



WHAT'S NEW IN FACILITY DESIGN REQUIREMENTS

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NAVFAC Atlantic
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WHAT'S NEW IN FACILITY DESIGN REQUIREMENTS



OBJECTIVES

- **Recognize What is New**
- **Where to Find DB Master document changes**
- **Provide Insight when Preparing New RFPs or Proposals**

WHAT'S NEW IN FACILITY DESIGN REQUIREMENTS



1. DELIVERY VEHICLE

2. DOCUMENTS CHANGES

WHAT'S NEW IN FACILITY DESIGN REQUIREMENTS



NEW DB WEBSITE

- **Began a update in FY-2007**
- **Updated Original Website Documents**
- **Established the Standard Template for the Original Website Documents**
- **Created or Updated UFCs for Model RFPs**
- **Created 9 Model Templates**
- **Created new DB Model RFP Website**
- **Created a Maintenance Website**

WHAT'S NEW IN FACILITY DESIGN CRITERIA



WBDG
WHOLE BUILDING DESIGN GUIDE

The Gateway to Up-To-Date Information on Integrated 'Whole Building' Design Techniques and Technologies

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DOCUMENTS & REFERENCES

NAVFAC Design-Build Request for Proposal

Overview and Training

Design Guidance

Standard Template

Model Request for Proposal

Small Project Template

NAVFAC Design-Build RFP

NAVFAC Design-Build Request for Proposal Web Site

Welcome to the NAVFAC Design-Build Request for Proposal (RFP) web site. This site is intended to:

1. Familiarize those new to the NAVFAC Design-Build (DB) process with the format, tools, and typical RFP documents.
2. Provide a NAVFAC [Standard Template](#) to develop RFP requirements for projects that do not utilize the Model RFPs.
3. Provide NAVFAC [Model RFP Templates](#) which include advanced editing for various building types.
4. Allow those preparing DB RFPs the ability to download the most current versions of electronic documents.
5. Provide a working version of [Unifomat/ Work Breakdown Structure](#) that is employed in the structure of these RFP documents.
6. Allow those preparing DB projects, access to the most current Unified Facility Criteria (UFC) criteria. Most UFCs are posted on the Whole Building Design Guide (WBDG) UFC Webpage, however some UFCs applicable to DB that have completed NAVFAC development but have not completed DoD Unification are temporarily posted on this website. These UFCs posted under Design Guidance have

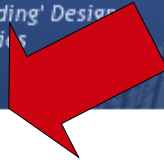
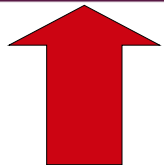


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Construction
Criteria
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[NAVFAC Design-Build RFP](#) > [Standard Template](#)

NAVFAC Design-Build Model Request for Proposal - Standard Template

Browse

Click on a part below to browse the contents of the *Standard Template* RFP. You can download individual files within each section.

[PART ONE - PROPOSAL FORMS & DOCUMENTS](#)

[PART TWO - GENERAL REQUIREMENTS](#)

[PART THREE - PROJECT PROGRAM](#)

[PART FOUR - PERFORMANCE TECHNICAL SPECIFICATIONS](#)

[PART FIVE - PRESCRIPTIVE SPECIFICATIONS](#)

[PART SIX - ATTACHMENTS](#)

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DOCUMENTS & REFERENCES

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- Armory

- Child Development Center

- Dining Facility

- Entry Control Facility

- Fire Station

- Fitness Center

- Hangar

- Magazine

- Market Style BEQ

Small Project Template

[NAVFAC Design-Build RFP](#) > Model RFPs

NAVFAC Design-Build Model Request for Proposal

Select a model RFP below for more information and downloads:

- [Armory](#)
- [Child Development Center](#)
- [Dining Facility](#)
- [Entry Control Facility](#)
- [Fire Station](#)
- [Fitness Center](#)
- [Hangar](#)
- [Magazine](#)
- [Market Style BEQ](#)



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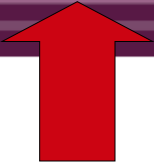


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- DOCUMENTS & REFERENCES
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- Small Project Template



[NAVFAC Design-Build RFP](#) > Small Project Template

NAVFAC Design-Build Request for Proposal - Small Project Template

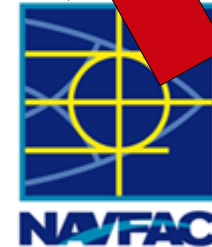
The Small Project Template is a scaled down version of the Standard Template. It was developed to minimize the effort required to prepare a six part Request for Proposal (RFP) and to administer the contract for a select group of small or simple, single trade and low risk projects. The individual Unified Facilities Guide Specifications (UFGS) used in Part 2 General Requirements of the Standard Template have been scaled down and combined in two separate Word documents (Part 2 and Part 2 - Attachment A) for the Small Project Template. Part 2 is not intended to be edited, while Part 2 - Attachment A contains project specific general requirements that may either modify and/or supplement the corresponding standard paragraphs in the Part 2 General Requirements section.

A Decision Guidance form for use of Small Project Design-Build Process is also available as a downloadable document.

These documents are available in the following formats:

Microsoft Word (DOC)

Small Project Template in Word - All sections combined into one compressed file. (02-



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Construction Criteria Base

WHAT'S NEW IN FACILITY DESIGN REQUIREMENTS




Download

There are two methods to downloading the set of documents:

(A) Download the entire set as a ZIP file - choose either the standard set of documents to download or choose the customizable set of documents to download:

These documents are available in the following format:

 Microsoft Word in compressed ZIP

1 - Standard Set of Documents

Standard Template (Wed Mar 31 18:23:41 -0500 2010) [ZIP](#)

2 - Customizable Set of Documents

You may add your company name, work order number, and project name to the documents that are a part of this RFP – [Customize the RFP](#).

(B) Download documents individually:

[Download individual documents.](#)

Archives

[View previously published versions of this document.](#)

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NAVFAC Design-Build Request for Proposal

Overview and Training

– RFP Format

– Uniformat Structure

– **Contacts and Document Maintenance**

Design Guidance

Standard Template

Model Request for Proposal

Small Project Template

NAVFAC Design-Build RFP Contacts and Document Maintenance

The following list of NAVFAC experts are involved in the development and maintenance of the Design-Build (DB) RFP documents. Any updates or changes to the DB documents will be evaluated and incorporated in future document revisions by the NAVFAC Architectural/Engineering Technical Discipline Leaders (TDL), Technical Discipline Managers (TDM), the Subject Matter Experts (SME), or the Specialized Community of Practice (SCP) Experts below.

If during the use of these DB documents, errors are discovered that need to be corrected or project changes are utilized that may improve the DB Template documents, please contact the appropriate TDL, TDM, SME and /or SCP on the attached list. Follow the instructions below and forward your questions, comments, or suggestions to the following listed experts to distribute proposed modifications to the correct person.

1. **Standard RFP and Small Project Template Revisions**—Discuss proposed technical changes and updates of the DB documents with the Technical Discipline Manager (TDM) or Technical Discipline Coordinator (TDC) associated with your NAVFAC Component. If it is determined that the DB Template documents could benefit from a requirements revision, forward the proposed change to the appropriate Architectural/ Engineering TDL or TDM. These proposed changes should be of a magnitude that will affect the (1) Standard RFP Template, (2) the Small Project Template, (3) and all Model RFP Templates. These proposed revisions should not be of a regional nature. Send a coordination copy of the proposed change to Calvin

WHAT'S NEW IN FACILITY DESIGN REQUIREMENTS



1. **Standard RFP and Small Project Template Revisions**—Discuss proposed technical changes and updates of the DB documents with the **Technical Discipline Manager (TDM)** or **Technical Discipline Coordinator (TDC)** associated with your NAVFAC Component. If it is determined that the DB Template documents could benefit from a requirements revision, forward the proposed change to the appropriate Architectural/ Engineering TDL or TDM. These proposed changes should be of a magnitude that will affect the (1) Standard RFP Template, (2) the Small Project Template, (3) and all Model RFP Templates. These proposed revisions should not be of a regional nature. Send a coordination copy of the proposed change to Calvin Crofford from the list below.
2. **Geotechnical, Interior Design, and Landscape Architecture Revisions**—For the disciplines of Geotechnical, Interior Design, and Landscape Architecture refer your proposed technical changes and updates to the appropriate **Specialized Community of Practice (SCP)** representatives listed below. These proposed changes should be of a magnitude that will affect the (1) Standard RFP Template, (2) the Small Project Template, (3) and all Model RFP Templates. These proposed revisions should not be of a regional nature. Send a coordination copy of the proposed change to Calvin Crofford from the list below.
3. **Model RFP Template Revisions**—If during the use of the Model RFP documents errors are discovered or project changes are utilized that may improve the Model RFP Template documents or the related Unified Facility Criteria (UFC), forward the proposed change to the appropriate **SME** in the attached list. The SME will coordinate the proposed revision with client Commands and determine if a change will be implemented. These proposed changes should be of a magnitude that will effect a specific (1) Model RFP Template, (2) the UFC related to that Model RFP, (3) or both the Model RFP and the related UFC. This type of change would not be expected to affect the Standard RFP Template, the Small Project Template, or the other Model RFP Templates. Send a coordination copy of the proposed change to Calvin Crofford from the list below.
4. **NAVFAC DB Website Revisions**—If during the use of the NAVFAC DB RFP website errors are discovered that need to be corrected, portions of the website are not functional, or improvements to the website are envisioned, please send your proposed changes to **Calvin Crofford** from the list below.

WHAT'S NEW IN FACILITY DESIGN REQUIREMENTS



2. DOCUMENT CHANGES

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RFP Part 2

New RFP Cover Sheet

- *2.0 Identify Lead Professional, Design Team, and Firm address, Seal*

01 20 00.05 Price and Payment Procedures

- *1.3.1.1 Additional Facility Price Data*
 1. a. Mail cost data to CI Cost
- *1.3.4 Real Property Assets*
 1. Modified requirements and instructions for DD 1354
- *1.5.1 Contents of Invoice*
 1. Introduced the requirements for Wide Area Work Flow

01 31 19.05 20 Post Award Meetings

- **Created environment for Assessment Management transfer of information, Real Property Officer to come to PAC meetings**
- **1.3.5.1/ 1.3.6.1 Added Cost Estimator to Contractors PAC Team attendees**

WHAT'S NEW IN FACILITY DESIGN REQUIREMENTS



01 33 10.05 20 Construction Submittal Procedures

- **1.2 Submittal description for SD - 11 includes**
 1. DD form 1354
 2. Sustainable Record Card

01 33 00.05.20 Design Submittal Procedures

- **1.2 Updated UFC References**
 1. Structural
 2. Electrical
- **1.4 Added Submittals**
 1. DD Form 1354
 2. Sustainable Record Card
- **1.8 Changed Design Analysis to Include**
 1. 1.11.13 Sustainable Record Card
 2. 1.11.14 DD Form 1354
 3. 1.8.5 Fall Protection
 4. 1.8.6 Ergonomic Analysis
- **2.2.5 Contractor Distribution of Final Design Documents to Government**

WHAT'S NEW IN FACILITY DESIGN REQUIREMENTS



01 35 29.05 20 Safety and Occupational Health Requirements for Design-Build

- All New Section for DB and the Small Project Template
- The EM385-1-1 Change the Contractors Site Safety Officer Requirement Levels to be more of a performance statement – So we removed the editing of experience SSO levels from our DB specification.
- Coordinated with the DBB Safety Spec dated Feb 2010
- Eliminated redundancy
- Clarified Requirements for Ergonomics and Fall Protection

RFP Part 3

Chapter 2

- ***2.3 Project Specific Priorities***
 1. *2.3.1 Sustainable Design* – Updated to include LEED-NC Version 3
 2. Updated NAVFAC Required LEED credits to coordinate with LEED-NC Version 3 Numbering
- ***2.3.2 Storm Water Management (Low Impact Development)***
 1. New Requirement

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RFP Part 3

Chapter 2 (continued)

- *2.3.5 Accessibility Requirements*
 1. Using the New DOD ABA Accessibility Standard, plus the DOD Memorandum for Service Exceptions

Chapter 5

- **Room Requirements NOW IN PORTRAIT FORMAT**

Chapter 6

- *A10 - Structural*
 1. Converted Navy only Structural UFC 3-300-10N to Tri-Service UFC 3-301-01
 2. Eliminated Structural UFC 3-310-01 for Loads moved to new UFC 3-301-01
- *A10 – Geotechnical*
 1. Clarified the role of the RFP Geotechnical Information
 2. Clarified that Contractor must depend on his own Geotechnical investigation and data for design
 3. Gave the RFP Editor the choice to have the Contractor's Geotechnical Engineer on site for investigation and tests

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RFP Part 3

Chapter 6 (continued)

- ***A20 Basement Construction/ B10 Superstructure/ F10 Special Construction***
 1. Updated Structural UFC Numbers
- ***B20 Building Envelope***
 1. *B1201003 Insulation and Vapor Barriers* ADDED a bracketed option to require the Contractor of test the Air Barrier
- ***B30 Roofing***
 1. *B30 General Systems Description* ADDED a bracketed option to allow the RFP Editor to Require the Contractor to conduct a Pre Roof Design Conference to organize the equipment that is being to be roof mounted
 - Solar Hot Water
 - Photovoltaic
 - HVAC
- ***C10 Interior Construction/ C30 Interior Finishes***
 1. Changes throughout to coordinate with the Interior Design use of Unifomat

WHAT'S NEW IN FACILITY DESIGN REQUIREMENTS



RFP Part 3

Chapter 6 (continued)

- ***D20 Plumbing***

1. Updated all ASME and ASTM references
2. *D201090/ D202003* ADDED tempering valves for emergency showers and eyewashes
3. *D203003* ADDED floor drains for indoor condensate drainage
4. *D204090* ADDED option for storm water filtration and rain water harvesting

- ***D30 HVAC***

1. Updated all ASME and ASTM references
2. *D301005* ADDED option for solar energy supply systems
3. *D306001* Significant update to DDC controls section
4. *D303001/ D302001* ADDED Update for DDC control of Boilers and Chillers
5. *D303001* Changed chillers requirement to allow magnetic bearing compressors

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RFP Part 3

Chapter 6 (continued)

- ***D50 Electrical***
 1. *D509007* ADDED Editor option for contractor to design of a photovoltaic system for the facility
 2. Updated the references to Electrical Tri Service UFC 3-501-01
- ***E10 Equipment***
 1. *E102009* Created a new paragraph for audio visual equipment
- ***E20 Furnishings***
 1. ALL NEW SECTION, don't use your old version
 2. Changes based on the new NAVFAC FF&E Guide. Finally have one approved way to procure DB turnkey furnishings
- ***G30 Site Civil/ Mechanical Utilities***
 1. *G303007* Storm Water Management. ADDED new LID Requirement
- ***G40 Site Electrical***
 1. Updated the references to Electrical Tri Service UFC 3-501-01

WHAT'S NEW IN FACILITY DESIGN REQUIREMENTS



RFP Part 4

- ***A10 Foundations/ A20 Basement Construction/ F10 Special Construction/ G10 Site Preparation***
 1. *A10/ A20 1.1.1* Converted Navy only Structural UFC 3-300-10N to Tri-Service UFC 3-301-01 Updated
 2. Eliminated Structural UFC 3-310-01 for Loads moved to new UFC 3-301-01
 3. *A10/ A20 1.2.2* Updated requirements for Geotechnical reports
- ***B10 Superstructure/ B20 Exterior Enclosure***
 1. Updated Structural UFC Numbers
- ***B20 Exterior Enclosure***
 1. *B20 1.2.1 Brick Masonry Field Sample.* Many updated requirements
 2. *B20 1.2.3 Air Barriers Performance Testing.* Significant new requirements
 3. *B20 1.4 Construction Submittals.* DOR approval of Air Barrier
 4. *B201003 1.2 Air Barriers*
 - Updated Air Barrier material specification
 - Requires Air Barrier design on drawings
 5. *B201009 1.1* Clarified VOC Paint requirements to use MPI Standards
- ***B30 Roofing***
 1. *B301.2* Moved definition of “significant roof” to appropriate location
 2. *B30 1.2.1* ADDED requirements for Pre-design Roof Conference

WHAT'S NEW IN FACILITY DESIGN REQUIREMENTS



RFP Part 4 (continued)

- ***C10 Interior Construction***

1. *C101002 Demountable Partitions.* New requirements

- ***C30 Interior Finishes***

1. *C304001* Enhanced performance of our paints by requiring LEED VOC Averaging.
2. *C302011 1.6 Raised Access Flooring.* New installation requirements

- ***D20 Plumbing***

1. *D202003 1.2.2* Coordinated gas fired water heater requirements with reference document
2. *D209005 1.1* Updated air compressor specification and required the use of duplex type air compressors
3. *D201001 1.1/1.2/1.3/1.4* Lowered maximum water usage of water closets to 1.28 gpf
4. *D202003 1.5* Required "potable water rated" diaphragm in expansion tanks
5. *D202003 1.4* Required VFD operation on water booster pump systems

WHAT'S NEW IN FACILITY DESIGN REQUIREMENTS



RFP Part 4 (continued)

- ***D30 HVAC***
 1. Updated ASME and ASTM references
 2. *D301005* ADDED new requirements for solar energy supply systems
 3. *D303002 1.1.2* Required certification or listing of water source heat pumps
 4. *D306001* ADDED new requirements for DDC controls
- ***D50 Electrical***
 1. Updated UFC Numbers
 2. Updated References Standards
 3. *D509007 Building Photovoltaic System*. Added New requirements
- ***E20 Furnishings***
 1. This is a NEW SECTION
 2. Coordinates with the "NAVFAC FF&E Guide for DB Construction Projects"
- ***G40 Site Electrical***
 1. Updated UFC Numbers
 2. *G40 1.3.4* New Medium Voltage Cable Splicer Requirement

WHAT'S NEW IN FACILITY DESIGN REQUIREMENTS



ON THE HORIZON

1. **New Partnering Requirement**
2. **Referencing of the UFC 1-200-01, Building Requirements**
3. **Optional requirements to allow the RFP editor to require the contractor to combine a portion or all of the construction submittals into the design submittals.**

WHAT'S NEW IN FACILITY DESIGN CRITERIA

