

[as-builts] are provided as attachments to the Request for Proposals (RFP).

1.2.2 Field Verification of Government Furnished Data

Field verification of information and data provided by the Government is the responsibility of the Contractor and his AEDOR. The Government will provide coordination of access, but all tests, observations, examinations, recording of data, equipment, supplies, materials and associated labor needed by the Contractor in order to field verify Government furnished data must be provided by the Contractor and his AEDOR at Contractor's expense. The Government will not provide resources needed by the Contractor to accomplish field verification of data and/or information provided by the Government.

1.3 DEFINITIONS

1.3.1 Design Documents

Documents which further define the technical solution of the Design-Build Contractor's pre-award proposal. Design documentation typically includes design drawings, design analyses (basis of design and calculations), product data and design specifications.

1.4 CRITERIA

The following Internet address(es) are sources for many of the NAVFAC criteria documents that may be referenced in the technical portions of the RFP:

<http://www.efdlant.navy.mil/criteria>

[_____]

1.5 OWNERSHIP OF DESIGN DOCUMENTS

All designs, specifications, drawings, notes, calculations and other works developed in the performance of this contract shall become the sole property of the Government and may be used on any other design or construction project without additional compensation to the Contractor.

1.6 PERFORMANCE [DRAWINGS] [SKETCHES]

Performance [drawings] [sketches] for use on the project are provided [within][as attachments to] the RFP. Designs and information shown on the performance [drawings] [sketches] shall be considered conceptual and may contain a combination of performance and prescriptive requirements that are intended for use in preparing the design drawings. However, the designs and information indicated in the performance [drawings] [sketches] shall be considered to be performance criteria only, unless specifically noted otherwise. Variations will be permitted from the performance [drawings] [sketches] in preparing the design provided that aesthetic, functional, and/or other prescriptive requirements shown are not affected. Variations to performance criteria, as may be permitted,

shall become the responsibility of the Contractor, without additional compensation.

1.7 PERFORMANCE SPECIFICATIONS

Performance specifications furnished [within][as attachments to] the RFP shall be used by the Contractor and his AEDOR to develop the Design Documents. Performance specifications contain requirements describing functional requirements for the project, and describing materials, products, and systems for the project, along with criteria for verifying compliance. References quoted in performance specifications shall be understood to be the published and dated version of the reference in effect as of the Contract Award Date.

1.8 THE CONTRACT AND ORDER OF PRECEDENCE

1.8.1 The Contract

The Contract includes the standard contract clauses and schedules current at the time of award. The Contract also includes:

- a) The solicitation in its entirety, including all drawings, cuts and illustrations, and any amendments issued during proposal evaluation and selection, and
- b) The successful Offeror's accepted proposal.

The Contract constitutes and defines the entire agreement between the Contractor and the Government. No documentation shall be omitted which in any way bears upon the terms of that agreement.

Acceptance of the proposal documents in making the contract award shall not be construed as a waiver of any RFP requirements.

1.8.2 Order of Precedence

In the event of conflict or inconsistency between any of the provisions of the various portions of this Contract, precedence shall be given in the following order:

- a) Betterments, preferreds and desirables: Any portions of the Offeror's proposal, which both meet and exceed the provisions of the solicitation.
- b) The provisions of the solicitation: Provisions described in the RFP take precedence over provisions included in the Southwest Division Design-Build Technical Guides, provided those requirements meet or exceed the minimum standards and requirements stated in the Technical Guides. Provisions described in the Southwest Division Design-Build Technical Guides take precedence over provisions in the Southwest Division A-E Guide and various NAVFAC Design Guides and MILHDBKs, provided those requirements meet or exceed the minimum standards and requirements stated in the Southwest Division A-E Guide and various NAVFAC Design Guides and MILHDBKs.

- c) All other provisions of the accepted proposal.
- d) Any design products, including but not limited to drawings, specifications, engineering studies and analyses, shop drawings, equipment installation drawings, etc. These design products are collectively considered to be "deliverables" under the Contract and are not part of the Contract itself. Design products must conform to all provisions of the Contract, in the order of precedence stated herein. In addition, the Government expects that the construction of the project will be in compliance with design documentation presented to the Government by the Contractor and the AEDOR.

1.9 MEETINGS

1.9.1 Post Award Partnering (PAP) and Kickoff (PAK) Meeting

Within [7][____] calendar days after contract award, prior to commencing work, and at a specific time and place to be determined by the Contracting Officer, meet with the Contracting Officer at [____] for a [two][three] [_____]-day Post Award Partnering (PAP) and Post Award Kickoff (PAK) meeting.

Partnering (PAP) is described in Paragraph 1.9.2, below.

The Kickoff (PAK) portion of the meeting is described in the Southwest Division Design-Build Manual, which may be viewed at:

[SWDIV Design-Build Overview](#)

The goals of the PAK meeting are:

- a) To integrate the Contractor and all client representatives into the project team.
- b) To achieve consensus from the project team on any issues and concerns remaining following the completion of the Award of the Contract.
- c) To establish and explain policies and procedures for completion of a successful project.
- d) To establish clear lines of communication and points of contact for Government and Contractor team members.
- e) To obtain an approved conceptual design including floor and site plans, accepted by the client, Contractor and other key team members.

The following Contractor key personnel shall attend the PAK: Project Manager, Architect / Engineer Designer of Record (AEDOR), Superintendent and QC Manager. Optional attendees include: Contractor Principal-in-Charge, Assistant Project Manager, major subcontractors and specialized supplemental QC personnel.

At the PAK meeting the Contractor shall present and submit for acceptance a Preliminary Network Analysis Schedule as described in

Section 01321 to allow attendees to prepare for key future milestone events. The Design-Build Contractor, assisted by the AEDOR, shall lead discussions to develop an understanding of the accepted technical proposal and conduct a working session to develop the approved conceptual site and floor plans.

1.9.2 Partnering

The Partnering portion of the meeting will be a Level [A][B][C] Partnering Session. Specific requirements for the conduct of Partnering for this Project may be viewed at:

[Partnering Requirements](#)

1.9.3 Design Review Meetings

After Government oversight of each scheduled Design Submittal (see paragraph 1.15 "Design Submittals" below) has been completed, meet with the Contracting Officer at [_____] for a [one][two]-day conference to discuss Government oversight concerns relative to the specific design submittal. The Government expects to be presented with comprehensive multi-discipline design packages, which have been coordinated by the AEDOR. In addition, the Government expects that each scheduled design presentation shall be led by the Contractor and by his AEDOR. The Contractor shall prepare minutes of each meeting and present those minutes to the Contracting Officer within three calendar days following each meeting.

The 100% Design oversight meeting shall include discussion and finalization of the Baseline Network Analysis Schedule as described in Section 01321 of the RFP.

1.10 DESIGN DRAWINGS

It is the intent of the Government that the Design-Build procurement process should be streamlined by encouraging the Contractor to prepare necessary project specific drawings during the design phase of the Contract in lieu of traditional (more complete) generic procurement level drawings. For example, a portion of the design documents may be more like shop drawing submittals so that after final design acceptance, submittals are minimized. The goals of this strategy are:

- a. To avoid duplication of information and design effort,
- b. To improve coordination through early collaboration of designers and subcontractors, and
- c. To speed construction by eliminating the need for submittal and acceptance of shop drawings after construction has begun.

Therefore, the Contractor is encouraged to prepare and submit (with the design documents) appropriate composite, coordination, connection, fabrication, layout, and other project specific drawings.

1.10.1 Drawings Format

Prepare, organize, and present design drawings in the manner considered standard industry practice by the AIA as described in AIA AHPP, except as modified herein. Design drawings shall be complete, accurate, and explicit enough to show compliance with requirements and to permit construction. Prepare 559 x 864 mm "D" size drawings. Drawings shall be prepared using [metric][inch-pound] dimensioning. Each drawing shall bear the seal and signature of the registered architect, landscape architect, or professional engineer who prepared the design for the specific technical field. Prepare computer aided design (CAD) drawings on compact disk (CD) read only memory (ROM) media in an AutoCAD version [_____] ".dwg" file format. This CD-ROM shall be created using the "Pack'n Go" command in AutoCAD. All drawings shall be totally functional with all reference drawings intact. The disc shall also include electronic copies of the drawing files in Adobe ".pdf" format. Generate ".pdf" drawing files using a ".pdf" page size that corresponds to the original document sheet size and a ".pdf" print resolution that results in clear detail of all drawing features. File names shall correspond to the CAD file name, but with the standard ".pdf" file extension. Provide a text file listing all information shown below.

<u>CAD FILE NAME.</u>	<u>CAD REFERENCE NAME.</u>	<u>SHEET NO.</u>	<u>DWG NO.</u>	<u>NAVFAC NO.</u>	<u>SHEET TITLE</u>
-----------------------	----------------------------	------------------	----------------	-------------------	--------------------

1.10.2 Drawings Required

[As a minimum, prepare design drawings to incorporate the types of drawings needed by each design discipline in the detail required by the performance specification sections furnished with the RFP.]

[As a minimum, prepare design drawings to incorporate the types of drawings needed by each design discipline in the detail required by Paragraph's 7.4 through and including 7.4.9 of the Southwest Division AE Guide. The Contractor may, at his option, prepare drawings in greater detail than that required by Paragraph's 7.4 through and including 7.4.9 of the Southwest Division AE Guide. The Southwest Division AE Guide may be viewed at the following Internet website:

[SWDIV AE Guide](#)

1.11 SPECIFICATIONS AND MANUFACTURER'S DATA SHEETS

It is the Government's intent that the procurement process shall be streamlined by encouraging final product and material selections during the design phase in lieu of the use of prescriptive construction specifications and submittals following the completion of the design phase. Submit manufacturer's data sheets for materials, equipment, fixtures, devices, and systems that will be provided, clearly marked to indicate the exact item(s) to be included in the construction. Prepare prescriptive construction specifications only for those materials, products, or installation instructions that cannot be adequately described with manufacturer's data sheets. For each design submittal, consolidate specifications and manufacturer's data sheets into one comprehensive Product Data and Specifications manual organized by Construction Specifications Institute (CSI) 16 Division MasterFormat. Upon acceptance of Specifications and Manufacturer's Data Sheets by the Contracting Officer, all materials, equipment, fixtures, devices and systems, which are provided and

installed in the Project, shall be as described in the combined Specifications and Manufacturer's Data Sheets manual, which has been submitted by the Contractor and accepted by the Contracting Officer. Changes to specifications and/or manufacturer's product data previously accepted by the Government may be requested by the Contractor, but such requests shall be supported by written documentation from the AEDOR certifying that the change provides materials, equipment, fixtures, devices and systems which are of the same or better quality as the materials, equipment, fixtures, devices and systems previously accepted by the Government. No changes or substitutions will be accepted without the prior express written approval of the Contracting Officer.

1.11.1 Division 01 Specifications

The Division 01000 specification sections included in Part 3 of this RFP shall remain part of this contract without change unless a contract modification is issued by the Contracting Officer.

1.11.2 Construction Submittal Register

Prepare a submittal register that lists (in table format) submittals requiring Government acceptance. Include submittal description, applicable RFP Section and paragraph number, specification section and paragraph number, and planned submission date. Coordinate planned submission dates with network analysis schedule required by Section 01321 of the RFP.

1.12 SUSTAINABLE DESIGN

This facility shall be designed and constructed in an environmentally responsible manner, utilizing sustainable design concepts, systems and materials to the maximum extent practical, in order to provide a facility that meets the following goals:

- a. enhanced energy efficiency;
- b. reduction or elimination of toxic and harmful substances;
- c. high indoor air quality (IAQ) conditions;
- d. efficiency in resource and materials utilization;
- e. use of building materials that can be recycled;
- f. use of recycled content materials, including EPA designated products;
- g. minimization of waste products during both the construction and operation of the facility;
- h. promotion of O&M practices that reduce or eliminate harmful effects on people and the natural environment;
- i. ease of future modification as occupant needs change and ease of adaptation or conversion to other uses.

The Navy's sustainable design principles and guidelines are explained in the "Whole Building Design Guide" which may be viewed at the following website:

<http://www.wbdg.org/>

[and in the Air Force Environmentally Responsible Facilities Guide, which may be viewed at:

<http://www.afcee.brooks.af.mil/green.>]

1.12.1 EPA Designated Products

EPA designated products contain materials recovered from the solid waste stream. Federal agencies are required to give first preference to EPA designated products if they are competitively priced, available in a reasonable time frame, and meet performance standards. The intent is to conserve resources and reduce solid waste by developing markets for recycled products and encouraging manufacturers to produce quality recycled content products at competitive prices. Accordingly, the Contractor shall use products that meet or exceed the EPA guideline standards to the maximum extent possible in the performance of the contract. See

<http://www.epa.gov/cpg/products.htm>

for a list of EPA designated products and a list of manufacturers and suppliers of EPA designated products.

1.12.2 LEED Rating Analysis Report

Provide an analysis of the US Green Building Council's "Leadership in Energy and Environmental Design" (LEED) criteria as it applies to the design of this project and include that analysis with each design submittal. When estimating energy savings, use either the Design Energy Budget or ASHRAE 90.1 as the baseline. This analysis should not be interpreted as a contractual requirement to design to LEED criteria or to obtain any particular LEED rating. However, the Navy endorses the principles of sustainable design contained in the LEED rating system and will utilize this system as a means of measuring the degree of implementation of sustainable principles. The analysis report shall include the following:

- a. An explanation of each LEED point obtained by the project
- b. Total LEED score for the project
- c. Version of LEED being used for the analysis
- d. Statement signed by a registered professional engineer or architect that in their opinion the above three items provide an estimate of the LEED rating that could be assigned to the project design

For information on the LEED rating system, see

<http://www.usgbc.org/>.

1.13 DESIGN ANALYSES

Prepare design analyses (consisting of a basis of design and calculations) for each architectural and engineering design discipline. The design analyses shall include a presentation of facts to demonstrate that the concept of the project is fully understood and that the design is based on sound engineering principles. A design analysis for each discipline shall be provided with each design package and shall include:

- a. A basis of design consisting of:
 - (1) An introductory description of the project concept that addresses the salient points of the design;
 - (2) A Code and Criteria search, identifying governing codes and regulations, and providing calculations reflecting sizing of exit ways and means of egress demonstrating compliance with the results of the Code and Criteria search.
 - (3) An analysis of scope included in the Project design, including square [footage] [meter] areas provided in response to the Project RFP requirements;
 - (3) An orderly and comprehensive documentation of criteria and rationale for building and infrastructure systems selections; and
 - (4) The identification of any necessary licenses and permits that are anticipated to be required as a part of the design and/or construction process. [The "PERMITS RECORD OF DECISION" (PROD) form provided as an Attachment to this RFP shall be used for recording permits.]
- b. Calculations as needed to support the design. However, calculations supporting the structural, mechanical and electrical systems incorporated into the design and construction of the facility shall be completed to the level described in Chapter 6 of the Southwest Division AE Guide (link provided above).
- c. Also include a Section titled "Sustainable Design" that documents the sustainable features of the project. The sustainable design section shall include the following:
 - (1) LEED Rating Analysis Report
 - (2) List of EPA designated products specified for use in the project. Provide justification for any EPA designated products that are used in this project but do not meet or exceed EPA guidelines for recovered content.
 - (3) Other information necessary to describe the sustainable features of the project and their benefits.

1.13.1 Format

A Basis of Design shall be submitted to the Contracting Officer during over-the-shoulder oversight meetings. The Basis of Design is for information only, but will be utilized by the Contracting Officer to verify compliance with the requirements of the Contract. The Basis of Design for each design discipline shall include a cover page indicating the project title and location, contract number, table of contents, and tabbed separations for quick reference. Each part of the design analysis shall be prepared on 213 x 275 mm (8.5 x 11 in) white paper and shall be bound in separate volumes for each design discipline. Multiple volumes for individual disciplines, appropriately numbered, may be provided when needed. Organize as follows:

- a. Architectural;
- b. Interior Design and Furnishings;
- c. Civil;
- d. Landscape Architecture;
- e. Structural;
- f. Mechanical - HVAC;
- g. Mechanical - Plumbing;
- h. Electrical;
- i. Fire Protection; and
- j. Sustainable Design.

1.13.2 Calculations

Calculations shall be submitted to the Contracting Officer during over-the-shoulder oversight meetings. Calculations submittals are for information only, but will be utilized by the Contracting Officer to verify compliance with the requirements of the Contract. Calculations for each design discipline shall include a cover page, a table of contents, a summary of criteria, the project title and location, and contract number. Calculation pages shall be legible and photo-ready. Cite criteria from which calculations, rationale, and formulas are extracted by publication number, title, edition and page number. The cover page of calculations shall also include the names of the persons originating and checking the calculations. The person checking the calculations shall be a registered professional engineer (or other appropriate design discipline) other than the originator. In addition, the signature and seal of the designer responsible for the work shall be placed on the cover page of the calculations for each of the respective design disciplines.

Computer printouts, if used, shall be identified similarly to the calculations and may be referenced as an appendix or attachment to the design analyses. Identify the computer program name, source, and

version. Schematic models used for computer input shall also be provided.

1.13.3 Instructions for Calculating Project Areas

In order to verify that the designed building gross area does not exceed the project requirements, calculate the gross area of the designed building based on the following criteria:

Enclosed Spaces: The gross area includes the total area of all floors, including mezzanines, basements, penthouses, and other enclosed spaces as determined by the outside dimensions of the building. Enclosed stairwells, elevators, utility chases, and mechanical rooms are included as part of the floor area which they occupy.

Exception: For buildings greater than four stories in height, vertical chases for mechanical systems, elevators and exit stairways may be counted at one half actual size for purposes of calculating gross area.

One-Half Spaces: One-half of the area shall be included in the gross area for balconies and porches, covered but not enclosed entrances, covered raised loading platforms, covered ground level or depressed loading facilities, covered but not enclosed walks or passageways, covered and uncovered but not enclosed exterior stairs, and covered ramps.

Excluded Spaces: Crawl spaces; exterior uncovered loading platforms or facilities, either depressed, ground level, or raised; open courtyards; open paved terraces; roof overhangs and soffits; uncovered ramps; uncovered stoops; and utility tunnels and raceways should be excluded from the gross area.

The gross area calculation must be documented on all submittals using a diagrammatic sketch. An example of an acceptable diagrammatic sketch will be provided upon request.

The above guidelines cover most conditions that are likely to be encountered. When doubt arises about a gross area calculation, contact the Contracting Officer for direction.

1.14 ARCHITECTURAL RENDERING

1.14.1 Perspective Sketch

Prepare a perspective sketch of proposed rendering, with labeling and matting space shown. The sketch should be a [two vanishing point view accurately proportioned, of front and primary approach sides of facility] ["bird's eye view" rendering which shows the architectural style, massing, and compatibility with the established base urban design]. The perspective sketch shall be submitted for approval along with the first Required Design Submittal Package.

1.14.2 Rendering

Based on the approved sketch, render exterior finish indications, which are coordinated with "exterior finish materials." Provide the original color rendering and two color full-size photo copies, along with a photo negative of the rendering. The original and copies of the rendering shall be mounted on acid free board, double matted (acid free matting), and metal framed with non-glare transparent plastic, and with the required labeling. Completed and framed renderings shall be submitted along with the final design.

1.14.3 Labeling

Framed renderings are to include the project title and location, Southwest Division Naval Facilities Engineering Command and Activity Command logo, and Contractor identification on the matting. On the back of renderings and photocopies, indicate the project title and location, the contract number, and date of reproduction.

1.15 DESIGN SUBMITTALS

There are two categories of design submittal packages -

- a. Early Start Design Submittal Packages for construction activities that will begin prior to the acceptance of the Final Design, and
- b. Required Design Submittal Packages that are comprehensive, fully coordinated, multi-discipline packages.

1.15.1 Early Start Design Submittal Packages

Early Start Design Submittal Packages should be limited to project elements that can be shown to impact the critical path of the Network Analysis Schedule per Section 01321, requiring construction to begin prior to the Government acceptance of the Final Design. An Early Start Design Submittal Package shall include all Design Analyses, Calculations, Drawings, Specifications and Product Data required to fully describe the project element for Government review. Early Start Design Submittal Packages may be proposed by the Contractor as part of the Preliminary Network Analysis Schedule that is presented and discussed during the Post Award Kickoff (PAK) Meeting. Examples of project elements that may be submitted as Early Start Design Submittal Packages are: demolition, site work, exterior utilities, foundations, structural frame, or any other construction activity or project element that can be organized into a submittal package that can be reviewed and accepted by the Government without being contingent upon subsequent design submittals. Advanced purchase of "long lead" equipment, such as mechanical, electrical, or conveyance systems may be considered as justifiable and legitimate early start design packages, subject to agreement of the Contracting Officer.

1.15.2 Required Design Submittal Packages

The establishment of requirements for Design Submittal Packages shall not be construed as a description of the maximum level of contact among the parties involved in the execution of the Contract. More frequent meetings for additional oversight, coordination, problem solving and decision-making are encouraged. The following design submittal packages are required and shall be identified and scheduled

in the Preliminary Network Analysis Schedule (see Section 01321). These submittal packages shall be consolidated, fully coordinated, multi-discipline design submittals that include all project elements and Early Start Design Submittal Packages.

- a. [Schematic Design- (approx. 15%). Incorporate changes from the PAK meeting and submit the schematic design within [_____] [30] days after that meeting. All discipline work shall be started. Include the perspective sketch of the architectural rendering as a part of the schematic design.]
- b. [In-progress Design Development (35%). Incorporate comments from all previous design submittal packages. Provide design analyses, calculations, manufacturer product data, specifications and [half-size][full-size] drawings for all disciplines representing a stage of design that is essentially [35%][___] complete in all respects.]
- c. 100% Design. Incorporate comments from all previous design submittal packages. Provide updated design analyses, calculations, [half-size][full-size] drawings, specifications, and manufacturer's data sheets. The submittal shall include consolidated specifications and manufacturer's data sheets organized by Construction Specifications Institute (CSI) 16 Division MasterFormat, and a complete set of fully developed design drawings organized by discipline.
- d. Final Design. Incorporate comments from the 100% submittal review and submit original design documents. Include the original color architectural rendering and color photocopies as a part of the final design. The final design submittal shall serve as the record design for the project. All materials, products and equipment represented by specific manufacturer catalog cuts and product data shall be for the exact item or product intended to be used in construction.

1.15.3 Design Certification

- a. Provide certification signed by an officer of the Contractor's company attesting the Design meets the requirements of the Contract. The certification shall accompany each submittal package.
- b. Provide a certification by the Project AEDOR attesting to the fact that the entire submittal package has been reviewed by and coordinated by the AEDOR for compliance with the Contract.
- c. Provide certification that the design does not require or permit the use of a Class I Ozone Depleting Substances in the project. The certification shall accompany the submittal of the original design documents.
- d. Electronic data provided by the Contractor must be virus free. All computer diskettes, compact disks, and modem transmissions of data must be scanned with computer virus detection software prior to being forwarded. With each diskette, compact disk,

or modem transmission of data, provide a certification of the anti-virus software used and a statement that it is free of detectable viruses.

1.15.4 Copies of Design Documents

Provide copies of each design submittal package for review as follows:

- a. [8][__] copies to the Southwest Division Project Leader;
- b. [2][__] copies to the Activity Public Works Officer (PWO) (not required for final design submittal); and
- c. [4][__] copies to the Resident Officer in Charge of Construction (ROICC).
- d. [2][__] copies to the [claimant] (not required for final design submittal).

(NOTE: Hand-carry or send by overnight express mail.)

Addresses for mailing will be furnished by the Contracting Officer at the PAK meeting.

1.15.5 Original Design Documents

After Contracting Officer acceptance of the Final design, provide the following original documents: one set of CAD CD-ROM disks and one set of 559 x 864 mm "D" size drawings on bond paper with original AEDOR seals and signatures; design certifications; original and color photo copies of architectural renderings; originals of specifications and manufacturer's data sheets; original design analyses, complete in all respects and with accepted changes incorporated as a result of oversight comments, to the Southwest Division Project Leader. Include along with this submission written responses to each Government oversight comment. In addition, provide copies of specifications and manufacturer's data sheets and half-size copies of the accepted drawings as follows:

- a. [8] copies to the Southwest Division Project Leader;
- b. [2] copies to the PWO; and;
- c. [4] copies to the ROICC.

1.15.6 Final Design

The Final design, when accepted by the Government, shall become an accepted deliverable under the contract. Changes to accepted design submittal packages including the final design, require prior written approval by the Contracting Officer. Contracting Officer oversight and acceptance of design submittal packages, including the final design, shall not be construed as a waiver of requirements where those requirements may have been erroneously expressed or omitted from the Contractor prepared design documents, unless such variations have been specifically noted by the Contractor and accepted in writing by the

Contracting Officer. These documents shall further define the construction for this project.

1.15.7 As-built drawings

After construction has been completed, provide to the ROICC a conformed set (an updated CAD CD-ROM disk) of the Final Design that incorporates as-built construction. This CD-ROM shall be created using the "Pack'n Go" command in AutoCAD. All drawings shall be totally functional with all reference drawings intact. The disc shall also include electronic copies of the drawing files in Adobe ".pdf" format. Generate ".pdf" drawing files using a ".pdf" page size that corresponds to the original document sheet size and a ".pdf" print resolution that results in clear detail of all drawing features. File names shall correspond to the CAD file name, but with the standard ".pdf" file extension. Provide a text file listing all information shown below.

CAD FILE NAME. CAD REFERENCE NAME. SHEET NO. DWG NO. NAVFAC NO. SHEET TITLE

Additionally, provide D-size mylar drawing originals made from the updated CAD CD-ROM disk and two copies of half-size as-built drawings made from the mylars. Include NAVFAC title blocks, drawing numbers, seals, and signatures on the as-built drawings. Format for drawings and title blocks is available at:

[Drawing Format and Title Block](#)

NAVFAC drawing numbers will be made available approximately 30 days prior to scheduled design completion date. Instructions will also be provided at that time on how to fill-in the spaces shown on the title block.

1.16 SCHEDULING CONSTRAINTS

1.16.1 Government Review Time for the Design

The project Network Analysis Schedule per Section 01321 shall include Government oversight time (from receipt of submittal to return of comments to Contractor) for the Design as follows: Early Start Design Submittal Package reviews [14] days; [Schematic Design review [10] calendar days;] [In-progress Design review [14] calendar days;] 100% Design review [14] days; Final Design review [14] calendar days. The oversight meeting for Required Design Submittals will be held within 7 calendar days after return of comments to the Contractor.

1.16.2 Construction prior to Final Design Acceptance

Construction work cannot be started on any definable feature of work until government acceptance of design, permit approval, and a written authorization to commence (Notice to Proceed) the specific construction is received from the Contracting Officer.

PART 2

Not Used.

PART 3

Not Used.

-- END OF SECTION --