**6. ENGINEERING SYSTEMS REQUIREMENTS**

**E10 EQUIPMENT**

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SYSTEMS REQUIREMENTS  
EQUIPMENT TEMPLATE 09/22  
  
Instructions for using this template: There are template files for each UNIFORMAT Level 2 Group Elements. This template is for Group Element E10-EQUIPMENT. Text such as this is hidden text that will not print when the hidden text box in "Print/Options" is un-checked.  
  
The Architectural Member must edit this template for the requirements of the project. The SYSTEMS REQUIREMENTS are intended to define items that are required throughout the facility or on a system wide basis that is common to several rooms. Room-specific requirements are defined in the Part 3 Chapter 5 ROOM REQUIREMENTS section. Coordinate with the lead programmer for ROOM REQUIREMENTS. Editing is required where brackets [ ] appear. Delete all building elements that are not required for the project. If additional elements or sub-elements are required for the project that do not appear in the template, refer to the NIST UNIFORMAT II publication for additional building element numbers and descriptions. The Uniformat II Work Breakdown Structure can be found at** [**www.wbdg.org/ndbm/**](http://www.wbdg.org/ndbm/) **. Coordinate with the PERFORMANCE TECHNICAL SPECIFICATION SECTION E10 to ensure that performance requirements are provided for all of the Building Elements listed here and that paragraph numbering matches.  
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NOTE: Edit the following paragraphs to suit the project, or create your own, to describe the EQUIPMENT for the project. Equipment that is typically included in a construction contract includes security and vault equipment such as vault doors and day gates, loading dock equipment such as dock levelers, and food service equipment. Coordinate this section carefully with other portions of the RFP.  
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**GENERAL SYSTEMS REQUIREMENTS**  
 **E1010 COMMERCIAL EQUIPMENT**

[Obtain the services of equipment specialists to specify [audiovisual] [shop] [or] [\_\_\_\_\_\_\_(other specialty equipment)]. Equipment specialists must not have any affiliation with the product specified.]

[All specialty equipment must be installed by qualified installers regularly engaged in installing the specialty equipment.]

Provide energy using equipment in accordance with criteria listed in Part 2 UFGS Section 01 33 29, *Sustainability Requirements and Reporting*.

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NOTE: RFP preparer to meet with the Activity user. Prepare a list of vending equipment in coordination with the Chapter 5 "Room Requirements".  
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**E101003 VENDING EQUIPMENT**

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NOTE: Provide a list of anticipated vending equipment for the project. List any special utilities that are required.  
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Design the facility to provide space, utilities, and cooling to accommodate the following vending equipment;

a. [\_\_\_\_]

b. [\_\_\_\_]

**E101003 VENDING EQUIPMENT**

DOR to coordinate vending space provisions and utility requirements. The following vending equipment will be provided by the user:

• [ ]

• [ ]

• [ ]

**E101004 LAUNDRY EQUIPMENT**

**\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*   
NOTE: Laundry equipment is indicated in Part 3, Chapter 5, "Room Requirements" portion of this RFP. RFP writer is to provide laundry equipment performance criteria for the Protective Clothing Laundry to be obtained and developed from meeting with the Activity user for equipment performance criteria for inclusion in Part 4 PTS.  
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Contractor shall furnish and install industrial and residential laundry equipment as indicated within the Part 3, Chapter 5, "Room Requirements" portion of this RFP. A major factor in the equipment selection will be the Contractor’s and his Vendor’s ability to provide quick and convenient service and repair in the project location. Equipment must be easily and quickly repaired/serviced by local personnel, and a reasonable quantity of repair parts shall be stocked and readily available on short notice.

The Contractor shall provide all work necessary to support laundry equipment including utility services and structural support. The Contractor is responsible for a complete dryer ventilation system.

**E1020 INSTITUTIONAL EQUIPMENT**

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NOTE: Consider the following paragraph for facilities that will include laboratory equipment. Provide as detailed a list as can be obtained from the using activity. This information could also be included in the Room Requirements.  
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**E102001 MISCELLANEOUS COMMON FIXED & MOVABLE EQUIPMENT**

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NOTE: Refer to the Part 3, Chapter 5 "Room Requirements" of the Hose Storage space. Choice of hose drying oven option will be based on meeting with the Activity user in coordination with regional climate requirements for hose drying.  
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Contractor shall provide equipment as indicated within the Chapter 5, "Room Requirements" portion of this RFP.

Miscellaneous common fixed & movable equipment includes:

• Ceiling Fans

• Hose Storage Movable Racks

• Installation Grid Coordinate Maps

• [Hose Drying Oven]

**E102009 AUDIOVISUAL EQUIPMENT**

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NOTE: For Navy projects choose the first bracketed option below and delete the second option. For Marine Corps Projects choose the second bracketed option below and delete the first option.  
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[Coordinate design requirements with the end user/Command Information Technology (IT) personnel, and provide Audiovisual (AV) equipment. Provide the services of an audiovisual equipment specialist to design and specify the audiovisual equipment.

AV Equipment including electronics potentially connected to data/IT, must be coordinated with design and construction but planned for and funded by the user or Budget Submitting Office sponsoring the user. AV equipment includes, but is not limited to: intercom/sound systems, smartboards, flat screens, projectors, video teleconferencing, interactive wall systems and Closed-Circuit-Televisions (CCTVs).

AV equipment will not be funded as part of the Furniture, Fixtures, & Equipment (FF&E) Package.

AV Equipment will be purchased using separate funding. The AV Equipment will be identified as a separate line item, and priced separately from the FF&E. AV Equipment will be funded as an option.]

[Coordinate design requirements with the end user/Command Information technology (IT) personnel, and provide Audiovisual (AV) equipment. Provide the services of an audiovisual equipment specialist to design and specify the audiovisual equipment.

AV Equipment including electronics potentially connected to data/IT, must be coordinated with design and construction but planned for and funded by the user or Budget Submitting Office sponsoring the user. AV equipment includes, but is not limited to: intercom/sound systems, smartboards, flat screens, projectors, video teleconferencing, interactive wall systems and CCTVs. The AV equipment will be funded as part of the FF&E Package.]

**E1030 VEHICULAR EQUIPMENT**

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NOTE: Retain the following paragraph if the Vehicle Maintenance Bay is in the project scope. Meet with the Activity user to identify equipment requirements. Coordinate with the requirements identified in Part 3, Chapter 5 "Room Requirements".  
  
Additionally the following paragraph may be retained if either of the Fire Extinguisher (Non Flightline or Flightline) Maintenance and Storage room is in the project scope. Retain the floor scale for either of these rooms.  
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**[E103004 AUTOMOTIVE SHOP EQUIPMENT**

Provide the following automotive shop equipment:

• Electrical Drop-cords

• [Hydraulic Lifts]

• [Overhead Lift/Crane]

• [Floor Scale]

• [ ]]

**E1040 GOVERNMENT FURNISHED EQUIPMENT**

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NOTE: Choose second bracketed option and edit appropriately when Government Furnished Contractor Installed equipment is part of RFP. Include building number and approximate distance from site in bracketed spaces. When equipment is furnished by the Government, include Shop Drawings and Product Data sheets with information defining equipment and requirements in Part 5 of the RFP documents. Choose first option for all other projects.  
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[There is no Government Furnished equipment in this project.]

[Rough-in and provide connections for Government-furnished equipment such that equipment will operate as intended, including providing miscellaneous items such as plugs, receptacles, wire, cable, conduit, flexible conduit and outlet boxes or fittings. [Pick up equipment at [ ] and transfer to site for storage until ready for installation.] [Equipment will remain under the control of the Government until such time as the Contractor is ready to install. Provide 30 days advance notice of expected installation date and pick up equipment at [ ] and transfer to site for installation.] Testing requirements of Government Furnished equipment is the responsibility of the Contractor and must follow the same guidelines as though the Contractor had provided the equipment. Install and test the following Government furnished items: [ ], [ ], [ ]]

**E1090 OTHER EQUIPMENT**

**E109002 FOOD SERVICE EQUIPMENT**

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NOTE: Equipment types are provided in the Room Requirements for Day/Training Room & Kitchen. Quantities will need to be identified based on the quantity of users.   
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Provide the food service equipment listed in Part 3 Chapter 5 Room Requirements for Day/Training Room & Kitchen.

Provide food service equipment as required for a kitchen to serve [\_\_\_\_\_\_\_] persons.

The grade of equipment is identified in Chapter 5, "Room Requirements".

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NOTE: Retain the following paragraph if the Recreation Room is in the project scope. Meet with the Activity user to identify equipment requirements. Coordinate with the requirements identified in Part 3, Chapter 5 "Room Requirements".  
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**[E109007 RECREATIONAL EQUIPMENT**

Recreation equipment as required for the recreation room is to be provided as follows:

[Pool Table with associated equipment]

[Table-tennis Table with associated equipment]

[ ]

[ ]]

--End of Section--