

INDIVIDUAL SPACE CRITERIA SHEETS
FOR THE
MPA FLIGHT TRAINING SYSTEMS BUILDING
AT
US COAST GUARD AVIATION TRAINING CENTER
(ATC)
MOBILE, ALABAMA

PROJECT NO: 76-L03003

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UNITED STATES COAST GUARD
FACILITIES DESIGN & CONSTRUCTION CENTER ATLANTIC
(FDCCLANT)

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Note: Directional references on the criteria sheets, such as “north wall” refer to the RFP drawing plan. Plan north is the top of the drawing sheet. A north arrow on that drawing delineates the plan north and true or compass north.

Space Criteria Analysis Data Sheet

Room# and Space Name: RM 100 – SE Vestibule

Allocated Space: 79 NSF

1. Space function / user activity:

- Space will function as the main entrance to the building.

2. Number of occupants:

- Normal – Unoccupied
- Max – 2 to 6 persons

3. Furniture: (GFGI)

- None

4. CFCI Built-In Specialties (tack boards / presentation boards / shelving, etc.):

- None

5. GFGI Equipment (fixed and movable – CFCI utility requirements):

- None

6. Finishes (function, durability and maintenance issues):

- Floor: Porcelain ceramic tile, 12” by 12”.
- Base: Porcelain ceramic tile.
- Walls:
 - Plan north – Gypsum board, painted.
 - Plan east – Aluminum storefront system and doors with Gypsum board flanking walls, painted.
 - Plan west – Aluminum storefront system and doors.
 - Plan south – Gypsum board, painted.
- Ceiling: Suspended acoustical ceiling tile system or suspended gypsum board (painted) system at 9’ high.

RM 100 – SE Vestibule, continued

7. Doors:

- Provide one set of exterior thermal break double-doors opening from the Vestibule to the exterior and one set of interior thermal break double-doors opening from Lobby into the vestibule. Double-doors shall consist of minimum 3' wide by 7' high full-glazed, medium stile and rail door leaves with horizontal center rail. Provide hurricane-resistant glazing in exterior set and tempered, safety glazing in interior doors. The exterior door set shall be in a frame with transom light to match and by the same manufacturer of the interior storefront framing – See Windows. Hardware should include full weather-stripping and hardware meeting the requirements of NFPA 101 for exit doors. Door must be lockable.

8. Windows:

- Aluminum – Framed Thermal Storefront sidelights and transom light. Provide hurricane-resistant glazing in the transom of the exterior frame and safety glazing in sidelights of interior frame.

9. Sound Attenuation Treatment including STC Rating requirements:

- Provide 3-1/2" fiberglass or sound attenuation batt insulation in stud cavities between the vestibule and adjacent rooms.

10. Physical Security (Classification, IDS, CCTV, etc):

- None

11. Mechanical (HVAC):

- Provide HVAC per 01158.

12. Plumbing:

- None.

13. Electrical (power/lighting):

- Provide lighting per Specifications Section 01158.
- Provide one duplex receptacle outlet for general purpose use.

14. Communications:

- None

Space Criteria Analysis Data Sheet

Room# and Space Name: RM 101 – SE Lobby

Allocated Space: 129 NSF

1. Space function / user activity:

- Space will function as an entry lobby area for visitors and building occupants.

2. Number of occupants:

Normal – Unoccupied
Max – 1 to 6 persons

3. Furniture: (GFGI)

- None

4. CFCI Built-In Specialties (tack boards / presentation boards / shelving, etc.):

- **DS** – Directory Sign on plan west wall (see Specification 01158).
- **LB** - Enclosed Letter Board, 48” wide by 36” high on plan north wall (see Specification 01158).

5. GFGI Equipment (fixed and movable – CFCI utility requirements):

- None.

6. Finishes (function, durability and maintenance issues):

- Floor: Fluid-Applied Flooring.
- Base: 4” high Fluid-Applied covered base integral with flooring.
- Walls:
 - Plan north –Gypsum board painted and opens to Corridor.
 - Plan east – Storefront entry framing and Gypsum Board, painted.
 - Plan west – Gypsum board, painted.
 - Plan south – Gypsum board painted and opens to Corridor and Waiting Area.
- Ceiling: Suspended acoustical ceiling tile system at 9’ high.

7. Doors:

- None: See adjacent spaces for door requirements.

8. Windows:

- None.

RM 101 – SE Lobby, continued

9. Sound Attenuation:

- Provide 3-1/2" fiberglass or sound attenuation batt insulation in stud cavities between the Lobby and adjacent rooms.

10. Physical Security:

- None.

11. Mechanical (HVAC):

- Provide HVAC per 01158

12. Plumbing:

- None

13. Electrical (power/lighting):

- Provide lighting per Specifications Section 01158.
- Provide receptacle outlets per Specifications Section 01158 requirement for corridors.

14. Communications:

- None

15. Other:

Space Criteria Analysis Data Sheet

Room# and Space Name: RM 102 – Main Corridor

Allocated Space: 993 NSF

1. Space function / user activity:

- Space will function as the main circulation corridor (includes all corridor segments shown). Note required widths of corridors dimensioned on RFP floor plan.

2. Number of occupants:

- Normal – Unoccupied
- Max – Typical space to space traffic of up to 6 persons with up to 60 persons temporarily waiting for access to Training Classrooms.

3. Furniture: (GFGI)

- None

4. CFCI Built-In Specialties (tack boards / presentation boards / shelving, etc.):

- **EWC** – Electric Water Cooler (See Plumbing below).

5. GFGI Equipment (fixed and movable – CFCI utility requirements):

- None

6. Finishes (function, durability and maintenance issues):

- Floor: Fluid-Applied Flooring.
- Base: Fluid-Applied covered base integral with flooring.
- Walls: Gypsum board, painted
- Ceiling: Suspended acoustical ceiling tile system at 9' high.

7. Doors:

- Corridor door in corridor segment adjacent to Copy Room 123:
 - Size and Type: 3'-0" wide by 7'-0", aluminum, full-glazing in storefront frame system with sidelights.
 - Lockset: Pulls
 - Closer: Provide closer with stop and hold open feature.
- See individual Space Criteria Sheets for other doors from or to adjacent spaces.

RM 102 – Main Corridor, continued

8. Windows:

- Provide a 6' wide by 4' high interior window in northeast corridor in wall between the main corridor and the Flight Simulation Chamber, Room 129. Frame may be hollow metal or storefront system with clear glazing conforming to building code requirements.

9. Sound Attenuation Treatment including STC Rating requirements:

- Provide 3-1/2" fiberglass or sound attenuation batt insulation in stud cavities between the corridor and adjacent rooms.

10. Physical Security (Classification, IDS, CCTV, etc):

- Space Classification – Unclassified

11. Mechanical (HVAC):

- Provide HVAC per Specification 01158.

12. Plumbing:

- **EWC** - Electric Water Cooler: shall be stainless steel, and handicapped compliant – see Plumbing section of Specification 01158.

13. Electrical (power/lighting):

- Provide receptacle outlets per Specification Section 01158.
- Provide lighting per Specification Section 01158.

14. Communications:

- None.

Space Criteria Analysis Data Sheet

Room# and Space Name: RM 103 – Training Waiting Area

1. Space function / user activity:

- Space will function as a break area for students in between classes or waiting for classes to commence and a lobby/waiting area for visitors.

2. Number of occupants:

Normal – Unoccupied
Max – 7 persons

3. Furniture: (GFGI)

- One (1) 3-position sofa
- Four (4) lounge chairs
- Three (3) end tables with or without table lamps

4. CFCI Built-In Specialties (tack boards / presentation boards / shelving, etc.):

- **MB** – Mini blind window treatment

5. GFGI Equipment (fixed and movable – CFCI utility requirements):

- None.

6. Finishes (function, durability and maintenance issues):

- Floor: Carpet tile (provide transition strip between carpet and adjacent floor finish).
- Base: Resilient Base with pre-formed corners or carpet base.
- Walls:
 - Plan north – Gypsum board painted and opens to Lobby.
 - Plan east – Gypsum board, painted.
 - Plan west – None, open to Main Corridor.
 - Plan south – Gypsum board, painted.
- Ceiling: Suspended acoustical ceiling tile system at 9' high.

7. Doors:

- None: See adjacent spaces for door requirements.

RM 103 – Training Waiting Area, continued

8. Windows:

- Provide a single or double-hung window with solid surface sill.

9. Sound Attenuation:

- Provide 3-1/2" fiberglass or sound attenuation batt insulation in stud cavities between the Waiting Area and adjacent rooms.

10. Physical Security:

- None.

11. Mechanical (HVAC):

- Provide HVAC per Specification Section 01158.

12. Plumbing:

- None

13. Electrical (power/lighting):

- Provide lighting per Specifications Section 01158.
- Provide general purpose duplex receptacle outlets so that no point in any wall space is more than 6 feet from a receptacle.

14. Communications:

- Provide one outlet on both north and south walls.

15. Other:

Space Criteria Analysis Data Sheet

Room# and Space Name: RM 104 – Conference/Classroom

Allocated Space: 649 NSF

1. Space function / user activity:

Space will function as a conference room and as one of the class rooms for the facility.

2. Number of occupants:

Normal – Unoccupied
Max – Up to 22 persons

3. Furniture: (GFGI)

- 33" x 60" training tables (11)
- Ergonomic task Chairs (22)

4. CFCI Built-In Specialties (tack boards / presentation boards / shelving, etc.):

- **CR** – Chair Rail – Provide a chair rail all around the room for the protection of the wall surface. Chair rail may be wood, stained or painted, or a vinyl product specifically made for this type of application.
- **IPD** – Interactive Pen Display SMPODIUM DT770 – See Specification 01158.
- **IWB** – Interactive White Board SMART Board Model 680 – See Specification 01158.
- **MB** – Mini blind window treatments.
- **OPM** - Overhead projector mount and projector – See Specification 01158.
- **PDM** - Podium – provide an AV lectern or multimedia podium capable of housing the CPU and related AV equipment – See Specification 01158.

5. GFGI Equipment (fixed and movable – CFCI utility requirements):

- CPU (to be located in podium)

6. Finishes (function, durability and maintenance issues):

- Floor: Carpet tile.
- Base: Resilient base (with pre-formed corners) or carpet. Provide transition strip between dissimilar floor finishes.
- Walls:
 - All walls - Gypsum board, painted.
- Ceiling: Suspended acoustical ceiling tile system at 10' high.

RM 104 – Conference/Classroom, continued

7. Doors:

- Opening into the Corridor:
 - Size and Type: 3'-0" wide x 7'-0" high; wood with min. 3" by 2'-6" narrow door light.
 - Lock – Classroom (F84) lockset
- Opening to the Exterior.
 - Size and Type: 3'-0" wide x 7'-0" high, out swinging, fiberglass door and frame with manufacturer's weather stripping, threshold and recommended hardware.
 - Lockset – Exit only, Function 10 (No outside operation) Rim exit device.
 - Closer – Provide closer with built-in stop and hold-open feature.

8. Windows:

- Provide single or double hung windows with solid surface window sills.

9. Sound Attenuation Treatment including STC Rating requirements:

- Provide 3-1/2" fiberglass or sound attenuation batt insulation in stud cavities between the Waiting Area and adjacent rooms.

10. Physical Security (Classification, IDS, CCTV, etc):

- None.

11. Mechanical (HVAC):

- Provide HVAC per Specifications Section 01158

12. Electrical (power/lighting):

- Provide Lighting per Specifications Section 01158. Lighting shall be independently dimmable by at least three zones corresponding to the front, center and rear of the room. Provide interconnection with the IPD equipment so that lighting can be controlled from the IPD.
- Provide a wall mounted quad receptacle at each table location. Provide one duplex outlet for every 12 feet of wall space measured at the floor line in other locations.
- Provide a flush floor mounted quad receptacle at the podium location.

13. Communications:

- Provide a wall mounted outlet at each table location as indicated on the RFP drawings.
- Provide a flush floor mounted outlet at the podium location.
- Provide an outlet on the east and west walls.

RM 104 – Conference/Classroom, continued

14. Other:

- Provide a flush mounted wall box at the podium location with a cover plate with both VGA and speaker wiring plug connectors. Provide conduit with VGA cable from the wall box to second box with a cover plate with a VGA connector located above the suspended ceiling at the overhead projector location and provide conduit with speaker wiring from the box to overhead PC system speakers.

Space Criteria Analysis Data Sheet

Room# and Space Name: RM 105 - Maintenance Shop & Parts Storage

Allocated Space: 1,219 NSF

1. Space function / user activity:

Space will function as the location for providing maintenance and repair of flight simulator training systems equipment.

2. Number of occupants:

Normal – 2 persons
Max – 6 persons

3. Furniture: (GFGI)

- Computer workstations (2)
- ESD Workbenches, pre-wired with electrical outlets (2)
- Stools and chairs
- Stanley-Vidmar type storage cabinets.
- File cabinets
- Open storage shelving

4. CFCI Built-In Specialties (tack boards / presentation boards / shelving, etc.):

- **MB** – Mini blind window treatment
- **SES** – Soldering Exhaust System (See Mechanical below)
- **WB** – White board or marker board, size 72” by 48” with full-length accessory tray.

5. GFGI Equipment (fixed and movable – CFCI utility requirements):

- None.

6. Finishes (function, durability and maintenance issues):

- Floor: Fluid-Applied flooring.
- Base: 4” high Fluid-Applied covered base integral with flooring.
- Walls:
 - North, East and South: Gypsum board, painted.
 - West – Concrete masonry units, painted.
- Ceiling: Suspended acoustical tile ceiling system at 10’ high.

7. Doors:

- Opening from Corridor:
 - Size and Type: 3’-0” wide x 7’-0” high, wood with min. 3” by 2’-6” narrow door light
 - Lockset: Classroom (F84) function or Corridor (F90) function.

RM 105 - Maintenance Shop & Parts Storage, continued

7. Doors, continued

- Opening from Control Room:
 - Size and Type: Double-door, 6'-0" wide x 7'-0" high, wood with a minimum 3" wide by 30" narrow door light in the active leaf.
 - Lockset: Classroom (F84) function or Corridor (F90) function. Note: provide hardware enabling the active door leaf to be used for day-to-day passage while the inactive leaf remains closed until opened.
- Opening to Exterior:
 - Size and Type – 6'-0" wide x 9'-0" high (two 3' wide leaves), out swinging, fiberglass door and frame with manufacture's weather stripping, threshold, astragal and recommended hardware. NOTE SIZE OF DOOR.
 - Lockset – Push bar type exit device with outside lever on active leaf and fixed lever on inactive leaf, Function 13 (key locks or unlocks lever).
 - Closer – provide closer with built-in stop and hold-open feature.

8. Windows:

- Provide a single or double hung window with solid surface sill.

9. Sound Attenuation Treatment including STC Rating requirements:

- Provide 3-1/2" fiberglass or sound attenuation batt insulation in stud cavities between this room and adjacent rooms except at CMU wall.

10. Physical Security (Classification, IDS, CCTV, etc):

- None.

11. Mechanical (HVAC):

- Provide HVAC per Specifications Section 01158.
- Provide soldering exhaust per Specifications Section 01158.

12. Plumbing:

- None

13. Electrical (power/lighting):

- Provide Lighting per Specifications Section 01158.
- Provide Receptacle Outlets per Specifications Section 01158.
- Provide ground bus above the work benches for the full length of workbenches.
- Provide red mushroom head emergency shut off pushbuttons near doors to shut off all power to workbenches.

- Provide power connections for workbenches.

RM 105 - Maintenance Shop & Parts Storage – continued

14. Communications:

- Provide four equidistantly spaced outlets on the north wall. Provide three outlets on the south wall in the area before the location of the parts storage bins as indicated on the RFP drawings.

Space Criteria Analysis Data Sheet

Room# and Space Name: RM 106 –Secure Storage

Allocated Space: 132 NSF

1. Space function / user activity:

Space will function as a secure storage space for simulator parts. The space will be constructed for future conversion to an office space.

2. Number of occupants:

Normal – Unoccupied.
Max – 3 persons.

3. Furniture: (GFGI)

- Storage shelving and cabinets.

4. CFCI Built-In Specialties (tack boards / presentation boards / shelving, etc.):

- **MB** – Mini blind window treatments.

5. GFGI Equipment (fixed and movable – CFCI utility requirements):

- None.

6. Finishes (function, durability and maintenance issues):

- Floor: Fluid-Applied flooring.
- Base: Resilient with pre-formed corners.
- Walls:
 - All walls - Gypsum board, painted.
- Ceiling: Suspended acoustical ceiling tile system 9' high.

7. Doors:

- Opening from Parts Maintenance:
 - Size and Style: 3'-0" wide x 7'-0" high; wood with min. 3" by 2-6" narrow door lite.
 - Lockset: Office (F82) function.

8. Windows:

- Provide a single or double hung window with solid surface sill.

RM 106 –Secure Storage, continued

9. Sound Attenuation Treatment including STC Rating requirements:

- Provide 3-1/2" fiberglass or sound attenuation batt insulation in stud cavities between this room and adjacent rooms.

10. Physical Security (Classification, IDS, CCTV, etc):

- None.

11. Mechanical (HVAC):

- Provide HVAC per 01158

12. Plumbing:

- None.

13. Electrical (power/lighting):

- Provide Lighting per Specifications Section 01158 for office spaces.
- Provide Receptacle Outlets per Specifications Section 01158 for office spaces.

14. Communications:

- Provide one outlet on each non-door wall.

Space Criteria Analysis Data Sheet

Room# and Space Name: RM 107 – Mechanical Equipment Room

Allocated Space: 191 NSF

1. Space function / user activity:

- Space will function as the main mechanical equipment room. Note: Size of space may vary depending on equipment requirements determined during design.

2. Number of occupants:

Normal – Unoccupied.
Max – 2 persons.

3. Furniture: (GFGI)

- None.

4. CFCI Built-In Specialties (tack boards / presentation boards / shelving, etc.):

- None.

5. GFGI Equipment (fixed and movable – CFCI utility requirements):

- None.

6. Finishes (function, durability and maintenance issues):

- Floor: Sealed concrete or Fluid-Applied flooring. Provide a transition strip between dissimilar floor finishes.
- Base: Resilient with pre-formed corners.
- Walls:
 - All walls – Gypsum board, painted
- Ceiling: No suspended ceiling required, exposed overhead structure, painted

7. Doors:

- Opening into corridor:
 - Size and Style: Double door, 6'-0" wide x 7'-0" high; wood
 - Lockset: Storeroom (F86) function.

8. Windows:

- None.

RM 107 – Mechanical Equipment Room, continued

9. Sound Attenuation Treatment including STC Rating requirements:

- Provide 3-1/2" fiberglass or sound attenuation batt insulation in stud cavities between this room and adjacent rooms.

10. Physical Security (Classification, IDS, CCTV, etc):

- None.

11. Mechanical (HVAC):

- Heating and ventilation per specifications Section 01158.

12. Plumbing:

- Floor drain with self priming, deep seal trap.
- Plumbing connections as required by mechanical equipment design.

13. Electrical (power/lighting):

- Provide Lighting per Specifications Section 01158.
- Provide Receptacle Outlets per Specifications Section 01158.

14. Communications:

- None.

Space Criteria Analysis Data Sheet

Room# and Space Name: RM 108 –Break Room

Allocated Space: 233 NSF

1. Space function / user activity:

Space will function as the break room for the entire facility.

2. Number of occupants:

Normal – Unoccupied
Maximum – 8 persons.

3. Furniture: (GFGI)

- Stools (6).
- Waste receptacles (1).
- Vending machines – provided by vendor (2).

4. CFCI Built-In Specialties (tack boards / presentation boards / shelving, etc.):

- **CM** – Coffee maker - Two-warmer, in-line, automatic coffee brewer with hot water faucet. Bloomfield Model 8540 or equal. Provide three glass decanters (two with black handles and one with green or orange handle) with the brewer.
- **CW-1** – Casework Item 1 – Kitchenette: See RFP drawings for plan configuration, elevation and detail.
- **CW-2** – Casework Item 2 - Eat-At-Counter: See RFP drawings for plan configuration, elevations and detail. Allow approximately 7' clearance at end of counter for vending machines (N.I.C. – to be furnished by vendors).
- **MO** – Microwave Oven – 1.1 Cu. Ft. capacity, 1,100 wattage, counter top type with turntable and electronic touch controls, stainless steel finish. Appliance shall have features equivalent to GE Model JES1142SJ. Note: microwave must be able to fit on microware cabinet shelf installed above the countertop.
- **REF** – Refrigerator / Freezer, side-by-side, approximately 22.0 Cu. Ft. with in-door water and ice dispenser, stainless steel finish. Appliance shall have features equivalent to GE Model GSH22JSXSS.
- **S** – Sink – See “Plumbing” below.
- **TVWM** – TV and Wall Mount – Provide a minimum 32” HDTV flat screen television and tilting wall mount where indicated.

5. GFGI Equipment (fixed and movable – CFCI utility requirements):

- None.

RM 108 –Break Room, continued

6. Finishes (function, durability and maintenance issues):

- Floor: Porcelain ceramic tile, 6" by 6" shown on RFP drawings.
- Base: Porcelain ceramic tile.
- Walls:
 - All walls –Gypsum board, painted.
- Ceiling: Suspended acoustical ceiling tile system at 9' high.

7. Doors:

- Opening from Main Corridor:
 - Size and Type: 3'-0" wide x 7'-0" high; wood with minimum 3" by 30" narrow door light.
 - Lockset – None required. Provide door pull and push plate.
 - Provide kick plate at door bottom.
 - Provide auxiliary hardware lever type door holder so that door can be retained an open position.

8. Windows:

- Provide single or double-hung window with solid surface sill.

9. Sound Attenuation Treatment including STC Rating requirements:

- Provide 3-1/2" fiberglass or sound attenuation batt insulation in stud cavities between this room and adjacent rooms.

10. Physical Security (Classification, IDS, CCTV, etc):

- None.

11. Mechanical (HVAC):

- Provide HVAC per Specification Section 01158.

12. Plumbing:

- Sink: 25" long x 22" wide x 8" deep, 18 gauge stainless steel sink.
- Water connection for refrigerator icemaker and coffee brewer listed above.

13. Electrical (power/lighting):

- Provide Lighting per Specifications Section 01158.
- Provide Receptacle Outlets per Specifications Section 01158 for break rooms.
- Provide power outlet at wall mounted flat screen TV location.

RM 108 –Break Room, continued

14. Communications:

- Provide single outlet for wall phone.
- Provide Cable Television outlet at wall mounted flat screen TV location.

Space Criteria Analysis Data Sheet

Room# and Space Name: RM 109 – Electrical Room

Allocated Space: 93 NSF shown (Note: Size of room may vary and be determined by electrical equipment design requirements)

1. Space function / user activity:

Space will function as the electrical equipment room for the building.

2. Number of occupants:

Normal – Unoccupied.
Maximum – 2 Persons.

3. Furniture: (GFGI)

- None.

4. CFCI Built-In Specialties (tack boards / presentation boards / shelving, etc.):

- None

5. GFGI Equipment (fixed and movable – CFCI utility requirements):

- None.

6. Finishes (function, durability and maintenance issues):

- Floor: Vinyl composition tile or Fluid-Applied flooring.
- Base: Resilient with pre-formed corners or Fluid-Applied flooring to match corridor. Provide a transition strip between dissimilar floor finishes.
- Walls:
 - All walls – Gypsum board, painted.
- Ceiling: May be exposed overhead structure, painted or may be suspended acoustical tile ceiling tile system at approximately 9' to 10' high.

7. Doors:

- Opening from Main Corridor:
 - Size and Type: 3'-0" wide x 7'-0" high; wood.
 - Lockset: Storeroom (F86) function.

8. Windows:

- None.

RM 109 – Electrical Room, continued

9. Sound Attenuation Treatment including STC Rating requirements:

- Provide 3-1/2" fiberglass or sound attenuation batt insulation in stud cavities between this space and adjacent rooms.

10. Physical Security (Classification, IDS, CCTV, etc):

- None.

11. Mechanical (HVAC):

- Ventilation and heating per Specification Section 01158.

12. Plumbing:

- None.

13. Electrical (power/lighting):

- Provide Lighting per Specifications Section 01158.
- Provide Receptacle Outlets per Specifications Section 01158.

14. Communications:

- None.

Space Criteria Analysis Data Sheet

Room# and Space Name: RM 110 – Men’s Toilet Room

Allocated Space: 234 NSF

1. Space function / user activity:

Space will function as the men’s toilet for the building.

2. Number of occupants:

Normal – Unoccupied
Maximum – Up to 6 persons.

3. Furniture: (GFGI)

- None.

4. CFCI Built-In Specialties (tack boards / presentation boards / shelving, etc.):

- Toilet Accessories – Provide typical toilet accessories including a paper towel dispenser and removable waste receptacle of stainless steel construction (separate or combined); liquid soap dispenser, stainless steel shelf with double-roll toilet paper holder in each stall; grab bars in accessible stall, and full-width, minimum 30” high, stainless steel framed mirror above vanity.
- Toilet Partitions and Urinal Screen: Use Solid Surface material, Phenolic-solid core with decorative laminate on all side faces, High Density Polymer, Fiberglass Reinforced Plastic or Stainless steel types. Provide stainless steel hardware including garment hook on the inside of each compartment door. Toilet partitions shall be floor anchored/overhead braced type. Urinal screen shall be floor braced type or braced wall-hung type.
- Vanity Lavatory– Solid surface material approximately 66” wide by 22” deep. May have drop-in, undercounter-mount or integral lavatory basins - See “Plumbing” below.

5. GFGI Equipment (fixed and movable – CFCI utility requirements):

- None.

6. Finishes (function, durability and maintenance issues):

- Floor:
 - Porcelain ceramic tile (6” by 6” shown on RFP drawing but can be 2” by 2” ceramic mosaic). Provide marble threshold at juncture of tile and fluid-applied flooring at entry door.
 - Slope floor to floor drain at 1/8” per foot. Note: Recessed slab required.
- Base: Porcelain ceramic tile.

RM 110 – Men’s Toilet Room, continued

6. Wall finishes, continued

- Walls:
 - All walls - Water-resistant and silicone-treated core tile-backer gypsum panels (Dens-Shield). Walls behind vanity lavatory and wall behind water closets and urinals shall receive a full-height glazed tile or matching porcelain ceramic tile wall finish. Other walls in the toilet shall be finished with epoxy painted finish or a combination ceramic tile wainscot with upper wall epoxy painted finish.
 - Note 1: “full-height” should be interpreted to mean the entire wall area from top of base tile to underside of ceiling behind the plumbing fixtures.
- Ceiling: Suspended acoustical ceiling tile system with tile panels specifically rated for this application or suspended gypsum board specifically rated for this application. Gypsum board finishes shall be painted. Ceiling height: 9’

7. Doors:

- Opening from the Main Corridor:
- Size and Type: 3’-0” wide x 7’-0” high; wood
- Lockset– No lock function required, provide pull handle and push plate
- Provide kickplate at door bottom.

8. Windows:

- One single or double-hung window with solid surface window stool. Note: glaze window panels with frosted or opaque glass.

9. Sound Attenuation Treatment including STC Rating requirements:

- Provide 3-1/2” fiberglass or sound attenuation batt insulation in stud cavities between this room and adjacent rooms except wing walls at vanity do not require treatment.

10. Physical Security (Classification, IDS, CCTV, etc):

- None.

11. Mechanical (HVAC):

- Heating and ventilation with indirect cooling per 01158.
- Ventilation on continuously when occupied.
- Room under a slight negative pressure.

12. Plumbing:

- Vitreous china surface-mounted, drop-in type, under counter-mounted type or integral of solid surface material type lavatory basins per Specifications Section 01158.

- Vitreous china water closet with seat per Specifications Section 01158.

RM 110 – Men's Toilet Room, continued

12. Plumbing, continued

- Vitreous china urinals per Specifications Section 01158.
- Provide floor drain per Specifications Section 01158.

13. Electrical (power/lighting):

- Provide Lighting per Specifications Section 01158.
- Provide Receptacle Outlets per Specifications Section 01158.

14. Communications:

- None.

15. Other:

- Note: Depress floor slab to allow floor finish installation to be sloped to floor drain.

Space Criteria Analysis Data Sheet

Room# and Space Name: RM 111 – Janitor’s Closet

Allocated Space: 24 NSF

1. Space function / user activity:

Space functions as the janitor’s closet.

2. Number of occupants:

Normal – Unoccupied
Maximum – 1 person.

3. Furniture: (GFGI)

- Storage or cabinet.

4. CFCI Built-In Specialties (tack boards / presentation boards / shelving, etc.):

- **FS** - Floor sink or mop service basin – See “Plumbing” below. .

5. GFGI Equipment (fixed and movable – CFCI utility requirements):

- None.

6. Finishes (function, durability and maintenance issues):

- Floor: Fluid-applied flooring or porcelain ceramic tile to match that in toilets.
- Base: 4” high Fluid-Applied flooring covered base integral with flooring or porcelain ceramic tile to match that in toilets.
- Walls:
 - All walls – Gypsum board, painted.
- Wainscot: Provide the sink manufacturer’s wall guards (approximately 12” high) or a water proof wainscot at floor sink area, approximately 4’ high of ceramic tile, solid surface material or other approved material.
- Ceiling: Suspended acoustical ceiling tile system or suspended gypsum board system at 8’ high.

7. Doors:

- Opening to Main Corridor
 - Size and Type: 3’-0” wide x 7’-0” high; wood
 - Lockset: Storeroom or closet lockset function.

RM 111 – Janitor’s Closet, continued

8. Windows:

- None.

9. Sound Attenuation Treatment including STC Rating requirements:

- Provide 3-1/2” fiberglass or sound attenuation batt insulation in stud cavities between this room and adjacent rooms.

10. Physical Security (Classification, IDS, CCTV, etc):

- None.

11. Mechanical (HVAC):

- Provide exhaust with louvered/undercut door.

12. Plumbing:

- Floor Sink or Mop Service Basin, 24 x 36 x 10” high, one-piece molded. Provide wall supported and braced faucet with vacuum breaker, double stops and bucket hook with 5/8” hose and hose holder, 24” wall-mounted mop hanger strip with three clasps, steel rim guard for sink edge and manufacturer’s wall guards (approximately 12” high) if ceramic tile wainscot is not provided. Provide water and drainage.

13. Electrical (power/lighting):

- Provide Lighting per Specifications Section 01158.
- Provide Receptacle Outlets per Specifications Section 01158.

14. Communications:

- None.

Space Criteria Analysis Data Sheet

Room# and Space Name: RM 112 – Women's Toilet Room

Allocated Space: 156 NSF

1. Space function / user activity:

Space will function as the women's toilet for the building.

2. Number of occupants:

Normal – Unoccupied
Maximum – Up to 4 persons.

3. Furniture: (GFGI)

- None.

4. CFCI Built-In Specialties (tack boards / presentation boards / shelving, etc.):

- Toilet Accessories – Provide typical toilet accessories including a paper towel dispenser and removable waste receptacle of stainless steel construction (separate or combined); liquid soap dispenser, stainless steel shelf with double-roll toilet paper holder in each stall; grab bars in accessible stall, and full-width, minimum 30" high, stainless steel framed mirror above vanity.
- Toilet Partitions: Use Solid Surface material, Phenolic-solid core with decorative laminate on all side faces, High Density Polymer, Fiberglass Reinforced Plastic or Stainless steel types. Provide stainless steel hardware including garment hook on the inside of each compartment door. Toilet partitions shall be floor anchored/overhead braced type.
- Vanity Lavatory– Solid surface material approximately 66" wide by 22" deep. May have drop-in, undercounter-mount or integral lavatory basins - See "Plumbing" below.

5. GFGI Equipment (fixed and movable – CFCI utility requirements):

- None.

6. Finishes (function, durability and maintenance issues):

- Floor:
 - Porcelain ceramic tile (6" by 6" shown on RFP drawing but can be 2" by 2"). Provide marble threshold at juncture of tile and fluid-applied flooring at entry door.
 - Slope floor to floor drain at 1/8" per foot. Note: Recessed slab required.
- Base: Porcelain ceramic tile.
- Walls:
 - All walls - Water-resistant and silicone-treated core tile-backer gypsum panels (Dens-Shield). Walls behind vanity lavatory and wall behind water closets shall receive a full-height glazed tile or matching porcelain ceramic tile wall finish. Other

RM 112 – Women’s Toilet, continued

6. Finishes – Walls, continued

walls in the toilet shall be finished with epoxy painted finish or a combination ceramic tile wainscot with upper wall epoxy painted finish.

- Note 1: “full-height” should be interpreted to mean the entire wall area from top of base tile to underside of ceiling behind the plumbing fixtures.
- Ceiling: Suspended acoustical ceiling tile system with tile panels specifically rated for this application or suspended gypsum board specifically rated for this application. Gypsum board finishes shall be painted. Ceiling height: 9’

7. Doors:

- Opening from the Main Corridor:
- Size and Type: 3’-0” wide x 7’-0” high; wood
- Lockset– No lock function required, provide pull handle and push plate
- Provide kickplate at door bottom.

8. Windows:

- One single or double-hung window with solid surface window stool. Note: glaze window panels with frosted or opaque glass.

9. Sound Attenuation Treatment including STC Rating requirements:

- Provide 3-1/2” fiberglass or sound attenuation batt insulation in stud cavities between this room and adjacent rooms.

10. Physical Security (Classification, IDS, CCTV, etc):

- None.

11. Mechanical (HVAC):

- Heating and ventilation with indirect cooling per 01158.
- Ventilation on continuously when occupied.
- Room under a slight negative pressure.

12. Plumbing:

- Vitreous china surface-mounted, drop-in type, under counter-mounted type or integral of solid surface material type lavatory basins per Specifications Section 01158.
- Vitreous china water closet with seat per Specifications Section 01158.
- Vitreous china urinals per Specifications Section 01158.
- Provide floor drain per Specifications Section 01158.

RM 112 – Women’s Toilet, continued

13. Electrical (power/lighting):

- Provide Lighting per Specifications Section 01158.
- Provide Receptacle Outlets per Specifications Section 01158.

14. Communications:

- None.

15. Other:

- Note: Depress floor slab to allow floor finish installation to be sloped to floor drain.

Space Criteria Analysis Data Sheet

Room# and Space Name: RM 113 – Cockpit / Navigational Training

Allocated Space: 511 NSF

1. Space function / user activity:

Space will contain the navigational and cockpit training modules and equipment.

2. Number of occupants:

Normal – 5 persons.

Max – 7 persons.

3. Furniture: (GFGI)

- Ergonomic task chairs (6).
- 48” by 24” Computer desk.

4. CFCI Built-In Specialties (tack boards / presentation boards / shelving, etc.):

- **AF** - Access Flooring – See “Finishes” below.
- **MB** – Mini blind window treatment.
- **WB** – White board or marker board, size 72” by 48” with full-length accessory tray.

5. GFGI Equipment (fixed and movable – CFCI utility requirements):

- Cockpit trainer (approx. 13’L x 12’ D’)
- Curved projection screen
- Computer cabinets (4) (approx 10’ L x 3’-6” D total space)

6. Finishes (function, durability and maintenance issues):

- Floor: Access flooring, 18” high with manufacturer’s static dissipative high-pressure laminate panel finish. Install access floor over a recessed slab so that top of access flooring is at same level as building floor. No steps or ramps. Important Note: The raised access floor installation requires the floor slab to be depressed 18” in this space area.
- Base: Resilient with pre-molded corners.
- Walls:
 - All walls – Gypsum board, painted.
- Ceiling: Suspended acoustical ceiling tile system at minimum 9’ – 6” high.

RM 113 – Cockpit / Navigational Training, continued

7. Doors:

- Opening from main corridor:
 - Size and Type: Double-doors, 6'-0" wide x 7'-0" high; wood with minimum 3" by 30" narrow door light on active door leaf.
 - Lockset: Classroom (F84) function.
 - Provide hardware that allows the inactive door leaf to remain closed when the active leaf is operated but than can be opened when required. Doors should be hinged to allow maximum opening for periodic transfer of training equipment.

8. Windows:

- Provide single or double-hung windows with solid surface sills.

9. Sound Attenuation Treatment including STC Rating requirements:

- Provide 3-1/2" fiberglass or sound attenuation batt insulation in stud cavities between this room and adjacent rooms.

10. Physical Security (Classification, IDS, CCTV, etc):

- None.

11. Mechanical (HVAC):

- Provide HVAC per 01158. With large heat dissipation may want to consider computer room a/c unit(s)

12. Plumbing:

- None.

13. Electrical (power/lighting):

- Provide Lighting per Specifications Section 01158.
- Provide Receptacle Outlets per Specifications Section 01158.
- Provide electrical service per Specifications Section 01158.

14. Communications:

- Provide two outlets on each non-door wall and one outlet on the door wall.

Space Criteria Analysis Data Sheet

Room# and Space Name: RM 114 –Supplies Closet

Allocated Space: 72 NSF shown (Note: Space size may increase or decrease depending on requirements of adjacent Electrical Equipment Room and Mechanical Equipment Room).

1. Space function / user activity:

Space will function as a storage space for training supplies.

2. Number of occupants:

Normal – Unoccupied.
Maximum – 1 person.

3. Furniture: (GFGI)

- Storage shelving and/or storage cabinets.

4. CFCI Built-In Specialties (tack boards / presentation boards / shelving, etc.):

- None.

5. GFGI Equipment (fixed and movable – CFCI utility requirements):

- None.

6. Finishes (function, durability and maintenance issues):

- Floor: Vinyl composition tile or Fluid-Applied flooring. Provide a transition strip between dissimilar floor finishes.
- Base: Resilient base with pre-molded corners or fluid-applied flooring covered base to match corridor.
- Walls:
 - All walls - Gypsum board, painted.
- Ceiling: Suspended acoustical ceiling tile system at 9'-6" high.

7. Doors:

- Opening from Main Corridor:
 - Size and Type: 3'-0" wide x 7'-0"; wood.
 - Lockset: Storeroom (F86) function.

8. Windows:

- None

RM 114 –Supplies Closet, continued

9. Sound Attenuation Treatment including STC Rating requirements:

- Provide 3-1/2" fiberglass or sound attenuation batt insulation in stud cavities between this room and adjacent rooms except no insulation is required in wall between this space and the Electrical Equipment Room.

10. Physical Security (Classification, IDS, CCTV, etc):

- None.

11. Mechanical (HVAC):

- Ventilation per Specifications Section 01158; undercut door

12. Plumbing:

- None.

13. Electrical (power/lighting):

- Provide Lighting per Specifications Section 01158.
- Provide Receptacle Outlets per Specifications Section 01158.

14. Communications:

- None.

Space Criteria Analysis Data Sheet

Room# and Space Name: RM 115 – Training Classroom Auditorium

Allocated Space: 1,085 NSF

1. Space function / user activity:

Space will function as a training classroom and features lecture hall or auditorium fixed seating installed on raised, stepped platforms.

2. Number of occupants:

Normal – Unoccupied.

Maximum – Up to 78 persons with seating for 77 persons.

- Note: Space may not be typically be fully staffed during the 8 hour work day but may be utilized at any time for large training or assembly functions. It should be considered an Assembly Occupancy for code compliance.

3. Furniture: (GFGI)

- Podium
- Freestanding chairs

4. CFCI Built-In Specialties (tack boards / presentation boards / shelving, etc.):

- **TAS** - Tablet arm seats (77) – Beam mounted, with folding tablet arms and spring-loaded tilt-up seats and including power and data raceways – See Specification 01158.
- **WB** - One 120" wide by 48" high white board with full length tray.
- **OPM** - Overhead projector mount and projector – See Specification 01158
- **PDM** – Podium – provide an AV lectern or multimedia podium capable of housing the CPU and related AV equipment – See Specification 01158.
- **RPS** - Electrically operated projection screen recessed into ceiling – See Specifications 01158.
- Raised fixed -seating platforms (8), each 42" deep by 7" high by width of room with top or highest platform being approximately 52 inches deep.

5. GFGI Equipment (fixed and movable – CFCI utility requirements):

- CPU (to be located in podium).

6. Finishes (function, durability and maintenance issues):

- Floor: Carpet tile on floor slab and broadloom carpet on raised platforms. It is anticipated that stepped platform treads and risers will be fully carpeted but other design solutions for the riser finish are open for approval. Provide approximately 48" wide by minimum 5" deep extruded metal safety treads mechanically fastened to platform on aisle steps.
- Base: Resilient base with pre-molded corners.
- Walls: Gypsum board, painted.

RM 115 – Training Classroom Auditorium, continued

6. Finishes, continued

- Stairs – The platform risers are steps in accordance with the Life Safety Code and the finish treatment of the platforms has been outlined above. Provide rubber stair treads and risers on the egress stairway at the back of the room. The RFP drawings show a rubber tread at the top of the stairs on the raised platform. Provide metal handrails. The landing at the base of the stairs should receive Fluid-Applied flooring to match that in the Main Corridor.
- Ceiling: Suspended acoustical ceiling tile system with ceiling at minimum 12'-8" high derived from the 4'- 8" high raised platform and at 8'-0" clear height above the highest platform.

7. Doors:

- Door opening into Main Corridor at front of auditorium (plan north):
 - Size and Type: 3'-0" wide x 7'-0" high; wood
 - Lockset: ANSI 156.3 Push bar exit device with entrance by trim. Function should allow door to be locked for controlled access but to be set so as not to be locked when general accessibility is desired.
- Opening into Main Corridor at front of auditorium (plan east):
 - Size and Type: 3'-0" wide x 7'-0" high; wood
 - Lockset: ANSI 156.3 Push bar exit device with entrance by trim. Function should allow door to be locked for controlled access but to be set so as not to be locked when general accessibility is desired.
- Opening into Main Corridor at egress stair landing:
 - Size and Type: 3'-0" wide x 7'-0" high; wood
 - Lockset: ANSI 156.3 Push bar exit device with entrance by trim. Function should allow door to be locked for controlled access but to be set so as not to be locked when general accessibility is desired.

8. Windows:

- None.

9. Sound Attenuation Treatment including STC Rating requirements:

- Provide minimum 3-1/2" fiberglass or sound attenuation batt insulation in stud cavities between this room and adjacent rooms.

10. Physical Security (Classification, IDS, CCTV, etc):

- None.

RM 115 – Training Classroom Auditorium, continued

11. Mechanical (HVAC):

- Provide HVAC per Specifications Section 01158

12. Electrical (power/lighting):

- Provide Lighting per Specifications Section 01158. Lighting shall be independently dimmable by at least three zones corresponding to the front, center and rear of the room. Provide interconnection with the IPD equipment so that lighting can be controlled from the IPD.
- Provide electrical wiring as required to the power management system provided with the seating so that all system outlets (one simplex receptacle per seat) are connected.
- Provide general purpose outlets every 12 feet of wall space measured at the floor line in other than seating locations.
- Provide a flush floor mounted quad receptacle outlet at the podium location.

13. Communications:

- Provide a floor flush mounted outlet at the podium location.
- Provide telecommunications wiring as required to the data management system provided with the seating so that all system outlets (one jack per seat) are connected.
- Provide an outlet on the east wall and south wall near the front of the room.

14. Other:

- Provide a flush mounted wall box at the symposium location with a cover plate with both UXGA and speaker wiring plug connectors. Provide conduit: 1) with UXGA cable from the wall box to second box with a cover plate with a UXGA connector located above the suspended ceiling at the overhead projector location and 2) with speaker wiring from the wall box to the system speakers.

Space Criteria Analysis Data Sheet

Room# and Space Name: RM 116 –Training Storage

Allocated Space: 90 NSF

1. Space function / user activity:

Space will function as storage space for training classroom equipment.

2. Number of occupants:

Normal – Unoccupied.
Maximum – 2 persons.

3. Furniture: (GFGI)

- None.

4. CFCI Built-In Specialties (tack boards / presentation boards / shelving, etc.):

- None.

5. GFGI Equipment (fixed and movable – CFCI utility requirements):

- None.

6. Finishes (function, durability and maintenance issues):

- Floor: Vinyl composition tile (or same floor finish as auditorium). Provide transition strip between dissimilar floor finishes.
- Base: Resilient with pre-molded corners.
- Walls:
 - Gypsum board, painted.
- Ceiling: Suspended acoustical ceiling tile system at minimum 9'-6" high.

7. Doors:

- Opening from classroom auditorium:
 - Size and Type: 3'-0" wide x 7'-0" high; wood.
 - Lockset: Storeroom (F86) function.

8. Windows:

- None

RM 116 –Training Storage, continued

9. Sound Attenuation Treatment including STC Rating requirements:

- Provide 3-1/2" fiberglass or sound attenuation batt insulation in stud cavities between this room and adjacent rooms except no insulation is required in walls between this space and the Classroom or General Storage rooms.

10. Physical Security (Classification, IDS, CCTV, etc):

- None.

11. Mechanical (HVAC):

- Undercut door and provide louver to draw air per Specifications Section 01158.

12. Plumbing:

- None.

13. Electrical (power/lighting):

- Provide Lighting per Specifications Section 01158.
- Provide Receptacle Outlets per Specifications Section 01158.

14. Communications:

- None.

Space Criteria Analysis Data Sheet

Room# and Space Name: RM 117 – Computer Training

Allocated Space: 275 NSF

1. Space function / user activity:

Space will contain the computer workstations for computer based flight training.

2. Number of occupants:

Normal – 5 persons.

Max – 9 persons.

3. Furniture: (GFGI)

- Ergonomic task chairs (5).
- 48" by 24" Computer desks.

4. CFCI Built-In Specialties (tack boards / presentation boards / shelving, etc.):

- **MB** – Mini blind window treatments.
- **WB** – White Board or marker board, size 48" by 48" with full-length tray.

5. GFGI Equipment (fixed and movable – CFCI utility requirements):

- Training Modules (2) approximately 8'-4" by 4'-4" each.
- Computer.

6. Finishes (function, durability and maintenance issues):

- Floor: Fluid-Applied flooring.
- Base: 4" high Fluid-Applied covered base integral with flooring.
- Walls:
 - All walls – Gypsum board, painted.
- Ceiling: Suspended acoustical ceiling tile system at 9'-6" high.

7. Doors:

- Opening from Main Corridor:
 - Size and Type: 3'-0" wide x 7'-0" high; wood with minimum 3" by 30" narrow door light.
 - Lockset – Classroom (F84) function.

RM 117 – Computer Training, continued

8. Windows:

- Provide single or double-hung window with solid surface sill.

9. Sound Attenuation Treatment including STC Rating requirements:

- Provide 3-1/2" fiberglass or sound attenuation batt insulation in stud cavities between this room and adjacent rooms.

10. Physical Security (Classification, IDS, CCTV, etc):

- None.

11. Mechanical (HVAC):

- Provide HVAC per 01158.

12. Plumbing:

- None.

13. Electrical (power/lighting):

- Provide Lighting per Specifications Section 01158.
- Provide Receptacle Outlets per Specifications Section 01158.
- Provide electrical service per Specification Section 01158.

14. Communications:

- Provide two outlets on east and west walls and one outlet on north wall.

Space Criteria Analysis Data Sheet

Room# and Space Name: RM 118 – General Storage

Allocated Space: 90 NSF

1. Space function / user activity:

Space will function as general storage space for the building.

2. Number of occupants:

Normal – Unoccupied.
Maximum – 2 persons.

3. Furniture: (GFGI)

- Storage shelving and/or storage cabinets.

4. CFCI Built-In Specialties (tack boards / presentation boards / shelving, etc.):

- None.

5. GFGI Equipment (fixed and movable – CFCI utility requirements):

- None.

6. Finishes (function, durability and maintenance issues):

- Floor: Vinyl composition tile or Fluid-Applied flooring to match corridor. Provide a transition strip between dissimilar floor finishes.
- Base: Resilient with pre-molded corners.
- Walls:
 - All walls - Gypsum board, painted.
- Ceiling: Suspended acoustical ceiling tile system at minimum 9' -6" high.

7. Doors:

- Opening from Main Corridor:
 - - Size and Style: 3'-0" wide x 7'-0"; wood.
 - Lockset: Storeroom (F86) function.

8. Windows:

- None

RM 118 – General Storage, continued

9. Sound Attenuation Treatment including STC Rating requirements:

- Provide 3-1/2" fiberglass or sound attenuation batt insulation in stud cavities between this room and adjacent rooms.

10. Physical Security (Classification, IDS, CCTV, etc):

- None.

11. Mechanical (HVAC):

- Undercut door and provide louver to draw air.

12. Plumbing:

- None.

13. Electrical (power/lighting):

- Provide Lighting per Specifications Section 01158.
- Provide Receptacle Outlets per Specifications Section 01158.

14. Communications:

- None.

Space Criteria Analysis Data Sheet

Room# and Space Name: RM 119 – Site Manager Office

Allocated Space: 155 NSF

1. Space function / user activity:

Space will function as a shared office for the support contractor's software engineer and site manager.

2. Number of occupants:

Normal – 2 persons.
Maximum – 2 persons.

3. Furniture: (GFGI)

- Desks with returns (2)
- Ergonomic task chairs (2)
- Conference end desk or table
- Lateral file with bookcase upper hutch (2).

4. CFCI Built-In Specialties (tack boards / presentation boards / shelving, etc.):

- **WB** – White Board or marker board, size 48" by 48" with full-length accessory tray.

5. GFGI Equipment (fixed and movable – CFCI utility requirements):

- None.

6. Finishes (function, durability and maintenance issues):

- Floor: Carpet tile. Provide a transition strip between dissimilar floor finishes.
- Base: Resilient base with pre-molded corners.
 - All walls – Gypsum board, painted.
- Ceiling: Suspended acoustical ceiling tile system at 9' high.

7. Doors:

- Opening from main corridor:
 - Size and Type: 3'-0" wide x 7'-0" high; wood
 - Lockset: Office (F82) function.

8. Windows:

- None.

RM 119 – Site Manager Office, continued

9. Sound Attenuation Treatment including STC Rating requirements:

- Provide 3-1/2" fiberglass or sound attenuation batt insulation in stud cavities between this room and adjacent rooms.

10. Physical Security (Classification, IDS, CCTV, etc):

- None.

11. Mechanical (HVAC):

- Provide HVAC per Specifications Section 01158.

12. Plumbing:

- None.

13. Electrical (power/lighting):

- Provide Lighting per Specifications Section 01158.
- Provide Receptacle Outlets per Specifications Section 01158.

14. Communications:

- Provide one outlet on each wall.

15. Other:

- None.

Space Criteria Analysis Data Sheet

Room# and Space Name: RM 120 – Flight Planning

Allocated Space: 186 NSF

1. Space function / user activity:

Space will function as the flight planning space for pilots.

2. Number of occupants:

Normal – 2 persons.

Maximum – 6 persons.

3. Furniture: (GFGI)

- Stool (s)

4. CFCI Built-In Specialties (tack boards / presentation boards / shelving, etc.):

- **CW-3** Custom-built casework Item Number 3 - Flight Planning table/cabinet and countertop with slots (approx. 19'-4" long by 3'-0" wide) on east wall. See RFP drawings for plans and details.
- **MB** – Mini blind window treatment.

5. GFGI Equipment (fixed and movable – CFCI utility requirements):

- Status board display and/or hanging chart rack on plan west wall.

6. Finishes (function, durability and maintenance issues):

- Floor: Porcelain ceramic tile, 6" by 6" shown but can be 8" x 8" or 12" by 12".
- Base: 4" high Porcelain ceramic tile.
- Walls:
 - All walls – Gypsum board, painted.
- Ceiling: Suspended acoustical ceiling tile system at 9' high.

7. Doors:

- Opening from lobby:
 - Size and Type: 3'-0" wide x 7'-0" high; wood with minimum 3" by 30" narrow door light.
 - Lockset: Classroom (F84) function.

RM 120 – Flight Planning, continued

8. Windows:

- Provide single or double-hung window with solid surface sill.

9. Sound Attenuation Treatment including STC Rating requirements:

- Provide 3-1/2" fiberglass or sound attenuation batt insulation in stud cavities between this room and adjacent rooms.

10. Physical Security (Classification, IDS, CCTV, etc):

- None.

11. Mechanical (HVAC):

- Provide HVAC per 01158.

12. Plumbing:

- None.

13. Electrical (power/lighting):

- Provide Lighting per Specifications Section 01158.
- Provide dedicated quadruplex receptacle outlets at each end of the custom built casework for connection of computers and monitors and one for the printer; receptacles shall be mounted in the rear of the cabinet box construction. Provide one outlet on the west wall.

14. Communications:

- Provide one outlet at each end of the custom built casework on the east wall for connection of computers and one for the printer; outlets shall be mounted in the rear of the cabinet box construction. Provide one outlet on the west wall.

Space Criteria Analysis Data Sheet

Room# and Space Name: RM 121 – NE Lobby

Allocated Space: 127 NSF

1. Space function / user activity:

- Space will function as an entry lobby area for visitors and building occupants.

2. Number of occupants:

Normal – Unoccupied
Max – 1 to 6 persons

3. Furniture: (GFGI)

- None

4. CFCI Built-In Specialties (tack boards / presentation boards / shelving, etc.):

- **DS** – Directory Sign on plan south wall -See Specification 01158.
- **LB** - Enclosed Letter Board, 48” wide by 36” high on plan west wall.

5. GFGI Equipment (fixed and movable – CFCI utility requirements):

- None.

6. Finishes (function, durability and maintenance issues):

- Floor: Fluid-Applied Flooring.
- Base: 4” high Fluid-Applied covered base integral with flooring.
- Walls:
 - Plan north – Aluminum storefront entry framing, doors and Gypsum board, painted.
 - Plan east – Gypsum board painted and opens main corridor.
 - Plan south – Gypsum board, painted.
 - Plan west – Gypsum board painted and opens to main corridor.
- Ceiling: Suspended acoustical ceiling tile system at 9’ high.

7. Doors:

- None: See adjacent spaces for door requirements.

8. Windows:

- None.

RM 122 – NE Lobby, continued

9. Sound Attenuation:

- Provide 3-1/2" fiberglass or sound attenuation batt insulation in stud cavities between this space and adjacent rooms.

10. Physical Security:

- None.

11. Mechanical (HVAC):

- Provide HVAC per Specifications Section 01158.

12. Plumbing:

- None

13. Electrical (power/lighting):

- Provide Lighting per Specifications Section 01158.
- Provide receptacle outlets per Specifications Section 01158 requirement for corridors.

14. Communications:

- None

15. Other:

Space Criteria Analysis Data Sheet

Room# and Space Name: RM 122 – NE Vestibule

Allocated Space: 79 NSF

1. Space function / user activity:

- Space will function as the secondary entrance to the building.

2. Number of occupants:

- Normal – Unoccupied
- Max – 2 to 6 persons

3. Furniture: (GFGI)

- None.

4. CFCI Built-In Specialties (tack boards / presentation boards / shelving, etc.):

- None.

5. GFGI Equipment (fixed and movable – CFCI utility requirements):

- None.

6. Finishes (function, durability and maintenance issues):

- Floor: Porcelain ceramic tile, 12" by 12".
- Base: Porcelain ceramic tile.
- Walls:
 - Plan north – Aluminum storefront system with gypsum board flanking walls, painted
 - Plan east – Gypsum board painted
 - Plan west – Gypsum board painted
 - Plan south – Aluminum storefront system
- Ceiling: Suspended acoustical ceiling tile system or suspended gypsum board (painted) at 9' high.

7. Doors:

- Provide one set of exterior thermal break double-doors opening from the Vestibule to the exterior and one set of interior thermal break double-doors opening from Lobby into the vestibule. Double-doors shall consist of minimum 3' wide by 7' high full-glazed, medium stile and rail door leaves with horizontal center rail. Provide hurricane-resistant glazing in exterior set and tempered, safety glazing in interior doors. The exterior door set shall be in a frame with transom light to match and by the same manufacturer of the interior storefront

RM 122 – NE Vestibule, continued

7. Doors, continued

framing – see Windows. Hardware should include full weather-stripping and hardware meeting the requirements of NFPA 101 for exit doors. Door must be lockable.

8. Windows:

- Aluminum – Framed Thermal Storefront sidelights and transom light. Provide hurricane-resistant glazing in the transom of the exterior frame and safety glazing in sidelights of interior frame.

9. Sound Attenuation Treatment including STC Rating requirements:

- Provide 3-1/2" fiberglass or sound attenuation batt insulation in stud cavities between the vestibule and adjacent rooms.

10. Physical Security (Classification, IDS, CCTV, etc):

- None

11. Mechanical (HVAC):

- Provide HVAC per Specifications Section 01158.

12. Plumbing:

- None.

13. Electrical (power/lighting):

- Provide Lighting per Specifications Section 01158.
- Provide Receptacle Outlets per Specifications Section 01158.

14. Communications:

- None

Space Criteria Analysis Data Sheet

Room# and Space Name: RM 123 – Copy Room

Allocated Space: 145 NSF

1. Space function / user activity:

Space will function as the copy room and mail sorting and distribution room.

2. Number of occupants:

Normal – Not occupied
Maximum – 2 persons.

3. Furniture: (GFGI)

- Mailroom furniture
- Table
- Storage cabinet or shelving
- “Brute” type rolling waste receptacle.

4. CFCI Built-In Specialties (tack boards / presentation boards / shelving, etc.):

- Copier (Workstation type)
- Fax machine
- Printer

5. GFGI Equipment (fixed and movable – CFCI utility requirements):

- None.

6. Finishes (function, durability and maintenance issues):

- Floor: Fluid –Applied Flooring
- Base: 4” high Fluid-Applied covered base integral with flooring.
 - All walls – Gypsum board, painted.
- Ceiling: Suspended acoustical ceiling tile system at 9’ high.

7. Doors:

- Opening from main corridor:
 - Size and Type: 3'-0" wide x 7'-0" high; wood
 - Lockset: Classroom (F84) function.

8. Windows:

- None

RM 123 – Copy Room, continued

9. Sound Attenuation Treatment including STC Rating requirements:

- Provide 3-1/2" fiberglass or sound attenuation batt insulation in stud cavities between this room and adjacent rooms.

10. Physical Security (Classification, IDS, CCTV, etc):

- None.

11. Mechanical (HVAC):

- Provide HVAC per Specifications Section 01158.

12. Plumbing:

- None.

13. Electrical (power/lighting):

- Provide Lighting per Specifications Section 01158.
- Provide Receptacle Outlets per Specifications Section 01158.

14. Communications:

- Provide one outlet on each non-door wall.

15. Other:

- None.

Space Criteria Analysis Data Sheet

Room# and Space Name: RM 124 – Control Room

Allocated Space: 593 NSF

1. Space function / user activity:

Space will contain the hardware necessary to support the simulator operation.

2. Number of occupants:

Normal – 1 person.

Maximum – 4 persons.

3. Furniture: (GFGI)

- Computer workstation tables (TBD)
- Software Storage Vault
- Ergonomic Task Chairs

4. CFCI Built-In Specialties (tack boards / presentation boards / shelving, etc.):

- **AF** – Access Flooring – See “Finishes” below.
- **WB** – White Board or marker board, size 72” by 48” with full-length accessory tray.

5. GFGI Equipment (fixed and movable – CFCI utility requirements):

- Motion control computers/cabinets
- Frequency converter
- Power Distribution Units
- Simulator computers/cabinets.

6. Finishes (function, durability and maintenance issues):

- Floor: Access flooring, raised 18” high with manufacturer’s static dissipative high-pressure laminate panel finish. Install access floor over a recessed slab so that top of access flooring is at same level as building floor. Provide the manufacturer’s perforated airflow panels where required. No steps or ramps. Important Note: The raised access floor installation requires the floor slab to be depressed 18” in this space area.
- Base: Resilient with pre-molded corners.
- Walls:
 - All walls – Gypsum board, painted.
- Ceiling: Suspended acoustical ceiling tile system at 11’-6” high.

RM 124 – Control Room, continued

7. Doors:

- Opening from Main Corridor:
 - Size and Type: Double-doors, 3'-0" wide x 7'-0" high; wood with minimum 3" x 30" narrow door light on active door leaf.
 - Lockset: Classroom (F84) function.
 - Provide hardware that allows the inactive door leaf to remain closed when the active leaf is operated but than can be opened when required. Doors should be hinged to allow maximum opening for periodic transfer of training equipment.
- Opening into Maintenance and parts Storage – See SCA Sheet for Room 105.
- Opening into Flight Simulation Chamber – See SCA Sheet for Room 129

8. Windows:

- Provide a 16' wide by 7'- 4" high interior window in the plan west wall between the control room and the Flight Simulation Chamber, Room 129. Frame may be hollow metal or storefront system and be divided into three or four panels. This window will be used to view the monitor the actions of the simulator when being operated.

9. Sound Attenuation Treatment including STC Rating requirements:

- Provide 3-1/2" fiberglass or sound attenuation batt insulation in stud cavities between this room and adjacent rooms.

10. Physical Security (Classification, IDS, CCTV, etc):

- None.

11. Mechanical (HVAC):

- Provide HVAC per Specifications Section 01158. Utilize computer room a/c units blowing down into the access floor cavity to be designed an air plenum for air distribution through the access flooring perforated panels.

12. Plumbing:

- Clean-agent fire suppression system, bottles, and controls per 01158.

RM 124 – Control Room, Electrical, continued

13. Electrical (power/lighting):

- Provide Lighting per Specifications Section 01158.
- Provide Receptacle Outlets per Specifications Section 01158.
- Provide connection of access flooring to building systems ground.
- Provide electrical service to Government provided Contractor installed UPS per Specifications Section 01158.
- Provide dedicated emergency power/UPS circuit for simulator vacuum pump per Specifications Section 01158.

14. Communications:

- Provide two outlets on west wall; three outlets on east wall and one outlet on both north and south walls.
- Provide two rows of three outlets under raised floor.

15. Other:

- Provide an access opening in the wall or side wall between this space and the Simulator Chamber, Room 129, below the access floor level and at the trench in the Simulator Chamber. The access wall opening should be approximately 16" wide by 8" high. Exact location of the opening in the side wall is to be determined and aligned with the trench location.

Space Criteria Analysis Data Sheet

Room# and Space Name: RM 125– Briefing Room A

Allocated Space: 162 NSF

1. Space function / user activity:

Space will provide debriefing of training exercises.

2. Number of occupants:

Normal – 3 persons.

Max – 5 persons.

3. Furniture: (GFGI)

- Ergonomic Task chairs (5)
- 36" x 72" Table
- Credenza base cabinet
- Bookcase hutch

4. CFCI Built-In Specialties (tack boards / presentation boards / shelving, etc.):

- **WB** – Whiteboard or marker board, size 72" x 48" with full-length accessories tray.
- **MB** – Mini blind window treatment.

5. GFGI Equipment (fixed and movable – CFCI utility requirements):

- Computer CPU's under table with monitor and keyboard on table top.

6. Finishes (function, durability and maintenance issues):

- Floor: Carpet tile. Provide a transition strip at dissimilar floor finishes.
- Base: Resilient with pre-molded corners.
- Walls:
 - All walls – Gypsum board, painted
- Ceiling: Suspended acoustical ceiling tile system at 9' high.

7. Doors:

- Opening from Main Corridor:
 - Size and Type: 3'-0" wide x 7'-0" high; wood, with minimum 3" by 30" narrow door light.
 - Lockset: Classroom (F84) function or Office (F82) function.

8. Windows:

- Provide a single or double-hung window with solid surface sill.

RM 125 – Briefing Room A , continued

9. Sound Attenuation Treatment including STC Rating requirements:

- Provide 3-1/2" fiberglass or sound attenuation batt insulation in all surrounding stud wall cavities.

10. Physical Security (Classification, IDS, CCTV, etc):

- None.

11. Mechanical (HVAC):

- Provide HVAC.

12. Plumbing:

- None.

13. Electrical (power/lighting):

- Provide Lighting per Specifications Section 01158 for offices.
- Provide a receptacle outlet at the table location indicated on the drawings. Provide additional outlets per Specifications Section 01158 requirement for office spaces.

14. Communications:

- Provide one outlet on each wall. One outlet shall be at the table location indicated on the RFP drawings.

Space Criteria Analysis Data Sheet

Room# and Space Name: RM 126– Briefing Room B

Allocated Space: 120 NSF

1. Space function / user activity:

Space will provide debriefing of training exercises.

2. Number of occupants:

Normal – 3 persons.

Max – 5 persons.

3. Furniture: (GFGI)

- Ergonomic Task chairs (5)
- 36" x 72" Table
- Credenza base cabinet
- Bookcase hutch

4. CFCI Built-In Specialties (tack boards / presentation boards / shelving, etc.):

- **WB** – Whiteboard or marker board, size 72" x 48" with full-length accessories tray.
- **MB** – Mini blind window treatment.

5. GFGI Equipment (fixed and movable – CFCI utility requirements):

- Computer CPU's under table with monitor and keyboard on table top.

6. Finishes (function, durability and maintenance issues):

- Floor: Carpet tile. Provide a transition strip at dissimilar floor finishes.
- Base: Resilient with pre-molded corners
- Walls:
 - All walls – Gypsum board, painted
- Ceiling: Suspended acoustical ceiling tile system at 9' high.

7. Doors:

- Opening from Main Corridor:
 - Size and Type: 3'-0" wide x 7'-0" high; wood, with minimum 3" by 30" narrow door light.
 - Lockset: Classroom (F84) or Office (F82) function.

8. Windows:

- Provide a single or double-hung window with solid surface sill.

RM 126 – Briefing Room B, continued

9. Sound Attenuation Treatment including STC Rating requirements:

- Provide 3-1/2" fiberglass or sound attenuation batt insulation in stud cavities between this room and adjacent rooms.

10. Physical Security (Classification, IDS, CCTV, etc):

- None.

11. Mechanical (HVAC):

- Provide HVAC per 01158.

12. Plumbing:

- None.

13. Electrical (power/lighting):

- Provide Lighting per Specifications Section 01158 for offices.
- Provide a receptacle outlet at the table location indicated on the drawings. Provide additional outlets per Specifications Section 01158 requirement for office spaces.

14. Communications:

- Provide one outlet on each wall. One outlet shall be at the table location indicated on the RFP drawings.

Space Criteria Analysis Data Sheet

Room# and Space Name: RM 127 – Telecommunications Equipment Room

Allocated Space: 116 NSF

1. Space function / user activity:

Space will function as the primary telecommunications equipment room.

2. Number of occupants:

Normal – 0 persons.

Max – 2 to 4 persons.

3. Furniture: (GFGI)

- None

4. CFCI Built-In Specialties (tack boards / presentation boards / shelving, etc.):

- **PLYWD** - 8' high x $\frac{3}{4}$ " thick fire rated plywood covering entire wall on three sides of room, with bottom mounted approximately 9" above floor, painted white or light gray.
- **RAC** - Equipment Racks – Provide two racks, each approximately 1'-7" wide by 1'-3" deep by 7' high post racks with vertical and horizontal wire management, cable tray and racked mounted electrical power distribution for each rack. Note: Space racks side-by-side and maintain minimum 36" clearance all around.

5. GFGI Equipment (fixed and movable – CFCI utility requirements):

- Phone System

6. Finishes (function, durability and maintenance issues):

- Floor: Static dissipative vinyl composition tile floor finish. Provide a transition strip at dissimilar floor finishes.
- Base: Resilient with pre-molded corners.
- Walls
 - All walls – Gypsum board over metal studs. Paint finish on all exposed wall surfaces not covered by plywood.
- Ceiling: Suspended acoustical ceiling tile system at 9' high.

RM 127 – Telecommunications Equipment Room, continued

7. Doors:

- Door opening from Main Corridor:
 - Size and Type: 3'-0" wide x 7'-0" high; wood
 - Lockset: Storeroom (F86) function

8. Windows:

- None.

9. Sound Attenuation Treatment including STC Rating requirements:

- Provide 3-1/2" fiberglass or sound attenuation batt insulation in stud cavities between this room and adjacent rooms.

10. Physical Security (Classification, IDS, CCTV, etc):

- None.

11. Physical Security (Classification, IDS, CCTV, etc):

- None.

12. Mechanical (HVAC):

- Provide HVAC per Specification Section 01158.

13. Plumbing:

- None.

14. Electrical (power/lighting):

- Provide Lighting per Specifications Section 01158.
- Provide Receptacle Outlets per Specifications Section 01158.

15. Communications:

- Provide Telecommunications per Specifications Section 01158.

Space Criteria Analysis Data Sheet

Room# and Space Name: RM 128 – Mission Sensor Training

Allocated Space: 602 NSF

1. Space function / user activity:

Space will contain the sensor training consoles and support equipment.

NOTE: THIS IS A CLASSIFIED SPACE IN A RESTRICTED AREA – See “Physical Security” requirements under Item 10 below.

2. Number of occupants:

Normal – 6 persons.

Max – 6 to 10 persons.

3. Furniture: (GFGI)

- Task chairs (5)
- Computer desk
- Floor safe

4. CFCI Built-In Specialties (tack boards / presentation boards / shelving, etc.):

- **AF** - Access Flooring – See “Finishes” below.

5. GFGI Equipment (fixed and movable – CFCI utility requirements):

- Student sensor training consoles (2)
- Instructor operator console (1)
- SIPRNet Server (1)

6. Finishes (function, durability and maintenance issues):

- Floor: Access flooring, 18” high with manufacturer’s static dissipative high-pressure laminate panel finish. Install access floor over a recessed slab so that top of access flooring is at same level as building floor. No steps or ramps. Important Note: The raised access floor installation requires the floor slab to be depressed 18” in this space area.
- Base: Resilient with pre-molded corners.
- Walls: All walls – Gypsum board over metal studs, painted finish. Note: all walls including finish must extend from the floor slab to the underside of the mezzanine slab above.
- Ceiling: Suspended acoustical ceiling tile system at 9’ high.

RM 128 – Mission Sensor Training (continued)

7. Doors:

- Opening to main Corridor, provide a single door and frame, STC 45 rated. Note: This door shall be the single, controlled entrance for personnel to the classified space.
 - Size and Type: 3'-0" wide x 7'-0" high, metal or veneer faced acoustical core door
 - Lockset: Office (F82) function
 - Federal Specification Group 1R Combination lock and a drill resistant 1/8" hard plate installed between the lock and the door
 - Pneumatic closer required
 - Balanced Magnetic Switch (BMS) required.
 - Door jamb seals and door sweep required.
- Opening from Mission Sensor Training into Flight Simulation Chamber, provide a double-leaf door and frame, STC 45 rated: Note this door is not intended to be a personnel entry door and will be primarily used for equipment transfer and as an egress door.
 - Size and Type: 6'-0" wide x 7'-0" high double doors (3' wide each); metal or wood veneer faced acoustical core door
 - Lockset: Panic hardware required for emergency egress.
 - Pneumatic closers
 - Door jamb seals, astragal and door sweep required.

8. Windows:

- None.

9. Sound Attenuation Treatment including STC Rating requirements:

- Provide 3-1/2" fiberglass or sound attenuation batt insulation in stud cavities in all surrounding wall cavities.

10. Physical Security (Classification, IDS, CCTV, etc):

- Space shall meet physical security requirements for classified information handling in accordance with COMDTINST M5510.23, *Classified Information Management Program*, Chapter 4, "Safeguarding" and the physical security requirements in accordance with the COMDTINST M5530.1C, *Physical Security and Force Protection Program*.

11. Mechanical (HVAC):

- Provide HVAC per Specifications Section 01158. Ensure that any HVAC ductwork or piping that penetrates the room perimeter is treated in accordance with COMDTINST M5510.23.

12. Plumbing:

- None.

RM 128 – Mission Sensor Training (continued)

13. Electrical (power/lighting):

- Provide Lighting per Specifications Section 01158.
- Provide Receptacle Outlets per Specifications Section 01158.
- Provide electrical service per Specifications Section 01158
- Provide treatment of any conduit that penetrates the room perimeter in accordance with COMDTINST M5510.23.

14. Communications:

- Provide two outlets on the north wall and one outlet on each of the other walls.

15. Other:

- Provide an access opening in the wall or side wall between this space and the Simulator Chamber, Room 129, below the access floor level and at the trench in the Simulator Chamber. The access wall opening should be approximately 16" wide by 8" high. Exact location of the opening in the side wall is to be determined and aligned with the trench location.

Space Criteria Analysis Data Sheet

Room# and Space Name: RM 129 – Flight Simulation Chamber

Allocated Space: 4,000 NSF

1. Space function / user activity:

Space will accommodate the flight simulation mechanism and access gantry stair assembly.

IMPORTANT NOTE: The clear dimensions of 51'-2" by 59'- 0" by 45' high as indicated on the RFP plan must be maintained.

2. Number of occupants:

Normal – 1 person.

Max – Up to 4 persons.

3. Furniture: (GFGI)

- None.

4. CFCI Built-In Specialties (tack boards / presentation boards / shelving, etc.):

- **ATS** – Alternating Tread Stairway with handrails extending from ground floor level to mezzanine level and including top platform to allow orientation of stairs as shown.
- **BC** - Bridge crane, overhead traveling, 1-ton rated capacity, single-girder or double girder configuration providing three axes of hook motion. Electrically operated from hanging pendant controller. **Must have a minimum clear hook height of +45'.**
- **LDR** – Ladder, Access – Provide a metal ladder from the floor slab to the OSHA required intermediate platform and a caged ladder from the platform to the roof hatch. The ladders should be approximately 1'-8" wide with $\frac{3}{4}$ " rungs at 1'-0" on center. The upper ladder will have a safety cage. The platform will be approximately 3' wide by 8' in length and have guard rails and toe rails. All fabricated metal components including the expanded metal or bar platform should be hot-dipped galvanized and may not require additional finish treatment.
- **RH** - Roof Hatch – Provide a minimum 30" by 36" roof hatch with a clear polycarbonate dome cover (to provide natural lighting), fully welded and insulated curb, featuring one-hand operation and hold-open arm to lock hatch in an open position.
- **T&G** –Trench and Grate – Provide 18" wide by 18" deep trenches from Rooms 124 and 129. Exact placement locations to be determined. Trenches shall have removable grates to allow access to cabling and tubing. Grate covers may be metal or fiberglass and be able to withstand typical fork lift loading.

5. GFGI Equipment (fixed and movable – CFCI utility requirements):

- Flight Simulator complete with:
 - Flight Compartment
 - Motion Platform

RM 129 – Flight Simulation Chamber, continued

GFGI Equipment, continued

- Computers and Control Unit
- Access Gantry and stairs.

6. Finishes (function, durability and maintenance issues):

- Floor: Provide a 30' x 30' x 18" thick monolithic concrete reaction pad for future flight simulator mounting. The exact location of the pad in the space is to be determined but will be approximately where shown on the RFP drawings; remainder of floor area shall be approximately 6" thick concrete. The floor finish on the reaction pad and surrounding floor area shall be Fluid-Applied flooring.
- Base: Painted approximately 8" high.
- Walls:
 - Plan North wall – CMU and edge of Mezzanine slab, painted.
 - Plan East wall – CMU painted and painted exposed structure including interior face of liner panels to the exterior wall panels above CMU wall.
 - Plan South wall – CMU wainscot, 6' high, painted with painted exposed structure including interior face of liner panels to the exterior wall panels above CMU wall.
 - Plan West wall – CMU wainscot, 6' high, painted with painted exposed structure including interior face of liner panels to the exterior wall panels above CMU wall.
- Ceiling: Painted exposed structure and utilities (with exception of bridge crane and any other factory finished item). Ceiling height is anticipated to be approximately 52' to underside of structure to allow adequate space for bridge crane, lighting and utilities above required 45' clear height requirement.

7. Doors:

- Opening from Main Corridor:
 - Size and Type: 3'-0" by 7'-0", wood with minimum 3" by 30" narrow door light.
 - Lockset: Office (F82) function with key operation on Main Corridor side of door.
- Opening from Simulation Chamber to Exterior:
 - Size and Type: 3'-0" by 7'-0"; out swinging, fiberglass door and frame with manufacture's weather stripping, threshold, astragal and recommended hardware for an Entry (F82) function.
- Opening from Simulation Chamber to Exterior:
 - Size and Type: 16'-0" wide by 24'-0" high, electrically operated, rolling service door with foam-filled insulated slats, bottom bar and weather stripping. Door shall have painted finish – see Specification 01158.

RM 129 – Flight Simulation, continued

7. Doors, continued

- Opening from Control Room:
 - Size and Type: Double-door, 6'-0" wide x 7'-0" high, wood with a minimum 3" wide by 30" narrow door light in the active leaf.
 - Lockset: Classroom (F84) function or Corridor (F90) function. Note: provide hardware enabling the active door leaf to be used for day-to-day passage while the inactive leaf remains closed until opened.
 - See SCA Sheet for Room 124.
- Opening from Mission Sensor Training Room:
 - See SCA Sheet for Room 128.

8. Windows:

- None

9. Sound Attenuation Treatment including STC Rating requirements:

- None.

10. Physical Security (Classification, IDS, CCTV, etc):

- None.

11. Mechanical (HVAC):

- Provide HVAC per Specification Section 01158.
- Simulator cockpit A/C shall be provided by the simulator contract.
- Destratification is vital to proper operation of simulator. See comments in Specification Section 01158.

12. Plumbing:

- Aircraft ramp style fire extinguisher located on the cockpit floor

13. Electrical (power/lighting):

- Provide Lighting per Specifications Section 01158. Locate overhead lighting around the flight simulator pad area so that overhead lighting will not be directly over the simulator.
- Provide general purpose receptacle outlets per Specifications Section 01158 for other spaces.

14. Communications:

- None.

Space Criteria Analysis Data Sheet

Room# and Space Name: RM 130 – Fire Suppression Equipment Room

Allocated Space: 80 NSF

1. Space function / user activity:

- Space will function as location for the clean agent fire suppression equipment.

2. Number of occupants:

Normal – Unoccupied.
Maximum – 2 persons.

3. Furniture: (GFGI)

- None.

4. CFCI Built-In Specialties (tack boards / presentation boards / shelving, etc.):

- None.

5. GFGI Equipment (fixed and movable – CFCI utility requirements):

- None.

6. Finishes (function, durability and maintenance issues):

- Floor: Sealed concrete
- Base: None.
- Walls:
 - All walls – Concrete masonry units, painted
- Ceiling: Exposed overhead structure (underside mezzanine), painted

7. Doors:

- Opening to the exterior:
 - Size and Type – 6'-0" wide x 7'-0" high (two 3' wide leaves), out swinging, fiberglass door and frame with manufacture's weather stripping, threshold, astragal and recommended hardware for storeroom (F86) function. Provide hardware to allow doors to be held in open position.

8. Windows:

- None.

RM 130 – Fire Suppression Equipment Room, continued

9. Sound Attenuation Treatment including STC Rating requirements:

- None

10. Physical Security (Classification, IDS, CCTV, etc):

- None.

11. Mechanical (HVAC):

- Heating and ventilation per specifications Section 01158.
- Clean-agent fire suppression bottle storage for Control Room system

12. Plumbing:

- None

13. Electrical (power/lighting):

- Provide Lighting per Specifications Section 01158.
- Provide Receptacle Outlets per Specifications Section 01158.

14. Communications:

- None.

Space Criteria Analysis Data Sheet

Room# and Space Name: RM 131 – Mezzanine

Allocated Space: Approximately 1,061 NSF to be constructed above rooms 127, 128, 130 and the Jack Storage alcove off of the Flight Simulation Chamber, Room 129.

1. Space function / user activity:

- Space will function as location for the mechanical equipment to support the Flight Simulation Chamber and for additional storage.

Note: The Mezzanine level is anticipated to be approximately 12'-6" above the ground floor slab level. The Mezzanine area does not need to be the full height of the Simulation Chamber. It needs to be a minimum of 10' above the mezzanine slab for storage and only additionally as high as is required for any simulation chamber mechanical equipment that may be placed on the mezzanine. The Mezzanine will also provide access to the high roof access ladder and roof hatch. The mezzanine may also provide access to the lower roof of the building. The lower roof is anticipated to be at approximately +16'-8". An estimated 14' height above the mezzanine slab to the roof structure of the mezzanine would allow adequate room for a personnel door to the lower roof.

2. Number of occupants:

Normal – Unoccupied.
Maximum – 4 persons.

3. Furniture: (GFGI)

- None.

4. CFCI Built-In Specialties (tack boards / presentation boards / shelving, etc.):

- **ATS** – Alternating Tread Stairway – Provide steel or aluminum alternating - step stairway or ladder with handrails for access to mezzanine.
- **GR** – Guard Rails – Provide code compliant guard rail on open side of mezzanine (and toe plate). Guard rails may be fabricated or assembled from component pieces.
- **LDR** – Ladder, Access – Provide an access ladder from the mezzanine floor slab to a roof hatch for access to the roof above the mezzanine area. The ladder should be approximately 1'-8" wide with $\frac{3}{4}$ " rungs at 1'-0" on center. All fabricated metal components should be hot-dipped galvanized and may not require additional finish treatment.
- **RH** – Roof Hatch – Provide a minimum 30" by 36" roof hatch with a clear polycarbonate dome cover (to provide natural lighting), fully welded and insulated curb featuring one-hand operation and hold-open arm to lock hatch in an open position.
- Stairs up to a standard 3'-0" by 7'-0" personnel door for access to the lower roof.

RM 131 – Mezzanine, continued

- 5. GFGI Equipment (fixed and movable – CFCI utility requirements):**
 - None

- 6. Finishes (function, durability and maintenance issues):**
 - Floor: sealed concrete
 - Base: none.
 - Walls:
 - All walls – Exposed structure, painted including interior face or liner panel the of the exterior metal wall panels. Plan south wall is open to simulation chamber.
 - Ceiling: Exposed overhead structure, painted

- 7. Doors:**
 - Opening (access door) to the roof of the lower portion of the building:
 - Size and Type: 3'-0" by 7'-0"; out swinging, fiberglass door and frame with manufacture's weather stripping, threshold, astragal and recommended hardware for an Entry (F82) function.

- 8. Windows:**
 - None.

- 9. Sound Attenuation Treatment including STC Rating requirements:**
 - None

- 10. Physical Security (Classification, IDS, CCTV, etc):**
 - None.

- 11. Mechanical (HVAC):**
 - Heating and ventilation per specifications Section 01158.

- 12. Plumbing:**
- 13.**
 - None

- 14. Electrical (power/lighting):**
 - Provide Lighting per Specifications Section 01158.
 - Provide two general purpose outlets on the north wall above the mezzanine level.

- 15. Communications:**
 - None.