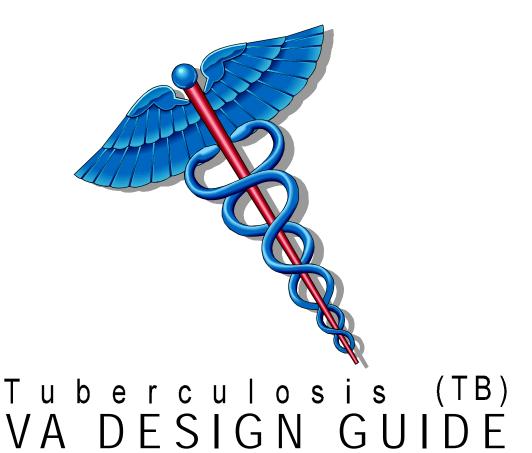
PRIMER SERIES

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Veterans Health Administration Washington, DC 20420

First Draft

Department of Veterans Affairs Facilities Quality Office Office of Facilities Management Standards Service

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VA DESIGN GUIDE Tuberculosis Primer

DRAFT

DEPARTMENT OF VETERANS AFFAIRS VETERANS HEALTH ADMINISTRATION FACILITIES MANAGEMENT OFFICE

Foreword

The material contained in the Tuberculosis Primer is the culmination of a partnering effort by the Department of Veterans Affairs Veterans Health Administration, and the Facilities Quality Office. The goal of the Primer is to simplify the design process and to ensure the quality of VA facilities while controlling construction and operating costs.

This document is intended to be used as a guide and to supplement current technical manuals and other VA criteria in planning for the prevention of the spread of Tuberculosis. The Design Guide is not to be used as a standard design and use of the Design Guide does not preclude the need for a functional and physical design program for each specific project. It is the project Architects and Engineers responsibility to develop a complete and accurate project design that best meets the users needs and applicable code requirements.

Lloyd H. Siegel, FAIA Director, Facilities Quality Office

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Section 1

Introduction, Acknowledgments, Abbreviations Legend of Symbols

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Introduction

The Tuberculosis Design Guide Primer is intended to be a graphic consolidation of existing Department of Veterans Affairs standards and criteria. It contains data from the following sources:

- Master Construction Specifications PG-18-1
- Construction Standards H-18-3
- Standard Details PG-18-4
- Equipment Guide List PG-7610
- List of Equipment symbols PG-18-6
- Space Planning Criteria PG-7610
- Barrier-Free Design Handbook H-18-13
- Room Finish and Door Hardware Schedule
 PG-18-14
- Various Technical Criteria (Design Manuals) pertaining to Architectural, HVAC, Plumbing, and Electrical.

Ambulatory Care Program Division

Surgery Program Division

The Design Guide refers to the above mentioned sources when data is either too detailed or too broad to be included in this guide.

The Design Guide for Tuberculosis Design Guide Primer was developed as a design tool to assist the medical center staff and the contracting officers in better understanding the choices that designers ask them to make, and to help designers understand the functional requirements necessary for a proper approach towards addressing Tuberculosis (TB) within our VA facilities. The Guide Plate contained in the Tuberculosis Design Guide Primer is intended as illustrations of VA's furniture, equipment and personnel space needs. It is not meant to limit design opportunities.

This Design Guide Primer is not intended to be project-specific. It is important to note that the guide plate contained in this TB Primer is a generic graphic representation only.

Equipment manufacturers should be consulted for actual dimensions and utility requirements. Use of this Design Guide Primer does not supersede the project architect's and engineers' responsibilities to develop a complete and accurate design that meets the user's needs and the appropriate code requirements.

Acknowledgments

Credit is due to the following individuals whose guidance, advice, and effort made this publication possible:

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Abbreviations

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MTDMountedNANot Procured with Activation FundsNFPANational Fire Protection AssociationNSFNet Square Feet	LLTS	-
NANot Procured with Activation FundsNFPANational Fire Protection AssociationNSFNet Square Feet	MCS	Master Construction Specifications
NFPA National Fire Protection Association NSF Net Square Feet	MTD	Mounted
NSF Net Square Feet		Not Procured with Activation Funds
NSM Net Square Meters		
	NSM	Net Square Meters

OSD	Open Site Drain
PBPU	Patient Bedside Power Unit
PCP	Portland Cement Plaster
PH	Phase
PL	Plaster
PREP	Preparation
PSIG	Pounds per Square Inch Gauge
PT	Paper Towel Dispenser
QT	Quarry Tile
RB	Resilient Base
SC	Special Coating (High Build Glazed
	Coating)
SD	Standard Detail / Soap Dispenser
SF	Square Feet, Square Foot
S/KI	Suspected or Known Infectious TB
SPD	Supply, Processing, and Distribution
SOPC	
	Satellite Outpatient Clinic Stainless Steel
SS	
TELEC	Telecommunications
UFAS	Uniform Federal Accessibility
	Standards
V	Volts
VA	Department of Veterans Affairs
VACO	Veterans Affairs Central Office
VAMC	Veterans Affairs Medical Center
VC	VA Furnished and Contractor Installed
	Medical Care Appropriation for
	Equipment and Construction
	Appropriations for Installation
VCT	Vinyl Composition Tile
VHA	Veterans Health Administration
VIA	VA Furnished and Installed-VHA
vv	
14/	Appropriation
W	Watts
W/sf	Watts per Square Foot
W/m ²	Watts per square meter

Legend of Symbols

System	Description of Symbol	Symbol
Power Receptacles	DUPLEX RECEPTACLE, NEMA 5-20R - 20 AMP - MOUNTED 18" AFF UNLESS OTHERWISE NOTED	ю
	DUPLEX RECEPTACLE, NEMA 5-20R - 20 AMP - MOUNTED ABOVE COUNTER TOP	⊨⊖ _A
	DUPLEX RECEPTACLE WITH GROUND FAULT INTERRUPTER, NEMA 5-20R - 20 AMP - MOUNTED 18'' AFF UNLESS OTHERWISE NOTED	⊨⊖ _{GFI}
	DUPLEX RECEPTACLE WITH GROUND FAULT INTERRUPTER, NEMA 5-20R - 20 AMP - MOUNTED ABOVE COUNTER TOP	⊨⊖ _{gfi-a}
	WEATHERPROOF DUPLEX RECEPTACLE WITH GFI, NEMA 5-20R - 20 AMP - MOUNTED 18'' AFF UNLESS OTHERWISE NOTED	⊨⊖ _{wp}
	QUADRAPLEX OUTLET, NEMA 5-20R - 20 AMP - MOUNTED 18'' AFF OR QUADRAPLEX OUTLET, NEMA 5-20R - 20 AMP - PEDESTAL-MOUNTED	i∰
	QUADRAPLEX OUTLET, NEMA 5-20R - 20 AMP - MOUNTED ABOVE COUNTER TOP	⊨⊕ _A
	QUADRADUPLEX OUTLET WITH GROUND FAULT INTERRUPTER, NEMA 5-20R - 20 AMP - MOUNTED 18" AFF UNLESS OTHERWISE NOTED	F⊕ _{GF1}
	QUADRADUPLEX OUTLET WITH GROUND FAULT INTERRUPTER, NEMA 5-20R - 20 AMP - MOUNTED ABOVE COUNTER TOP	₩ GF1-A
	DUPLEX RECEPTACLE, NEMA 5-20R - 20 AMP - EMERGENCY POWER - MOUNTED 18" AFF UNLESS OTHERWISE NOTED	⊨ ⊕
	QUADRAPLEX RECEPTACLE, NEMA 5-20R - 20 AMP - Emergency power	⊨ ⊕
	SPECIAL RECEPTACLE - TYPE AS NOTED	ΗØ
	TELEVISION OUTLET - MOUNTED 18" AFF UNLESS OTHERWISE NOTED	$\neg \rightarrow$
	ELECTRICAL STRIP MOLD - NEMA 5-20R RECEPTACLES AT 2''-0'' INTERVALS	
	BATTERY POWERED CLOCK	HC
	CIRCUIT BREAKER	CB

Legend of Symbols (cont.)

System	Description of Symbol	Symbol
Switches	SINGLE POLE SWITCH	Ş
	SINGLE POLE SWITCH - SUFFIX OF "a", "b", OR "c" INDICATES SEPARATE CONTROL OF FIXTURE(S) WITH SAME DESIGNATION	۶°
	DIMMER SWITCH	Şp
	THREE-WAY SWITCH	Ş ³
	DOOR SWITCH	DS
	FUSED OR UNFUSED DISCONNECT SWITCH	
	EMERGENCY POWER OFF (EPO) PUSH BUTTON	EPO H•
Lighting	2' x 2' FLUORESCENT FIXTURE	
	1'x 4'FLUORESCENT FIXTURE	
	2'x 4'FLUORESCENT FIXTURE	\bigcirc
	WALL-MOUNTED FLUORESCENT FIXTURE	
	2'x 2'FLUORESCENT FIXTURE - Emergency power	
	2'x 4'FLUORESCENT FIXTURE - Emergency power	
	WALL-MOUNTED FLUORESCENT FIXTURE - Emergency power	
	WALL MOUNTED LIGHT FIXTURE - TYPE AS NOTED	нÓ
	LIGHT FIXTURE - TYPE AS NOTED	0

Legend of Symbols (cont.)

System	Description of Symbol	Symbol
Communi- cations	TELEPHONE OUTLET - MOUNTED 18" AFF UNLESS OTHERWISE NOTED	
	WALL-MOUNTED TELEPHONE OUTLET - MOUNTED 48'' AFF UNLESS OTHERWISE NOTED	⊲ _w
	COMPUTER TERMINAL OUTLET - VERIFY EXACT NEEDS - PROVIDE SIGNAL OUTLET AS REQ'D	ĸ
	SPEAKER - CEILING-MOUNTED	S
	INTERCOM OUTLET	
	NURSE CALL DOME LIGHT - CEILING-MOUNTED	N
	NURSE CALL DOME LIGHT - WALL-MOUNTED	HN
	NURSE CALL DUTY STATION	-[N] _D
	EMERGENCY NURSE CALL STATION	- <u>N</u> _E
	NURSE CALL STAFF STATION	-[N] _s
	VOLUME CONTROL - WALL MOUNTED	μŴ
Sp. Outlets	JUNCTION BOX - PURPOSE AND LOCATION AS NOTED	Ū
Mechanical	SUPPLY AIR DIFFUSER	
	RETURN OR EXHAUST AIR REGISTER OR GRILLE	
	ROOM THERMOSTAT	-①
Plumbing	COMBINATION FAUCET HOSE BIBB	
	MEDICAL GAS OUTLET	