

**AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT**

1. CONTRACT ID CODE \_\_\_\_\_ PAGE \_\_\_\_\_ OF \_\_\_\_\_ PAGES

2. AMENDMENT/MODIFICATION NO. \_\_\_\_\_ 3. EFFECTIVE DATE \_\_\_\_\_ 4. REQUISITION/PURCHASE REQ. NO. \_\_\_\_\_ 5. PROJECT NO. *(If applicable)* \_\_\_\_\_

6. ISSUED BY \_\_\_\_\_ CODE \_\_\_\_\_ 7. ADMINISTERED BY *(If other than Item 6)* \_\_\_\_\_ CODE \_\_\_\_\_

8. NAME AND ADDRESS OF CONTRACTOR *(No., street, county, State and ZIP Code)* \_\_\_\_\_ (X) 9A. AMENDMENT OF SOLICIATION NO. \_\_\_\_\_  
 9B. DATED *(SEE ITEM 11)* \_\_\_\_\_  
 10A. MODIFICATION OF CONTRACT/ORDER NO. \_\_\_\_\_  
 10B. DATED *(SEE ITEM 11)* \_\_\_\_\_  
 CODE \_\_\_\_\_ FACILITY CODE \_\_\_\_\_

**11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS**

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers  is extended,  is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:  
 (a) By completing items 8 and 15, and returning \_\_\_\_\_ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment your desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA *(If required)* \_\_\_\_\_

**13. THIS ITEM ONLY APPLIES TO MODIFICATION OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.**

CHECK ONE	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: <i>(Specify authority)</i> THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES <i>(such as changes in paying office, appropriation date, etc.)</i> SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER <i>(Specify type of modification and authority)</i>

**E. IMPORTANT:** Contractor  is not,  is required to sign this document and return \_\_\_\_\_ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION *(Organized by UCF section headings, including solicitation/contract subject matter where feasible.)*

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER <i>(Type or print)</i>	16A. NAME AND TITLE OF CONTRACTING OFFICER <i>(Type or print)</i>
15B. CONTRACTOR/OFFEROR	16B. UNITED STATES OF AMERICA
15C. DATE SIGNED	16C. DATE SIGNED
<i>(Signature of person authorized to sign)</i>	<i>(Signature of Contracting Officer)</i>

Item 14. Continued.

### **CHANGES TO VOLUME II DESIGN REQUIREMENTS**

1. Volume II Design and Performance Requirements - Delete **CHAPTER D11 ELEVATORS AND LIFTS** in its entirety.

2. Volume II Design and Performance Requirements - Replace the following chapters with the accompanying new chapters of the same number and title, each bearing the notation "ACCOMPANYING AMENDMENT NO. 0009 TO SOLICITATION NO. DACA63-02-R-0001:"

CHAPTER B2 - EXTERIOR ENCLOSURE  
CHAPTER B21 - EXTERIOR WALLS  
CHAPTER C16 - INTERIOR FINISHES  
CHAPTER D51 - ELECTRICAL ENERGY GENERATION

### **CHANGES TO VOLUME IV ATTACHMENTS**

3. Replace ATTACHMENT B – Functional Requirements with the accompanying new ATTACHMENT B – Functional Requirements, bearing the notation "ACCOMPANYING AMENDMENT NO. 0009 TO SOLICITATION NO. DACA63-02-R-0001."

END OF AMENDMENT

## CHAPTER B2 - EXTERIOR ENCLOSURE

### PERFORMANCE

#### A. Basic Function:

1. Provide an essentially vertical separation between exterior and interior conditioned space, that keeps out weather, uninvited people, and animals and insects, without unusual action by occupants, while providing convenient movement of occupants between inside and outside, desirable natural light, and views from inside to outside.
2. The elements forming the vertical separation comprise the exterior enclosure and consist of:
  - a. Exterior Walls.
  - b. Exterior Windows and Other Openings.
  - c. Exterior Doors.
  - d. Exterior Wall Fixtures.
3. Where exterior enclosure elements also must function as elements defined within another element group, meet requirements of both element groups.
4. In addition to the requirements of this chapter, comply with all applicable requirements of Chapter 111 - Facility Performance and Chapter B - Shell.

#### B. Health and Safety:

1. Safety Glazing: Do not use fully tempered glass more than 25 feet above grade.
2. Fire Resistance:
  - a. All Materials of Exterior Enclosure: Non-combustible, no exceptions.

### PRODUCTS

- A. Construct the exterior enclosure using **one or more of** the following: **[AM #0009]**
1. Glass entrance facades.
  2. Cast-in-place concrete walls to match existing building base at First Floor.
  3. Metal Roof to match existing building.

#### **[AM #0009]**

- 4. Pre-cast concrete finish to match existing building.**
- 5. Exterior insulated finish system (EIFS) to match existing concrete finish and texture.**

### METHODS OF CONSTRUCTION

- A. The following existing exterior enclosure elements must be preserved:
1. Cast-in-concrete building base at First Floor.
  2. Brick walls.
  3. Windows.
  4. Metal Roof

**END OF CHAPTER B2**

**CHAPTER B21 - EXTERIOR WALLS****PERFORMANCE****A. Basic Function:**

1. Provide physical separation between exterior and interior conditioned space, that keeps out weather, uninvited people, and animals and insects.
2. The elements forming the physical separation comprise the exterior walls and consist of the supporting structure, the exterior skin, vapor retarders, air barriers, and insulation, the interior skin if an integral part of the wall, exterior screens and railings, balcony walls and parapets, exterior soffits unless they do not form a weather barrier, firestopping and draftstopping within wall and between wall and floors, and other exterior wall elements.
3. Where exterior wall elements also must function as elements defined within another element group, meet requirements of both element groups.
4. In addition to the requirements of this chapter, comply with all applicable requirements of Chapter 111 - Facility Performance, Chapter B - Shell, and Chapter B2 - Exterior Enclosure.

**B. Amenity and Comfort:**

1. Thermal Performance:
  - a. Average Thermal Transmittance of Vertical Walls: U-value of .118 IP, maximum.
  - b. Exterior Soffits and Ceilings: Same requirements as exterior walls.
    - 1) Exception: If the space between soffit and floor/roof above is not required to be conditioned space, thermal performance requirements do not apply.
2. Appearance:
  - a. Surface Texture: Provide exterior wall surfaces with multiple contrasting textures with visual interest to compliment the existing building .
  - b. Rhythm: Design to develop rhythm within building elevations consistent with building scale by varying patterns, placement, or color of finish materials to compliment the existing building

**C. Structure:**

1. Wind Design: No damage when tested in accordance with ASTM E 330-1997 at 1.5 times positive and negative design wind loads using 10 second duration of maximum load.
  - a. Deflection: 1/360 of span, maximum, unless otherwise indicated.
  - b. Unit Masonry: Maximum deflection of 1/360 of span.
  - c. Unit Masonry Veneer: Maximum deflection of 1/720 of span.
  - d. Members Supporting Glass: Maximum deflection of flexure limit of glass; with full recovery of glazing materials.

**D. Durability:**

1. Water Penetration: Drain water, moisture, and condensation entering assembly to the exterior.
2. Joint Sealers in Exterior Skin: Life span expectancy equal to that specified for primary weather barriers.
3. Vapor Retarder: Continuous separate membrane over entire exterior enclosure, located on the warm side of the winter dew point.
  - a. Vapor Permeance: 1 perm, maximum when tested in accordance with ASTM E 96-1995.
  - b. Design and select materials in accordance with ASTM E 1677-1995, including appendices, and ASTM C 755-1997.

**PRODUCTS****A. Supporting Structure of Walls:**

**1. Match existing supporting structure on existing building. [AM #0009]****2. DELETED [AM #0009]**

3. Do not use any of the of the following for the supporting structure of walls:

a. Load-bearing unit masonry assemblies.

**b. Deleted [AM #0009]**

c. Wood stud framing.

**d. Deleted [AM #0009]**

**e. Deleted [AM #0009]**

B. Joint Sealers in Exterior Skin: (07900)

1. Use one of the following:

a. Silicone sealant at glass.

b. Polyurethane sealant at new and existing masonry and concrete construction.

C. Air Barrier:

1. Use one of the following:

a. Reinforced rubber.

b. Plastic sheet.

2. Vapor Retarder:

a. Use one of the following:

1) Reinforced rubber.

2) Plastic sheet.

D. Insulation: (07200)

1. Use one of the following:

a. Board insulation at exterior walls.

b. Batt insulation at interior walls.

E. Exterior Ceilings and Soffits:

1. Use one of the following:

a. Exterior insulation and finish system (EIFS).

b. Portland cement plaster or stucco.

c. Gypsum exterior soffit board soffits.

F. Glazing: Glass and plastic.

1. Use the following:

a. Heat-strengthened glass.

b. Tinted glass.

c. Laminated glass at FOD, Command Suite and Command Conference windows.

d. Double pane insulated glass units.

2. Do not use:

a. Spandrel glass.

b. Patterned glass.

c. Ceramic glass.

d. Polycarbonate sheet.

e. Acrylic sheet,

f. Reflective plastic films.

g. Heat absorbing coatings.

**END OF CHAPTER B21**

**CHAPTER C16 - INTERIOR FINISHES****PERFORMANCE****A. Basic Function:**

1. Provide appropriately finished interiors for all spaces required by the program.
2. Interior finishes comprise the following elements:
  - a. Wall finishes, including those applied to the interior face of exterior walls and to the vertical faces of superstructure elements.
  - b. Floor finishes, except for access floors.
  - c. Suspended ceilings and soffits.
  - d. Applied ceiling finishes.
  - e. Stair finishes, except for integral stair surfaces.
  - f. Finishes applied to other interior surfaces.
  - g. Interior elevator cab finishes.
  - h. Elevator door and frame finishes.
3. Where interior finishes are integral with elements defined within another element group, meet requirements of both element groups.
4. In addition to the requirements of this chapter, comply with all applicable requirements of Chapter 111 - Facility Performance, Chapter C - Interiors, and Chapter C1 - Interior Construction.

**B. Amenity and Comfort:**

1. Thermal Performance:
  - a. Interior Wall Finishes at Exterior Walls: Provide vapor permeance of 1 perm maximum when tested in accordance with ASTM E 96-1995.
  - b. Interior Ceiling Finishes at Roof Level: Provide vapor permeance of 1 perm maximum when tested in accordance with ASTM E 96-1995.
2. Reflectivity:
  - a. Glare: Provide interior finishes that will not result in discomfort glare due to excessive contrast with light sources.
    - 1) Ceiling Surfaces: Not less than 80 percent reflectivity, when measured in accordance with ASTM E 1477-1998a.
    - 2) Wall Surfaces: Not less than 50 percent reflectivity.
    - 3) Floor Surfaces: Not less than 30 percent reflectivity.
  - b. Specular Reflections: Provide interior finishes that will minimize specular reflections.
3. Acoustical Performance:
  - a. Sound Absorption: Provide acoustical absorption within interior spaces to achieve reverberation times within the limits specified in Chapter C - Interiors.
  - b. Articulation Class: For open office areas, provide ceilings that have been tested per ASTM E 1111-1992(R96) to provide Articulation Class (AC) values not less than 150.
4. Cleanliness:
  - a. For spaces such as toilet rooms, bathrooms, and maintenance rooms, provide wall, ceiling, and floor surfaces that are inherently resistant to moisture and that can be cleaned by caustic agents without damage.

**C. Health and Safety:**

1. Slip Resistance: For spaces subject to floor wetting, including entry lobbies, provide floor finishes with inherent slip resistance under wet conditions.
  - a. At building entries, provide means for reducing or minimizing moisture and debris on shoe soles.

2. Slip Resistance: At stairs and corridors, provide floor finishes with minimum static coefficient of friction of 0.60, measured in accordance with ASTM D 2047-1993.
  3. Slip Resistance: At ramps, showers, and sloped floor surfaces, provide floor finishes with minimum static coefficient of friction of 0.80, measured in accordance with ASTM D 2047-1993.
  4. Tactile Warning Surfaces: Provide floor surfaces that comply with ADAAG-1994 detectable warning requirements at potentially hazardous locations, including top and bottom of stairs, top and bottom of ramps, and edge of loading dock.
  5. Static Generation: At computer installations and Emergency Operations Center (EOC), provide floor finishes that generate less than 2.0 kV at 20 percent relative humidity, when tested in accordance with AATCC 134-1996 using step and scuff tests with Neolite and leather soles.
  6. Flammability:
    - a. Ceilings in Exits and Corridors: Provide ceilings with ratings not greater than the following, when tested per ASTM E 84-1999:
      - 1) Flame Spread: 25.
      - 2) Smoke Developed: 450.
    - b. Walls in Exits and Corridors: Provide wall surfaces with ratings not greater than the following, when tested per ASTM E 84-1999:
      - 1) Flame Spread: 25.
      - 2) Smoke Developed: 450.
    - c. Floors in Exits and Corridors: Provide floor surfaces with ratings not greater than the following:
      - 1) Critical Radiant Flux of 0.45 W/sq. cm, per ASTM E 648-1999.
      - 2) Smoke Density: 450 or less specific optical density, per ASTM E 662-1997.
    - d. Ceilings in Primary Spaces: Provide ceilings with ratings not greater than the following, when tested per ASTM E 84-1999:
      - 1) Flame Spread: 25.
      - 2) Smoke Developed: 450.
    - e. Walls in Primary Spaces: Provide wall surfaces with ratings not greater than the following, when tested per ASTM E 84-1999:
      - 1) Flame Spread: 25.
      - 2) Smoke Developed: 450.
    - f. Floors in Primary Spaces: Provide floor surfaces with ratings not greater than the following:
      - 1) Critical Radiant Flux of 0.45 W/sq. cm, per ASTM E 648-1999.
      - 2) Smoke Density: 450 or less specific optical density, per ASTM E 662-1997.
- D. Structure:
1. Floor Loading: Provide floor finishes that are capable of withstanding static loading of 125 psi without permanent deformation.
- E. Durability:
1. Wall Finishes: Provide integral or applied wall surfaces that are appropriate for anticipated usage and traffic, offering durability not less than would be provided by applied wall coverings as follows, classified in accordance with ASTM F 793-1993 (R98):
    - a. SP1 Customer Contact: Category V- Type II Commercial Serviceability.
    - b. SP2 Occupant Work: Category IV- Type I Commercial Serviceability.
    - c. SP3 Equipment Utilization: Category V- Type II Commercial Serviceability.
    - d. SP6 Meeting and Instruction: Category V- Type II Commercial Serviceability.
    - e. SP7 Special Facilities: Category VI- Type III Commercial Serviceability.
    - f. SR1 Sanitary Facilities: Category V- Type II Commercial Serviceability.
    - g. SR2 Clothing, Locker Facilities: Category IV- Type I Commercial Serviceability.
    - h. SS1 Closets: Category 1-Decorative Only.

- i. SS2 Storage Rooms: Category IV- Type I Commercial Serviceability.
  - j. SC1 Corridors: Category IV- Type I Commercial Serviceability. SC2 Lobbies:
  - k. SC2 Lobbies: Category V - Type II Commercial Serviceability.
  - l. SC3 Waiting Areas: Category V- Type II Commercial Serviceability.
  - m. SC4 Stairs: Category V- Type II Commercial Serviceability.
  - n. SU1 Maintenance Facilities: Category V- Type II Commercial Serviceability.
  - o. SU2 Utility Equipment Rooms: Category V- Type II Commercial Serviceability.
2. Interior Wall Finishes at Exterior Walls: Provide surfaces that will not be damaged by incidental condensation from windows.
  3. Wall Protection: In corridors, mail rooms, and freight receiving rooms, provide impact resistant, color coordinated, wall bumpers, and corner guards or wall surfaces that are inherently resistant to impact damage due to rolling carts, gurneys, and hand trucks.
  4. Opening Protection: At partition openings intended to accommodate pedestrian or vehicular traffic, provide protection of opening edges in the form of door frames (cased openings), or corner guards.
  5. Elevator Cab Finishes: Provide an acceptable level of finish utilizing durable materials in the elevator cabs. Provide protective padding to be hung in the elevator for furniture moving and construction to protect the elevator cab finishes. **See Chapter D1, E Durability for additional finish requirements. [AM #0009]**
  6. Elevator Doors and Frames: **Existing elevator doors and frames at all floors of the building shall be painted. [AM #0009]**
  7. Flooring: Provide floor finishes that are appropriate for anticipated usage and traffic in each area, based on a 10 year replacement cycle.
    - a. Substantiation:
      - 1) Design Development: As specified for service life span in Chapter 111, including service life analysis and life cycle cost analysis.

## PRODUCTS

- A. Design and construct interiors using the following materials and systems:
  1. Ceramic mosaic tile at toilets, showers and dressing areas.
  2. Porcelain paver tile at elevator lobbies, vending areas, coffee/break rooms, and connecting corridors.
  3. Acoustical tile ceilings.
  4. Resilient tile flooring at maintenance, retail, utility and equipment rooms.
  5. Sheet carpet, glued-down at Command Suite, Command Conference Room and Garrison Command Suite and all open, private offices and support areas.
  6. Vinyl-coated fabric wall covering at Corridors, Break Rooms, Vending Areas and Toilets.
  7. Wall fabrics at Command Suite, Command Conference Room and Garrison Command Suite.
  8. Flexible wood veneer wall covering at Command Conference Room and Warrior Wall.
  9. Acoustical wall treatment at Command Conference Room, Interview Rooms and Counseling facilities.
  10. Interior paints at open office areas.
  11. Interior transparent stains at wood trim and wainscot.
- B. Do not use:

1. Glazed wall tile.
2. Quarry tile.
3. Portland cement terrazzo.
4. Precast terrazzo.
5. Thinset epoxy terrazzo.
6. Thinset polyacrylate terrazzo.
7. Acoustical panel ceilings.
8. Acoustical metal pan ceilings.
9. Luminous ceilings.
10. Linear metal ceilings.
11. Linear wood ceilings.
12. Athletic flooring.
13. Plastic laminate flooring.
14. Brick flooring.
15. Stone flooring.
16. Cushioned wood flooring.
17. Wood parquet flooring.
18. Wood strip flooring.
19. Resilient sheet flooring.
20. Fluid-applied flooring.
21. Wallpaper.
22. Stone facing.
23. High performance coatings.

**METHODS OF CONSTRUCTION**

- A. The following existing interior finishes elements must be removed to accomplish new construction:
1. Existing asbestos-containing or presumed-asbestos-containing resilient flooring.

**END OF CHAPTER C16**

**CHAPTER D51 - ELECTRICAL ENERGY GENERATION****PERFORMANCE**

## A. Basic Function:

1. Provide electrical energy generation for emergency and standby power systems.
  - a. Provide emergency power as required by code including the following:
    - 1) Emergency Lighting: Duration as required by code, and as specified in Chapter D61.
    - 2) Warning Lights: Duration as required by code.
    - 3) Elevators: See Chapter D11 for requirements.
    - 4) Electric Fire Pumps: Duration as required by code. [AM #0009]**
    - 5) Fire Detection and Alarm System: Duration as required by code.**
    - 6) Central Control Station and Lighting: Located in the Field Officer of the Day (FOD) office. Duration as required by code.**
    - 7) Public Address System: Duration as required by code.**
  - b. Provide standby power as required by code including the following:
    - 1) Transfer time of 0.0167 seconds (1 cycle).
    - 2) Security Lights: Duration for duration of outage.
    - 3) Electrical Room Lights: Duration as required by code.
    - 4) Heating, Ventilating, and Air Conditioning Equipment serving the Command Suite (CS) and Emergency Operations Center (EOC)
      - a) Boilers and auxiliary equipment.
        - (1) Duration: For duration of outage.
      - b) Chillers and auxiliary equipment.
        - (1) Duration: For duration of outage.
      - c) Pumps and auxiliary equipment.
        - (1) Duration: For duration of outage.
      - d) Air handlers serving CS and EOC.
    - 5) Electric Fire Pumps: Duration as required by code.
    - 6) Fire Detection and Alarm System: Duration as required by code.
    - 7) Central Control Station and Lighting: Duration for duration of outage.
    - 8) Public Address System: Duration for duration of outage.
    - 9) Communications System: Duration for duration of outage.
  - c. Provide uninterruptible power supply (UPS) system as follows:
    - 1) Telephone System: Transfer time of 0.0167 seconds (1 cycle).
      - a) Duration of 15 minutes.
    - 2) Computer Systems and Auxiliary Equipment (AM#8) at the Command Suite and EOC: Transfer time of 0 seconds.
      - a) Duration of 15 minutes.
    - 3) Fire Alarm and Detection Systems: Transfer time of 0 seconds.
      - a) Duration as required by code.
    - 4) Command Suite and Emergency Operations Center (EOC) Computers: Transfer time of 0 seconds. Duration of 15 minutes.
2. Electrical Energy Generation Capacity:
  - a. Provide capacity at least 20 percent more than the connected load.
  - b. Provide 5 watts per square foot for the part of the building served by each generator.
  - c. As required by code and the following:
    - 1) General Office: 10 watts per square foot.
    - 2) Computer Room: 20 watts per square foot.
    - 3) Capacity sized for specified emergency loads.
3. Configuration:
  - a. Underground service entrance.
4. Where electrical energy generation elements must also function as elements defined within

another element group, meet the requirements of both groups.

5. In addition to the requirements of this chapter, comply with all applicable requirements of Chapter 111 - Facility Performance, Chapter D - Services, and Chapter D5 - Electrical.

B. Amenity and Comfort:

1. Sound and Noise:
  - a. Provide generator exhaust silencer ratings of the residential (18-25dB(A)) type.
  - b. Provide generator enclosures of the sound attenuated type.
  - c. Provide uninterruptible power supply systems noise generation of no more than 69 dBA measured at 5 feet.
  - d. Provide unit power conditioner audible noise generation of no more than 58+ dBA measured at 5 feet.
2. Appearance: Provide emergency lights which appear to be normal space luminaires.
  - a. Exception: Mechanical and electrical rooms may have self-contained emergency lights.

C. Health and Safety:

1. Protection from Breakage: Locate electrical energy generation equipment away from high traffic areas, building occupants, public, and vehicular traffic.
2. Fire Source: Locate electrical energy generation equipment away from storage areas and flammable materials.
3. Accidental Explosion: Ventilate electrical energy generation equipment to prevent the build-up of explosive gases.
4. Electrical Shock: Protect personnel from exposure to live power leads.
5. Intrusion: Protect electrical energy generation equipment from unauthorized access.
6. Generators and Fuel Supplies: Located out-of-doors.

D. Durability:

1. Expected Service Life Span: Provide UPS systems which will last a minimum of 20 years in service without major repairs or operating expense.
2. Moisture Resistance: Provide electrical energy generation equipment which is resistant to moisture.
3. Corrosion Resistance: Provide electrical energy generation equipment which is resistant to corrosion.
4. Impact Resistance: Provide electrical energy generation equipment with a weatherproof protective housing.
5. Generator Set Start Up: Minimum time-delay to start of 15 ~~minutes~~, (AM #6) seconds, to prevent transfer in case of short-time outage.
  - a. Provide batteries in UPS system for ride-through of primary power losses until generators are on-line.

E. Operation and Maintenance:

1. Emergency Lighting System Type: Centralized power source.
  - a. Transfer of load as required by code from batteries to standby generator.
2. Uninterruptible Power Supply (UPS) Configuration: Parallel redundant with automatic transfer from UPS power to normal power.
  - a. Maintenance Bypass: Provide a maintenance switch to transfer UPS loads directly to normal power or to the standby generators.

- b. UPS Capacity: as determined by design capacity requirements.
    - 1) Redundant Capacity: 25 percent.
  - c. Substantiation:
    - 1) Design Development: Single-line drawings, power supply equipment sizes and types, equipment room sizes.
    - 2) Construction Documents: Riser diagrams, calculations, equipment operating parameters.
3. Uninterruptible Power Supply Systems:
- a. Current Distortion: Less than 10 percent total harmonic distortion with included filter.
  - b. Overload Rating, Percent of Full Load For Any Combination of Linear and Non-Linear Loads:
    - 1) 125 percent for 10 minutes.
  - c. Harmonic Content of Output Waveform:
    - 1) Maximum 4 percent RMS for nonlinear load.
    - 2) Maximum 2 percent RMS for any linear load.
    - 3) Maximum 5 percent RMS for nonlinear load.
  - d. Functions:
    - 1) Emergency power off.
    - 2) Input isolation transformer.
    - 3) Maintenance bypass cabinet
    - 4) Maintenance bypass transformer.
    - 5) SNMP communications capability.
    - 6) Remote monitor panel.
    - 7) Alarm status contacts.
  - e. Reliability: 100 percent.
4. Power Conditioning: Modify incoming power characteristics to comply with utilization equipment requirements; KVA capacity as determined by design capacity requirements.
- a. Provide power conditioning for all equipment in computer rooms.
  - b. Function:
    - 1) Static Voltage Regulation: For any load condition:
      - a) At Nominal Input Voltage: Plus or minus 3 percent.
      - b) For Input Voltage Variation within 40 Percent Plus and Minus: Plus 5 to minus 5 percent.
    - 2) Unbalanced Load Voltage Regulation: Within plus 5 and minus 2 percent, at nominal input voltage at 100 percent load imbalance.
    - 3) Overload Voltage Regulation: Output voltage of no less than minus 6 percent of nominal, at nominal input voltage for an increasing load from 100 percent to 200 percent of full load.
    - 4) Electrical Noise Suppression:
      - a) Common Mode: 120 dB minimum.
      - b) Normal Mode: 120 dB minimum.
    - 5) Single-Phasing Response: Upon loss of one input phase, output phase voltages shall remain within plus 5.8 to minus 4 percent of nominal from no load to 60 percent load.
    - 6) Harmonic Distortion: Less than 4 percent from no load to full load.
  - c. Input Power Factor: 0.96 lagging or better, independent of the load power factor.
  - d. Input Current Distortion: Less than 8 percent THD, independent of the output current distortion.
  - e. Paralleling capable.
  - f. Control and Monitoring:
    - 1) Manual or auto restart, emergency power off, main output circuit breaker.
    - 2) Overtemp and EPO monitor.
    - 3) Power monitor.
    - 4) Transient suppression.
    - 5) Input surge arrestor.

- 6) Bypass switch.
  - 7) Bypass transformer.
5. Standby Generator:
    - a. Electrical Characteristics: 460 volts/3 phase/60 Hz.
    - b. Generator Fuel Supply: Natural gas.
    - c. Generator Reliability: 100 percent.
    - d. Generator Efficiency: Min.95 percent.
    - e. Power Quality: Compatible voltage, wave shape, and frequency with the primary power source.
    - f. Run Time: Duration of outage.
  6. Spare Capacity:
    - a. Generator Systems: Capacity as determined by design capacity requirements..
    - b. Generator Systems: 10 percent over total load.
    - c. Battery Systems: 10 percent over total load.
    - d. Battery Systems: kW capacity as determined by design capacity requirements with specified back-up time.
    - e. Power Conditioners: 10 percent over total load.

**END OF CHAPTER D51**

## ***Functional Requirements - Attachment B***

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### **Command Section**

#### **Description:**

- ?? Command suite is the executive area used on a daily basis to manage and direct the functions of the Joint Readiness Training Center. It is also required to be the strategic command center compatible with the EOC and VTC located in the building.

#### **Anticipate Personnel: 10**

#### **General Specifications:**

- ?? Lockable glazed double doors, anodized bronze finisher aluminum, with command insignia signage on tempered glass.
- ?? Telephone/data connections at each desk.
- ?? Space will be sized to accommodate the identified function while permitting ease of circulation and ADA requirements.
- ?? Space to be conditioned with heating, cooling, and ventilation.
- ?? Each desk to have one task chair: casters with pneumatic lift, front tilt, and adjustable arm caps.
- ?? All freestanding L shaped reception desks to have 42" high transaction top, return to support computer keyboard tray, monitor, and house built-in CPU space and 2 pedestals – 1:BBF/1:FF.
- ?? All freestanding L shaped desks to have 2 pedestals- 1:BBF/1:FF. Return to support computer keyboard tray, monitor, and CPU unit.
- ?? All freestanding desks to have 2 pedestals, 1:BBF/1:FF. Desk should support keyboard, monitor, and CPU unit.
- ?? All freestanding credenza units to have knee holespace with 2 pedestals – 1:BBF/1-FF. Credenza to support computer keyboard tray, monitor, and CPU unit. All hutch units to provide enclosed storage above, task lights, and tackable area. Hutch to be screw mounted to credenza unit.
- ?? Each designated workstation of any type to have at a minimum 1-2 drawer file cabinet
- ?? Modular systems furniture :
  - ?? Acoustic rated panels with nominal width dimensions of 24", 30", 36", 42", & 48". Panels should be no less than 60" in height but can be up to 84" where panels with doors are indicated.
  - ?? Electrified Panels are to be 4 circuit system acoustic rated panels with nominal width dimensions of 24", 30", 36", 42", & 48".
  - ?? Work surfaces nominal width dimensions should be compatible with panel widths. All work surfaces shall mount end to end on panel brackets. Depth of surfaces shall be 24" except if corner work surfaces are utilized. Thickness of work surfaces is to be no less than 11/8".
  - ?? Cantilevers, brackets, plates, and connectors to be metal-to-metal connections.

***Functional Requirements - Attachment B***

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- ?? Overhead storage units – nominal width dimensions should be compatible with panel widths. Flipper door to be open inside of box, so top of overhead can be used for additional storage. All doors to be keyed alike per workstation.
- ?? Overhead shelves - nominal width dimensions should be compatible with panel widths. All shelf pans to be metal. All side brackets to be minimum 6" height.
- ?? Task lights - Maximum width to overhead unit, switch to front, plug-in to electrified panels.
- ?? Pedestals - Solid metal construction, full extension ball bearing suspension. All drawers to have safety catch and keyed alike for each workstation
- ?? Pencil drawers - Solid metal construction, full extension ball bearing suspension. All drawers to have safety catch and keyed alike for each workstation
- ?? Keyboard tray - Solid metal construction, full extension in ball bearing ball suspension. Arm to be adjustable in 3 directions – up & down; in & out; tilt & flat.

**Finishes:** Same as Garrison Commander Finishes.

- ?? **Floor:** Multi-colored carpeting with at least 4 color yarns in loop construction to hide wear and staining; action back required. 32 oz weight.
- ?? **Base:** Dark color that matches door frames to hide scuff marks and fingerprints.
- ?? **Door frames:** Dark color to match base
- ?? **Walls:** Painted with a light color that can be easily repainted. This color will be the building standard.
- ?? **Ceiling:** Standard lay-in type acoustic ceiling with perforated texture to hide marks and chips, flat profile.

**Special Design Features:**

Special design detail should be given to the showcase the Commander's various artwork, military awards, and special interest items.

Upgraded finishes will be utilized in this space to project the image of the Commander's rank and status.

Functional elements within the Commander office:

***Functional Requirements - Attachment B***

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- desk, bridge, credenza, hutch, executive chair, small conference table for 4 visitors
- large seating area with sofa, 2 armchairs, tables, and lamps
- accessories to enhance the executive environment
- private toilet, shower, closet, and dressing area with separate entrance / exits
- laminated glass shall be provided in all windows in the command suite.

## ***Functional Requirements - Attachment B***

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### **Command Conference Room, Pre-assembly Area, Warrior Wall**

#### **Description:**

- ?? Conduct staff meetings, command decision briefings, strategic sessions with senior staff, and hosting external presentations with Commander or command staff. These meetings are held at the classified and unclassified levels.
- ?? Located adjacent to the command section and should have finishes and furnishings that reflect this image.

#### **General Specifications:**

- ?? **DELETED [AM #0009]**
- ?? Conference Table to seat 15 people. Internal pop-ups with power and LAN connects for notebook computers. Floor outlets for electrical, data and telephone will be required at the conference table for internal pop-ups.
- ?? High back leather chairs for conference table. Perimeter seating for 14 personnel with comfortable chairs.
- ?? Dual podiums with microphones, clock, and control screen to facilitate briefing activities.
- ?? Coffee/hospitality area with sink and service area. Under counter refrigerator required to store drinks and perishable food items. Storage cabinets needed to store accessory items.
- ?? Audio/visual equipment to support state of the art computer generated briefings and video presentations. Computers, amplifiers, speakers, microphones, VCRs, DVDs, switch panels, video controllers, UPS, and other peripheral equipment to control presentation configuration and generate appropriate visual and audio presentations. Design options should consider video cube wall as display medium.
- ?? Video teleconferencing capabilities to electronically interface with other organizations at the classified and unclassified levels. Communication circuits, video cameras, VTC bridges, COMSEC equipment, and computer systems to connect via ISDN or FTS 2000 formats (Add-on room)
- ?? Operator control room or area to configure equipment, load briefings, set-up VTC connections, and operate A/V software.
- ?? Network connections to access special command management information sources.
- ?? Direct TV satellite connection to access C-SPAN and news networks to obtain real time status of critical political and military world events.
- ?? Various lighting configurations to provide the right lighting environment for open sessions, briefings with presentation graphics, video recordings, and VTC sessions.
- ?? Separate HVAC system to maintain comfortable working environment with diffusers to reduce noise.
- ?? Internal and external signage to indicate classification level of the meeting or presentation. Levels include Unclassified, Confidential, Secret, and Top Secret.

***Functional Requirements - Attachment B***

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Signage approach must be in concert with the executive status of the Command Section.

?? "615" speaker phone.

- Finishes:** Same as Garrison Commander Finishes.
- ?? **Floor:** Multi-colored carpeting with at least 4 color yarns in loop construction to hide wear and staining; action back required. 32 oz weight.
- ?? **Base:** Dark color that matches door frames to hide scuff marks and fingerprints.
- ?? **Door frames:** Dark color to match base
- ?? **Walls:** Painted with a light color that can be easily repainted. This color will be the building standard.
- ?? **Ceiling:** Standard lay-in type acoustic ceiling with perforated texture to hide marks and chips, flat profiles.

**Special Design Features:**

- ?? **Pre-assembly area:** Adjacent to the command conference room will be finished in upgraded finishes: combining textures, woodgrains, and colors to present a "hospitality suite" environment.
- ?? **Warrior Wall:** Will provide an exclusive area for displays of meritorious recognition for leaders and base activities. This alcove will have textural finishes in complimentary colors to the items being displayed. Special adjustable halogen lighting will be required to adequately display this area.
- ?? Laminated glass shall be provided in all windows in the command conference room.
- ?? Provide sound dampening and black-out curtains in the command conference room.
- ?? Accommodations for closed circuit television monitors.
- ?? Custom millwork built in Admin. desks.

## ***Functional Requirements - Attachment B***

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### **Protocol**

#### **Description:**

- ?? Assists Command Section with coordination of military, civilian, and base functions. Coordinates arrangements for VIP and senior civic visitors. They are also available for consultation with staff to develop appropriate protocol details for briefings and meetings. Provide staff to support field functions and hospitality.
- ?? Located adjacent to the Command Section and should have finishes and furnishing that reflect this image.

#### **Anticipate Personnel: 7**

#### **General Specifications:**

- ?? Telephone/data connections at each desk.
- ?? Space will be sized to accommodate the identified function while permitting ease of circulation and ADA requirements.
- ?? Space to be conditioned with heating, cooling, and ventilation.
- ?? Each desk to have one task chair: castered with pneumatic lift, front tilt, and adjustable arm caps.
- ?? All freestanding L shaped reception desks to have 42" high transaction top, return to support computer keyboard tray, monitor, and house built-in CPU space and 2 pedestals – 1:BBF/1:FF.
- ?? All freestanding L shaped desks to have 2 pedestals- 1:BBF/1:FF. Return to support computer keyboard tray, monitor, and CPU unit.
- ?? All freestanding desks to have 2 pedestals, 1:BBF/1:FF. Desk should support keyboard, monitor, and CPU unit.
- ?? All freestanding credenza units to have knee holespace with 2 pedestals – 1:BBF/1-FF. Credenza to support computer keyboard tray, monitor, and CPU unit. All hutch units to provide enclosed storage above, task lights, and tackable area. Hutch to be screw mounted to credenza unit.
- ?? Each designated workstation of any type to have at a minimum 1-2 drawer file cabinet
- ?? Modular systems furniture:
  - ?? Acoustic rated panels with nominal width dimensions of 24", 30", 36", 42", & 48". Panels should be no less than 60" in height but can be up to 84" where panels with doors are indicated.
  - ?? Electrified Panels are to be 4 circuit system acoustic rated panels with nominal width dimensions of 24", 30", 36", 42", & 48".

## ***Functional Requirements - Attachment B***

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- ?? Work surfaces nominal width dimensions should be compatible with panel widths. All work surfaces shall mount end to end on panel brackets. Depth of surfaces shall be 24" except if corner work surfaces are utilized. Thickness of work surfaces is to be no less than 1 1/8".
- ?? Cantilevers, brackets, plates, and connectors to be metal-to-metal connections.
- ?? Overhead storage units – nominal width dimensions should be compatible with panel widths. Flipper door to be open inside of box, so top of overhead can be used for additional storage. All doors to be keyed alike per workstation.
- ?? Overhead shelves - nominal width dimensions should be compatible with panel widths. All shelf pans to be metal. All side brackets to be minimum 6" height.
  
- ?? Task lights - Maximum width to overhead unit, switch to front, plug-in to electrified panels.
- ?? Pedistals - Solid metal construction, full extension ball bearing suspension. All drawers to have safety catch and keyed alike for each workstation
- ?? Pencil drawers - Solid metal construction, full extension ball bearing suspension. All drawers to have safety catch and keyed alike for each workstation
- ?? Keyboard tray - Solid metal construction, full extension in ball bearing ball suspension. Arm to be adjustable in 3 directions – up & down; in & out; tilt & flat.

### **Finishes:**

- ?? **Floor:** Multi-colored carpeting with at least 4 color yarns in loop construction to hide wear and staining; action back required. 28 oz weight.
- ?? **Base:** Dark color that matches door frames to hide scuff marks and fingerprints.
- ?? **Door frames:** Dark color to match base
- ?? **Walls:** Painted with a light color that can be easily repainted. This color will be the building standard.
- ?? **Ceiling:** Standard lay-in type acoustic ceiling with perforated texture to hide marks and chips, flat profile.

### **Special Design Features:**

- ?? Reception/waiting area is required.

***Functional Requirements - Attachment B***

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- ?? Secretarial administrative work area is required.
- ?? Private office space is required for private meetings and interviews.
- ?? Space and appropriate cabinets/units is needed for storage of publications, award materials, presentation materials, and ceremonial items.
- ?? Custom millwork kitchen area.

## ***Functional Requirements - Attachment B***

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### **Garrison Command Section**

#### **Description:**

- ?? Manages post operating functions and tenant support requirements. Coordinates with Command Section to provide support for training mission.
- ?? Garrison Commander and Deputy Garrison Commander require a shared conference room to conduct joint meeting with senior staff.
- ?? Garrison Command Section will be in somewhat close proximity to the Command Suite and Command Conference Room, but not adjacent.
- ?? Finishes and furnishings will be required that reflect this image.

#### **Anticipate Personnel: 5**

#### **General Specifications:**

- ?? Lockable glazed double doors, anodized bronze finish aluminum, with command insignia signage on tempered glass.
- ?? Telephone/data connections at each desk.
- ?? Space will be sized to accommodate the identified function while permitting ease of circulation and ADA requirements.
- ?? Space to be conditioned with heating, cooling, and ventilation.
- ?? Each desk to have one task chair: casters with pneumatic lift, front tilt, and adjustable arm caps.
- ?? All freestanding L shaped reception desks to have 42" high transaction top, return to support computer keyboard tray, monitor, and house built-in CPU space and 2 pedestals – 1:BBF/1:FF.
- ?? All freestanding L shaped desks to have 2 pedestals- 1:BBF/1:FF. Return to support computer keyboard tray, monitor, and CPU unit.
- ?? All freestanding desks to have 2 pedestals, 1:BBF/1:FF. Desk should support keyboard, monitor, and CPU unit.
- ?? All freestanding credenza units to have knee holespace with 2 pedestals – 1:BBF/1-FF. Credenza to support computer keyboard tray, monitor, and CPU unit. All hutch units to provide enclosed storage above, task lights, and tackable area. Hutch to be screw mounted to credenza unit.
- ?? Each designated workstation of any type to have at a minimum 1-2 drawer file cabinet
- ?? Modular systems furniture :
  - ?? Acoustic rated panels with nominal width dimensions of 24", 30", 36", 42", & 48". Panels should be no less than 60" in height but can be up to 84" where panels with doors are indicated.
  - ?? Electrified Panels are to be 4 circuit system acoustic rated panels with nominal width dimensions of 24", 30", 36", 42", & 48".
  - ?? Work surfaces nominal width dimensions should be compatible with panel widths. All work surfaces shall mount end to end on panel brackets. Depth

***Functional Requirements - Attachment B***

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of surfaces shall be 24" except if corner work surfaces are utilized. Thickness of work surfaces is to be no less than 1 1/8".

- ?? Cantilevers, brackets, plates, and connectors to be metal to metal connections.
- ?? Overhead storage units – nominal width dimensions should be compatible with panel widths. Flipper door to be open inside of box, so top of overhead can be used for additional storage. All doors to be keyed alike per workstation.
- ?? Overhead shelves - nominal width dimensions should be compatible with panel widths all shelf pans to be metal. All side brackets to be minimum 6" height.
- ?? Task lights - Maximum width to overhead unit, switch to front, plug-in to electrified panels.
- ?? Pedistals - Solid metal construction, full extension ball bearing suspension. All drawers to have safety catch and keyed alike for each workstation
- ?? Pencil drawers - Solid metal construction, full extension ball bearing suspension. All drawers to have safety catch and keyed alike for each workstation
- ?? Keyboard tray - Solid metal construction, full extension in ball bearing ball suspension. Arm to be adjustable in 3 directions – up & down; in & out; tilt & flat.

**Finishes:**

- ?? **Floor:** Plush multi-color/pattern carpet 32oz minimum. Compatible solid color border carpet at same pile height
- ?? **Base:** Stained hardwood with routed detailed edge
- ?? **Door Frames:** Stained hardwood compatible with base
- ?? **Walls:** Vinyl/fabric wallcover; wood wallcover. Paint with a light color that can be easily matched.
- ?? **Chair Rail:** Stained hardwood with routed detained base. Stain to match door frames and base
- ?? **Ceiling:** Acoustic serving tile with recess grid and edge detail

**Special Design Features:**

- ?? Garrison Command Suite should be compatible with the Command Section with the use of fabric wallcover, wood wallcover, wood moldings,

***Functional Requirements - Attachment B***

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and associated trims.

- ?? Special design detail should be given to the showcase the Garrison Commander's various artwork, military awards, and special interest items.
- ?? 2 administrative assistant workstations are required
- ?? Reception/waiting area is required.

## ***Functional Requirements - Attachment B***

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### **Internal Review and Audit Compliance (IRACO)**

#### **Description:**

- ?? IRACO conducts confidential reviews and audits for all directorates, personnel, or procedures that are implemented on the base.

#### **Anticipate Personnel: 6**

#### **General Specifications:**

- ?? Telephone/data connections at each desk.
- ?? Space will be sized to accommodate the identified function while permitting ease of circulation and ADA requirements.
- ?? Space to be conditioned with heating, cooling, and ventilation.
- ?? Each desk to have one task chair: castered with pneumatic lift, front tilt, and adjustable arm caps.
- ?? All freestanding L shaped reception desks to have 42" high transaction top, return to support computer keyboard tray, monitor, and house built-in CPU space and 2 pedestals – 1:BBF/1:FF.
- ?? All freestanding L shaped desks to have 2 pedestals- 1:BBF/1:FF. Return to support computer keyboard tray, monitor, and CPU unit.
- ?? All freestanding desks to have 2 pedestals, 1:BBF/1:FF. Desk should support keyboard, monitor, and CPU unit.
- ?? All freestanding credenza units to have knee holespace with 2 pedestals – 1:BBF/1-FF. Credenza to support computer keyboard tray, monitor, and CPU unit. All hutch units to provide enclosed storage above, task lights, and tackable area. Hutch to be screw mounted to credenza unit.
- ?? Each designated workstation of any type to have at a minimum 1-2 drawer file cabinet
- ?? Modular systems furniture :
  - ?? Acoustic rated panels with nominal width dimensions of 24", 30", 36", 42", & 48". Panels should be no less than 60" in height but can be up to 84" where panels with doors are indicated.
  - ?? Electrified Panels are to be 4 circuit system acoustic rated panels with nominal width dimensions of 24", 30", 36", 42", & 48".
  - ?? Work surfaces nominal width dimensions should be compatible with panel widths. All work surfaces shall mount end to end on panel brackets. Depth of surfaces shall be 24" except if corner work surfaces are utilized. Thickness of work surfaces is to be no less than 11/8".
  - ?? Cantilievers, brackets, plates, and connectors to be metal to metal connections.
  - ?? Overhead storage units – nominal width dimensions should be compatible with panel widths. Flipper door to be open inside of box, so top of overhead can be used for additional storage. All doors to be keyed alike per workstation.

## ***Functional Requirements - Attachment B***

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- ?? Overhead shelves - nominal width dimensions should be compatible with panel widths. All shelf pans to be metal. All side brackets to be minimum 6" height.
- ?? Task lights - Maximum width to overhead unit, switch to front, plug-in to electrified panels.
- ?? Pedistals - Solid metal construction, full extension ball bearing suspension. All drawers to have safety catch and keyed alike for each workstation
- ?? Pencil drawers - Solid metal construction, full extension ball bearing suspension. All drawers to have safety catch and keyed alike for each workstation
- ?? Keyboard tray - Solid metal construction, full extension in ball bearing ball suspension. Arm to be adjustable in 3 directions – up & down; in & out; tilt & flat.

### **Finishes:**

- ?? **Floor:** Multi-colored carpeting with at least 4 color yarns in loop construction to hide wear and staining; action back required. 28 oz weight.
- ?? **Base:** Dark color that matches door frames to hide scuff marks and fingerprints.
- ?? **Door frames:** Dark color to match base
- ?? **Walls:** Painted with a light color that can be easily repainted. This color will be the building standard.
- ?? **Ceiling:** Standard lay-in type acoustic ceiling with perforated texture to hide marks and chips, flat profiles

### **Special Design Features:**

- ?? Required enclosed / private waiting area for the protection of visitors.
- ?? Visitor office to have acoustic wallcover to provide STC rating of 45 or better.
- ?? All personnel will be housed in private offices to support their special functions  
Visitor's office that can be secured up to 3 months while conducting review or audits. It can also used as an interview room.
- ?? Accommodations for closed circuit television monitors.
- ?? Custom millwork Admin. desks.

## ***Functional Requirements - Attachment B***

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### **Directorate of Logistics (DOL)**

#### **Description:**

**Anticipate Personnel: 12**

#### **General Specifications:**

- ?? Telephone/data connections at each desk.
- ?? Space will be sized to accommodate the identified function while permitting ease of circulation and ADA requirements.
- ?? Space to be conditioned with heating, cooling, and ventilation.
- ?? Each desk to have one task chair: castered with pneumatic lift, front tilt, and adjustable arm caps.
- ?? All freestanding L shaped reception desks to have 42" high transaction top, return to support computer keyboard tray, monitor, and house built-in CPU space and 2 pedestals – 1:BBF/1:FF.
- ?? All freestanding L shaped desks to have 2 pedestals- 1:BBF/1:FF. Return to support computer keyboard tray, monitor, and CPU unit.
- ?? All freestanding desks to have 2 pedestals, 1:BBF/1:FF. Desk should support keyboard, monitor, and CPU unit.
- ?? All freestanding credenza units to have knee holespace with 2 pedestals – 1:BBF/1-FF. Credenza to support computer keyboard tray, monitor, and CPU unit. All hutch units to provide enclosed storage above, task lights, and tackable area. Hutch to be screw mounted to credenza unit.
- ?? Each designated workstation of any type to have at a minimum 1-2 drawer file cabinet
- ?? Modular systems furniture :
  - ?? Acoustic rated panels with nominal width dimensions of 24", 30", 36", 42", & 48". Panels should be no less than 60" in height but can be up to 84" where panels with doors are indicated.
  - ?? Electrified Panels are to be 4 circuit system acoustic rated panels with nominal width dimensions of 24", 30", 36", 42", & 48".
  - ?? Work surfaces nominal width dimensions should be compatible with panel widths. All work surfaces shall mount end to end on panel brackets. Depth of surfaces shall be 24" except if corner work surfaces are utilized. Thickness of work surfaces is to be no less than 11/8".
  - ?? Cantilevers, brackets, plates, and connectors to be metal to metal connections.
  - ?? Overhead storage units – nominal width dimensions should be compatible with panel widths. Flipper door to be open inside of box, so top of overhead can be used for additional storage. All doors to be keyed alike per workstation.

***Functional Requirements - Attachment B***

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- ?? Overhead shelves - nominal width dimensions should be compatible with panel widths. All shelf pans to be metal. All side brackets to be minimum 6" height.
- ?? Task lights - Maximum width to overhead unit, switch to front, plug-in to electrified panels.
- ?? Pedistals - Solid metal construction, full extension ball bearing suspension. All drawers to have safety catch and keyed alike for each workstation
- ?? Pencil drawers - Solid metal construction, full extension ball bearing suspension. All drawers to have safety catch and keyed alike for each workstation
- ?? Keyboard tray - Solid metal construction, full extension in ball bearing ball suspension. Arm to be adjustable in 3 directions – up & down; in & out; tilt & flat.

**Finishes:**

- ?? **Floor:** Multi-colored carpeting with at least 4 color yarns in loop construction to hide wear and staining; action back required. 28 oz weight.
- ?? **Base:** Dark color that matches door frames to hide scuff marks and fingerprints.
- ?? **Door frames:** Dark color to match base
- ?? **Walls:** Painted with a light color that can be easily repainted. This color will be the building standard.
- ?? **Ceiling:** Standard lay-in type acoustic ceiling with perforated texture to hide marks and chips, flat profile.

**Special Design Features:**

***Functional Requirements - Attachment B***

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**Strength Management (GI/AG)**

**Description:**

- ?? GI /AG is involved with processing new military arrivals on base and retention of existing military staff.
- ?? Require interview rooms that can be shared.

**Anticipate Personnel: 23**

**General Specifications:**

- ?? Telephone/data connections at each desk.
- ?? Space will be sized to accommodate the identified function while permitting ease of circulation and ADA requirements.
- ?? Space to be conditioned with heating, cooling, and ventilation.
- ?? Each desk to have one task chair: castered with pneumatic lift, front tilt, and adjustable arm caps.
- ?? All freestanding L shaped reception desks to have 42" high transaction top, return to support computer keyboard tray, monitor, and house built-in CPU space and 2 pedestals – 1:BBF/1:FF.
- ?? All freestanding L shaped desks to have 2 pedestals- 1:BBF/1:FF. Return to support computer keyboard tray, monitor, and CPU unit.
- ?? All freestanding desks to have 2 pedestals, 1:BBF/1:FF. Desk should support keyboard, monitor, and CPU unit.
- ?? All freestanding credenza units to have knee holespace with 2 pedestals – 1:BBF/1-FF. Credenza to support computer keyboard tray, monitor, and CPU unit. All hutch units to provide enclosed storage above, task lights, and tackable area. Hutch to be screw mounted to credenza unit.
- ?? Each designated workstation of any type to have at a minimum 1-2 drawer file cabinet
- ?? Modular systems furniture :
  - ?? Acoustic rated panels with nominal width dimensions of 24", 30", 36", 42", & 48". Panels should be no less than 60" in height but can be up to 84" where panels with doors are indicated.
  - ?? Electrified Panels are to be 4 circuit system acoustic rated panels with nominal width dimensions of 24", 30", 36", 42", & 48".
  - ?? Work surfaces nominal width dimensions should be compatible with panel widths. All work surfaces shall mount end to end on panel brackets. Depth of surfaces shall be 24" except if corner work surfaces are utilized. Thickness of work surfaces is to be no less than 11/8".
  - ?? Cantilevers, brackets, plates, and connectors to be metal to metal connections.
  - ?? Overhead storage units – nominal width dimensions should be compatible with panel widths. Flipper door to be open inside of box, so top of overhead

## ***Functional Requirements - Attachment B***

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can be used for additional storage. All doors to be keyed alike per workstation.

?? Overhead shelves - nominal width dimensions should be compatible with panel widths. All shelf pans to be metal. All side brackets to be minimum 6" height.

?? Task lights - Maximum width to overhead unit, switch to front, plug-in to electrified panels.

?? Pedistals - Solid metal construction, full extension ball bearing suspension. All drawers to have safety catch and keyed alike for each workstation

?? Pencil drawers - Solid metal construction, full extension ball bearing suspension. All drawers to have safety catch and keyed alike for each workstation

?? Keyboard tray - Solid metal construction, full extension in ball bearing ball suspension. Arm to be adjustable in 3 directions – up & down; in & out; tilt & flat.

### **Finishes:**

?? **Floor:** Multi-colored carpeting with at least 4 color yarns in loop construction to hide wear and staining; action back required. 28 oz weight.

?? **Base:** Dark color that matches door frames to hide scuff marks and fingerprints.

?? **Doors & Frames:** Solid core wood doors with hollow metal frames. Dark color to match base

?? **Walls:** Painted with a light color that can be easily repainted. This color will be the building standard.

?? **Ceiling:** Standard lay-in type acoustic ceiling with perforated texture to hide marks and chips, flat profile.

### **Special Design Features:**

## ***Functional Requirements - Attachment B***

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### **Directorate of Information Management (DOIM)**

#### **Description:**

- ?? DOIM maintains flow of information for all base and training directorates.
- ?? Information assurance officers meet for “think tank” sessions and require a special conference room for this function.

#### **Anticipate Personnel: 8**

#### **General Specifications:**

- ?? Telephone/data connections at each desk.
- ?? Space will be sized to accommodate the identified function while permitting ease of circulation and ADA requirements.
- ?? Space to be conditioned with heating, cooling, and ventilation.
- ?? Each desk to have one task chair: castered with pneumatic lift, front tilt, and adjustable arm caps.
- ?? All freestanding L shaped reception desks to have 42” high transaction top, return to support computer keyboard tray, monitor, and house built-in CPU space and 2 pedestals – 1:BBF/1:FF.
- ?? All freestanding L shaped desks to have 2 pedestals- 1:BBF/1:FF. Return to support computer keyboard tray, monitor, and CPU unit.
- ?? All freestanding desks to have 2 pedestals, 1:BBF/1:FF. Desk should support keyboard, monitor, and CPU unit.
- ?? All freestanding credenza units to have knee holespace with 2 pedestals – 1:BBF/1-FF. Credenza to support computer keyboard tray, monitor, and CPU unit. All hutch units to provide enclosed storage above, task lights, and tackable area. Hutch to be screw mounted to credenza unit.
- ?? Each designated workstation of any type to have at a minimum 1-2 drawer file cabinet
- ?? Modular systems furniture :
  - ?? Acoustic rated panels with nominal width dimensions of 24”, 30”, 36”, 42”, & 48”. Panels should be no less than 60” in height but can be up to 84” where panels with doors are indicated.
  - ?? Electrified Panels are to be 4 circuit system acoustic rated panels with nominal width dimensions of 24”, 30”, 36”, 42”, & 48”.
  - ?? Work surfaces nominal width dimensions should be compatible with panel widths. All work surfaces shall mount end to end on panel brackets. Depth of surfaces shall be 24” except if corner work surfaces are utilized. Thickness of work surfaces is to be no less than 11/8”.
  - ?? Cantilivers, brackets, plates, and connectors to be metal to metal connections.
  - ?? Overhead storage units – nominal width dimensions should be compatible with panel widths. Flipper door to be open inside of box, so top of overhead

***Functional Requirements - Attachment B***

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can be used for additional storage. All doors to be keyed alike per workstation.

- ?? Overhead shelves - nominal width dimensions should be compatible with panel widths. All shelf pans to be metal. All side brackets to be minimum 6" height.
- ?? Task lights - Maximum width to overhead unit, switch to front, plug-in to electrified panels.
- ?? Pedistals - Solid metal construction, full extension ball bearing suspension. All drawers to have safety catch and keyed alike for each workstation
- ?? Pencil drawers - Solid metal construction, full extension ball bearing suspension. All drawers to have safety catch and keyed alike for each workstation
- ?? Keyboard tray - Solid metal construction, full extension in ball bearing ball suspension. Arm to be adjustable in 3 directions – up & down; in & out; tilt & flat.

**Finishes:**

- ?? **Floor:** Multi-colored carpeting with at least 4 color yarns in loop construction to hide wear and staining; action back required. 28 oz weight.
- ?? **Base:** Dark color that matches door frames to hide scuff marks and fingerprints.
- ?? **Door frames:** Dark color to match base
- ?? **Walls:** Painted with a light color that can be easily repainted. This color will be the building standard.
- ?? **Ceiling:** Standard lay-in type acoustic ceiling with perforated texture to hide marks and chips, flat profile.

**Special Design Features:**

“Think Tank” Room for 6 people with conference amenities to facilitate specialized creative, brainstorming, “think tank” sessions including marker board, tack walls, and data and telephone connections.

Ground Floor Mail Room: Mail slots 21” W x 10-3/4”x D x 14” H- zousers locked box for outgoing mail. Fill boxes from back side. FedEx drop box required. Drop box for personal mail. Cupboard for parcel pickup cart storage.

## ***Functional Requirements - Attachment B***

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### **Installation Planning & Business Operations (IP & BO)**

**Description:** “Installation Support Office” Strategic planning and installation Quality & Business functions and support of senior leaders.

**Anticipate Personnel: 21**

#### **General Specifications:**

- ?? Telephone/data connections at each desk.
- ?? Space will be sized to accommodate the identified function while permitting ease of circulation and ADA requirements.
- ?? Space to be conditioned with heating, cooling, and ventilation.
- ?? Each desk to have one task chair: castered with pneumatic lift, front tilt, and adjustable arm caps.
- ?? All freestanding L shaped reception desks to have 42” high transaction top, return to support computer keyboard tray, monitor, and house built-in CPU space and 2 pedestals – 1:BBF/1:FF.
- ?? All freestanding L shaped desks to have 2 pedestals- 1:BBF/1:FF. Return to support computer keyboard tray, monitor, and CPU unit.
- ?? All freestanding desks to have 2 pedestals, 1:BBF/1:FF. Desk should support keyboard, monitor, and CPU unit.
- ?? All freestanding credenza units to have knee holespace with 2 pedestals – 1:BBF/1-FF. Credenza to support computer keyboard tray, monitor, and CPU unit. All hutch units to provide enclosed storage above, task lights, and tackable area. Hutch to be screw mounted to credenza unit.
- ?? Each designated workstation of any type to have at a minimum 1-2 drawer file cabinet
- ?? Modular systems furniture :
  - ?? Acoustic rated panels with nominal width dimensions of 24”, 30”, 36”, 42”, & 48”. Panels should be no less than 60” in height but can be up to 84” where panels with doors are indicated.
  - ?? Electrified Panels are to be 4 circuit system acoustic rated panels with nominal width dimensions of 24”, 30”, 36”, 42”, & 48”.
  - ?? Work surfaces nominal width dimensions should be compatible with panel widths. All work surfaces shall mount end to end on panel brackets. Depth of surfaces shall be 24” except if corner work surfaces are utilized. Thickness of work surfaces is to be no less than 11/8”.
  - ?? Cantilevers, brackets, plates, and connectors to be metal to metal connections.
  - ?? Overhead storage units – nominal width dimensions should be compatible with panel widths. Flipper door to be open inside of box, so top of overhead can be used for additional storage. All doors to be keyed alike per workstation.

***Functional Requirements - Attachment B***

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- ?? Overhead shelves - nominal width dimensions should be compatible with panel widths. All shelf pans to be metal. All side brackets to be minimum 6" height.
- ?? Task lights - Maximum width to overhead unit, switch to front, plug-in to electrified panels.
- ?? Pedistals - Solid metal construction, full extension ball bearing suspension. All drawers to have safety catch and keyed alike for each workstation
- ?? Pencil drawers - Solid metal construction, full extension ball bearing suspension. All drawers to have safety catch and keyed alike for each workstation
- ?? Keyboard tray - Solid metal construction, full extension in ball bearing ball suspension. Arm to be adjustable in 3 directions – up & down; in & out; tilt & flat.

**Finishes:**

- ?? **Floor:** Multi-colored carpeting with at least 4 color yarns in loop construction to hide wear and staining; action back required. 28 oz weight.
- ?? **Base:** Dark color that matches door frames to hide scuff marks and fingerprints.
- ?? **Door frames:** Dark color to match base
- ?? **Walls:** Painted with a light color that can be easily repainted. This color will be the building standard.
- ?? **Ceiling:** Standard lay-in type acoustic ceiling with perforated texture to hide marks and chips, flat profile.

**Special Design Features:**

## ***Functional Requirements - Attachment B***

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### **Directorate of Public Works (DPW)**

#### **Description:**

- ?? DPW provides facilities interface for the entire Base. They have contractors, vendors and Base staff in their office throughout the day.
- ?? DPW provides documents and Archive information regarding Base infrastructure.
- ?? DPW also provides turn-key project management for Base projects.

#### **Anticipate Personnel: 28**

#### **General Specifications:**

- ?? Telephone/data connections at each desk.
- ?? Space will be sized to accommodate the identified function while permitting ease of circulation and ADA requirements.
- ?? Space to be conditioned with heating, cooling, and ventilation.
- ?? Each desk to have one task chair: casters with pneumatic lift, front tilt, and adjustable arm caps.
- ?? All freestanding L shaped reception desks to have 42" high transaction top, return to support computer keyboard tray, monitor, and house built-in CPU space and 2 pedestals – 1:BBF/1:FF.
- ?? All freestanding L shaped desks to have 2 pedestals- 1:BBF/1:FF. Return to support computer keyboard tray, monitor, and CPU unit.
- ?? All freestanding desks to have 2 pedestals, 1:BBF/1:FF. Desk should support keyboard, monitor, and CPU unit.
- ?? All freestanding credenza units to have knee hole space with 2 pedestals – 1:BBF/1-FF. Credenza to support computer keyboard tray, monitor, and CPU unit. All hutch units to provide enclosed storage above, task lights, and tackable area. Hutch to be screw mounted to credenza unit.
- ?? Each designated workstation of any type to have at a minimum 1-2 drawer file cabinet
- ?? Modular systems furniture :
  - ?? Acoustic rated panels with nominal width dimensions of 24", 30", 36", 42", & 48". Panels should be no less than 60" in height but can be up to 84" where panels with doors are indicated.
  - ?? Electrified Panels are to be 4 circuit system acoustic rated panels with nominal width dimensions of 24", 30", 36", 42", & 48".
  - ?? Work surfaces nominal width dimensions should be compatible with panel widths. All work surfaces shall mount end to end on panel brackets. Depth of surfaces shall be 24" except if corner work surfaces are utilized. Thickness of work surfaces is to be no less than 11/8".
  - ?? Cantilievers, brackets, plates, and connectors to be metal to metal connections.

***Functional Requirements - Attachment B***

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- ?? Overhead storage units – nominal width dimensions should be compatible with panel widths. Flipper door to be open inside of box, so top of overhead can be used for additional storage. All doors to be keyed alike per workstation.
- ?? Overhead shelves - nominal width dimensions should be compatible with panel widths. All shelf pans to be metal. All side brackets to be minimum 6" height.
- ?? Task lights - Maximum width to overhead unit, switch to front, plug-in to electrified panels.
- ?? Pedistals - Solid metal construction, full extension ball bearing suspension. All drawers to have safety catch and keyed alike for each workstation
- ?? Pencil drawers - Solid metal construction, full extension ball bearing suspension. All drawers to have safety catch and keyed alike for each workstation
- ?? Keyboard tray - Solid metal construction, full extension in ball bearing ball suspension. Arm to be adjustable in 3 directions – up & down; in & out; tilt & flat.

**Finishes:**

- ?? **Floor:** Multi-colored carpeting with at least 4 color yarns in loop construction to hide wear and staining; action back required. 28 oz weight.
- ?? **Base:** Dark color that matches door frames to hide scuff marks and fingerprints.
- ?? **Door frames:** Dark color to match base
- ?? **Walls:** Painted with a light color that can be easily repainted. This color will be the building standard.
- ?? **Ceiling:** Standard lay-in type acoustic ceiling with perforated texture to hide marks and chips, flat profile.

**Special Design Features:**

- ?? Require library / reference area within their offices, and some document storage for current projects.
- ?? 4 CADD stations required in Reproduction room.

## ***Functional Requirements - Attachment B***

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- ?? All workstations require minimum 30" depth work surfaces to accommodate project documents and drawings.
- ?? Archive facilities will be housed in another off-site location.

### **Reproduction/Documents Room (DPW)**

#### **Description:**

- ?? Requires space to store, review and retrieve large documents, sort and stack large documents and reproduce by blueprint, printer or plotter method.
- ?? 40 Flat Files will be housed in the current project / archive room, layout space adjoining and required hanging TSP files.

#### **General Specifications:**

- ?? Telephone/data connections at each desk.
- ?? Space will be sized to accommodate the identified function while permitting ease of circulation and ADA requirements.
- ?? Space to be conditioned with heating, cooling, and ventilation.
- ?? Each desk to have one task chair: castered with pneumatic lift, front tilt, and adjustable arm caps.
- ?? All freestanding desks to have 2 pedestals, 1:BBF/1:FF. Desk should support keyboard, monitor, and CPU unit.

#### **Finishes:**

- ?? **Floor:** VCT required – 70% Field Color / 15% Accent Color I / 15% Accent Color
- ?? **Base:** Dark color that matches door frames to hide scuff marks and fingerprints.
- ?? **Door frames:** Dark color to match base
- ?? **Walls:** 54" wide Wallcover Class A Type II
- ?? **Ceiling:** Standard lay-in type acoustic ceiling with perforated texture to hide marks and chips, flat profile.

#### **Special Design Features:**

- ?? Storage area for ammonia, toner and paper
- ?? Special Area designated for (3) large recycle trash containers, and (1) large regular trash container.
- ?? Acoustic wallcover to be used at plotter locations.
- ?? Technical library should be used in adjacent space.

## ***Functional Requirements - Attachment B***

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?? DPW can share conference facilities.

### **Directorate of Contracting (DOC)**

#### **Description:**

- ?? Provide services for the base as contract liaison to vendors and suppliers requesting to do work on the base.
- ?? Review existing contracts, to update, review or terminate.
- ?? Bid openings.

#### **Anticipate Personnel: 26**

#### **General Specifications:**

- ?? Telephone/data connections at each desk.
- ?? Space will be sized to accommodate the identified function while permitting ease of circulation and ADA requirements.
- ?? Space to be conditioned with heating, cooling, and ventilation.
- ?? Each desk to have one task chair: casters with pneumatic lift, front tilt, and adjustable arm caps.
- ?? All freestanding L shaped reception desks to have 42" high transaction top, return to support computer keyboard tray, monitor, and house built-in CPU space and 2 pedestals – 1:BBF/1:FF.
- ?? All freestanding L shaped desks to have 2 pedestals- 1:BBF/1:FF. Return to support computer keyboard tray, monitor, and CPU unit.
- ?? All freestanding desks to have 2 pedestals, 1:BBF/1:FF. Desk should support keyboard, monitor, and CPU unit.
- ?? All freestanding credenza units to have knee hole space with 2 pedestals – 1:BBF/1-FF. Credenza to support computer keyboard tray, monitor, and CPU unit. All hutch units to provide enclosed storage above, task lights, and tackable area. Hutch to be screw mounted to credenza unit.
- ?? Each designated workstation of any type to have at a minimum 1-2 drawer file cabinet
- ?? Modular systems furniture :
  - ?? Acoustic rated panels with nominal width dimensions of 24", 30", 36", 42", & 48". Panels should be no less than 60" in height but can be up to 84" where panels with doors are indicated.
  - ?? Electrified Panels are to be 4 circuit system acoustic rated panels with nominal width dimensions of 24", 30", 36", 42", & 48".
  - ?? Work surfaces nominal width dimensions should be compatible with panel widths. All work surfaces shall mount end to end on panel brackets. Depth of surfaces shall be 24" except if corner work surfaces are utilized. Thickness of work surfaces is to be no less than 11/8".

***Functional Requirements - Attachment B***

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- ?? Cantilevers, brackets, plates, and connectors to be metal to metal connections.
- ?? Overhead storage units – nominal width dimensions should be compatible with panel widths. Flipper door to be open inside of box, so top of overhead can be used for additional storage. All doors to be keyed alike per workstation.
- ?? Overhead shelves - nominal width dimensions should be compatible with panel widths. All shelf pans to be metal. All side brackets to be minimum 6” height.
- ?? Task lights - Maximum width to overhead unit, switch to front, plug-in to electrified panels.
- ?? Pedistals - Solid metal construction, full extension ball bearing suspension. All drawers to have safety catch and keyed alike for each workstation
- ?? Pencil drawers - Solid metal construction, full extension ball bearing suspension. All drawers to have safety catch and keyed alike for each workstation
- ?? Keyboard tray - Solid metal construction, full extension in ball bearing ball suspension. Arm to be adjustable in 3 directions – up & down; in & out; tilt & flat.

**Finishes:**

- ?? **Floor:** Multi-colored carpeting with at least 4 color yarns in loop construction to hide wear and staining; action back required. 28 oz weight.
- ?? **Base:** Dark color that matches door frames to hide scuff marks and fingerprints.
- ?? **Door frames:** Dark color to match base
- ?? **Walls:** Painted with a light color that can be easily repainted. This color will be the building standard.
- ?? **Ceiling:** Standard lay-in type acoustic ceiling with perforated texture to hide marks and chips, flat profile.

**Special Design Features:**

- ?? Require conference facility for 15 people for bid opening. This space can be a shared facility.
- ?? Training room to seat 30-40 people for credit card user classes.

## ***Functional Requirements - Attachment B***

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(AM#8)

- ?? Provide 24" X 48" computer workstations, freestanding with ATK finishes in lab areas for Team A and Team B.

### **Civilian Personnel (CPAC)**

#### **Description:**

- ?? CPAC is the point of contact for all civilians working on the base or visiting the base. They are required to post all positions, maintain personal records, continue retention efforts on behalf of the base, provide ongoing training of civilians and provide labor relations and wage review boards.
- ?? Computer training 10 stations required – can be shared within common area, space needs to be accessible within 24-hour timeline for daily training.
- ?? Labor relations & wage review conference room needs to be a separate facility for CPAC. The use of this room may be ongoing for up to 3 months.
- ?? Touch screen job information center terminals will be placed at elevator lobby locations on the first and third floor of the building.
- ?? Waiting room needs to accommodate tablet armchairs for applicants as well as a children's area for family use.

**Anticipate Personnel: 23**

#### **General Specifications:**

- ?? Telephone/data connections at each desk.
- ?? Space will be sized to accommodate the identified function while permitting ease of circulation and ADA requirements.
- ?? Space to be conditioned with heating, cooling, and ventilation.
- ?? Each desk to have one task chair: castered with pneumatic lift, front tilt, and adjustable arm caps.
- ?? All freestanding L shaped reception desks to have 42" high transaction top, return to support computer keyboard tray, monitor, and house built-in CPU space and 2 pedestals – 1:BBF/1:FF.
- ?? All freestanding L shaped desks to have 2 pedestals- 1:BBF/1:FF. Return to support computer keyboard tray, monitor, and CPU unit.
- ?? All freestanding desks to have 2 pedestals, 1:BBF/1:FF. Desk should support keyboard, monitor, and CPU unit.
- ?? All freestanding credenza units to have knee hole space with 2 pedestals – 1:BBF/1-FF. Credenza to support computer keyboard tray, monitor, and CPU unit. All hutch units to provide enclosed storage above, task lights, and tackable area. Hutch to be screw mounted to credenza unit.

***Functional Requirements - Attachment B***

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- ?? Each designated workstation of any type to have at a minimum 1-2 drawer file cabinet
- ?? Modular systems furniture :
  - ?? Acoustic rated panels with nominal width dimensions of 24", 30", 36", 42", & 48". Panels should be no less than 60" in height but can be up to 84" where panels with doors are indicated.
  - ?? Electrified Panels are to be 4 circuit system acoustic rated panels with nominal width dimensions of 24", 30", 36", 42", & 48".
  - ?? Work surfaces nominal width dimensions should be compatible with panel widths. All work surfaces shall mount end to end on panel brackets. Depth of surfaces shall be 24" except if corner work surfaces are utilized. Thickness of work surfaces is to be no less than 11/8".
  - ?? Cantilevers, brackets, plates, and connectors to be metal to metal connections.
  - ?? Overhead storage units – nominal width dimensions should be compatible with panel widths. Flipper door to be open inside of box, so top of overhead can be used for additional storage. All doors to be keyed alike per workstation.
  - ?? Overhead shelves - nominal width dimensions should be compatible with panel widths. All shelf pans to be metal. All side brackets to be minimum 6" height.
- ?? Task lights - Maximum width to overhead unit, switch to front, plug-in to electrified panels.
- ?? Pedistals - Solid metal construction, full extension ball bearing suspension. All drawers to have safety catch and keyed alike for each workstation
- ?? Pencil drawers - Solid metal construction, full extension ball bearing suspension. All drawers to have safety catch and keyed alike for each workstation
- ?? Keyboard tray - Solid metal construction, full extension in ball bearing ball suspension. Arm to be adjustable in 3 directions – up & down; in & out; tilt & flat.

**Finishes:**

- ?? **Floor:** Multi-colored carpeting with at least 4 color yarns in loop construction to hide wear and staining; action back required. 28 oz weight.
- ?? **Base:** Dark color that matches door frames to hide scuff marks and fingerprints.
- ?? **Door frames:** Dark color to match base
- ?? **Walls:** Painted with a light color that can be easily repainted. This

***Functional Requirements - Attachment B***

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color will be the building standard.  
Acoustic wallcover in waiting area.

- ?? **Ceiling:** Standard lay-in type acoustic ceiling with perforated texture to hide marks and chips, flat profile.

**Special Design Features:**

- ??CPAC requires a separate copier area for sensitive copying and mail distribution.
- ??Server room required for special system computer.
- ??Large storage room to house 75 file cabinets, VCT flooring.
- ??Investigator needs to have alternate means of access into building.
- ??Existing touch screen terminals shall be moved from existing location.  
Provide electrical, telephone and data connections at elevator lobby of first and third floors.

## ***Functional Requirements - Attachment B***

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### **Training Rooms**

#### **Description:**

- ?? Training rooms are required to be shared but lockable facilities located in the central core of the building, within easy access of the elevator lobbies.
- ?? Windows are not desirable in this space.
- ?? Training rooms require orientation to the “Central or Front” focus of the room – the doorway should be to the rear of the room if at all possible.
- ?? Use vinyl write-on wallcover on one wall of each room. Aluminum marker rail to be provided end to end of wall.
- ?? Special drop down A/V screens for use with presentations.
- ?? Furnishings to be easily reconfigured and locked into the following configurations: Lineal training tables, square group training tables, rectangular meeting tables or open center conferencing / board style.
- ?? Chairs to be: castered with pneumatic lift

#### **General Specifications:**

- ?? Telephone/data connections at each training table.
- ?? Space will be sized to accommodate the identified function while permitting ease of circulation and ADA requirements.
- ?? Space to be conditioned with heating, cooling, and ventilation.

#### **Finishes:**

- ?? **Floor:** VCT 70% Field color, 15% Accent Color I, 15% Accent Color II
- ?? **Base:** Dark color that matches door frames to hide scuff marks and fingerprints.
- ?? **Door frames:** Dark color to match base
- ?? **Walls:** Painted with a light color that can be easily repainted. This color will be the building standard.
- ?? **Ceiling:** Standard lay-in type acoustic ceiling with perforated texture to hide marks and chips, flat profile.

#### **Special Design Features:**

- ??Special electrical and data/com requirements will be required for this room. Outlets may be in either or both wall and floor locations.
- ??Provide black-out curtains for all windows.

***Functional Requirements - Attachment B***

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**File Room (CPAC)**

**Description:**

?? CPAC file room to house 75 file cabinets of various sizes.

**General Specifications:**

?? Space will be sized to accommodate the identified function while permitting ease of circulation and ADA requirements.

?? Space to be conditioned with heating, cooling, and ventilation.

**Finishes:**

?? **Floor:** VCT 100% Field Color

?? **Base:** Dark color that matches door frames to hide scuff marks and fingerprints.

?? **Door frames:** Dark color to match base

?? **Walls:** Painted with a light color that can be easily repainted. This color will be the building standard.

?? **Ceiling:** Standard lay-in type acoustic ceiling with perforated texture to hide marks and chips, flat profile.

## ***Functional Requirements - Attachment B***

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### **Directorate of Community and Family Activities (DCFA)**

#### **Description:**

- ?? DCFA develops and manages human services and community programs for the base.
- ?? Waiting area for family and children.
- ?? Interview room can be shared space within central core of building.
- ?? 2 safes are required for confidential documents.

#### **Anticipate Personnel: 29**

#### **General Specifications:**

- ?? Telephone/data connections at each desk.
- ?? Space will be sized to accommodate the identified function while permitting ease of circulation and ADA requirements.
- ?? Space to be conditioned with heating, cooling, and ventilation.
- ?? Each desk to have one task chair: castered with pneumatic lift, front tilt, and adjustable arm caps.
- ?? All freestanding L shaped reception desks to have 42" high transaction top, return to support computer keyboard tray, monitor, and house built-in CPU space and 2 pedestals – 1:BBF/1:FF.
- ?? All freestanding L shaped desks to have 2 pedestals- 1:BBF/1:FF. Return to support computer keyboard tray, monitor, and CPU unit.
- ?? All freestanding desks to have 2 pedestals, 1:BBF/1:FF. Desk should support keyboard, monitor, and CPU unit.
- ?? All freestanding credenza units to have knee hole space with 2 pedestals – 1:BBF/1-FF. Credenza to support computer keyboard tray, monitor, and CPU unit. All hutch units to provide enclosed storage above, task lights, and tackable area. Hutch to be screw mounted to credenza unit.
- ?? Each designated workstation of any type to have at a minimum 1-2 drawer file cabinet
- ?? Modular systems furniture :
  - ?? Acoustic rated panels with nominal width dimensions of 24", 30", 36", 42", & 48". Panels should be no less than 60" in height but can be up to 84" where panels with doors are indicated.
  - ?? Electrified Panels are to be 4 circuit system acoustic rated panels with nominal width dimensions of 24", 30", 36", 42", & 48".
  - ?? Work surfaces nominal width dimensions should be compatible with panel widths. All work surfaces shall mount end to end on panel brackets. Depth of surfaces shall be 24" except if corner work surfaces are utilized. Thickness of work surfaces is to be no less than 11/8".
  - ?? Cantilievers, brackets, plates, and connectors to be metal to metal connections.

***Functional Requirements - Attachment B***

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- ?? Overhead storage units – nominal width dimensions should be compatible with panel widths. Flipper door to be open inside of box, so top of overhead can be used for additional storage. All doors to be keyed alike per workstation.
- ?? Overhead shelves - nominal width dimensions should be compatible with panel widths. All shelf pans to be metal. All side brackets to be minimum 6" height.
  
- ?? Task lights - Maximum width to overhead unit, switch to front, plug-in to electrified panels.
- ?? Pedistals - Solid metal construction, full extension ball bearing suspension. All drawers to have safety catch and keyed alike for each workstation
- ?? Pencil drawers - Solid metal construction, full extension ball bearing suspension. All drawers to have safety catch and keyed alike for each workstation
- ?? Keyboard tray - Solid metal construction, full extension in ball bearing ball suspension. Arm to be adjustable in 3 directions – up & down; in & out; tilt & flat.

**Finishes:**

- ?? **Floor:** Multi-colored carpeting with at least 4 color yarns in loop construction to hide wear and staining; action back required. 28 oz weight.
  
- ?? **Base:** Dark color that matches door frames to hide scuff marks and fingerprints.
  
- ?? **Door frames:** Dark color to match base
  
- ?? **Walls:** Painted with a light color that can be easily repainted. This color will be the building standard.
  
- ?? **Ceiling:** Standard lay-in type acoustic ceiling with perforated texture to hide marks and chips, flat profile.

**Special Design Features:**

- ?? Separate server / mainframe, VCT flooring

## ***Functional Requirements - Attachment B***

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### **G3-Training-Emergency Operation Center (G3/DPTMS-EOC)**

#### **Description:**

- ?? Emergency operations center is a secured facility on 24-hour readiness standby.  
This area of the building will be vault secured at all times.
- ?? The VCT will be adjacent space to the EOC.
- ?? Secured entrance is required for these spaces and a separate clearance / reception area will be located next to the elevator lobby.
- ?? The second floor area G3-DPTMS shall have standard work environment.

**Anticipate Personnel: 19-EOC  
22-G3/DPTMS**

#### **General Specifications:**

- ?? Telephone/data connections at each desk.
- ?? Space will be sized to accommodate the identified function while permitting ease of circulation and ADA requirements.
- ?? Space to be conditioned with heating, cooling, and ventilation.
- ?? Each desk to have one task chair: castered with pneumatic lift, front tilt, and adjustable arm caps.
- ?? All freestanding L shaped reception desks to have 42" high transaction top, return to support computer keyboard tray, monitor, and house built-in CPU space and 2 pedestals – 1:BBF/1:FF.
- ?? All freestanding L shaped desks to have 2 pedestals- 1:BBF/1:FF. Return to support computer keyboard tray, monitor, and CPU unit.
- ?? All freestanding desks to have 2 pedestals, 1:BBF/1:FF. Desk should support keyboard, monitor, and CPU unit.
- ?? All freestanding credenza units to have knee hole space with 2 pedestals – 1:BBF/1-FF. Credenza to support computer keyboard tray, monitor, and CPU unit. All hutch units to provide enclosed storage above, task lights, and tackable area. Hutch to be screw mounted to credenza unit.
- ?? Each designated workstation of any type to have at a minimum 1-2 drawer file cabinet
- ?? Modular systems furniture :
  - ?? Acoustic rated panels with nominal width dimensions of 24", 30", 36", 42", & 48". Panels should be no less than 60" in height but can be up to 84" where panels with doors are indicated.
  - ?? Electrified Panels are to be 4 circuit system acoustic rated panels with nominal width dimensions of 24", 30", 36", 42", & 48".
  - ?? Work surfaces nominal width dimensions should be compatible with panel widths. All work surfaces shall mount end to end on panel brackets. Depth of surfaces shall be 24" except if corner work surfaces are utilized. Thickness of work surfaces is to be no less than 11/8".

***Functional Requirements - Attachment B***

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- ?? Cantilevers, brackets, plates, and connectors to be metal to metal connections.
- ?? Overhead storage units – nominal width dimensions should be compatible with panel widths. Flipper door to be open inside of box, so top of overhead can be used for additional storage. All doors to be keyed alike per workstation.
- ?? Overhead shelves - nominal width dimensions should be compatible with panel widths. All shelf pans to be metal. All side brackets to be minimum 6” height.
- ?? Task lights - Maximum width to overhead unit, switch to front, plug-in to electrified panels.
- ?? Pedistals - Solid metal construction, full extension ball bearing suspension. All drawers to have safety catch and keyed alike for each workstation
- ?? Pencil drawers - Solid metal construction, full extension ball bearing suspension. All drawers to have safety catch and keyed alike for each workstation
- ?? Keyboard tray - Solid metal construction, full extension in ball bearing ball suspension. Arm to be adjustable in 3 directions – up & down; in & out; tilt & flat.

**Finishes:**

- ?? **Floor:** Multi-colored carpeting with at least 4 color yarns in loop construction to hide wear and staining; action back required. 28 oz weight.
- ?? **Base:** Dark color that matches door frames to hide scuff marks and fingerprints.
- ?? **Door frames:** Dark color to match base
- ?? **Walls:** Painted with a light color that can be easily repainted. This color will be the building standard.
- ?? **Ceiling:** Standard lay-in type acoustic ceiling with perforated texture to hide marks and chips, flat profile.

**Special Design Features:**

- ?? Sound absorb panels required on interior wall of EOC (inner room).
- ?? All windows to remain in 1<sup>st</sup> floor of EOC, but interior side of windows is to be filled in with masonry 1CMU.
- ?? Provide one visitor chair for each modular workstation.

***Functional Requirements - Attachment B***

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?? Provide 2 visitor chairs for each private office.

?? Sound dampening textile window coverings on all windows in EOC.

(AM #8)

?? Provide 24" X 60" computer workstations, freestanding with ATK finishes in EOC computer Tech/work room.

## ***Functional Requirements - Attachment B***

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### **Quality & Assurance (Q & A)**

#### **Description:**

- ?? Provide quality and assurance for base functions.
- ?? Closer proximity to parking – inspectors are out at job sites most days.

#### **Anticipate Personnel: 21**

#### **General Specifications:**

- ?? Telephone/data connections at each desk.
- ?? Space will be sized to accommodate the identified function while permitting ease of circulation and ADA requirements.
- ?? Space to be conditioned with heating, cooling, and ventilation.
- ?? Each desk to have one task chair: casters with pneumatic lift, front tilt, and adjustable arm caps.
- ?? All freestanding L shaped reception desks to have 42" high transaction top, return to support computer keyboard tray, monitor, and house built-in CPU space and 2 pedestals – 1:BBF/1:FF.
- ?? All freestanding L shaped desks to have 2 pedestals- 1:BBF/1:FF. Return to support computer keyboard tray, monitor, and CPU unit.
- ?? All freestanding desks to have 2 pedestals, 1:BBF/1:FF. Desk should support keyboard, monitor, and CPU unit.
- ?? All freestanding credenza units to have knee hole space with 2 pedestals – 1:BBF/1-FF. Credenza to support computer keyboard tray, monitor, and CPU unit. All hutch units to provide enclosed storage above, task lights, and tackable area. Hutch to be screw mounted to credenza unit.
- ?? Each designated workstation of any type to have at a minimum 1-2 drawer file cabinet
- ?? Modular systems furniture :
  - ?? Acoustic rated panels with nominal width dimensions of 24", 30", 36", 42", & 48". Panels should be no less than 60" in height but can be up to 84" where panels with doors are indicated.
  - ?? Electrified Panels are to be 4 circuit system acoustic rated panels with nominal width dimensions of 24", 30", 36", 42", & 48".
  - ?? Work surfaces nominal width dimensions should be compatible with panel widths. All work surfaces shall mount end to end on panel brackets. Depth of surfaces shall be 24" except if corner work surfaces are utilized. Thickness of work surfaces is to be no less than 11/8".
  - ?? Cantilevers, brackets, plates, and connectors to be metal to metal connections.  
Overhead storage units – nominal width dimensions should be compatible can be used for additional storage. All doors to be keyed alike per workstation.

***Functional Requirements - Attachment B***

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- ?? Overhead shelves - nominal width dimensions should be compatible with panel widths. All shelf pans to be metal. All side brackets to be minimum 6" height.
- ?? Task lights - Maximum width to overhead unit, switch to front, plug-in to electrified panels.
- ?? Pedistals - Solid metal construction, full extension ball bearing suspension. All drawers to have safety catch and keyed alike for each workstation
- ?? Pencil drawers - Solid metal construction, full extension ball bearing suspension. All drawers to have safety catch and keyed alike for each workstation
- ?? Keyboard tray - Solid metal construction, full extension in ball bearing ball suspension. Arm to be adjustable in 3 directions – up & down; in & out; tilt & flat.

**Finishes:**

- ?? **Floor:** Multi-colored carpeting with at least 4 color yarns in loop construction to hide wear and staining; action back required. 28 oz weight.
- ?? **Base:** Dark color that matches door frames to hide scuff marks and fingerprints.
- ?? **Door frames:** Dark color to match base
- ?? **Walls:** Painted with a light color that can be easily repainted. This color will be the building standard.
- ?? **Ceiling:** Standard lay-in type acoustic ceiling with perforated texture to hide marks and chips, flat profile.

**Special Design Features:**

- ??Require 10x12 tool room.

## ***Functional Requirements - Attachment B***

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### **Equal Opportunity & Equal Employment Opportunity (EO & EEO)**

#### **Description:**

- ?? EO & EEO maintain relationship with all base personnel regarding counseling, advisors, NCO services, base functions and activities.
- ?? Quarterly shared training facility.
- ?? Enclosed visitor area.
- ?? Special storage room for A/V equipment, seasonal displays, learners, and handouts.
- ?? Request all private offices because of confidential nature of the work.

#### **Anticipate Personnel: 8**

#### **General Specifications:**

- ?? Telephone/data connections at each desk.
- ?? Space will be sized to accommodate the identified function while permitting ease of circulation and ADA requirements.
- ?? Space to be conditioned with heating, cooling, and ventilation.
- ?? Each desk to have one task chair: castered with pneumatic lift, front tilt, and adjustable arm caps.
- ?? All freestanding L shaped reception desks to have 42" high transaction top, return to support computer keyboard tray, monitor, and house built-in CPU space and 2 pedestals – 1:BBF/1:FF.
- ?? All freestanding L shaped desks to have 2 pedestals- 1:BBF/1:FF. Return to support computer keyboard tray, monitor, and CPU unit.
- ?? All freestanding desks to have 2 pedestals, 1:BBF/1:FF. Desk should support keyboard, monitor, and CPU unit.
- ?? All freestanding credenza units to have knee hole space with 2 pedestals – 1:BBF/1-FF. Credenza to support computer keyboard tray, monitor, and CPU unit. All hutch units to provide enclosed storage above, task lights, and tackable area. Hutch to be screw mounted to credenza unit.
- ?? Each designated workstation of any type to have at a minimum 1-2 drawer file cabinet
- ?? Modular systems furniture :
  - ?? Acoustic rated panels with nominal width dimensions of 24", 30", 36", 42", & 48". Panels should be no less than 60" in height but can be up to 84" where panels with doors are indicated.
  - ?? Electrified Panels are to be 4 circuit system acoustic rated panels with nominal width dimensions of 24", 30", 36", 42", & 48".
  - ?? Work surfaces nominal width dimensions should be compatible with panel widths. All work surfaces shall mount end to end on panel brackets. Depth

## ***Functional Requirements - Attachment B***

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of surfaces shall be 24" except if corner work surfaces are utilized. Thickness of work surfaces is to be no less than 1 1/8".

- ?? Cantilevers, brackets, plates, and connectors to be metal to metal connections.
- ?? Overhead storage units – nominal width dimensions should be compatible with panel widths. Flipper door to be open inside of box, so top of overhead can be used for additional storage. All doors to be keyed alike per workstation.
- ?? Overhead shelves - nominal width dimensions should be compatible with panel widths. All shelf pans to be metal. All side brackets to be minimum 6" height.
  
- ?? Task lights - Maximum width to overhead unit, switch to front, plug-in to electrified panels.
- ?? Pedistals - Solid metal construction, full extension ball bearing suspension. All drawers to have safety catch and keyed alike for each workstation
- ?? Pencil drawers - Solid metal construction, full extension ball bearing suspension. All drawers to have safety catch and keyed alike for each workstation
- ?? Keyboard tray - Solid metal construction, full extension in ball bearing ball suspension. Arm to be adjustable in 3 directions – up & down; in & out; tilt & flat.

### **Finishes:**

- ?? **Floor:** Multi-colored carpeting with at least 4 color yarns in loop construction to hide wear and staining; action back required. 28 oz weight.
  
- ?? **Base:** Dark color that matches door frames to hide scuff marks and fingerprints.
  
- ?? **Door frames:** Dark color to match base
  
- ?? **Walls:** Painted with a light color that can be easily repainted. This color will be the building standard. Acoustic wallcover at waiting areas.
  
- ?? **Ceiling:** Standard lay-in type acoustic ceiling with perforated texture to hide marks and chips, flat profile.

### **Special Design Features:**

**Functional Requirements - Attachment B**

??Need counseling room specifically for case meetings that can last up to one week.

**Directorate of Resource Management (DRM-Comptroller)****Description:**

The directorate of Resource Management is responsible for the financial planning and management functions for the headquarters. This organization develops long range funding requirements and the annual operating budget based on requirements from all functional organizations. The comptroller establishes funds distribution plan based on allocate dollars to create an executable program. Budget analysis track performances of assigned accounts to ensure funds are executed to meet internal objectives and external OSD goals. Accounting loads accounts and certifies. Funds availability to prevent anti-deficiency situations. The directorate oversees the travel program by certifying travel orders; processing travel vouchers, and managing the government travel card functions.

**Anticipate Personnel: 44****General Specifications:**

- ?? Telephone/data connections at each desk.
- ?? Space will be sized to accommodate the identified function while permitting ease of circulation and ADA requirements.
- ?? Space to be conditioned with heating, cooling, and ventilation.
- ?? Each desk to have one task chair: castered with pneumatic lift, front tilt, and adjustable arm caps.
- ?? All freestanding L shaped reception desks to have 42" high transaction top, return to support computer keyboard tray, monitor, and house built-in CPU space and 2 pedestals – 1:BBF/1:FF.
- ?? All freestanding L shaped desks to have 2 pedestals- 1:BBF/1:FF. Return to support computer keyboard tray, monitor, and CPU unit.
- ?? All freestanding desks to have 2 pedestals, 1:BBF/1:FF. Desk should support keyboard, monitor, and CPU unit.
- ?? All freestanding credenza units to have knee hole space with 2 pedestals – 1:BBF/1-FF. Credenza to support computer keyboard tray, monitor, and CPU unit. All hutch units to provide enclosed storage above, task lights, and tackable area. Hutch to be screw mounted to credenza unit.
- ?? Each designated workstation of any type to have at a minimum 1-2 drawer file cabinet
- ?? Modular systems furniture :
  - ?? Acoustic rated panels with nominal width dimensions of 24", 30", 36", 42", & 48". Panels should be no less than 60" in height but can be up to 84" where panels with doors are indicated.

***Functional Requirements - Attachment B***

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- ?? Electrified Panels are to be 4 circuit system acoustic rated panels with nominal width dimensions of 24", 30", 36", 42", & 48".
- ?? Work surfaces nominal width dimensions should be compatible with panel widths. All work surfaces shall mount end to end on panel brackets. Depth of surfaces shall be 24" except if corner work surfaces are utilized. Thickness of work surfaces is to be no less than 11/8".
- ?? Cantilevers, brackets, plates, and connectors to be metal to metal connections.
- ?? Overhead storage units – nominal width dimensions should be compatible with panel widths. Flipper door to be open inside of box, so top of overhead can be used for additional storage. All doors to be keyed alike per workstation.
- ?? Overhead shelves - nominal width dimensions should be compatible with panel widths. All shelf pans to be metal. All side brackets to be minimum 6" height.
- ?? Task lights - Maximum width to overhead unit, switch to front, plug-in to electrified panels.
- ?? Pedestals - Solid metal construction, full extension ball bearing suspension. All drawers to have safety catch and keyed alike for each workstation
- ?? Pencil drawers - Solid metal construction, full extension ball bearing suspension. All drawers to have safety catch and keyed alike for each workstation
- ?? Keyboard tray - Solid metal construction, full extension in ball bearing ball suspension. Arm to be adjustable in 3 directions – up & down; in & out; tilt & flat.

**Finishes:**

- ?? **Floor:** Multi-colored carpeting with at least 4 color yarns in loop construction to hide wear and staining; action back required. 28 oz weight.
- ?? **Base:** Dark color that matches door frames to hide scuff marks and fingerprints.
- ?? **Door frames:** Dark color to match base
- ?? **Walls:** Painted with a light color that can be easily repainted. This color will be the building standard.
- ?? **Ceiling:** Standard lay-in type acoustic ceiling with perforated texture to hide marks and chips, flat profile.

## ***Functional Requirements - Attachment B***

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### **Special Design Features:**

?? Request guest chair at each station.

### **Field Officer of the Day**

#### **Description:**

?? Controls entry into the building, 24 hour daily.

#### **Anticipate Personnel: 3**

#### **General Specifications:**

- ?? Telephone/data connections at each desk.
- ?? Space will be sized to accommodate the identified function while permitting ease of circulation and ADA requirements.
- ?? Space to be conditioned with heating, cooling, and ventilation.
- ?? Each desk to have one task chair: castered with pneumatic lift, front tilt, and adjustable arm caps.
- ?? All freestanding desks to have 2 pedestals, 1:BBF/1:FF. Desk should support keyboard, monitor, and CPU unit.
- ?? Each designated workstation of any type to have at a minimum 1-2 drawer file cabinet

#### **Finishes:**

- ?? **Floor:** Multi-colored carpeting with at least 4 color yarns in loop construction to hide wear and staining; action back required. 28 oz weight.
- ?? **Toilet Room:** Ceramic Tile
- ?? **Base:** Dark color that matches door frames to hide scuff marks and fingerprints.
- ?? **Door frames:** Dark color to match base
- ?? **Walls:** Vinyl Wallcover Class A Type II
- ?? **Ceiling:** Standard lay-in type acoustic ceiling with perforated texture to hide marks and chips, flat profile.

### **Special Design Features:**

??24 hour facility.

## ***Functional Requirements - Attachment B***

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- ?? Sleeping area and shower area required with acoustic wallcover.
- ?? Bed, nightstand and lockers to be provided in sleeping area.
- ?? Personnel locker storage required.

### **Video Teleconferencing Center (VTC)**

(AM#8)

- ?? Existing VTC equipment at Fort Polk will be moved to this room by the Government. Contractor will coordinate telephone/date and provide electrical requirements for final connection by the Government.

**Description: Facility used in times of Threat Con.**

**Anticipate Personnel: G3/DPTMS will staff as required.**

#### **General Specifications:**

- ?? Conference Table to seat 15 people. Internal pop-ups with power and LAN connects for notebook computers.
- ?? High back leather chairs for conference table. Perimeter seating for 10 personnel with comfortable chairs.
- ?? Dual podiums with microphones, clock, and control screen to facilitate briefing activities.
- ?? Coffee/hospitality area with sink and service area. Under counter refrigerator required to store drinks and perishable food items. Storage cabinets needed to store accessory items.
- ?? Audio/visual equipment to support state of the art computer generated briefings and video presentations. Computers, amplifiers, speakers, microphones, VCRs, DVDs, switch panels, video controllers, UPS, and other peripheral equipment to control presentation configuration and generate appropriate visual and audio presentations. Design options should consider video cube wall as display medium.
- ?? Video teleconferencing capabilities to electronically interface with other organizations at the classified and unclassified levels. Communication circuits, video cameras, VTC bridges, COMSEC equipment, and computer systems to connect via ISDN or FTS 2000 formats
- ?? Operator control room or area to configure equipment, load briefings, set-up VTC connections, and operate A/V software.
- ?? Network connections to access special command management information sources.

***Functional Requirements - Attachment B***

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- ?? Direct TV satellite connection to access C-SPAN and news networks to obtain real time status of critical political and military world events.
- ?? Various lighting configurations to provide the right lighting environment for open sessions, briefings with presentation graphics, video recordings, and VTC sessions.
- ?? Separate HVAC system to maintain comfortable working environment with diffusers to reduce noise.
- ?? Internal and external signage to indicate classification level of the meeting or presentation. Levels include Unclassified, Confidential, Secret, and Top Secret. Signage approach must be in concert with the executive status of the Command Section.

**Finishes:**

- ?? **Floor:** Multi-colored carpeting with at least 4 color yarns in loop construction to hide wear and staining; action back required. 28 oz weight.
- ?? **Base:** Dark color that matches door frames to hide scuff marks and fingerprints.
- ?? **Door frames:** Dark color to match base
- ?? **Walls:** Vinyl wallcover Type II 20oz. Color will be the building standard.
- ?? **Ceiling:** Standard lay-in type acoustic ceiling with perforated texture to hide marks and chips, flat profile.

**Special Design Features:**

- ?? Security sensitive area.
- ?? Must be located to EOC.

***Functional Requirements - Attachment B***

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**Barber Shop**

**Description:** Per government contractor / vendor.

**Finishes:**

?? **Floor:** VCT 70% Field Tile, 15% Accent Color I, 15% Accent Color II

?? **Base:** Dark color that matches door frames to hide scuff marks and fingerprints.

?? **Door frames:** Dark color to match base

?? **Walls:** Painted with a light color that can be easily repainted. This color will be the building standard.

?? **Ceiling:** Standard lay-in type acoustic ceiling with perforated texture to hide marks and chips, flat profile.

**Special Design Features:**

?? Provide plumbing and electrical.

***Functional Requirements - Attachment B***

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**Convenience Store**

**Description:** Per government contractor / vendor.

**Finishes:**

- ?? **Floor:** VCT 70% Field Tile, 15% Accent Color I, 15% Accent Color II
- ?? **Base:** Dark color that matches door frames to hide scuff marks and fingerprints.
- ?? **Door frames:** Dark color to match base
- ?? **Walls:** Painted with a light color that can be easily repainted. This color will be the building standard.
- ?? **Ceiling:** Standard lay-in type acoustic ceiling with perforated texture to hide marks and chips, flat profile.

**Special Design Features:**

- ?? Exterior Door Monitor/Alarms for Security and Control

***Functional Requirements - Attachment B***

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**Weight/Training Room**

**Description:** Per government contractor / vendor.

**Finishes:**

- ?? **Floor:** VCT 70% Field Tile / 15% Accent Color I / 15% Accent Color II
- ?? **Base:** Dark color that matches door frames to hide scuff marks and fingerprints.
- ?? **Door frames:** Dark color to match base
- ?? **Walls:** Painted with a light color that can be easily repainted. This color will be the building standard.
- ?? **Ceiling:** Standard lay-in type acoustic ceiling with perforated texture to hide marks and chips, flat profile.

**Special Design Features:**

- ?? Provide electrical.

## ***Functional Requirements - Attachment B***

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### **Common Conference Rooms**

#### **Description:**

- ?? General meeting facilities for all directorates in the JRTC.
- ?? Facilities are centrally located and understood to be shared by all directorates and visitors.

#### **General Specifications:**

- ?? Conference Table to seat 6 to 10 people depending on room size.
- ?? Conference room chairs to be castered with pneumatic lift, front tilt, and adjustable arm caps.
- ?? Single podium required in each conference room.
- ?? Network connections to access special command management information sources.
- ?? Direct TV satellite connection to access C-SPAN and news networks to obtain real time status of critical political and military world events.
- ?? Telephone data connections in each conference room.
- ?? Space will be sized to accommodate the identified function while permitting ease of circulation and ADA requirements.
- ?? Space to be conditioned with heating, cooling, and ventilation.

#### **Finishes:**

- ?? **Floor:** Multi-colored carpeting with at least 4 color yarns in loop construction to hide wear and staining; action back required. 28 oz weight.
- ?? **Base:** Dark color that matches door frames to hide scuff marks and fingerprints.
- ?? **Door frames:** Dark color to match base
- ?? **Walls:** Vinyl wallcover Type II 20 oz.
- ?? **Ceiling:** Standard lay-in type acoustic ceiling with perforated texture to hide marks and chips, flat profile.

#### **Special Design Features:**

- ?? Non-lockable doors.

***Functional Requirements - Attachment B***

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**Copy Rooms**

**Description:**

**General Specifications:**

- ?? Telephone/data connections at each countertop.
- ?? Space will be sized to accommodate the identified function while permitting ease of circulation and ADA requirements.
- ?? Space to be conditioned with heating, cooling, and ventilation.
- ?? Plastic laminate cabinets upper & lower w/ wire pulls.
- ?? Plastic laminate countertops – self edge w/ 4” back splash.

**Finishes:**

- ?? **Floor:** VCT 70% Field / 15% Accent Color I / 15% Accent Color II
- ?? **Base:** Dark color that matches door frames to hide scuff marks and fingerprints.
- ?? **Door frames:** Dark color to match base
- ?? **Walls:** Painted with a light color that can be easily repainted. This color will be the building standard.
- ?? **Ceiling:** Standard lay-in type acoustic ceiling with perforated texture to hide marks and chips, flat profile.

**Special Design Features:**

- ??Special electrical for machines.

***Functional Requirements - Attachment B***

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**Break Rooms**

**Description:**

**General Specifications:**

- ?? Telephone/data connections at countertop.
- ?? Space will be sized to accommodate the identified function while permitting ease of circulation and ADA requirements.
- ?? Space to be conditioned with heating, cooling, and ventilation.
- ?? Plastic laminate cabinets upper & lower w/ wire pulls.
- ?? Plastic laminate countertops – self-edge w/ 4” back splash.

**Finishes:**

- ?? **Floor:** (AM #8) Porcelain Tile
- ?? **Base:** Dark color that matches door frames to hide scuff marks and fingerprints.
- ?? **Door frames:** Dark color to match base
- ?? **Walls:** Painted with a light color that can be easily repainted. This color will be the building standard.
- ?? **Ceiling:** Standard lay-in type acoustic ceiling with perforated texture to hide marks and chips, flat profile.

**Special Design Features:**

- ??Plumbing for sink.
- ??Special electrical for coffee machines, vending machines.

***Functional Requirements - Attachment B***

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**Main Entrance/Lobby**

**Description:**

**General Specifications:**

- ?? Telephone/data connections at entry.
- ?? Space will be sized to accommodate the identified function while permitting ease of circulation and ADA requirements.
- ?? Space to be conditioned with heating, cooling, and ventilation.

**Finishes:**

- ?? **Floor:** Porcelain Tile
- ?? **Base:** Dark color that matches door frames to hide scuff marks and fingerprints.
- ?? **Door frames:** Dark color to match base
- ?? **Walls:** Painted with a light color that can be easily repainted. This color will be the building standard.
- ?? **Ceiling:** Standard lay-in type acoustic ceiling with perforated texture to hide marks and chips, flat profile.

**Special Design Features:**

- ?? Provide electrical, telephone and data outlets for touchscreen terminals (CPAC) on first and third floors.

***Functional Requirements - Attachment B***

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**Exit Vestibules**

**Description:**

**General Specifications:**

- ?? Telephone/data connections at exit.
- ?? Space will be sized to accommodate the identified function while permitting ease of circulation and ADA requirements.
- ?? Space to be conditioned with heating, cooling, and ventilation.

**Finishes:**

- ?? **Floor:** Porcelain Tile
- ?? **Base:** Dark color that matches door frames to hide scuff marks and fingerprints.
- ?? **Door frames:** Dark color to match base
- ?? **Walls:** Painted with a light color that can be easily repainted. This color will be the building standard.
- ?? **Ceiling:** Standard lay-in type acoustic ceiling with perforated texture to hide marks and chips, flat profile.

**Special Design Features:**

***Functional Requirements - Attachment B***

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**Restrooms**

**Description:**

**General Specifications:**

- ?? Space will be sized to accommodate the identified function while permitting ease of circulation and ADA requirements.
- ?? Space to be conditioned with heating, cooling, and ventilation.

**Finishes:**

- ?? **Floor:** Porcelain Tile
- ?? **Base:** Dark color that matches door frames to hide scuff marks and fingerprints.
- ?? **Door frames:** Dark color to match base
- ?? **Walls:** Porcelain tile on wet walls repainted. This color will be the building standard.
- ?? **Ceiling:** Standard lay-in type acoustic ceiling with perforated texture to hide marks and chips, flat profile.
- ?? **Countertops:**

**Special Design Features:**

***Functional Requirements - Attachment B***

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**Storage Rooms**

**Description:**

**Anticipate Personnel:**

**General Specifications:**

**Finishes:**

- ?? **Floor:** VCT 100% Field Color
- ?? **Base:** Dark color that matches door frames to hide scuff marks and fingerprints.
- ?? **Door frames:** Dark color to match base
- ?? **Walls:** Painted with a light color that can be easily repainted. This color will be the building standard.
- ?? **Ceiling:** Standard lay-in type acoustic ceiling with perforated texture to hide marks and chips, flat profile.

**Special Design Features:**

***Functional Requirements - Attachment B***

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**Communications Closets**

**Description:**

**General Specifications:**

**Finishes:**

- ?? **Floor:** Sealed concrete
- ?? **Base:** Dark color that matches door frames to hide scuff marks and fingerprints.
- ?? **Door frames:** Dark color to match base
- ?? **Walls:** Painted with a light color that can be easily repainted. This color will be the building standard.
- ?? **Ceiling:**

**Special Design Features:**

***Functional Requirements - Attachment B***

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**Janitorial Closets**

**Description:**

**General Specifications:**

**Finishes:**

- ?? **Floor:** Sealed concrete
- ?? **Base:** Dark color that matches door frames to hide scuff marks and fingerprints.
- ?? **Door frames:** Dark color to match base
- ?? **Walls:** Painted with a light color that can be easily repainted. This color will be the building standard.
- ?? **Ceiling:**

**Special Design Features:**

***Functional Requirements - Attachment B***

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**Mechanical Room**

**Description:**

**General Specifications:**

**Finishes:**

- ?? **Floor:** Sealed concrete
- ?? **Base:** Dark color that matches door frames to hide scuff marks and fingerprints.
- ?? **Door frames:** Dark color to match base
- ?? **Walls:** Painted CMU with a light color that can be easily repainted. This\_color will be the building standard.
- ?? **Ceiling:**

**Special Design Features:**

***Functional Requirements - Attachment B***

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**Electrical Rooms**

**Description:**

**General Specifications:**

**Finishes:**

- ?? **Floor:** Sealed concrete
- ?? **Base:** Dark color that matches door frames to hide scuff marks and fingerprints.
- ?? **Door frames:** Dark color to match base
- ?? **Walls:** Painted with a light color that can be easily repainted. This color will be the building standard.
- ?? **Ceiling:**

**Special Design Features:**