Contractor and the Kansas City District to resolve conflicts and problems such that documents can be fully approved. However, if the final submittal is incomplete or deficient, requiring correction by the Contractor and re-submittal for review

GENERAL DESIGN REQUIREMENTS

~~DATE~~ -02-R-0002 -0001

PLAN
NORTH



SCALE 1 : 500

Table 2: Survey Arrowhead , Scale

GENERAL DESIGN REQUIREMENTS

DACA41 -02-R-0002 -0001

<p>STORM C100-1 (SURVEYED 12/00) TOP EL. 779.103 THROAT EL. 778.124 12" PVC SE F/L OUT EL. 775.30 2 MANHOLE COVERS</p>	<p>STORM D100-10 (SURVEYED 12/00) TOP EL. 788.33 12" RCP NW F/L IN 12" RCP NE F/L IN 24" RCP E F/L IN 24" RCP W F/L OUT INVERT EL. 783.33</p>
<p>STORM C100-2 (SURVEYED 12/00) TOP EL. 779.12 THROAT EL. 778.09 12" RCP S F/L OUT EL. 774.77</p>	<p>STORM C100-11 (SURVEYED 12/00) TOP EL. 789.81 THROAT EL. 789.16 24" RCP E F/L IN UNCERTAIN INLET BOLTED 24" RCP W F/L OUT INVERT EL. 785.32</p>
<p>STORM C100-3 (SURVEYED 12/00) TOP EL. 778.98 THROAT EL. 778.14 12" PVC NW F/L IN EL. 772.42 12" PVC SSW F/L OUT EL. 771.88</p>	<p>STORM C100-12 (SURVEYED 12/00) TOP EL. 786.02 THROAT EL. 785.26 12" RCP NW F/L IN UNCERTAIN OF F/L OUT POSSIBLY SOUTH UNDER HEADWALL INVERT EL. 778.74</p>
<p>STORM C100-4 (SURVEYED 12/00) TOP EL. 778.32 THROAT EL. 777.41 12" CMP SW F/L OUT EL. 774.55</p>	<p>STORM C100-13 (SURVEYED 12/00) TOP EL. 788.08 THROAT EL. 785.43 12" RCP SE F/L OUT INVERT EL. 781.18</p>
<p>STORM C100-5 (SURVEYED 12/00) TOP EL. 778.54 THROAT EL. 777.54 12" PVC NE F/L IN 24" PVC SW F/L OUT INVERT EL. 770.78</p>	<p>STORM C100-14 (SURVEYED 12/00) TOP EL. 784.34 THROAT EL. 783.74 BOLTED NO ACCESS FLOWS TO 1999 SURVEY OF STORM MH *2</p>
<p>STORM C100-7 (SURVEYED 12/00) TOP EL. 780.23 THROAT F/L 779.33 NO INVERTS BOLTED SHUT</p>	<p>STORM C100-15 (SURVEYED 12/00) TOP EL. 784.67 24" RCP S F/L OUT INVERT EL. 771.22 FLOWS TO STORM SEWER MH *2</p>
<p>STORM C100-6 (SURVEYED 12/00) TOP EL. 780.14 THROAT EL. 779.55 NO INVERTS BOLTED SHUT</p>	<p>STORM C100-16 (SURVEYED 12/00) TOP EL. 785.14 THROAT INV. EL. 784.52 12" CMP SE F/L OUT EL. 781.98</p>
<p>STORM D1*7 (RESURVEYED 12/00) TOP EL. 778.60 24" CMP S F/L OUT INVERT EL. 776.59</p>	<p>STORM C100-17 (SURVEYED 12/00) TOP EL. 783.31 THROAT INV EL. 782.48 12" CMP NW F/L IN EL. 777.86 30" CMP S F/L OUT EL. 769.96 FLOWS TO STORM MH *1</p>
<p>STORM C100-8 (SURVEYED 12/00) TOP EL. 789.26 THROAT EL. 788.46 12" RCP SE F/L OUT EL. 785.50</p>	<p>STORM C100-18 (SURVEYED 12/00) TOP EL. 783.00 THROAT 782.30 12" CMP S F/L OUT INVERT EL. 778.88 BOLTED SHUT</p>
<p>STORM C100-9 (SURVEYED 12/00) TOP EL. 788.82 THROAT EL. 788.33 12" RCP SW F/L OUT BOLTED SHUT NO INVERT SURVEYED</p>	<p>STORM MH 00-19 TOP EL. 800.90 SURVEYED 12/00 48" RCP SW F/L IN EL. 794.36 48" RCP NE F/L OUT EL. 789.30</p>

Table 3: Tri-Services Standards Labeling (typical).

**GENERAL DESIGN REQUIREMENTS
CHAPTER 7**

MECHANICAL SYSTEMS

Paragraph	7-1	SCOPE	7-1
	7-2	DESIGN CRITERIA	7-1
	7-3	ASHRAE STANDARD 62 VENTILATION REQUIREMENTS	7-1
	7-4	PROPANE GAS SYSTEMS	7-2
	7-5	HEAT PUMPS	7-2
	7-6	INFRARED HEAT	7-2
	7-7	ELECTRIC HEATER	7-2
	7-8	VENTILATION	7-2
	7-9	AIR CONDITIONING	7-3
	7-10	MISCELLANEOUS ITEMS	7-3
	7-11	PLUMBING	7-3
	7-12	TECHNICAL SPECIFICATIONS	7-3
	7-13	REFERENCES	7-3

GENERAL DESIGN REQUIREMENTS

NOTE: Any reference made to the "standard design" document in this chapter is referring to the U.S. Army Corps of Engineers Design Manual for Remote Target System (RETS) Ranges.

7-1 **SCOPE.** The Project shall consist of three ranges i.e., Modified Record Range, Pistol Range & Zero Range. Buildings in each range are as follows:

Modified Record Range:	Tower, Classroom, Latrines and Ammo
Pistol Range:	Tower, Classroom, Latrines and Ammo
Zero Range:	Tower and Ammo

(Note: The towers of the Pistol & Zero Ranges are one level shorter than the tower of Modified Range.)

7-2 DESIGN CRITERIA

Room	Outdoor Temp		Indoor Temp	
	Winter Degrees C	Summer Degrees C	Winter Degrees C	Summer Degrees C
Tower	16	37 db, 24 wb	10	26
Classroom	16	37 db, 24 wb	16	30
Ammo	16	37 db, 24 wb	10	32
Latrine	16	37 db, 24 wb	10	32
Vault	N/A	N/A	N/A	N/A

Room	Vent/Exhaust	Remarks
Tower	2 people	2 units at a minimum 3 tons each
Classroom	20 air changes per hour	20 ACH summer; 6 ACH winter <u>No A/C required</u>
Ammo	6 air changes per hour	No A/C required
Latrine	2.0 cfm per square foot	No A/C required
Vault	Vault exhaust at 120% of supply	Min ½ hp air compressor for aeration Vault closet shall be stainless steel designed to fit through a six inch concrete slab

GENERAL DESIGN REQUIREMENTS

- 7-3 **ASHRAE Standard 62 Ventilation Requirements**
Ventilation for the instructional buildings, control towers, ammo buildings, and latrines including the vault portion of the latrine shall ensure proper ventilation rates. The classrooms shall not be occupied in excess of 3 hours at a time so a reduction for intermittent occupancy will be allowed.
- 7-4 **Propane Gas Systems**
Propane gas shall be used to heat the instructional buildings and latrine. The propane tank will be a minimum 500-gallon capacity.
- Classroom**
The classroom shall have a propane fired ducted horizontal make-up air unit. Make-up shall be ducted down the length of the classroom with sufficient supply diffusers to effectively cover the entire space. The winter make-up air shall be supplied from the roof through an intake air hood. The intake air hood shall be located approximately three feet before the make-up air intake to the horizontal make-up air unit. Ductwork from the intake air hood shall be supplied vertically through the roof and terminate approximately two feet below the roof level. No direct connection shall be made from the intake air ductwork and the intake to the make-up unit.
- 7-5 **Heat Pumps**
Heat Pumps will be used to heat the towers.
- 7-6 **Infrared Heat**
Infrared heat will be used to heat the towers and latrines. The infrared heat for the towers will be used as supplemental heat to a heat pump, which serve as the primary heat. The infrared heater for the tower and the latrines will be electric.
- 7-7 **Electric heater**
Provide an electric heater to heat the ammo building of each range.
- 7-8 **Ventilation**
Classroom
The instructional buildings shall be provided with two summer intake louvers approximately one foot from the ground level. Both intake air louvers shall provide a total of 20 ACH summer ventilation. The summer exhaust fan shall be thermostatically controlled and located as far as possible from the summer intake air louvers. The summer intake air louvers shall be interlocked with its summer exhaust fan.

There shall also be a winter exhaust fan. A 6 ACH winter exhaust fan shall be located as far as possible from the winter intake air louver on the opposite end of the classroom. Refer to 7-4 above for winter intake air hood. The winter exhaust shall operate only when a wall mounted switch is engaged.

GENERAL DESIGN REQUIREMENTS

Both summer and winter exhaust fans shall operate to produce no more than 30 NC. Maximum RPM of each exhaust fan shall be 1200 and the maximum zones shall be 12.

Tower

Ventilation air will be provided through the heat pump, which will serve the tower.

Ammo

Natural ventilation will be provided through louvers, which will be located approximately one foot from the ground.

Latrine

There is a holding tank directing below the latrines to gather the waste. Twenty (20) per cent of the vault exhaust shall originate from the latrine above to provide a negative pressure of the vault with respect to the latrine. There will be a separate exhaust fan for the men's latrine, the women's latrine, and the vault below both latrines. The air compressor room for the vault will be provided with natural ventilation to maintain a 27 degree C space temperature. Reference "miscellaneous items" below for air compressor room.

7-9 Air Conditioning

Tower

The tower will be served by two separate 50 % heat pumps.

7-10 Miscellaneous Items

The stainless steel vault closet will be aerated through a minimum ½ hp air compressor located above the vault in a separate closet. In the aerated vault, the water level must be maintained at least 150 millimeters (6 inches) above the aerators. The size of the vault shall be a minimum 2500-gallon capacity. A six inch diameter vent pipe shall extend from the holding tank to a PRV exhaust fan. The holding tank exhaust fan shall be a minimum 1/20 hp.

7-11 Plumbing

There is no water available on site. Latrines will be heated only, ventilated, and aerated as stated above. Toilets shall be capable of supporting 300 lbs.

GENERAL DESIGN REQUIREMENTS

TECHNICAL SPECIFICATIONS:

General:

All of the specifications and references are a part of this contract document. TI means Technical Instructions and UFGS means Unified Guide Specifications.

The following applies to the UFGS Specifications:

- Only applicable portions shall be deleted.
- Editing of the specifications shall consist solely of making selections allowed by the specifications.
- All sections of each specification such as but not limited to products, equipment, and installation shall apply.

Section Title	
<u>TI 810-10</u>	<u>Mechanical Design: Heating, Ventilating, and Air-Conditioning</u>
<u>UFGS-15080A</u>	<u>Thermal Insulation for Mechanical Systems</u>
<u>UFGS-15556A</u>	<u>Warm-Air-Heating Systems-Refer to note 1 at end of this RFP</u>
<u>UFGS-15895A</u>	<u>Air Supply, Distribution, ventilation, and Exhaust System-Refer to note 2 at end of this RFP</u>
<u>TM 5-809-04, Chapter 13</u>	<u>Seismic Design for Buildings</u>

7-13 REFERENCES.

The mechanical design for all facilities shall be in accordance with the following:

- a. deleted
- b. ASHRAE Handbook, Fundamentals
- c. ASTM A53, Standard Specification for Pipe, Steel, Black and Hot-Dipped, Zinc Coated Welded and Seamless
- d. deleted
- e. deleted
- f. deleted
- g. deleted
- h. MIL-HDBK- 1008 C, Fire Protection For Facilities

GENERAL DESIGN REQUIREMENTS

- i. HQUSACE Architectural and Engineering Instructions - Design Criteria
- j. 13A Installation Information Infrastructure Implementation Guide Version 2
- k. Standard design criteria, CEHNC 1110-1-23
- L. Air Conditioning and Refrigeration Institute (ARI) Standards
- m. American National Standards Institute, Inc. (ANSI) Standards
- n. American Society of Mechanical Engineers (ASME) Codes
- o. Architectural and Engineering Instructions (AEI)
- p. Life Safety Code
- q. Manufacturers Standardization Society of the Valve and fitting Industry, Inc. (MSS) Standards.
- r. National Fire Protection Association (NFPA) Codes
- s. National Standard Plumbing Code, latest edition
- t. deleted
- u. deleted
- v. deleted
- w. deleted
- x. Sheet Metal & Air-Conditioning Contractors National Association (SMACNA) Standards
- y. Uniform Building Code, latest edition

Notes:

1. Specification 15211N shall apply to vault air compressor regardless of the hp limitation stated in 15211N.
2. No acoustical duct liner shall be permitted.

**GENERAL DESIGN REQUIREMENTS
CHAPTER 9
SUSTAINABLE DESIGN**

		<u>Page</u>
Paragraph	9-1	SUSTAINABLE DESIGN GOALS..... 9-1
	9-2	PROJECT REQUIREMENTS..... 9-1
		REFERENCES..... 9-2

GENERAL DESIGN REQUIREMENTS

CHAPTER 9

SUSTAINABLE DESIGN

- 9-1 **SUSTAINABLE DESIGN GOALS.** The goals for improving the sustainability of facilities include: (a) use resources efficiently and minimize raw material resource consumption, including energy, water, land and materials, both during the construction process and throughout the life of the facility, (b) maximize resource reuse, while maintaining financial stewardship, (c) move away from fossil fuels towards renewable energy sources, (d) create a healthy and productive work environment for all who use the facility, (e) build facilities of long-term value, and (f) protect and, where appropriate, restore the natural environment.
- 9-2 **PROJECT REQUIREMENTS.** Sustainable design techniques shall be considered as they relate to site and building design, construction, and operation. Techniques which conserve energy, improve livability, and can be justified by life cycle cost analysis as cost effective are encouraged.
- 9-2.1 The level of incorporation of sustainable design principles will be measured through use of the Sustainable Project Rating Tool (SPiRiT), available from the following website: <http://www.cecer.army.mil/SustDesign/SPiRiT.cfm> SPiRiT is the government version of the LEED Green Building Rating System™, developed by the U.S. Green Building Council.
- 9-2.2 After the award of the contract the contractor will complete and submit the SPiRiT Facility Points Summary with the 50% design submittal. The total point score will determine the SPiRiT Sustainable Project Certification Level: SPiRiT Bronze, Silver, Gold, or Platinum.
- 9-2.3 Designs that do not achieve a SPiRiT Bronze certification level will be considered non-conforming with the sustainable design goals for improving the sustainability of facilities.
- 9-2.4 Designs that do not comply with the "Required" criteria listed in the SPiRiT document will be considered non-conforming. For example: SPiRiT category *3.R3 CFC Reduction in HVAC&R Equipment* requires zero use of CFC-based refrigerants in new mechanical systems. Although no credit points are available, the requirement must be met to achieve the minimum certification level.

Some SPiRiT categories award potential points (credits) for strategies or decisions that are not within the control of the contractor. These areas may include installation master planning, site selection, or involving facility users in the programming process. The contractor will receive points in the following credit categories for criteria met by the government: Installation Base Redevelopment, Facility Impact.

GENERAL DESIGN REQUIREMENTS**REFERENCES****GOVERNMENT PUBLICATIONS:**

Department of the Navy
Standardization Documents Order Desk
700 Robbins Avenue, Bldg. 4D
Philadelphia, PA 19111-5094

MIL-HDBK-1008, Fire Protection for Facilities
Engineering, Design, and Construction

U.S. Army Corps of Engineers
Engineering and Support
Center, Huntsville, Alabama
<http://www.hnd.usace.army.mil/rtlp/index.htm>

U. S. Army Corps of Engineers Design Manual
For Remoted Target System (RETS) Ranges

U.S. Government Printing Office
Superintendent of Documents
U.S. Government Printing Office
Washington, DC 20402

U.S. Government Printing Office (GPO) Style
Manual

NON-GOVERNMENT PUBLICATIONS:

American Architectural Manufacturers
Association (AAMA)
1827 Walden Office Square, Suite 104
Schaumburg, IL 60173-4268

AAMA 101 Voluntary Specifications for
Aluminum, Vinyl and Wood Windows and
Glass Doors

AAMA 605 Voluntary Specification
Performance Requirements and Test
Procedures for High Performance Organic
Coatings on Aluminum Extrusions and Panels

AAMA 1503 Voluntary Test Method for
Thermal Transmittance and Condensation
Resistance of Windows, Doors, and Glazed
Wall Sections

American National Standards Institute 11
West 42 Street
New York, NY 10036

ANSI C2 (1997) National Electrical Safety
Code

ANSI 70 (1996) National Electrical Code

Architectural Woodwork Institute
1952 Isaac Newton Square W.
Reston, VA 20190

AWI Quality Standards (1999) 7th Edition,
Version 1.2

Builders Hardware Manufacturers Association
355 Lexington Ave, Suite 1700
New York, NY 10017-6603

ANSI/BHMA A156.4 (2000) American
National Standards for Door Controls -
Closers...

Council of American Building Officials
5203 Leesburg Pike, Suite 708

CABO A117.1 (1992; Errata Jun 1993)
Accessible and Usable Buildings and Facilities

GENERAL DESIGN REQUIREMENTS

Falls Church, VA 22041		
International Conference of Building Officials	ICBO	(1997) Uniform Building Code
5360 Workman Mill Road		
Whittier, CA 90601-2298		
National Electrical Manufacturers Association	NEMA LD3	High Pressure Decorative
1300 N 17 th Street, Suite 1847	Laminates	
Rosslyn, VA 22209		
National Fire Protection Association	NFPA 101	(2000) Life Safety Code
One Batterymarch Park		
Quincy, MA 02269-9101		
Steel Door Institute (SDI)	ANSI A250.8/SDI 100	Standard Steel
30200 Detroit Road	Doors and Frames	
Cleveland, OH 44145-1967		