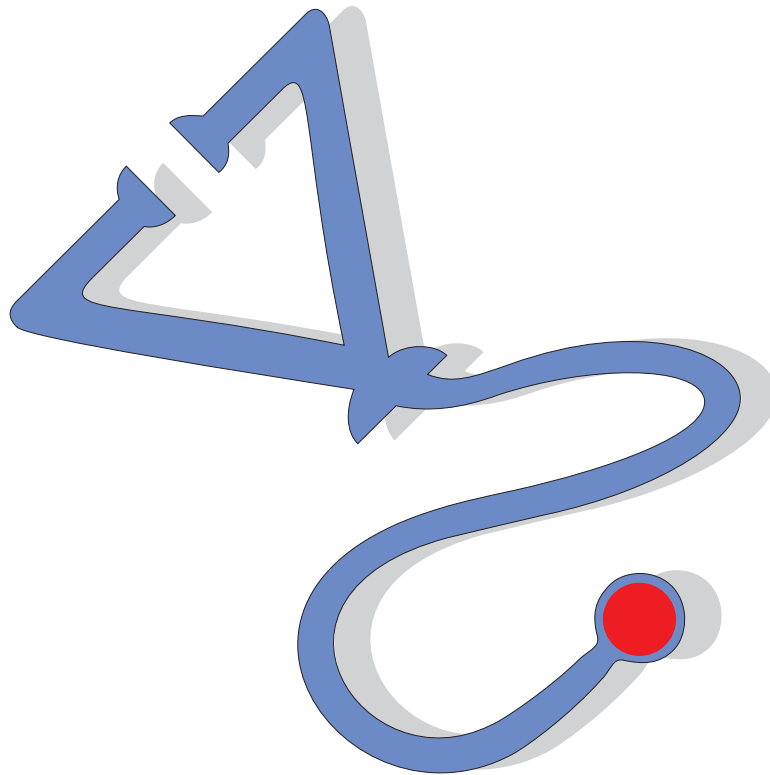


March 1997



Ambulatory Care Invasive Procedures Suite  
**VA DESIGN GUIDE**

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*Veterans Health Administration Washington, DC 20420*

**First Draft**

**NOTE:** This VA Design Guide was developed based on draft guidelines which have not been officially approved.

*Department of Veterans Affairs*  
Facilities Quality Office

Office of Facilities Management  
Standards Service

**VA DESIGN GUIDE  
AMBULATORY CARE  
INVASIVE  
PROCEDURES  
SUITE**

FIRST DRAFT

DEPARTMENT OF VETERANS  
AFFAIRS VETERANS HEALTH  
ADMINISTRATION FACILITIES  
MANAGEMENT OFFICE

## Foreword

The material contained in the Ambulatory Care Invasive Procedures Suite Guide is the culmination of a partnering effort by the Department of Veterans, the Department of Veterans Affairs Veterans Health Administration, and the Facilities Quality Office. The goal of the Design Guide 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 an Ambulatory Care Invasive Procedures Suite. 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.

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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 Ambulatory Care Invasive Procedures Suite Design Guide 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.
- Consensus information from various VA medical centers.
- 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 Ambulatory Care Invasive Procedures Suite 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 proper operation of the Ambulatory Care Invasive Procedures Suite.

The Guide Plates contained in Ambulatory Care Invasive Procedures Suite Design Guide are intended as illustrations of VA's furniture, equipment and personnel space needs. They are not meant to limit design opportunities.

This Design Guide is not intended to be project-specific. While it does contain the vast majority of spaces required in the Ambulatory Care Invasive Procedures Suite, it is not possible to foresee all future requirements. The project-specific space program is the basis for an individual project design. It is important to note that the guide plates are a generic graphic representation only.

Equipment manufacturers should be consulted for actual dimensions and utility requirements. Use of this Design Guide 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.

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

# Abbreviations

A	Amperes	PREP	Preparation
AC/HR	Air Changes per Hour	PSIG	Pounds per Square Inch Gauge
ADA	Americans with Disabilities Act	QT	Quarry Tile
AFF	Above Finished Floor	RB	Resilient Base
AI	Acquisition and Installation	SC	Special Coating (High Build Glazed Coating)
A&MM	Acquisitions and Material Management	SD	Standard Detail
AR	As Required	SF	Square Feet, Square Foot
AT	Acoustical Ceiling Tile	SPD	Supply, Processing, and Distribution
C	Degrees Celsius	SOPC	Satellite Outpatient Clinic
CC	Contractor Furnished and Installed, Construction Funds	SS	Stainless Steel
CF	Construction Funds, VA Furnished, Installed by VA or Contractor	TELEC	Telecommunications
CFM	Cubic Feet per Minute	UFAS	Uniform Federal Accessibility Standards
CLG	Ceiling	V	Volts
CMU	Concrete Masonry Unit	VA	Department of Veterans Affairs
CP	Carpet (without cushion broadloom)	VACO	Veterans Affairs Central Office
CS	Construction Standard	VAMC	Veterans Affairs Medical Center
CT	Ceramic Tile	VC	VA Furnished and Contractor Installed -- Medical Care Appropriation for Equipment and Construction Appropriations for Installation
DISCSW	Disconnect Switch	VCT	Vinyl Composition Tile
EASS	Electronic Access Security System	VHA	Veterans Health Administration
EtO	Ethylene Oxide Gas	VV	VA Furnished and Installed-VHA Appropriation
EXH	Exhaust	W	Watts
F	Degrees Fahrenheit	W/SF	Watts per Square Feet
FC	Foot-candle	W/SM	Watts per square meter
FD	Floor Drain	W/m <sup>2</sup>	Watts per square meter
FIXT	Fixture		
FLUOR	Fluorescent		
FM	Facilities Management Office		
GFI	Ground Fault Interrupter		
GWBD	Gypsum Wallboard		
HAC	Housekeeping Aids Closet		
HVAC	Heating, Ventilation, and Air Conditioning		
HP	Horsepower		
HR	Hour		
ICU	Intensive Care Unit		
K	Kelvin		
KW	Kilowatt		
LB	Pound/Pounds		
LLTS	Lounge, Lockers, Toilets, and Showers		
MCS	Master Construction Specifications		
MTD	Mounted		
NA	Not Procured with Activation Funds		
NFPA	National Fire Protection Association		
NSF	Net Square Feet		
NSM	Net Square Meters		
OSD	Open Site Drain		
PCP	Portland Cement Plaster		
PH	Phase		
PL	Plaster		



# Legend of Symbols

First Draft 3-15-97

System	Description of Symbol	Gr. Symbol
Power Receptacles	DUPLEX RECEPTACLE, NEMA 5-20R - 20 AMP - MOUNTED 18" AFF UNLESS OTHERWISE NOTED	
	DUPLEX RECEPTACLE, NEMA 5-20R - 20 AMP - MOUNTED ABOVE COUNTER TOP	
	DUPLEX RECEPTACLE WITH GROUND FAULT INTERRUPTER, NEMA 5-20R - 20 AMP - MOUNTED 18" AFF UNLESS OTHERWISE NOTED	
	DUPLEX RECEPTACLE WITH GROUND FAULT INTERRUPTER, NEMA 5-20R - 20 AMP - MOUNTED ABOVE COUNTER TOP	
	WEATHERPROOF DUPLEX RECEPTACLE WITH GFI, NEMA 5-20R - 20 AMP - MOUNTED 18" AFF UNLESS OTHERWISE NOTED	
	QUADRAPLEX OUTLET, NEMA 5-20R - 20 AMP - MOUNTED 18" AFF OR QUADRAPLEX OUTLET, NEMA 5-20R - 20 AMP - PEDESTAL-MOUNTED	
	QUADRAPLEX OUTLET, NEMA 5-20R - 20 AMP - MOUNTED ABOVE COUNTER TOP	
	QUADRADUPLEX OUTLET WITH GROUND FAULT INTERRUPTER, NEMA 5-20R - 20 AMP - MOUNTED 18" AFF UNLESS OTHERWISE NOTED	
	QUADRADUPLEX OUTLET WITH GROUND FAULT INTERRUPTER, NEMA 5-20R - 20 AMP - MOUNTED ABOVE COUNTER TOP	
	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	
	TELEVISION OUTLET	
	ELECTRICAL STRIP MOLD - NEMA 5-20R RECEPTACLES AT 2"-0" INTERVALS	
BATTERY POWERED CLOCK		













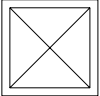
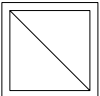



# Legend of Symbols (cont.)

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System	Description of Symbol	Gr. Symbol
Switches	SINGLE POLE SWITCH	
	SINGLE POLE SWITCH - SUFFIX OF "a", "b", OR "c" INDICATES SEPARATE CONTROL OF FIXTURE(S) WITH SAME DESIGNATION	
	DIMMER SWITCH	
	THREE-WAY SWITCH	
	DOOR SWITCH	
	FUSED OR UNFUSED DISCONNECT SWITCH	
	EMERGENCY POWER OFF (EPO) PUSH BUTTON	
Lighting	2' x 2' FLUORESCENT FIXTURE	
	1' x 4' FLUORESCENT FIXTURE	
	2' x 4' FLUORESCENT FIXTURE	
	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	
	LIGHT FIXTURE - TYPE AS NOTED	
	NURSE CALL DOME LIGHT - CEILING MOUNTED	

# Legend of Symbols (cont.)

First Draft 3-15-97

System	Description of Symbol	Gr. Symbol
Communi- cations	TELEPHONE OUTLET - MOUNTED 18" AFF UNLESS OTHERWISE NOTED	
	WALL-MOUNTED TELEPHONE OUTLET - MOUNTED 48" AFF UNLESS OTHERWISE NOTED	
	COMPUTER TERMINAL OUTLET - VERIFY EXACT NEEDS - PROVIDE SIGNAL AND POWER OUTLET AS REQ'D	
	SPEAKER - CEILING-MOUNTED	
	INTERCOM OUTLET	
	NURSE CALL DOME LIGHT - CEILING-MOUNTED	
	NURSE CALL DOME LIGHT - WALL-MOUNTED	
	NURSE CALL DUTY STATION	
	EMERGENCY NURSE CALL	
	NURSE CALL STAFF STATION	
	VOLUME CONTROL - WALL MOUNTED	
Sp. Outlets	JUNCTION BOX - PURPOSE AND LOCATION AS NOTED	
Mechanical	SUPPLY AIR DIFFUSER	
	RETURN OR EXHAUST AIR REGISTER OR GRILLE	
	ROOM THERMOSTAT - MOUNTED 5' AFF	
	ROOM HUMIDISTAT - MOUNTED 5' AFF	
Plumbing	COMBINATION FAUCET HOSE BIBB	
	MEDICAL GAS OUTLET	