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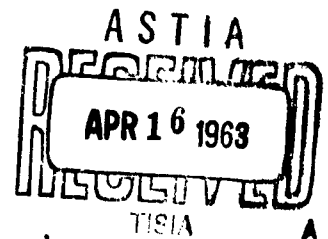
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83D EXHIBIT 62-71

OPERATIONAL FACILITIES REQUIREMENTS

FOR

MINUTEMAN WS-133B



Proposed Revision  
March 27, 1963

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1.0 INTRODUCTION

1.1 Purpose

This document establishes operational facilities requirements for WS-133B.

1.2 Scope

Requirements for WS-133B facilities comprising an operational Wing include:

- (a) Launch Control Facility (LCF).
- (b) Launch Facility (LF).
- (c) Strategic Missile Support Base (SMSB).
- (d) Connecting Roads and Utility Services.

These requirements are predicated upon the use of an existing Air Force Base for administration and logistical support. It is assumed that industrial facilities and quarters for administrative and support personnel will be available on the existing base.

Specifically excluded are all research and development facilities, missile assembly and recycle facilities, flight test facilities, factory, or other facilities not included within the physical boundaries of an operational Wing of WS-133B.

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1.3 Description

WS-133B is comprised of the SMROC missile, Aerospace Ground Equipment (AGE), operational facilities, personnel subsystems, and logistic support systems.

The requirements stated herein are based upon a WS-133B configuration as defined in paragraph 2.4 of BSD Exhibit 62-123 (SECRET), and BSD Exhibit 62-42.

2.0 APPLICABLE DOCUMENTS

The status of the Government specifications and exhibits called out in this exhibit is established elsewhere in the applicable contract and mention herein of such specifications and exhibits is for reference only. Exhibits referenced in this exhibit are listed below.

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2.1 BSD Exhibits

|             |                                                                                            |
|-------------|--------------------------------------------------------------------------------------------|
| AFBM 58-20A | Gas, Fluid and Electrical Conduit Line Identification for Use in Missile and Space Systems |
| AFBM 60-1   | Personnel Subsystem Test and Evaluation                                                    |
| BSD 60-30   | Contractor Responsibilities for Activation of Minuteman Sites (Hardened and Dispersed)     |
| BSD 62-4    | Ground Electronic System Criteria - WS-133B                                                |
| BSD 62-46   | Minuteman Interface and Space Control Program                                              |
| BSD 62-51   | Environment Design Criteria - WS-133B                                                      |
| BSD 62-52   | Targeting Parameters Design Criteria - WS-133B                                             |
| BSD 62-53   | Maintainability                                                                            |
| BSD 62-54   | Code Storage, Handling and Changing - WS-133B                                              |
| BSD 62-58   | Guidance and Control Subsystem Design Criteria - WS-133B                                   |

2.1 BSD Exhibits - Continued

|           |                                                                                          |
|-----------|------------------------------------------------------------------------------------------|
| BSD 62-61 | Retro-rocket Subsystem Design Criteria                                                   |
| BSD 62-62 | System Requirements Analysis Program<br>for WS-133B Minuteman                            |
| BSD 62-64 | Ordnance System Design Criteria                                                          |
| BSD 62-66 | Vehicle Structural Design Criteria                                                       |
| BSD 62-72 | Logistics Support System                                                                 |
| BSD 62-75 | Grounding Design Criteria - WS-133B                                                      |
| BSD 62-77 | Electric Power and Cabling Subsystem<br>Criteria for WS-133B Minuteman Weapon<br>Systems |
| BSD 62-78 | Security Subsystems Design Criteria -<br>WS-133B                                         |
| BSD 62-79 | Life Support Subsystem - WS-133B                                                         |
| BSD 62-80 | Environmental Control Subsystem Design<br>Criteria - WS-133B                             |
| BSD 62-82 | Weapon System Safety Criteria - WS-133B                                                  |
| BSD 62-83 | Weapons Effects Criteria - WS-133B                                                       |
| BSD 62-84 | Standardization                                                                          |

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2.1 BSD Exhibits - Continued

|              |                                                                 |
|--------------|-----------------------------------------------------------------|
| BSD 62-85    | Weapon System Inter@ace Compatibility                           |
| BSD 62-87    | Electro-interference Compatibility                              |
| BSD 62-88    | Finish                                                          |
| BSD 62-89    | Packaging                                                       |
| BSD 62-90    | Personnel Subsystem Criteria - WS-133B                          |
| BSD 62-91    | Umbilical Retraction Subsystem Criteria -<br>WS-133B            |
| BSD 62-92    | Ground Transportation Subsystem Design<br>Criteria - WS-133B    |
| BSD 62-93    | Air Transportation Subsystem Design<br>Criteria - WS-133B       |
| BSD 62-94    | Handling Subsystem Design Criteria - WS-133B                    |
| BSD 62-123   | WS-133B Weapon System Design Criteria,<br>Minuteman             |
| BSD 62-149   | Siting Criteria for Minuteman WS-133B<br>Operational Facilities |
| BSD Document | Missile Facilities Design, April 1962                           |

2.2 Air Force Documents

|           |                                              |
|-----------|----------------------------------------------|
| AFM 86-4  | Standard Installations Facility Requirements |
| AFM 88-10 | Water Supply                                 |

2.2 Air Force Documents - Continued

|                        |                                                                                  |
|------------------------|----------------------------------------------------------------------------------|
| AFM 88-11              | Sewerage, Refuse, and Industrial Waste                                           |
| AFM 88-15              | Standard Outline Specifications for Air Force Facilities                         |
| AFP 88-116-2           | Air Field Pavement-Selection of Types, Designs and Alternate Bid Schedule        |
| AFM 32-6               | Explosives Safety Manual                                                         |
| AF Definitive 33-02-96 | Warehouse                                                                        |
| MIL-C-45662A           | Calibration and Certification of Measuring and Testing Equipment                 |
| MIL-R-27542            | Reliability Program Requirements for Aerospace Systems, Subsystems and Equipment |

2.3 Basing Documents

|             |                                                                                 |
|-------------|---------------------------------------------------------------------------------|
| D2-6385     | WS-133A Minuteman Facilities Criteria for Strategic Missile Support Base (SMSB) |
| D2-30044-1A | Minuteman WS-133B Requirements and Description Wing VI                          |
|             | Vol. 1A Introduction, Table of Contents, Usage Index                            |
|             | Vol. 1B Flow Diagrams, Operational, VAFB                                        |
|             | Vol. 2A Form B's, Operational                                                   |
|             | Vol. 3A Fig. A's, Operational AVE, OGE, RP1E                                    |
|             | Vol. 3B Fig. A's, Operational MBE, DT and TE                                    |

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2.4 STL Documents

(To be issued) WS-133B Missile Description

6120-7420-OJ-000 Scope and Explanations of Minuteman Personnel  
and Training Program

2.5 AVCO Documents

RAD-SR-61-90 Technical Criteria for Design of Minuteman  
Revision 1 Operational Munitions Facility

3.0 ADMINISTRATIVE REQUIREMENTS

This Section summarizes conditions, events and responsibilities associated with the development and use of Facility Design Criteria.

3.1 Contractor Applicability

The requirements of this Exhibit apply to the following contractors:

- (a) Integration, Assembly and Test (IA&T)  
contractor \_\_\_\_\_ The Boeing Company
- (b) Ground Electronics System (GES) \_\_\_\_\_ Sylvania Electronic  
contractor Products, Inc.
- (c) Mark IIA Series Re-Entry Systems R  
(R/V) contractor \_\_\_\_\_ AVCO Corporation
- (d) Other Re-Entry Systems (R/V) R  
contractor \_\_\_\_\_ (To be determined)
- (e) Stage I Propulsion contractor \_\_\_\_\_ Thiokol Chemical Corp.
- (f) Stage II Propulsion contractor \_\_\_\_\_ Aerojet - General  
Corporation
- (g) Stage III Propulsion contractor \_\_\_\_\_ Hercules Powder Co.
- (h) Guidance and Control (GNC)  
contractor \_\_\_\_\_ Autonetics
- (i) Environmental Control System  
contractor \_\_\_\_\_ (To be determined)
- (j) Security System contractor \_\_\_\_\_ Sylvania Electronic  
Products, Inc. (West) R



3.1 (continued)

- (k) SAC Communications contractor -----International Electric  
Co. (Others will follow)

3.1.1 Facilities Responsibility

Primary responsibility for the preparation of Facility Design  
Criteria is assigned below. Contractors not listed below will  
provide information as required.

3.1.1.1 Launch Facilities

- (a) Integration, Assembly and Test Contractor (Boeing)
- (b) Ground Electronics System Contractor (Sylvania)
- (c) Guidance and Control Contractor (Autonetics)
- (d) Environmental Control System Contractor (To be determined)
- (e) Security System Contractor (Sylvania - West)

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3.1.1.2 Launch Control Facilities

- (a) Integration, Assembly and Test Contractor (Boeing)
- (b) Ground Electronics System Contractor (Sylvania)
- (c) Guidance and Control Contractor (Autonetics)
- (d) Environmental Control System Contractor (To be determined)
- (e) SAC Communications Contractors (To be determined)

3.1.1.3 SMSB Facilities

- (a) Integration, Assembly and Test Contractor (Boeing)
- (b) Ground Electronics System Contractor (Sylvania)
- (c) Mark IIA Series Re-Entry Systems Contractor (AVCO)
- (d) Other Re-Entry Systems Contractor (To be determined)
- (e) Guidance and Control Contractor (Autonetics)

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3.2 Concurrency

The concurrent development of subsystems demands that the final design and construction of operational LF's and LCF's must proceed before completion of the following:

- (a) The System Requirements Analysis Program per BSD Exhibit 62-62
- (b) The flight test program
- (c) The design of operational AGE

In some instances, establishment of facilities configuration will lead AGE functional analysis and design. These facilities characteristics will then influence directly the Systems Requirements Analysis and AGE Design Requirements.

3.3 Sequence of Events

In general, key chronological events will occur from inception to completion of the total facility effort. In actual practice, the concurrent weapon system development will create some overlapping of these events. These events are as follows for the LF and LCF:

3.3 (contd)

- (a) Approval of Facility requirements.
- (b) Approval of basic facility configuration and concepts.
- (c) Approval of facility design criteria documents.
- (d) Approval of facility siting criteria.
- (e) Site Selection.
- (f) Approval of facility construction plans and specifications.
- (g) Advertising and award of facility construction contract.
- (h) Facility construction.
- (i) Facility changes during construction and assembly/checkout of AGE.

For the SMSB facilities, the sequence of events follows:

- (a) Approval of facilities requirements.
- (b) Approval of basic design and siting criteria common to all Wings. R
- (c) Site Selection.
- (d) Approval of supplemental design criteria for each Wing. R
- (e) Approval of facility construction plans and specifications.
- (f) Advertising and award of facility construction contract.
- (g) Facility construction.
- (h) Facility changes during construction and assembly/checkout of AGE.

**3.4      Responsibilities**

Presented below are the principal responsibilities and tasks associated with the events of paragraph 3.3 above.

**3.4.1      Facility Requirements**

The facility requirements are established by this Exhibit which has been prepared jointly by STL and The Boeing Company.

**3.4.2      Basic Facility Configuration and Concepts**

As required, these concepts are developed by the Minuteman Facilities Ad Hoc Committee, utilizing the services of The Boeing Company, STL and an Architect-Engineer. These concepts become requirements upon approval by the Minuteman SPO.

**3.4.2.1      Authorized representatives of the following agencies constitute the membership of the Minuteman Facilities Ad Hoc Committee:**

BSD/BSQO .....Chairman

BSD/BSQOF

BSD/BSSFQ

SAC

STL

The Boeing Company

**3.4.3 Facility Design Criteria Documents**

Facility design criteria must satisfy the requirements of this Exhibit. The Boeing Company will prepare integrated facilities design criteria, except for the SMSB Munitions Facilities, and will utilize required data obtained from the appropriate contractors listed in paragraph 3.1 above. For the Munitions Facility, the design criteria will be prepared by the R/V System Contractor(s). STL will provide systems engineering and technical direction of the preparation of all facility design criteria. All facility design criteria documents and revisions will become official only when approved by BSD.

**3.4.4 Facility Siting Criteria**

Except for SMSB facilities, siting criteria are contained in BSD Exhibit 62-149. The basic SMSB design criteria document will include siting criteria.

**3.4.5 Site Selection**

Except for SMSB facilities, all site locations will be accomplished by SAC with the technical support of BSD. Siting of SMSB's including the Munitions Facilities, will be accomplished jointly by SAC/BSO/STL/Boeing and the R/V contractors. All siting will be based upon approved criteria.

**3.4.6 Facility Construction Plans and Specifications**

Facility design and the resulting construction plans and specifications will be; (a) based upon approved facility design criteria, and (b) prepared by an Architect-Engineer under the direction of BSD/BSSFQ. STL, The Boeing Company and other Minuteman contractors, as appropriate, will review the construction plans and specifications for conformance to the approved facility design criteria. Final approvals will be made by BSD/BSSFQ.

**3.4.7 Facility Construction**

Facility construction will be the responsibility of the Site Activation Task Force (SATAF). Associate Contractor responsibilities are as defined in BSD Exhibit 60-30.

**3.4.8 Facility Changes**

Following award of each facility construction contract, facility changes will be originated and processed in accordance with applicable CCB instructions.

**3.5 Schedules**

Scheduled requirements for the above events will be as established in the BSD Management Data System, Minuteman Master Activation Phasing Schedules, Volume III.

4.0 LAUNCH FACILITY REQUIREMENTS

4.1 Description

An operational Launch Facility (LF) consists of the following:

- 4.1.1 An unmanned, hardened underground launcher (consisting of a launch tube and annular equipment room) containing a single SM-80C missile in the launch tube. A shock floor shall be provided in the Launcher Equipment Room (LER) to protect launch essential equipment. R
- 4.1.2 Essential launch equipment necessary for maintaining operational readiness and to effect a launch.
- 4.1.3 A hardened underground structure, unmanned, separate from the launcher, used to house environmental control equipment and a standby power generator. (Launch Equipment Building, LEB) R
- 4.1.4 Hardened communications antennas.
- 4.1.5 A surface access and maintenance area, security fencing, area surveillance antennas, a command system antenna, lighting, commercial power source, surface reference monuments, vehicle maneuvering area for GSC collimator alignment, and power outlets for maintenance vehicles. R

4.2 AGE

Newly designated items of AGE for WS-133B LF are listed below:

- (1) Shock Isolators, LER -----AGE
- (2) Shock Isolators, LEB -----AGE
- (3) Blast Valve, LEB -----AGE
- (4) Hydraulic System (for Blast Valve) -----AGE

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4.3 Site Location and Spacing

Each launch facility shall be located in accordance with the requirements of BSD Exhibit 62-149.

4.4 Orientation and Targeting

Location of the theodolite sight tube and targeting requirements shall be as defined in BSD Exhibit 62-52.

4.5 Launch Capability

Each Launcher is required to have a single launch capability. Except for "missile-away" status monitoring link, the equipment is not required to survive launch.

4.6 Reaction Time

The launch facility shall be capable of launching a missile within the allowable time as defined in BSD Exhibit 62-123 (SECRET).

4.7 Survival Time

The launcher is required to maintain a "capability-to-launch" after surviving the weapons effects defined in BSD Exhibits 62-83 and 62-123 (SECRET).

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4.8 Readiness

The launch facility and essential launch equipment shall be in a readiness condition for a period of three years, except for maintenance periods, which shall not exceed six hours.

4.9 Vulnerability

The launch facility with contained equipment shall be designed so as to be reasonably invulnerable to sabotage or attack as outlined in BSD Exhibits 62-78 (SECRET) and 62-123 (SECRET).

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4.10 Environmental Requirements

The launch facilities shall be capable of withstanding the environments as defined by BSD Exhibits 62-51, 62-59, 62-83, and 62-123 (SECRET).

4.11 Maintenance

Maintenance periods shall not exceed six hours duration.

4.12 Communications

Status monitoring and command communication links shall be provided by a hardened cable network system and by radio transmission. Both systems shall be capable of surviving weapons effects per BSD Exhibit 62-83. Radio link antennas shall be provided per BSD Exhibit 62-4 (SECRET).

4.13 Utility Services

4.13.1 Connecting roads shall be provided between the paved surface accesses and maintenance areas of the launch facility and the SMSB areas.

4.13.2 Commercial telephone connections shall be provided to the support base.

4.14 Electrical Power and Distribution Requirements

Power for the launch facilities shall be supplied from a commercial power network. In addition, the launch facilities shall be equipped with a standby generator and batteries. Operation of these power systems shall be as specified in AF/BSO 62-123 (SECRET).

4.15 Grounding, Shielding and Electro-Interference

Requirements for grounding, shielding and electro-interferences are defined in BSD Exhibits 62-83 and 62-87.

4.16 Security

Security of the launch facility shall be accomplished through area surveillance sensors located above grade and within the launcher and Equipment Room, as defined in BSD Exhibit 62-78 (SECRET).

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4.17 Reference Criteria

Technical references to be used in the preparation of LF design criteria are contained in Table 4.0-1.

4.18 Deviations for WS-133B VAFB Facilities

Operational facilities design deviations for the Vandenberg Air Force Base launch facilities shall be limited to those requirements dictated by range safety, orientation of the line of flight, the recording of missile and equipment performance, and the necessity for a refire capability after a refurbishment period.

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TABLE 4.0-1

WEAPON-SYSTEM REQUIREMENTS FOR WING VI LAUNCH FACILITY

| TECHNICAL SUBJECT HEADINGS FOR<br>LF DESIGN CRITERIA (Document D2-30081) |                                               | BSD EXHIBIT      | OTHER<br>SPECIFICATIONS                  |   |
|--------------------------------------------------------------------------|-----------------------------------------------|------------------|------------------------------------------|---|
| 3.0*                                                                     | <u>General Facility Requirements</u>          |                  | S-133-30-10 (STL)                        | R |
| 3.1                                                                      | Description of Facilities                     | 62-123           | DO                                       |   |
| 3.2                                                                      | Siting                                        | 62-149           |                                          |   |
| 3.3                                                                      | Orientation and Targeting                     | 62-52            |                                          |   |
| 3.4                                                                      | Capability                                    |                  |                                          |   |
| 3.5                                                                      | Reaction Time                                 | 62-123           | S-133-30-10                              |   |
| 3.6                                                                      | Survival and Emergency Time                   | 62-123           |                                          |   |
| 3.7                                                                      | Readiness                                     |                  | S-133-30-10                              |   |
| 3.8                                                                      | Vulnerability                                 | 62-123           | DO                                       |   |
| 3.9                                                                      | Operating Environmental Tolerance Levels      | 62-83,<br>62-123 | DO                                       |   |
| 3.10                                                                     | Weapons Effects Design Parameters             | 62-83,<br>62-123 |                                          |   |
| 3.11                                                                     | Personnel                                     |                  | DO                                       |   |
| 3.12                                                                     | Maintenance and Logistics                     | AFBMD 58-20A     | S-133-30-10                              |   |
| 3.13                                                                     | Communications                                | 62-83<br>62-4    | S-133-30-10                              |   |
| 3.14                                                                     | Electrical Power                              | 62-77            | DO                                       | R |
| 3.15                                                                     | Grounding, Shielding and Electro-Interference | 62-75<br>62-87   | S-133-30-10<br>C755-6120-9157-<br>KS-000 |   |
| 3.16                                                                     | Reliability                                   |                  | MIL-R-27542                              |   |
| 3.17                                                                     | Operating Life                                |                  | S-133-30-10                              |   |

\* Refers to Facilities Criteria Document paragraph numbers.

TABLE 4.0-1

WEAPON-SYSTEM REQUIREMENTS FOR WING VI LAUNCH FACILITY - Continued

| TECHNICAL SUBJECT HEADINGS FOR<br>LF DESIGN CRITERIA (Document D2-30081) |                                             | BSD EXHIBIT     | OTHER<br>SPECIFICATIONS |   |
|--------------------------------------------------------------------------|---------------------------------------------|-----------------|-------------------------|---|
| 3.18                                                                     | Security                                    | 62-78           | S-133-30-10             | R |
| 3.19                                                                     | Construction Tolerances                     |                 |                         |   |
| 3.20                                                                     | Validation and Acceptance Tests             |                 |                         | R |
| 3.21                                                                     | Protective Finishes                         |                 |                         | R |
| 4.0                                                                      | <u>Integrated Criteria</u>                  |                 | S-133-30-10             |   |
| 4.1                                                                      | Civil                                       |                 | S-133-30-10<br>AFM 86-4 |   |
| 4.2                                                                      | Mechanical                                  | 62-80           | S-133-30-10             | R |
| 4.3                                                                      | Electrical                                  | 62-77,<br>62-75 | DO                      | R |
| 4.4                                                                      | Communications                              |                 | DO                      | R |
| 4.5                                                                      | Safety                                      |                 | DO                      |   |
| 4.6                                                                      | Security                                    | 62-78           | DO                      | R |
| 4.7                                                                      | Triangulation Points                        | 62-149          |                         |   |
| 4.8                                                                      | Equipment Lists                             |                 | DO                      | R |
| 5.0                                                                      | <u>Service Area Criteria</u>                |                 | S-133-30-10             |   |
| 5.1                                                                      | Function                                    |                 | S-133-30-10             |   |
| 5.2                                                                      | Location                                    | 62-149          | S-133-30-10             | R |
| 5.3                                                                      | Structural                                  |                 | S-133-30-10             |   |
| 5.4                                                                      | Electrical                                  | 62-77,<br>62-75 | S-133-30-10             | R |
| 6.0                                                                      | <u>Launcher Equipment Building Criteria</u> |                 | S-133-30-10             |   |
| 6.1                                                                      | Function                                    |                 | DO                      |   |
| 6.2                                                                      | Architectural                               |                 | DO                      |   |

PROP. REV 3/27/62

TABLE 4.0-1

WEAPON-SYSTEM REQUIREMENTS FOR WING VI LAUNCH FACILITY - Continued

| TECHNICAL SUBJECT HEADINGS FOR<br>LF DESIGN CRITERIA (Document D2-30081) |                                         | BSD EXHIBIT     | OTHER<br>SPECIFICATIONS |   |
|--------------------------------------------------------------------------|-----------------------------------------|-----------------|-------------------------|---|
| 6.3                                                                      | Structural                              |                 |                         |   |
| 6.4                                                                      | Mechanical                              | 62-80           | S-133-30-10             | R |
| 6.5                                                                      | Electrical                              | 62-77,<br>62-75 | DO                      | R |
| 6.6                                                                      | Communications                          |                 |                         |   |
| 6.7                                                                      | Security                                | 62-78           |                         | R |
| 7.0                                                                      | <u>Closure Criteria</u>                 |                 | S-133-30-10             |   |
| 7.1                                                                      | Function                                |                 | DO                      |   |
| 7.2                                                                      | Architectural                           |                 | DO                      |   |
| 7.3                                                                      | Structural                              |                 | DO                      |   |
| 7.4                                                                      | Mechanical                              |                 | DO                      |   |
| 7.5                                                                      | Electrical                              | 62-77,<br>62-75 | DO                      | R |
| 7.6                                                                      | Security                                | 62-78           | DO                      | R |
| 8.0                                                                      | <u>Launcher Equipment Room Criteria</u> |                 | S-133-30-10             |   |
| 8.1                                                                      | Function                                |                 | DO                      |   |
| 8.2                                                                      | Architectural                           |                 | DO                      |   |
| 8.3                                                                      | Structural                              |                 | DO                      |   |
| 8.4                                                                      | Mechanical                              |                 | DO                      |   |
| 8.5                                                                      | Electrical                              | 62-77,<br>62-75 | S-133-30-10             | R |
| 8.6                                                                      | Security                                | 62-78           | DO                      | R |
| 8.7                                                                      | Grounding                               | 62-75           | DO                      | R |
| 8.8                                                                      | Communications                          |                 | DO                      |   |

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TABLE 4.0-1

WEAPON-SYSTEM REQUIREMENTS FOR WING VI LAUNCH FACILITY - Continued

| TECHNICAL SUBJECT HEADING FOR<br>LF DESIGN CRITERIA (Document D2-30081) |                             | BSD EXHIBIT     | OTHER<br>SPECIFICATIONS          |   |
|-------------------------------------------------------------------------|-----------------------------|-----------------|----------------------------------|---|
| 9.0                                                                     | <u>Launch Tube Criteria</u> |                 | S-133-30-10                      |   |
| 9.1                                                                     | Function                    |                 | DO                               |   |
| 9.2                                                                     | Architectural               |                 | DO                               |   |
| 9.3                                                                     | Structural                  | 62-83           | S-133-30-10<br>D2-14136 Vol. III |   |
| 9.4                                                                     | Mechanical                  |                 | S-133-30-10                      |   |
| 9.5                                                                     | Electrical                  | 62-77,<br>62-75 | DO                               | P |
| 9.6                                                                     | Communications              |                 | DO                               |   |
| 9.7                                                                     | Security                    | 62-78           | DO                               | P |
| 10.0                                                                    | <u>Antenna Criteria</u>     |                 |                                  | P |
| 10.1                                                                    | Function                    |                 |                                  |   |
| 10.2                                                                    | Architectural               |                 |                                  |   |
| 10.3                                                                    | Structural                  |                 |                                  |   |
| 10.4                                                                    | Electrical                  | 62-77,<br>62-75 |                                  | P |

5.0 LAUNCH CONTROL FACILITY TECHNICAL REQUIREMENTS

5.1 General

Technical requirements for the facility design criteria are presented below for Wing VI. The Launch Control Facility (LCF) configuration shall conform, insofar as practicable, to the WS-133A operational LCF.

5.2 Description

Each LCF will consist of the following:

5.2.1 Launch Control Center (LCC)

The LCC is a hardened underground facility containing equipment and personnel. The facility, by electronic interconnections with launch sites, shall be capable of:

- (a) Monitoring launch site readiness and security status.
- (b) Initiating test and calibration sequences.
- (c) Initiating launch of missiles by signals from cable and/or radio systems.
- (d) Maintaining contact with higher authority through one or more of the SAC communications systems.

5.2.2 Launch Control Equipment Building (LCEB)

The LCEB is a hardened underground facility containing a standby power source and environmental control systems.

EXHIBIT 62-71 3/27/62

5.2.3 Launch Control Support Building (LCSB)

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The LCSB is a soft facility containing a security control room, personnel living quarters and messing facilities, equipment rooms, and a security garage. An auxiliary generator is required to sustain essential loads in the event of commercial power failure.

5.2.4 Access Facility

The Access Facility (a shaft and connecting tunnel) is a soft structure interconnecting the LCC and LCEB to the LCSB and will provide a means of access for equipment and personnel. Entry to the LCC and LCEB will be via hardened blast doors.

5.2.5 Antennas

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The functions to be performed by antennas are as follows:

1. SAC communications will require UHF (hard) HF and LF (soft) antennas.
2. Area surveillance will require security antennas (soft).
3. Command and status information between LCFs and LF's will require MF antennas (hard).

5.2.6 Surface Area

The surface area is all the area encompassing the LCF and bounded by security fencing. The area will include the space required for hardened antenna systems, connecting roads and utility services, and classified parking area.

5.2.7 Water Well

R

A water well shall be provided to fulfill normal facility requirements for operation of the LCF.



### 5.3 Requirements

Weapon-system requirements to be satisfied by the LCF are tabulated by paragraph reference in Table 5.0-1 for the technical headings of the applicable design criteria document. Key requirements that govern the facility configurations and interfaces are stated in the following paragraphs.

#### 5.3.1 Configuration

The design criteria shall be compatible with the basic configuration and concepts developed and approved in accordance with Weapon-system functional description and system model documents. These documents will be developed from Exhibit 62-62, "System Requirements Analysis Program for WS-133B" and AF/BSD Exhibit 62-149.

#### 5.3.2 Human Engineering and Life Support Systems

Design of facilities shall consider the principles of human engineering as defined in MIL-STD-803. The LCC will be manned twenty-four (24) hours a day by a two-man (2) missile combat crew. Life Support Systems will be provided to support a maximum of three (3) personnel during the preattack, post-attack and post-launch periods. The LCC shall include life support equipment as defined in AF/BSD Exhibit 62-79, and shall include provisions for personnel escape in the event that the Access Facility is blocked.

#### 5.3.3 Environment

The LCF shall be capable of withstanding environments as defined below:

##### 5.3.3.1 Climatic

Natural climatic extremes are contained in AF/BSD Exhibit 62-51.

5.3.3.2 Induced (Mechanical)

Induced (contained) environment shall be as defined in AF/BSD Exhibit 62-51.

5.3.3.3 Weapons Effect

The LCF shall survive the weapons effects as specified in AF/BSD 62-83 (SECRET) to the level specified in AF/BSD 62-123 (SECRET). Weapons effects shall include mechanical shock, radiation effects, acoustical environment, electro-magnetic pulse effects, surface winds, debris, etc.

5.3.4 Reliability

The facilities and/or equipment reliability shall be as defined in MIL-R-27542.

5.3.5 Security

Security control will be governed by AF/BSD Exhibit 62-155.

5.3.6 Electrical Power and Distribution Requirements

Power for the LCF is to be supplied from three sources:

- (a) Commercial power
- (b) Standby engine driven generator
- (c) Emergency batteries

Requirements for power distribution, voltage, frequency, phasing, tolerances, and switching requirements shall be described.

5.3.7 Grounding, Shielding, and Electro-Interference

Electro-interference requirements for grounding and shielding shall be as specified in AF/BSD 62-87.

5.3.8 Communications

Communication modes shall be provided by hardened cable network systems, radio transmission systems, and commercial telephone.

Both hardened cable and radio antennas shall be capable of surviving the weapons effects specified in AF/BSD Exhibit 62-83 (SECRET). Radio antennas shall be provided in accordance with the requirements in AF/BSD Exhibit 62-4.

5.4 AGE

Newly designated items of AGE for WS-133B LCF are as listed below:

- (1) Shock Isolator, LCEB ----- AGE
- (2) Blast Valve, LCEB ----- AGE
- (3) Hydraulic System (for Blast Valves, LCEB) ----- AGE

OTOP. REV 3/21/62

TABLE 5.0-1

WEAPON-SYSTEM REQUIREMENTS FOR WING VI LAUNCH CONTROL FACILITY

| TECHNICAL SUBJECT HEADINGS FOR<br>LCF DESIGN CRITERIA (Document D2-30082) |                                                   | BSD EXHIBIT    | OTHER<br>SPECIFICATIONS     |   |
|---------------------------------------------------------------------------|---------------------------------------------------|----------------|-----------------------------|---|
| <u>PART I - GENERAL INFORMATION</u>                                       |                                                   |                |                             |   |
| 3.0                                                                       | <u>General Facility Requirements</u>              |                | S-123-30-20 (STL)           | R |
| 3.1                                                                       | Description of Facilities                         | 62-123         | DO                          |   |
| 3.2                                                                       | Site Selection                                    | 62-149         |                             | R |
| 3.3                                                                       | Facilities Arrangement                            |                |                             | R |
| 3.4                                                                       | Capability                                        |                |                             |   |
| 3.5                                                                       | Exposure Time                                     | 62-123         | S-133-30-20                 | R |
| 3.6                                                                       | Survival Time                                     | 62-123         |                             | R |
| 3.7                                                                       | Readiness                                         |                | S-133-30-20                 | R |
| 3.8                                                                       | Vulnerability                                     | 62-123         | DO                          | R |
| 3.9                                                                       | Environment Tolerance Levels                      | 62-83          | DO                          | R |
| 3.10                                                                      | Weapons Effects Design Parameters                 | 62-83          | AFBMD Ex. 62-78             | R |
| 3.11                                                                      | Personnel                                         |                | DO                          | R |
| 3.12                                                                      | Maintenance and Logistics                         |                | S-133-30-20                 | R |
| 3.13                                                                      | Communications                                    | 62-4           | DO                          | R |
| 3.14                                                                      | Electrical Power and Distribution                 | 62-77          | DO                          | R |
| 3.15                                                                      | Grounding, Shielding, and<br>Electro-Interference | 62-75<br>62-87 | DO<br>C755-6120-9157-KS-000 | R |
| 3.16                                                                      | Reliability                                       |                | MIL-R-27542                 | R |
| 3.17                                                                      | Operating Life                                    |                | S-133-30-20                 | R |
| 3.18                                                                      | Security                                          | 62-155         | DO                          | R |
| 3.19                                                                      | Construction Tolerances                           | 62-88          | MIL STD 803                 | R |
| 3.20                                                                      | Finish                                            |                |                             | R |
| 3.21                                                                      | Cathodic Protection                               |                |                             | R |
| 3.22                                                                      | Validation Acceptance Procedures                  |                |                             | R |

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TABLE 5.0-1

WEAPON-SYSTEM REQUIREMENTS FOR WING VI LAUNCH CONTROL FACILITY - Continued

| TECHNICAL SUBJECT HEADINGS FOR<br>LCF DESIGN CRITERIA (Document D2-30082) |                                                 | BSD EXHIBIT     | OTHER<br>SPECIFICATIONS |   |
|---------------------------------------------------------------------------|-------------------------------------------------|-----------------|-------------------------|---|
| <u>PART II - TECHNICAL FACILITY DESIGN CRITERIA</u>                       |                                                 |                 |                         |   |
| 4.0                                                                       | <u>Integrated Criteria</u>                      | 62-123          | S-133-30-20             |   |
| 4.1                                                                       | Civil                                           |                 | DO                      |   |
| 4.2                                                                       | Mechanical                                      | 62-80,<br>62-51 | DO                      | R |
| 4.3                                                                       | Electrical                                      | 62-77,<br>62-75 |                         | R |
| 4.4                                                                       | Communications                                  | 62-123          |                         | R |
| 4.5                                                                       | Safety                                          |                 | AFM 32-3                |   |
| 4.6                                                                       | Security                                        |                 |                         | R |
| 4.7                                                                       | Equipment Lists                                 |                 |                         | R |
| 5.0                                                                       | <u>Launch Control Support Building Criteria</u> |                 |                         |   |
| 5.1                                                                       | Function                                        | 62-123          | S-133-30-20             |   |
| 5.2                                                                       | Architectural                                   |                 | DO                      |   |
| 5.3                                                                       | Structural                                      | 62-83           |                         |   |
| 5.4                                                                       | Mechanical                                      | 62-51,<br>62-80 |                         |   |
| 5.5                                                                       | Electrical                                      | 62-77,<br>62-75 |                         | R |
| 5.6                                                                       | Communications                                  | 62-123          |                         |   |
| 6.0                                                                       | <u>Access Facility Criteria</u>                 |                 |                         | R |
| 6.1                                                                       | Function                                        | 62-123          | S-133-30-20             | R |
| 6.2                                                                       | Architectural                                   |                 | S-133-30-20             |   |
| 6.3                                                                       | Structural                                      | 62-83           |                         |   |

TABLE 5.0-1

WEAPON-SYSTEM REQUIREMENTS FOR WING VI LAUNCH CONTROL FACILITY - Continued

| TECHNICAL SUBJECT HEADINGS FOR<br>LCF DESIGN CRITERIA (Document D2-30082) |                                                   | BSD EXHIBIT     | OTHER<br>SPECIFICATIONS |
|---------------------------------------------------------------------------|---------------------------------------------------|-----------------|-------------------------|
| 6.4                                                                       | Mechanical                                        | 62-51,<br>62-80 |                         |
| 6.5                                                                       | Electrical                                        | 62-77,<br>62-75 | R                       |
| 6.6                                                                       | Communications                                    | 62-123          |                         |
| 7.0                                                                       | <u>Launch Control Center Criteria</u>             |                 | S-133-30-20             |
| 7.1                                                                       | Function                                          | 62-123          | DO                      |
| 7.2                                                                       | Architectural                                     | 62-123          |                         |
| 7.3                                                                       | Structural                                        | 62-83           |                         |
| 7.4                                                                       | Mechanical                                        | 62-51,<br>62-80 |                         |
| 7.5                                                                       | Electrical                                        | 62-77,<br>62-75 | R                       |
| 7.6                                                                       | Communications                                    | 62-123          |                         |
| 8.0                                                                       | <u>Launch Control Equipment Building Criteria</u> |                 | S-133-30-20             |
| 8.1                                                                       | Function                                          | 62-123          | DO                      |
| 8.2                                                                       | Architectural                                     | 62-123          |                         |
| 8.3                                                                       | Structural                                        | 62-83           |                         |
| 8.4                                                                       | Mechanical                                        | 62-51,<br>62-80 |                         |
| 8.5                                                                       | Electrical                                        | 62-77,<br>62-75 | R                       |
| 8.6                                                                       | Communications                                    | 62-123          |                         |

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TABLE 5.0-1

WEAPON-SYSTEM REQUIREMENTS FOR WING VI LAUNCH CONTROL FACILITY - Continued

| TECHNICAL SUBJECT HEADINGS FOR<br>LCF DESIGN CRITERIA |                         | BSD EXHIBIT     | OTHER<br>SPECIFICATIONS |
|-------------------------------------------------------|-------------------------|-----------------|-------------------------|
| 9.0                                                   | <u>Antenna Criteria</u> |                 | S-133-30-20             |
| 9.1                                                   | Function                | 62-123          |                         |
| 9.2                                                   | Architectural           | 62-123          |                         |
| 9.3                                                   | Structural              | 62-83           |                         |
| 9.4                                                   | Mechanical              | 62-51,<br>62-80 |                         |
| 9.5                                                   | Electrical              | 62-77,<br>62-75 |                         |
| 9.6                                                   | Communications          | 62-123          |                         |

6.0 STRATEGIC MISSILE SUPPORT BASE

Each SMSB will consist of multiple facilities located within the confines of an existing Air Force Base.

6.1 Wing Effectivity

The requirements herein contained are applicable to the SMSB for each Wing. Deviations necessary to adapt these requirements to selected Air Force Base installations will be included in supplementary design criteria.

6.2 Description

Each SMSB will consist of the following facilities to perform the indicated functions.

6.2.1 Maintenance and Operations Control Facility

This facility will contain the technical staff for the SMSB. It will provide space for directing maintenance and operations.

6.2.2 Electronic Maintenance Facility

This facility will perform field level maintenance on electronic, cryptographic and sensitive electrical equipment associated with the weapon system.

6.2.3 Electrical/Mechanical Maintenance Facility

This facility will perform field level maintenance on all of the electrical and mechanical equipment associated with the weapon system.



6.2.4 Transient Missile Holding Facility

This facility will provide short-term storage from a transporter-erector or a ballistic missile trailer temporarily delayed at the SMSB.

6.2.5 Missile Transfer Facility

This facility will provide the capability of effecting transfer of the missile from the Shipping Storage Container Ballistic Missile (SSCBM) to the transporter-erector or vice versa.

6.2.6 Support Vehicle Maintenance Facility

This facility will provide organizational and field level maintenance for the technical support vehicles. This maintenance will include the cleaning, servicing, adjusting and repairing of weapon system peculiar equipment installed on these vehicles.

6.2.7 Vehicle Dispatch Facility

This facility will provide for the manning and dispatching of all maintenance vehicles to the LF's and LCF's.

6.2.8 Maintenance Crew Ready Facility

This facility will provide space for accommodating maintenance crews for dispatch to perform maintenance.

6.2.9 AFW/Supply/Warehouse

This facility will provide for receiving and storing all Air Force Weapon Account (AFW) spares.

6.2.10 Material Control Facilities

These facilities, one for Electronic and one for Electrical/Mechanical, will provide a central point for:

- (a) Dispatching spares, by maintenance vehicle, to the LCF or the LF.
- (b) Receiving defective items from the LCF or the LF.
- (c) Routing defective items to the proper maintenance facilities for repair.

6.2.11 Unloading Facilities

These facilities will provide for the loading and unloading of transporter-erectors and SSCBM's from railroad cars and SSCBM's from aircraft.

6.2.12 Proof Load Test Facilities

This facility will provide the capability of proof testing the lifting, hoisting and winching devices which are a part of the vehicles or the MGE.

6.2.13 Munitions Facility Complex

This remote facility complex will receive, store, checkout, assemble and maintain Mark IIA and other re-entry vehicles (including warhead). The following facilities are required:

- (a) Munitions Facility Building to house personnel, equipment and administrative facilities necessary to receive, handle and checkout re-entry vehicles, warhead, and OGE pyrotechnic components, assemble re-entry vehicles (including warhead), and perform maintenance on malfunctioning re-entry vehicles returned from the launch sites.

6.2.13 (Continued)

- (b) Munitions Facility Storage Warehouse to provide an enclosed area for the storage and processing of re-entry vehicle component containers, spare parts, mobile crew equipment, handling equipment and tools.
- (c) Munitions Facility Storage Magazine to furnish central storage space for spare warheads and re-entry vehicles complete with their assembly and transport stands.
- (d) Munitions Facility Segregated Magazine to store pyrotechnics.
- (e) Gate House Security Alarm and Fencing to accomplish the security operations of perimeter patrol and the monitoring of ingress and egress at the Munitions Facility complex.

6.3 Requirements

Weapon-system requirements to be satisfied by the SMSB are contained in the documents listed under Section 2.0. These requirements are tabulated by paragraph reference in Table 6.0-1 (Page 42) for the technical headings of the design criteria document. Key requirements that govern the facility configuration and interfaces are stated below.

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6.3.1 Configuration

The configuration of each of the facilities above described will be based upon the Weapon System Functional Description and System Model Documents. These documents will be developed from Exhibit 62-62. Existing Air Force facilities will be utilized to the maximum practicable extent.

TABLE 6.0-1

WEAPON-SYSTEM REQUIREMENTS FOR WING VI STRATEGIC MISSILE SUPPORT BASE

| TECHNICAL SUBJECT HEADINGS FOR                           |                                               |                                                          | OTHER              |                       |
|----------------------------------------------------------|-----------------------------------------------|----------------------------------------------------------|--------------------|-----------------------|
| <u>SMSB DESIGN CRITERIA (Documents D2-30083-1&amp;2)</u> |                                               |                                                          | <u>BSD EXHIBIT</u> | <u>SPECIFICATIONS</u> |
| PART I - GENERAL INFORMATION                             |                                               |                                                          |                    |                       |
| 5.0                                                      | <u>General Criteria</u>                       |                                                          | S-133-30-20 (STL)  | R                     |
| 5.1                                                      | Civil                                         |                                                          | DO                 | R                     |
| 5.2                                                      | Mechanical Systems                            | 62-51,<br>62-80                                          |                    | R                     |
| 5.3                                                      | Electrical Systems                            | 62-77,<br>62-75                                          |                    | R                     |
| 5.4                                                      | Communications Systems                        | 62-123                                                   |                    | R                     |
| 5.5                                                      | Safety                                        |                                                          | AFM 32-3           | R                     |
| 5.6                                                      | Security                                      | 62-78                                                    |                    | R                     |
| 5.7                                                      | Personnel                                     | 62-123                                                   |                    | R                     |
| PART II - MAINTENANCE FACILITIES                         |                                               |                                                          |                    |                       |
| 6.0                                                      | <u>Electronic Maintenance</u>                 |                                                          |                    | R                     |
| 6.1                                                      | Electronic Maintenance Facility Criteria      | 62-123,<br>62-83,<br>62-51,<br>62-80,<br>62-77,<br>62-75 | S-133-30-30        | R                     |
| 6.2                                                      | <u>Guidance and Control Checkout Facility</u> | 62-83                                                    |                    | R                     |
|                                                          | (Deleted per BSD Direction)                   | 62-51,<br>62-80,<br>62-77,<br>62-75                      |                    |                       |

TABLE 6.0-1

WEAPON-SYSTEM REQUIREMENTS FOR WING VI STRATEGIC MISSILE SUPPORT BASE - Continued

| TECHNICAL SUBJECT HEADINGS FOR<br>SMSB DESIGN CRITERIA (Documents D2-30083-1a-2) BSD EXHIBIT |                                                | OTHER<br>SPECIFICATIONS |   |
|----------------------------------------------------------------------------------------------|------------------------------------------------|-------------------------|---|
| 6.3                                                                                          | <u>Encoder/Decoder Facility</u>                | S-133-30-30             | R |
|                                                                                              | 62-123                                         | DO                      |   |
|                                                                                              |                                                | S-133-30-30             |   |
|                                                                                              | 62-83                                          |                         |   |
|                                                                                              | 62-51,<br>62-80                                |                         |   |
|                                                                                              | 62-77                                          |                         |   |
| 6.4                                                                                          | <u>Test Equipment Repair Facility Criteria</u> | S-133-30-30             | R |
|                                                                                              | 62-123                                         | DO                      |   |
|                                                                                              |                                                | DO                      |   |
|                                                                                              | 62-83                                          |                         |   |
|                                                                                              | 62-51,<br>62-80                                |                         |   |
|                                                                                              | 62-77,<br>62-75                                |                         |   |
| 6.5                                                                                          | <u>Material Control Facility Criteria</u>      | S-133-30-30             | R |
|                                                                                              | 62-123                                         | DO                      |   |
|                                                                                              |                                                | DO                      |   |
|                                                                                              | 62-83                                          |                         |   |
|                                                                                              | 62-51,<br>62-80                                |                         |   |
|                                                                                              | 62-77,<br>62-75                                |                         |   |

TABLE 6.0-1

WEAPON-SYSTEM REQUIREMENTS FOR WING VI STRATEGIC MISSILE SUPPORT BASE - Continued

| TECHNICAL SUBJECT HEADINGS FOR<br>SMSB DESIGN CRITERIA (Documents <u>D2-30083-1&amp;2</u> ) BSD EXHIBIT |                                    | OTHER<br>SPECIFICATIONS |   |
|---------------------------------------------------------------------------------------------------------|------------------------------------|-------------------------|---|
| 7.1                                                                                                     | <u>Electrical Shop Criteria</u>    | S-133-30-30             | R |
|                                                                                                         | 62-123                             | DO                      |   |
|                                                                                                         |                                    | DO                      |   |
|                                                                                                         | 62-83                              |                         |   |
|                                                                                                         | 62-51,<br>62-80                    |                         |   |
|                                                                                                         | 62-77,<br>62-75                    |                         |   |
| 7.2                                                                                                     | <u>Mechanical Shop Criteria</u>    | S-133-30-30             | R |
|                                                                                                         | 62-123                             | DO                      |   |
|                                                                                                         |                                    | DO                      |   |
|                                                                                                         | 62-83                              |                         |   |
|                                                                                                         | 62-51,<br>62-80                    |                         |   |
|                                                                                                         | 62-77,<br>62-75                    |                         |   |
| 7.3                                                                                                     | <u>Refrigeration Shop Criteria</u> | S-133-30-30             | R |
|                                                                                                         | 62-123                             | DO                      |   |
|                                                                                                         |                                    | DO                      |   |
|                                                                                                         | 62-83                              |                         |   |
|                                                                                                         | 62-51,<br>62-80                    |                         |   |
|                                                                                                         | 62-77,<br>62-75                    |                         |   |

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TABLE 6.0-1

WEAPON-SYSTEM REQUIREMENTS FOR WING VI STRATEGIC MISSILE SUPPORT BASE - Continued

| TECHNICAL SUBJECT HEADINGS FOR<br>SMSB DESIGN CRITERIA (Documents D2-30083-1&-2) BSD EXHIBIT |  | OTHER<br>SPECIFICATIONS |
|----------------------------------------------------------------------------------------------|--|-------------------------|
|----------------------------------------------------------------------------------------------|--|-------------------------|

|     |                                                      |                 |             |   |
|-----|------------------------------------------------------|-----------------|-------------|---|
| 7.4 | <u>Communications Maintenance Facility Criteria</u>  | 62-123          |             |   |
|     |                                                      | DO              |             |   |
|     |                                                      |                 | S-133-30-30 |   |
|     |                                                      | 62-83           |             |   |
|     |                                                      | 62-51,<br>62-80 |             |   |
| 7.5 | <u>Support Vehicle Maintenance Facility Criteria</u> | 62-77,<br>62-75 |             |   |
|     |                                                      | 62-72           | S-133-30-30 | R |
|     |                                                      | 62-123          | DO          |   |
|     |                                                      |                 | DO          |   |
|     |                                                      | 62-83           |             |   |
| 7.6 | <u>Material Control Facility Criteria</u>            | 62-51,<br>62-80 |             |   |
|     |                                                      | 62-77,<br>62-75 |             |   |
|     |                                                      | 62-77,<br>62-75 | S-133-30-30 | R |
|     |                                                      | 62-123          | DO          |   |
|     |                                                      |                 | DO          |   |
|     |                                                      | 62-83           |             |   |
|     |                                                      | 62-51,<br>62-80 |             |   |
|     |                                                      | 62-77,<br>62-75 |             |   |
|     |                                                      |                 |             |   |
|     |                                                      |                 |             |   |



TABLE 6.0-1

WEAPON-SYSTEM REQUIREMENTS FOR WING VI STRATEGIC MISSILE SUPPORT BASE - Continued

| <u>TECHNICAL SUBJECT HEADINGS FOR</u>                                |                                                     | <u>OTHER</u>                   |   |
|----------------------------------------------------------------------|-----------------------------------------------------|--------------------------------|---|
| <u>SMSB DESIGN CRITERIA (Documents D2-30083-1&amp;2) BSD EXHIBIT</u> |                                                     | <u>SPECIFICATIONS</u>          |   |
| 7.7                                                                  | <u>Handling Equipment Storage Facility Criteria</u> | S-133-30-30                    | R |
|                                                                      |                                                     | DO                             |   |
|                                                                      |                                                     | DO                             |   |
|                                                                      | 62-83                                               |                                |   |
|                                                                      | 62-51,<br>62-80                                     |                                |   |
|                                                                      | 62-77,<br>62-75                                     |                                |   |
| 7.8                                                                  | <u>Maintenance Crew Dispatch Facility Criteria</u>  | 62-90 S-133-30-30<br>AFBM 60-1 | R |
|                                                                      | 62-123                                              |                                |   |
|                                                                      |                                                     | S-133-30-30                    |   |
|                                                                      | 62-83                                               |                                |   |
|                                                                      | 62-51,<br>62-80                                     |                                |   |
|                                                                      | 62-77,<br>62-75                                     |                                |   |
| 8.0                                                                  | <u>Maintenance and Operations Control</u>           | S-133-30-30                    | R |
|                                                                      |                                                     | DO                             |   |
|                                                                      |                                                     | DO                             |   |
|                                                                      | 62-83                                               |                                |   |
|                                                                      | 62-51,<br>62-80                                     |                                |   |
|                                                                      | 62-77,<br>62-75                                     |                                |   |

TABLE 6.0-1

WEAPON-SYSTEM REQUIREMENTS FOR WING VI STRATEGIC MISSILE SUPPORT BASE - Continued

| TECHNICAL SUBJECT HEADINGS FOR<br>SMSB DESIGN CRITERIA (Documents D2-30083-1&2) BSD EXHIBIT |                                           | OTHER<br>SPECIFICATIONS |   |
|---------------------------------------------------------------------------------------------|-------------------------------------------|-------------------------|---|
| 9.0                                                                                         | <u>Proof Lead Test Facility</u>           | S-133-30-30             | R |
|                                                                                             |                                           | DO                      |   |
|                                                                                             |                                           | DO                      |   |
|                                                                                             | 62-83                                     |                         |   |
|                                                                                             | 62-51,<br>62-80                           |                         |   |
|                                                                                             | 62-77,<br>62-75                           |                         |   |
| 10.0                                                                                        | <u>AFW Supply/Warehouse</u>               | S-133-30-30             | R |
|                                                                                             |                                           | DO                      |   |
|                                                                                             |                                           | DO                      |   |
|                                                                                             | 62-83                                     |                         |   |
|                                                                                             | 62-51,<br>62-80                           |                         |   |
|                                                                                             | 62-77<br>62-75                            |                         |   |
|                                                                                             | 62-123                                    |                         |   |
| PART III - MISSILE HANDLING FACILITIES                                                      |                                           |                         |   |
| 11.0                                                                                        | <u>Transient Missile Holding Facility</u> | 62-94,<br>62-92         | R |
|                                                                                             |                                           | S-133-30-30             |   |
|                                                                                             | 62-149                                    | DO                      |   |
|                                                                                             | 62-83                                     |                         |   |
|                                                                                             | 62-51,<br>62-80                           |                         |   |
|                                                                                             | 62-77,<br>62-75                           |                         |   |

TABLE 6.0-1

WEAPON-SYSTEM REQUIREMENTS FOR WING VI STRATEGIC MISSILE SUPPORT BASE - Continued

| TECHNICAL SUBJECT HEADINGS FOR                             | OTHER | SPECIFICATIONS |
|------------------------------------------------------------|-------|----------------|
| SMSB DESIGN CRITERIA (Documents 02-30083-1A-2) BSD EXHIBIT |       |                |

|                                                    |        |             |   |
|----------------------------------------------------|--------|-------------|---|
| 12.0 <u>Missile Transfer Facility</u>              | 62-92  |             | R |
|                                                    |        | S-133-30-30 |   |
|                                                    | 62-149 | D0          |   |
|                                                    | 62-83  |             |   |
|                                                    | 62-51, |             |   |
|                                                    | 62-80  |             |   |
|                                                    | 62-77, |             |   |
|                                                    | 62-75  |             |   |
| 13.0 <u>Rail Unloading Facilities</u>              | 62-94, |             | R |
|                                                    | 62-92  |             |   |
|                                                    |        | S-133-30-30 |   |
|                                                    | 62-149 | D0          |   |
|                                                    | 62-83  |             |   |
|                                                    | 62-51, |             |   |
|                                                    | 62-80  |             |   |
|                                                    | 62-77, |             |   |
|                                                    | 62-75  |             |   |
| 14.0 <u>Aircraft Unloading Facilities Criteria</u> | 62-93  |             | R |
|                                                    | 62-94  |             |   |
|                                                    |        | S-133-30-30 |   |
|                                                    | 62-149 | D0          |   |
|                                                    | 62-83  |             |   |
|                                                    | 62-51, |             |   |
|                                                    | 62-80  |             |   |
|                                                    | 62-77, |             |   |
|                                                    | 62-75  |             |   |