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NAVFAC PTS-F10 (September 2022)  
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Preparing Activity: NAVFAC SUPERSEDING PTS-F10 (December 2018)  
  
PERFORMANCE TECHNICAL SPECIFICATION  
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SECTION F10  
  
SPECIAL CONSTRUCTION  
09/22

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NOTE: This section is intended to be used as a guide and contains requirements that are common to many different types of facilities. In addition, there may be special requirements for a particular project that are not addressed at all. The RFP preparer will need to incorporate additional information to address these special requirements in this PTS and corresponding Part 3 ESR. If the RFP Preparer chooses to delete building elements that are not required for the project, do not change the remaining Uniformat paragraph designations (example A102001). Uniformat designations are unique to the products they are assigned to. However, the subparagraphs numerical extension (example – 1.2 or a,b,c of the Uniformat designations may change if subparagraphs are deleted.  
  
This guide specification is formatted utilizing Uniformat II, an industry recognized standard, ASTM E 1557. When the RFP preparer chooses to add a paragraph that does not apply to an existing building element already included in the specification, refer to the Uniformat/WBS located on the NAVFAC Design-Build Website for a listing of Uniformat II designations and definitions.  
  
NOTE: The RFP preparer may view or hide the criteria notes in this PTS section by modifying the WORD preferences for "Hidden text". To view the criteria notes, choose "File" then "Option". Click "Display" then check the "Hidden text" box under "Always show these formatting marks on the screen". In the same section, check the box for "Print hidden text" under "Printing options" to print the criteria notes.  
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NOTE: The following Table of Contents is for navigation purposes within the document and is not intended to be part of the final edited documents.  
  
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**F10 GENERAL**

RFP Part 3 including the Engineering System Requirements (ESR) provide project specific requirements. The RFP Part 4, Performance Technical Sections (PTS) provide generalized technical requirements that apply to multiple facility types and include more requirements than are applicable to any one project. Therefore, only the RFP Part 4 requirements that apply to the project and further define the RFP Part 3 project specific requirements are required.

**F10 1.1 DESIGN GUIDANCE**

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NOTE: This Performance Technical Specification (PTS) has been developed to utilize certain UFGS sections for prescriptive requirements. However, there may be rare occasions when additional prescriptive specifications may be identified by the Engineering Systems Requirements (ESR) to be edited by the Contractor's Designer of Record. If other UFGS sections or standards are to be referenced in this PTS section, list those not covered by the UMRL in the following two paragraphs.  
  
If the product or system is new and not covered in the PTS, provide a new paragraph and heading. If the product or system is presently covered in the PTS but is being changed by the reference to the UFGS, edit the PTS paragraphs to eliminate redundancy or conflicts. In either case, identify the UFGS section in the products and materials (UNIFORMAT II/WBS level 4) text of the PTS as follows:   
  
"Uniformat II/WBS Number – Paragraph Number Paragraph Heading   
The Designer of Record must utilize UFGS Section Number, "Section Title" for the project specification, and must submit the edited specification section as a part of the design submittal for the project."  
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Provide the design and installation in accordance with the following references. This Performance Technical Specification (PTS) adds clarification to the fundamental requirements contained in the following Government Standards. The general requirements of this PTS section are located in PTS Section Z10, *General Performance Technical Specification*.

Industry standards, codes, and Government standards referenced in the section text that are not found in the [Unified Master Reference List (UMRL)](https://www.wbdg.org/ffc/dod/unified-master-reference) in the [Federal Facility Criteria (FFC)](https://www.wbdg.org/ffc/federal-facility-criteria) at the [Whole Building Design Guide (WBDG)](https://www.wbdg.org/) website, are listed below for basic designation identification. Comply with the required and advisory portions of the current edition of the standard at the time of contract award.

**F10 1.1.1 Government Standards**

UNIFIED FACILITIES CRITERIA (UFC)

|  |  |
| --- | --- |
| UFC 1-200-01 | DoD Building Code (A reference in this PTS section to UFC 1-200-01 requires compliance with the Tri-Service Core UFCs that are listed therein, which includes the following significant UFC(s): UFC 3-101-01, Architecture UFC 3-301-01, Structural Engineering) |
| UFC 1-200-02 | High Performance and Sustainable Building Requirements |

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NOTE: Utilize this paragraph to list tests to be performed by the Contractor as required by the Designer of Record (DOR). Delete the paragraph if there is to be no testing cited.  
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**F10 1.2 PERFORMANCE VERTIFICATION AND ACCEPTANCE TESTING**

Provide verification of satisfactory special construction system performance via Performance Verification Testing, as detailed in this section of the RFP. Provide special tests and special inspections in accordance with Part 2 Section 01 45 00, *Quality Control*.

**F10 1.3 DESIGN SUBMITTALS**

Provide design submittals in accordance with Z10, *General Performance Technical Specifications*, Part 2 Section 01 33 10.05 20, *Design Submittal Procedures*, Facilities Criteria (FC) 1-300-09N, *Navy and Marine Corps Design Procedures*, UFC 3-101-01, *Architecture*, and UFC 3-301-01, *Structural Engineering*.

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NOTE: NAVFAC has made every effort to use commercial standards in the PTS sections. If project requirements dictate the use of a UFGS section as a standard, add a paragraph here listing the required UFGS section. State in the paragraph that the DOR must edit this UFGS section in accordance with PTS Z10 and submit it as a part of the design submittal.   
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**F10 1.4 CONSTRUCTION SUBMITTALS**

Submit construction submittals in accordance with PTS Section Z10, *General Performance Technical Specifications*. In addition to the Z10 requirements, the Designer of Record (DOR) must approve the following submittals as a minimum:

All structural elements necessary for construction.

For a pre-engineered metal building, provide shop drawings showing engineering data and complete building drawings, signed and sealed by a registered professional engineer.

**F1010 SPECIAL STRUCTURES**

**F101091 BUS SHELTERS**

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NOTE: Specific attributes shall be identified during RFP development meeting with base personnel i.e., Polycarbonate glazing, steel structure, etc. Describe attributes below.  
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**F101092 WAITING SHELTERS**

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NOTE: Specific attributes shall be identified during RFP development meeting with base personnel i.e., Polycarbonate glazing, steel structure, etc. Describe attributes below.   
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**F101093 PREFABRICATED GUARD BOOTHS**

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NOTE: Specific attributes shall be identified during RFP development meeting with base personnel i.e., steel structure, etc. Describe attributes below.   
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Prefabricated Guard/Sentry booths must comply with ballistic requirements of UL 752, Level [3] [ ].

**F1030 SPECIAL CONSTRUCTION SYSTEMS**

-- End of Section --