

CHAPTER A-11
SPECIFICATIONS

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CHAPTER A-11

SPECIFICATIONS

11.1 GENERAL. The Engineering Support Section (EN-DGO) coordinates the activities related to the preparation and issuance of the bid document for formally advertised projects. The section assists the A-E with the format and administrative requirements involved with preparing the technical provisions of the contract specifications and reviews these specifications for continuity of bid documents.

This chapter has been prepared to assist the A-E in preparing the contract technical specifications. Questions relating to this chapter or any facet of specification writing or preparation shall be directed to the Savannah District Project Manager. The Engineering Support Services Section will promptly respond to the Project Manager's inquiry.

11.2 APPLICABLE PUBLICATIONS.

ER 1110-345-100 Design Policy for Military Construction

ER 1110-1-8155 Specifications

ER 415-1-10 Contractor Submittal Procedures

Federal Acquisition Requirements

Part 6, Competitive Requirements

Part 7, Acquisition Planning

Part 10, Specification, Standards and Other Purchase Descriptions

Part 36, Construction and Architect-Engineer Contracts

11.3 PRECONCEPT SUBMITTAL REQUIREMENTS. As a minimum, provide a listing of the specification sections that will be required for the project.

11.4 CONCEPT, CODE 3 DESIGN REQUIREMENTS AND EARLY PRELIMINARY (35 PERCENT) DESIGN SUBMITTAL REQUIREMENTS. The A-E shall submit a listing the proposed guide specifications and A-E prepared sections that will be required for the project. The proposed table of contents shall show sections using the current UFGS numbers and titles. Sections shall be arranged within their respective divisions, in numerical order. New specification sections developed by the A-E shall be numbered to fall in the respective division at a logical location for the job.

11.5 PRELIMINARY (60 PERCENT) SUBMITTAL REQUIREMENTS. No specifications will be required at this submittal.

11.6 PRELIMINARY (60 PERCENT) DESIGN SUBMITTAL REQUIREMENTS.
No specifications will be required at this submittal.

11.7 FINAL (100 PERCENT) DESIGN SUBMITTAL REQUIREMENTS.

11.7.1 Final Specifications. The A-E shall provide one hard copy of the final project specifications, and an electronic copy on CD in SPECSINTACT format. The original technical sections shall have been prepared in accordance with the specific requirements and instructions contained in this chapter and printed on letter quality or laser printer on bond paper.

11.7.2 Aids to Advertising. The A-E shall submit the following as part of the final design submittal package to aid in the preparation of the solicitation package.

11.7.2.1 Scope of Work. The A-E shall submit Section 01 11 00 SUMMARY OF WORK. The scope of work will be a brief written description of the work involved and will include a listing of approximate quantities, such as "the work includes the construction of a 250,000 square foot administrative building...." The project site shall be located by including the name of the county and state in which the work is done. Also, the appropriate cost range shall be selected by the A-E from the ranges listed below and included at the end of the resume:

- less than \$25,000
- between \$25,000 and \$100,000
- between \$100,000 and \$250,000
- between \$250,000 and \$500,000
- between \$500,000 and \$1,000,000
- between \$1,000,000 and \$5,000,000
- between \$5,000,000 and \$10,000,000
- between \$10,000,000 and \$25,000,000
- between \$25,000,000 and \$50,000,000
- between \$50,000,000 and \$100,000,000
- over \$100,000,000

See Exhibit A-11-5.

11.7.2.2 Construction Time Estimate. The A-E shall submit a Construction Time Estimate and the rationale used to develop the estimate. When preparing the estimate, consideration shall be given to procurement of materials, sequence of construction, climatic conditions to be encountered during construction, etc.

11.7.2.3 Bid Schedule (Section 00010). The A-E shall submit a proposed Bid Schedule for bidding purposes. The Schedule shall set up all lump sum and unit price items for work to be accomplished under the contract. The Schedule shall be carefully coordinated with the payment paragraphs (if required) included in the technical specifications. In instances where extremely small quantities are

involved in the exterior items of work, payment will be on a "job lump sum basis" (see Exhibit A-11-2). When large quantities are involved in exterior items of work, payment will be made on a "unit price basis" (see Exhibit A-11-3). A list of quantities for each item of outside work--site preparation, drainage, paving and utilities--will be submitted with the quantity takeoff regardless of whether the item is paid for on a lump sum or unit price basis (see Exhibit A-11-4).

11.7.2.4 Table of Contents. The A-E shall prepare and submit a Table of Contents for technical specifications.

11.7.2.5 List of Government-Furnished Equipment. If applicable, the A-E shall submit a list of Government-furnished equipment, including the description, weight, size, quantities, and approximate value for inclusion in the contract clauses of the solicitation. This list is usually applicable in renovation or relocation projects when the user wishes to relocate existing equipment. This list shall be furnished in two categories, Government-Furnished, Contractor-Installed (GFCI) and Government-Furnished, Government-Installed (GFGI), if applicable.

11.7.2.6 Salvable Material. If applicable, the A-E shall submit information concerning any salvable material.

11.7.2.7 Special Situations. The A-E shall submit information covering any unusual situations, i.e., interface problems, outages, security and/or safety requirements, storage areas, construction sequences and phasing requirements, access to site, early completion dates, etc.

11.7.2.8 Construction Phasing. For complex projects that include demolition before new construction can begin require a phasing plan. The A-E will provide phasing requirements for construction as part of the scope of work and technical requirements.

11.7.2.9 Additional Submittals. The complexity of some projects may require additional submittals, other than those previously listed. The A-E shall be advised of any additional submittal requirements and shall submit them as directed.

11.7.3 Questions. Any questions concerning the above listed submittal requirements should be directed to the Project Manager.

11.8 CORRECTED FINAL DESIGN SUBMITTAL REQUIREMENTS.

11.8.1 Notice. Corrected final submittals are not considered a normal design level and are required only when final submittals must be revised or corrected due to error or omission.

11.8.2 Corrected Submittal. When this submittal stage is required, the A-E shall submit the final project specification that has been corrected and/or revised in accordance with the Final Design Submittal review comments. The submittal shall include the A-E's annotated comments (see paragraph 11.14) indicating the action taken on each of the review comments.

11.9 REQUIREMENTS FOR DESIGN/BUILD RFP PACKAGES. The requirements of D/B RFP package are basically the same as for Final Design above and as further described by specific instructions to contract or delivery order. The format of the D/B package will be different in the typically very few technical specifications are included. The requirements are more performance oriented.

11.9.1 The project design directive instructs the responsible District on the specifics for design development. For most all FY 09 and FY10 projects the design directives instruct us to follow MILCON transformation directives. This includes the use of an Internet based tool called the "Wizard". MILCON Transformation and this model RFP are USACE's response to the Army's need for immediate change in the facility delivery process. Standardized content, use of industry standards, and standardized RFP format are mandated in order to encourage greater industry participation, simplify doing business with the Corps of Engineers and reduce project and program costs.

11.9.2 Access to the Internet web site is controlled by User Name and Password. The site is: https://ff.cecer.army.mil/rfp_wizard/ . The Project Manager can sponsor an AE firm's point of contact (POC) to be added into the system, by submitting a formal request to SAS administrator. (The following information is needed: POC First Name, MI, Last Name, e-mail address and Firm's Name). A User Account will be set up for one member of the firm with Power User rights. This permits the AE to create new jobs in the system, input data, and assign other to the project. When new jobs are set up, the AE shall also assign the SAS Administrator or Specification specialist to the project so that we may do the final processing of the project once it is ready to advertise. Power User can only manage projects they "Own". After the corrected final is submittal, ownership of the Project will be transferred to the SAS Administrator in SAS-EN-DGO.

11.9.3 Specifics of using the RFP Wizard are covered in chapter 7 of the MILCON Implementation Guide which is available for downloading at the introductory Welcome page of the Wizard shown above. (No login is needed)

11.9.4 Create a New Project using the same name as provided on the 1391, with the addition of the building type in the task order name, if multiple RFP packages are required. Once a project name is set up, a series of windows appear asking questions of the project and acquisition strategy. If the District has not selected an acquisition strategy or the Project Manager has failed to

inform the AE, choose C-Type contract initially. This can be changed later, and will not affect the technical requirements of the RFP.

11.9.5 With Power User rights this permits the AE to assign other design team users to projects. Typically a representative of each discipline responsible for the RFP creation. The AE may however elect to have only one person input the data.

11.9.6 Once all data is filled in, the Wizard can create a draft RFP with all administrative and technical sections necessary for a basic RFP. For Draft submittals Section 00 21 00 through 00 73 00 should be generated with the submittal as well as the technical and other Division 1 sections. Sections 00 21 00 through 00 73 00 may not be used in the format provided for the advertisement because SPS (PD2) system is mandated by DoD and is not compatible with Wizard output.

11.9.7 Chapter 7 of the Implementation guide shows all the windows that will need input for a new project. It is recommended that these lists be reviewed at pre-design meetings to attain as much information as possible.

11.9.8 Appendices. By default, the wizard will add cover sheet for some appendices. Appendix K and L have standard content provided by the MT Team. Other appendices will be considered "not used" unless replaced by the preparer as follows: Select the Radio Button next to the appendix you wish to upload and then select the "Browse" button to locate the file on the local machine. Once selected, click the "Upload" button in the middle of the page to attach the file. This action will replace the "Not Used" version of the appendix with the project specific content. Contact the Project Manager to see if the District has some standard appendices for an Installation. The AE or Savannah District will provide the Geotechnical Information Appendix A, depending on contract agreement.

11.9.9 If the project includes more than one task order at the same site, a few other User Defined appendices are required. These are Appendix N, LEED Requirements for Multiple Contract Combined Projects, Appendix O, LEED Strategy Tables and Appendix W, Demarcation Matrix is generally required. This appendix would naturally be very project specific and must be provided by the AE. Example of one is attached.

11.9.10 Download the file from "View the Draft RFP". Generate the file and download it for faster viewing. Do not LOCK the RFP. This will only be done when a solicitation / task order number has been assigned and we have authority to advertise. Generally this is only done the District.

11.10 TYPES OF SPECIFICATIONS FOR FULL DESIGN.

11.10.1 Available Guide Specifications. All final project specifications shall be prepared using the Unified Federal Guide Specifications (UFGS) obtained from TECHINFO web site www.hnd.usace.army.mil/techinfo or furnished by the Savannah District, or as prepared by the A-E for job specific requirements when not available elsewhere. The guide specifications are to be edited and adapted by the designer to fit each individual project in accordance with the project requirements. The designer is to delete the inapplicable portions of the guide specifications and revise and/or supplement, as required, the applicable portions to provide a complete project specification. Deviations, except as authorized by ER 1110-1-8155, will not be allowed without prior approval through the Savannah District.

NOTE: All specifications are to be written in accordance with the requirements of the technical manuals and the architectural and engineering instructions and as required by law to provide open and competitive bidding without proprietary exclusion of acceptable products. The guide specifications, including "notes to specification writer," shall be reviewed before starting the drawings and again before writing the specifications. See ER 1110-1-8155 for criteria, guidance, and limitations not covered by these standard procedures.

11.10.2 Other Specifications. When there is no appropriate UFGS guide specification for a particular topic, the A-E will prepare the required specification. The specification shall be arranged and typed using the UFGS format and coded in SPECSINTACT. The specification shall not be written around materials, equipment or procedures which restrict competitive bidding unless a specific waiver has been obtained by the Project Manager. The A-E shall prepare the required section using one of the following procedures:

11.10.2.1 Functional or Descriptive Specifications. The A-E will normally be instructed to prepare "functional or descriptive specifications" using industry standards, manufacturer's data, and other available information. These specifications shall be prepared and developed by listing parameters, methods, techniques and other requirements that several manufacturers can satisfy. These specifications shall list the essential features, requirements, minimum functions, and other factors to clearly indicate the type and quality of item required. Specifications should not be developed around a single manufacturer. Questions concerning the preparation of specifications of this type should be directed to the Project Manager.

11.10.2.2 Sole Source Specifications. There may be instances when only one manufacturer's product will satisfy job conditions. For example, in rehabilitation work, updating a particular piece of existing mechanical equipment may require new parts from the manufacturer of that particular piece of equipment. A sole source type may be acceptable in this instance provided prior approval is received from higher authority. To receive approval, the A-E will be required to provide written sole source justification to the Project Manager. This justification should be prepared and presented as early in the design process as possible, since approval usually takes considerable time. The A-

E should be aware that preparing proprietary type specifications based on trade, brand, manufacturer's name or adopting a manufacturer's description of a particular article or procedure are unacceptable and should be avoided if at all possible.

11.10.2.3 "Or Approved Equal" Specifications. In some instances, acceptable standards of quality may be listed by brand name or approved equal. It is preferred that salient features of the product and the names of at least three manufacturers (with current addresses and phone numbers) as well as model numbers be listed. Each of the listed items should be items exhibiting the functional characteristics required. Each brand name should be followed by the words "or approved equal." The intent of the "or approved equal" procedures is to offer bidders the opportunity to substitute items equal in functionality and quality. "Or approved equal" specifications should be avoided, in preference to "functional or descriptive specifications".

11.10.3 Availability of Federal and Military Specifications and criteria. Access by the A-E to these publications can be obtained at <http://www.ccb.org> or at

11.11 SPECIFICATION PREPARATION METHOD. For full designs, Savannah District accepts only specifications prepared in SPECSINTACT format.

11.11.1 SPECSINTACT. The web site contains a word processing software specifically tailored for specification editing of UFGS specification. This software is called SPECSINTACT. Information regarding SPECSINTACT is available at TECHINFO web site.

11.11.2 Using SPECSINTACT. Refer to SPECSINTACT User Manual. A-E is responsible for obtaining their own training on this software.

11.11.3 Developing Unique Project Specifications. The software will permit the generation of a new section for a specific item, material or process. Used the generic template to create a unique specification. When sole source (only one acceptable product) requirements are included in the specifications, for each such requirement the designer will develop the items described at FAR 6.303-2. The format of unique specifications shall follow the same format as the UFGS specifications.

11.12 FINAL SPECIFICATION PREPARATION. Provide the following with the final submittal.

Concise scope of work for the project.

Construction time estimate.

Proposed phasing if applicable.

Table of Contents for technical specification sections.

List of Government-furnished equipment.

Salvageable materials.

Contractor's submittal requirements on ENG FORM 4288, generated from SPECINTACT.

Hard copy originals and electronic copy of edited specifications.

Special situations which affect construction schedules.

11.12.1 Technical Specification Scope. The technical specifications shall include performance and specific tasks type specifications for all work required to complete the project.

11.12.1.1 The A-E will be responsible for the accurate preparation of the technical specifications. The A-E will provide clarification, corrections for amendments or revisions needed to correct errors or omissions.

11.12.1.2 The A-E will delay preparation of the project specifications until after the preliminary review stage. Generally, guide specifications must be edited by the A-E to satisfy the requirements of the particular project being designed. The Contractor submittal register must be edited to include all those submittals required. The drawings and specifications must complement each other. All extraneous and irrelevant information contained in the guide specifications must be eliminated. Likewise, information not originally contained in the guide specifications must be added to ensure a complete specification. Furthermore, functional or descriptive specifications must be developed as necessary to fully specify the requirements of the project being designed.

11.12.2 Quality of Work. In accordance with the "Responsibility of the Architect-Engineer" clause of the Contract Clauses of the Architect-Engineer contract, the A-E is totally responsible for the content of the technical specifications and for material shown on the drawings which has been inadvertently omitted from the specifications. The specifications shall be complete, accurate, clear and precise and shall not be subject to interpretation. They shall be specific and free of ambiguities.

11.12.2.1 The A-E shall coordinate the specifications with the drawings and cross check all references within the specification for agreement with the drawings and other sections of the specifications. Reconcile sections to verify that no sections are missing but are referenced, and perform a brackets check with the SPECINTACT software.

11.12.3 Checklist. A checklist for final specification preparation is included as Exhibit A-11-1 and should be used to ensure that specifications are acceptable. If any of the questions are answered "NO," that portion of the work is unacceptable. Any questions resulting from answering the checklist should be referred to the Project Manager.

11.12.5 Notes to the Specification Writer. Specific "NOTES TO THE SPECIFICATION WRITER" are included in the body of technical guide specifications. These notes are denoted by a row of asterisks above and below the notes. These notes form an

important part of Corps of Engineers technical requirements and offer direction to the specification writer. They should be carefully followed not only in preparing the specification but particularly in preparation of drawings. In many instances, reference is made to items not included in the main body of the specification. It is required that the A-E read the notes and comply with the instructions contained therein. It is very important to provide drawing details referenced in the specification.

11.12.6 Contractor Submittal Requirements. The specifications shall require the Contractor to submit shop drawings, samples, manufacturer's data, certificates, test reports, etc. as appropriate. Each individual section needs to be reviewed as to who should review the submittal. In most cases, the submittals are for Information Only. But there are "G" level reviews. Here a decision has to be made, if this is an extension of design then the "Designer of Record" needs to review them, otherwise the Government Area or Resident office will review them. Once each section is properly coded, the software can generate ENG Form 4288 automatically.

11.12.6.1 For an A-E prepared specification section, the A-E shall properly code the SPECSINTACT document so that submittals will be included in ENG Form 4288.

11.12.7 Payment Paragraphs. No payment paragraphs will be required when bid items on the Schedule are all job, lump sum. Payment paragraphs are required for those sections which cover miscellaneous utilities, roadways, site development and other outside facilities set up for separate payment at a unit price. Each section of specifications which sets items of work for separate payment shall have a paragraph entitled "PAYMENT." This paragraph shall be so worded as to conclusively indicate the method of payment and shall be fully coordinated with the applicable item listed in the Schedule.

11.12.8 Paragraph Numbers. When editing a guide specification in preparing the final project specification, the A-E shall verify that all paragraph numbers in a section are properly connected in sequence.

11.12.9 Omitted Paragraphs. When editing a guide specification in preparing the final project specifications, the A-E shall indicate omitted paragraphs that are required to connect paragraph numbering as follows:

11.12.9.1 Omitted main paragraphs shall be shown in the section text as OMITTED using all capital letters.

11.12.9.2 Omitted subparagraphs shall be shown in the section text as Omitted using initial caps.

11.12.9.3 Omitted paragraphs that are not required to connect the paragraph numbers shall be deleted entirely and not shown in the final specifications.

11.12.9.4 All consecutively numbered omitted paragraphs shall be shown single spaced.

11.12.10 SPECSINTACT Verification Reports. Verification reports for brackets, sections and references will be run before submission of final specifications. Any errors found with these reports will be corrected before submission.

11.13 **PREPARING A-E DEVELOPED SPECIFICATIONS.** When the A-E is required to prepare a specification section for a unique product or procedure, the section shall be prepared using SPECSINTACT.

11.14 **PROJECT REVIEW COMMENTS.** The A-E shall annotate the action taken on each concept/preliminary, final or corrected final review comment and shall include the annotated comments with the appropriate submittal package. If the A-E feels that any comment is inappropriate or in error, he shall contact the Project Manager to resolve the conflict. If the comment is modified or omitted as a result of this coordination, then a brief record of the conversation shall be included with the annotated comments.

11.15 **CONTRACT PLANS AND SPECIFICATIONS.**

11.15.1 Handling Bidder Inquiries. Plans and specifications are furnished to the A-E's for those projects they have designed at the same time they are furnished to bidders. Questions from contractors or suppliers to the A-E requiring interpretation should be referred to the Savannah District. An example of this reasoning would be an occurrence wherein a supplier queried an A-E as to whether a certain insulation would meet requirements of the specifications. He reputedly was told that it would, and based his bid accordingly. Criteria requirements had been changed subsequent to design completion by the A-E. The Savannah District had changed the specifications to conform to the new criteria. The insulation proposed would not meet the new requirements.

11.15.2 Clarification Inquiries. The above guidance is not intended to discourage A-E's from following through on requests for clarification, etc., received from bidders. In many cases such requests require clarification or correction. In such cases, the A-E should notify the Project Manager in the Savannah District by the most expeditious means of communication available of the nature of the discrepancy and his recommendations for correction. This action permits correction by amendment to the solicitation rather than by a more expensive contract modification.

11.16 **AMENDMENTS.** During the advertisement period as discrepancies, oversights, omissions, and other changes surface, the A-E will be required to prepare affected drawings and specifications for amendment. All questions involving the amendment procedure should be addressed to the Project Manager. Federal regulations require that bidders be given ample time for the necessary assimilation of the materials contained in the amendment, and that the material is received at least 14 days prior to bid opening date. (This date is shown on page 00010-1 of the SOLICITATION, OFFER, AND AWARD form.) When required, the A-E will furnish to Savannah District, no later than 3 weeks prior to date of bid opening, a CD reflecting revised specifications and drawings incorporating all amendment changes.

11.16.1 Amended Specifications. The A-E is required to furnish revised sections electronically including all changes made by amendment. The A-E is required to send in paper copy of the revised pages. Revised text will be indicated by underlining; deleted text will be struck out (this is a feature of SPECINTACT). Each revision will be indicated by placing an asterisk and the amendment number (e.g. *1, *2, etc.) in the space above each paragraph that is revised.

11.16.2 Amendment Narrative. Paragraph A of the sample amendment (Exhibit A-11-6) shows the tabulation by which revised, added and/or deleted pages are made a part of the documents. Each revised or added section will carry the statement "(Revised by Amendment No. 000_)" or "(Added by Amendment No. 000_)" to the right of the page number.

11.16.3 Deleted Paragraphs. In preparing the original specifications, omitted paragraphs and subparagraphs were shown as "Omitted." In revising the specifications by amendments, the paragraphs being removed are shown as "Deleted."

11.16.4 Deleted Specifications. When an entire specification section is deleted, list the section in the "Deleted Sections" column of paragraph A.

11.17 MODIFICATIONS. Modifications to construction contracts are high priority items and shall be acted upon without delay. Timely preparation of contract documents (see Exhibit A-11-7) to accompany the modification package will prevent undue delay in construction schedules. Upon receipt of design requirements for a proposed modification, the A-E will proceed with preparation of the necessary changes or additions. The completed package will be forwarded to the Project Manager for finalization and subsequent implementation by Construction Division. Modifications to the construction contract may be accomplished by application of one or more methods available to the A-E. Formulating a clear, concise, and accurate modification package cannot be overemphasized.

11.17.1 Scope of Work. One of the most important items the A-E must furnish for a modification is a clear concise scope of work for all major aspects of the modification.

11.17.2 Specifications. When revisions or additions to the specifications are necessary, the changes will be underlined and deletions will be struck out. The applicable note will be typed indicating an addition or revision to the specifications "(Revised by MCB-__-__)" or "(Added by MCB-__-__)" to the right of the page number.

11.17.3 Modification Drawings or Sketches. Refer to Chapter A-10 for discussion of modifying contract drawings.

11.17.4 Modification Estimate. Cost estimates should be prepared in detail as required for final design documents as described in Chapter A-9, COST ESTIMATES, of this manual. The cost estimate must accompany the finished modification package.

CHAPTER A-11

SPECIFICATIONS

EXHIBITS

- A-11-1. Checklist for Final Specification Preparation
- A-11-2 Sample Bidding Schedule Suggested for Small Projects and Projects with Site Work and Utilities Minor
- A-11-3 Sample Bidding Schedule Suggested for Larger Projects
- A-11-4 Sample Bidding Schedule Suggested for Larger Projects with Multiple Additives
- A-11-5 Scope of Work
- A-11-6 Amendment Preparation - Electronic Bid Sets (EBS)
- A-11-7 Modification Preparation

CHECKLIST FOR FINAL SPECIFICATION PREPARATION

	YES	NO
a. Have all "gaps" been eliminated where material has been omitted from text?	_____	_____
b. Have verification reports been run and errors corrected?	_____	_____
c. Are omitted main paragraphs indicated as "OMITTED" and omitted subparagraphs indicated as "Omitted"?	_____	_____
d. Are consecutively omitted paragraphs single spaced?	_____	_____
e. Are all paragraph numbers connected?	_____	_____
f. Has ENG Form 4288 SUBMITTAL REGISTER been printed?	_____	_____

SAMPLE BIDDING SCHEDULE SUGGESTED FOR SMALL PROJECTS AND
PROJECTS WITH MINOR SITE WORK AND UTILITIES

SECTION 00010
SUPPLIES OR SERVICES AND PRICES/COSTS

SCHEDULE

MUNITION STORAGE FACILITY
POPE AIR FORCE BASE, NORTH CAROLINA

TOTAL BASE BID (ITEMS 0001 AND 0002) ----- \$ _____

TOTAL BASE BID PLUS ADDITIVE NO. I
(ITEMS 1 THROUGH 3) ----- \$ _____

ITEM	DESCRIPTION	QUANTITY	U/M	U/P	AMOUNT
0001	BASE BID - Construction of Storage Igloos (1 and 2) to the 5-Foot Building Line, Complete	1	LS	XXXXX	_____.
0002	BASE BID - Site Preparation and Development, Including Utilities, Complete	1	LS	XXXXX	_____.
0003	ADDITIVE NO. I - Construction of Flammable Storage Building to the 5-Foot Line, Complete	1	LS	XXXXX	_____.

END OF SECTION 00010

SAMPLE BIDDING SCHEDULE SUGGESTED FOR LARGER PROJECTS

SECTION 00010
SUPPLIES OR SERVICES AND PRICES/COSTS

SCHEDULE

PAVING OF EXISTING ROADS AND PARKING AREAS
CLARKS HILL DAM AND LAKE
SAVANNAH RIVER
GEORGIA AND SOUTH CAROLINA

TOTAL BID (ITEMS 0001 THROUGH 0002E) ----- \$ _____

ITEM	DESCRIPTION	QUANTITY	U/M	U/P	AMOUNT
0001	Paving of Existing Roads and Parking Areas - Petersburg Recreation Area:				
0001A	1-1/2 Inch Thick Bituminous Course	13,000	SY	_____.	_____.
0001B	6-Inch Thick Graded Crushed Aggregate Base Course	13,000	SY	_____.	_____.
0001C	Lower Subgrade 6 Inches	6,240	SY	_____.	_____.
0002	Paving of Existing Roads and Parking Areas - Winfield Recreation Area:				
0002A	Bituminous Pavement Leveling	17,920	SY	_____.	_____.
0002B	1-1/2 Inch Thick Bituminous Pavement Overlay	17,920	SY	_____.	_____.
0002C	1-1-1 Inch Thick Bituminous Pavement on Completed Base Course	1,680	SY	_____.	_____.
0002D	6-Inch Thick Graded Crushed Aggregate Base Course	6,240	SY	_____.	_____.
0002E	Remove and Repair Existing Pavement	1	LS	XXXXX	_____.

END OF SECTION 00010

SAMPLE BIDDING SCHEDULE SUGGESTED FOR LARGER PROJECTS
WITH MULTIPLE ADDITIVES

SECTION B
SUPPLIES OR SERVICES AND PRICES/COSTS

SCHEDULE

GENERAL INSTRUCTION FACILITIES
U.S. ARMY SOLDIER SUPPORT INSTITUTE AND
MARION AVENUE WIDENING
FORT JACKSON, SOUTH CAROLINA

TOTAL BASE BID - ITEMS 0001 THROUGH 0004 -----
\$ _____

TOTAL BASE BID PLUS ADDITIVE NO. 0001
ITEMS 0001 THROUGH 0005 -----
\$ _____

TOTAL BASE BID PLUS ADDITIVES NOS. 0001 AND 0002
ITEMS 0001 THROUGH 0006 -----
\$ _____

TOTAL BASE BID PLUS ADDITIVES NOS. 0001 THROUGH 0003
ITEMS 0001 THROUGH 0007 -----
\$ _____

ITEM	DESCRIPTION	QUANTITY	U/M	U/P	AMOUNT
0001	BASE BID - U.S. Army Soldier Support Institute Facility with Metal Roof, Complete to the 5-Foot Building Line	1	LS	XXXXX	_____.
0002	BASE BID - Site Preparation and Development, Utilities and Parking Lots for the Soldier Support Institute Facility, Complete	1	LS	XXXXX	_____.
0003	BASE BID - Marion Avenue Widening Including Landscaping and Utilities, Complete	1	LS	XXXXX	_____.
0004	BASE BID - Install Government-Furnished Interior Furnishings, Complete	1	LS	XXXXX	_____.

ITEM	DESCRIPTION	QUANTITY	U/M	U/P	AMOUNT
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0005	ADDITIVE NO. I - Changing Room, Complete	1	LS	XXXXX	_____.
0006	ADDITIVE NO. II - Auditorium Roof Deck, Complete	1	LS	XXXXX	_____.
0007	ADDITIVE NO. III - Sodding, Complete	1	LS	XXXXX	_____.

END OF SECTION 00010

SCOPE OF WORK

The site of work is located in Houston County, Georgia, at Robins Air Force Base and includes the following principal features and approximate quantities:

(a) Construction of a gymnasium containing approximately 10,000 square feet of floor space, consisting of concrete floor slabs, concrete frame, concrete masonry unit walls, open web steel joists, steel deck and built-up roofing. Interior work includes plumbing, heating, air conditioning, and electrical work. Gymnasium to be furnished with miscellaneous gymnasium equipment.

(b) Gas line - 500 feet of 1-1/2 inch pipe.

(c) Water line - 400 feet of 3-inch pipe; 3-inch gate valve; connection to existing 10-inch line.

(d) Sanitary sewer - 285 feet of 6-inch pipe; 1 manhole.

(e) Sprigging - 1.6 acres.

(f) Landscaping for the gymnasium building.

(g) Exterior electrical work.

(h) Clearing and grubbing, including removal of portable wooden bleachers (16' x 74') - 2.9 acres.

(i) Unclassified excavation - 1,500 cubic yards.

(j) Unclassified borrow - 500 cubic yards.

(k) 1-1/2 inch flexible pavement, including tack and prime coats and 7-1/2 inch stabilized aggregate base course - 700 square feet.

(l) 4-inch concrete sidewalk - 500 square yards.

(m) 6-inch asphalt concrete curb - 50 linear feet.

(n) Precast concrete bumper curbs - 13 each.

(o) 4-inch printed stripes - 150 linear feet.

(p) Storm drainage system - 6-inch pipe - 72 linear feet
8-inch pipe - 202 linear feet
10-inch pipe - 58 linear feet

The cost of this work is estimated to be between \$1,000,000 and \$5,000,000. Construction duration for this project is estimated to be 360 days.

AMENDMENT PREPARATION - ELECTRONIC BID SET

Solicitation Number DAC_21-99-B-0____, Bid Opening [1100] [1400] [1500] hours Local Time at Place of Bid Opening __/__/99 for _____

____, is modified in the following respects:

A. SPECIFICATIONS: The revised and added sections listed below (Revised and Added by Amendment No. 0000) are hereby added to and made a part of the solicitation. In the technical provisions, revised or added information is underlined and deleted information is struck out. Deleted sections are also listed.

Revised Sections

Added Sections

Deleted Sections

(THIS PORTION IS FILLED OUT BY A-E)

THE FOLLOWING IS FILLED OUT BY THE A-E TO INDICATE DRAWING CHANGES.

B. DRAWING FILE NO. _____:

(1) CIVIL: Sheets __, __, __, __, __, and __ dated _____ are hereby added to and made a part of the contract drawings.

(a) Sheets __, __, __, __, __, and __ with Revision No. 1 dated _____ are hereby added to and made a part of the contract drawings.

(b) Sheets __, __, __, __, __, and __ are hereby reissued for clarity.

(c) Delete Sheets _____
in their entireties.

(2) BUILDING/DISCIPLINE:

(a) Sheets __, __, __, __, __, and __ dated _____ are hereby added to and made a part of the contract drawings.

(b) Sheets __, __, __, __, __, and __ with Revision No. 1 dated _____ are hereby added to and made a part of the contract drawings.

(c) Sheets __, __, __, __, __, and __ are hereby reissued for clarity.

(d) Delete Sheets _____
in their entireties.

[B. DRAWINGS: There are no drawing revisions issued with this amendment.]

NOTE:

CONTACT YOUR PROJECT MANAGER FOR AMENDMENT NUMBERS AND DATE FOR REVISION BLOCK.

THE EXAMPLES SHOWN ABOVE SHOULD COVER ANY SITUATION THE AMENDMENT WILL REQUIRE. IF ADDITIONAL INFORMATION OR CLARIFICATION IS REQUIRED PLEASE CONTACT YOUR PROJECT MANAGER.

EXAMPLE MODIFICATION SCOPE OF WORK

Modification of Specifications
Solicitation Number DACA21-95-B-0110
Contract No. DACA21-96-C-0029
Modificaton No. MCB96-29-D

U.S. ARMY ENGINEER DISTRICT, SAVANNAH
CORPS OF ENGINEERS
100 WEST OGLETHORPE AVENUE
SAVANNAH, GEORGIA 31402-0889
10/23/95

The Specifications and Drawings for Construction of EM Barracks Complex - Fort Gordon, Georgia, under Contract Number DACA21-95-C-0029, are modified as follows:

A. SPECIFICATIONS:

The new and revised pages listed below (Revised and Added by Modification 96-29-D are hereby added to and made a part of the Contract Specifications. An asterisk in the right margin of revised pages indicates each line in which a revision was made.

Section	Revised Pages	Added Pages
08700		1a
09510	2	

B. DRAWING NO. 71-08-09:

Sheet 53 with Revision No. 1 and new Sheets 53A, 53B, 53C and 53D (Added by MCB 96-29-D) all dated 23 October 1995 are hereby added to and made a part of the contract drawings.

Encls
Specs (2 pages)
Dwgs as listed in Para B above
(Revised and Added by MCB 96-29-D)

PROJECT TABLE OF CONTENTS
DIVISION 01 - GENERAL REQUIREMENTS

28 April 2008

UFGS that have been unified for use by all participating agencies have a level 3 or level 4 Master Format^(TM) number. UFGS that are agency-specific have a fifth level number indicating it as an agency specific specification. A specification that has a fifth level number "10" indicates USACE, "14" indicates USACE/NASA, a "20" indicates NAVFAC, a "30" indicates AFCESA, and a "40" indicates NASA. Preparing agencies are indicated in the UFGS header of each specification. Users of UFGS should first consider a unified UFGS if one is available, next a UFGS identified as specific to their agency and lastly a UFGS identified as specific to another agency.

01 11 00 SUMMARY OF WORK

a description of work covered in this contract and is required for use in all projects

01 14 00 WORK RESTRICTIONS

work and site restrictions

01 22 00.00 10 MEASUREMENT AND PAYMENT

lump sum schedule payment items and unit price schedule payment items

01 30 00 ADMINISTRATIVE REQUIREMENTS

general administrative paragraphs

01 32 01.00 10 PROJECT SCHEDULE

the preparation and maintenance of the project schedule for construction projects or design-build construction projects

01 32 16.00 20 [DESIGN AND]CONSTRUCTION PROGRESS DOCUMENTATION

the preparation and use of Design-Build Schedules and Design-Bid-Build Schedules and as such must be edited for the acquisition method used

01 33 00 SUBMITTAL PROCEDURES

general procedures regarding submittals, data normally submitted for review to establish conformance with the design concept and contract documents, called for in other sections of the specifications

01 33 29 LEED(TM) DOCUMENTATION

providing documentation and obtaining certain credits to acquire LEED(tm) certification

01 35 13 SPECIAL PROJECT PROCEDURES

special procedures for airfields, heliports, harbors and repetitive military housing facilities

01 35 29 SAFETY AND OCCUPATIONAL HEALTH REQUIREMENTS
safety and occupational health requirements for the protection of Contractor and Government personnel, property and resources

01 35 40.00 20 ENVIRONMENTAL MANAGEMENT
responsibilities and requirements regarding environmental management

01 42 00 SOURCES FOR REFERENCE PUBLICATIONS
listing of organizations whose publications are referenced in other sections of the specifications.

01 45 01.10 USACE QUALITY CONTROL SYSTEM (QCS)
use of the Quality Control System (QCS) for contract monitoring and administration.

01 50 00 TEMPORARY CONSTRUCTION FACILITIES AND CONTROLS
temporary construction facilities, safety systems, construction traffic provisions, construction signage and controls over contractor operations required for use in all projects.

01 57 16 TEMPORARY PEST CONTROL
pest control during construction

01 57 20.00 10 ENVIRONMENTAL PROTECTION
environment protection during construction activities

01 57 23 TEMPORARY STORM WATER POLLUTION CONTROL
temporary construction measures most used in complying with the Best Management Practices of the storm water pollution prevention plan as required by a NPDES Permit

01 58 00 PROJECT IDENTIFICATION
temporary signs for project identification

01 62 35 RECYCLED / RECOVERED MATERIALS
use of products containing recycled or recovered materials

01 74 19 CONSTRUCTION AND DEMOLITION WASTE MANAGEMENT
the management of non-hazardous construction and demolition waste materials

01 78 00 CLOSEOUT SUBMITTALS
closeout submittals including: revised project documents, warranty management, testing, adjusting and balancing, O & M manuals, and final cleaning

ALSO

Need to add UFGS 01 35 29.13 Health, Safety, and Emergency Response Procedures for Contaminated Sites (01-2008) if applicable,

and/or 01 73 19 INSTALLATION OF GOVERNMENT-FURNISHED MEDICAL
EQUIPMENT if applicable

-- End of Project Table of Contents --