

*Department of Veterans Affairs*

# **SUPPLY, PROCESSING & DISTRIBUTION Design Guide**



Office of Acquisition and Materiel Management  
Distribution Programs Division  
Office of Construction Management  
Facilities Quality Office  
Standards Service

## Foreword

The material contained in the Supply, Processing, and Distribution (SPD) Design Guide is the culmination of a partnering effort by the Department of Veterans Affairs Office of Acquisition and Materiel Management and the Facilities Quality Office. The goal of the Design Guide is to ensure the quality of VA facilities while controlling construction and operating costs.

This document is intended to be used as a guide and a supplement to current technical manuals and other VA criteria in the planning of SPD facilities. The Design Guide is not to be used as a standard design, and use of this Design Guide does not limit the project Architects' and Engineers' responsibilities to develop a complete and accurate project design that best meets the users' needs and applicable code requirements.

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## Introduction

The SPD 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:

- H-7610 Space Planning Criteria
- H-08-3 Construction Standards
- H-08-4 Standard Details
- H-08-13 Barrier-Free Design Handbook
- PG-7610 Equipment Guide List
- PG-08-1 Master Construction Specifications
- PG-08-6 List of Equipment Symbols
- PG-08-10 Design Manuals
- PG-08-14 Room Finish and Door Hardware Schedule
- Consensus information from SPD Chiefs of various VA Medical Centers.
- Distribution Programs 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 Supply, Processing, and Distribution was developed as a design tool to assist health care professionals in better understanding the choices that designers ask them to make, and to help designers understand the functional requirements necessary for proper operation of SPD.

The guide plates contained in the SPD Design Guide are intended as illustrations of VA's space needs (e.g., furniture, equipment, personnel, etc.). They are not meant to limit design opportunities.

**This Design Guide is not intended to be project specific.** While it does contain the majority of spaces that now are required in SPD, it is not possible to encompass all possible future requirements. Therefore, it is recommended that the project-specific space program be the starting point for an individual project design. In addition, 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 compromise the project Architects' and Engineers' responsibilities to develop a complete and accurate design that meets the user's needs and appropriate code requirements.

# Abbreviations

A.....	Amperes	GFI.....	Ground Fault Interrupter
AC/HR .....	Air Changes Per Hour	GWB .....	Gypsum Wallboard
ADA.....	Americans with Disabilities Act	HAC .....	Housekeeping Aids Closet
AFF .....	Above Finished Floor	HVAC .....	Heating, Ventilation, and Air Conditioning
AI.....	Acquisition and Installation	HP.....	Horsepower
A&MM.....	Acquisition and Materiel Management	HR.....	Hour
AR .....	As Required	ICU.....	Intensive Care Unit
AT.....	Acoustical Ceiling Tile	KW .....	Kilowatt
C.....	Degrees Celcius	LB .....	Pound/Pounds
CC .....	Contractor Furnished and Installed — Construction Funds for Equipment and Installation	LLTS .....	Lounge, Lockers, Toilets, and Showers
CF .....	Construction Funds — For VA Furnishing of Equipment and/or Installation	MCS.....	Master Construction Specifications
CFM.....	Cubic Feet per Minute	MTD .....	Mounted
CLG.....	Ceiling	NA.....	Not Procured with Activation Funds
CM.....	Office of Construction Management	NFPA .....	National Fire Protection Association
CMU .....	Concrete Masonry Unit	NSF.....	Net Square Feet
CP .....	Carpet (without cushion broadloom)	NSM.....	Net Square Meters
CS .....	Construction Standard	OSD .....	Open Site Drain
CT .....	Ceramic Tile	PCP .....	Portland Cement Plaster
DISC SW .....	Disconnect Switch	PH.....	Phase
EtO .....	Ethylene Oxide Gas	PL .....	Plaster
EXH .....	Exhaust	PREP .....	Preparation
F .....	Degrees Fahrenheit	PSIG .....	Pounds per Square Inch Gauge
FC .....	Foot-candle	QT.....	Quarry Tile
FD .....	Floor Drain	RB.....	Resilient Base
FIXT .....	Fixture	SC.....	Special Coating (High Build Glazed Coating)
FLUOR .....	Fluorescent	SD.....	Standard Detail
		SF .....	Square Feet, Square Foot

SPD ..... Supply, Processing, and  
Distribution

SOPC ..... Satellite Outpatient Clinic

SS..... Stainless Steel

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 Funds for  
Installation

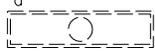
VCT ..... Vinyl Composition Tile

VHA ..... Veterans Health Administration

VV..... VA Furnished and Installed —  
Medical Care Appropriation for  
Equipment and Installation

W ..... Watts

# Legend of Symbols

System	Description of Symbol	Graphic Symbol
<b>Power Receptacles</b>	DUPLEX RECEPTACLE - 20AMP - MOUNTED 18" AFF UNLESS OTHERWISE NOTED	
	DUPLEX RECEPTACLE WITH GROUND FAULT INTERRUPTER 20AMP - MOUNTED 18" AFF UNLESS OTHERWISE NOTED	
	WEATHERPROOF DUPLEX RECEPTACLE WITH GFI 20AMP - MOUNTED 18" AFF UNLESS OTHERWISE NOTED	
	QUADRAPLEX OUTLET 20AMP MOUNTED 18" AFF OR PEDESTAL MOUNTED	
	ELECTRICAL STRIP MOLD 20AMP OUTLETS AT 2'-0" INTERVALS	
	BATTERY POWERED CLOCK	
<b>Switches</b>	SINGLE POLE SWITCH	
	SINGLE POLE SWITCH-SUFFIX OF "a", "b", "c" INDICATES SEPARATE CONTROL OF FIXTURE(S) WITH SAME DESIGNATION	
	FUSED OR UNFUSED DISCONNECT SWITCH	
<b>Lighting</b>	1' x 4' FLUORESCENT FIXTURE	
	2' x 4' FLUORESCENT FIXTURE	
<b>Communi-cations</b>	TELEPHONE OUTLET MOUNTED 18" AFF UNLESS OTHERWISE NOTED	
	COMPUTER TERMINAL OUTLETS - VERIFY EXACT NEEDS PROVIDE SIGNAL & POWER OUTLET(S) AS REQ'D	
	RECESSED SPEAKER OUTLET	
	INTERCOM OUTLET	
<b>Special Outlets</b>	JUNCTION BOX - PURPOSE AND LOCATION AS NOTED	
<b>Mechanical</b>	SUPPLY AIR DIFFUSER	
	EXHAUST AIR REGISTER OR GRILLE	
	THERMOSTAT	
<b>Plumbing</b>	COMBINATION FAUCET HOSE BIBB	
	OXYGEN, COMPRESSED AIR, AND VACUUM OUTLETS	