US Army Corps
of Engineers
Savannah District

# Robins AFB
# Georgia

**Solicitation Number**
**DACA21-03-R-0025**
**Corrosion Control De-paint (FY03, UHHZ003014) and Paint (FY04, UHHZ003011) Facilities**
**Volume II of III - Appendices A through H**
**May 2003**

## PHASE TWO OF TWO PHASE DESIGN/BUILD SUBMITTAL PROCEDURE

**THIS SOLICITATION IS UNRESTRICTED PURSUANT TO THE "BUSINESS OPPORTUNITY DEVELOPMENT REFORM ACT OF 1988" (PUBLIC LAW 100-656)**

**U.S. ARMY ENGINEER DISTRICT, SAVANNAH**
**CORPS OF ENGINEERS**
**100 WEST OGLETHORPE AVENUE**
**SAVANNAH, GEORGIA 31401-3640**

# APPENDIX A

# REFERENCES

(Revised by Amendment No. 0004)

# APPENDIX A

# REFERENCES

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1111 18th Street, N.W., Suite 501
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G 101 - (1996) Testing and Rating Procedure for Grease Interceptors with Appendix of Sizing and Installation Data

WH 201 - (1992) Water Hammer Arresters

SHEET METAL AND AIR CONDITIONING CONTRACTOR'S NATIONAL ASSOCIATION (SMACNA)
PO Box 221230
Chantilly, VA 20153-1230

HVAC Duct Const Stds (DCS) - (1995; Addenda Nov 1997) HVAC Duct Construction Standards - Metal and Flexible

Architectural Manual - (1993; Errata; Addenda Oct 1997) Architectural Sheet Metal Manual

STEEL DECK INSTITUTE (SDI)

Steel Deck Institute Diaphragm Design Manual (Latest Edition)

STEEL DOOR INSTITUTE (SDI)
30200 Detroit Road
Cleveland, OH 44145-1967

100 - Standard Steel Doors and Frames

STEEL JOIST INSTITUTE

Standard Specification for Load Table for Open Web Joists (latest edition)

UNDERWRITERS LABORATORIES STANDARDS (UL)

181 – Factory-Made Air Ducts and Air Connectors

555 – Fire Dampers

555S – Smoke Dampers

UNIFORM FEDERAL ACCESSIBILITY STANDARD (UFAS)

WATER POLLUTION CONTROL FEDERATION MANUAL OF PRACTICE

FD-4 – Design of Wastewater and Stormwater Pumping Stations

FD-5 – Gravity Sanitary Sewer Design and Construction

***** End of Appendix A *****

# APPENDIX B

# NEW SITE DRAWINGS

# Appendix B – New Site Drawings

**Refer to separately bound drawings for New Site Drawings.**

# APPENDIX C

# FUNCTIONAL ROOM REQUIREMENTS

(On the following pages: No special requirements are designated by NSR. The room data sheets are for guidance in preparing the project. The Design-Build Contractor will be responsible for determining the actual amounts of space and room requirements for each area based on criteria. Design-Build Contractor has discretion to add additional spaces if required, i.e., DMSS control room, communications closet, etc.)

(Revised by Amendment No. 0004)

# INDIVIDUAL SPACE CRITERIA DATA SHEET

**Space:** *Mechanical Room*
**Size (s.f.):** *(4550) **Occupancy:** **Function:** *Chillers for Process Cooling*
**Size (s.m.):** *(423) *(Process Cooling Option)*

## ARCHITECTURAL

**Finishes:**
**Floor:** *Sealed concrete*
**Walls:** *Painted CMU/Gypsum Board*
**Ceiling:** *Exposed structure*
**Clear Ceiling Height:** *NSR*
**Windows:** *NSR*
**Doors:** *Hollow Metal Steel - Insulated, steel overhead coiling*
**Adjacencies:** *Electrical*
**Features:** *NSR*
**Furnishings:** *NSR*

## STRUCTURAL

**Floor:** *NSR*
**Walls:** *NSR*
**Ceiling:** *NSR*
**Features:** *NSR*

## HVAC

**Heating:** X **Air Conditioning:** ☐ **Ventilation:** X

**Temperature:** *Ventilate to 5 C (10 F) above ambient, Heating 12.8 C (55 F)*
**Special Requirements:**

## PLUMBING

**Fixtures:**

**Shop Air:** X **Equipment Air:** X **Floor Drains:** X

**Natural Gas:** X **Other:** *Domestic water and natural gas entrance*

## FIRE PROTECTION

**System Type:** *Wet Pipe Suppression/Fire Extinuguishers*
**Hazard Classification:** *To be determined*
**Detection:**
*10 lb ABC Fire Extinguisher*

## ELECTRICAL

**Telephone:** X **LAN:** ☐ **PA:** ☐

**Lighting:** *Fluorescent or Metal halide; 30fc*
**Special Requirements:**
**Security:**

## EQUIPMENT

**Cranes & Hoists:**
**Other:**
**GFGI:**

## OTHER COMMENTS

# *INDIVIDUAL SPACE CRITERIA DATA SHEET*

**Space:** **Communication Room**
**Size (s.f.):** 110 **Occupancy:** **Function:** Storage
**Size (s.m.):** 10

## ARCHITECTURAL

**Finishes:**
**Floor:** Sealed concrete
**Walls:** Painted CMU/ gypsum board
**Ceiling:** Exposed structure
**Clear Ceiling Height:** NSR
**Windows:** NSR
**Doors:** Hollow metal steel
**Adjacencies:** Exterior
**Features:** NSR
**Furnishings:** NSR

## STRUCTURAL

**Floor:** NSR
**Walls:** NSR
**Ceiling:** NSR
**Features:** NSR

## HVAC

**Heating:** [X] **Air Conditioning:** [x] **Ventilation:** [ ]

**Temperature:** Cooling 26.7 C (80 F), Heating 18 C (65 F)
**Special Requirements:**

## PLUMBING

**Fixtures:**

**Shop Air:** [ ] **Equipment Air:** [ ] **Floor Drains:** [ ]

**Natural Gas:** [ ] **Other:**

## FIRE PROTECTION

**System Type:** Wet Pipe Suppression/Fire Extinguishers
**Hazard Classification:** To be determined
**Detection:**
*10 lb ABC Fire Extinguisher*

## ELECTRICAL

**Telephone:** [X] **LAN:** [ ] **PA:** [X]

**Lighting:** *Fluorescent; 30fc*
**Special Requirements:**
**Security:**

## EQUIPMENT

**Cranes & Hoists:**
**Other:**
**GFGI:**

## OTHER COMMENTS

# *INDIVIDUAL SPACE CRITERIA DATA SHEET*

**Space:** **Recycle Material Storage**
**Size (s.f.):** 1615 **Occupancy:** **Function:** Storage
**Size (s.m.):** 150

## ARCHITECTURAL

**Finishes:**
**Floor:** Sealed concrete
**Walls:** Painted CMU/ gypsum board
**Ceiling:** Exposed structure
**Clear Ceiling Height:** NSR
**Windows:** NSR
**Doors:** Hollow metal steel, steel overhead coiling
**Adjacencies:** Exterior
**Features:** NSR
**Furnishings:** NSR

## STRUCTURAL

**Floor:** NSR
**Walls:** NSR
**Ceiling:** NSR
**Features:** NSR

## HVAC

**Heating:** [X] **Air Conditioning:** [ ] **Ventilation:** [X]

**Temperature:** Ventilate to 5 C (10 F) above ambient, Heating 12.8 C (55 F)
**Special Requirements:**

## PLUMBING

**Fixtures:**

**Shop Air:** [ ] **Equipment Air:** [ ] **Floor Drains:** [ ]

**Natural Gas:** [ ] **Other:**

## FIRE PROTECTION

**System Type:** Wet Pipe Suppression/Fire Extinguishers
**Hazard Classification:** To be determined
**Detection:**
*10 lb ABC Fire Extinguisher*

## ELECTRICAL

**Telephone:** [X] **LAN:** [ ] **PA:** [X]

**Lighting:** Metal halide; *30fc*
**Special Requirements:**
**Security:**

## EQUIPMENT

**Cranes & Hoists:**
**Other:**
**GFGI:**

## OTHER COMMENTS

Forklift and truck dock access

# *INDIVIDUAL SPACE CRITERIA DATA SHEET*

**Space:** **PPE Cleaning**
**Size (s.f.):** 215 **Occupancy:** 10 **Function:** PPE Cleaning
**Size (s.m.):** 20

## ARCHITECTURAL

**Finishes:**
**Floor:** Sealed concrete
**Walls:** Painted CMU
**Ceiling:** Suspended gypsum board
**Clear Ceiling Height:** 3048mm (10'-0")
**Windows:** NSR
**Doors:** Hollow Metal Steel - Insulated
**Adjacencies:** NSR
**Features:** NSR
**Furnishings:** NSR

## STRUCTURAL

**Floor:** NSR
**Walls:** NSR
**Ceiling:** NSR
**Features:** NSR

## HVAC

**Heating:** [X] **Air Conditioning:** [X] **Ventilation:** [X]

**Temperature:** Cooling 23.8 C (75 F), Heating 21.1 C (70 F)
**Special Requirements:**

## PLUMBING

**Fixtures:** Laundry sinks (2), clothes washer utilities

**Shop Air:** [ ] **Equipment Air:** [ ] **Floor Drains:** [X]

**Natural Gas:** [ ] **Other:** Recirculation hot water system

## FIRE PROTECTION

**System Type:** Wet Pipe Suppression/Fire Extinguishers
**Hazard Classification:** To be determined
**Detection:**
*10 lb ABC Fire Extinguisher*

## ELECTRICAL

**Telephone:** [X] **LAN:** [X] **PA:** [X]

**Lighting:** Flourescent; *50fc*
**Special Requirements:**
**Security:**

## EQUIPMENT

**Cranes & Hoists:**
**Other:**
**GFGI:** Washer-Dryer

## OTHER COMMENTS

# *INDIVIDUAL SPACE CRITERIA DATA SHEET*

**Space:** **Initial Accumulation Point**
**Size (s.f.):** 110 **Occupancy:** **Function:** Small item accumulation
**Size (s.m.):** 10

## ARCHITECTURAL

**Finishes:**
**Floor:** Sealed concrete
**Walls:** Painted CMU
**Ceiling:** NSR
**Clear Ceiling Height:** 3m (10' 0")
**Windows:** NSR
**Doors:** NSR
**Adjacencies:** Hangar Area
**Features:**
**Furnishings:**

## STRUCTURAL

**Floor:** NSR
**Walls:** NSR
**Ceiling:** NSR
**Features:** NSR

## HVAC

**Heating:** ☐ **Air Conditioning:** ☐ **Ventilation:** ☐

**Temperature:** NSR
**Special Requirements:**

## PLUMBING

**Fixtures:**

**Shop Air:** ☐ **Equipment Air:** ☐ **Floor Drains:** ☐

**Natural Gas:** ☐ **Other:**

## FIRE PROTECTION

**System Type:** Fire Extinguishers
**Hazard Classification:** To be determined
**Detection:**

## ELECTRICAL

**Telephone:** ☐ **LAN:** ☐ **PA:** ☐

**Lighting:** NSR
**Special Requirements:**
**Security:**

## EQUIPMENT

**Cranes & Hoists:**
**Other:**
**GFGI:**

## OTHER COMMENTS

This space shall be in the hangar floor area and shall be designated by painted stripe on hangar floor. Size shall be for 3-5 barrels.

# *INDIVIDUAL SPACE CRITERIA DATA SHEET*

**Space:** *Wash Rack Equipment Storage*
**Size (s.f.):** *430* **Occupancy:** **Function:** Storage
**Size (s.m.):** 40

## ARCHITECTURAL

**Finishes:**
**Floor:** Sealed concrete
**Walls:** Painted CMU/ gypsum board
**Ceiling:** Exposed structure
**Clear Ceiling Height:** NSR
**Windows:** NSR
**Doors:** Hollow Metal Steel, steel overhead coiling
**Adjacencies:** Corridor, Hangar Floor
**Features:** NSR
**Furnishings:** Counter with sink and Cabinets

## STRUCTURAL

**Floor:** NSR
**Walls:** NSR
**Ceiling:** NSR
**Features:** NSR

## HVAC

**Heating:** X **Air Conditioning:** X **Ventilation:** ☐

**Temperature:** Cooling 23.8 C (75 F), Heating 21.1 C (70 F)
**Special Requirements:**

## PLUMBING

**Fixtures:**

**Shop Air:** ☐ **Equipment Air:** ☐ **Floor Drains:** *X*

**Natural Gas:** ☐ **Other:**

## FIRE PROTECTION

**System Type:** Wet Pipe Suppression/Fire Extinguishers
**Hazard Classification:** To be determined
**Detection:**
*10* lb ABC Fire Extinguisher

## ELECTRICAL

**Telephone:** X **LAN:** X **PA:** X

**Lighting:** Flourescent
**Special Requirements:**
**Security:**

## EQUIPMENT

**Cranes & Hoists:**
**Other:**
**GFGI:**

## OTHER COMMENTS

Cable TV

# *INDIVIDUAL SPACE CRITERIA DATA SHEET*

**Space:** **Equipment Storage**
**Size (s.f.):** 540 **Occupancy:** **Function:** Storage
**Size (s.m.):** 50

## ARCHITECTURAL

**Finishes:**
**Floor:** Sealed concrete
**Walls:** Painted CMU/gypsum board
**Ceiling:** Exposed structure
**Clear Ceiling Height:** NSR
**Windows:** NSR
**Doors:** Hollow metal steel, steel overhead coiling
**Adjacencies:** Hangar Area
**Features:** NSR
**Furnishings:** NSR

## STRUCTURAL

**Floor:** NSR
**Walls:** NSR
**Ceiling:** NSR
**Features:** NSR

## HVAC

**Heating:** [X] **Air Conditioning:** [ ] **Ventilation:** [X]

**Temperature:** Ventilate to 5 C (10 F) above ambient, Heating 12.8 C (55 F)
**Special Requirements:**

## PLUMBING

**Fixtures:**

**Shop Air:** [ ] **Equipment Air:** [ ] **Floor Drains:** [ ]

**Natural Gas:** [ ] **Other:**

## FIRE PROTECTION

**System Type:** Wet Pipe Suppression/Fire Extinguishers
**Hazard Classification:** To be determined
**Detection:**
*10 lb ABC Fire Extinguisher*

## ELECTRICAL

**Telephone:** [X] **LAN:** [-] **PA:** [X]

**Lighting:** Flourescent
**Special Requirements:**
**Security:**

## EQUIPMENT

**Cranes & Hoists:**
**Other:**
**GFGI:**

## OTHER COMMENTS

# *INDIVIDUAL SPACE CRITERIA DATA SHEET*

**Space:** Corridors
**Size (s.f.):** 2200 **Occupancy:** **Function:** Access/Egress
**Size (s.m.):** 200

## ARCHITECTURAL

**Finishes:**
**Floor:** Vinyl Compostion Tile/ *Sealed concrete*
**Walls:** Painted CMU or gypsum board
**Ceiling:** 2x4 Suspended Acoustical Ceiling Tile/ *Exposed structure*
**Clear Ceiling Height:** 3048mm (10'-0")
**Windows:** NSR
**Doors:** Hollow Metal Steel
**Adjacencies:** 0
**Features:** NSR
**Furnishings:** NSR

## STRUCTURAL

**Floor:** NSR
**Walls:** NSR
**Ceiling:** NSR
**Features:** NSR

## HVAC

**Heating:** [X] **Air Conditioning:** [X] **Ventilation:** [ ]

**Temperature:** Cooling 23.8 C (75 F), Heating 21.1 C (70 F)
**Special Requirements:**

## PLUMBING

**Fixtures:**

**Shop Air:** [ ] **Equipment Air:** [ ] **Floor Drains:** [ ]

**Natural Gas:** [ ] **Other:**

## FIRE PROTECTION

**System Type:** Wet Pipe Suppression/Fire Extinguishers
**Hazard Classification:** To be determined
**Detection:**
*10* lb ABC Fire Extinguisher

## ELECTRICAL

**Telephone:** [ ] **LAN:** [ ] **PA:** [X]

**Lighting:** Flourescent
**Special Requirements:**
**Security:**

## EQUIPMENT

**Cranes & Hoists:**
**Other:**
**GFGI:**

## OTHER COMMENTS

*Forklift access from storage areas to hangar floor.*

# *INDIVIDUAL SPACE CRITERIA DATA SHEET*

**Space:** **Electrical room**
**Size (s.f.):** 800 **Occupancy:** **Function:** Electrical equipment
**Size (s.m.):** 75

## ARCHITECTURAL

**Finishes:**
**Floor:** Sealed Concrete
**Walls:** Painted CMU
**Ceiling:** Exposed structure
**Clear Ceiling Height:** ---
**Windows:** NSR
**Doors:** Hollow Metal Steel - Insulated
**Adjacencies:** Centrall located if possible
**Features:** NSR
**Furnishings:** NSR

## STRUCTURAL

**Floor:** NSR
**Walls:** NSR
**Ceiling:** NSR
**Features:** NSR

## HVAC

**Heating:** [X] **Air Conditioning:** [X] **Ventilation:** [ ]

**Temperature:** Cooling-30 C (86 F), Heating 12.8 C (55 F)
**Special Requirements:**

## PLUMBING

**Fixtures:**

**Shop Air:** [ ] **Equipment Air:** [ ] **Floor Drains:** [ ]

**Natural Gas:** [ ] **Other:**

## FIRE PROTECTION

**System Type:** Wet Pipe Suppression
**Hazard Classification:** To be determined
**Detection:**
10 lb ABC Fire Extinguisher

## ELECTRICAL

**Telephone:** [X] **LAN:** [ ] **PA:** [ ]

**Lighting:** Flourescent*; 30fc*
**Special Requirements:**
**Security:**

## EQUIPMENT

**Cranes & Hoists:**
**Other:**
**GFGI:**

## OTHER COMMENTS

# INDIVIDUAL SPACE CRITERIA DATA SHEET

**Space:** **Administrative**
**Size (s.f.):** 1615 **Occupancy:** 20 **Function:** Offices and conference room
**Size (s.m.):** 150

## ARCHITECTURAL

**Finishes:**
**Floor:** Carpet
**Walls:** Painted gypsum board
**Ceiling:** 2x4 Suspended Acoustical Ceiling Tile
**Clear Ceiling Height:** 2.7 m (9' 0")
**Windows:** NSR
**Doors:** Hollow Metal Steel
**Adjacencies:** Centrally located in clean area
**Features:** White boards, motorized ceiling projection screen
**Furnishings:** NRS

## STRUCTURAL

**Floor:** NSR
**Walls:** NSR
**Ceiling:** NSR
**Features:** NSR

## HVAC

**Heating:** X **Air Conditioning:** X **Ventilation:** ☐
**Temperature:** Cooling 23.8 C (75 F), Heating 21.1 C (70 F)
**Special Requirements:**

## PLUMBING

**Fixtures:** NSR
**Shop Air:** ☐ **Equipment Air:** ☐ **Floor Drains:** ☐
**Natural Gas:** ☐ **Other:**

## FIRE PROTECTION

**System Type:** Wet Pipe Suppression/Fire Extinguishers
**Hazard Classification:** To be determined
**Detection:**
10 lb ABC Fire Extinguisher

## ELECTRICAL

**Telephone:** X **LAN:** X **PA:** X
**Lighting:** Flourescent, Recessed can on dimmers in conference room
**Special Requirements:**
**Security:**

## EQUIPMENT

**Cranes & Hoists:**
**Other:**
**GFGI:** All room furnishings

## OTHER COMMENTS

DVD, VCR Video display, audio system with speakers, cable tv, warrior network (CCTV)
Dedicated computer circuit
Conference roon for 12-15 w/ view to hangar floor. One office w/ view to hangar floor.

# *INDIVIDUAL SPACE CRITERIA DATA SHEET*

**Space:** **Fire Protection Room**
**Size (s.f.):** *485* **Occupancy:** **Function:** Fire pumps and equipment room
**Size (s.m.):** *45*

## ARCHITECTURAL

**Finishes:**
**Floor:** Sealed concrete
**Walls:** Painted CMU/ Gypsum Board
**Ceiling:** Exposed structure
**Clear Ceiling Height:** To be determined
**Windows:** NSR
**Doors:** Hollow Metal Steel - Insulated
**Adjacencies:** Mechanical Room and Electrical Room, Exterior
**Features:** NSR
**Furnishings:** NSR

## STRUCTURAL

**Floor:** NSR
**Walls:** NSR
**Ceiling:** NSR
**Features:** NSR

## HVAC

**Heating:** [X] **Air Conditioning:** [ ] **Ventilation:** [X]

**Temperature:** Ventilate to 5 C (10 F) above ambient, Heating 12.8 C (55 F)
**Special Requirements:**

## PLUMBING

**Fixtures:**

**Shop Air:** [ ] **Equipment Air:** [ ] **Floor Drains:** [X]

**Natural Gas:** [ ] **Other:**

## FIRE PROTECTION

**System Type:** Wet Pipe Suppression
**Hazard Classification:** To be determined
**Detection:**
*10 lb ABC Fire Extinguisher*

## ELECTRICAL

**Telephone:** [X] **LAN:** [ ] **PA:** [ ]

**Lighting:** Fluorescent*; 30fc*
**Special Requirements:**
**Security:**

## EQUIPMENT

**Cranes & Hoists:**
**Other:**
**GFGI:**

## OTHER COMMENTS

# *INDIVIDUAL SPACE CRITERIA DATA SHEET*

**Space:** **Mechanical Room**
**Size (s.f.):** *10,760* **Occupancy:** **Function:** Mechanical Room including supply and return plenums
**Size (s.m.):** *1000*

## ARCHITECTURAL

**Finishes:**
**Floor:** Sealed concrete
**Walls:** Painted CMU/Gypsum Board
**Ceiling:** Exposed structure
**Clear Ceiling Height:** NSR
**Windows:** NSR
**Doors:** Hollow Metal Steel - Insulated, steel overhead coiling
**Adjacencies:** Electrical
**Features:** NSR
**Furnishings:** NSR

## STRUCTURAL

**Floor:** NSR
**Walls:** NSR
**Ceiling:** NSR
**Features:** NSR

## HVAC

**Heating:** X **Air Conditioning:** ☐ **Ventilation:** X

**Temperature:** Ventilate to 5 C (10 F) above ambient, Heating 12.8 C (55 F)
**Special Requirements:**

## PLUMBING

**Fixtures:**

**Shop Air:** X **Equipment Air:** X **Floor Drains:** X

**Natural Gas:** X **Other:** Domestic water and natural gas entrance

## FIRE PROTECTION

**System Type:** Wet Pipe Suppression/Fire Extinguishers
**Hazard Classification:** To be determined
**Detection:**
*10 lb ABC Fire Extinguisher*

## ELECTRICAL

**Telephone:** X **LAN:** ☐ **PA:** ☐

**Lighting:** Fluorescent or Metal halide*; 30fc*
**Special Requirements:**
**Security:**

## EQUIPMENT

**Cranes & Hoists:** Freight elevator is required to service large mechanical equipment above 9.144m (30'-0").
**Other:** Building central heating and cooling systems
**GFGI:**

## OTHER COMMENTS

This space needs forklift and truck dock access.

# *INDIVIDUAL SPACE CRITERIA DATA SHEET*

**Space:** **Hangar Floor w/ door pockets**
**Size (s.f.):** 61,000 **Occupancy:** 50 **Function:** Aircraft depaint
**Size (s.m.):** 5665

## ARCHITECTURAL

**Finishes:**
**Floor:** Sealed Concrete
**Walls:** Painted CMU and metal siding;
Preferance for pre-finished semi-flat/smooth metal liner panel to roof deck.
**Ceiling:** Suspended pre-finished smooth metal liner panel
**Clear Ceiling Height:** As required for necessary clearances
**Windows:** NSR
**Doors:** Personel doors to be Hollow Metal Steel - Insulated; Hangar doors, 2 sets of horizontal sliding
**Adjacencies:** Central
**Features:** NSR
**Furnishings:** NSR

## STRUCTURAL

**Floor:** NSR
**Walls:** NSR
**Ceiling:** NSR
**Features:** NSR

## HVAC

**Heating:** X **Air Conditioning:** * **Ventilation:** X

**Temperature:** Ventilate, heat to 20 C (68 F)/30% RH min., * option to cool to 25.5 C (78 F)
**Special Requirements:** 24 m/s (80 fpm) uniform airflow, exhaust air filtration system, maintain negative pressure

## PLUMBING

**Fixtures:** *Emergency eyewash units*

**Shop Air:** X **Equipment Air:** ☐ **Floor Drains:** ☐

**Natural Gas:** ☐ **Other:** Breathing air

## FIRE PROTECTION

**System Type:** Wet Pipe Suppression
**Hazard Classification:** To be determined
**Detection:**
*10 lb ABC Fire Extinguisher*

## ELECTRICAL

**Telephone:** X **LAN:** ☐ **PA:** X

**Lighting:** Metal halide*; 75fc*
**Special Requirements:**
**Security:**

## EQUIPMENT

**Cranes & Hoists:** T-tail crane, teleplatforms, tail work stands ("tail-in" alternative)
**Other:** Fall protection systems
**GFGI:**

## OTHER COMMENTS

Hangar Doors - Exterior- Horizontal Rolling with Pre-finished insulated metal panels on exterior face
Hangar Doors - Interior- Horizontal Rolling designed for uniform air flow from plenum
Dry Media Stripping System (DMSS)

# *INDIVIDUAL SPACE CRITERIA DATA SHEET*

**Space:** **Blast Media Unload-Storage**
**Size (s.f.):** *1720* **Occupancy:** **Function:** Communications Equipment
**Size (s.m.):** 160

## ARCHITECTURAL

**Finishes:**
**Floor:** Sealed Concrete
**Walls:** Painted CMU/gypsum board
**Ceiling:** Exposed structure
**Clear Ceiling Height:** As required for equipment
**Windows:** NSR
**Doors:** Hollow Metal Steel - Insulated
**Adjacencies:** Truck dock access, hangar floor
**Features:** NSR
**Furnishings:** NSR

## STRUCTURAL

**Floor:** NSR
**Walls:** NSR
**Ceiling:** NSR
**Features:** NSR

## HVAC

**Heating:** [X] **Air Conditioning:** [ ] **Ventilation:** [X]

**Temperature:** Ventilate to 5 C (10 F) above ambient, Heating 12.8 C (55 F)
**Special Requirements:** Continuous exhaust system

## PLUMBING

**Fixtures:** Emergency eyewash

**Shop Air:** [X] **Equipment Air:** [ ] **Floor Drains:** [ ]

**Natural Gas:** [ ] **Other:** Breathing air, DMSS recovery system

## FIRE PROTECTION

**System Type:** Wet Pipe Suppression/Fire Extinguisher
**Hazard Classification:** To be determined
**Detection:**
*10 lb ABC Fire Extinguisher*

## ELECTRICAL

**Telephone:** [X] **LAN:** [ ] **PA:** [X]

**Lighting:** Flourescent*; 30fc*
**Special Requirements:**
**Security:**

## EQUIPMENT

**Cranes & Hoists:**
**Other:**
**GFGI:**

## OTHER COMMENTS

Provide means to directly insert new DMSS media into each recovery system from this room.
Requires forklift and truck dock access.

# *INDIVIDUAL SPACE CRITERIA DATA SHEET*

**Space:** **Blast Media Reclaim-Recovery**
**Size (s.f.):** *1720* **Occupancy:** **Function:**
**Size (s.m.):** 160

## ARCHITECTURAL

**Finishes:**
**Floor:** Sealed Concrete
**Walls:** Painted CMU/ gypsum board
**Ceiling:** None
**Clear Ceiling Height:** 45'-0"
**Windows:** NSR
**Doors:** Hollow Metal Steel - Insulated
**Adjacencies:** truck dock access, hangar floor
**Features:** NSR
**Furnishings:** NSR

## STRUCTURAL

**Floor:** NSR
**Walls:** NSR
**Ceiling:** NSR
**Features:** NSR

## HVAC

**Heating:** X **Air Conditioning:** ☐ **Ventilation:** X

**Temperature:** Ventilate to 5 C (10 F) above ambient, Heating 12.8 C (55 F)
**Special Requirements:** Continuous exhaust system

## PLUMBING

**Fixtures:** Emergency eyewash

**Shop Air:** X **Equipment Air:** X **Floor Drains:** ☐

**Natural Gas:** ☐ **Other:** Breathing air

## FIRE PROTECTION

**System Type:** Wet Pipe Suppression/Fire Extinguisher
**Hazard Classification:** To be determined
**Detection:**
*10 lb ABC Fire Extinguisher*

## ELECTRICAL

**Telephone:** X **LAN:** ☐ **PA:** ☐

**Lighting:** Flourescent*; 30fc*
**Special Requirements:**
**Security:**

## EQUIPMENT

**Cranes & Hoists:**
**Other:** DMSS equipment
**GFGI:**

## OTHER COMMENTS

Requires forklift and truck dock access.

# *INDIVIDUAL SPACE CRITERIA DATA SHEET*

**Space:** **Mechanical Room**
**Size (s.f.):** 900 *(3150) **Occupancy:** **Function:** Boilers for mechanical system
**Size (s.m.):** 85 *(290) *(Process Cooling Option)

## ARCHITECTURAL

**Finishes:**
**Floor:** Sealed concrete
**Walls:** Painted CMU/Gypsum Board
**Ceiling:** Exposed structure
**Clear Ceiling Height:** NSR
**Windows:** NSR
**Doors:** Hollow Metal Steel - Insulated, steel overhead coiling
**Adjacencies:** Electrical
**Features:** NSR
**Furnishings:** NSR

## STRUCTURAL

**Floor:** NSR
**Walls:** NSR
**Ceiling:** NSR
**Features:** NSR

## HVAC

**Heating:** [X] **Air Conditioning:** [ ] **Ventilation:** [X]

**Temperature:** Ventilate to 5 C (10 F) above ambient, Heating 12.8 C (55 F)
**Special Requirements:**

## PLUMBING

**Fixtures:**

**Shop Air:** [X] **Equipment Air:** [X] **Floor Drains:** [X]

**Natural Gas:** [X] **Other:** Domestic water and natural gas entrance

## FIRE PROTECTION

**System Type:** Wet Pipe Suppression/Fire Extinguishers
**Hazard Classification:** To be determined
**Detection:**
*10 lb ABC Fire Extinguisher*

## ELECTRICAL

**Telephone:** [X] **LAN:** [ ] **PA:** [ ]

**Lighting:** Fluorescent or Metal halide*; 30fc*
**Special Requirements:**
**Security:**

## EQUIPMENT

**Cranes & Hoists:**
**Other:**
**GFGI:**

## OTHER COMMENTS

# *INDIVIDUAL SPACE CRITERIA DATA SHEET*

**Space:** **Restrooms-Dressing Rooms**
**Size (s.f.):** 2260 **Occupancy:** 50 **Function:**
**Size (s.m.):** 210

## ARCHITECTURAL

**Finishes:**
**Floor:** Ceramic Tile
**Walls:** Ceramic tile wainscot to 1524mm (5'-0"); painted gypsum board or CMU
**Ceiling:** Suspended Gypsum Board, painted
**Clear Ceiling Height:** 2.7 m (9' 0")
**Windows:** NSR
**Doors:** Hollow Metal Steel
**Adjacencies:** Central
**Features:** Clean and contaminated locker areas
**Furnishings:** Equal number metal lockers in clean and contaminated locker areas.

## STRUCTURAL

**Floor:** NSR
**Walls:** NSR
**Ceiling:** NSR
**Features:** NSR

## HVAC

**Heating:** X **Air Conditioning:** X **Ventilation:**

**Temperature:** Cooling 23.8 C (75 F), Heating 21.1 C (70 F)
**Special Requirements:** Exhaust system

## PLUMBING

**Fixtures:** Toilets, urinals, showers, lavatories, mop sink (Janitor Closet)

**Shop Air:** **Equipment Air:** **Floor Drains:** X

**Natural Gas:** **Other:**

## FIRE PROTECTION

**System Type:** Wet Pipe Suppression
**Hazard Classification:** To be determined
**Detection:**

## ELECTRICAL

**Telephone:** - **LAN:** - **PA:**

**Lighting:** Flourescent
**Special Requirements:**
**Security:**

## EQUIPMENT

**Cranes & Hoists:**
**Other:**
**GFGI:**

## OTHER COMMENTS

Stainless Steel toilet accessories, floor mounted toilet partitions, wash basins rather than sinks
Toilets shall be accessable from the clean areas.

# *INDIVIDUAL SPACE CRITERIA DATA SHEET*

**Space:** **Issue Rooms-Pharmacy**
**Size (s.f.):** 1290 **Occupancy:** 2 **Function:** Storage-issue PPE and equipment
**Size (s.m.):** 120

## ARCHITECTURAL

**Finishes:**
**Floor:** Vinyl Composition Tile
**Walls:** Painted gypsum board or CMU
**Ceiling:** 2x4 Suspended Acoustical Ceiling Tile
**Clear Ceiling Height:** 2.7 m (9' 0")
**Windows:** NSR
**Doors:** Hollow Metal Steel
**Adjacencies:** Centrally located in clean area
**Features:** NSR
**Furnishings:** NSR

## STRUCTURAL

**Floor:** NSR
**Walls:** NSR
**Ceiling:** NSR
**Features:** NSR

## HVAC

**Heating:** [X] **Air Conditioning:** [X] **Ventilation:** [ ]

**Temperature:** Cooling 23.8 C (75 F), Heating 21.1 C (70 F)
**Special Requirements:**

## PLUMBING

**Fixtures:**

**Shop Air:** [ ] **Equipment Air:** [ ] **Floor Drains:** [ ]

**Natural Gas:** [ ] **Other:**

## FIRE PROTECTION

**System Type:** Wet Pipe Suppression/Fire Extinguishers
**Hazard Classification:** To be determined
**Detection:**
*10 lb ABC Fire Extinguisher*

## ELECTRICAL

**Telephone:** [X] **LAN:** [X] CAT-6 **PA:** [X]

**Lighting:** Flourescent
**Special Requirements:**
**Security:**

## EQUIPMENT

**Cranes & Hoists:**
**Other:** Counter with shutter, adequate metal storage shelving *(see comments)*.
**GFGI:**

## OTHER COMMENTS

*Shelving shall be 30.5 meters (100 linear ft) of 1.22m (4'-0") wide, 3 high (reachable by hand) for dry goods.*
*Each row of shelves needs to be 1066 mm (42") min. from adjacent row and accessible from both sides.*

# *INDIVIDUAL SPACE CRITERIA DATA SHEET*

**Space:** **Break Area**
**Size (s.f.):** 1080 **Occupancy:** 50 **Function:**
**Size (s.m.):** 100

## ARCHITECTURAL

**Finishes:**
**Floor:** Vinyl Compostion Tile
**Walls:** Painted gypsum board or CMU
**Ceiling:** 2x4 Suspended Acoustical Ceiling Tile
**Clear Ceiling Height:** 2.7 m (9' 0")
**Windows:** Exterior insulated
**Doors:** Hollow Metal Steel
**Adjacencies:** Centrally located in clean area
**Features:** NSR
**Furnishings:** NSR

## STRUCTURAL

**Floor:** NSR
**Walls:** NSR
**Ceiling:** NSR
**Features:** NSR

## HVAC

**Heating:** [X] **Air Conditioning:** [X] **Ventilation:** [ ]

**Temperature:** Cooling 23.8 C (75 F), Heating 21.1 C (70 F)
**Special Requirements:**

## PLUMBING

**Fixtures:** Sink, garbage disposal, utilities for ice machine, dishwasher, and (4) vending machines

**Shop Air:** [ ] **Equipment Air:** [ ] **Floor Drains:** [X]

**Natural Gas:** [ ] **Other:** Recirculation hot water system

## FIRE PROTECTION

**System Type:** Wet Pipe Suppression/Fire Extinguishers
**Hazard Classification:** To be determined
**Detection:**
*10* lb ABC Fire Extinguisher

## ELECTRICAL

**Telephone:** [X] **LAN:** [ ] **PA:** [X]

**Lighting:** Flourescent
**Special Requirements:**
**Security:**

## EQUIPMENT

**Cranes & Hoists:**
**Other:** Counter with sink and cabinets
**GFGI:** Refrigerator, diswasher, microwave, vending machines

## OTHER COMMENTS

# *INDIVIDUAL SPACE CRITERIA DATA SHEET*

**Space:** **Chemical Storage**
**Size (s.f.):** *3770* **Occupancy:** **Function:** Chemical storage and dispensing equipment
**Size (s.m.):** 350

## ARCHITECTURAL

**Finishes:**
**Floor:** Chemical resistant sealer
**Walls:** Painted CMU/ Gypsum Board
**Ceiling:** Exposed structure
**Clear Ceiling Height:** NSR
**Windows:** NSR
**Doors:** Hollow metal steel, steel overhead coiling
**Adjacencies:** Exterior
**Features:** NSR
**Furnishings:** NSR

## STRUCTURAL

**Floor:** NSR
**Walls:** NSR
**Ceiling:** NSR
**Features:** NSR

## HVAC

**Heating:** X **Air Conditioning:** X **Ventilation:** X

**Temperature:** Cooling 30 C (86 F), Heating 18.3 C (65 F)
**Special Requirements:** Continuous exhaust system

## PLUMBING

**Fixtures:** Emergency eyewash/showers, hose bibbs

**Shop Air:** X **Equipment Air:** X **Floor Drains:** X

**Natural Gas:** **Other:** Industrial waste system

## FIRE PROTECTION

**System Type:** Wet Pipe Suppression/Fire Extinguishers
**Hazard Classification:** To be determined
**Detection:**
*10 lb ABC Fire Extinguisher*

## ELECTRICAL

**Telephone:** X **LAN:** - **PA:** X

**Lighting:** *Fluorescent; 30fc*
**Special Requirements:**
**Security:**

## EQUIPMENT

**Cranes & Hoists:**
**Other:**
**GFGI:**

## OTHER COMMENTS

Provide space for 19 $m^3$ acid tank, 3.8 $m^3$ alodine tank, 19 $m^3$ detergent tank, 19 $m^3$ hot water tank, water softener, and all associated pumps, mixers, mixing tanks, and piping.
Forklift and truck dock access. Provide containment/drainage per NFPA 30, if required.

# *INDIVIDUAL SPACE CRITERIA DATA SHEET*

**Space:** **Solvent Storage**
**Size (s.f.):** 1080 **Occupancy:** 10 **Function:** Solvent storage
**Size (s.m.):** 100

## ARCHITECTURAL

**Finishes:**
**Floor:** Solvent resistant sealer
**Walls:** Painted CMU/ Gypsum Board
**Ceiling:** NSR
**Clear Ceiling Height:** NSR
**Windows:** NSR
**Doors:** Hollow Metal steel, steel overhead coiling
**Adjacencies:** NSR
**Features:** NSR
**Furnishings:** NSR

## STRUCTURAL

**Floor:** NSR
**Walls:** NSR
**Ceiling:** NSR
**Features:** NSR

## HVAC

**Heating:** [X] **Air Conditioning:** [X] **Ventilation:** [X]

**Temperature:** Cooling - 30 C (86 F), Heating 18.3 C (65 F)
**Special Requirements:** Continuous ventilation per NFPA 30

## PLUMBING

**Fixtures:** NSR

**Shop Air:** [ ] **Equipment Air:** [ ] **Floor Drains:** [X]

**Natural Gas:** [ ] **Other:** Industrial waste system

## FIRE PROTECTION

**System Type:** Wet Pipe Suppression/ Fire Extinguishers
**Hazard Classification:** To be determined
**Detection:**
*10 lb ABC Fire Extinguisher*

## ELECTRICAL

**Telephone:** [X] **LAN:** [ ] **PA:** [X]

**Lighting:** *Flourescent; 30fc*
**Special Requirements:**
**Security:**

## EQUIPMENT

**Cranes & Hoists:**
**Other:**
**GFGI:**

## OTHER COMMENTS

Provide containment/drainage per NFPA 30.
*Provide space for six (6) each 208L (55 gal) drums.*

# *INDIVIDUAL SPACE CRITERIA DATA SHEET*

**Space:** **Communication Room**
**Size (s.f.):** *110* **Occupancy:** **Function:** Storage
**Size (s.m.):** 10

## ARCHITECTURAL

**Finishes:**
**Floor:** Sealed concrete
**Walls:** Painted CMU/ Gypsum board
**Ceiling:** Exposed structure
**Clear Ceiling Height:** NSR
**Windows:** NSR
**Doors:** Hollow metal steel
**Adjacencies:** Exterior
**Features:** NSR
**Furnishings:** NSR

## STRUCTURAL

**Floor:** NSR
**Walls:** NSR
**Ceiling:** NSR
**Features:** NSR

## HVAC

**Heating:** [x] **Air Conditioning:** [x] **Ventilation:** [x]

**Temperature:** Cooling 27 C (80 F), Heating 18 C (65 F)
**Special Requirements:**

## PLUMBING

**Fixtures:**

**Shop Air:** [ ] **Equipment Air:** [ ] **Floor Drains:** [ ]

**Natural Gas:** [ ] **Other:**

## FIRE PROTECTION

**System Type:** Wet Pipe Suppression/Fire Extinguishers
**Hazard Classification:** To be determined
**Detection:**
*10 lb ABC Fire Extinguisher*

## ELECTRICAL

**Telephone:** [X] **LAN:** [ ] **PA:** [X]

**Lighting:** *Fluorescent; 30fc*
**Special Requirements:**
**Security:**

## EQUIPMENT

**Cranes & Hoists:**
**Other:**
**GFGI:**

## OTHER COMMENTS

# INDIVIDUAL SPACE CRITERIA DATA SHEET

**Space:** **Paint Storage**
**Size (s.f.):** 860 **Occupancy:** 10 **Function:** Paint storage for enough paint for two C-5 aircraft
**Size (s.m.):** 80

## ARCHITECTURAL

**Finishes:**
**Floor:** Sealed concrete, spills easlily cleaned
**Walls:** Painted CMU/ Gypsum board
**Ceiling:** Exposed structure
**Clear Ceiling Height:** NSR
**Windows:** NSR
**Doors:** Hollow Metal Steel - Steel overhead coiling
**Adjacencies:** NSR
**Features:** NSR
**Furnishings:** NSR

## STRUCTURAL

**Floor:** NSR
**Walls:** NSR
**Ceiling:** NSR
**Features:** NSR

## HVAC

**Heating:** [X] **Air Conditioning:** [X] **Ventilation:** [X]

**Temperature:** Cooling - 26.7 C (80 F), Heating 18.3 C (65 F)
**Special Requirements:** Continuous ventilation per NFPA 30

## PLUMBING

**Fixtures:** NSR

**Shop Air:** [ ] **Equipment Air:** [ ] **Floor Drains:** [X]

**Natural Gas:** [ ] **Other:** Industrial waste

## FIRE PROTECTION

**System Type:** Wet Pipe Suppression/Fire Extinguishers
**Hazard Classification:** To be determined
**Detection:**
10 lb ABC Fire Extinguisher

## ELECTRICAL

**Telephone:** [X] **LAN:** [ ] **PA:** [X]

**Lighting:** Flourescent; 30fc
**Special Requirements:**
**Security:**

## EQUIPMENT

**Cranes & Hoists:**
**Other:** Provide five (5) 457mm x 914mm (18" x 36") cabinets.
**GFGI:**

## OTHER COMMENTS

Provide containment/drainage per NFPA 30.

# *INDIVIDUAL SPACE CRITERIA DATA SHEET*

**Space:** **Initial Accumulation Point**
**Size (s.f.):** 110 **Occupancy:** **Function:** Small item accumulation
**Size (s.m.):** 10

## ARCHITECTURAL

**Finishes:**
**Floor:** Sealed concrete
**Walls:** Painted CMU
**Ceiling:** NSR
**Clear Ceiling Height:** 3m (10' 0")
**Windows:** NSR
**Doors:** NSR
**Adjacencies:** Hangar Area
**Features:**
**Furnishings:**

## STRUCTURAL

**Floor:** NSR
**Walls:** NSR
**Ceiling:** NSR
**Features:** NSR

## HVAC

**Heating:** ☐ **Air Conditioning:** ☐ **Ventilation:** ☐

**Temperature:** NSR
**Special Requirements:**

## PLUMBING

**Fixtures:**

**Shop Air:** ☐ **Equipment Air:** ☐ **Floor Drains:** ☐

**Natural Gas:** ☐ **Other:**

## FIRE PROTECTION

**System Type:** Fire Extinguisher
**Hazard Classification:** To be determined
**Detection:**
*10 lb ABC Fire Extinguisher*

## ELECTRICAL

**Telephone:** ☐ **LAN:** ☐ **PA:** ☐

**Lighting:** NSR
**Special Requirements:**
**Security:**

## EQUIPMENT

**Cranes & Hoists:**
**Other:**
**GFGI:**

## OTHER COMMENTS

This space shall be in the hangar floor area and shall be designated by painted stripe on hangar floor. Size shall be for 3-5 barrels.

# *INDIVIDUAL SPACE CRITERIA DATA SHEET*

**Space:** **Equipment Cleaning**
**Size (s.f.):** 375 **Occupancy:** **Function:** Area for cleaning paint equipment, tools, paint guns, etc.
**Size (s.m.):** 35

## ARCHITECTURAL

**Finishes:**
**Floor:** Sealed concrete
**Walls:** Painted CMU/ Gypsum Board
**Ceiling:** Exposed structure
**Clear Ceiling Height:** As required
**Windows:** NSR
**Doors:** Hollow Metal Steel, steel overhead coiling
**Adjacencies:** Equipment storage
**Features:** NSR
**Furnishings:** NSR

## STRUCTURAL

**Floor:** NSR
**Walls:** NSR
**Ceiling:** NSR
**Features:** NSR

## HVAC

**Heating:** [X] **Air Conditioning:** [X] **Ventilation:** [ ]

**Temperature:** Cooling 23.8 C (75 F), Heating 21.1 C (70 F)
**Special Requirements:** Local intermittent exhaust system

## PLUMBING

**Fixtures:** Emergency eyewash, Hose bibbs (2)

**Shop Air:** [ ] **Equipment Air:** [ ] **Floor Drains:** [X]

**Natural Gas:** [ ] **Other:** Industrial waste

## FIRE PROTECTION

**System Type:** Wet Pipe Suppression
**Hazard Classification:** To be determined
**Detection:**
*10* lb ABC Fire Extinguisher

## ELECTRICAL

**Telephone:** [X] **LAN:** [X] **PA:** [X]

**Lighting:** Flourescent; *50fc*
**Special Requirements:**
**Security:**

## EQUIPMENT

**Cranes & Hoists:**
**Other:**
**GFGI:**

## OTHER COMMENTS

# *INDIVIDUAL SPACE CRITERIA DATA SHEET*

**Space:** **Equipment Storage**
**Size (s.f.):** 700 **Occupancy:** **Function:** Storage
**Size (s.m.):** 65

## ARCHITECTURAL

**Finishes:**
**Floor:** Sealed concrete
**Walls:** Painted CMU/ Gypsum Board
**Ceiling:** Exposed structure
**Clear Ceiling Height:** 2.7 m (9' 0")
**Windows:** NSR
**Doors:** Hollow metal steel, steel overhead coiling
**Adjacencies:** Hangar Area
**Features:** NSR
**Furnishings:** NSR

## STRUCTURAL

**Floor:** NSR
**Walls:** NSR
**Ceiling:** NSR
**Features:** NSR

## HVAC

**Heating:** X **Air Conditioning:** X **Ventilation:** ☐

**Temperature:** Cooling 23.8 C (75 F), Heating 21.1 C (70 F)
**Special Requirements:**

## PLUMBING

**Fixtures:**

**Shop Air:** ☐ **Equipment Air:** ☐ **Floor Drains:** ☐

**Natural Gas:** ☐ **Other:**

## FIRE PROTECTION

**System Type:** Wet Pipe Suppression/Fire Extinguishers
**Hazard Classification:** To be determined
**Detection:**
*10 lb ABC Fire Extinguisher*

## ELECTRICAL

**Telephone:** X **LAN:** - **PA:** X

**Lighting:** Flourescent
**Special Requirements:**
**Security:**

## EQUIPMENT

**Cranes & Hoists:**
**Other:**
**GFGI:**

## OTHER COMMENTS

# *INDIVIDUAL SPACE CRITERIA DATA SHEET*

**Space:** **Corridors**
**Size (s.f.):** 2200 **Occupancy:** **Function:** Access/Egress
**Size (s.m.):** 200

## ARCHITECTURAL

**Finishes:**
**Floor:** Vinyl Compostion Tile
**Walls:** Painted CMU/Gypsum Board
**Ceiling:** 2x4 Suspended Acoustical Ceiling Tile
**Clear Ceiling Height:** 3.05 m (10'- 0")
**Windows:** NSR
**Doors:** Hollow Metal Steel
**Adjacencies:** 0
**Features:** NSR
**Furnishings:** NSR

## STRUCTURAL

**Floor:** NSR
**Walls:** NSR
**Ceiling:** NSR
**Features:** NSR

## HVAC

**Heating:** [X] **Air Conditioning:** [X] **Ventilation:** [ ]

**Temperature:** Cooling 23.8 C (75 F), Heating 21.1 C (70 F)
**Special Requirements:**

## PLUMBING

**Fixtures:**

**Shop Air:** [ ] **Equipment Air:** [ ] **Floor Drains:** [ ]

**Natural Gas:** [ ] **Other:**

## FIRE PROTECTION

**System Type:** Wet Pipe Suppression/Fire Extinguishers
**Hazard Classification:** To be determined
**Detection:**
*10* lb ABC Fire Extinguisher

## ELECTRICAL

**Telephone:** [ ] **LAN:** [ ] **PA:** [X]

**Lighting:** Flourescent
**Special Requirements:**
**Security:**

## EQUIPMENT

**Cranes & Hoists:**
**Other:**
**GFGI:**

## OTHER COMMENTS

*Forklift access from storage areas to hangar floor.*

# *INDIVIDUAL SPACE CRITERIA DATA SHEET*

**Space:** **Electrical room**
**Size (s.f.):** 800 **Occupancy:** **Function:** Electrical equipment
**Size (s.m.):** 75

## ARCHITECTURAL

**Finishes:**
**Floor:** Sealed Concrete
**Walls:** Painted CMU/Gypsum Board
**Ceiling:** Exposed structure
**Clear Ceiling Height:** ---
**Windows:** NSR
**Doors:** Hollow Metal Steel - Insulated
**Adjacencies:** Centrall located if possible
**Features:** NSR
**Furnishings:** NSR

## STRUCTURAL

**Floor:** NSR
**Walls:** NSR
**Ceiling:** NSR
**Features:** NSR

## HVAC

**Heating:** [X] **Air Conditioning:** [X] **Ventilation:** [ ]

**Temperature:** Cooling - 30 C (86 F), Heating 12.8 C (55 F)
**Special Requirements:**

## PLUMBING

**Fixtures:**

**Shop Air:** [ ] **Equipment Air:** [ ] **Floor Drains:** [ ]

**Natural Gas:** [ ] **Other:**

## FIRE PROTECTION

**System Type:** Wet Pipe Suppression/ Fire Extinguishers
**Hazard Classification:** To be determined
**Detection:**
10 lb ABC Fire Extinguisher

## ELECTRICAL

**Telephone:** [X] **LAN:** [ ] **PA:** [ ]

**Lighting:** Flourescent; *30fc*
**Special Requirements:**
**Security:**

## EQUIPMENT

**Cranes & Hoists:**
**Other:**
**GFGI:**

## OTHER COMMENTS

# INDIVIDUAL SPACE CRITERIA DATA SHEET

**Space:** **Administrative**
**Size (s.f.):** 1615 **Occupancy:** 20 **Function:** Offices and conference room
**Size (s.m.):** 150

## ARCHITECTURAL

**Finishes:**
**Floor:** Carpet
**Walls:** Painted gypsum board
**Ceiling:** 2x4 Suspended Acoustical Ceiling Tile
**Clear Ceiling Height:** 2.7 m (9' 0")
**Windows:** NSR
**Doors:** Hollow Metal Steel
**Adjacencies:** Centrally located in clean area
**Features:** White boards, motorized ceiling projection screen
**Furnishings:** NRS

## STRUCTURAL

**Floor:** NSR
**Walls:** NSR
**Ceiling:** NSR
**Features:** NSR

## HVAC

**Heating:** [X] **Air Conditioning:** [X] **Ventilation:** [ ]

**Temperature:** Cooling 23.8 C (75 F), Heating 21.1 C (70 F)
**Special Requirements:**

## PLUMBING

**Fixtures:** NSR

**Shop Air:** [ ] **Equipment Air:** [ ] **Floor Drains:** [ ]

**Natural Gas:** [ ] **Other:**

## FIRE PROTECTION

**System Type:** Wet Pipe Suppression/Fire Extinguishers
**Hazard Classification:** To be determined
**Detection:**
10 lb ABC Fire Extinguisher

## ELECTRICAL

**Telephone:** [X] **LAN:** [X] **PA:** [X]

**Lighting:** Flourescent, Recessed can on dimmers in conference room
**Special Requirements:**
**Security:**

## EQUIPMENT

**Cranes & Hoists:**
**Other:**
**GFGI:** All room furnishings

## OTHER COMMENTS

DVD, VCR Video display, audio system with speakers, cable tv, warrior network (CCTV)
Dedicated computer circuit
Conference roon for 12-15 w/ view to hangar floor. One office w/ view to hangar floor.

# INDIVIDUAL SPACE CRITERIA DATA SHEET

**Space:** **Fire Protection Room**
**Size (s.f.):** 485 **Occupancy:** **Function:** Fire protecton equipment room
**Size (s.m.):** 45

## ARCHITECTURAL

**Finishes:**
**Floor:** Sealed concrete
**Walls:** Painted CMU/ Gypsum Board
**Ceiling:** Exposed structure
**Clear Ceiling Height:** To be determined
**Windows:** NSR
**Doors:** Hollow Metal Steel - Insulated
**Adjacencies:** Mechanical Room and Electrical Room, Exterior
**Features:** NSR
**Furnishings:** NSR

## STRUCTURAL

**Floor:** NSR
**Walls:** NSR
**Ceiling:** NSR
**Features:** NSR

## HVAC

**Heating:** [X] **Air Conditioning:** [ ] **Ventilation:** [X]

**Temperature:** Ventilate to 5 C (10 F) above ambient, Heating 12.8 C (55 F)
**Special Requirements:**

## PLUMBING

**Fixtures:**

**Shop Air:** [ ] **Equipment Air:** [ ] **Floor Drains:** [X]

**Natural Gas:** [ ] **Other:**

## FIRE PROTECTION

**System Type:** Wet Pipe Suppression
**Hazard Classification:** To be determined
**Detection:**
10 lb ABC Fire Extinguisher

## ELECTRICAL

**Telephone:** [X] **LAN:** [ ] **PA:** [ ]

**Lighting:** Fluorescent; 30fc
**Special Requirements:**
**Security:**

## EQUIPMENT

**Cranes & Hoists:**
**Other:**
**GFGI:**

## OTHER COMMENTS

# *INDIVIDUAL SPACE CRITERIA DATA SHEET*

**Space:** **Mechanical Room**
**Size (s.f.):** *10,760* **Occupancy:** **Function:** Mechanical Room including supply and return plenums
**Size (s.m.):** *1000*

## ARCHITECTURAL

**Finishes:**
**Floor:** Sealed concrete
**Walls:** Painted CMU/Gypsum Board
**Ceiling:** Exposed structure
**Clear Ceiling Height:** NSR
**Windows:** NSR
**Doors:** Hollow Metal Steel - Insulated, steel overhead coiling
**Adjacencies:** Electrical
**Features:** NSR
**Furnishings:** NSR

## STRUCTURAL

**Floor:** NSR
**Walls:** NSR
**Ceiling:** NSR
**Features:** NSR

## HVAC

**Heating:** [X] **Air Conditioning:** [ ] **Ventilation:** [X]

**Temperature:** Ventilate to 5 C (10 F) above ambient, Heating 12.8 C (55 F)
**Special Requirements:**

## PLUMBING

**Fixtures:**

**Shop Air:** [X] **Equipment Air:** [X] **Floor Drains:** [X]

**Natural Gas:** [X] **Other:** Domestic water and natural gas entrance

## FIRE PROTECTION

**System Type:** Wet Pipe Suppression/Fire Extinguishers
**Hazard Classification:** To be determined
**Detection:**
*10 lb ABC Fire Extinguisher*

## ELECTRICAL

**Telephone:** [X] **LAN:** [ ] **PA:** [ ]

**Lighting:** Fluorescent or Metal halide; *30fc*
**Special Requirements:**
**Security:**

## EQUIPMENT

**Cranes & Hoists:** Freight elevator is required to service large mechanical equipment above 9.144m (30'-0").
**Other:** Building central heating and cooling systems
**GFGI:**

## OTHER COMMENTS

This space needs forklift and truck dock access.

# *INDIVIDUAL SPACE CRITERIA DATA SHEET*

**Space:** **Hangar Floor w/ door pockets**
**Size (s.f.):** 61,000 **Occupancy:** 50 **Function:** Aircraft paint
**Size (s.m.):** 5665

## ARCHITECTURAL

**Finishes:**
**Floor:** Sealed Concrete
**Walls:** Painted CMU to 12'-0" above 0.0; Pre-finished smooth metal liner panel to roof deck.
**Ceiling:** Suspended pre-finished smooth metal liner panel
**Clear Ceiling Height:** As required for necessary clearances
**Windows:** NSR
**Doors:** Personel doors to be Hollow Metal Steel - Insulated; Hangar doors, 2 sets of horizontal sliding
**Adjacencies:** Central
**Features:** NSR
**Furnishings:** NSR

## STRUCTURAL

**Floor:** NSR
**Walls:** NSR
**Ceiling:** NSR
**Features:** NSR

## HVAC

**Heating:** [X] **Air Conditioning:** [ ] **Ventilation:** [X]

**Temperature:** Ventilate, Heating: 20 C (68 F) paint, 30 C (86 F) / 30% RH (min) cure mode
**Special Requirements:** Maintain space negative pressure

## PLUMBING

**Fixtures:** *Emergency eyewash/shower*

**Shop Air:** [X] **Equipment Air:** [ ] **Floor Drains:** [X]

**Natural Gas:** [ ] **Other:** Industrial waste, breathing air, trench drains

## FIRE PROTECTION

**System Type:** Wet Pipe Suppression
**Hazard Classification:** To be determined
**Detection:**
*10 lb ABC Fire Extinguisher*

## ELECTRICAL

**Telephone:** [X] **LAN:** [ ] **PA:** [X]

**Lighting:** Metal halide; *75fc*
**Special Requirements:**
**Security:**

## EQUIPMENT

**Cranes & Hoists:** T-tail crane, teleplatforms, tail work stands (if required)
**Other:** Fall protection systems
**GFGI:**

## OTHER COMMENTS

Hangar Doors - Exterior- Horizontal Rolling with Pre-finished insulated metal panels on exterior face
Hangar Doors - Interior- Horizontal Rolling designed for uniform air flow from plenum
Cold water, hot water, hot water/soap, acid etching, alodine systems, steam cleaning system, paint system.

# INDIVIDUAL SPACE CRITERIA DATA SHEET

**Space:** *Respirator Cleaning Room*
**Size (s.f.):** *215* **Occupancy:** *10* **Function:**
**Size (s.m.):** *20*

## ARCHITECTURAL

**Finishes:**
**Floor:** *Sealed Concrete*
**Walls:** *Painted CMU*
**Ceiling:** *Suspended Gypsum Board*
**Clear Ceiling Height:** *3.657m (12'-0")*
**Windows:** *NSR*
**Doors:** *Hollow Metal Steel*
**Adjacencies:** *Central*
**Features:** *NSR*
**Furnishings:** *NSR*

## STRUCTURAL

**Floor:** *NSR*
**Walls:** *NSR*
**Ceiling:** *NSR*
**Features:** *NSR*

## HVAC

**Heating:** [X] **Air Conditioning:** [X] **Ventilation:** [X]

**Temperature:** *Cooling 23.8 C (75 F), Heating 21.1 C (70 F)*
**Special Requirements:**

## PLUMBING

**Fixtures:** *Sink, respirator washer/dryers, emergency eyewash*

**Shop Air:** [ ] **Equipment Air:** [ ] **Floor Drains:** [X]

**Natural Gas:** [ ] **Other:** *Industrial waste*

## FIRE PROTECTION

**System Type:** *Wet Pipe Suppression/Fire Extinguishers*
**Hazard Classification:** *To be determined*
**Detection:**
*10 lb ABC Fire Extinguisher*

## ELECTRICAL

**Telephone:** [X] **LAN:** [ ] **PA:** [X]

**Lighting:** *Flourescent; 50fc*
**Special Requirements:**
**Security:**

## EQUIPMENT

**Cranes & Hoists:**
**Other:**
**GFGI:**

## OTHER COMMENTS

*Area for up to 10 people to be cleaning respirators at a time.*

# *INDIVIDUAL SPACE CRITERIA DATA SHEET*

**Space:** **Stencil Room**
**Size (s.f.):** 540 **Occupancy:** **Function:**
**Size (s.m.):** 50

## ARCHITECTURAL

**Finishes:**
**Floor:** Vinyl Composition Tile
**Walls:** Painted CMU/ Gypsum Board
**Ceiling:** 2x4 Suspended Acoustical Ceiling Tile
**Clear Ceiling Height:** 3.05m (10'-0")
**Windows:** NSR
**Doors:** Hollow Metal Steel
**Adjacencies:** Centrall located if possible
**Features:** NSR
**Furnishings:** NSR

## STRUCTURAL

**Floor:** NSR
**Walls:** NSR
**Ceiling:** NSR
**Features:** NSR

## HVAC

**Heating:** [X] **Air Conditioning:** [X] **Ventilation:** [ ]

**Temperature:** Cooling 23.8 C (75 F), Heating 21.1 C (70 F)
**Special Requirements:**

## PLUMBING

**Fixtures:**

**Shop Air:** [ ] **Equipment Air:** [ ] **Floor Drains:** [ ]

**Natural Gas:** [ ] **Other:**

## FIRE PROTECTION

**System Type:** Wet Pipe Suppression/Fire Extinguishers
**Hazard Classification:** To be determined
**Detection:**
*10* lb ABC Fire Extinguisher

## ELECTRICAL

**Telephone:** [X] **LAN:** [X] **PA:** [X]

**Lighting:** Flourescent; *80fc plus task lighting at each work station*
**Special Requirements:**
**Security:**

## EQUIPMENT

**Cranes & Hoists:**
**Other:**
**GFGI:**

## OTHER COMMENTS

# *INDIVIDUAL SPACE CRITERIA DATA SHEET*

**Space:** **Paint Mix Room**
**Size (s.f.):** 430 **Occupancy:** **Function:**
**Size (s.m.):** 40

## ARCHITECTURAL

**Finishes:**
**Floor:** Sealed Concrete
**Walls:** Painted CMU
**Ceiling:** Suspended Gypsum Board
**Clear Ceiling Height:** 3.657m (12'-0")
**Windows:** NSR
**Doors:** Hollow Metal Steel
**Adjacencies:** Paint Storage, Solvent Storage
**Features:** NSR
**Furnishings:** NSR

## STRUCTURAL

**Floor:** NSR
**Walls:** NSR
**Ceiling:** NSR
**Features:** NSR

## HVAC

**Heating:** [X] **Air Conditioning:** [X] **Ventilation:** [X]

**Temperature:** Cooling 27 C (80 F), Heating 20 C (68 F)
**Special Requirements:** 100% outside air, special exhaust system

## PLUMBING

**Fixtures:** Emergency eyewash/shower, Hose bibbs (2)

**Shop Air:** [ ] **Equipment Air:** [ ] **Floor Drains:** [X]

**Natural Gas:** [ ] **Other:** Industrial waste

## FIRE PROTECTION

**System Type:** Wet Pipe Suppression/Fire Extinguishers
**Hazard Classification:** To be determined
**Detection:**
*10* lb ABC Fire Extinguisher

## ELECTRICAL

**Telephone:** [X] **LAN:** [ ] **PA:** [X]

**Lighting:** Flourescent; *50fc*
**Special Requirements:**
**Security:**

## EQUIPMENT

**Cranes & Hoists:**
**Other:** Paint mixers
**GFGI:**

## OTHER COMMENTS

Spill containment shall be per NFPA. Prefer recessed floor with ramp rather than dikes at doors.

# *INDIVIDUAL SPACE CRITERIA DATA SHEET*

**Space:** **Mechanical Room**
**Size (s.f.):** *(4200) **Occupancy:** **Function:** Chillers for Process Cooling
**Size (s.m.):** *(390) *(Process Cooling Option)

## ARCHITECTURAL

**Finishes:**
**Floor:** Sealed concrete
**Walls:** Painted CMU/Gypsum Board
**Ceiling:** Exposed structure
**Clear Ceiling Height:** NSR
**Windows:** NSR
**Doors:** Hollow Metal Steel - Insulated, steel overhead coiling
**Adjacencies:** Electrical
**Features:** NSR
**Furnishings:** NSR

## STRUCTURAL

**Floor:** NSR
**Walls:** NSR
**Ceiling:** NSR
**Features:** NSR

## HVAC

**Heating:** [X] **Air Conditioning:** [ ] **Ventilation:** [X]

**Temperature:** Ventilate to 5 C (10 F) above ambient, Heating 12.8 C (55 F)
**Special Requirements:**

## PLUMBING

**Fixtures:**

**Shop Air:** [X] **Equipment Air:** [X] **Floor Drains:** [X]

**Natural Gas:** [X] **Other:** Domestic water and natural gas entrance

## FIRE PROTECTION

**System Type:** Wet Pipe Suppression/Fire Extinguishers
**Hazard Classification:** To be determined
**Detection:**
*10 lb ABC Fire Extinguisher*

## ELECTRICAL

**Telephone:** [X] **LAN:** [ ] **PA:** [ ]

**Lighting:** Fluorescent or Metal halide; *30fc*
**Special Requirements:**
**Security:**

## EQUIPMENT

**Cranes & Hoists:**
**Other:**
**GFGI:**

## OTHER COMMENTS

# *INDIVIDUAL SPACE CRITERIA DATA SHEET*

**Space:** **Mechanical Room**
**Size (s.f.):** 900 *(3150) **Occupancy:** **Function:** Boilers for mechanical system
**Size (s.m.):** *85 *(290)* *(Process Cooling Option)

## ARCHITECTURAL

**Finishes:**
**Floor:** Sealed concrete
**Walls:** Painted CMU/Gypsum Board
**Ceiling:** Exposed structure
**Clear Ceiling Height:** NSR
**Windows:** NSR
**Doors:** Hollow Metal Steel - Insulated, steel overhead coiling
**Adjacencies:** Electrical
**Features:** NSR
**Furnishings:** NSR

## STRUCTURAL

**Floor:** NSR
**Walls:** NSR
**Ceiling:** NSR
**Features:** NSR

## HVAC

**Heating:** [X] **Air Conditioning:** [ ] **Ventilation:** [X]

**Temperature:** Ventilate to 5 C (10 F) above ambient, Heating 12.8 C (55 F)
**Special Requirements:**

## PLUMBING

**Fixtures:**

**Shop Air:** [X] **Equipment Air:** [X] **Floor Drains:** [X]

**Natural Gas:** [X] **Other:** Domestic water and natural gas entrance

## FIRE PROTECTION

**System Type:** Wet Pipe Suppression/Fire Extinguishers
**Hazard Classification:** To be determined
**Detection:**
*10 lb ABC Fire Extinguisher*

## ELECTRICAL

**Telephone:** [X] **LAN:** [ ] **PA:** [ ]

**Lighting:** Fluorescent or Metal halide
**Special Requirements:**
**Security:**

## EQUIPMENT

**Cranes & Hoists:**
**Other:**
**GFGI:**

## OTHER COMMENTS

# *INDIVIDUAL SPACE CRITERIA DATA SHEET*

**Space:** **Restrooms-Dressing Rooms**
**Size (s.f.):** 2260 **Occupancy:** 50 **Function:**
**Size (s.m.):** 210

## ARCHITECTURAL

**Finishes:**
**Floor:** Ceramic Tile
**Walls:** Ceranic tile wainscot to 1524mm (5'-0"); painted gypsum board or CMU
**Ceiling:** Suspended Gypsum Board, painted
**Clear Ceiling Height:** 2.7 m (9' 0")
**Windows:** NSR
**Doors:** Hollow Metal Steel
**Adjacencies:** Central
**Features:** Clean and contaminated locker areas
**Furnishings:** Equal number metal lockers in clean and contaminated locker areas.

## STRUCTURAL

**Floor:** NSR
**Walls:** NSR
**Ceiling:** NSR
**Features:** NSR

## HVAC

**Heating:** X **Air Conditioning:** X **Ventilation:**

**Temperature:** Cooling 23.8 C (75 F), Heating 21.1 C (70 F)
**Special Requirements:** Exhaust system

## PLUMBING

**Fixtures:** Toilets, urinals, showers, lavatories, mop sink (Janitor Closet)

**Shop Air:** **Equipment Air:** **Floor Drains:** X

**Natural Gas:** **Other:**

## FIRE PROTECTION

**System Type:** Wet Pipe Suppression
**Hazard Classification:** To be determined
**Detection:**

## ELECTRICAL

**Telephone:** - **LAN:** - **PA:**

**Lighting:** Flourescent
**Special Requirements:**
**Security:**

## EQUIPMENT

**Cranes & Hoists:**
**Other:**
**GFGI:**

## OTHER COMMENTS

Stainless Steel toilet accessories, floor mounted toilet partitions, wash basins rather than sinks
Toilets shall be accessable from the clean areas.

# *INDIVIDUAL SPACE CRITERIA DATA SHEET*

**Space:** **Issue Rooms-Pharmacy**
**Size (s.f.):** 1290 **Occupancy:** 2 **Function:** Storage-issue PPE and equipment
**Size (s.m.):** 120

## ARCHITECTURAL

**Finishes:**
**Floor:** Vinyl Composition Tile
**Walls:** Painted gypsum board or CMU
**Ceiling:** 2x4 Suspended Acoustical Ceiling Tile
**Clear Ceiling Height:** 2.7 m (9' 0")
**Windows:** NSR
**Doors:** Hollow Metal Steel
**Adjacencies:** Centrally located in clean area
**Features:** NSR
**Furnishings:** NSR

## STRUCTURAL

**Floor:** NSR
**Walls:** NSR
**Ceiling:** NSR
**Features:** NSR

## HVAC

**Heating:** [X] **Air Conditioning:** [X] **Ventilation:** [ ]

**Temperature:** Cooling 23.8 C (75 F), Heating 21.1 C (70 F)
**Special Requirements:**

## PLUMBING

**Fixtures:**

**Shop Air:** [ ] **Equipment Air:** [ ] **Floor Drains:** [ ]

**Natural Gas:** [ ] **Other:**

## FIRE PROTECTION

**System Type:** Wet Pipe Suppression/Fire Extinguishers
**Hazard Classification:** To be determined
**Detection:**
*10 lb ABC Fire Extinguisher*

## ELECTRICAL

**Telephone:** [X] **LAN:** [X] CAT-6 **PA:** [X]

**Lighting:** Flourescent
**Special Requirements:**
**Security:**

## EQUIPMENT

**Cranes & Hoists:**
**Other:** Counter with shutter, adequate metal storage shelving *(see comments).*
**GFGI:**

## OTHER COMMENTS

*Shelving shall be 30.5 meters (100 linear ft) of 1.22m (4'-0") wide, 3 high (reachable by hand) for dry goods, and 9.1 meters (30 feet) for sealant kits. Each row of shelves needs to be 1066 mm (42") min. from adjacent row and accessible from both sides.*

# *INDIVIDUAL SPACE CRITERIA DATA SHEET*

**Space:** **Break Area**
**Size (s.f.):** 1080 **Occupancy:** 50 **Function:**
**Size (s.m.):** 100

## ARCHITECTURAL

**Finishes:**
**Floor:** Vinyl Compostion Tile
**Walls:** Painted gypsum board or CMU
**Ceiling:** 2x4 Suspended Acoustical Ceiling Tile
**Clear Ceiling Height:** 2.7 m (9' 0")
**Windows:** Exterior insulated
**Doors:** Hollow Metal Steel
**Adjacencies:** Centrally located in clean area
**Features:** NSR
**Furnishings:** NSR

## STRUCTURAL

**Floor:** NSR
**Walls:** NSR
**Ceiling:** NSR
**Features:** NSR

## HVAC

**Heating:** [X] **Air Conditioning:** [X] **Ventilation:** [ ]

**Temperature:** Cooling 23.8 C (75 F), Heating 21.1 C (70 F)
**Special Requirements:**

## PLUMBING

**Fixtures:** Sink, garbage disposal, utilities for ice machine, dishwasher, and (4) vending machines

**Shop Air:** [ ] **Equipment Air:** [ ] **Floor Drains:** [X]

**Natural Gas:** [ ] **Other:** Recirculation hot water system

## FIRE PROTECTION

**System Type:** Wet Pipe Suppression/Fire Extinguishers
**Hazard Classification:** To be determined
**Detection:**
*10* lb ABC Fire Extinguisher

## ELECTRICAL

**Telephone:** [X] **LAN:** [ ] **PA:** [X]

**Lighting:** Flourescent
**Special Requirements:**
**Security:**

## EQUIPMENT

**Cranes & Hoists:**
**Other:** Counter with sink and cabinets
**GFGI:** Refrigerator, diswasher, microwave, vending machines

## OTHER COMMENTS

*4

# APPENDIX D

# GEOTECHNICAL INFORMATION

**In addition see separately bound drawings for more information. Boring locations shown on site drawing.**

(Revised by Amendment No. 0004)

# Soil Boring Legend

| | Description | Soil Symbol |
|---|---|---|
| GW | Well graded gravels, gravel-sand mixtures, less than 5% passing No. 200 sieve | |
| GP | Poorly graded gravels, gravel-sand mixtures, less than 5% passing No. 200 sieve | |
| GM | Silty gravels, gravel sand mixture more than 12% passing No. 200 sieve | |
| SW | Well graded sands, gravel-sand mixtures, less than 5% passing No. 200 sieve | |
| SP | Poorly graded sands, gravelly sands, less than 5% passing No. 200 sieve | |
| SM | Silty sands, more than 12% and less than 50% passing No. 200 sieve | |
| SC | Clayey sands, more than 12% and less than 50% passing No. 200 sieve | |
| ML | Silts, sandy silts, more than 50% passing No. 200 sieve | |
| CL | Clays, sandy clays, more than 50% passing No. 200 sieve | |
| MH | Inorganic silts, more than 50% passing No. 200 sieve, highly plastic | |
| CH | Inorganic clays, more than 50% passing No. 200 sieve, highly plastic | |
| TOP | *Topsoil* | |
| ASPH | Asphalt | |
| CONC | Concrete | |
| PWR | Partially weathered rock | |
| GAB | Graded aggregate base | |
| GRAV | Gravel | |

5021 Mercer University Drive
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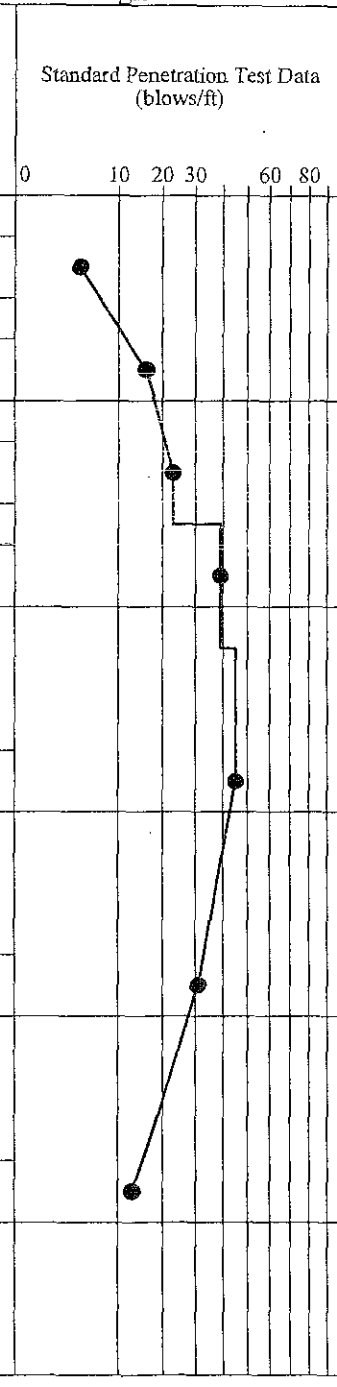
Macon, Georgia 31210-5691

# SOIL BORING RECORD



| | |
|---|---|
| Project: **Corrosion Control Depaint/Paint Facilities L.I.S. 003014/003011,** FY-03/04 | Boring No: **B-1** |
| | Project No: MCG-03-0475A |
| Location: **Robins Air Force Base, Georgia** | GS Elevation: |
| Driller/Equipment: GEC/ CME-55 2.25" HSA | Drilling Date: March 12, 2003 |
| Water Level: 22.0 ft at time of boring | Engineer/Geologist: |

| Depth ( ft) | Soil Description | Sample Type | N-Value |
|---|---|---|---|
| | **ASPHALT** Depth 3" | | |
| | **GRAVEL** Depth 7" | SS-1 | 4 |
| | **COASTAL PLAIN SEDIMENTS** very loose, brown, medium to fine, clayey **SAND (SC)**; with some silt | SS-2 | 16 |
| 5 | firm, light brown, medium to fine, clayey **SAND (SC)** | | |
| | very firm, light brown, medium to fine, clayey **SAND (SC)** | SS-3 | 23 |
| | hard, pale reddish-brown, medium to fine, sandy **CLAY (CL)** | SS-4 | 39 |
| 10 | | | |
| | dense, very pale whitish-gray, medium to fine, silty **SAND (SM)** | SS-5 | 45 |
| 15 | | | |
| | dense, very dark grayish-brown, medium to fine, silty **SAND (SM)** | SS-6 | 31 |
| 20 | | | |
| | firm, pink, coarse to fine, silty **SAND (SM)** | SS-7 | 13 |
| 25 | **BORING TERMINATED AT 25.0 ft** | | |




- Depths are measured from existing ground surface at time of drilling.
- Depths are shown to illustrate general arrangements of the strata encountered at the boring location.
- Do not use depths for determinations of quantities or distances.

NOTES:

GEOTECH MCG-03-0475A.GPJ GEC.GDT 4/21/03

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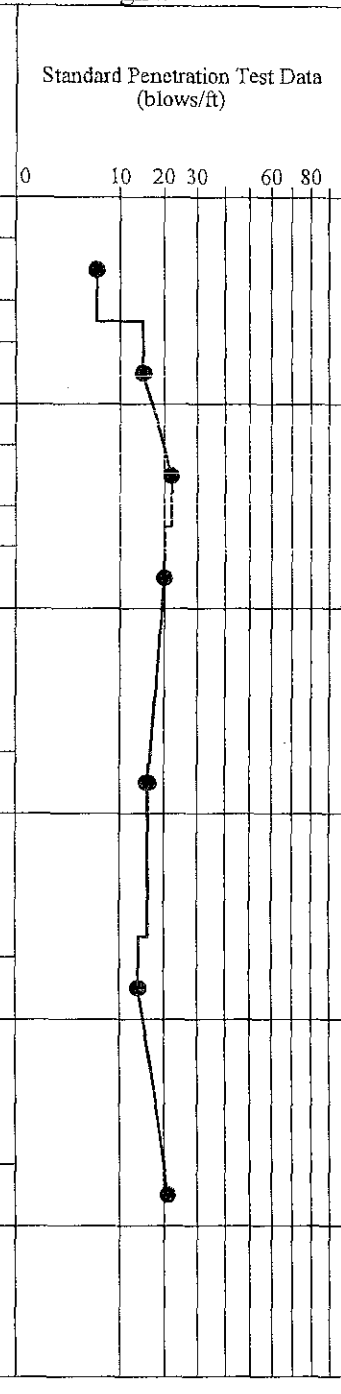
# SOIL BORING RECORD



| | |
|---|---|
| Project: **Corrosion Control Depaint/Paint Facilities L.I.S. 003014/003011, FY-03/04** | Boring No: **B-2** |
| | Project No: MCG-03-0475A |
| Location: **Robins Air Force Base, Georgia** | GS Elevation: |
| Driller/Equipment: *GEC/ CME-55 2.25" HSA* | Drilling Date: March 13, 2003 |
| Water Level: 19.0 ft at time of boring | Engineer/Geologist: |

| Water Level ( ft) | Depth ( ft) | Soil Symbol | Soil Description | Sample Type | N-Value |
|---|---|---|---|---|---|
| | | | **FILL** loose, yellowish-brown, medium to fine, clayey **SAND (SC)**; with root strands | SS-1 | 6 |
| | 5 | | **COASTAL PLAIN SEDIMENTS** firm, reddish-brown, medium to fine, clayey **SAND (SC)** | SS-2 | 15 |
| | | | very firm, light reddish-brown, medium to fine, clayey **SAND (SC)** | SS-3 | 22 |
| | 10 | | very stiff, purplish-gray, medium to fine, **CLAY (CL)** | SS-4 | 20 |
| | 15 | | very stiff, black, medium to fine, sandy **CLAY (CL)**; with some silt | SS-5 | 16 |
| ▽ | 20 | | firm, light brown, medium to fine, silty **SAND (SM)** | SS-6 | 14 |
| | | | very firm, light reddish-brown, medium to fine, silty **SAND (SM)** | SS-7 | 21 |
| | 25 | | **BORING TERMINATED AT 25.0 ft** | | |




- Depths are measured from existing ground surface at time of drilling.
- Depths are shown to illustrate general arrangements of the strata encountered at the boring location.
- Do not use depths for determinations of quantities or distances.

NOTES:

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# SOIL BORING RECORD



| | |
|---|---|
| Project: **Corrosion Control Depaint/Paint Facilities L.I.S. 003014/003011, FY-03/04** | Boring No: **B-3** |
| | Project No: MCG-03-0475A |
| Location: **Robins Air Force Base, Georgia** | GS Elevation: |
| Driller/Equipment: GEC/ CME-55 2.25" HSA | Drilling Date: March 12, 2003 |
| Water Level: 22.0 ft at time of boring | Engineer/Geologist: |

| Water Level (ft) | Depth (ft) | Soil Symbol | Soil Description | Sample Type | Standard Penetration Test Data (blows/ft) | N-Value |
|---|---|---|---|---|---|---|
| | | | **ASPHALT** Depth 3" | | | |
| | | | **GRAVEL** Depth 7" | SS-1 | | 7 |
| | | | **FILL** loose, brown, medium to fine, clayey **SAND (SC)**; with trace silt, with root strands | SS-2 | | 10 |
| | 5 | | **COASTAL PLAIN SEDIMENTS** loose, light reddish-brown, medium to fine, clayey **SAND (SC)** | | | |
| | | | firm, light grayish-brown, medium to fine, clayey **SAND (SC)** | SS-3 | | 13 |
| | | | | SS-4 | | 17 |
| | 10 | | | | | |
| | | | very dense, light brownish-gray, medium to fine, silty **SAND (SM)**; indurated sand | SS-5 | >> | 50/5 |
| | 15 | | | | | |
| | | | very loose, gray, medium to fine, clayey **SAND (SC)** | SS-6 | | 4 |
| | 20 | | | | | |
| ▽ | | | firm, pale gray, medium to fine, silty **SAND (SM)** | SS-7 | | 11 |
| | 25 | | **BORING TERMINATED AT 25.0 ft** | | | |

Standard Penetration Test Data (blows/ft): 0, 10, 20, 30, 60, 80

- Depths are measured from existing ground surface at time of drilling.
- Depths are shown to illustrate general arrangements of the strata encountered at the boring location.
- Do not use depths for determinations of quantities or distances.

NOTES:

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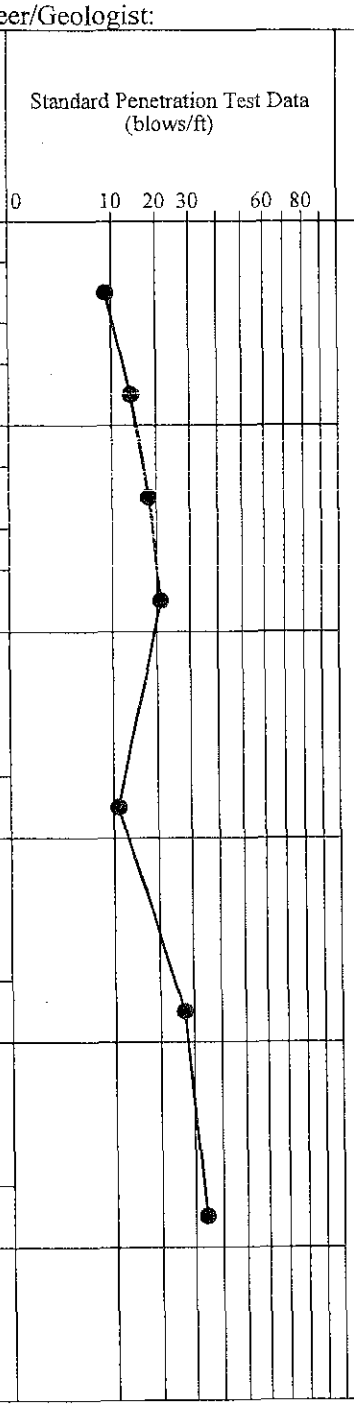
# SOIL BORING RECORD



| | |
|---|---|
| Project: **Corrosion Control Depaint/Paint Facilities L.I.S. 003014/003011,** FY-03/04 | Boring No: **B-4** |
| | Project No: MCG-03-0475A |
| Location: **Robins Air Force Base, Georgia** | GS Elevation: |
| Driller/Equipment: GEC/ CME-55 2.25" HSA | Drilling Date: March 13, 2003 |
| Water Level: 22.0 ft at time of boring | Engineer/Geologist: |

| Depth (ft) | Soil Description | Sample Type | N-Value |
|---|---|---|---|
| | **FILL** loose, reddish-brown, medium to fine, clayey **SAND (SC)**; with some silt | SS-1 | 9 |
| | firm, reddish-brown, medium to fine, silty **SAND (SM)** | SS-2 | 14 |
| 5 | | SS-3 | 18 |
| | **COASTAL PLAIN SEDIMENTS** very firm, reddish-gray, medium to fine, clayey **SAND (SC)** | SS-4 | 21 |
| 10 | | | |
| | firm, reddish-gray, medium to fine, clayey **SAND (SC)** | SS-5 | 11 |
| 15 | | | |
| | very firm, light brown, medium to fine, **SAND (SP)**; with some silt | SS-6 | 27 |
| 20 | | | |
| ▽ | dense, light gray, medium to fine, **SAND (SP)**; with some silt | SS-7 | 34 |
| 25 | **BORING TERMINATED AT 25.0 ft** | | |




- Depths are measured from existing ground surface at time of drilling.
- Depths are shown to illustrate general arrangements of the strata encountered at the boring location.
- Do not use depths for determinations of quantities or distances.

NOTES:

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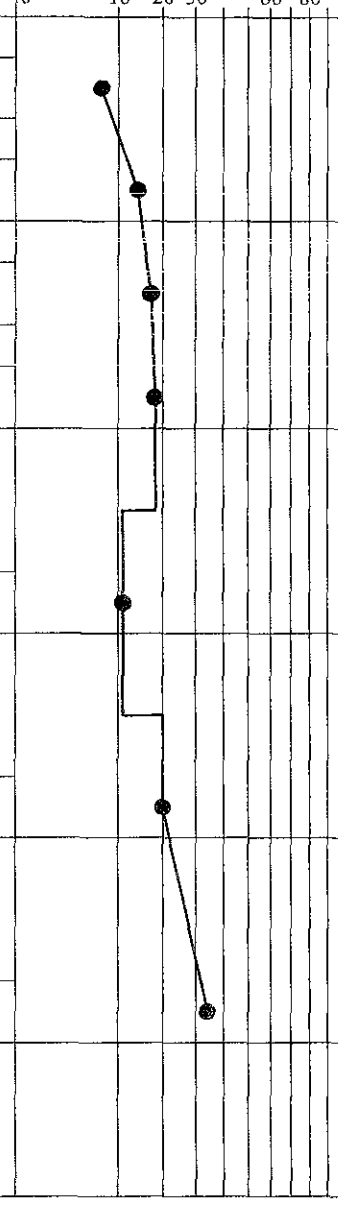
# SOIL BORING RECORD



| | |
|---|---|
| Project: **Corrosion Control Depaint/Paint Facilities L.I.S. 003014/003011, FY-03/04** | Boring No: **B-5** |
| | Project No: MCG-03-0475A |
| Location: **Robins Air Force Base, Georgia** | GS Elevation: |
| Driller/Equipment: GEC/ CME-55 2.25" HSA | Drilling Date: March 13, 2003 |
| Water Level: 19.0 ft at time of boring | Engineer/Geologist: |

| Water Level ( ft) | Depth ( ft) | Soil Description | Sample Type | N-Value |
|---|---|---|---|---|
| | | **ASPHALT** Depth 3" | | |
| | | **GRAVEL** Depth 7" | SS-1 | 7 |
| | | **FILL** loose, brown, medium to fine, clayey **SAND (SC)**; with trace gravel | SS-2 | 14 |
| | 5 | **COASTAL PLAIN SEDIMENTS** firm, grayish-brown, medium to fine, clayey **SAND (SC)**; with some silt | SS-3 | 17 |
| | | | SS-4 | 18 |
| | 10 | | | |
| | | stiff, dark gray, medium to fine, **CLAY (CL)**; with some silt | SS-5 | 11 |
| | 15 | | | |
| ▽ | | firm, very dark whitish-brown, medium to fine, **SAND (SP)**; with some silt | SS-6 | 20 |
| | 20 | | | |
| | | dense, yellowish-brown, coarse to fine, silty **SAND (SM)** | SS-7 | 34 |
| | 25 | **BORING TERMINATED AT 25.0 ft** | | |

Standard Penetration Test Data (blows/ft)




- Depths are measured from existing ground surface at time of drilling.
- Depths are shown to illustrate general arrangements of the strata encountered at the boring location.
- Do not use depths for determinations of quantities or distances.

NOTES:

GEOTECH MCG-03-0475A.GPJ GEC.GDT 4/21/03

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595 Dekalb Street, Suite E, Auburn, AL 36830

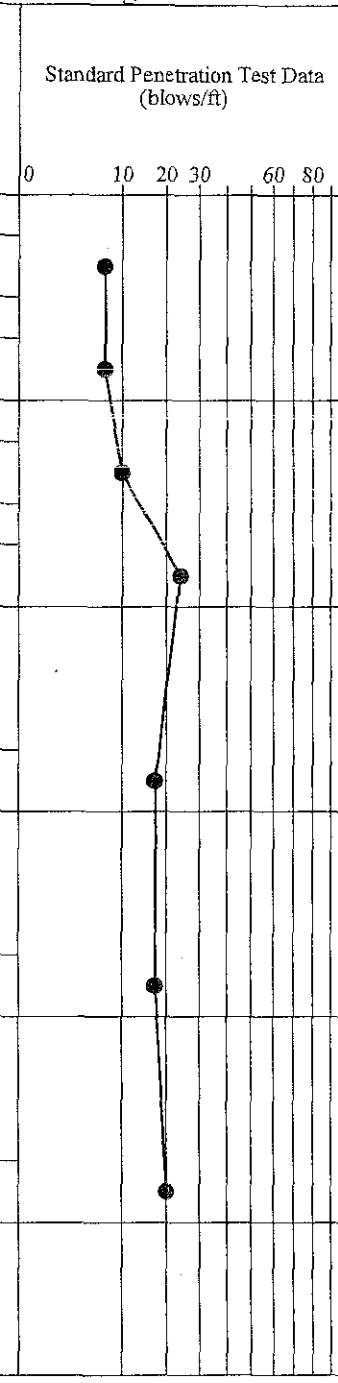
GEC
GEOTECHNICAL & ENVIRONMENTAL CONSULTANTS

# SOIL BORING RECORD



| | |
|---|---|
| Project: **Corrosion Control Depaint/Paint Facilities L.I.S. 003014/003011, FY-03/04** | Boring No: **B-6** |
| | Project No: MCG-03-0475A |
| Location: **Robins Air Force Base, Georgia** | GS Elevation: |
| Driller/Equipment: GEC/ CME-55 2.25" HSA | Drilling Date: March 13, 2003 |
| Water Level: 18.0 ft at time of boring | Engineer/Geologist: |

| Water Level (ft) | Depth (ft) | Soil Symbol | Soil Description | Sample Type | Standard Penetration Test Data (blows/ft) | N-Value |
|---|---|---|---|---|---|---|
| | | | **CONCRETE** | | | |
| | | | Depth 8" | | | |
| | | | **GRAVEL** | SS-1 | | 7 |
| | | | Depth 1' | | | |
| | | | **FILL** | | | |
| | | | firm, brown, medium to fine, clayey **SAND (SC)** | SS-2 | | 7 |
| | 5 | | **COASTAL PLAIN SEDIMENTS** | | | |
| | | | loose, reddish-brown, medium to fine, clayey **SAND (SC)**; with some silt | SS-3 | | 10 |
| | | | very firm, reddish-brown, medium to fine, silty **SAND (SM)** | SS-4 | | 24 |
| | 10 | | | | | |
| | | | firm, dark gray, medium to fine, clayey **SAND (SC)** | SS-5 | | 17 |
| | 15 | | | | | |
| ▽ | | | firm, yellowish-brown, coarse to fine, silty **SAND (SM)** | SS-6 | | 17 |
| | 20 | | | | | |
| | | | | SS-7 | | 20 |
| | 25 | | **BORING TERMINATED AT 25.0 ft** | | | |




- Depths are measured from existing ground surface at time of drilling.
- Depths are shown to illustrate general arrangements of the strata encountered at the boring location.
- Do not use depths for determinations of quantities or distances.

NOTES:

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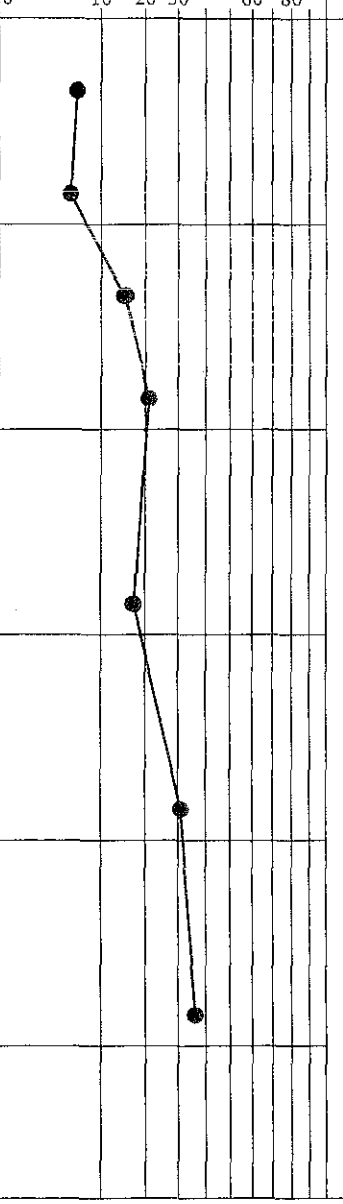
# SOIL BORING RECORD



| | |
|---|---|
| Project: **Corrosion Control Depaint/Paint Facilities L.I.S. 003014/003011, FY-03/04** | Boring No: **B-7** |
| | Project No: MCG-03-0475A |
| Location: **Robins Air Force Base, Georgia** | GS Elevation: |
| Driller/Equipment: GEC/ CME-55 2.25" HSA | Drilling Date: March 13, 2003 |
| Water Level: --- | Engineer/Geologist: |

| Depth (ft) | Soil Description | Sample Type | N-Value |
|---|---|---|---|
| | **FILL** | | |
| | loose, brown, medium to fine, silty **SAND (SM)** | SS-1 | 6 |
| | | SS-2 | 5 |
| 5 | | | |
| | ***COASTAL PLAIN SEDIMENTS*** | | |
| | firm, grayish-brown, medium to fine, clayey **SAND (SC)** | SS-3 | 15 |
| | very firm, grayish-brown, medium to fine, clayey **SAND (SC)** | SS-4 | 21 |
| 10 | | | |
| | firm, light gray, coarse to fine, silty **SAND (SM)** | SS-5 | 17 |
| 15 | | | |
| | dense, reddish-brown, medium to fine, silty **SAND (SM)** | SS-6 | 31 |
| 20 | | | |
| | | SS-7 | 36 |
| 25 | ***BORING TERMINATED AT 25.0 ft*** | | |

Standard Penetration Test Data (blows/ft)




- Depths are measured from existing ground surface at time of drilling.
- Depths are shown to illustrate general arrangements of the strata encountered at the boring location.
- Do not use depths for determinations of quantities or distances.

NOTES: No groundwater encountered at time of drilling

GEOTECH MCG-03-0475A.GPJ GEC.GDT 4/21/03

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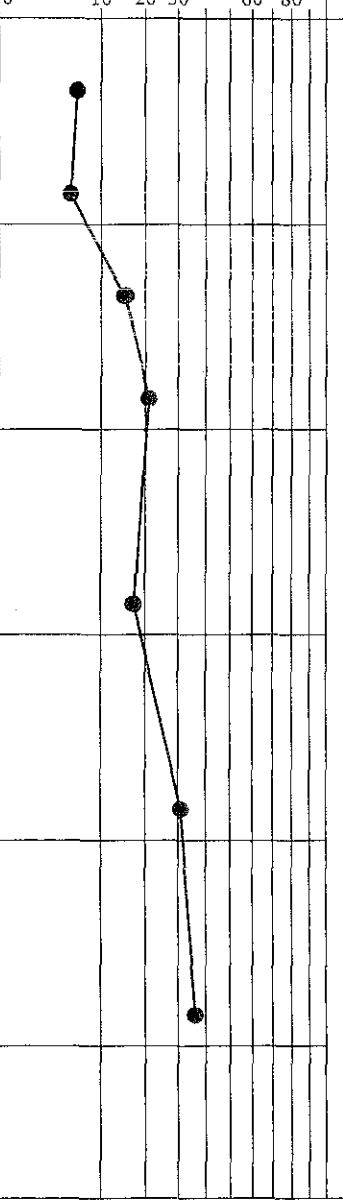
# SOIL BORING RECORD



| | |
|---|---|
| Project: **Corrosion Control Depaint/Paint Facilities L.I.S. 003014/003011, FY-03/04** | Boring No: **B-7** |
| | Project No: MCG-03-0475A |
| Location: **Robins Air Force Base, Georgia** | GS Elevation: |
| Driller/Equipment: GEC/ CME-55 2.25" HSA | Drilling Date: March 13, 2003 |
| Water Level: --- | Engineer/Geologist: |

| Depth (ft) | Soil Description | Sample Type | N-Value |
|---|---|---|---|
| | **FILL** | | |
| | loose, brown, medium to fine, silty **SAND (SM)** | SS-1 | 6 |
| | | SS-2 | 5 |
| 5 | | | |
| | ***COASTAL PLAIN SEDIMENTS*** | | |
| | firm, grayish-brown, medium to fine, clayey **SAND (SC)** | SS-3 | 15 |
| | very firm, grayish-brown, medium to fine, clayey **SAND (SC)** | SS-4 | 21 |
| 10 | | | |
| | firm, light gray, coarse to fine, silty **SAND (SM)** | SS-5 | 17 |
| 15 | | | |
| | dense, reddish-brown, medium to fine, silty **SAND (SM)** | SS-6 | 31 |
| 20 | | | |
| | | SS-7 | 36 |
| 25 | ***BORING TERMINATED AT 25.0 ft*** | | |

Standard Penetration Test Data (blows/ft)




- Depths are measured from existing ground surface at time of drilling.
- Depths are shown to illustrate general arrangements of the strata encountered at the boring location.
- Do not use depths for determinations of quantities or distances.

NOTES: No groundwater encountered at time of drilling

GEOTECH MCG-03-0475A.GPJ GEC.GDT 4/21/03

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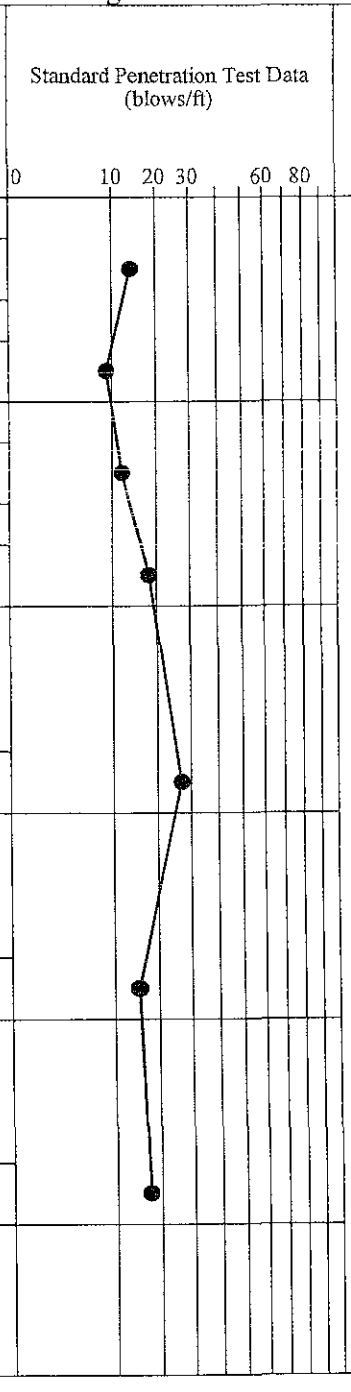
# SOIL BORING RECORD



| | |
|---|---|
| Project: **Corrosion Control Depaint/Paint Facilities L.I.S. 003014/003011,** FY-03/04 | Boring No: **B-8** |
| | Project No: MCG-03-0475A |
| Location: **Robins Air Force Base, Georgia** | GS Elevation: |
| Driller/Equipment: GEC/ CME-55 2.25" HSA | Drilling Date: March 13, 2003 |
| Water Level: 18.0 ft at time of boring | Engineer/Geologist: |

| Water Level ( ft) | Depth ( ft) | Soil Symbol | Soil Description | Sample Type | Standard Penetration Test Data (blows/ft) | N-Value |
|---|---|---|---|---|---|---|
| | | | **FILL** firm, dark brown, medium to fine, silty **SAND (SM)**; with some gravel | SS-1 | | 14 |
| | | | loose, light brown, medium to fine, clayey **SAND (SC)**; with some silt | SS-2 | | 9 |
| | 5 | | **COASTAL PLAIN SEDIMENTS** firm, gray, medium to fine, clayey **SAND (SC)**; with some silt | SS-3 | | 12 |
| | | | | SS-4 | | 18 |
| | 10 | | | | | |
| | | | very firm, gray, fine, silty **SAND (SM)** | SS-5 | | 27 |
| | 15 | | | | | |
| ▽ | | | firm, light pinkish-brown, coarse to fine, silty **SAND (SM)**; with some gravel | SS-6 | | 15 |
| | 20 | | | | | |
| | | | | SS-7 | | 17 |
| | 25 | | **BORING TERMINATED AT 25.0 ft** | | | |




- Depths are measured from existing ground surface at time of drilling.
- Depths are shown to illustrate general arrangements of the strata encountered at the boring location.
- Do not use depths for determinations of quantities or distances.

NOTES:

GEOTECH MCG-03-0475A.GPJ GEC.GDT 4/21/03

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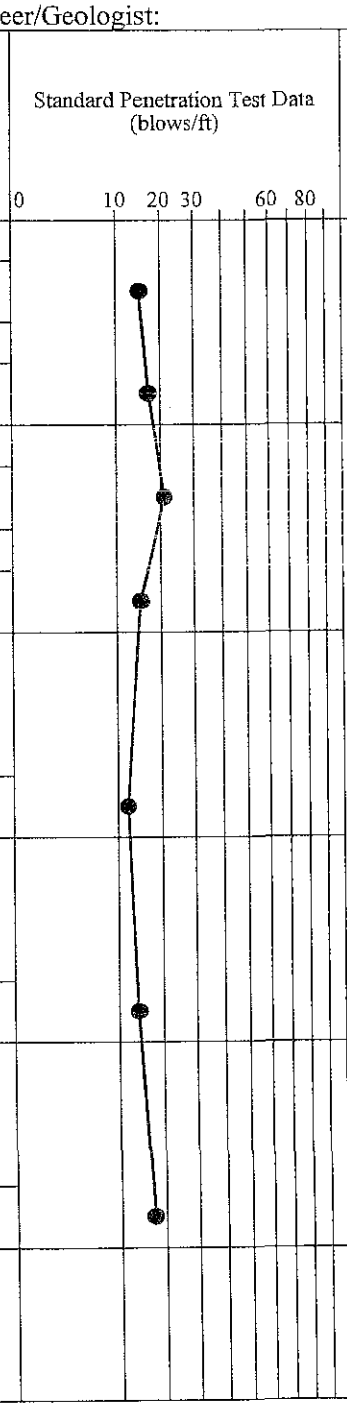
# SOIL BORING RECORD



| | |
|---|---|
| Project: **Corrosion Control Depaint/Paint Facilities L.I.S. 003014/003011,** FY-03/04 | Boring No: **B-9** |
| | Project No: MCG-03-0475A |
| Location: **Robins Air Force Base, Georgia** | GS Elevation: |
| Driller/Equipment: GEC/ CME-55 2.25" HSA | Drilling Date: March 13, 2003 |
| Water Level: 13.0 ft at time of boring | Engineer/Geologist: |

| Water Level (ft) | Depth (ft) | Soil Symbol | Soil Description | Sample Type | Standard Penetration Test Data (blows/ft) | N-Value |
|---|---|---|---|---|---|---|
| | | | **FILL** firm, grayish-brown, medium to fine, clayey **SAND (SC)**; with trace silt | SS-1 | | 15 |
| | | | | SS-2 | | 17 |
| | 5 | | very firm, reddish-brown, medium to fine, clayey **SAND (SC)**; with some silt | SS-3 | | 21 |
| | | | **COASTAL PLAIN SEDIMENTS** firm, gray, medium to fine, clayey **SAND (SC)** | SS-4 | | 15 |
| | 10 | | | | | |
| ▽ | | | firm, pale brownish-gray, coarse to fine, silty **SAND (SM)** | SS-5 | | 12 |
| | 15 | | | | | |
| | | | | SS-6 | | 14 |
| | 20 | | | | | |
| | | | | SS-7 | | 17 |
| | 25 | | **BORING TERMINATED AT 25.0 ft** | | | |




- Depths are measured from existing ground surface at time of drilling.
- Depths are shown to illustrate general arrangements of the strata encountered at the boring location.
- Do not use depths for determinations of quantities or distances.

NOTES:

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# SOIL BORING RECORD



| | |
|---|---|
| Project: **Corrosion Control Depaint/Paint Facilities L.I.S. 003014/003011, FY-03/04** | Boring No: **B-10** |
| | Project No: MCG-03-0475A |
| Location: **Robins Air Force Base, Georgia** | GS Elevation: |
| Driller/Equipment: GEC/ CME-55 2.25" HSA | Drilling Date: March 13, 2003 |
| Water Level: 17.0 ft at time of boring | Engineer/Geologist: |

Water Level (ft) | Depth (ft) | Soil Symbol | Soil Description

**ASPHALT**

Depth 3"

**GRAVEL**

Depth 6"

**FILL**

loose, light brown, medium to fine, clayey **SAND (SC)**; with some silt

firm, light brown, medium to fine, clayey **SAND (SC)**

very firm, light brown, medium to fine, clayey **SAND (SC)**

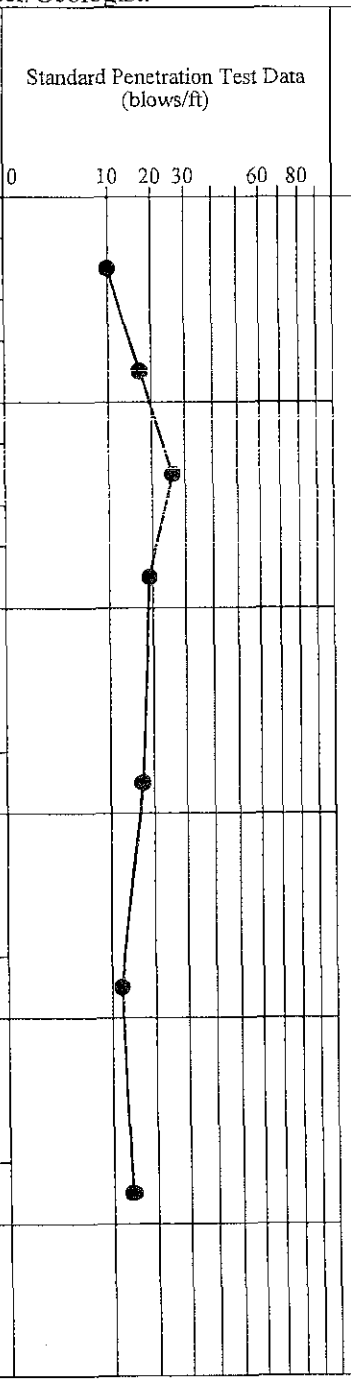
**COASTAL PLAIN SEDIMENTS**

firm, brownish-gray, coarse to fine, silty **SAND (SM)**

**BORING TERMINATED AT 25.0 ft**

Depth (ft): 5, 10, 15, 20, 25

Sample Type | Standard Penetration Test Data (blows/ft) | N-Value




| Sample Type | N-Value |
|---|---|
| SS-1 | 10 |
| SS-2 | 17 |
| SS-3 | 26 |
| SS-4 | 19 |
| SS-5 | 17 |
| SS-6 | 12 |
| SS-7 | 14 |

- Depths are measured from existing ground surface at time of drilling.
- Depths are shown to illustrate general arrangements of the strata encountered at the boring location.
- Do not use depths for determinations of quantities or distances.

NOTES:

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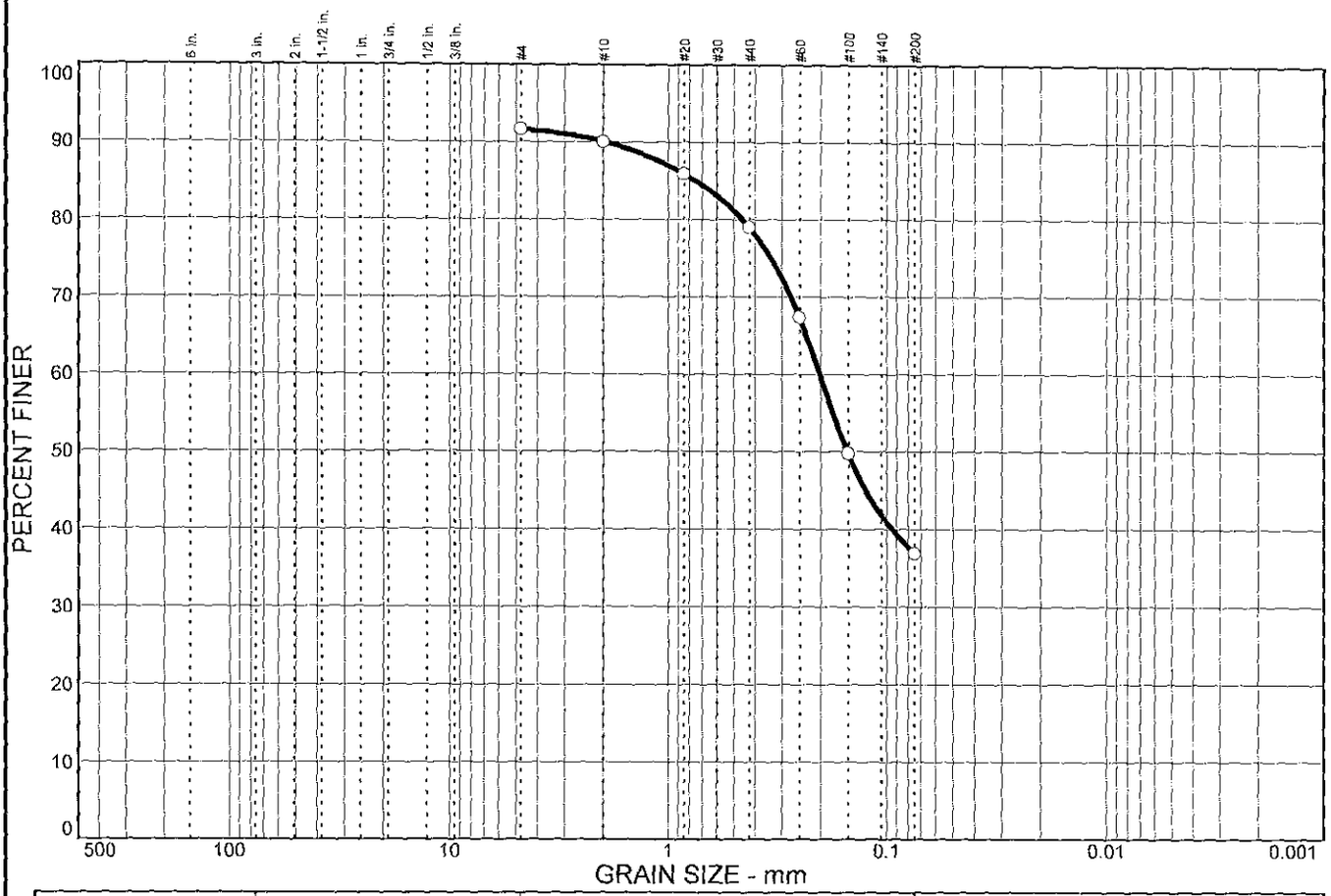
# Particle Size Distribution Report




| % COBBLES | % GRAVEL | | % SAND | | | % FINES | |
|---|---|---|---|---|---|---|---|
| | CRS. | FINE | CRS. | MEDIUM | FINE | SILT | CLAY |
| | | | 1.6 | 11.1 | 42.1 | 36.9 | |

| SIEVE SIZE | PERCENT FINER | SPEC.* PERCENT | PASS? (X=NO) |
|---|---|---|---|
| #4 | 91.7 | | |
| #10 | 90.1 | | |
| #20 | 85.9 | | |
| #40 | 79.0 | | |
| #60 | 67.4 | | |
| #100 | 49.8 | | |
| #200 | 36.9 | | |

* (no specification provided)

**Soil Description**

Brown clayey c-f SAND some silt

**Atterberg Limits**

PL= LL= PI=

**Coefficients**

$D_{85}$= 0.749 $D_{60}$= 0.202 $D_{50}$= 0.151
$D_{30}$= $D_{15}$= $D_{10}$=
$C_u$= $C_c$=

**Classification**

USCS= SC AASHTO=

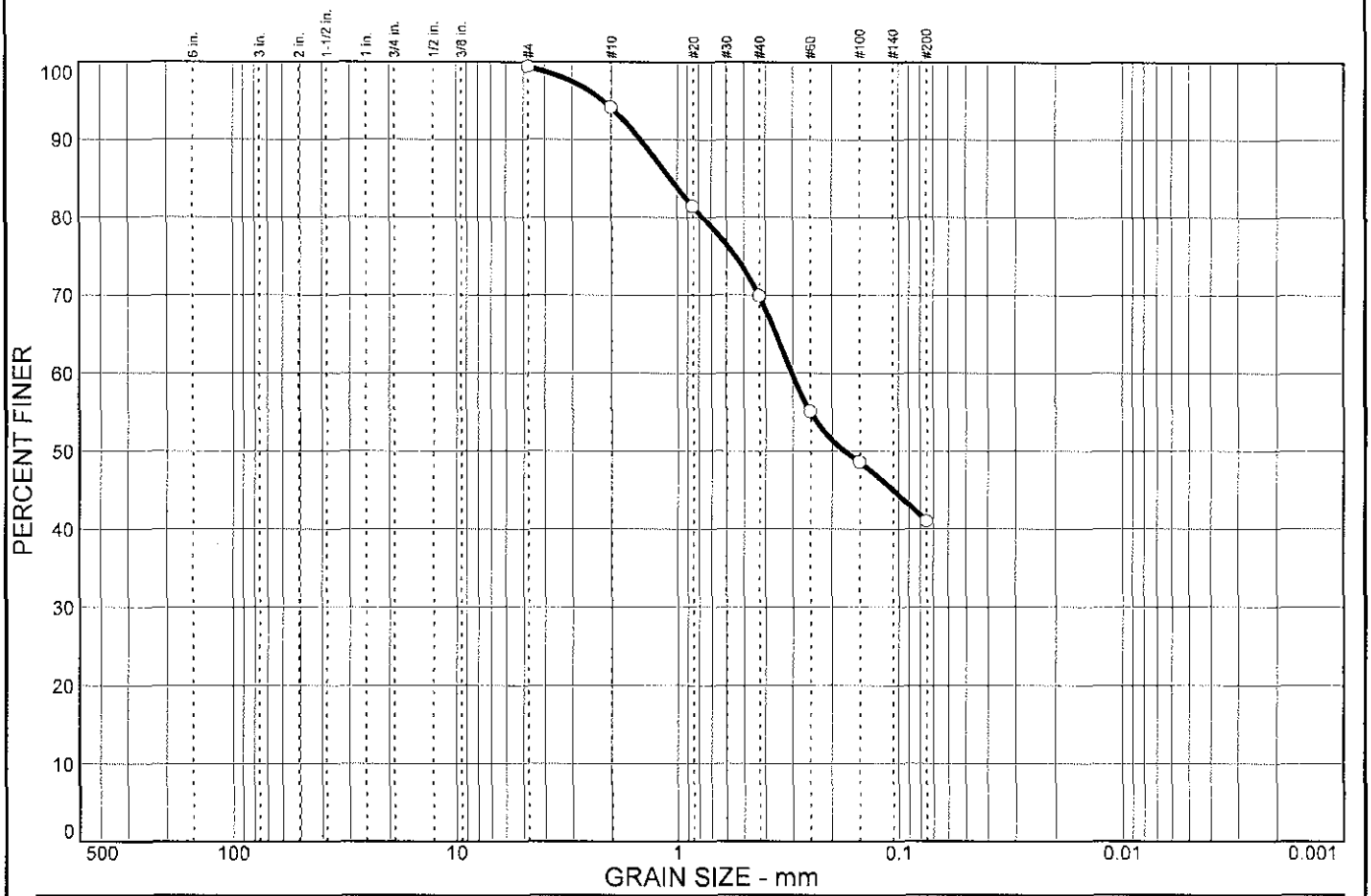
**Remarks**

**Sample No.:** B-1 **Source of Sample:** **Date:** 4-17-03
**Location:** **Elev./Depth:** 1-2.5'

**Geotechnical and Environmental Consultants**

**Client:**
**Project:** Corrosion Control Depaint/Paint Facilities L.I.S. 003014/003011, FY-03/04 Robins Air Force Base, Georgia
**Project No:** MCG-03-0475A **Plate**

# Particle Size Distribution Report




| % COBBLES | % GRAVEL | | % SAND | | | % FINES | |
|---|---|---|---|---|---|---|---|
| | CRS. | FINE | CRS. | MEDIUM | FINE | SILT | CLAY |
| | | | 5.2 | 24.3 | 28.9 | 41.0 | |

| SIEVE SIZE | PERCENT FINER | SPEC.* PERCENT | PASS? (X=NO) |
|---|---|---|---|
| #4 | 99.4 | | |
| #10 | 94.2 | | |
| #20 | 81.4 | | |
| #40 | 69.9 | | |
| #60 | 55.1 | | |
| #100 | 48.6 | | |
| #200 | 41.0 | | |

* (no specification provided)

**Soil Description**

Reddish brown clayey m-f SAND

**Atterberg Limits**

PL= LL= PI=

**Coefficients**

$D_{85}$= 1.08 $D_{60}$= 0.302 $D_{50}$= 0.175
$D_{30}$= $D_{15}$= $D_{10}$=
$C_u$= $C_c$=

**Classification**

USCS= SC AASHTO=

**Remarks**

**Sample No.:** B-2 **Source of Sample:** **Date:** 4-17-03
**Location:** **Elev./Depth:** 3.5-5'

**Geotechnical and Environmental Consultants**

**Client:**
**Project:** Corrosion Control Depaint/Paint Facilities L.I.S. 003014/003011, FY-03/04 Robins Air Force Base, Georgia
**Project No:** MCG-03-0475A **Plate**

# Particle Size Distribution Report

| % COBBLES | % GRAVEL | | % SAND | | | % FINES | |
|---|---|---|---|---|---|---|---|
| | CRS. | FINE | CRS. | MEDIUM | FINE | SILT | CLAY |
| | | | 0.9 | 14.1 | 54.7 | 29.2 | |

| SIEVE SIZE | PERCENT FINER | SPEC.* PERCENT | PASS? (X=NO) |
|---|---|---|---|
| #4 | 98.9 | | |
| #10 | 98.0 | | |
| #20 | 93.7 | | |
| #40 | 83.9 | | |
| #60 | 69.6 | | |
| #100 | 46.9 | | |
| #200 | 29.2 | | |

* (no specification provided)

**Soil Description**

Brown clayey m-f SAND trace of silt

**Atterberg Limits**

PL= LL= PI=

**Coefficients**

$D_{85}$= 0.451 $D_{60}$= 0.201 $D_{50}$= 0.162
$D_{30}$= 0.0783 $D_{15}$= $D_{10}$=
$C_u$= $C_c$=

**Classification**

USCS= SC AASHTO=

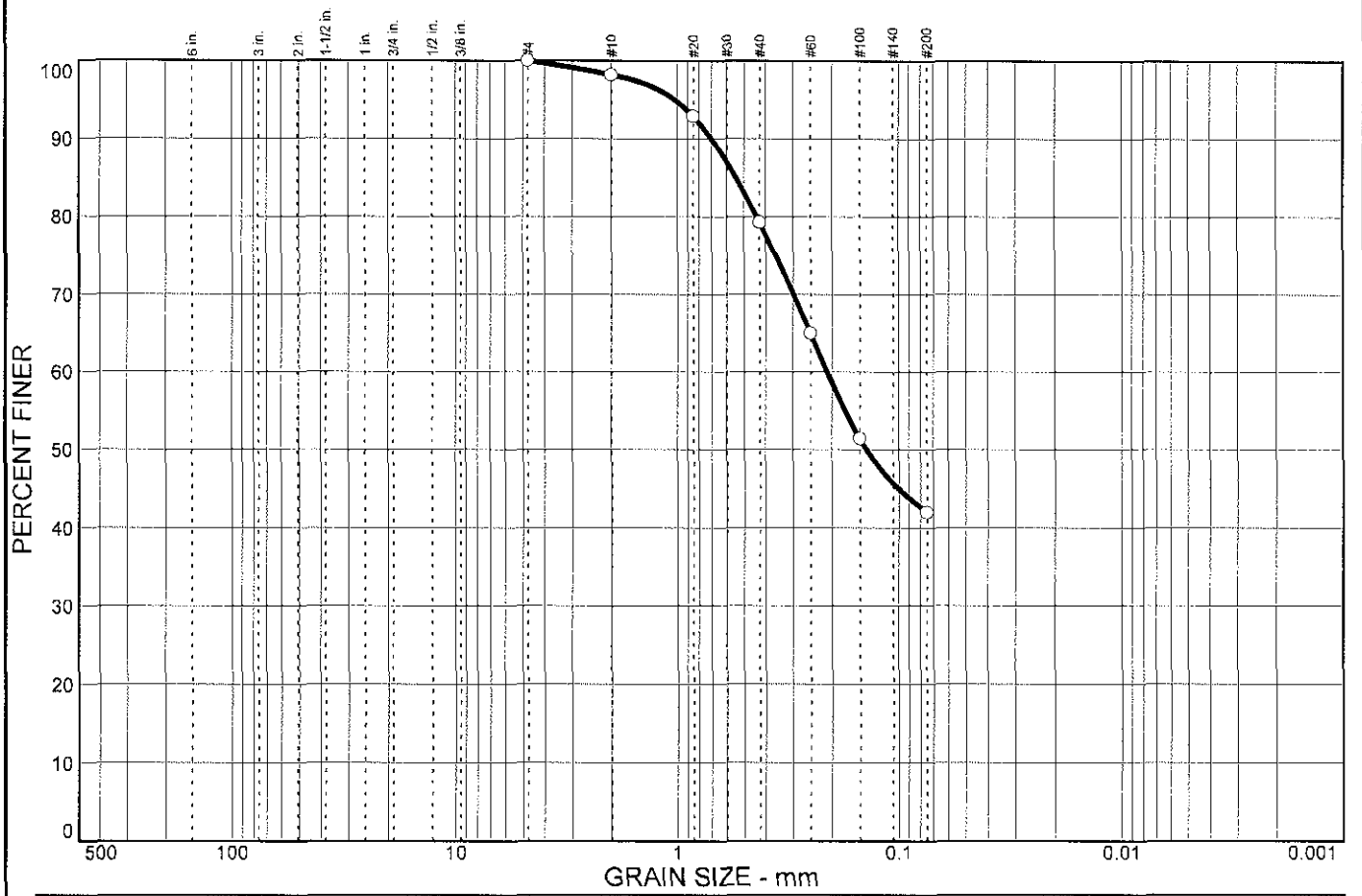
**Remarks**

**Sample No.:** B-3 **Source of Sample:** **Date:** 4-17-03
**Location:** **Elev./Depth:** 1-2.5'

**Geotechnical and Environmental Consultants**

**Client:**
**Project:** Corrosion Control Depaint/Paint Facilities L.I.S. 003014/003011, FY-03/04 Robins Air Force Base, Georgia
**Project No:** MCG-03-0475A **Plate**

# Particle Size Distribution Report




| % COBBLES | % GRAVEL | | % SAND | | | % FINES | |
|---|---|---|---|---|---|---|---|
| | CRS. | FINE | CRS. | MEDIUM | FINE | SILT | CLAY |
| 0.0 | 0.0 | 0.0 | 1.8 | 18.9 | 37.3 | 42.0 | |

| SIEVE SIZE | PERCENT FINER | SPEC.* PERCENT | PASS? (X=NO) |
|---|---|---|---|
| #4 | 100.0 | | |
| #10 | 98.2 | | |
| #20 | 92.9 | | |
| #40 | 79.3 | | |
| #60 | 65.0 | | |
| #100 | 51.4 | | |
| #200 | 42.0 | | |

* (no specification provided)

**Soil Description**

Reddish brown clayey m-f SAND some silt

**Atterberg Limits**

PL= LL= PI=

**Coefficients**

$D_{85}$= 0.543 $D_{60}$= 0.210 $D_{50}$= 0.140
$D_{30}$= $D_{15}$= $D_{10}$=
$C_u$= $C_c$=

**Classification**

USCS= SC AASHTO=

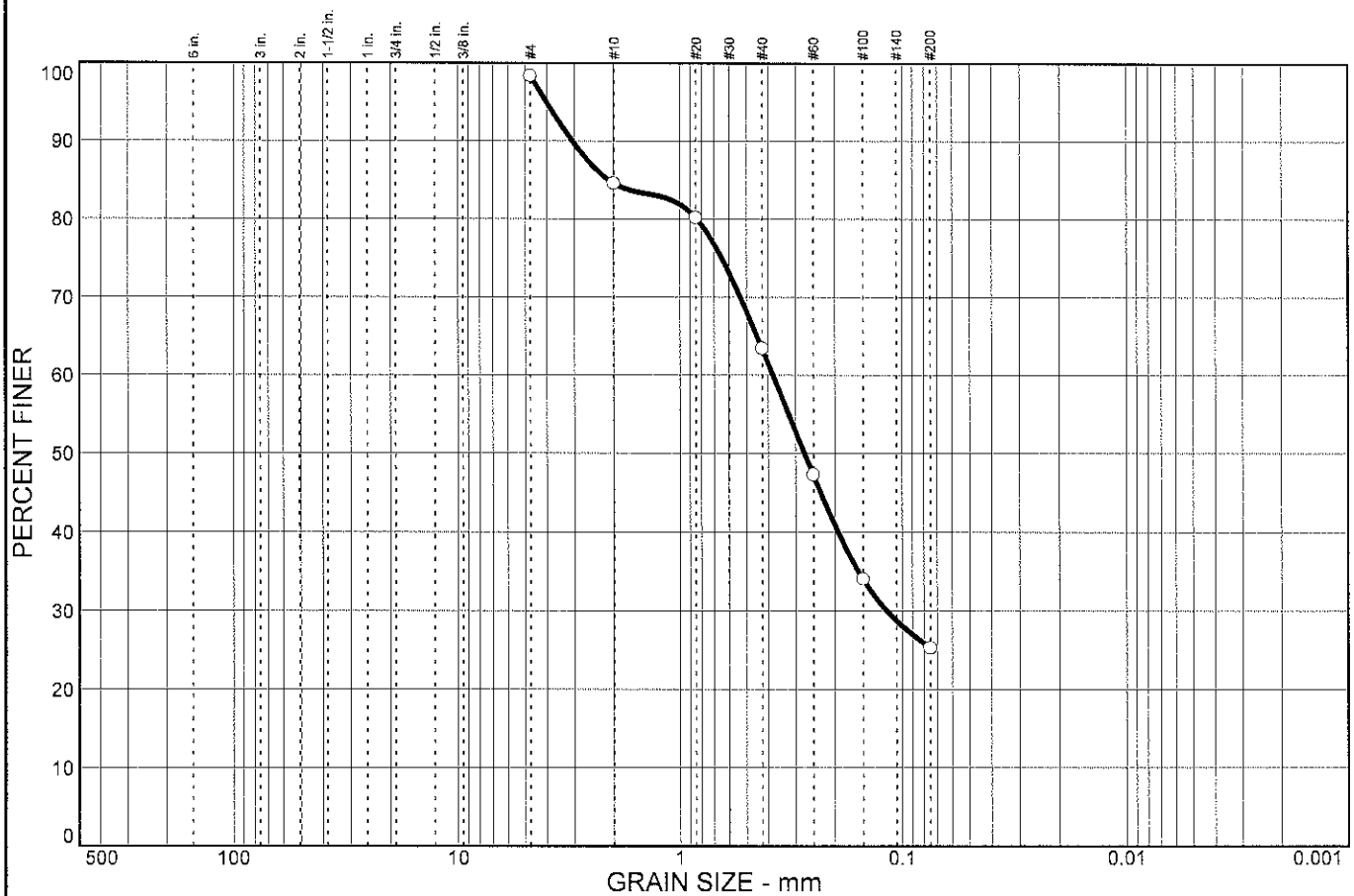
**Remarks**

**Sample No.:** B-4 **Source of Sample:** **Date:** 4-17-03
**Location:** **Elev./Depth:** 1-2.5'

**Geotechnical and Environmental Consultants**

**Client:**
**Project:** Corrosion Control Depaint/Paint Facilities L.I.S. 003014/003011, FY-03/04 Robins Air Force Base, Georgia
**Project No:** MCG-03-0475A **Plate**

# Particle Size Distribution Report




| % COBBLES | % GRAVEL | | % SAND | | | % FINES | |
|---|---|---|---|---|---|---|---|
| | CRS. | FINE | CRS. | MEDIUM | FINE | SILT | CLAY |
| | | | 13.8 | 21.2 | 38.1 | 25.3 | |

| SIEVE SIZE | PERCENT FINER | SPEC.* PERCENT | PASS? (X=NO) |
|---|---|---|---|
| #4 | 98.4 | | |
| #10 | 84.6 | | |
| #20 | 80.2 | | |
| #40 | 63.4 | | |
| #60 | 47.3 | | |
| #100 | 34.1 | | |
| #200 | 25.3 | | |

* (no specification provided)

**Soil Description**

Reddish brown silty m-f SAND

**Atterberg Limits**

PL= LL= PI=

**Coefficients**

$D_{85}$= 2.10 $D_{60}$= 0.380 $D_{50}$= 0.274
$D_{30}$= 0.117 $D_{15}$= $D_{10}$=
$C_u$= $C_c$=

**Classification**

USCS= SM AASHTO=

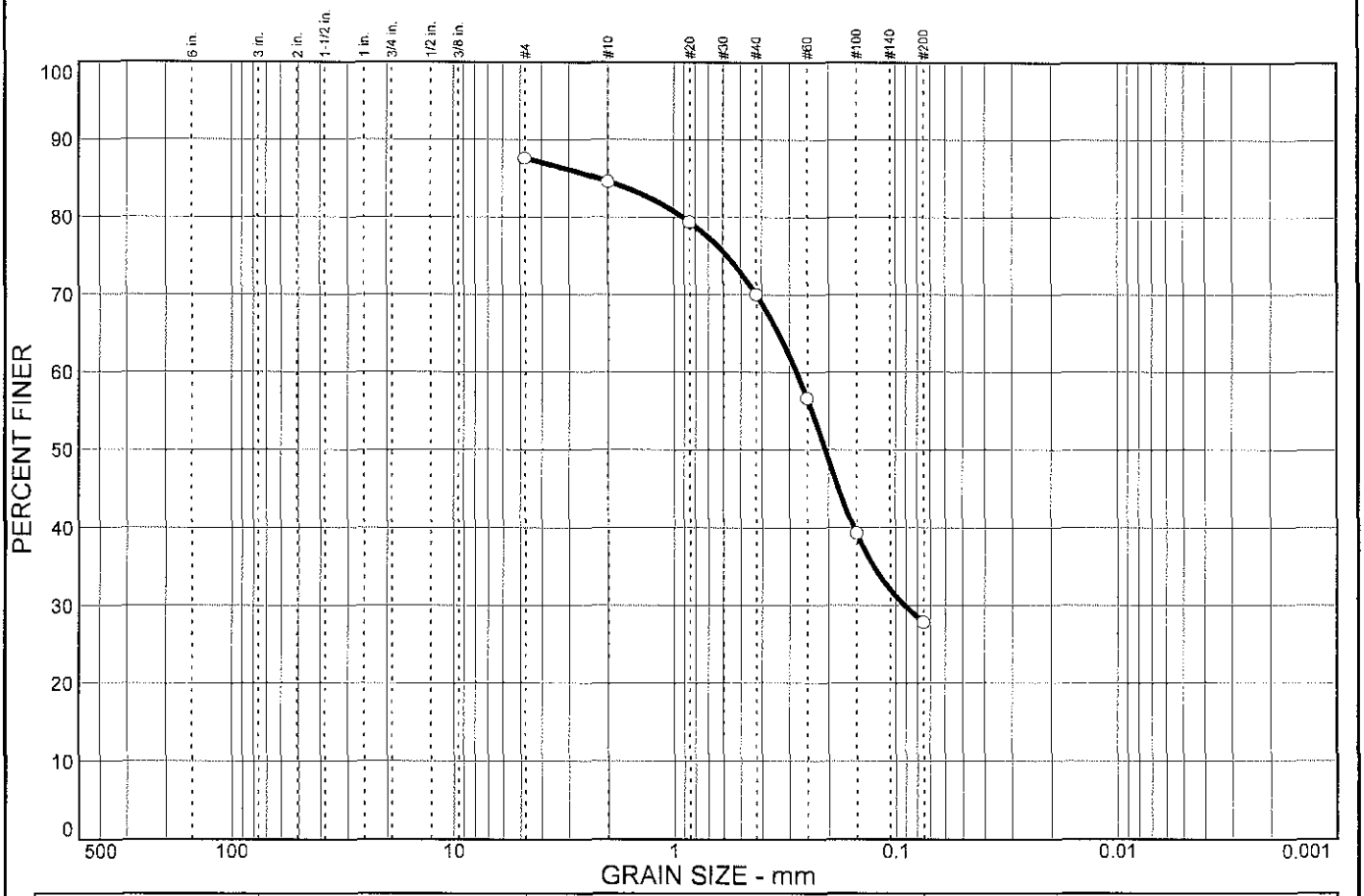
**Remarks**

**Sample No.:** B-4 **Source of Sample:** **Date:** 4-17-03
**Location:** **Elev./Depth:** 3.5-5'

**Geotechnical and Environmental Consultants**

**Client:**
**Project:** Corrosion Control Depaint/Paint Facilities L.I.S. 003014/003011, FY-03/04 Robins Air Force Base, Georgia
**Project No:** MCG-03-0475A **Plate**

# Particle Size Distribution Report




| % COBBLES | % GRAVEL | | % SAND | | | % FINES | |
|---|---|---|---|---|---|---|---|
| | CRS. | FINE | CRS. | MEDIUM | FINE | SILT | CLAY |
| | | | 3.0 | 14.6 | 42.2 | 27.8 | |

| SIEVE SIZE | PERCENT FINER | SPEC.* PERCENT | PASS? (X=NO) |
|---|---|---|---|
| #4 | 87.6 | | |
| #10 | 84.6 | | |
| #20 | 79.4 | | |
| #40 | 70.0 | | |
| #60 | 56.6 | | |
| #100 | 39.3 | | |
| #200 | 27.8 | | |

* (no specification provided)

**Soil Description**

Brown clayey m-f SAND trace of gravel

**Atterberg Limits**

PL= LL= PI=

**Coefficients**

$D_{85}$= 2.21 $D_{60}$= 0.279 $D_{50}$= 0.207
$D_{30}$= 0.0911 $D_{15}$= $D_{10}$=
$C_u$= $C_c$=

**Classification**

USCS= SC AASHTO=

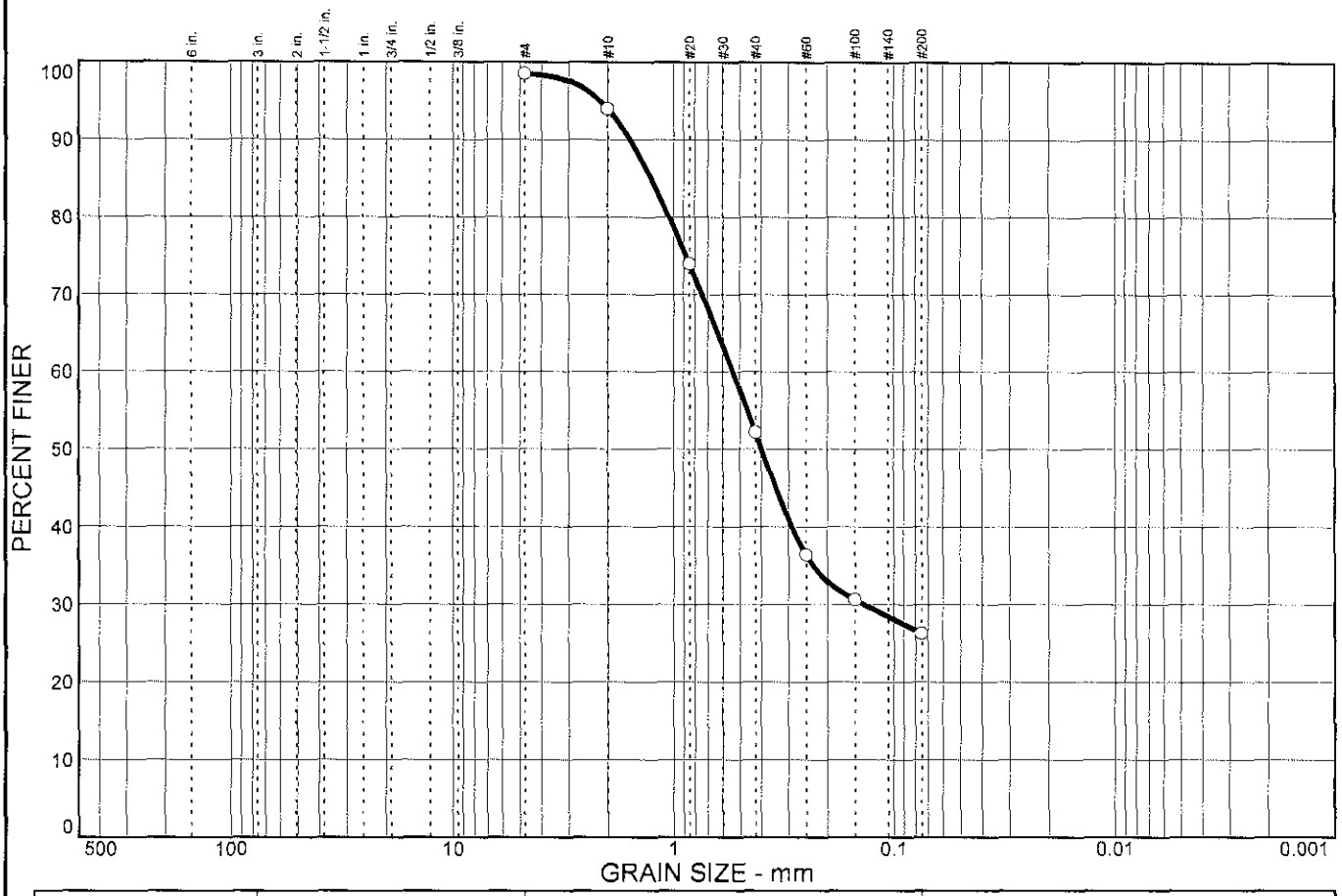
**Remarks**

**Sample No.:** B-5 **Source of Sample:** **Date:** 4-17-03
**Location:** **Elev./Depth:** 1-2.5'

**Geotechnical and Environmental Consultants**

**Client:**
**Project:** Corrosion Control Depaint/Paint Facilities L.I.S. 003014/003011, FY-03/04 Robins Air Force Base, Georgia
**Project No:** MCG-03-0475A **Plate**

# Particle Size Distribution Report




| % COBBLES | % GRAVEL | | % SAND | | | % FINES | |
|---|---|---|---|---|---|---|---|
| | CRS. | FINE | CRS. | MEDIUM | FINE | SILT | CLAY |
| | | | 4.5 | 41.8 | 25.9 | 26.3 | |

| SIEVE SIZE | PERCENT FINER | SPEC.* PERCENT | PASS? (X=NO) |
|---|---|---|---|
| #4 | 98.5 | | |
| #10 | 94.0 | | |
| #20 | 74.0 | | |
| #40 | 52.2 | | |
| #60 | 36.4 | | |
| #100 | 30.6 | | |
| #200 | 26.3 | | |

* (no specification provided)

**Soil Description**

Brown clayey m-f SAND

**Atterberg Limits**

PL= LL= PI=

**Coefficients**

$D_{85}$= 1.27 $D_{60}$= 0.539 $D_{50}$= 0.398
$D_{30}$= 0.137 $D_{15}$= $D_{10}$=
$C_u$= $C_c$=

**Classification**

USCS= SC AASHTO=

**Remarks**

**Sample No.:** B-6 **Source of Sample:** **Date:** 4-17-03
**Location:** **Elev./Depth:** 1-2.5'

**Geotechnical and Environmental Consultants**

**Client:**
**Project:** Corrosion Control Depaint/Paint Facilities L.I.S. 003014/003011, FY-03/04 Robins Air Force Base, Georgia
**Project No:** MCG-03-0476A **Plate**

# Particle Size Distribution Report

| % COBBLES | % GRAVEL | | % SAND | | | % FINES | |
|---|---|---|---|---|---|---|---|
| | CRS. | FINE | CRS. | MEDIUM | FINE | SILT | CLAY |
| | | | 0.9 | 16.6 | 49.2 | 32.9 | |

| SIEVE SIZE | PERCENT FINER | SPEC.* PERCENT | PASS? (X=NO) |
|---|---|---|---|
| #4 | 99.6 | | |
| #10 | 98.7 | | |
| #20 | 94.4 | | |
| #40 | 82.1 | | |
| #60 | 65.7 | | |
| #100 | 46.6 | | |
| #200 | 32.9 | | |

* (no specification provided)

**Soil Description**

Red brown clayey m-f SAND some silt

**Atterberg Limits**

PL= LL= PI=

**Coefficients**

$D_{85}$= 0.481 $D_{60}$= 0.216 $D_{50}$= 0.166
$D_{30}$= $D_{15}$= $D_{10}$=
$C_u$= $C_c$=

**Classification**

USCS= SC AASHTO=

**Remarks**

**Sample No.:** B-6 **Source of Sample:** **Date:** 4-17-03
**Location:** **Elev./Depth:** 3.5-5'

**Geotechnical and Environmental Consultants**

**Client:**
**Project:** Corrosion Control Depaint/Paint Facilities L.I.S. 003014/003011, FY-03/04 Robins Air Force Base, Georgia
**Project No:** MCG-03-0476A **Plate**

# Particle Size Distribution Report

| % COBBLES | % GRAVEL | | % SAND | | | % FINES | |
|---|---|---|---|---|---|---|---|
| | CRS. | FINE | CRS. | MEDIUM | FINE | SILT | CLAY |
| | | | 0.9 | 16.6 | 49.2 | 32.9 | |

| SIEVE SIZE | PERCENT FINER | SPEC.* PERCENT | PASS? (X=NO) |
|---|---|---|---|
| #4 | 99.6 | | |
| #10 | 98.7 | | |
| #20 | 94.4 | | |
| #40 | 82.1 | | |
| #60 | 65.7 | | |
| #100 | 46.6 | | |
| #200 | 32.9 | | |

* (no specification provided)

**Soil Description**

Red brown clayey m-f SAND some silt

**Atterberg Limits**

PL= LL= PI=

**Coefficients**

$D_{85}$= 0.481 $D_{60}$= 0.216 $D_{50}$= 0.166
$D_{30}$= $D_{15}$= $D_{10}$=
$C_u$= $C_c$=

**Classification**

USCS= SC AASHTO=

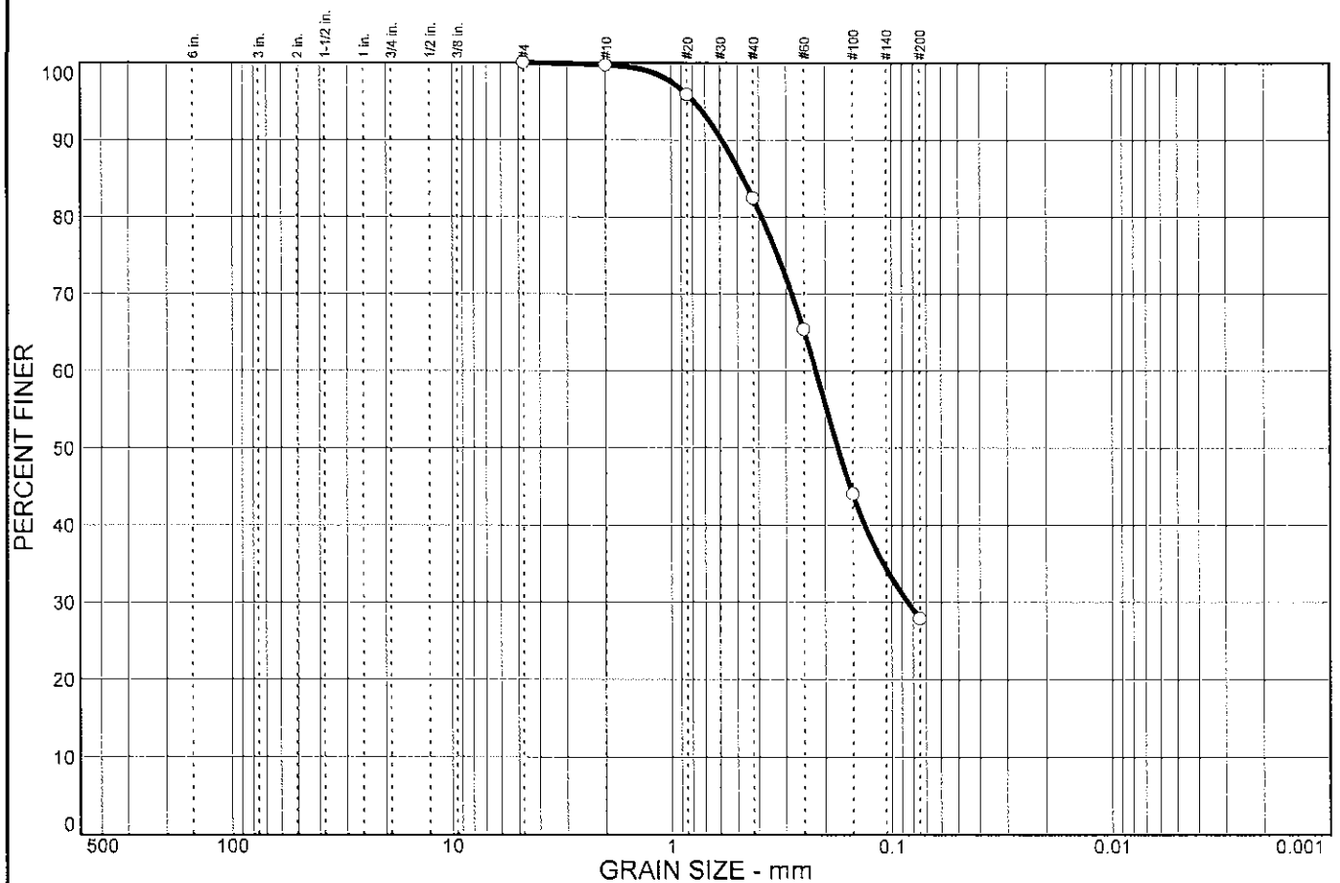
**Remarks**

**Sample No.:** B-6 **Source of Sample:** **Date:** 4-17-03
**Location:** **Elev./Depth:** 3.5-5'

**Geotechnical and Environmental Consultants**

**Client:**
**Project:** Corrosion Control Depaint/Paint Facilities L.I.S. 003014/003011, FY-03/04 Robins Air Force Base, Georgia
**Project No:** MCG-03-0476A **Plate**

# Particle Size Distribution Report




| % COBBLES | % GRAVEL | | % SAND | | | % FINES | |
|---|---|---|---|---|---|---|---|
| | CRS. | FINE | CRS. | MEDIUM | FINE | SILT | CLAY |
| 0.0 | 0.0 | 0.0 | 0.3 | 17.3 | 54.5 | 27.9 | |

| SIEVE SIZE | PERCENT FINER | SPEC.* PERCENT | PASS? (X=NO) |
|---|---|---|---|
| #4 | 100.0 | | |
| #10 | 99.7 | | |
| #20 | 95.9 | | |
| #40 | 82.4 | | |
| #60 | 65.3 | | |
| #100 | 44.1 | | |
| #200 | 27.9 | | |

* (no specification provided)

**Soil Description**

Brown silty m-f SAND

**Atterberg Limits**

PL= LL= PI=

**Coefficients**

$D_{85}$= 0.471 $D_{60}$= 0.220 $D_{50}$= 0.175
$D_{30}$= 0.0846 $D_{15}$= $D_{10}$=
$C_u$= $C_c$=

**Classification**

USCS= SM AASHTO=

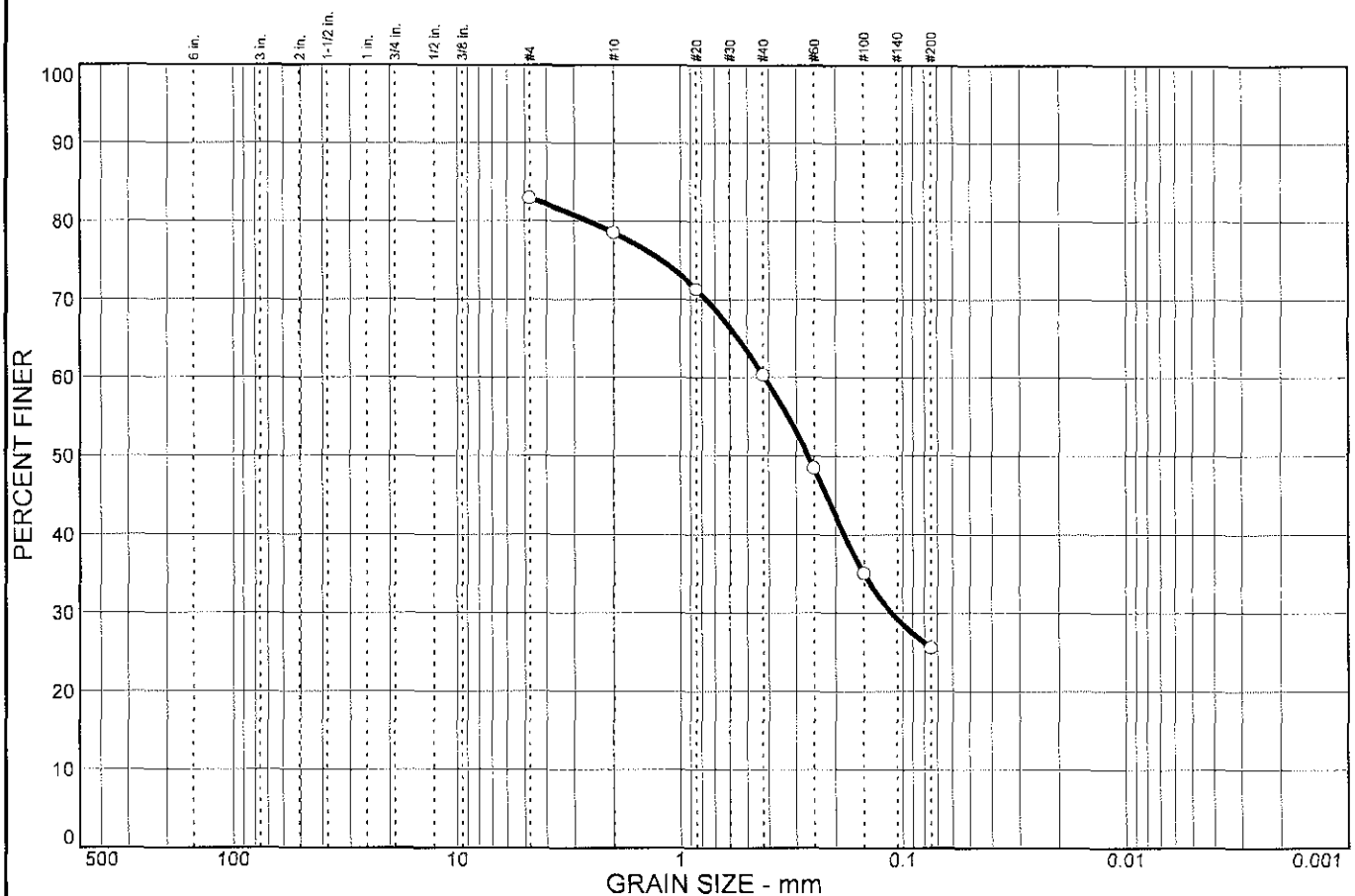
**Remarks**

**Sample No.:** B-7 **Source of Sample:** **Date:** 4-17-03
**Location:** **Elev./Depth:** 1-2.5'

**Geotechnical and Environmental Consultants**

**Client:**
**Project:** Corrosion Control Depaint/Paint Facilities L.I.S. 003014/003011, FY-03/04 Robins Air Force Base, Georgia
**Project No:** MCG-03-0476A **Plate**

# Particle Size Distribution Report




| % COBBLES | % GRAVEL | | % SAND | | | % FINES | |
|---|---|---|---|---|---|---|---|
| | CRS. | FINE | CRS. | MEDIUM | FINE | SILT | CLAY |
| | | | 4.5 | 18.2 | 34.7 | 25.6 | |

| SIEVE SIZE | PERCENT FINER | SPEC.* PERCENT | PASS? (X=NO) |
|---|---|---|---|
| #4 | 83.0 | | |
| #10 | 78.5 | | |
| #20 | 71.3 | | |
| #40 | 60.3 | | |
| #60 | 48.5 | | |
| #100 | 35.1 | | |
| #200 | 25.6 | | |

* (no specification provided)

**Soil Description**

Brown silty m-f SAND some gravel

**Atterberg Limits**

PL= LL= PI=

**Coefficients**

$D_{85}$= $D_{60}$= 0.418 $D_{50}$= 0.265
$D_{30}$= 0.112 $D_{15}$= $D_{10}$=
$C_u$= $C_c$=

**Classification**

USCS= SM AASHTO=

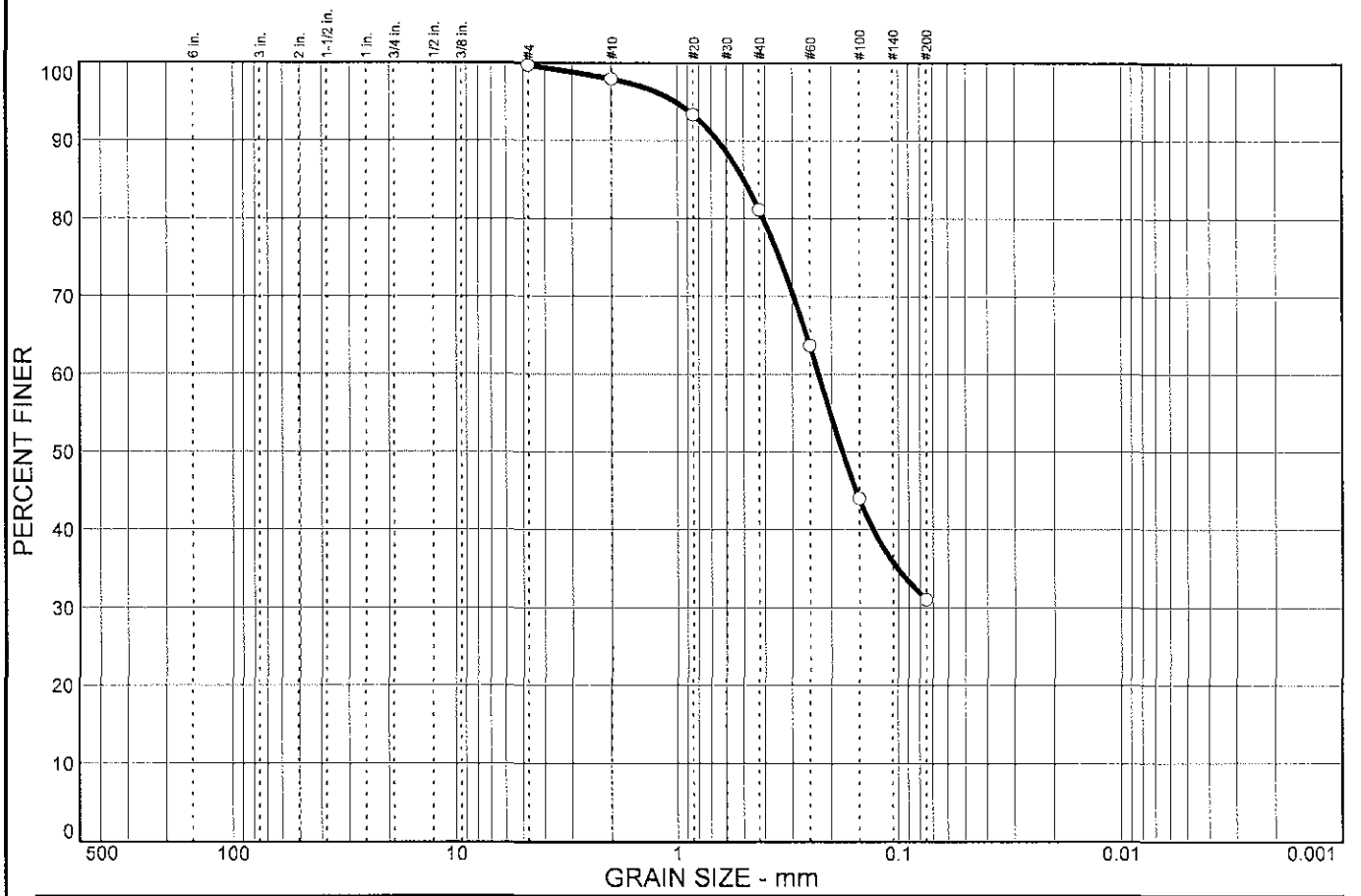
**Remarks**

**Sample No.:** B-8 **Source of Sample:** **Date:** 4-17-03
**Location:** **Elev./Depth:** 1-2.5'

**Geotechnical and Environmental Consultants**

**Client:**
**Project:** Corrosion Control Depaint/Paint Facilities L.I.S. 003014/003011, FY-03/04 Robins Air Force Base, Georgia
**Project No:** MCG-03-0476A **Plate**

# Particle Size Distribution Report




| % COBBLES | % GRAVEL | | % SAND | | | % FINES | |
|---|---|---|---|---|---|---|---|
| | CRS. | FINE | CRS. | MEDIUM | FINE | SILT | CLAY |
| | | | 1.8 | 16.8 | 50.1 | 31.0 | |

| SIEVE SIZE | PERCENT FINER | SPEC.* PERCENT | PASS? (X=NO) |
|---|---|---|---|
| #4 | 99.7 | | |
| #10 | 97.9 | | |
| #20 | 93.3 | | |
| #40 | 81.1 | | |
| #60 | 63.6 | | |
| #100 | 44.0 | | |
| #200 | 31.0 | | |

* (no specification provided)

**Soil Description**

Grayish brown clayey m-f SAND trace of silt

**Atterberg Limits**

PL= LL= PI=

**Coefficients**

$D_{85}$= 0.501 $D_{60}$= 0.229 $D_{50}$= 0.178
$D_{30}$= $D_{15}$= $D_{10}$=
$C_u$= $C_c$=

**Classification**

USCS= SC AASHTO=

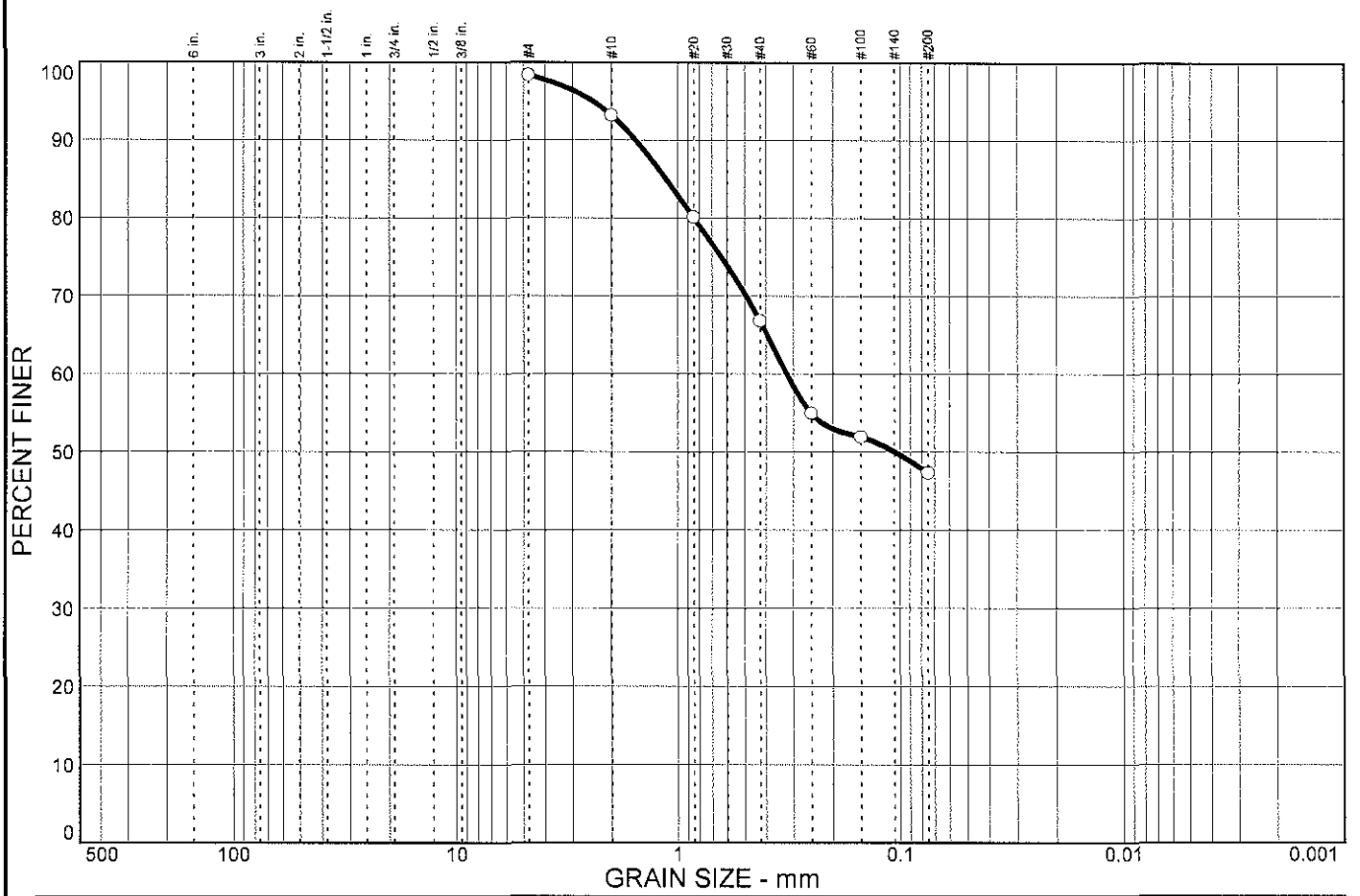
**Remarks**

**Sample No.:** B-9 **Source of Sample:** **Date:** 4-17-03
**Location:** **Elev./Depth:** 1-2.5'

**Geotechnical and Environmental Consultants**

**Client:**
**Project:** Corrosion Control Depaint/Paint Facilities L.I.S. 003014/003011, FY-03/04 Robins Air Force Base, Georgia
**Project No:** MCG-03-0476A **Plate**

# Particle Size Distribution Report




| % COBBLES | % GRAVEL | | % SAND | | | % FINES | |
|---|---|---|---|---|---|---|---|
| | CRS. | FINE | CRS. | MEDIUM | FINE | SILT | CLAY |
| | | | 5.2 | 26.4 | 19.5 | 47.3 | |

| SIEVE SIZE | PERCENT FINER | SPEC.* PERCENT | PASS? (X=NO) |
|---|---|---|---|
| #4 | 98.4 | | |
| #10 | 93.2 | | |
| #20 | 80.1 | | |
| #40 | 66.8 | | |
| #60 | 55.0 | | |
| #100 | 51.9 | | |
| #200 | 47.3 | | |

* (no specification provided)

**Soil Description**

Brown clayey m-f SAND some silt

**Atterberg Limits**

PL= LL= PI=

**Coefficients**

$D_{85}$= 1.13 $D_{60}$= 0.322 $D_{50}$= 0.106
$D_{30}$= $D_{15}$= $D_{10}$=
$C_u$= $C_c$=

**Classification**

USCS= SC AASHTO=

**Remarks**

**Sample No.:** B-10 **Source of Sample:** **Date:** 4-17-03
**Location:** **Elev./Depth:** 1-2.5'

**Geotechnical and Environmental Consultants**

**Client:**
**Project:** Corrosion Control Depaint/Paint Facilities L.I.S. 003014/003011, FY-03/04 Robins Air Force Base, Georgia
**Project No:** MCG-03-0476A **Plate**