



**US Army Corps  
of Engineers**  
Tulsa District

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# **DELIVERABLES**

**SUPPLEMENT TO THE ARCHITECT-ENGINEER'S  
SCOPE OF WORK**

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SCOPE OF WORK  
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## DELIVERABLES

### 1.0 GENERAL

The purpose of this document is to provide additional guidance for deliverables (plans, specifications, design analysis, CADD files, cost estimates) required by the Scope of Work (SOW). Use this as a tool to eliminate problems associated with deliverables. This document and is a result of frequently asked questions and common problems associated with review, solicitation and contract documents.

### 2.0 BEGINNING A PROJECT

#### 2.1 Units of Measure

As soon as possible, determine whether the project will be in English or metric units. It is essential to know this to determine which drawing border to use. The border sheets are different sizes (metric: 841mm x 594mm; English: 30"x42") and the title blocks are configured differently. The border sheets are available for English and metric size sheets in AutoCad and MicroStation formats at the IP address shown in Appendix A of the Tulsa District CADD Standards.

Occasionally a project will start out in metric units then change to English (or vice versa). Changing border sheets while in production presents the following problems:

- a. The site or buildings could no longer fit on the sheet(s) (if going from English to metric).
- b. Using English units on a metric border sheet and increasing the sheet size to 30"x42" creates problems printing the job. The normal size (841mm x 594mm) metric sheet size is often ordered resulting in an out-of-scale printing job. (Avoid increasing the dimensions of the border sheet, please.)

#### 2.2 CADD Format

2.2.1 General. Tulsa District's customers use two different CADD systems - Bentley Systems' MicroStation (also marketed through Intergraph Corporation) and AutoDesk's AutoCad.

Following is a breakdown of CADD systems by customer:

AutoCad Users: Altus AFB, OK; Vance AFB, OK, Sheppard AFB, TX; some municipal governments (for civil projects).

MicroStation Users: Ft. Sill, OK; McAlester Army Ammunition Depot, OK; Tinker Air Force Base, OK (Tinker has several users on base, not BCE, that use AutoCad. Double check final version for drawings.); Tulsa District (for civil works projects where TD is the using agency).

If you are working on a project NOT within the traditional boundaries of the Tulsa District, please verify the CADD version for the contract drawings with the using agency as soon as possible.

2.2.2 The CADD format for the project will be listed in the Scope of Work for traditional Bid-Build projects. Verify this information at the pre-design conference.

2.2.3 Design-Build projects. The CADD format for the RFP will be listed in the Scope of Work. It is extremely important, as the preparer of the RFP, to verify the final CADD format of the contract drawings and as-built drawings with the User. This information must be incorporated into the RFP.

2.2.4 Cover Sheets for Drawings. Please use the Tulsa District's standard cover sheets for the drawings. In addition to the information currently on the sheet, the A/E may add their company name and logo above the line for the IFB No./ RFP No.

The cover sheets are available for English and metric size sheets and are available in AutoCad and MicroStation formats at the IP address shown in Appendix A of the Tulsa District CADD Standards.

Please note that covers and title blocks shall NOT contain your A/E contract number. The "CONTRACT No." space on the cover and in the title block is reserved for the construction contract number.

Identify the submittal stage (e.g., 35%, 60%, 95%, Phase 1 or 2 Draft, etc.) on all covers BUT remove this indicator for the solicitation and contract drawings.

## 2.3 Drawings

2.3.1 Drafting standards, drawing file naming conventions, layering, numbering, etc. shall be in accordance with the Scope of Work, Tri-Service A/E/C CADD Standards (TSCS) and the Tulsa District CADD Standards (TDCS).

2.3.2 Please note that the Government does not use "ALTERNATES"; the Government uses "OPTIONS" or "ADDITIVES". See paragraph entitled "Options and Additives" below. If Options or Additives are used, it is very important to adequately define (show the limits of; quantify) the Options or Additives on the drawings. As a test, look at the project from a Bidder's/Proposer's point of view. Can he/she bid the job with the information that is shown on the drawings or from the descriptions of the options provided?

2.3.3 Title block information should be obtained as soon as possible. Most of the project information can be obtained from the Form 1391 for MILCON projects. The official project name, the fiscal year, project number or PDC number will be shown as well as part of the drawing code. Form 1391 is not applicable to Non-appropriated Funds (NAF), Operations & Maintenance (O&M), or civil works projects. Get the title block information from the Government Project Engineer. Also, call him/her if there are any questions concerning this information.

2.3.4 Due to legal issues, Tulsa District cannot use only numeric scales on drawings. Drawings must contain graphical bar scales. If you choose to use numeric scales along with bar scales, you must place a prominent warning on each sheet to use the bar scales on less than full-size drawings and give the full-size dimensions of the sheet.

2.3.5 A checklist for drawings is enclosed as Appendix A.

## 2.4 Specifications Format

2.4.1 Specifications for Bid-Build projects shall be created using UFGS guide specifications (for Divisions 2-16) and Tulsa District's Division 1 sections utilizing SpecsIntact software. UFGS guide specifications are available at the TECHINFO website: <http://www.hnd.usace.army.mil/techinfo/gspec.htm>. Tulsa District's Division 1 sections are available at the following website: <http://www.swt.usace.army.mil/specs/GuideSpecs.htm> A completed submittal register (from SpecsIntact) is required. Units of measure in specifications shall correspond to those of drawings.

2.4.2 For Design-Build projects, determine during the "Draft RFP" stage whether the Using agency will allow UFGS guide specifications generated through SpecsIntact to be used or if certain commercial specs systems are acceptable. In either case, Tulsa District's Division 1 sections (available at the website shown above) shall be used and included in the RFP. These sections shall be incorporated into the construction contract by the Design-Build contractor. The Design-Build contractor shall be required to provide a completed submittal register with his design submittals. If specifications other than UFGS sections generated through SpecsIntact are to be used, the contractor shall be required to input the submittal information into the Resident Management System (RMS). The Design-Build contractor must be aware of this effort. Include this requirement in the RFP. Units of measure in specifications shall correspond to those of drawings.

Note: Inputting information into RMS is a labor intensive task that is eliminated if using SpecsIntact because the submittal register is an automatic report generated from SpecsIntact that can be imported into RMS (if it has NOT been manually altered using DOS).

2.4.3 Projects that are full-design, best-value selections generally will use UFGS guide specifications and SpecsIntact software. A completed submittal register (from SpecsIntact) is required. Units of measure in specifications shall correspond to those of drawings.

2.4.4 A checklist for specifications is enclosed as Appendix B.

### 3.0 REVIEW DOCUMENTS

#### 3.1 General

Review documents consist of text documents (specs, design analysis, or draft RFPs) and drawings (in most cases). Please identify the submittal stage on the covers of the drawings, specs, design analysis, or RFP documents (e.g., 35%, 60%, 95%; Phase 1 Draft, Phase 2 Draft, etc.).

#### 3.2 Bidding and Proposal Schedules

Bidding/Proposal Schedules are placed behind the cover, information sheet, and Table of Contents in the first volume of specs or the RFP document. Please note that the page number begins with "00010-3". Tulsa District will add pages 00010-1 & 00010-2 (Form 1442).

3.2.1 Bidding Schedule. Bidding Schedules are used for Bid-Build projects (sample format enclosed; see Appendix C). Include the Bidding Schedule for review in the 60% Submittal. If there is no 60% Submittal scheduled for your project, please insure that it is included complete at the 95% Submittal. If there are questions on the Bidding Schedule, please get with the Government's Project Engineer to coordinate as soon as possible to avoid problems with designations on drawings, etc.

3.2.2 Proposal Schedule. Proposal Schedules are used for Design-Build projects and full-design, best-value RFPs (sample formats enclosed; see Appendix C). Include the Proposal Schedule for review in the 60% Submittal. If there is no 60% Submittal scheduled for your project, please insure that it is included complete at the 95% Submittal. Please note that the Proposal Schedule for a Design-Build project is different than a full-design, best-value RFP (which is basically the same format as a Bidding Schedule). If there are questions on the Proposal Schedule, please get with the Government's Project Engineer to coordinate.

#### 3.3 Options and Additives

Please note that the Government does not use "ALTERNATES"; the Government uses "OPTIONS" or "ADDITIVES". For the past few years, the Government has used "Options" much more frequently than "Additives". Options allow more flexibility; they may or may not be awarded. If the Government chooses to award, then award of an option or any combination of options may occur after award of the construction contract and Notice to Proceed is issued up to however many days stated in the Bidding Schedule Notes (generally 90 days - check this with the Government's Project Engineer). Additives must be awarded at the same time as the construction contract and they must be awarded in the order shown on the Bidding Schedule.

Options or Additives shown on the Bidding/Proposal Schedule must be carefully coordinated with designations on plans and in specifications.

### 3.4 Division 1 Specifications

Division 1 specs need to be edited and submitted with the 60% submittal or RFP Draft (for single-phase) or Phase 2 Draft (two-phase RFP). Tulsa District has a specific set of Division 1 specs for use on projects within our district boundaries. These are available on Tulsa District's home page, <http://www.swt.usace.army.mil/specs/GuideSpecs.htm>. There are a few other UFGS Division 1 sections that may be applicable to your project: 01312 QUALITY CONTROL SYSTEM (QSC); 01415 METRIC MEASUREMENTS; 01670 RECYCLED/RECOVERED MATERIALS. Use 01312 if your project will use the Resident Management System (RMS); use 01415 if your project is in metric units; use 01670 for all jobs. These sections are found on TECHINFO website: <http://www.hnd.usace.army.mil/techinfo/gspec.htm>.

### 3.5 Design Analysis

The Design Analysis must follow the SWD-AEIM format unless otherwise stated in the Scope of Work or directed otherwise by the Government Project Engineer. Include the CESA (if required) at the appropriate design stage. The Design Analysis shall be provided for each stage of review unless directed otherwise by the Government's Project Engineer. A final design analysis, incorporating all comments, shall be issued to document the final design.

### 3.6 Cost Estimate

Provide the cost estimate in M-CACES as directed by the SOW unless directed otherwise by the Government's Project Engineer.

## 4.0 SOLICITATION DOCUMENTS

### 4.1 General

Solicitation documents consist of plans and specifications for traditional Bid-Build projects and full-design, best-value selections and the Request for Proposal Documents (specifications, plans, and guidance documents, appendices, attachments, etc.) for Design-Build projects. Almost all of Tulsa District's solicitations are accomplished through the use of electronic bid sets (EBS) (CDs). Therefore, all solicitation documents must be in electronic format.

### 4.2 Text Documents (Specs and/or RFP Sections)

Text documents (specs and RFP sections) need to be printed into .pdf through the use of Adobe Acrobat. Specintact has this feature built into the program. Please do not scan these documents into .pdf because the "search" feature will not work on a scanned text file. Provide the each spec and/or RFP section as a separate .pdf file; do not link them together. In addition to the .pdf files, provide the SpecsIntact or Word file for the Table of Contents. Tulsa District needs to edit this file to add the contracting sections at the top. Print any hard copies of these documents required by the SOW from the .pdf files. Note: The page layout will differ from the SpecsIntact and/or Word file to the .pdf file. It is absolutely necessary for the hardcopies pages to match the EBS pages exactly.

### 4.3 Attachments and/or Appendices

Ensure that all attachments and/or appendices files are included on the solicitation CD. Attachments may be added to the end of the appropriate section or they may be furnished as separate files. If furnished as separate files, please name these attachments so they can be readily identified as to location in the document (e.g., 01580add.pdf, 01305attach.tiff, append A.pdf, etc.). If there are several (or many) files in the attachment or appendix, provide documentation to show the sequence of the documents (by file name) within the attachment or appendix.

4.3.1 Forms that are attachments to spec sections should be furnished as .pdf files.

4.3.2 Photographs and cut sheets from catalogs that are attachments or appendices to an RFP must be furnished in .pdf, .tiff or .jpg format.

4.3.3 Completed submittal registers files (from SpecsIntact) must be furnished for all Bid-Build and full-design, best-value selection projects. A blank ENG FORM 4288 shall be provided at the end of Section 01300 for all Design-Build projects. Note: Do NOT put your A/E contract number in the "Contract No." block in the submittal register. This is reserved for the construction contract number.

#### 4.4 Drawings

Add the Solicitation or RFP number to the cover and each drawing. Drawings shall be furnished in cals Type 1, CCITT G4 (continuous acquisition and life-cycle support) format. Ensure that cals files are provided as full-size files. File names (.cal) should be the same as the drawing number (e.g., A101.dgn = A101.cal). Print any hard copies of these documents required by the SOW from the cals files.

#### 4.5 CDs Containing Solicitation Documents

Provide CD(s) containing solicitation documents to the Government Project Engineer as stated in the SOW. Place drawings and text files into separate directories. Provide each drawing (cals file), spec and/or RFP section (.pdf) as separate files; do not link them together. Ensure that all attachments, etc. are also included.

#### 4.6 Hard Copy Cover and Index Sheet for Solicitation

In addition to the CD, provide a 1/2-size (for 30"x42" sheets) or full-size (for 841mm x 594mm sheets) vellum cover sheet and index sheet containing the authorization block). Make sure the cover contains your professional seal(s). These two sheets shall be reprinted, stamped, etc. for the final mylar set of drawings sent in with the contract set of drawings.

#### 4.7 Amendments

After the project is advertised, it may be necessary to add to or revise the solicitation documents. The Government does this by AMENDMENT (not Addendum). The A/E shall be responsible to prepare amendments. Please note that **any change, however minor, must be documented in an Amendment**.

#### **Amendments must be given a very high priority.**

Instructions for preparing Amendments are attached as Appendix D.

#### 4.8 Bid Opening Cost Estimate

A bid/proposal opening cost estimate is required 10 days prior to bid opening or proposal due date.

### 5.0 CONTRACT DOCUMENTS

#### 5.1 General

Contract documents consist of all the solicitation documents with all amendments incorporated. **Only the amendment changes can be made to the documents. You may NOT change anything else, however minor, on the drawings.** Final contract documents shall be submitted to the Government's Project Engineer as stated in the SOW. Final documents shall be on CD and in hardcopy format. It is important that this be done as soon as possible after contract award.

## 5.2 Text Documents

Incorporate all amendments into the documents. Text documents (specs and RFP sections) shall be furnished in two formats, .pdf and SpecIntact (.sgml) (Word, .doc, files are acceptable for any RFP sections not in SpecsIntact). Provide the each spec and/or RFP section as a separate .pdf, .sgml or .doc file; do not link them together. Ensure that all attachments are included. It would be helpful to have the .pdf files and .sgml files in separate directories on the CD.

Print any hard copies of these documents required by the SOW from the .pdf files. Note: The page layout will differ from the SpecsIntact and/or Word file to the .pdf file. It is absolutely necessary for the hardcopies pages to match the electronic pages exactly.

## 5.3 Drawings

Incorporate all amendments into the documents and add the contract number to the cover and each drawing title block. Final contract drawings shall be furnished in two formats: .cal format (full-size) and MicroStation (.dgn) or AutoCad (.dwg) as required by the SOW. File names (.cal) should be the same as the drawing number (e.g., A101.dgn = A101.cal). Please double check to ensure that all files are submitted.

Print the final full-size set of drawings on the media specified in the SOW from the final .cal files. (Final .cal files shall be printed/generated/created from final CADD file format - CADD files that will be used to produce as-built drawings.) This is a particularly sensitive issue when translating CADD files from Autocad to Microstation. In many instances, the translation does not contain all the contract drawing information or the line styles, line weights, and text fonts do not translate correctly. It is essential to check every file to ensure that information translates accurately and completely.

Provide professional seal(s).

APPENDIX A  
DRAWING CHECKLIST

## APPENDIX A DRAWING CHECKLIST

### 1. Covers:

Have you used Tulsa District's standard cover sheet?

Project name & location (for MILCON) from 1391 on the sheet? OR Project name & location from Government's Project Engineer on sheet?

Have you put the project number & FY (for MILCON) on the cover?

Have you put your company logo & ID above the INVITATION NO.?

Have you filled in the INVITATION NO? (This will be supplied by the Government's Project Engineer prior to advertisement.)

Have you identified the submittal stage (i.e., 35%, 65%, 95%, Phase 2 Draft, etc.) on the cover? NOTE: Applicable to review submittals only.

Have you removed the submittal stage notation for the solicitation drawings?

### 2. Index Sheet (1st sheet after cover):

Do the drawing titles shown on the Index Sheet exactly match the titles on the drawings?

Have you put the Authentication Block on this sheet?

### 3. Title blocks:

Project name (for MILCON) from 1391 on the sheet? OR Project name from Government's Project Engineer on sheet?

For MILCON Projects: Project number on sheet along with FY?

Are all DESIGNED BY, REVIEWED BY, CHECKED BY, and SUBMITTED BY blocks filled in with the complete names of the appropriate individuals? Note: Initials are NOT acceptable. These blocks need to be completed by the 95% review submittal.

For MILCON Projects: Is the Drawing Code on each drawing?

Have you included the CADD file name of each drawing in the DESIGN FILE or FILE NAME block?

### 4. General:

Have you used the appropriate border sheet (English or metric) for the project?

Have you provided the appropriate professional seal(s) on the drawings? Note: Required on final drawings (not review submittals).

Have you provided bars scales on each drawing? Note: If you have used numeric scale AND provided bar scales, you must also provide a warning on each drawing to use the bar scales when working with less than full-size drawings (state the full-size drawing dimensions).

Are all section cuts, detail bubbles, references, etc. complete?

## 5. Solicitation Drawings

Have you incorporated all comments?

Have you put the solicitation number on the drawing cover and each drawing?

Have you printed all drawings to calcs format?

Do you have a separate calcs file for each drawing?

Have you double-checked the CD to ensure that ALL files are included?

Have you printed/generated/created a hard copy of the dwgs (if required by the SOW) **from the calcs files**?

## 6. Contract Drawings

Have you incorporated all amendments?

Have you put the contract number on the drawing cover and each drawing?

Have you printed all drawings to full-size calcs format from the final\* required CADD file format?

\*CADD file format that will be used to produce as-built drawings.

Have you checked prints from calcs files for accurate line styles, fonts, line weights, etc.?

If files were translated, has all information translated correctly and is all the information present in the translated file?

Do you have a separate calcs file for each drawing?

Have you printed the final mylar drawings from the final calcs files? (If files were translated, mylars must be created from the TRANSLATED files.)

Have you double-checked the CD to ensure that ALL files are included?

APPENDIX B  
SPECIFICATIONS CHECKLIST

## APPENDIX B SPECIFICATIONS CHECKLIST

### 1. Covers:

Project name & location (for MILCON) from 1391 on the sheet? OR Project name & location from Government's Project Engineer on sheet?

Have you put the project number & FY (for MILCON) on the cover?

Does the project name & location, project number and FY match what is on the drawing cover?

Is the INVITATION NO. in the upper right (at solicitation stage)?

Have you identified the submittal stage (i.e., 35%, 65%, 95%, Phase 2 Draft, etc.) on the cover? NOTE: Applicable to review submittals only.

Have you removed the submittal stage notation for the solicitation documents?

### 2. Bidding Schedule (Bid-Build) or Proposal Schedule (Full-Design, Best Value):

Have you provided the Bidding or Proposal Schedule with the 60% review submittal?

Have you identified the different diameters of drilled piers as separate line items on the Bidding or Proposal Schedule, if applicable?

Have you provided quantities (vertical linear feet or meters) for drilled piers (if applicable)?

Are all Options or Additives (if applicable) identified on the Bidding or Proposal Schedule?

If this project has Additives, are they shown in the order of user's preference? (Note: Additives can only be awarded in the order shown on the Bidding or Proposal Schedule; the user cannot pick and choose from the Additives.)

Do all bid items correspond to the items shown in Section 01270 MEASUREMENT AND PAYMENT? (For Civil Works Projects)

Are all the Bidding Schedule or Proposal Schedule Notes applicable to this project?

Have you verified the number of days to award options (if applicable). This is shown in the notes. (Note: This note is not applicable to projects with Additives. Additives must be awarded at the time the construction contract is awarded.)

Do you have separate line items for parts of the project funded by different types of funding (e.g., MILCON construction funds vs. equipment funds)?

### 3. Proposal Schedules (Design-Build Request for Proposals)

Have you provided the Proposal Schedule with the Draft RFP? (If it's a two-phase RFP, the Proposal Schedule needs to be submitted with the Phase 1 Draft RFP.)

Do you have separate line items for the Design Phase (including lines for Design and Non-Design) and the Build Phase (Construction)?

Do you have separate line items for parts of the project funded by different types of funding (e.g., MILCON construction funds vs. equipment funds)?

Are all Options or Additives (if applicable) identified on the Proposal Schedule?

If this project has Additives, are they shown in the order of user's preference? (Note: Additives can only be awarded in the order shown on the Proposal Schedule; the user cannot pick and choose from the Additives.)

Do all bid items correspond to the items shown in Section 01270 MEASUREMENT AND PAYMENT? (For Civil Works Projects)

Are all the Proposal Schedule Notes applicable to this project?

Have you verified the number of days to award options (if applicable). This is shown in the notes. (This note is not applicable to projects with Additives. Additives must be awarded at the time the construction contract is awarded.)

#### 4. Division 1 Sections

Have you used Tulsa District's Division 1 sections?

Have you added UFGS Section 01312 QUALITY CONTROL SYSTEM (QCS), Section 01420 SOURCES OF PUBLICATIONS and Section 01670 RECYCLED/RECOVERED MATERIALS?

For metric projects, have you included UFGS Section 01415 METRIC MEASUREMENTS?

Have you added a paragraph to Section 01040 addressing any construction phasing (if applicable)?

If your project is on Altus AFB, OK, have you added Section 01305 SECURITY REQUIREMENTS, ALTUS AFB, OK (plus attached forms)?

Have you included attachments to the following sections?

01300 (Submittal Register or blank ENG FORM 4288 for RFPs; and Form 4025)

01305 (forms for Altus AFB), if applicable

01580 (signs and fabrication & mounting)

10440 Interior Signage (if applicable)

016415 (if applicable)

Other \_\_\_\_\_

Have you edited out all paragraphs that do NOT pertain to the military base or post where your project is located? (Use the "search" feature for other installation names.)

If your project is at Ft Sill, have you changed references from "Base" to "Post"?

If your project is at McAlester Army Ammunition Depot, have you changed "Base" to "Installation"?

Section 01700: Have you selected the correct format for the final as-built drawings (see editing notes)?

Have you provided dollar values for O&M manuals (if applicable) and as-built drawings in Section 01700?

## **5. General**

Are all shop drawing submittals coded correctly based on UFGS codes?

Are all brackets eliminated by completing the needed information or by deleting unnecessary blanks? (Do a search for brackets in Specsintact prior to printing.)

Have you coordinated all references (section, standards, etc.) within the spec sections?

Have you run "spell check"?

Is all editing complete?

Have you used consistent terminology between drawings and specifications?

## **6. Solicitation Specs**

Have you incorporated all comments?

Have you printed all spec sections to .pdf format?

Do you have a separate .pdf file for each section?

Are all attachments in acceptable formats for the electronic bid set?

Have you double checked the CD to ensure that ALL files are included?

Have you printed a hard copy of the specs (if required by the SOW) **from the .pdf files?**

Have you included the Bidding or Proposal Schedule file on the CD?

Have you included the SpecIntact or Word file for the Table of Contents in addition to the .pdf file?

## **7. Contract Specs**

Have you incorporated all amendments?

Have you printed all spec sections to .pdf format?

Do you have a separate .pdf file for each section?

Are all attachments in acceptable formats for the contract CD?

Have you double checked the CD to ensure that ALL files are included?

**APPENDIX C**  
**BIDDING/PROPOSAL SCHEDULE SAMPLES**

**APPENDIX C**  
**BIDDING/PROPOSAL SCHEDULE SAMPLES**

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Sample Civil Works Bidding Schedule  
Sample MILCON Project Bidding Schedule  
Sample Design-Build Proposal Schedule  
Sample Full-Design, Best-Value Proposal Schedule

Please note that these are sample formats only. Use the sample format that is appropriate for your project. Sample format selected for your project must be tailored to your specific project needs.

**Appendix C - SAMPLE CIVIL WORKS BIDDING SCHEDULE**

PROJECT NAME

PROJECT LOCATION

BIDDING SCHEDULE

Item No.	Description	Quantity	Unit	Unit Price	Amount
BASE BID					
1.	Care of water	Sum	Job	xxx	_____
2.	Demolition	Sum	Job	xxx	_____
3.	Clearing and grubbing	30	AC	_____	_____
4.	Excavation	340,000	CY	_____	_____
5.	Compacted fill, random	8,575	CY	_____	_____
6.	Sodding	164,170	SY	_____	_____
7.	Trees	1,225	EA	_____	_____
8.	Concrete low-water crossings	65	CY	_____	_____
9.	Concrete access ramps	100	CY	_____	_____
10.	Headwalls with 18-in riprap	1	EA	_____	_____
11.	Drop inlet DI-1	Sum	Job	xxx	_____
12.	RCB at Mingo Road	Sum	Job	xxx	_____
13.	3-in. asphalt surfacing	24	T	_____	_____
14.	Aggregate base (Type A)	75	T	_____	_____
15.	18-inch riprap	1,500	CY	_____	_____
16.	9-inch bedding	750	CY	_____	_____
17.	Pipe rail pole gates	24	EA	_____	_____
18.	Fencing (4 ft. chain link)	505	LF	_____	_____
19.	12-inch water line (east-west direction)	Sum	Job	xxx	_____
				TOTAL BASE BID \$	_____
OPTIONAL BID ITEMS					
20.	Drainage at new ODOT channel	Sum	Job	xxx	_____
21.	Prefabricated bridge	Sum	Job	xxx	_____
				TOTAL BASE BID AND OPTIONS \$	_____

AC = Acre      LF = Linear Foot      SY = Square Yard      CY = Cubic Yard  
 EA = Each      T = Ton

**Appendix C - SAMPLE CIVIL WORKS BIDDING SCHEDULE**

PROJECT NAME

PROJECT LOCATION

BIDDING SCHEDULE NOTES

1. Bidders are instructed to bid on all items.
2. All quantities are estimated except where the unit is given as job.
3. Only one contract for the entire schedule will be awarded under this solicitation.
4. If a modification to a bid based on unit prices is submitted which provides for a lump-sum adjustment to the total estimated cost, the application of the lump-sum adjustment to each unit price in the Bidding Schedule must be stated. If it is not stated, the bidder agrees that the lump-sum adjustment shall be applied on a prorata basis to every unit price in the Bidding Schedule.
5. Refer to Section 00100, Evaluation of Options (July 1990) for information on evaluating options.
6. Optional bid items may, at the option of the Government, be awarded at the time of contract award or may be exercised at any time from the date of contract award until 60 days after issue of Notice to Proceed.

***[Notes to the editor:***

- 1. Use notes 5 and 6 only if the bidding schedule contains options.***
- 2. Always check with the Government's Project Engineer on how many days after Notice to Proceed that the options may be awarded. Sixty (60) days may not be correct for your project.***
- 3. You are not limited to these notes. Add notes as needed to clarify any bid item, etc.***
- 4. Please note that the Bidding Schedule page number(s) begin with 00010-3. The Government will add pages 00010-1 & 2.]***

PROJECT NAME

INSTALLATION NAME, STATE

**BIDDING SCHEDULE**

Item No.	Description	Quantity	Unit	Unit Price	Amount
BASE BID					
1.	All work unless listed.	Sum	Job	XXX	\$ _____
2.	Drilled Piers for Shop Building				
	a. 24" Dia.	320	VLF*	\$ _____	\$ _____
	b. 30" Dia.	720	VLF*	\$ _____	\$ _____
	c. 36" Dia.	40	VLF*	\$ _____	\$ _____
	d. 42" Dia.	40	VLF*	\$ _____	\$ _____
		Subtotal Item 2			\$ _____
3.	Drilled Piers for Covered Storage Building				
	a. 18" Dia.	240	VLF*	\$ _____	\$ _____
	b. 24" Dia.	140	VLF*	\$ _____	\$ _____
	c. 30" Dia.	380	VLF*	\$ _____	\$ _____
	d. 36" Dia.	120	VLF*	\$ _____	\$ _____
		Subtotal Item 3			\$ _____
4.	Asphalt Paving per Dwg. C201 & detail 1 on Dwg. C301.	Sum	Job	XXX	\$ _____
TOTAL BASE BID					\$ _____
=====					
OPTIONAL BID ITEMS					
5.	Option 1 - Lightning Protection on the Shop & Warehouse Buildings.	Sum	Job	XXX	\$ _____
6.	Option 2 - Mechanical Screen Wall	Sum	Job	XXX	\$ _____
TOTAL OPTIONAL ITEMS					\$ _____
TOTAL BASE BID AND OPTIONS					\$ _____

\* Vertical Linear Feet

PROJECT NAME

INSTALLATION NAME, STATE

## BIDDING SCHEDULE NOTES

1. All quantities are estimated except where the unit is given as job.
2. Bidders shall bid on all items.
3. SPECIAL BID CONDITIONS

If a modification to a bid based on unit prices is submitted which provides for a lump-sum adjustment to the total estimated cost, the application of the lump-sum adjustment to each unit price in the Bidding Schedule must be stated. If it is not stated, the bidder agrees that the lump-sum adjustment shall be applied on a pro rata basis to every unit price in the Bidding Schedule.

## 4. AWARD

Only one contract will be awarded under this solicitation.

## 5. Arithmetic Discrepancies (EFARS 14.406-2)

a. For the purpose of initial evaluation of bids, the following will be utilized in resolving arithmetic discrepancies found on the face of the Bidding Schedule as submitted by bidders:

- (1) Obviously misplaced decimal points will be corrected;
- (2) Apparent errors in addition of lump-sum and extended prices will be corrected.

b. For the purpose of bid evaluation, the Government will proceed on the assumption that the bidder intends his bid to be evaluated on the basis of the unit prices, extensions, and total arrived at by resolution of arithmetic discrepancies as provided above and the bid will be so reflected on the abstract of bids.

## 6. OPTIONAL BID ITEM DESCRIPTIONS

Optional Bid Items shall be as shown on the drawings or in the specifications.

## 7. EVALUATION OF OPTIONS

The Government will evaluate offers for award purposes by adding the total price for all options to the total price for the Base Bid. (Total Base Bid and Optional Bid Items.) Evaluation of options will not obligate the Government to exercise the options.

## 8. AWARD OF OPTIONAL BID ITEMS

Optional bid items as stated above may, at the option of the Government, be awarded at the time of contract award or may be exercised at any time from the date of contract award until 90 days after issue of the Notice to Proceed.

All options or any combination thereof may be exercised by the Government.

**[Notes to the editor:**

- 1. Use notes 6, 7, and 8 only if the bidding schedule contains options.**
- 2. Always check with the Government's Project Engineer on how many days after Notice to Proceed that the options may be awarded. Ninety (90) days may not be correct for your project.**
- 3. You are not limited to these notes. Add notes as needed to clarify any bid item, etc.**
- 4. Please note that the Bidding Schedule page number(s) begin with 00010-3. The Government will add pages 00010-1 & 2.]**

PROJECT NAME

INSTALLATION NAME, STATE

**PROPOSAL SCHEDULE**

Item	Description	Quantity	Unit	Unit Price	Amount
<b>BASE PROPOSAL</b>					
1.	Design Phase (Part 1) Preliminary Design Submittal				
	a. Design Costs:	Lump Sum	Job	xxx	\$_____
	b. Non-Design Costs:	Lump Sum	Job	xxx	\$_____
	Sub-Total Design Phase Part 1 only				\$_____
2.	Design Phase (Part 2) Final Design Submittal				
	a. Design Costs:	Lump Sum	Job	xxx	\$_____
	b. Non-Design Costs:	Lump Sum	Job	xxx	\$_____
	Sub-Total Design Phase Part 2 only				\$_____
	Sub-Total Design Phase, Parts 1 & 2				\$_____
3.	Build Phase				
	Construction Costs:	Lump Sum	Job	xxx	\$_____
	Sub Total Build Phase				\$_____
	TOTAL BASE PROPOSAL ITEMS				\$_____

**PROPOSAL SCHEDULE NOTES**

1. Offerors shall propose on all items.
2. Only one contract for the entire schedule will be awarded under this solicitation.
3. DESIGN COSTS DEFINITION  
  
Design costs shall consist of preparation of designs, plans, drawings, and specifications.
4. NON-DESIGN COSTS DEFINITION  
  
Non-design costs shall include the following: initial site visits; field, topographic, property, boundary, utility; subsurface explorations and borings; feasibility, functional, and economic studies and other investigations; preparation or verification of as-built drawings;

PROJECT NAME \_\_\_\_\_ INSTALLATION NAME, STATE \_\_\_\_\_

preparation of general and development criteria; services of consultants where not specifically applied to the preparation of working drawings or specifications; preparation of environmental impact assessments, statements, and supporting data, engineering services during construction; renderings, or photographs of completed designs; reproduction of designs for review purposes; and travel and per diem allowances in connection with the above excludable services.

5. COST LIMITATION

The established design cost limitation for the Design Costs of Design Phase, Part 1 and Part 2 is six (6) percent of the total cost for the Build Phase. Offerors whose cost proposal exceeds the design cost limitation for the design costs portion of the project may be rejected.

6. PROJECT COST TARGET

"Project cost target" is defined as the expected total contract sum which includes all categories of cost, i.e., design, non-design and construction.

*[Notes to the Editor:*

*1. If there are options involved, use the following notes 7, 8 & 9:*

*"7. OPTIONAL PROPOSAL ITEM DESCRIPTIONS*

*Optional Proposal Items shall be as described in the RFP documents [or shown on the drawings].*

*8. EVALUATION OF OPTIONS*

*The Government will evaluate offers for award purposes by adding the total price for all options to the total price for the Base Proposal. (Total Base Proposal and Optional Proposal Items.) Evaluation of options will not obligate the Government to exercise the options.*

*9. AWARD OF OPTIONAL PROPOSAL ITEMS*

*Optional proposal items as stated above may, at the option of the Government, be awarded at the time of contract award or may be exercised at any time from the date of contract award until 90 days after issue of the Notice to Proceed.*

*All options or any combination thereof may be exercised by the Government."*

*2. Always check with the Government's Project Engineer on how many days after Notice to Proceed that the options may be awarded. Ninety (90) days may not be correct for your project.*

*3. You are not limited to these notes. Add notes as needed to clarify any proposal item, etc.*

*4. Please note that the Proposal Schedule page number(s) begin with 00010-3. The Government will add pages 00010-1 & 2.]*

PROJECT NAME

INSTALLATION NAME, STATE

PROPOSAL SCHEDULE

Item No.	Description	Quantity	Unit	Unit Price	Amount
BASE PROPOSAL					
1.	All work unless listed separately.	Sum	Job	xxx	\$ _____
2.	Lime-Modified Subgrade (See Note 6)	37,360	SY	\$ _____	\$ _____
3.	Aggregate Base Course	37,900	SY	\$ _____	\$ _____
4.	Hot-Mix Asphalt (See Note 6)	3,790	Tons	\$ _____	\$ _____
5.	Concrete (See Note 6)	4,520	CY	\$ _____	\$ _____
6.	Milled Pavement	12,180	SY	\$ _____	\$ _____
TOTAL BASE PROPOSAL					\$ _____
OPTIONAL PROPOSAL ITEMS					
7.	Option 1 - Hazardous Waste Soil	1,920	Tons	\$ _____	\$ _____
8.	Option 2 - Hazardous Waste Groundwater	248,620	Gal.	\$ _____	\$ _____
9.	Option 3 - New Trees	Sum	Job	xxx	\$ _____
TOTAL OPTIONAL ITEMS					\$ _____
TOTAL BASE PROPOSAL & OPTIONAL ITEMS					\$ _____

PROPOSAL SCHEDULE NOTES

1. All quantities are estimated except where the unit is given as job.
2. Offerors shall propose on all items.
3. SPECIAL PROPOSAL CONDITIONS  
  
If a modification to a proposal based on unit prices is submitted which provides for a lump-sum adjustment to the total estimated cost, the application of the lump-sum adjustment to each unit price in the Proposal Schedule must be stated. If it is not stated, the Offeror agrees that the lump-sum adjustment shall be applied on a pro rata basis to every unit price in the Proposal Schedule.
4. Arithmetic Discrepancies (EFARS 14.406-2)
  - a. For the purpose of initial evaluation of proposals, the following will be utilized in resolving arithmetic discrepancies found on the face of the Proposal Schedule as submitted by offerors:
    - (1) Obviously misplaced decimal points will be corrected;

PROJECT NAME  
(2) Apparent errors in addition of lump-sum and extended prices will be corrected.

INSTALLATION NAME, STATE

b. For the purpose of 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, extensions, and total arrived at by resolution of arithmetic discrepancies as provided above and the proposal will be so reflected on the abstract of bids.

#### 5. AWARD

Only one contract will be awarded under this solicitation.

#### 6. PROPOSAL ITEMS 2, 4 and 5 *[Use similar type notes to clarify proposal items. Delete if not needed.]*

a. Proposal Item 5 consists of concrete covered by Section 02753. Concrete covered by Section 02770 and Division 16 shall be included in Proposal Item 1.

b. Costs for prime and tack coats associated with Proposal Item 2, Lime-Modified Subgrade, shall be included in the costs for Proposal Item 2.

c. Costs for prime and tack coats associated with Proposal Item 4, Hot-Mix Asphalt, shall be included in the costs for Proposal Item 4.

*[Use the following notes if Options are included in the Proposal Schedule. Tailor Note 9 to fit the project. See Notes to the Editor, No. 2 below.]*

#### 7. OPTIONAL PROPOSAL ITEM DISCRIPTIONS

Optional Proposal Items shall be as shown on the drawings or in the specifications.

#### 8. EVALUATION OF OPTIONS

The Government will evaluate offers for award purposes by adding the total price for all options to the total price for the Base Proposal. (Total Base Proposal and Optional Proposal Items.) Evaluation of options will not obligate the Government to exercise the options.

#### 9. AWARD OF OPTIONAL PROPOSAL ITEMS

a. Options 1 and 2 may, at the option of the Government, be awarded at the time of contract award or may be exercised at any time from the date of contract award until 361 days after issue of the Notice to Proceed.

b. Option 3 may, at the option of the Government, be awarded at the time of contract award or may be exercised at any time from the date of contract award until 90 days after issue of the Notice to Proceed.

All options or any combination thereof may be exercised by the Government.

#### *[Notes to the editor:*

*1. Always check with the Government's Project Engineer on how many days after Notice to Proceed that the options may be awarded. Ninety (90) days may not be correct for your project.*

*2. Note 9 is an example of different time periods for award of the options. The amount of time shown in 9a is an extremely long time thus adding additional cost (because of contractor risk) to the construction contract price.*

PROJECT NAME

INSTALLATION NAME, STATE

*3. Please note that the Proposal Schedule page number(s) begin with 00010-3. The Government will add pages 00010-1 & 2.]*

APPENDIX D  
AMENDMENT PREPARATION INSTRUCTIONS

## APPENDIX D AMENDMENT PREPARATION INSTRUCTIONS

### 1. GENERAL

A/E's shall be responsible for preparing amendments for the solicitation documents (drawings, specifications and/or RFP sections). **Please remember that any change, however minor, to the solicitation documents MUST be documented by an Amendment.**

Amendments can be issued NLT 10 days prior to the bid opening date or proposal due date. Therefore, amendments that will be issued in 8 1/2" x 11" paper form must be transmitted to the Government's Project Engineer AND the specification writer NLT at the beginning of the business day 13 days prior to the bid opening date or proposal due date. Amendments that will reissue full-size paper drawings or need to be issued as a CD will need additional time. Coordinate this with the Government's Project Engineer AND the specification writer.

The format of the amendments shall be in accordance with the following instructions and shall be transmitted to the Tulsa District in electronic form (e-mail, FTP, or CD).

### 2. AMENDMENT CONTINUATION SHEET

In addition to the changes to the solicitation documents, the A/E shall prepare the continuation sheet to the Standard Form 30 (SF30). The continuation page contains instructions to the bidders/proposers. Precise wording of the continuation page instructions is very important. Keep the instructions simple and tell the bidders/proposers exactly what to delete and what to add. For Word changes, it is imperative to show the exact text to delete and/or add within quotation marks.

2.1 The Form SF30 (cover form) will be prepared by the Government.

2.2. A continuation sheet example is attached.

### 3. SPECIFICATIONS

3.1 Specification changes should be issued in the form of revised pages. Issue only the pages containing changes (plus any facing or following pages); however if the "pagination" changes due the revisions, additional pages need to be included. Minor changes to spec sections may be issued as word changes. Always coordinate amendments through the Government Project Engineer.

3.1.1 Revised text shall be readily identifiable by the bidders or proposers. Revised or added text shall be denoted by **bolded text**, underlined text or *italicized underlined text*. Choose a style of text that does not occur in the original solicitation text and be consistent throughout the document. Use only one style for all amendments required for the project.

3.1.2 If entire paragraphs are deleted, retain the paragraph number; delete the text; and substitute the word "Paragraph Deleted" in place of the text after the paragraph number. The blank spaces may be closed or may remain open to avoid adjustment of the subsequent page(s) layout.

3.1.3 Revised pages shall be identified with the "Revised by Amendment 00XX" in a footer at the lower left. If only a portion of a specification section is to be reissued, please ensure that the .pdf file forwarded contains only those pages that are to be reissued. Please include the "facing" or "following" page(s) to allow for two-sided copying.

3.1.4 Entire revised or new sections shall be denoted with a note on all pages in the footer at the lower left. Note shall read "[Section added] [Section revised] by Amendment 00XX". Do not include the bolded (or underlined) text on new sections; revised sections need to have all revised text bolded (or underlined).

3.1.5 Previous amendment denotation shall be deleted on subsequent amendment pages.

3.1.6 Bidding/Proposal Schedules are reissued in their entirety if revisions are required. Word changes are **not** allowed.

3.1.7 Amendments specification files shall be issued in two formats: (1) Specsintact (.sgml) or Word (.doc) files [Note: Word files should be an exception rather than the rule.]; (2) Adobe files (.pdf). Adobe files shall be produced using the Acrobat PDF Writer; do NOT scan the files into .pdf format. Forward revised files by e-mail to the Government's Project Engineer and the Government's Specs writer. Note: If the amendment is very large and contains revised drawings as well as text files, it is preferable to forward the amendment by file transfer protocol (FTP), or CD by overnight mail (if time permits). Coordinate the transfer method with the Government's Project Engineer and the spec writer.

#### 4. DRAWINGS

Changes to drawings can be handled three ways:

- (1) Word (narrative) changes;
- (2) Sketches of revised details, etc;
- (3) Reissue complete drawing(s).

4.1 Word (Narrative) Changes. Word changes may be made to drawings whenever the changes are simple to explain and do not involve lengthy or numerous revisions to a sheet. Word changes must tell the bidder/proposer the location of the revision(s) and exactly what to delete and what to add. Notice that the exact text to delete and add is always contained within quotation marks. The following examples illustrate the right and wrong ways to accomplish word changes:

##### Example 1:

WRONG: On Drawing A12, the piping should be cast iron.

RIGHT: Drawing A12, Detail G: Change the notation "10-inch schedule 40 galvanized iron pipe" to "10-inch cast iron pipe".

##### Example 2:

WRONG: Sheet A13. Change door type 5 to H.M. door.

RIGHT: Sheet A13, Door Types. Change door type 5 from "45 MIN. H.M. DOOR" to "H.M. DOOR".

##### Example 3:

WRONG: Sheet C1. Change note to New Concrete Dumpster Pad on plan.

RIGHT: Sheet C1. In sector C5, delete "NEW DUMPSTER PAD"; replace with "NEW CONCRETE DUMPSTER PAD".

If a word change occurs on a site plan, floor plan or some other type plan, it is permissible to describe the location of the change(s) by the sheet sectors as shown in Example 3 above.

4.2 Sketches. Sketches are used to issue revisions to plans, details, sections, schedules, etc. in lieu of reissuing an entire drawing. Sketches may be a revision to an existing drawing or may add details, etc. Changes should be made to the CADD drawing and these changes should be "clouded", "clipped" and printed to an 8 1/2" X 11" sheet. Revisions should be noted in the "Revision Block" of the title block. It is permissible to have several changes to the same sheet issued with a series of sketches. See the

attached example. (An exception to the clouding rule is if the entire sheet was revised. See paragraph below.) Clouding shall be removed prior to generation of solicitation drawings. All deltas and revision notes in the title block shall remain in place. NOTE: Issuing drawing changes by sketch is preferable - it's faster and cheaper. **Use this method whenever possible.**

4.3 Revised Drawings. When changes are extensive or complicated and issuing the changes by sketch(es) is not practical, the entire drawing shall be revised or reissued. Revisions shall be "clouded," and noted in the Revision Block on the drawing. The drawing revision shall be denoted by a 3/8" delta symbol [located by the change(s) and in the revision block] with the revision number within the delta. (An exception to the clouding rule is if the entire sheet was revised. Then it is permissible to omit the clouding and note in the Revision Block that "Entire sheet revised by Amendment 00XX." Include the delta in the revision block.) Clouding shall be removed prior to generation of solicitation drawings. All deltas and revision notes in the title block shall remain in place. Revised drawings require extra time for printing hard copies or reissuing a CD; coordinate this with the Government's Project Engineer AND the specifications writer. See the attached example of revision block notation.

CONTINUATION SHEET EXAMPLE

*Use the following continuation sheet format. Please note that both a Design- Build Request for Proposal and a full-design, best-value solicitation will use an "R" designation in the solicitation number. A traditional bid-build solicitation will use the "B" designation in the solicitation number. Also remember that a traditional bid-build solicitation uses a Bidding Schedule. All others use a Proposal Schedule. Notes to the A/E are shown in italics.*

AMENDMENT 00XX

NAME OF PROJECT

MILITARY INSTALLATION OR CIVIL PROJECT NAME, STATE

W912BV-0X-[R or B]-[1][2]0XX

*(Use for [1] for civil works projects; use [2] for military projects.)*

The [Request for Proposal][solicitation] documents are revised as follows:

[BIDDING][PROPOSAL] REQUIREMENTS, CONTRACT FORMS  
AND CONDITIONS OF THE CONTRACT

[Proposal][Bidding] Schedule: Delete the existing [Proposal][Bidding] Schedule in its entirety. Replace with the attached revised [Proposal][Bidding] Schedule.

**Section 00050.**

- a. Delete paragraph 1.3.4 and replace with the attached revised paragraph 1.3.4.
- b. Add new paragraph 1.3.5 ATTACHMENTS (attached).

*[Note: Changes to Section 00100, 00600, 00700, and 00800 will be added to the continuation sheet by the Government's Specification Writer.]*

**Section 00800.** Delete paragraph 2, Clause 52.0000-4002 WAGE RATES and associated Wage Rates in their entirety. Replace with the attached revised paragraph 2, Clause 52.0000-4002 WAGE RATES and associated Wage Rates.

*[Note: Word changes must: 1) Tell the bidder/proposer exactly where to make the revision; 2) Tell the bidder proposer exactly what to delete and/or add. Put the text to be deleted and/or added in quotation marks.]*

**Section 01011.**

- a. Add the following to the end of the list in Paragraph 1.3:

"Appendix H - Tinker Air Force Base Fire Safety Provisions  
Appendix I - Record Drawings For Shop Area"

- b. Delete paragraph 1.4 text in its entirety and insert "Paragraph Deleted" after the paragraph number.

**Section 01012.** In the first sentence of the second paragraph under paragraph 1.2, delete the text "cost-plus".

**Section 01013.** Delete Section 01013 in its entirety. Replace with the attached revised Section 01013.

SPECIFICATIONS

**Section 01700, paragraph 1.3.7, first sentence:** Delete "Not later than 30 days after the contract completion date". Replace with: "At final inspection".

Delete the following specifications sections and replace with the attached revised section of the same number and title:

02220	08700
05500	16415

DRAWINGS

G001, Drawing Index: Add the following drawings to the end of the mechanical and electrical drawing lists, respectively:

M21	Miscellaneous Details
E20	Communications Details
E21	Miscellaneous Sections and Details

Delete the following drawings and replace with the attached revised drawings of the same number:

C1	A12	A32	M10	E20
C5	A31	S11	M12	E21

Add the attached new drawings:

M21	E30	E31
-----	-----	-----

Drawing A304, Detail 1/A304. Add the following note:

"Note: Provide 3-1/2" unfaced batt insulation over ceiling in ADP Room 202."

Drawing A282:

a. Details 1, 2, 3, 4, and 5: Delete the notation "Use 1/2" Deep Form Liner" on all details. (8 locations)

b. Add Detail 10/A282 STAIR DETAIL issued as Sketch 1 attached herewith.

Drawing S4, Section A/S4: Delete "#4 Bars E.W."; replace with "#6 Bars E. W.".

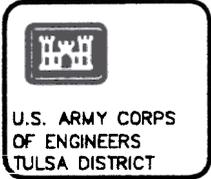
CLARIFICATION

***[Use the "clarification" portion of the continuation form only to explain existing information. You may not add or delete any information as a "clarification".]***

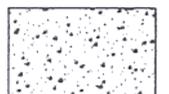
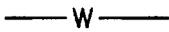
***[Please notice that the continuation sheet page numbers begin with "2". The Standard Form 30 (SF30) is page "1" and will be prepared by the Government.]***



**SAMPLE METRIC BORDER SHEET  
REVISION BLOCK NOTATION**



NEW



Symbol	Description	Date	Appr.	Symbol	Description	Date	Appr.
△	AM 0004 REV WATER LINE LOCATION						
△	AM 0001 REVISED NOTES						

DESIGNED BY: J. CUBB	DRAWN BY: K. HANES	CONTRACT DATE: 
REVIEWED BY: K. SULLIVAN	DRWG. CODE: M 171-212-01	FILE NAME: SFS-C101.DGN
SUBMITTED BY: PAT J. CARROLL, SENIOR V.P.	PLOT DATE: DECEMBER, 2002	PLOT SCALE: AS SHOWN
INVITATION NO. 1: DAC456-03-R-2004	CONTRACT NO. 1: DAC456-03-C-2002	

6

5

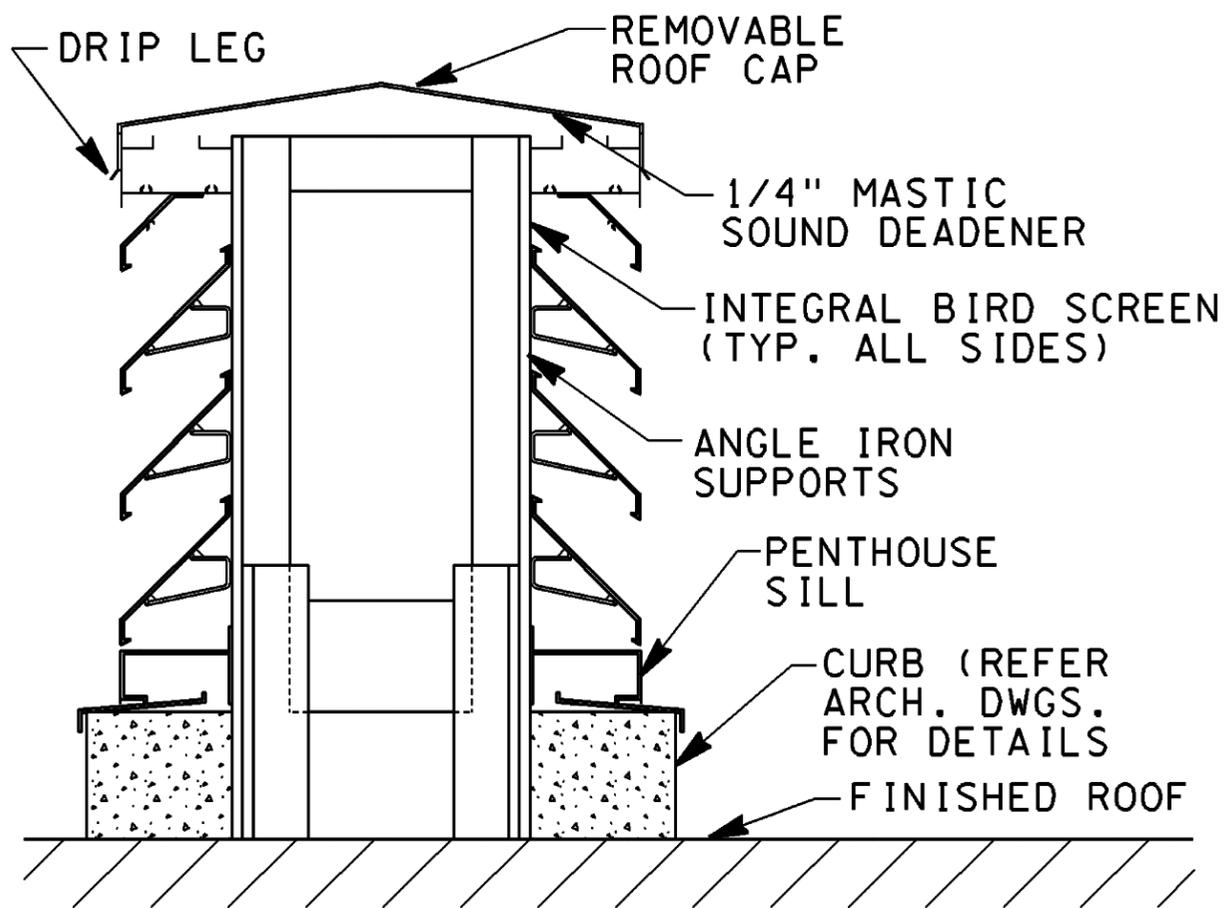
4

3

**NOTES:**

1. START WITH BOTTOM LINE IN THE REVISION BLOCK.
2. DELTAS ALWAYS BEGIN WITH "1" EVEN IF THE FIRST CHANGE TO THE DRAWING WAS MADE BY AMENDMENT 0003. THE NEXT DELTA IS "2" EVEN IF THE SECOND CHANGE TO THE DRAWING WAS MADE BY AMENDMENT 0005, ETC.

NOTES:  
UTILITIES ARE SHOWN TO THE EXTENT KNOWN.



1
2
**INTAKE AIR PENTHOUSE DETAIL**  
 A002 | A002 NTS

# SAMPLE

U.S. ARMY CORPS OF ENGINEERS, TULSA DISTRICT



PROJECT TITLE	
ADDITIONAL PROJECT DEFINITION	
DESIGNER: JOHN Q. GOVERNMENT	DATE: 8/13/03
AMEND. #: 0001 SKETCH # 01	SHT. #1 of 2

