

# STANDARDS UPDATE

## JANUARY 2010

Department of Veterans Affairs



Office of Construction & Facilities  
Management

Strategic Management Office

Facilities Quality Service

### Master Specifications (PG-18-1) <http://www.cfm.va.gov/TIL/spec.asp>

#### Revised (5)

Spec. No.	Specification Section Title	File Name	Document Date
00 01 10	Table of Contents	000110.doc	01-10
08 14 00	Interior Wood Doors	081400.doc	01-10
08 71 13 11	Low Energy Power Assist Door Operators	08711311.doc	01-10
27 51 16	Public Address and Mass Notification Systems	275116.doc	01-10
27 52 23	Nurse Call and Code Blue Systems	275223.doc	01-10

#### Note:

The Standards Update is currently being revised to make it more 21<sup>st</sup> Century and user friendly. The web addresses of each document group are now provided, so stay tuned, there are more changes to come.

# STANDARDS UPDATE

## FEBRUARY 2010

Department of Veterans Affairs

◆ Office of Construction & Facilities  
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Strategic Management Office

Facilities Quality Service

### Master Specifications (PG-18-1) <http://www.cfm.va.gov/TIL/spec.asp>

#### New (1)

Spec. No.	Specification Section Title	File Name	Document Date
25 10 10	Advanced Utility Metering System	251010.doc	02-10

#### Deleted (2)

Spec. No.	Specification Section Title	File Name	Document Date
26 09 13	Electrical Power Monitoring and Control	260913.doc	
26 27 13	Electricity Meter	262713.doc	

#### Revised (21)

Spec. No.	Specification Section Title	File Name	Document Date
00 01 10	Table of Contents	000110.doc	02-10
02 82 13.19	Asbestos Floor Tile and Mastic Abatement	02821319.doc	02-10
07 54 19	Thermoplastic Polyolefin (TPO) Roofing	075419.doc	02-10
22 05 19	Meters and Gages for Plumbing Piping	220519.doc	02-10
22 33 00	Electric Domestic Water Heaters	223300.doc	02-10

22 34 00	Fuel-Fired Domestic Water Heaters	223400.doc	02-10
22 35 00	Domestic Water Heat Exchangers	223500.doc	02-10
23 09 11	Instrumentation and Control for Boiler Plant	230911.doc	02-10
23 21 13	Hydronic Piping	232113.doc	02-10
23 21 23	Hydronic Pumps	232123.dco	02-10
23 22 13	Steam and Condensate Heating Piping	232213.doc	02-10
23 22 23	Steam Condensate Pumps	232223.doc	02-10
23 23 00	Refrigerant Piping	232300.doc	02-10
23 25 00	HVAC Water Treatment	232500.doc	02-10
23 31 00	HVAC Ducts and Casings	233100.doc	02-10
23 64 00	Packaged Water Chillers	236400.doc	02-10
23 65 00	Cooling Towers	236500.doc	02-10
23 73 00	Indoor Central-Station Air-Handling Unites	237300.doc	02-10
32 84 00	Planting Irrigation	328400.doc	02-10
33 10 00	Water Utilities	331000.doc	02-10
33 51 00	Natural-Gas Distribution	335100.doc	02-10
33 63 00	Steam Energy Distribution	336300.doc	02-10

# STANDARDS UPDATE

## MARCH 2010

Department of Veterans Affairs

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### Master Specifications (PG-18-1) <http://www.cfm.va.gov/TIL/spec.asp>

#### Revised (8)

<b>Spec. No.</b>	<b>Specification Section Title</b>	<b>File Name</b>	<b>Document Date</b>
00 01 10	Table of Contents	000110.doc	03-10
02 82 13.19	Asbestos Floor Tile and Mastic Abatement	02821319.doc	03-10
05 21 00	Steel Joist Framing	052100.doc	03-10
07 22 00	Roof and Deck Insulation	072200.doc	03-10
08 51 13	Aluminum Windows	085113.doc	03-10
23 21 13	Hydronic Piping	232113.doc	03-10
23 22 13	Steam and Condensate Heating Piping	232213.doc	03-10
23 36 00	Air Terminal Units	233600.doc	03-10

# STANDARDS UPDATE

## APRIL 2010

Department of Veterans Affairs

◆ Office of Construction & Facilities Management

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### Design Guide <http://www.cfm.va.gov/til/dGuide.asp>

Revised (1)	File Name	Document Date
<b>Title</b>		
Supply Processing & Distribution (SPD)		
Foreword, Acknowledgements, Narrative, functional Diagrams	dgSPD01.pdf	02-10
Guide Plates	dgSPD02.pdf	02-10
Guide Plates (cont.) & Appendix	dgSPD03.pdf	02-10
Design Guide Index	dgIndex.doc	04-10

### Design Manual <http://www.cfm.va.gov/til/sustain.asp>

New (1)	File Name	Document Date
<b>Title</b>		
New Sustainability and Energy Reduction Design Manual	Sustain.pdf	04-10
Design Manual Index	dManualIdx.doc	04-10

## Master Specifications (PG-18-1) <http://www.cfm.va.gov/TIL/spec.asp>

### New (1)

Spec. No.	Specification Section Title	File Name	Document Date
09 67 23 60	Resinous (Urethane and Epoxy Mortar) Flooring (RES-6)	09672360.doc	04-10

### Revised (13)

Spec. No.	Specification Section Title	File Name	Document Date
00 01 10	Table of Contents	000110.doc	04-10
01 32 16 13	Network Analysis Schedules	01321613.doc	04-10
01 32 16 15	Project Schedules (Small Projects – Design/Bid/Build)	01321615.doc	04-10
01 32 16 16	Network Analysis Schedules (Design-Build Only)	01321616.doc	04-10
02 82 13 19	Asbestos Floor Tile and Mastic Abatement	02821319.doc	04-10
08 51 13 11	Side-Hinged Aluminum Windows	08511311.doc	04-10
09 94 19	Multicolor Interior Finishing	099419.doc	04-10
09 96 59	High-Build Glazed Coatings	099659.doc	04-10
32 05 23	Cement and Concrete for Exterior Improvements	320523.doc	04-10
32 14 16	Brick Unit Paving	321416.doc	04-10
32 17 23	Pavement Markings	321723.doc	04-10
32 84 00	Planting Irrigation	328400.doc	04-10

# STANDARDS UPDATE

May 2010 (rev1)

Department of Veterans Affairs

◆ Office of Construction & Facilities  
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## Project Document Requirements -<http://www.cfm.va.gov/til/projReq.asp>

<b>New (1)</b>	<b>File Name</b>	<b>Document Date</b>
<b>Title</b>		
The VA BIM GUIDE	VA-BIM-GUIDE.pdf	05-10

## Program Guide (PG 18-14) - <http://www.cfm.va.gov/til/>

<b>Revised (1)</b>	<b>File Name</b>	<b>Document Date</b>
<b>Title</b>		
Room Finishes, Door, & Hardware Schedule	RoomFinishes.pdf	03-10

## Studies – Innovative 21<sup>st</sup> Century Building Environments for VA Healthcare Delivery - <http://www.cfm.va.gov/til/spcIRqmts.asp#innov>

<b>Title</b>	<b>File Name</b>	<b>Document Date</b>
<b>New</b>		
Executive Summary	VA21stCenturyExSum.pdf	05-10
Part 1	VA21stCenturyPart1.pdf	05-10
Part 2	VA21stCenturyPart2.pdf	05-10

## DesignALERTS - <http://www.cfm.va.gov/til/alertDesign.asp>

Number	Date	Subject
<b>Modified (1)</b>		
Design Alert Index		dAlertIdx.doc
<b>Rescinded (49)</b>		
FM-181A-DA-124	2-23-06	Pharmacy Design – Compliance with U.S. Pharmacopeia (USP) 797 (Rescinded)
FM-181A-DA-123	4-5-05	Seismic Rehabilitation - Minor Project Quality Control
FM-181A-DA-122	10-26-04	Steam Trap Monitoring System (Rescinded)
FM-181A-DA-119	3-23-04	Refrigeration Systems Safety Standard, Update on ASHRAE Standard 15
FM-181A-DA-118	2-19-04	The Invasion of Periodical Cicadas
FM-181A-DA-116	2-15-06	Change in Requirement for Plaster Finish Walls and Ceilings (Rescinded)
FM-181A-DA-115	9-20-02	VA's Existing Facilities in Low & Moderate Seismic Zones
FM-181A-DA-101	10-12-99	Indoor Air Quality, Topic: Admitting and Waiting Rooms
FM-181A-DA-99	8-16-99	New VA Asbestos Abatement Specifications
FM-181A-DA-97	3-9-99	Refrigeration Equipment Certification
FM-187C-DA-96	1-19-99	HVAC Air Duct Leakage
FM-187C-DA-94	11-19-98	Model Codes used by each State
FM-187C-DA-92	10-26-98	Purge Systems
FM-187C-DA-90	8-17-98	Unsafe Baseboard Heater Thermostats
FM-187C-DA-88	4-9-98	HEPA Air Filters
FM-187C-DA-86	3-4-98	Energy Efficiency, Topic: Motor Efficiency
FM-187C-DA-84	2-6-98	Indoor Air Quality, Topic: Air Filtration
FM-187C-DA-83	1-29-98	Indoor Air Quality, Topic: Special Procedure Rooms
FM-187C-DA-82	1-15-98	Temperature Controls in Interior Spaces
FM-187C-DA-74	8-4-97	Climatic Design Information
FM-187C-DA-72	5-27-97	Paperless Electronic Recorders for Boiler Plant Monitoring
FM-187C-DA-70	4-25-97	Update on Chiller Efficiencies
FM-187C-DA-67	4-14-97	Cooling Tower Factory Tests
FM-187C-DA-66	3-10-97	Balancing Energy Reduction Vs. Patient Care
FM-187C-DA-64	2-18-97	Lead Lined Doors and Frames
FM-187C-DA-62	1-22-97	Year 2000 compliance issue (Rescinded)
FM-187C-DA-60	9-11-96	Engineering Criteria for TB Patient Rooms and Related Areas
FM-187C-DA-59	9-10-96	Biohazard Safety Cabinets



**DesignALERTS - <http://www.cfm.va.gov/til/alertDesign.asp>**

<b>Number</b>	<b>Date</b>	<b>Subject</b>
FM-187C-DA-58	8-29-96	Viability of HCFC-22 (R-22) Refrigerant (Rescinded)
FM-187C-DA-53	7-9-96	Desiccant Dehumidification
FM-187C-DA-52	4-8-96	Isolation Room Walls, Floors, and Ceilings
FM-187C-DA-38	6-21-95	Chiller Efficiency
FM-187C-DA-37	6-12-95	Domestic Water Heater Temperature
FM-187C-DA-36	5-18-95	Locking Systems
FM-187C-DA-35	2-19-98	Seismic Mechanical Details
FM-187C-DA-34	5-5-95	Mechanical Duct Insulation
FM-187C-DA-29	1-11-95	Patient Wall Systems (PBPU's) - Revised Master Construction Specification Section 16685
FM-187C-DA-28	12-22-94	Noise Criteria for Rooms - HVAC Design Criteria
FM-187C-DA-27	12-22-94	Veterinary Medical Units (Animal Research) - HVAC Design Criteria
FM-187C-DA-26	12-1-94	Isolation/Reverse Isolation Rooms - HVAC Design Criteria
FM-187C-DA-25	12-1-94	Building Structural Design Adequacy to Resist Lateral Forces
FM-187C-DA-23	11-23-94	Crushed Stone under Concrete Floor Slab on Grade
FM-187C-DA-19	11-18-94	Chiller Conversion to the new CFC-FREE Alternative Refrigerants
FM-187C-DA-12	10-31-94	Architectural Floor Plans and Finish Schedules Discrepancies
FM-187C-DA-10	10-25-94	Isolation Rooms, Bathrooms & Toilet Ceilings
FM-187C-DA-08	10-3-94	Mechanical Refrigeration Safety Code - Update on ASHRAE Standard 15 (Deleted)
FM-187C-DA-05	7-7-94	Existing HVAC Systems use for new work - Missing Analysis
FM-187C-DA-03	4-4-94	Quality Assurance for Welding- Master Construction Specification Section 15050 Basic Methods and Requirements (Mechanical)
FM-187C-DA-01	3-14-94	Steam Piping and Outdoor Ductwork - HVAC Design Criteria

## Master Specifications (PG-18-1) <http://www.cfm.va.gov/TIL/spec.asp>

Spec. No.	Specification Section Title	File Name	Document Date
<b>New (2)</b>			
09 67 23.30	Resinous (Epoxy Resin Composition) Motar Flooring (RES-3)	096723.30.doc	5-10
23 52 25	Low Pressure Water Heating Boilers	235225.doc	05-10
<b>Revised (9)</b>			
00 01 10	Table of Contents	000110.doc	05-10
06 20 00	Finish Carpentry	062000.doc	05-10
08 17 10	Integrated Door Assemblies	081710.doc	05-10
08 71 00	Door Hardware	087100.doc	05-10
08 80 00	Glazing	088000.doc	05-10
12 36 00	Countertops	123600.doc	05-10
23 09 23	Direct-Digital Control System for HVAC	230923.doc	05-10
23 73 00	Indoor Central-Station Air Handling Units	237300.doc	05-10

## NCA Specifications (PG-18-1) <http://www.cfm.va.gov/TIL/nca.asp>

Spec. No.	Specification Section Title	Document Date
<b>New (209)</b>		
00 01 10	Table of Contents	05-10
00 01 15	List of Drawing Sheets	05-10
01 00 00	General Requirements	05-10
01 32 16 13	Network Analysis Schedules	05-10
01 33 23	Shop Drawings, Product Data, and Samples	05-10

**NCA Specifications (PG-18-1)** <http://www.cfm.va.gov/TIL/nca.asp>

<b>Spec. No.</b>	<b>Specification Section Title</b>	<b>Document Date</b>
01 42 19	Reference Standards	05-10
01 45 29	Testing Laboratory Services	05-10
01 57 19	Temporary Environmental Controls	05-10
01 74 19	Construction Waste Management	05-10
02 21 00	Site Surveys	05-10
02 41 10	Demolition and Site Clearing	05-10
02 83 33 13	Lead-Based Paint Removal and Disposal	05-10
03 30 53	(Short Form) Cast-in-Place Concrete	05-10
03 41 33	Precast Structural Pretension Concrete	05-10
03 45 00	Precast Architectural Concrete	05-10
03 48 21	Precast Concrete Burial Crypt (Double Depth Lawn Crypt)	05-10
03 48 24	Precast Concrete Columbarium Units	05-10
03 48 26	Precast Concrete Memorial Wall Units	05-10
03 52 00	Lightweight Concrete Roof Insulation	05-10
04 05 13	Masonry Mortaring	05-10
04 05 16	Masonry Grouting	05-10
04 05 31	Masonry Tuck Pointing	05-10
04 20 00	Unit Masonry	05-10
04 43 00	Natural Stone Veneer	05-10
04 72 00	Cast Stone Masonry	05-10
04 73 00	Columbarium Niche Cover Marble	05-10
04 73 01	Columbarium Niche Cover Marble	05-10
04 73 10	Memorial Marker-Granite	05-10
04 73 11	Memorial Marker-Marble	05-10
05 12 00	Structural Steel Framing	05-10

**NCA Specifications (PG-18-1)** <http://www.cfm.va.gov/TIL/nca.asp>

<b>Spec. No.</b>	<b>Specification Section Title</b>	<b>Document Date</b>
05 21 00	Steel Joist Framing	05-10
05 31 00	Steel Decking	05-10
05 36 00	Composite Metal Decking	05-10
05 40 00	Cold-Formed Metal Framing	05-10
05 50 00	Metal Fabrications	05-10
05 51 00	Metal Stairs	05-10
06 10 00	Rough Carpentry	05-10
06 20 00	Finish Carpentry	05-10
07 11 13	Bituminous Dampproofing	05-10
07 12 00	Built-Up Bituminous Waterproofing	05-10
07 13 00	Sheet Waterproofing	05-10
07 13 52	Modified Bituminous Sheet Waterproofing	05-10
07 21 13	Thermal Insulation	05-10
07 21 23	Loose-Fill Insulation	05-10
07 22 00	Roof and Deck Insulation	05-10
07 24 00	Exterior Insulation and Finish Systems	05-10
07 31 13	Asphalt Shingles	05-10
07 31 26	Slate Shingles	05-10
07 31 29 13	Wood Shingles	05-10
07 32 13	Clay Roof Tiles	05-10
07 40 00	Roofing and Siding Panels	05-10
07 41 13	Standing Seam Metal Roofing	05-10
075100	Built-Up Bituminous Roofing	05-10
07 52 16	Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing	05-10

**NCA Specifications (PG-18-1)** <http://www.cfm.va.gov/TIL/nca.asp>

<b>Spec. No.</b>	<b>Specification Section Title</b>	<b>Document Date</b>
07 53 23	Ethylene-Propylene-Diene-Monomer Roof	05-10
07 54 19	Polyvinyl-Chloride Roofing	05-10
07 60 00	Flashing and Sheet Metal	05-10
07 61 16	Batten Seam Sheet Metal Roofing	05-10
07 71 00	Roof Specialties	05-10
07 72 00	Roof Accessories	05-10
07 81 00	Applied Fireproofing	05-10
07 84 00	Firestopping	05-10
07 92 00	Joint Sealants	05-10
08 11 13	Hollow Metal Doors and Frames	05-10
08 31 13	Access Doors and Frames	05-10
08 33 00	Coiling Doors and Grilles	05-10
08 36 13	Sectional Doors	05-10
08 41 13	Aluminum-Framed Entrances and Storefronts	05-10
08 51 13	Aluminum Windows	05-10
08 51 69 11	Aluminum Storm Windows	05-10
08 63 00	Metal-Framed Skylights	05-10
08 71 00	Door Hardware	05-10
08 71 13 11	Low Energy Power Assist Door Operators	05-10
08 80 00	Glazing	05-10
08 90 00	Louvers and Vents	05-10
09 06 00	Schedule for Finishes	05-10
09 22 16	Non-Structural Metal Framing	05-10
09 24 00	Portland Cement Plastering	05-10
09 29 00	Gypsum Board	05-10

**NCA Specifications (PG-18-1)** <http://www.cfm.va.gov/TIL/nca.asp>

<b>Spec. No.</b>	<b>Specification Section Title</b>	<b>Document Date</b>
09 30 13	Ceramic Tiling	05-10
09 51 00	Acoustical Ceilings	05-10
09 63 40	Stone Flooring	05-10
09 65 13	Resilient Base and Accessories	05-10
09 65 16	Resilient Sheet Flooring	05-10
09 65 19	Resilient Tile Flooring	05-10
09 66 16	Terrazzo Floor Tile	05-10
09 67 00	Fluid-Applied Flooring	05-10
09 67 23	Resinous Flooring	05-10
09 68 00	Carpeting	05-10
09 91 00	Painting	05-10
10 11 13	Chalkboards	05-10
10 11 23	Tackboards	05-10
10 14 00	Exterior Signage	05-10
10 14 05	Interior Signage	05-10
10 28 00	Toilet and Bath Accessories	05-10
10 44 13	Fire Extinguisher	05-10
10 51 13	Metal Lockers	05-10
10 56 13	Steel Shelving	05-10
10 75 00	Flagpoles	05-10
11 11 14	Motor Vehicle Lifts	05-10
11 11 16	Vehicle Service Equipment	05-10
11 11 26	Vehicle Washing Equipment	05-10
12 24 00	Window Shades	05-10
12 32 00	Manufactured Wood Case work	05-10

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<b>Spec. No.</b>	<b>Specification Section Title</b>	<b>Document Date</b>
13 34 19	Metal Building Systems	05-10
22 05 11	Common Work Results for Plumbing	05-10
22 05 12	General Motor Requirements for Plumbing Equipment	05-10
22 05 19	Meters and Gages for Plumbing Piping	05-10
22 05 23	General-Duty Valves for Plumbing Piping	05-10
22 05 33	Heat Tracing for Plumbing Piping	05-10
22 11 00	Facility Water Distribution	05-10
22 11 23	Domestic Water Pumps	05-10
22 12 16	Facility Elevated, Potable-Water Storage Tanks	05-10
22 13 00	Facility Sanitary Sewerage	05-10
22 13 23	Sanitary Waste Interceptors	05-10
22 13 29	Sanitary Sewerage Pumps	05-10
22 13 33	Packaged, Submersible Sewerage Pump Units	05-10
22 14 00	Facility Storm Drainage	05-10
22 14 29	Sump Pumps	05-10
22 14 33	Packaged, Pedestal Drainage Pump Units	05-10
22 14 36	Packaged, Submersible, Drainage Pump Units	05-10
22 15 00	General Service Compressed-Air Systems	05-10
22 31 11	Water Softeners	05-10
22 33 00	Electric Domestic Water Heaters	05-10
22 34 00	Fuel-Fired Domestic Water Heaters	05-10
22 35 00	Domestic Water Heat Exchangers	05-10
22 40 00	Plumbing Fixtures	05-10
23 05 11	Common Work Results for HVAC	05-10
23 05 12	General Motor Requirements for HVAC Equipment	05-10

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<b>Spec. No.</b>	<b>Specification Section Title</b>	<b>Document Date</b>
23 05 41	Noise and Vibration Control for HVAC Piping and Equipment	05-10
23 05 93	Testing, Adjusting, and Balancing for HVAC	05-10
23 07 11	HVAC and Plumbing Insulation	05-10
23 09 23	Direct-Digital Control System for HVAC	05-10
23 11 23	Facility Natural-Gas Piping	05-10
23 13 23	Concrete Above Ground Fuel Storage	05-10
23 21 13	Hydronic Piping	05-10
23 21 14	Ground Loop Heat Pump Piping	05-10
23 21 23	Hydronic Pumps	05-10
23 23 00	Refrigerant Piping	05-10
23 25 00	HVAC Water Treatment	05-10
23 31 00	HVAC Ducts and Casings	05-10
23 34 00	HVAC Fans	05-10
23 36 00	Air Terminal Units	05-10
23 37 00	Air Outlets and Inlets	05-10
23 40 00	HVAC Air Cleaning Devices	05-10
23 55 23	Gas-Fired Radiant Heaters	05-10
23 55 33	Fuel-Fired Unit Heaters	05-10
23 64 00	Packaged Water Chillers	05-10
23 81 00	Decentralized Unitary HVAC Equipment	05-10
23 81 43	Air-Source Unitary Heat Pumps	05-10
23 81 46	Water-Source Unitary Heat Pumps	05-10
23 82 16	Air Coils	05-10
23 82 33	Convectors	05-10



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<b>Spec. No.</b>	<b>Specification Section Title</b>	<b>Document Date</b>
23 82 39	Unit Heaters	05-10
23 83 23	Radiant-Heating Electric Panels	05-10
26 05 11	Requirements for Electrical Installations	05-10
26 05 21	Low-Voltage Electrical Power Conductors and Cables (600 Volts and Below)	05-10
26 05 26	Grounding and Bonding for Electrical Systems	05-10
26 05 33	Raceway and Boxes for Electrical Systems	05-10
26 05 41	Underground Electrical Construction	05-10
26 05 71	Electrical System Protective Device Study	05-10
26 22 00	Low-Voltage Transformers	05-10
26 24 11	Distribution Switchboards	05-10
26 24 16	Panelboards	05-10
26 27 13	Electricity Metering	05-10
26 27 26	Wiring Devices	05-10
26 29 11	Motor Starters	05-10
26 29 21	Disconnect Switches	05-10
26 30 05	Photovoltaic Systems	05-10
26 32 13	Engine Generators	05-10
26 36 23	Automatic Transfer Switches	05-10
26 41 00	Facility Lightning Protection	05-10
26 51 00	Interior Lighting	05-10
26 56 00	Exterior Lighting	05-10
27 05 11	Requirements for Communications Installations	05-10
27 05 26	Grounding and Bonding for Communications Systems	05-10
27 05 33	Raceways and Boxes for Communications Systems	05-10

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<b>Spec. No.</b>	<b>Specification Section Title</b>	<b>Document Date</b>
27 10 00	Network Cabling	05-10
27 11 00	Communications Equipment Room Fittings	05-10
27 51 23	Intercommunications and Program Systems	05-10
28 05 11	Requirements for Electronic Safety and Security Installations	05-10
28 05 13	Conductors and Cables for Electronic Safety and Security	05-10
28 05 26	Grounding and Bonding for Electronic Safety and Security	05-10
28 05 33	Raceways and Boxes for Electronic Safety and Security	05-10
28 16 11	Intrusion Detection System	05-10
28 23 00	Video Surveillance	05-10
28 31 00	Fire Detection and Alarm	05-10
31 20 00	Earth Moving	05-10
31 20 11	Earth Moving (Short Form)	05-10
31 23 19	Dewatering	05-10
31 23 23.33	Flowable Fill	05-10
31 32 23	Pressure Grouting Soil Stabilization	05-10
31 62 00	Driven Piles	05-10
31 63 16	Auger Cast Grout Piles	05-10
31 63 26	Drilled Caissons	05-10
32 05 23	Cement and Concrete for Exterior Improvements	05-10
32 12 16	Asphalt Paving	05-10
32 14 16	Brick Unit Paving	05-10
32 17 23	Pavement Markings	05-10
32 30 00	Site Furnishings	05-10
32 31 13	Chain Link Fences and Gates	05-10

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<b>Spec. No.</b>	<b>Specification Section Title</b>	<b>Document Date</b>
32 84 00	Planting Irrigation	05-10
32 90 00	Planting	05-10
33 10 00	Water Utilities	05-10
33 30 00	Sanitary Sewerage Utilities	05-10
33 46 13	Foundation Drainage	05-10
33 51 00	Natural-Gas Distribution	05-10

# STANDARDS UPDATE

June 2010

Department of Veterans Affairs

◆ Office of Construction & Facilities  
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## TIL Catalog - <http://www.cfm.va.gov/til/catalog.asp>

<b>New (1)</b>	<b>File Name</b>	<b>Document Date</b>
<b>Title</b>		
<a href="#">FQS Contact List</a>	<a href="#">FQSContactList.pdf</a>	06-10

## Design Alert - <http://www.cfm.va.gov/til/alertDesign.asp>

<b>New (1) Revised (1)</b>	<b>File Name</b>	<b>Document Date</b>
<b>Title</b>		
<a href="#">VA Adoption of Plenum Fans for Air-Handling Units Application</a>	<a href="#">dalert134.doc</a>	05-10
<a href="#">Low Pressure Hot Water Boilers</a>	<a href="#">dalert135.doc</a>	05-10
<a href="#">Design Alert Index</a>	<a href="#">dAlertIdx.pdf</a>	06-10

## Master Specifications (PG-18-1) <http://www.cfm.va.gov/TIL/spec.asp>

<b>Spec. No.</b>	<b>Specification Section Title</b>	<b>File Name</b>	<b>Document Date</b>
<b>Revised (5)</b>			
<a href="#">00 01 10</a>	<a href="#">Table of Contents</a>	<a href="#">000110.doc</a>	06-10

**Master Specifications (PG-18-1)** <http://www.cfm.va.gov/TIL/spec.asp>

<b>Spec. No.</b>	<b>Specification Section Title</b>	<b>File Name</b>	<b>Document Date</b>
01 74 19	Construction Waste Management	017419.doc	06-10
02 41 00	Demolition	024100.doc	06-10
07 13 00	Sheet Waterproofing	071300.doc	06-10
10 11 13	Chalkboard and Markerboards	101113.doc	06-10

**NCA Specifications (PG-18-1)** <http://www.cfm.va.gov/TIL/nca.asp>

<b>Spec. No.</b>	<b>Specification Section Title</b>	<b>Document Date</b>
<b>New (4)</b>		
08 14 00	Interior Wood Doors	06-10
08 51 23	Steel Windows	06-10
09 63 13	Brick Flooring	06-10
09 66 13	Portland Cement Terrazzo Flooring	06-10
<b>Revised (7)</b>		
00 01 10	Table of Contents	06-10
01 00 00	General Requirements	06-10
09 29 00	Gypsum Board	06-10

**Standard Details (PG-18-4) -** <http://www.cfm.va.gov/til/sDetail.asp>

<b>Detail No.</b>	<b>Standard Detail Title</b>	<b>Document Date</b>
<b>New (6)</b>		
SD232113-14.DWG	MOBILE INDIRECT GLYCOL MAKE-UP SYSTEM (PIPING AND CONTROLS)	03-10

## Standard Details (PG-18-4) - <http://www.cfm.va.gov/til/sDetail.asp>

<b>Detail No.</b>	<b>Standard Detail Title</b>	<b>Document Date</b>
SD233100-27.DWG	OPERATING ROOM HVAC SYSTEM (TYPICAL)	03-10
SD233100-28.DWG	HEPA FILTER SIZING CHART 7 SURGICAL ROOM SECTION A-A	03-10
SD233100-29.DWG	DUCT MOUNTED HUMIDIFIER	03-10
SD233600-05.DWG	AIR TERMINAL UNITS WITH HEPA FILTER BMT SUITE, POSITIVE ISOLATION ROOMS	03-10
SD233600-06.DWG	AIR TERMINAL UNITS WITH HEPA FILTER OPERATING AND CYSTOSCOPY ROOMS	03-10
<b>Revised (7)</b>		
SD230511-18.DWG	CONTROLS SYMBOLS	03-10
SC230511-19.DWG	CONTROLS SYMBOLS	03-10
SD230511-20.DWG	CONTROLS SYMBOLS	03-10
SD232111-04.DWG	CONDENSATE, BOILER FEEDWATER, BLOWOFF, CHEMICAL FEED, WATER SAMPLE	02-10
SD232113-06.DWG	INDIRECT GLYCOL MAKE-UP SYSTEM (PIPING AND CONTROLS)	03-10
SD232213-07.DWG	STEAM HUMIDIFIER - PIPING CONNECTIONS (MULTIPLE DISPERSON TUBES)	03-10
SD235239-04.DWG	NO.2 BURNER FUEL OIL SYSTEMS - STANDARD PIPING DIAGRAM NO.5 AND NO.6 BURNER FUEL OIL SYSTEMS - STANDARD PIPING DIAGRAM	02-10

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### Design Manuals - <http://www.cfm.va.gov/til/dManual.asp>

Title	File Name	Document Date
<b>Deleted (2)</b>		
Plumbing Design Manual for Veterinary Medical Unit Projects	dmPLvmu.doc	02-00
Sanitary Design Manual for Hospital Projects	dmSAhosp.doc	06-06
<b>New (1)</b>		
Site Utility Design Manual Including Sanitary for New Hospitals, Replacement Hospitals, Ambulatory Care, Clinical Additions, Energy Centers, Outpatients Clinics, Animal Research Facilities, Laboratory Buildings	dmUtils.pdf	07-10
<b>Revised (3)</b>		
Automatic Transport (Elevators) Design Manual for Hospitals, Ambulatory Care, Domiciliary, Nursing Home, and Outpatient Clinics	dmAThosp.pdf	07-10
Plumbing Design Manual for New Hospitals, Replacement Hospitals, Ambulatory Care, Clinical Additions, Energy Centers, Outpatient Clinics, Animal Research Facilities and Laboratory Buildings	dmPLhosp.pdf	04-10
Design Manual Index	dManualldx.doc	07-10

## Master Specifications (PG-18-1) <http://www.cfm.va.gov/TIL/spec.asp>

Spec. No.	Specification Section Title	File Name	Document Date
<b>New (9) Commissioning Specs are scheduled to be on TIL later in the month</b>			
01 91 00	General Commissioning Requirements	019100.doc	07-10
07 08 00	Facility Exterior Closure Commissioning	070800.doc	07-10
21 08 00	Commissioning of Fire Suppression System	210800.doc	07-10
22 08 00	Commissioning of Plumbing Systems	220800.doc	07-10
23 08 00	Commissioning of HVAC	230800.doc	07-10
26 08 00	Commissioning of Electrical Systems	260800.doc	07-10
27 08 00	Commissioning of Communications Systems	270800.doc	07-10
28 08 00	Commissioning of Electronic Safety and Security Systems	280800.doc	07-10
31 08 00	Commissioning of Site Utility Systems	310800.doc	07-10
<b>Revised (4)</b>			
00 01 10	Table of Contents	000110.doc	07-10
09 22 16	Non-Structural Metal Framing	092216.doc	07-10
09 65 16	Resilient Sheet Flooring	096516.doc	07-10
11 73 00	Ceiling Mounted Patient Lift System	117300.doc	07-10

## Special Requirements - <http://www.cfm.va.gov/til/criteria.asp>

Title	File Name	Document Date
<b>New</b>		
* VA Whole Building Commissioning Process Manual	TBD	07-10
<b>*NOTE: Commissioning Process Manual scheduled to be on TIL later in the month</b>		



## Standard Details (PG-18-4) - <http://www.cfm.va.gov/til/sDetail.asp>

Detail No.	Standard Detail Title	Document Date
<b>Deleted (2)</b>		
SD260541-02.DWG	HANDHOLE DETAILS	03-09
SD260541-04.DWG	HANDHOLE/MANHOLE HARDWARE	03-09
<b>New (1)</b>		
SD260541-01.DWG	POWER MANHOLE DETAILS	03-09
<b>Revised (9)</b>		
SD260541-02.DWG	DUCT BANK DETAILS	03-09
SD260541-03.DWG	MANHOLE GROUNDING DETAILS	03-09
SD260541-04.DWG	UNDERGROUND PULLBOX (INSTALLATION IN TURF AREAS)	03-09
SD260541-05.DWG	UNDERGROUND PULLBOX (INSTALLATION IN PAVED AREAS)	12-08
SD265600-01.DWG	POLE BASE DETAIL (PAVED AREAS)	03-10
SD265600-02.DWG	POLE BASE DETAIL (TURF AREAS)	12-08
SD265600-03.DWG	POLE BASE DETAIL (TURF AREAS)	03-10
SD265600-04.DWG	BOLLARD BASE DETAIL (PAVED AREAS)	03-10
SD265600-05.DWG	BOLLARD BASE DETAIL	03-10

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### Master Specifications (PG-18-1) <http://www.cfm.va.gov/TIL/spec.asp>

Spec. No.	Specification Section Title	File Name	Document Date
<b>Revised (2)</b>			
00 01 10	Table of Contents	000110.doc	08-10
01 00 00	General Requirements	010000.doc	08-10

### Etc.

Revised (1)	File Name	Document Date
VA Seismic Design Requirements (H-18-8)	seismic.pdf	07-10

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## Project Document Requirements - <http://www.cfm.va.gov/TIL/projReq.asp>

Title	File Name	Document Date
<b>Revised (1)</b>		
AE Review Checklist (Electrical)	aeCKElec.doc	09-10

## CAD Standards - <http://www.cfm.va.gov/til/sDetail.asp>

Title	File Name	Document Date
<b>Revised (1)</b>		
VA Title Block	titleBlock.dwg	09-10

## Design & Construction Procedures (PG 18-3) -

<http://www.cfm.va.gov/til/cPro.asp>

Title	File Name	Document Date
<b>Revised (3)</b>		
Table of Contents	cpTOC.doc	09-10
Topic 7. Piping and Ducts	cpTop07.doc	09-10
Topic 8 Electrical and Telecommunications Rooms and Closets	cpTop08.doc	09-10

## Design Guides (PG-18-12) - <http://www.cfm.va.gov/til/dGuide.asp>

Title	File Name	Document Date
<b>Revised (2)</b>		
Mental Health Design Guide	dgMH.pdf	07/10
Nursing Home Care Unit Design Guide dated July 06 has been deleted		
Design Guide Index	dgIndex.pdf	09-10

## Design Manual (PG-18-10) - <http://www.cfm.va.gov/til/dManual.asp>

Title	File Name	Document Date
<b>Revised (2)</b>		
Interior Design Manual for Regional Office Projects	dmlDro.doc	09-10
Design Manual Index	dManualIdx.doc	09-10

## Master Specifications (PG-18-1) - <http://www.cfm.va.gov/TIL/spec.asp>

Spec. No.	Specification Section Title	File Name	Document Date
<b>New (2)</b>			
26 13 13	Generator Paralleling Controls	261313.doc	09-10
26 35 26	Harmonic Filters	263526.doc	09-10
<b>Deleted (1)</b>			
26 22 21	Specialty Transformers	262221.doc	06-05
<b>Revised (30)</b>			
00 01 10	Table of Contents	000110.doc	09-10
01 74 19	Construction Waste Management	017419.doc	09-10
09 06 00	Schedule for Finishes	090600.doc	09-10
09 29 00	Gypsum Board	092900.doc	09-10
26 05 11	Requirements for Electrical Installations	260511.doc	09-10

## Master Specifications (PG-18-1) - <http://www.cfm.va.gov/TIL/spec.asp>

<b>Spec. No.</b>	<b>Specification Section Title</b>	<b>File Name</b>	<b>Document Date</b>
26 05 13	Medium-Voltage Cables	260513.doc	09-10
26 05 21	Low-Voltage Electrical Power Conductors and Cables (600 Volts and Below)	260521.doc	09-10
26 05 26	Grounding and Bonding for Electrical Systems	260526.doc	09-10
26 05 33	Raceway and Boxes for Electrical Systems	260533.doc	09-10
26 05 36	Wireways for Radiology Equipment	260536.doc	09-10
26 05 41	Underground Electrical Construction	260541.doc	09-10
26 05 71	Electrical System Protective Device Study	260571.doc	09-10
26 09 23	Lighting Controls	260923.doc	09-10
26 12 19	Pad-Mounted, Liquid-Filled, Medium-Voltage Transformers	261219.doc	09-10
26 13 00	Medium-Voltage Switchgear	261300.doc	09-10
26 18 41	Medium-Voltage Switches	261841.doc	09-10
26 20 11	Insolated Power Systems	262011.doc	09-10
26 22 00	Low-Voltage Transformers	262200.doc	09-10
26 23 00	Low-Voltage Switchgear	262300.doc	09-10
26 24 16	Panelboards	262416.doc	09-10
26 24 19	Motor-Control Centers	262419.doc	09-10
26 24 21	Motor-Control Panelboards	262421.doc	09-10
26 29 11	Motor Starters	262911.doc	09-10
26 29 21	Disconnect Switches	262921.doc	09-10
26 32 13	Engine Generators	263213.doc	09-10

## Master Specifications (PG-18-1) - <http://www.cfm.va.gov/TIL/spec.asp>

<b>Spec. No.</b>	<b>Specification Section Title</b>	<b>File Name</b>	<b>Document Date</b>
26 36 23	Automatic Transfer Switches	263623.doc	09-10
26 55 71	Medical and Surgical Lighting Fixtures	265571.doc	09-10
26 56 00	Exterior Lighting	265600.doc	09-10

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## A/E Design Submission Requirements (PG-18-15) -

<http://www.cfm.va.gov/contract/aeDesSubReg.asp>

Title	File Name	Document Date
<b>Revised (1)</b>		
A/E Submission Requirements for VA Medical Center Major New Facilities Additions & Renovations	aesubmaj.pdf	10-10

## Environmental Planning Guidance (PG-18-17) -

<http://www.cfm.va.gov/til/spclRqmts.asp#EC>

Title	File Name	Document Date
<b>New (1)</b>		
NEPA Interim Guidance for Projects	NEPAGuidance.pdf	10-10
<b>Deleted (8)</b>		
Environmental Compliance Manual	envcompl.doc	07-98
Consultant Disclosure Statement	envcnslt.doc	10-10
Environmental Assessment Summary	envform.doc	10-10
Environmental Status Sheet	envstat.doc	10-10
Finding of No Significant Impact Sheet	envfonsi.doc	10-10
Notice of Availability Finding of No Significant Impact	envnoa.doc	10-10

## Environmental Planning Guidance (PG-18-17) -

<http://www.cfm.va.gov/til/spclRqmts.asp#EC>

Notice of Intent to Prepare Environmental Impact Statement	envnoi.doc	10-10
Record of Decision	envrod.doc	10-10

## Master Specifications (PG-18-1) - <http://www.cfm.va.gov/TIL/spec.asp>

Spec. No.	Specification Section Title	File Name	Document Date
<b>New (9)</b>			
07 01 50.19	Preparation for Re-Roofing	07015019.doc	10-10
07 51 00.11	Built-Up Bituminous Roofing, Hot-Applied	07510011.doc	10-10
07 51 00.13	Built-Up Bituminous Roofing, Cold-Applied	07510013.doc	10-10
07 52 16.13	Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing, Cold-Applied	07521613.doc	10-10
07 54 16	Ethylene Interpolymer (Kee) Roofing	075416.doc	10-10
07 54 23	Thermoplastic Polyolefin (TPO) Roofing	075423.doc	10-10
09 67 23.20	Resinous Epoxy Base With Vinyl Chip Broadcast (RES-2)	09672320.doc	10-10
09 67 23.50	Resinous (Epoxy Terrazzo) Flooring (RES-5)	09672350.doc	10-10
09 97 33.01	Resinous Coating Systems for Walls and Ceilings (RES-W)	09973301.doc	10-10
<b>Revised (7)</b>			
00 01 10	Table of Contents	000110.doc	10-10
07 22 00	Roof and Deck Insulation	072200.doc	10-10



## Master Specifications (PG-18-1) - <http://www.cfm.va.gov/TIL/spec.asp>

Spec. No.	Specification Section Title	File Name	Document Date
07 52 16	Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing	075216.doc	10-10
07 54 19	Polyvinyl-Chloride Roofing	075419.doc	10-10
07 54 23	Thermoplastic Polyolefin (TPO) Roofing	075423.doc	10-10
07 60 00	Flashing and Sheet Metal	076000.doc	10-10
09 51 00	Acoustical Ceilings	095100.doc	10-10
23 10 00	Facility Fuel Systems	231000.doc	10-10

## NCA Specifications (PG-18-1) <http://www.cfm.va.gov/TIL/nca.asp>

Spec. No.	Specification Section Title	Document Date
<b>New (1), Revised (1)</b>		
00 01 10	Table of Contents	10-10
01 32 17	Network Analysis Schedules (Microsoft Project Gantt Chart)	10-10

## Design Guides (PG-18-12) <http://www.cfm.va.gov/TIL/dGuide.asp>

Document Title	Date
<b>Revised (1)</b>	
Design Guide Index	10-10
<b>Deleted (1)</b>	
VA Regional Office (VARO)	

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## Master Specifications (PG-18-1) - <http://www.cfm.va.gov/TIL/spec.asp>

<b>Spec. No.</b>	<b>Specification Section Title</b>	<b>File Name</b>	<b>Document Date</b>
<b>New (3)</b>			
01 81 11	Sustainable Design Requirements	018111.doc	11-10
09 97 33.10	Resinous Coating Systems for Walls and Ceilings (RES-W)	09973310.doc	11-10
23 05 10	Common Work Results for Boiler Plant and Steam Generation	230510.doc	11-10
<b>Revised (13)</b>			
00 01 10	Table of Contents	000110.doc	11-10
22 11 23	Domestic Water Pumps	221123.doc	11-10
22 13 29	Sanitary Sewerage Pumps	221329.doc	11-10
22 13 33	Packaged, Submersible Sewerage Pump Units	221333.doc	11-10
22 14 33	Packaged, Pedestal Drainage Pump Units	221433.doc	11-10
22 42 26	Commercial Disposers	224226.doc	11-10
23 05 11	Common Work Results for HVAC	230511.doc	11-10
23 05 12	General Motor Requirements for HVAC and Steam Generation Equipment	230512.doc	11-10

## Master Specifications (PG-18-1) - <http://www.cfm.va.gov/TIL/spec.asp>

Spec. No.	Specification Section Title	File Name	Document Date
23 05 41	Noise and Vibration Control for HVAC Piping and Equipment	230541.doc	11-10
23 05 51	Noise and Vibration Control for Boiler Plant	230551.doc	11-10
23 08 11	Demonstrations and Tests for Boiler Plant	230811.doc	11-10
23 09 11	Instrumentations and Tests for Boiler Plant	230911.doc	11-10
23 21 11	Boiler Plant Piping Systems	232111.doc	11-10
<b>Deleted (2)</b>			
09 67 23	Resinous Flooring	096723.doc	05-10
09 97 33. 01	Resinous Coating Systems for Walls and Ceilings (RES-W)	09973301.doc	10-10

## Standard Details (PG-18-4) - <http://www.cfm.va.gov/TIL/sDetail.asp>

Detail No.	Detail Title	Date
<b>New (6)</b>		
SD230923-11	BACnet System for Architecture Option 1	09-10
SD230923-12	BACnet System for Architecture Option 2	09-10
SD230923-13	BACnet System for Architecture Option 3	09-10
SD230923-14	BACnet System for Architecture Option 4	09-10
SD230923-15	Air Handling Unit for Surgical Suite (VAV)	09-10
SD230923-16	Sequence of Operation for AHU for Surgical Suite (VAV)	09-10
<b>Revised (17)</b>		
SD230511-14	HVAC Piping Symbols	09-10
SD230511-15	HVAC Piping Symbols	09-10

**Standard Details (PG-18-4) - <http://www.cfm.va.gov/TIL/sDetail.asp>**

<b>Detail No.</b>	<b>Detail Title</b>	<b>Date</b>
SD230511-16	General Symbols	09-10
SD230511-17	Valve Symbols	09-10
SD230511-18	Controls Symbols	09-10
SD230511-19	Controls Symbols	09-10
SD230511-20	Controls Symbols	09-10
SD230923-01	Air System for Negative Isolation Room	09-10
SD230923-02	Air System for Positive Isolation Room	09-10
SD230923-03	HEPA Filter Controls For Autopsy Exhaust Systems	09-10
SD230923-05	Sequence of Operation For VAV Air Handling Unit with Min OSA	09-10
SD230923-06	Points List for VAV Air Handling Units with Min OSA	09-10
SD232111-04	Basic Flow Diagram - Condensate and Boiler Feedwater	09-10
SD232111-05	Condensate Storage and Transfer Flow Diagram	09-10
SD232111-06	Feedwater Deaerator Flow Diagram	09-10
SD232111-07	Boiler Feedwater Pumps Flow Diagram	09-10
SD232111-08	Boiler Flow Diagram	09-10

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## Master Specifications (PG-18-1) - <http://www.cfm.va.gov/TIL/spec.asp>

Spec. No.	Specification Section Title	File Name	Document Date
<b>Revised (5)</b>			
00 01 10	Table of Contents	000110.doc	12-10
08 71 13.11	Low Energy Power Assist Door Operators	08711311.doc	12-10
08 80 00	Glazing	089000.doc	12-10
22 62 19.74	Dental Vacuum and Evacuation Equipment	22621974.doc	12-10
22 63 00	Gas Systems for Laboratory and Healthcare Facilities	226300.doc	12-10
<b>Deleted (1)</b>			
09 67 00	Fluid-Applied Flooring	096700.doc	09-08

## NCA Specifications (PG-18-1) <http://www.cfm.va.gov/TIL/nca.asp>

Spec. No.	Specification Section Title	Document Date
<b>Revised (2)</b>		
00 01 10	Table of Contents	12-10
03 45 00	Precast Architectural Concrete	12-10

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### Master Specifications (PG-18-1) - <http://www.cfm.va.gov/TIL/spec.asp>

Spec. No.	Specification Section Title	File Name	Document Date
<b>New (1)</b>			
01 32 16.01	Architectural and Engineering CPM Schedules	01321601.doc	01-11
<b>Revised (12)</b>			
00 01 10	Table of Contents	000110.doc	01-11
01 57 19	Temporary Environmental Controls	015719.doc	01-11
02 82 13.13	Glovebag Asbestos Abatement	02821313.doc	01-11
08 71 13.11	Low Energy Power Assist Door Operators	08711311.doc	01-11
10 26 00	Wall and Door Protection	102600.doc	01-11
11 53 13	Laboratory Fume Hoods	115313.doc	01-11
11 53 53	Biological Safety Cabinets	115353.doc	01-11
11 71 00	Medical Reprocessing and Sterilizing Equipment	117100.doc	01-11
22 13 36	Packaged, Wastewater Pump Units	221336.doc	01-11
22 14 29	Sumps Pumps	221429.doc	01-11
22 14 36	Packaged, Submersible, Drainage Pump Units	221436.doc	01-11
23 38 13	Commerical-Kitchen Hoods	233813.doc	01-11

## Master Specifications (PG-18-1) - <http://www.cfm.va.gov/TIL/spec.asp>

Spec. No.	Specification Section Title	File Name	Document Date
<b>Deleted (1)</b>			
11 71 11	Medical Washing Equipment	117111.doc	08-08

## NCA Specifications (PG-18-1) - <http://www.cfm.va.gov/TIL/nca.asp>

Spec. No.	Specification Section Title	Document Date
00 01 10	Table of Contents	01-11
01 00 00	General Requirements	01-11
03 48 21	Precast Concrete Burial Crypts	01-11

## Special Requirements & Studies <http://www.cfm.va.gov/til/criteria.asp#special>

Title	File Name	Document Date
<b>Minor Revisions (3)</b>		
Commissioning Process Manual	CxManual.pdf	08-10
Plaques and Seals	Plaques.doc	01-11
Seismic Design Requirements (H-18-8)	Seismic.pdf	07-10, rev 08-10

## Design Guides - <http://www.cfm.va.gov/til/dGuide.asp>

Title	File Name	Document Date
<b>Minor Revisions (2)</b>		
Mental Health Design Guide Concurrence	dgMHConcur.pdf	12-10
Mental Health Design Guide	dgMH.pdf	12-10

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## Master Specifications (PG-18-1) - <http://www.cfm.va.gov/TIL/spec.asp>

Spec. No.	Specification Section Title	File Name	Document Date
<b>New (1)</b>			
11 71 01	Medical Washing and Sterilizing Equipment	117101.doc	02-11
<b>Deleted (1)</b>			
11 71 00	Medical Reprocessing and Sterilizing Equipment	117100.doc	01-11
<b>Revised (13)</b>			
00 01 10	Table of Contents	000110.doc	02-11
01 00 00	General Requirements	015719.doc	02-11
02 82 13.13	Glovebag Asbestos Abatement	02821313.doc	02-11
07 92 00	Joint Sealants	079200.doc	02-11
08 71 00	Door Hardware	087100.doc	02-11
09 67 23.30	Resinous (Epoxy Resin Composition) Mortar Flooring (RES-3)	09672330.doc	02-11
21 10 00	Water-Based Fire Suppression System	211000.doc	02-11
22 31 11	Water Softeners	223111.doc	02-11
22 67 19.16	Reverse-Osmosis Water Equipment	22671916.doc	02-11
22 67 21	Water Dealkalizing System	226721.doc	02-11



## Master Specifications (PG-18-1) - <http://www.cfm.va.gov/TIL/spec.asp>

Spec. No.	Specification Section Title	File Name	Document Date
23 72 00	Air-to-Air Energy Recovery Equipment	237200.doc	02-11
23 81 00	Decentralized Unitary HVAC Equipment	238100.doc	02-11
23 84 00	Humidity Control Equipment	238400.doc	02-11

## Design Manuals (PG-18-10) - <http://www.cfm.va.gov/til/dManual.asp>

Revised (1)	File Name	Document Date
<b>Title</b>		
Design Manual Index	dManualldx.pdf	02-11
HVAC Design Manual for New Hospitals, Replacement Hospitals, Ambulatory Care, Clinical Additions, Energy Centers, Outpatient Clinics, Animal Research Facilities and Laboratory Buildings	dmmehosp.pdf	12-10
<b>Deleted (3)</b>		
HVAC Design Manual Amendment A	dmMEHospAmendA.doc	07-08
HVAC Design Manual Amendment B	dmMEHospAmendB.doc	10-09
HVAC Design Manual Amendment C	dmMEHospAmendC.doc	10-09

## Design Guides (PG-18-12) - <http://www.cfm.va.gov/til/dGuide.asp>

Revised (1)	File Name	Document Date
<b>Title</b>		
Design Guide Index	dglIndex.pdf	01-11

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March 2011 rev 1

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## Design Manuals (PG-18-10) - <http://www.cfm.va.gov/til/dManual.asp>

Title	File Name	Document Date
<b>Deleted (1)</b>		
(Automatic) Transport Systems Design Manual for Regional Office Buildings and Parking Structures	dmATro.doc	05-06
<b>Revised (4)</b>		
Design Manual Index	dManualldx.pdf	03-11
Automatic Transport Design Manual for Hospital, Clinical Addition, Psychiatric, Ambulatory Care/Outpatient Clinic, Domiciliary, Community Living Center, Energy Center, Parking Structure, VBA Office Building, Laundry and Warehouse	dmAThosp.pdf	03-11
Manual for Preparation of Cost Estimates & Related Documents for VA Facilities	dmCost.pdf	03-11
HVAC Design Manual for New Hospitals, Replacement Hospitals, Ambulatory Care, Clinical Additions, Energy Centers, Outpatient Clinics, Animal Research Facilities and Laboratory Buildings	dmMEhosp.pdf	03-11

## Etc.

Title	File Name	Document Date
<b>Revised (1)</b>		
VA Seismic Design Requirements (H-18-8)	seismic.pdf	02-11

## Master Specifications (PG-18-1) - <http://www.cfm.va.gov/TIL/spec.asp>

Spec. No.	Specification Section Title	File Name	Document Date
<b>Revised (10)</b>			
00 01 10	Table of Contents	000110.doc	03-11
01 32 16.13	Network Analysis Schedules	01321613.doc	03-11
01 81 11	Sustainable Design Requirements	018111.doc	03-11
03 30 00	Cast-in-Place Concrete	033000.doc	03-11
09 65 19	Resilient Tile Flooring	096519.doc	03-11
09 67 23.30	Resinous (Epoxy Resin Composition) Mortar Flooring (RES-3)	09672330.doc	03-11
09 67 23.60	Resinous (Urethane and Epoxy Mortar) Flooring (RES-6)	096723do.doc	03-11
22 40 00	Plumbing Fixtures	224000.doc	03-11
23 73 00	Indoor Central-Station Air Handling Units	237300.doc	03-11
23 74 13	Packaged, Outdoor, Central-Station Air-Handling Units	237413.doc	03-11

## Space Planning Criteria (PG-18-9) - <http://www.cfm.va.gov/til/space.asp>

Title	File Name	Document Date
<b>Revised (1)</b>		
Space Planning Criteria Index	spclIndex.pdf	03-11

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## Design Manuals (PG-18-10) - <http://www.cfm.va.gov/til/dManual.asp>

Title	File Name	Document Date
<b>New (1)</b>		
HVAC Design Manual for Community Living Center and Domiciliary	dmMEclc.pdf	03-11
<b>Deleted (1)</b>		
HVAC Design Manual for Domiciliary and Nursing Home Projects	dmMEdmnh.doc	06-06
<b>Revised (1)</b>		
Design Manual Index	dManualldx.pdf	04-11

## Master Specifications (PG-18-1) - <http://www.cfm.va.gov/TIL/spec.asp>

Spec. No.	Specification Section Title	File Name	Document Date
<b>Revised (16)</b>			
00 01 10	Table of Contents	000110.doc	04-11
01 00 00	General Requirements	010000.doc	04-11
01 32 16.17	Project Schedules (Small Projects – Design/Build	01321617.doc	04-11
12 31 00	Manufactured Metal Casework	123100.doc	04-11

**Master Specifications (PG-18-1) - <http://www.cfm.va.gov/TIL/spec.asp>**

<b>Spec. No.</b>	<b>Specification Section Title</b>	<b>File Name</b>	<b>Document Date</b>
22 05 11	Common Work Results for Plumbing	096519.doc	04-11
23 09 23	Direct-Digital Control for HVAC	230923.doc	04-11
23 31 00	HVAC Ducts and Casings	233100.doc	04-11
23 64 00	Packaged Water Chillers	236400.doc	04-11
23 73 00	Indoor Central-Station Air Handling Units	237300.doc	04-11
23 74 13	Packaged, Outdoor, Central-Station Air-Handling Units	237413.doc	04-11
23 81 23	Computer-Room Air Conditioners	238123.doc	04-11
23 81 43	Air-Source Unitary Heat Pumps	238143.doc	04-11
23 81 46	Water-Source Unitary Heat Pumps	238146.doc	04-11
23 82 00	Convection Heating and Cooling Units	238200.doc	04-11
23 82 16	Air Coils	238216.doc	04-11
28 05 11	Requirements for Electronic Safety and Security Installations	280511.doc	04-11

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## Design Alert - <http://www.cfm.va.gov/til/alertDesign.asp>

<b>New (2)</b>	<b>File Name</b>	<b>Document Date</b>
<b>Title</b>		
Sustainable High-Performance Concrete Structures	dAlert136.pdf	03-11
Spinal Cord Injury/Disorders Design Guide	dAlert137.pdf	04-11
<b>Revised (3)</b>		
Design Alert Index	dAlertIdx.pdf	05-11
Ceiling Mounted Utility Columns for Operating Rooms	dAlert112.pdf	04-11
Design Alert on Mechanical Equipment in Interstitial Space	dAlert033.pdf	05-11
<b>Rescinded (20)</b>		
Regional Office Buildings Emergency Power and Fire Safety HVAC Design Criteria	dAlert002.doc	03-94
Building Shafts use for Special Exhaust Systems. NFPA 90A	dAlert004.doc	05-94
Dry Labs – HVAC Provisions	dAlert007.doc	07-94
Guard/Handrails for Stairs, Parking Decks, and Balconies, etc	dAlert020.doc	11-94
High Voltage Power for Chillers-HVAC Design Criteria	dAlert030.doc	02-95
Protection Against Refrigerant Loss	dAlert061.doc	01-97
Dedicated Exhaust System for Laboratory	dAlert063.doc	02-97

## Design Alert - <http://www.cfm.va.gov/til/alertDesign.asp>

Fire Protection of Kitchen Hood Exhaust Duct	dAlert071.doc	05-97
Duct Construction Standards	dAlert073.doc	07-97
Maintenance Provisions for Chillers	dAlert075.doc	08-97
Indoor Air Quality, Topic: Air Duct Cleaning	dAlert079.doc	12-97
Mechanical Equipment Performance	dAlert080.doc	12-97
Insulation for Chilled Water Piping	dAlert081.doc	12-97
HDTV Can Interfere with Heart Monitors	dAlert087.doc	03-98
Indoor Air Quality Topic: Update on Air Duct Cleaning	dAlert089.doc	07-98
Energy Efficiency, Topic: The Energy Star Buildings Program	dAlert093.doc	11-98
Buck and Boost Transformers	dAlert103.doc	12-99
Piping Insulation, Topic: A Reminder on Chilled Water Piping Insulation	dAlert106.doc	06-00
Fan Coil Units – Mounting Location	dAlert107.doc	04-01
Isolation Rooms Update, Switchable Negative/Positive Pressure	dAlert108.doc	05-01

## Master Specifications (PG-18-1) - <http://www.cfm.va.gov/TIL/spec.asp>

Spec. No.	Specification Section Title	File Name	Document Date
<b>New (1)</b>			
22 07 11	Plumbing Insulation	220711.doc	05-11
<b>Revised (20)</b>			
00 01 10	Table of Contents	000110.doc	05-11
01 91 00	General Commissioning Requirements	019100.doc	05-11
09 67 23 20	Resinous Epoxy Base with Vinyl Chip Broadcast (RES 2)	09672320.doc	05-11

## Master Specifications (PG-18-1) - <http://www.cfm.va.gov/TIL/spec.asp>

<b>Spec. No.</b>	<b>Specification Section Title</b>	<b>File Name</b>	<b>Document Date</b>
09 67 23 30	Resinous (Epoxy Resin Composition) Mortar Flooring (RES 3)	09672330.doc	05-11
09 67 23 60	Resinous (Urethane and Epoxy Mortar) Flooring (RES 6)	09672360.doc	05-11
14 12 11	Electric Dumbwaiter Geared Traction and Winding Drum	141211.doc	05-11
14 21 00	Electric Traction Elevators	142100.doc	05-11
14 24 00	Hydraulic Elevators	142400.doc	05-11
22 11 00	Facility Water Distribution	221100.doc	05-11
22 12 16	Facility Elevated, Potable-Water Storage Tanks	221216.doc	05-11
23 05 93	Testing, Adjusting, and Balancing for HVAC	230593.doc	05-11
23 07 11	HVAC and Boiler Plant Insulation	230711.doc	05-11
23 11 23	Facility Natural-Gas Piping	231123.doc	05-11
23 40 00	HVAC Air Cleaning Devices	234000.doc	05-11
23 50 11	Boiler Plant Mechanical Equipment	235011.doc	05-11
23 51 00	Breechings, Chimneys, and Stacks	235100.doc	05-11
23 52 33	Water-Tube Boilers	235233.doc	05-11
23 52 39	Fire-Tube Boilers	235239.doc	05-11
23 72 00	Air-to-Air Energy Recovery Equipment	237200.doc	05-11
23 84 00	Humidity Control Equipment	238400.doc	05-11



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## Accessibility (PG-18-13) - <http://www.cfm.va.gov/TIL/accessibility.asp>

Revised (1)	File Name	Document Date
<b>Title</b>		
Barrier Free Design Guide	dgBarrFree.pdf	06-11

## Catalog – <http://www.cfm.va.gov/til/catalog.asp>

Revised (1)	File Name	Document Date
<b>Title</b>		
Facilities Quality Service Contact List	FQSContactList.pdf	05-11

## Design Manual – (PG-18-10) - <http://www.cfm.va.gov/til/dManual.asp>

Revised (1)	File Name	Document Date
<b>Title</b>		
HVAC Design Manual – Amendment A	dmMEHospAmendA.pdf	04-11

## Master Specifications (PG-18-1) - <http://www.cfm.va.gov/TIL/spec.asp>

Spec. No.	Specification Section Title	File Name	Document Date
<b>Deleted (1)</b>			
14 12 21	Electric Dumbwaiters (Geared Traction)	141221.doc	09-08
<b>Revised (3)</b>			
00 01 10	Table of Contents	000110.doc	06-11
01 00 00	General Requirements	010000.doc	06-11
14 21 11	Traction Cartlift	142111.doc	06-11
14 24 11	Hydraulic Cartlift	142411.doc	06-11

## NCA Specifications (PG-18-1) <http://www.cfm.va.gov/TIL/nca.asp>

Spec. No.	Specification Section Title	Document Date
<b>Revised (2)</b>		
00 01 10	Table of Contents	06-11
03 48 21	Precast Concrete Burial Crypts	06-11

## Project Document Requirements -<http://www.cfm.va.gov/til/bim/BIMGuide/>

Revised (1)	File Name	Document Date
<b>Title</b>		
The VA BIM GUIDE – Revisions to VA Fire tape patterns	4hourFire-Smoke.pat; 3hourFire-Smoke.pat; 2hourFire-Smoke.pat; 1hourFire-Smoke.pat; Smoke.pat	05-11

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### Design & Construction Procedures (PG-18-3) -

<http://www.cfm.va.gov/TIL/cPro.asp>

Title	File Name	Document Date
<b>Revised (1)</b>		
Topic 01 – Codes, Standards and Executive Orders	cpTop01.pdf	07-11

### Design Guides – (PG-18-12) - <http://www.cfm.va.gov/til/dGuide.asp>

Title	File Name	Document Date
<b>New (1)</b>		
Office of Information & Technology	dgOIT.pdf	02-11
<b>Revised (5)</b>		
Design Guide Index	dgIndex.pdf	07-11
Spinal Cord Injury/Disorders Center, Section 00	dgSCIDC00.pdf	07-11
Spinal Cord Injury/Disorders Center, Section 02	dgSCIDC02.pdf	07-11
Spinal Cord Injury/Disorders Center, Section 03	dgSCIDC03.pdf	07-11
Spinal Cord Injury/Disorders Center, Section 04	dgSCIDC04.pdf	07-11

## Design Manuals – (PG-18-10) - <http://www.cfm.va.gov/til/dManual.asp>

Title	File Name	Document Date
<b>New (1)</b>		
Plumbing Design Manual for CLCs and Doms	dmPLclc.pdf	03-11
<b>Deleted (3)</b>		
HVAC Design Manual for Regional Office Projects	dmMEro.doc	06-06
Plumbing Design Manual for Domiciliaries	dmPLdom.doc	06-06
Plumbing Design Manual for NHCUs	dmPLnhcu.doc	06-06
<b>Revised (3)</b>		
Design Manual Index	dManualldx.pdf	07-11
Asbestos Abatement Design Manual	dmASBhosp.pdf	07-11
Electrical Design Manual for Hospitals, etc.	dmELhosp.pdf	12-10

## Master Specifications (PG-18-1) - <http://www.cfm.va.gov/TIL/spec.asp>

Spec. No.	Specification Section Title	File Name	Date
<b>Revised (18)</b>			
00 01 10	Table of Contents	000110.doc	07-11
00 11 21	Request for Proposal to Design Build	001121.doc	07-11
02 65 00	Underground Storage Tank Removal	026500.doc	07-11
02 82 11	Traditional Asbestos Abatement	028211.doc	07-11
02 82 13.13	Glovebag Asbestos Abatement	02821313.doc	07-11
02 82 13.19	Asbestos Floor Tile and Mastic Abatement	02821319.doc	07-11
02 82 13.21	Asbestos Roofing Abatement	02821321.doc	07-11

## Master Specifications (PG-18-1) - <http://www.cfm.va.gov/TIL/spec.asp>

Spec. No.	Specification Section Title	File Name	Date
02 82 13.31	Asbestos Transite Abatement	02821331.doc	07-11
02 82 13.41	Asbestos Abatement for Total Demolition Projects	02821341.doc	07-11
03 23 00	Stressing Tendons	032300.doc	07-11
03 37 13	Shotcrete	033713.doc	07-11
03 41.13	Precast Concrete Hollow Core Planks	034113.doc	07-11
03 41 33	Precast Structural Pretensioned Concrete	034133.doc	07-11
03 55 11	Gypsum Concrete Floor Decks	035511.doc	07-11
05 12 00	Structural Steel Framing	051200.doc	07-11
05 36 00	Composite Metal Decking	053600.doc	07-11
05 40 00	Cold-Formed Metal Framing	054000.doc	07-11
13 49 00	Radiation Protection	134900.doc	07-11

## NCA Specifications (PG-18-1) - <http://www.cfm.va.gov/TIL/nca.asp>

Spec. No.	Specification Section Title	Document Date
<b>Revised (2)</b>		
00 01 10	Table of Contents	07-11
33 10 00	Water Utilities	07-11

**Space Planning Criteria (PG-18-9) - <http://www.cfm.va.gov/til/space.asp>**

<b>Chapter No.</b>	<b>Title</b>	<b>Document Date</b>
<b>New (1)</b>		
232	VHA Office of Information and Technology	02-11
<b>Revised (1)</b>		
N/A	VA Space Planning Criteria Index	07-11

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## August 2011

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### Accessibility (PG-18-13) - <http://www.cfm.va.gov/TIL/accessibility.asp>

Revised (1)	File Name	Document Date
Title		
Barrier Free Design Guide	dgBarrFree.pdf	08-11

### Design & Construction Procedures (PG-18-3) -

<http://www.cfm.va.gov/TIL/cPro.asp>

Title	File Name	Document Date
Revised (1)		
Topic 14 – Safety	cpTop14.pdf	08-11

### Design Guides – (PG-18-12) - <http://www.cfm.va.gov/til/dGuide.asp>

Title	File Name	Document Date
New (1)		
Community Living Center Design Guide	dgCLC.pdf	06-11
Revised (1)		
Design Guide Index	dgIndex.pdf	08-11

## Design Manuals (PG-18-10) - <http://www.cfm.va.gov/til/dManual.asp>

Title	File Name	Document Date
<b>Deleted (3)</b>		
Architectural Design Manual for Nursing Home and Domiciliary Projects	dmARnhdo.doc	05-06
Architectural Design Manual for (Design Build) Nursing Home Projects	dmARdb.doc	05-06
Architectural Design Manual for Regional Office Projects	dmARro.doc	05-06
<b>Revised (3)</b>		
Architectural Design Manual for Ambulatory Care/Outpatient Clinic, Community Living Center, Parking Structure, Energy Center, Hospital, Clinical Addition, Psychiatric, Veterinary Medical Unit, Laundry, Warehouse and VBA Office Building Projects	dmARhosp.pdf	08-11
Automatic Transport Design Manual for Hospital, Clinical Addition, Psychiatric, Ambulatory Care/Outpatient Clinic, Domiciliary, Community Living Center, Energy Center, Parking Structure, VBA Office Building, Laundry and Warehouse	dmAThosp.pdf	08-11
Design Manual Index	dManualldx.pdf	08-11

## Master Specifications (PG-18-1) - <http://www.cfm.va.gov/TIL/spec.asp>

Spec. No.	Specification Section Title	File Name	Date
<b>Revised (8)</b>			
00 01 10	Table of Contents	000110.doc	08-11
01 58 16	Temporary Interior Signage	015816.doc	08-11
02 21 00	Site Surveys	022100.doc	08-11
02 83 33.13	Lead-Based Paint Removal and Disposal	02833313.doc	08-11
04 05 16	Masonry Grouting	040516.doc	08-11



## Master Specifications (PG-18-1) - <http://www.cfm.va.gov/TIL/spec.asp>

Spec. No.	Specification Section Title	File Name	Date
08 71 00	Door Hardware	087100.doc	08-11
13 05 41	Seismic Restraint Requirements for Non-Structural Components	130541.doc	08-11
23 10 00	Facility Fuel Systems	231000.doc	08-11

## Standard Details (PG-18-4) - <http://www.cfm.va.gov/TIL/sDetail.asp>

Detail No.	Detail Title	Date
<b>Deleted (1)</b>		
SD233100-21	Exhaust Ductwork – Glassware Washer	12-08
<b>New (4)</b>		
SD230923-17	Air System for Protective Environment Room (PE) (With Anteroom)	05-11
SD230923-18	Air System for Protective Environment Room (PE) (Without Anteroom)	05-11
SD230923-19	Air System for Combination Airborne Infection Isolation (All)/ Protective Environment (PE) Room with Negative Anteroom	05-11
SD230923-20	Air System for Combination Airborne Infection Isolation (All)/ Protective Environment (PE) Room with Positive Anteroom	05-11
<b>Revised (4)</b>		
SD230923-01	Air System for Airborne Infection Isolation Room (All) (With Anteroom)	05-11
SD230923-02	Air System for Airborne Infection Isolation Room (All) (Without Anteroom)	05-11
SD233100-17	Exhaust Ductwork – Glasswasher	05-11

**Standard Details (PG-18-4) - <http://www.cfm.va.gov/TIL/sDetail.asp>**

<b>Detail No.</b>	<b>Detail Title</b>	<b>Date</b>
SD233100-22	Exhaust Ductwork – Cagewasher	05-11

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### Design Alert - <http://www.cfm.va.gov/til/alertDesign.asp>

Revised (2)	File Name	Document Date
Title		
Spinal Cord Injury/Disorders Design Guide	dAlert137.pdf	08-11
Design Alert Index	dAlertIdx.pdf	09-11

### Master Specifications (PG-18-1) - <http://www.cfm.va.gov/TIL/spec.asp>

Spec. No.	Specification Section Title	File Name	Document Date
<b>New (2)</b>			
28 05 00	Common Work Results for Electronic Safety and Security	280500.doc	09-11
28 05 28.33	Conduits and Backboxes for Electronic Safety and Security	28052833.doc	09-11
<b>Deleted (2)</b>			
28 05 11	Requirements for Electronic Safety and Security Installations	280511.doc	04-11
28 05 33	Raceways and Boxes for Electronic Safety and Security	280533.doc	12-05
<b>Revised (36)</b>			
00 01 10	Table of Contents	000110.doc	09-11

## Master Specifications (PG-18-1) - <http://www.cfm.va.gov/TIL/spec.asp>

Spec. No.	Specification Section Title	File Name	Document Date
00 01 15	List of Drawing Sheets	000115.doc	09-11
01 42 19	Reference Standards	014219.doc	09-11
03 45 00	Precast Architectural Concrete	034500.doc	09-11
03 51 13	Cementitious Wood Fiber Decks	035113.doc	09-11
03 51 16	Gypsum Concrete Roof Decks	035116.doc	09-11
03 52 00	Lightweight Concrete Roof Insulation	035200.doc	09-11
04 05 13	Masonry Mortaring	041513.doc	09-11
04 05 16	Masonry Grouting	040516.doc	09-11
04 20 00	Unit Masonry	042000.doc	09-11
04 72 00	Cast Stone Masonry	047200.doc	09-11
05 50 00	Metal Fabrications	055000.doc	09-11
05 51 00	Metal Stairs	055100.doc	09-11
06 10 00	Rough Carpentry	061000.doc	09-11
06 16 63	Cementitious Sheathing	061663.doc	09-11
07 12 00	Built-Up Bituminous Waterproofing	071200.dco	09-11
07 13 52	Modified Bituminous Sheet Waterproofing	071352.doc	09-11
07 14 21	Latex Mastic Deck Covering	071421.doc	09-11
07 18 13	Pedestrian Traffic Coatings	071813.doc	09-11
08 71 00	Door Hardware	087100.doc	09-11
09 65 13	Resilient Base and Accessories	096513.doc	09-11
14 21 00	Electric Traction Elevators	142100.doc	09-11
21 10 00	Water-Based Fire-Suppression Systems	211000.doc	09-11
23 09 23	Direct-Digital Control System for HVAC	230923.doc	09-11
23 10 00	Facility Fuel Systems	231000.doc	09-11

## Master Specifications (PG-18-1) - <http://www.cfm.va.gov/TIL/spec.asp>

<b>Spec. No.</b>	<b>Specification Section Title</b>	<b>File Name</b>	<b>Document Date</b>
23 21 11	Boiler Plant Piping Systems	232111.doc	09-11
27 32 41	Two-Way Radio Equipment and Systems	273241.doc	09-11
28 05 13	Conductors and Cables for Electronic Safety and Security	280513.doc	09-11
28 05 26	Grounding and Bonding for Electronic Safety and Security	280526.05	09-11
28 13 11	Physical Access Control Systems	281311.doc	09-11
28 13 16	Access Control System and Database Management	281316.doc	09-11
28 13 53	Security Access Detection	281353.doc	09-11
28 16 11	Intrusion Detection System	281611.doc	09-11
28 23 00	Video Surveillance	282300.doc	09-11
28 26 00	Electronic Personal Protection System	282600.doc	09-11
28 31 00	Fire Detection and Alarm	283100.doc	09-11

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### Design Manuals (PG-18-10) - <http://www.cfm.va.gov/til/dManual.asp>

Title	File Name	Document Date
<b>New (1)</b>		
HVAC Design Manual for Hospitals Amendment B	dmMEhospAmendB.pdf	10-11
<b>Revised (1)</b>		
Design Manual Index	dManualIdx.pdf	10-11

### Master Specifications (PG-18-1) - <http://www.cfm.va.gov/TIL/spec.asp>

Spec. No.	Specification Section Title	File Name	Document Date
<b>New (3)</b>			
11 71 02	Laboratory Washing and Sterilizing Equipment	117102.doc	10-11
28 13 00	Physical Access Control Systems	281300.doc	10-11
28 16 00	Intrusion Detection System	281600.doc	10-11
<b>Deleted (2)</b>			
28 13 11	Physical Access Control Systems	281311.doc	09-11
28 16 11	Intrusion Detection System	281611.doc	09-11

## Master Specifications (PG-18-1) - <http://www.cfm.va.gov/TIL/spec.asp>

Spec. No.	Specification Section Title	File Name	Document Date
<b>Revised (49)</b>			
00 01 10	Table of Contents	000110.doc	10-11
07 24 00	Exterior Insulation and Finish Systems	072400.doc	10-11
07 40 00	Roofing and Siding Panels	074000.doc	10-11
07 53 23	Ethylene-Propylene-Diene-Monomer Roofing	075323.doc	10-11
07 56 00	Fluid-Applied Roofing	075600.doc	10-11
07 57 13	Sprayed Polyurethane Foam Roofing	075713.doc	10-11
07 61 16	Batten Seam Sheet Metal Roofing	076116.doc	10-11
07 71 00	Roof Specialties	077100.doc	10-11
07 72 00	Roof Accessories	077200.doc	10-11
07 84 00	Firestopping	078400.doc	10-11
07 95 13	Expansion Joint Cover Assemblies	079513.doc	10-11
08 11 61	Detention Door Screens	081161.doc	10-11
08 11 73	Sliding Metal Fire Doors	081173.doc	10-11
08 31 13	Access Doors and Frames	083113.doc	10-11
08 33 00	Coiling Doors and Grilles	083300.doc	10-11
08 33 13	Coiling Counter Doors	083313.doc	10-11
08 34 36	Darkroom Doors	083436.doc	10-10

## Master Specifications (PG-18-1) - <http://www.cfm.va.gov/TIL/spec.asp>

<b>Spec. No.</b>	<b>Specification Section Title</b>	<b>File Name</b>	<b>Document Date</b>
08 34 59	Vault Doors and Day Gates	083459.doc	10-11
08 35 13.13	Accordion Folding Doors	08352313.doc	10-11
08 36 13	Sectional Doors	083613.doc	10-11
08 38 16	Flexible Traffic Doors	083816.doc	10-11
08 41 13	Aluminum-Framed Entrances and Storefronts	084113.doc	10-11
08 42 33	Revolving Door Entrances	084233.doc	10-11
08 44 13	Glazed Aluminum Curtain Walls	084413.doc	10-11
08 51 23	Steel Windows	085123.doc	10-11
08 51 69.11	Aluminum Storm Windows	08516911.doc	10-11
08 56 19	Pass Windows	085619.doc	10-11
08 56 59	Service and Teller Window Units	085659.doc	10-11
08 56 66	Detention Window Screens	085666.doc	10-11
08 63 00	Metal-Framed Skylights	086300.doc	10-11
08 90 00	Louvers and Vents	089000.doc	10-11
09 06 00	Schedule for Finishes	090600.doc	10-11
09 23 00	Gypsum Plastering	092300.doc	10-11
09 24 00	Portland Cement Plastering	092400.doc	10-11
09 26 00	Veneer Plastering	092600.doc	10-11



## Master Specifications (PG-18-1) - <http://www.cfm.va.gov/TIL/spec.asp>

<b>Spec. No.</b>	<b>Specification Section Title</b>	<b>File Name</b>	<b>Document Date</b>
09 54 23	Linear Metal Ceilings	095423.doc	10-11
09 63 13	Brick Flooring	096313.doc	10-11
09 63 40	Stone Flooring	096340.doc	10-11
09 65 13	Resilient Base and Accessories	096513.doc	10-11
09 66 13	Portland Cement Terrazzo Flooring	096613.doc	10-11
09 66 16	Terrazzo Floor Tile	096613.doc	10-11
09 68 00	Carpeting	096800.doc	10-11
10 11 13	Chalkboards and Markerboards	101113.doc	10-11
28 31 00	Fire Detection and Alarm	283100.doc	10-11
32 84 00	Planting Irrigation	328400.doc	10-11
32 90 00	Planting	329000.doc	10-11
33 40 00	Storm Drainage Utilities	334000.doc	10-11
33 46 13	Foundation Drainage	334613.doc	10-11
33 51 00	Natural-Gas Distribution	335100.doc	10-11

# STANDARDS UPDATE

## November 2011

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### Design Manuals (PG-18-10) - <http://www.cfm.va.gov/til/dManual.asp>

Title	File Name	Document Date
<b>Revised (2)</b>		
VA Fire Protection Design Manual	dmfpfire.doc	09-11
Design Manual Index	dManualIdx.pdf	11-11

### Master Specifications (PG-18-1) - <http://www.cfm.va.gov/TIL/spec.asp>

Spec. No.	Specification Section Title	File Name	Document Date
<b>Revised (49)</b>			
00 01 10	Table of Contents	000110.doc	11-11
07 81 00	Applied Fireproofing	078100.doc	11-11
09 68 21	Athletic Carpeting	096821.doc	11-11
09 69 00	Access Flooring	096900.doc	11-11
09 72 16	Vinyl-Coated Fabric Wall Covering	097216.doc	11-11
09 72 31	Polypropylene Fabric Wall Covering	097231.doc	11-11

## Master Specifications (PG-18-1) - <http://www.cfm.va.gov/TIL/spec.asp>

<b>Spec. No.</b>	<b>Specification Section Title</b>	<b>File Name</b>	<b>Document Date</b>
09 84 33	Sound-Absorbing Wall Units	098433.doc	11-11
10 11 23	Tackboards	101123.doc	11-11
10 13 00	Directories	101300.doc	11-11
10 14 00	Signage	101400.doc	11-11
10 21 13	Toilet Compartments	102113.doc	11-11
10 21 16	Shower and Dressing Compartments	102116.doc	11-11
10 21 23	Cubicle Curtain Tracks	102123.doc	11-11
10 22 13	Wire Mesh Partitions	102213.doc	11-11
10 22 26.13	Accordion Folding Partitions	10222613.doc	11-11
10 25 13	Patient Bed Service Walls	102513.doc	11-11
10 28 00	Toilet, Bath, and Laundry Accessories	102800.doc	11-11
10 44 13	Fire Extinguisher Cabinets	104413.doc	11-11
10 75 00	Flagpoles	107500.doc	11-11
11 05 12	General Motor Requirements for Equipment	110512.doc	11-11
11 12 00	Parking Control Equipment	111200.doc	11-11
11 17 36	Package Transfer Units	111736.doc	11-11
11 26 00	Unit Kitchens	112600.doc	11-11
11 27 00	Photographic Processing Equipment	112700.doc	11-11

## Master Specifications (PG-18-1) - <http://www.cfm.va.gov/TIL/spec.asp>

<b>Spec. No.</b>	<b>Specification Section Title</b>	<b>File Name</b>	<b>Document Date</b>
11 40 11	Custom Fabricated Food Service Equipment	114011.doc	11-11
11 40 21	Food Service Equipment-Utility Distribution System	114021.doc	11-11
11 41 00	Food Storage Equipment	114100.doc	11-11
11 41 21	Walk-In Coolers and Freezers	114121.doc	11-11
11 44 00	Food Cooking Equipment	114100.doc	11-11
11 48 00	Cleaning and Disposal Equipment	114800.doc	11-11
11 53 23	Laboratory Refrigerators	115323.doc	11-11
11 53 61	Custom Fabricated Laboratory Equipment	115361.doc	11-11
11 53 71	Solution Warming Cabinets	115371.doc	11-11
11 78 00	Mortuary Equipment	117800.doc	11-11
11 78 13	Mortuary Refrigerators	117813.doc	11-11
11 79 13	Hydrotherapy Equipment	117913.doc	11-11
11 82 19	Packaged Incinerators	118219.doc	11-11
12 22 16	Drapery Track and Accessories	122216.doc	11-11
12 24 00	Window Shades	122400.doc	11-11
12 24 21	Lightproof Shades	122421.doc	11-11
12 32 00	Manufactured Wood Casework	123200.doc	11-11
12 34 00	Manufactured Plastic Casework	123400.doc	11-11

## Master Specifications (PG-18-1) - <http://www.cfm.va.gov/TIL/spec.asp>

<b>Spec. No.</b>	<b>Specification Section Title</b>	<b>File Name</b>	<b>Document Date</b>
12 35 70.21	Medication Cabinet	12357021.doc	11-11
12 56 70.11	Suspended Table	12567011.doc	11-11
13 17 23	Therapeutic Pools	131723.doc	11-11
13 17 23.11	Therapeutic Pool Accessories	13172311.doc	11-11
13 19 13	Kennel Enclosures and Gates	131913.doc	11-11
13 21 29	Constant Temperature Rooms	132129.doc	11-11
13 34 19	Metal Building Systems	133419.doc	11-11

# STANDARDS UPDATE

December 2011 rev1

Department of Veterans Affairs



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## Accessibility (PG-18-13) - <http://www.cfm.va.gov/TIL/accessibility.asp>

Title	File Name	Document Date
<b>Revised (1)</b>		
Barrier Free Design Guide	dgBarrFree.pdf	12-11

## Design Guides (PG-18-12) - <http://www.cfm.va.gov/til/dGuide.asp>

Title	File Name	Document Date
<b>Revised (1)</b>		
Design Guide Index	dgIndex.pdf	12-11

## Design Manuals (PG-18-10) - <http://www.cfm.va.gov/til/dManual.asp>

Title	File Name	Document Date
<b>Deleted (1)</b>		
Electrical Design Manual for Regional Office Projects	dmELro.doc	05-06
<b>Revised (1)</b>		
Design Manual Index	dManualIdx.pdf	12-11

## Minimum Requirements for A/E Submission (PG 18-15) -

<http://www.cfm.va.gov/contract/aeDesSubReq.asp>

Title	File Name	Document Date
<b>Revised (2)</b>		
A/E Package Table of Contents	aep_toc.pdf	12-11
A/E Submission Requirements for National Cemetery Projects	aeSubCem.pdf	12-11

## Master Specifications (PG-18-1) - <http://www.cfm.va.gov/TIL/spec.asp>

Spec. No.	Specification Section Title	File Name	Document Date
<b>Revised (6)</b>			
00 01 10	Table of Contents	000110.doc	12-11
01 81 11	Sustainable Design Requirements	018111.doc	12-11
07 92 00	Joint Sealants	079200.doc	12-11
32 31 53	Perimeter Security Fences and Gates	323153.doc	12-11
34 71 13	Vehicle Barriers	347113.doc	12-11
34 75 13.13	Active Vehicle Barriers	34751313.doc	12-11

## NCA Specifications (PG-18-1) - <http://www.cfm.va.gov/TIL/nca.asp>

Spec. No.	Specification Section Title	Document Date
<b>Revised (3)</b>		
00 01 10	Table of Contents	12-11

## NCA Specifications (PG-18-1) - <http://www.cfm.va.gov/TIL/nca.asp>

<b>Spec. No.</b>	<b>Specification Section Title</b>	<b>Document Date</b>
03 48 21	Precast Concrete Burial Crypts (Double Depth Lawn Crypt)	12-11
32 31 00	Ornamental Fence	12-11
	32 90 00 Planting was removed from this update and 05-10 version was restored.	

## Special Requirements & Studies - <http://www.cfm.va.gov/til/spclRqmts.asp>

<b>Title</b>	<b>File Name</b>	<b>Document Date</b>
<b>New (2)</b>		
LED & Conventional Lighting Technologies Study	LightingStudy.pdf	10-11
LED & Conventional Lighting Technologies Study Appendix A – Cutsheets	LightingStudyCutsheets.pdf	10-11



# STANDARDS UPDATE

February 1, 2012

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## Design Guides - <http://www.cfm.va.gov/til/dGuide.asp>

Title	File Name	Document Date
<b>New (4)</b>		
Cardiovascular Laboratory Service	dgCardiovascular.pdf	11-29-11
Digestive Diseases – Endoscopy Service	dgDigestiveEndoscopy.pdf	11-29-11
Electroencephalography Laboratory (EEG)	dgEEG	11-29-11
Medical/Surgical Inpatient Units & Intensive Care Nursing Units	dgInpatientNU.pdf	11-29-11
<b>Revised (2)</b>		
Pulmonary Medicine Service	dgPulmonary.pdf	11-29-11
Design Guide Index	dgIndex.doc	02-01-12

## Design Manuals (PG-18-10) - <http://www.cfm.va.gov/til/dManual.asp>

Title	File Name	Document Date
<b>Deleted (1)</b>		
Interior Design Manual for Regional Office Projects	dmlDro.doc	05-06
<b>Revised (1)</b>		
Design Manual Index (note: new Index file name)	dmlIndex.pdf	02-01-12

## Master Specifications (PG-18-1) - <http://www.cfm.va.gov/TIL/spec.asp>

Spec. No.	Specification Section Title	File Name	Document Date
<b>Revised (4)</b>			
00 01 10	Table of Contents	000110.doc	02-01-12
08 17 10	Integrated Door Assemblies	081710.doc	02-01-12
09 29 00	Gypsum Board	092900.doc	02-01-12
23 40 00	HVAC Air Cleaning Devices	234000.doc	02-01-12

## NCA Specifications (PG-18-1) - <http://www.cfm.va.gov/TIL/nca.asp>

Spec. No.	Specification Section Title	Document Date
<b>Revised (2)</b>		
00 01 10	Table of Contents	02-01-12
32 90 00	Planting	02-01-12

## Space Planning Criteria for VA Facilities- <http://www.cfm.va.gov/til/space.asp>

Title	File Name	Document Date
<b>Revised (7)</b>		
Space Planning Criteria Index	spclIndex.pdf	02-01-12
Chapter 100 – Medical/Surgical Inpatient Units	SPchapter100.pdf	11-29-11
Chapter 102 – Intensive Care Nursing Units	SPchapter102.pdf	11-29-11
Chapter 210 – Cardiovascular Laboratory Services	SPchapter210.pdf	11-29-11
Chapter 287 – Digestive Diseases - Endoscopy	SPchapter287.pdf	11-29-11
Chapter 212 – Pulmonary Medicine Service	SPchapter212.pdf	11-29-11
Chapter 226 – Electroencephalography Laboratory	SPchapter226.pdf	11-29-11

# STANDARDS UPDATE

March 1, 2012

Department of Veterans Affairs



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## CAD Standards - <http://www.cfm.va.gov/til/projReg.asp#cad>

Title	File Name	Document Date
<b>Revised (2)</b>		
VA Title Block (filename formerly titleBlockTemplate.dwg)	titleBlock.dwg	03-01-12
VA Title Block Information	titleBlockInfo.dwg	03-01-12

## Master Specifications (PG-18-1) - <http://www.cfm.va.gov/TIL/spec.asp>

Spec. No.	Specification Section Title	File Name	Document Date
<b>Revised (5)</b>			
00 01 10	Table of Contents	000110.doc	03-01-12
01 33 23	Shop Drawings, Product Data, and Samples	013323.doc	03-01-12
07 31 26	Slate Shingles	073126.doc	03-01-12
08 17 10	Integrated Door Assemblies	081710.doc	03-01-12
08 71 00	Door Hardware	087100.doc	03-01-12

## NCA Specifications (PG-18-1) - <http://www.cfm.va.gov/TIL/nca.asp>

Spec. No.	Specification Section Title	Document Date
<b>Revised (3)</b>		
00 01 10	Table of Contents	03-01-12
01 32 16.13	Network Analysis Schedules (NCA)	03-01-12
28 31 00	Fire Detection and Alarm	03-01-12

## Standards Alerts - <http://www.cfm.va.gov/til/alert.asp>

Title	File Name	Document Date
<b>New (1)</b>		
Standardization of Square Footage Space Definitions and Measurements for VA Facilities	sAlert002.pdf	02-17-12
<b>Revised (1)</b>		
Standards Alert Index	sAlertidx.pdf	03-01-12

# STANDARDS UPDATE

April 1, 2012

Department of Veterans Affairs



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## Standards Alerts - <http://www.cfm.va.gov/til/alert.asp>

Title	File Name	Document Date
<b>Revised (2)</b>		
Standardization of Square Footage Space Definitions and Measurements for VA Facilities	sAlert002a.pdf	04-01-12
Standards Alert Index	sAlertidx.pdf	04-01-12

# STANDARDS UPDATE

May 1, 2012

Department of Veterans Affairs



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## Design Alerts - <http://www.cfm.va.gov/TIL/alertDesign.asp>

Title	File Name	Document Date
<b>New (1)</b>		
Indoor Water Features, Decorative Fountains: <u>Recommend Non-Use</u>	dAlert138.pdf	04-19-12
<b>Revised (1)</b>		
Design Alert Index	dAlertidx.pdf	04-19-12

## Master Specifications (PG-18-1) - <http://www.cfm.va.gov/TIL/spec.asp>

Spec. No.	Specification Section Title	File Name	Document Date
<b>Revised (14)</b>			
00 01 10	Table of Contents	000110.doc	05-01-12
01 32 16.16	Network Analysis Schedules (Design-Build Only)	01321616.doc	05-01-12
01 74 19	Construction Waste Management	017419.doc	05-01-12
03 30 53	(Short-Form) Cast-in-Place Concrete	033053.doc	05-01-12

## Master Specifications (PG-18-1) - <http://www.cfm.va.gov/TIL/spec.asp>

Spec. No.	Specification Section Title	File Name	Document Date
04 20 00	Unit Masonry	042000.doc	05-01-12
06 16 63	Cementitious Sheathing	061663.doc	05-01-12
07 11 13	Bituminous Dampproofing	071113.doc	05-01-12
07 31 13	Asphalt Shingles	073113.doc	05-01-12
07 31 29.13	Wood Shingles	07312913.doc	05-05-12
07 32 13	Clay Roof Tiles	073213.doc	05-01-12
08 56 53	Blast Resistant Windows	085653.doc	05-01-12
09 30 13	Ceramic/Porcelain Tiling	093013.doc	05-01-12
10 21 13	Toilet Compartments	102113.doc	05-01-12
22 62 00	Vacuum Systems for Laboratory and Healthcare Facilities	226200.doc	05-01-12

## NCA Specifications (PG-18-1) - <http://www.cfm.va.gov/TIL/nca.asp>

Spec. No.	Specification Section Title	Document Date
<b>Revised (3)</b>		
00 01 10	Table of Contents	05-01-12
01 32 16.13	Network Analysis Schedules (NCA)	05-01-12
09 30 13	Ceramic Tiling	05-01-12

# STANDARDS UPDATE

June 1, 2012

Department of Veterans Affairs



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## Master Specifications (PG-18-1) - <http://www.cfm.va.gov/TIL/spec.asp>

Spec. No.	Specification Section Title	File Name	Document Date
<b>Revised (13)</b>			
00 01 10	Table of Contents	000110.doc	06-01-12
01 45 29	Testing Laboratory Services	014529.doc	06-01-12
01 74 19	Construction Waste Management	017419.doc	06-01-12
01 81 11	Sustainable Design Requirements	018111.doc	06-01-12
07 21 13	Thermal Insulation	072113.doc	06-01-12
07 21 23	Loose-Fill Insulation	072123.doc	06-01-12
08 11 13	Hollow Metal Doors and Frames	081113.doc	06-01-12
08 71 13	Automatic Door Operators	087113.doc	06-01-12
09 91 00	Painting	099100.doc	06-01-12
10 22 19.13	Demountable Metal Partitions	10221913.doc	06-01-12



## Master Specifications (PG-18-1) - <http://www.cfm.va.gov/TIL/spec.asp>

<b>Spec. No.</b>	<b>Specification Section Title</b>	<b>File Name</b>	<b>Document Date</b>
14 91 33	Laundry and Linen Chutes	149133.doc	06-01-12
14 91 82	Trash Chutes	149182.doc	06-01-12
22 13 00	Facility Sanitary and Vent Piping	221300.doc	06-01-12

## Design Alerts - <http://www.cfm.va.gov/til/alertDesign.asp>

<b>Title</b>	<b>File Name</b>	<b>Document Date</b>
<b>Deleted (Rescinded) (3)</b>		
FM-181A-DA-125 Construction Waste Management	dAlert125.doc	06-01-12
FM-181A-DA-126 Energy Efficient and Sustainable Design Policy for VA New Construction	dAlert126.doc	06-01-12
FM-181A-DA-127 Sustainable Buildings Policy for New and VA Renovation Construction	dAlert127.doc	06-01-12
<b>Revised (1)</b>		
Design Alert Index	dAlertIdx.pdf	06-01-12

## Standards Alerts - <http://www.cfm.va.gov/til/alert.asp>

<b>Title</b>	<b>File Name</b>	<b>Document Date</b>
<b>New (1)</b>		
Sustainable Design – Healthcare Third-Party Rating of Facilities	sAlert003.pdf	06-01-12
<b>Revised (1)</b>		
Standards Alert Index	sAlertIdx.pdf	06-01-12

# STANDARDS UPDATE

July 1, 2012

Department of Veterans Affairs



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## Master Specifications (PG-18-1) - <http://www.cfm.va.gov/TIL/spec.asp>

Spec. No.	Specification Section Title	File Name	Document Date
<b>Revised (2)</b>			
00 01 10	Table of Contents	000110.doc	07-01-12
22 62 00	Vacuum Systems for Laboratory and Healthcare Facilities	226200.doc	07-01-12

## Design Alerts - <http://www.cfm.va.gov/til/alertDesign.asp>

Title	File Name	Document Date
<b>New (1)</b>		
Computer Aided Design and Drafting (CADD)	dAlert139.pdf	07-01-12
<b>Revised (1)</b>		
Design Alert Index	dAlertIdx.pdf	07-01-12

# STANDARDS UPDATE

## August 1, 2012

Department of Veterans Affairs



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Facilities Standards Service

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### Master Specifications (PG-18-1) - <http://www.cfm.va.gov/TIL/spec.asp>

Spec. No.	Specification Section Title	File Name	Document Date
<b>New (2)</b>			
07 27 26	Fluid-Applied Membrane Air Barriers, Vapor Permeable	072726.doc	08-01-12
07 27 27	Fluid-Applied Membrane Air Barriers, Vapor Retarding	072727.doc	08-01-12
<b>Revised (3)</b>			
00 01 10	Table of Contents	000110.doc	08-01-12
01 45 29	Testing Laboratory Services	014529.doc	08-01-12
22 62 00	Vacuum Systems for Laboratory and Healthcare Facilities	226200.doc	08-01-12

## Design Alerts - <http://www.cfm.va.gov/til/alertDesign.asp>

Title	File Name	Date
<b>Rescinded (1)</b>		
Computer Aided Design and Drafting (CADD)	dAlert139.pdf	07-19-12
<b>Revised (1)</b>		
Design Alert Index	dAlertIdx.pdf	08-01-12

## Design Manuals - <http://www.cfm.va.gov/til/dManual.asp>

Title	File Name	Date
<b>Revised (2)</b>		
Steam Generation Design Manual	dmSMgen.pdf	08-01-12
Design Manual Index	dmIndex.pdf	08-01-12

# STANDARDS UPDATE

September 1, 2012

Department of Veterans Affairs



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Facilities Standards Service

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## Master Specifications (PG-18-1) - <http://www.cfm.va.gov/TIL/spec.asp>

Spec. No.	Specification Section Title	File Name	Document Date
<b>New (1)</b>			
27 53 19	Distributed Radio Antenna (Within Building) Equipment and System	275319.doc	09-01-12
<b>Revised (3)</b>			
00 01 10	Table of Contents	000110.doc	09-01-12
09 63 13	Brick Flooring	096313.doc	09-01-12
23 21 13	Hydronic Piping	232113.doc	09-01-12

## Standards Alerts - <http://www.cfm.va.gov/til/alert.asp>

Title	File Name	Document Date
<b>New (1)</b>		
Sustainable Design Commissioning	sAlert004.pdf	08-01-12
<b>Revised (1)</b>		
Standards Alert Index	sAlertidx.pdf	09-01-12

## Sustainability - <http://www.cfm.va.gov/til/sustain.asp>

Title	File Name	Document Date
<b>New (1)</b>		
High Performance and Sustainable Building Guidance	HPSBGuidance2008.pdf	12-01-08

# STANDARDS UPDATE

Oct 1, 2012

Department of Veterans Affairs



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UPDATES ARE EFFECTIVE THE FIRST DAY OF THE MONTH unless otherwise noted

## Master Specifications (PG-18-1) - <http://www.cfm.va.gov/TIL/spec.asp>

Spec. No.	Specification Section Title	File Name	Document Date
<b>Revised (16)</b>			
00 01 10	Table of Contents	000110.doc	10-01-12
01 00 00	General Requirements	010000.doc	10-01-12
01 45 29	Testing Laboratory Services	014529.doc	10-01-12
03 30 00	Cast-in-Place Concrete	033000.doc	10-01-12
03 30 53	(Short-Form) Cast-in-Place Concrete	033053.doc	10-01-12
05 31 00	Steel Decking	053100.doc	10-01-12
08 14 00	Interior Wood Doors	081400.doc	10-01-12
08 80 00	Glazing	088000.doc	10-01-12
31 20 00	Earthwork [NAME CHANGE]	312000.doc	10-01-12
31 20 11	Earthwork (Short Form) [NAME CHANGE]	312011.doc	10-01-12

## Master Specifications (PG-18-1) - <http://www.cfm.va.gov/TIL/spec.asp>

<b>Spec. No.</b>	<b>Specification Section Title</b>	<b>File Name</b>	<b>Document Date</b>
31 23 19	Dewatering	312319.doc	10-01-12
31 23 23.33	Flowable Fill	31232333.doc	10-01-12
31 32 23	Pressure Grouting Soil Stabilization	313223.doc	10-01-12
31 62 00	Driven Piles	316200.doc	10-01-12
31 63 16	Auger Cast Grout Piles	316316.doc	10-01-12
31 63 26	Drilled Caissons	316326.doc	10-01-12



# STANDARDS UPDATE

November 1, 2012

Department of Veterans Affairs



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## Master Specifications (PG-18-1) - <http://www.cfm.va.gov/TIL/spec.asp>

<b>Spec. No.</b>	<b>Specification Section Title</b>	<b>File Name</b>	<b>Document Date</b>
<b>Revised (4)</b>			
00 01 10	Table of Contents	000110.doc	11-01-12
05 12 00	Structural Steel Framing	051200.doc	11-01-12
07 54 19	Polyvinyl-Chloride (PVC)	075419.doc	11-01-12
08 51 13	Aluminum Windows	085113.doc	11-01-12

# STANDARDS UPDATE

January 1, 2013

Department of Veterans Affairs



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## Design Alerts - <http://www.cfm.va.gov/til/alertDesign.asp>

Title	File Name	Document Date
<b>Recinded (1)</b>		
Sustainable Design – Renewable Energy Requirements	dAlert140.pdf	12-01-12
<b>Revised (1)</b>		
Design Alert Index	dAlertIdx.pdf	01-01-13

## Master Specifications (PG-18-1) - <http://www.cfm.va.gov/TIL/spec.asp>

Spec. No.	Specification Section Title	File Name	Document Date
<b>New (6)</b>			
23 56 00	Solar Energy Heating System	235600.doc	01-01-13
23 57 33	Geothermal Energy – Direct Use (Heating Applications)	235733.doc	01-01-13
23 81 49	Ground-Source Heat Pumps	238149.doc	01-01-13

## Master Specifications (PG-18-1) - <http://www.cfm.va.gov/TIL/spec.asp>

<b>Spec. No.</b>	<b>Specification Section Title</b>	<b>File Name</b>	<b>Document Date</b>
48 14 00	Solar Energy Electrical Power Generation System	481400.doc	01-01-13
48 15 00	Wind Energy Electrical Power Generation	481500.doc	01-01-13
48 16 23	Geothermal Energy – Electricity Generation System	481623.doc	01-01-13
<b>Revised (5)</b>			
00 01 10	Table of Contents	000110.doc	01-01-13
01 00 00	General Requirements	010000.doc	01-01-13
07 54 23	Thermoplastic Polyolefin (TPO) Roofing	075423.doc	01-01-13
08 11 13	Hollow Metal Doors and Frames	081113.doc	01-01-13
13 34 19	Metal Building Systems	133419.doc	01-01-13

## Standards Alerts - <http://www.cfm.va.gov/til/alert.asp>

<b>Title</b>	<b>File Name</b>	<b>Document Date</b>
<b>New (1)</b>		
Sustainable Design – Renewable Energy Requirements	sAlert005.pdf	01-01-13
<b>Revised (1)</b>		
Standards Alert Index	sAlertIdx.pdf	01-01-13

# STANDARDS UPDATE

February 1, 2013

Department of Veterans Affairs



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## Master Specifications (PG-18-1) - <http://www.cfm.va.gov/TIL/spec.asp>

Spec. No.	Specification Section Title	File Name	Document Date
<b>Revised (5)</b>			
00 01 10	Table of Contents	000110.doc	02-01-13
01 81 11	Sustainable Design Requirement	018111.doc	02-01-13
07 52 16	Styrene-Butadiene-Styrene Modified Bituminous Membrane, Roofing, Cold Applied	075216.doc	02-01-13
09 29 00	Gypsum Board	092900.doc	02-01-13
11 17 36	Package Transfer	111736.doc	02-01-13

## VA Signage Design Guide - <http://www.cfm.va.gov/til/specRqmts.asp#SIGN>

Section Title	File Name	Date
<b>Deleted (10)</b>		
Introduction, Acknowledgments & Design Elements	signage01.pdf	02-2005

## VA Signage Design Guide - <http://www.cfm.va.gov/til/spclRqmts.asp#SIGN>

Section Title	File Name	Date
Exterior Signs Part 1	signage02a.pdf	02-2005
Exterior Signs Part 2	signage02b.pdf	02-2005
Parking Lots & Parking Structures	signage03.pdf	02-2005
Mandatory VA Policy Signs by Directive	signage04.pdf	02-2005
Code & Life Safety Signs	signage05.pdf	02-2005
Interior Signs	signage06.pdf	02-2005
Specialty Signs	signage07.pdf	02-2005
Need a Sign? Program	signage08.pdf	02-2005
Room & Floor Renumbering	signage09.pdf	02-2005
<b>New (14)</b>		
01-Introduction, Acknowledgments, Design Elements	Signage01-Intro.pdf	12-2012
02-Need a New Sign Program	Signage02-NeedASign.pdf	12-2012
03-Room Renumbering	Signage03-RoomRenum.pdf	12-2012
04-Exterior Signs	Signage04-Exterior.pdf	12-2012
05-Parking Structure Signs	Signage05-ParkingStruct.pdf	12-2012
06-Parking Lot Signs	Signage06-ParkingLot.pdf	12-2012
07-Mandatory VA Policy Signs	Signage07-Mandatory.pdf	12-2012
08-Code and Life Safety Signs	Signage08-CodeLS.pdf	12-2012
09-Interior Signs	Signage09-Interior.pdf	12-2012
10-"You Are Here" Maps and Directories	Signage10-YouAreHere.pdf	12-2012

## VA Signage Design Guide - <http://www.cfm.va.gov/til/spclRqmts.asp#SIGN>

<b>Section Title</b>	<b>File Name</b>	<b>Date</b>
11-Specialty Signs	Signage11-Specialty.pdf	12-2012
12-Cemetery Signs	Signage12-Cemetery.pdf	12-2012
13-Glossary	Signage13-Glossary.pdf	12-2012
14-Appendix	Signage14-Appendix.pdf	12-2012

# STANDARDS UPDATE

March 1, 2013

Department of Veterans Affairs



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## Design Manuals (PG-18-10) - <http://www.cfm.va.gov/TIL/dManual.asp>

Title	File Name	Document Date
<b>Deleted (2)</b>		
Site Development Design Manual	dmSITE.doc	06-2006
Site Utilities Design Manual	dmUTILS.pdf	07-2010
<b>New (2)</b>		
Site Development Design Manual	dmSITE.pdf	02-01-13
Site Development Design Manual Appendix	dmSITEAppendix.pdf	02-01-13
<b>Modified (1)</b>		
Design Manual Index	dmIndex.pdf	03-01-13

## Master Specifications (PG-18-1) - <http://www.cfm.va.gov/TIL/spec.asp>

<b>Spec. No.</b>	<b>Specification Section Title</b>	<b>File Name</b>	<b>Document Date</b>
<b>Revised (3)</b>			
00 01 10	Table of Contents	000110.doc	03-01-13
01 00 00	General Requirements	010000.doc	03-01-13
23 31 00	HVAC Ducts and Castings	233100.doc	03-01-13

## Space Planning Criteria (PG-18-9) - <http://www.cfm.va.gov/TIL/space.asp>

<b>Chapter No.</b>	<b>Chapter Title</b>	<b>File Name</b>	<b>Document Date</b>
<b>Revised (2)</b>			
212	Pulmonary Medicine Service	SPchapter212.pdf	03-01-13
287	Digestive Diseases – Endoscopy Suite	SPchapter287.pdf	03-01-13



# STANDARDS UPDATE

April 1, 2013

Department of Veterans Affairs



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## Design Manuals (PG-18-10) - <http://www.cfm.va.gov/TIL/dManual.asp>

Title	File Name	Document Date
<b>New (1)</b>		
Parking Design Manual and Demand Model	dmParking.pdf	04-01-13
<b>Revised (2)</b>		
Design Manual Index	dmIndex.pdf	04-01-13
Structural Design Manual for Regional Office Projects	dmSTro.doc	04-01-13

## Master Specifications (PG-18-1) - <http://www.cfm.va.gov/TIL/spec.asp>

Spec. No.	Specification Section Title	File Name	Document Date
<b>Revised (5)</b>			
00 01 10	Table of Contents	000110.doc	04-01-13
01 32 16.15	Project Schedules	01321615.doc	04-01-13

**Master Specifications (PG-18-1) - <http://www.cfm.va.gov/TIL/spec.asp>**

<b>Spec. No.</b>	<b>Specification Section Title</b>	<b>File Name</b>	<b>Document Date</b>
02 41 00	Demolition	024100.doc	04-01-13
07 08 00	Facility Exterior Closure Commissioning	070800.doc	04-01-13
07 13 00	Sheet Waterproofing	071300.doc	04-01-13

**NCA Master Specifications - <http://www.cfm.va.gov/til/ncaSpec.asp>**

<b>Spec. No.</b>	<b>Specification Section Title</b>	<b>Document Date</b>
<b>Revised (2)</b>		
00 01 10	Table of Contents	04-01-13
03 48 24	Precast Concrete Columbarium Units	04-01-13

# STANDARDS UPDATE

May 1, 2013

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## Equipment Information (PG-18-5) - <http://www.cfm.va.gov/TIL/equip.asp>

Document Title	File Name	Document Date
<b>Deleted (1)</b>		
Equipment Inspection Manual	equipInspManual.doc	08-1996

## Master Specifications (PG-18-1) - <http://www.cfm.va.gov/TIL/spec.asp>

Spec. No.	Specification Section Title	File Name	Document Date
<b>Revised (15)</b>			
00 01 10	Table of Contents	000110.doc	05-01-13
01 00 00	General Requirements	010000.doc	05-01-13
02 21 00	Site Surveys	022100.doc	05-01-13
02 65 00	Underground Storage Tank Removal	026500.doc	05-01-13
07 51 00	Built-Up Bituminous Roofing	075100.doc	05-01-13

## Master Specifications (PG-18-1) - <http://www.cfm.va.gov/TIL/spec.asp>

<b>Spec. No.</b>	<b>Specification Section Title</b>	<b>File Name</b>	<b>Document Date</b>
07 51 00.11	Built-Up Bituminous Roofing, Hot-Applied	07510011.doc	05-01-13
08 51 13.11	Side-Hinged Aluminum Windows	08511311.doc	05-01-13
09 94 19	Multicolor Interior Finishing	099419.doc	05-01-13
09 96 59	High-Build Glazed Coatings	099659.doc	05-01-13
22 13 29	Sanitary Sewerage Pumps	221329.doc	05-01-13
32 05 23	Cement and Concrete for Exterior Improvements	320523.doc	05-01-13
32 31 13	Chain Link Fences and Gates	323113.doc	05-01-13
32 31 53	Perimeter Security Fences and Gates	323153.doc	05-01-13
34 71 13	Vehicle Barriers	347113.doc	05-01-13
34 75 13.13	Active Vehicle Barriers	34751313.doc	05-01-13

# STANDARDS UPDATE

June 1, 2013

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## Master Specifications (PG-18-1) - <http://www.cfm.va.gov/TIL/spec.asp>

Spec. No.	Specification Section Title	File Name	Document Date
<b>Deleted (1)</b>			
31 08 00	Commissioning of Site Utility Systems	310800.doc	07-10
<b>New (1)</b>			
33 08 00	Commissioning of Site Utility Systems	330800.doc	06-01-13
<b>Revised (26)</b>			
00 01 10	Table of Contents	000110.doc	06-01-13
01 91 00	General Commissioning Requirements	099100.doc	06-01-13
04 72 00	Cast Stone Masonry	047200.doc	06-01-13
06 20 00	Finish Carpentry	062000.doc	06-01-13
07 08 00	Facility Exterior Closure Commissioning	070800.doc	06-01-13
07 52 16.13	Styrene-Butadiene-Styrene Modified Bituminous Membrane, Roofing, Cold Applied	07521613.doc	06-01-13

**Master Specifications (PG-18-1) - <http://www.cfm.va.gov/TIL/spec.asp>**

<b>Spec. No.</b>	<b>Specification Section Title</b>	<b>File Name</b>	<b>Document Date</b>
12 36 00	Countertops	123600.doc	06-01-13
21 08 00	Commissioning of Fire Suppression System	210800.doc	06-01-13
22 08 00	Commissioning of Plumbing Systems	220800.doc	06-01-13
23 08 00	Commissioning of HVAC	230800.doc	06-01-13
26 08 00	Commissioning of Electrical Systems	260800.doc	06-01-13
27 08 00	Commissioning of Communications Systems	270800.doc	06-01-13
27 11 00	Communications Equipment Room Fittings	271100.doc	06-01-13
27 15 00	Communications Horizontal Cabling	271500.doc	06-01-13
27 31 00	Voice Communications Switching and Routing Equipment	273100.doc	06-01-13
27 31 31	Voice Communications Switching and Routing Equipment - Extension	273131.doc	06-01-13
27 32 41	Two-Way Radio Equipment and Systems	273241.doc	06-01-13
27 41 31	Master Antenna Television Equipment and Systems	274131.doc	06-01-13
27 51 16	Public Address and Mass Notification Systems	275116.doc	06-01-13
27 51 23	Intercommunications and Program Systems	275123.doc	06-01-13
27 52 23	Nurse Call and Code Blue Systems	275223.doc	06-01-13
27 52 31	Security Emergency Call, Duress Alarm, and Telecommunications	275231.doc	06-01-13
28 08 00	Commissioning of Electronic Safety and Security Systems	280800.doc	06-01-13

## Master Specifications (PG-18-1) - <http://www.cfm.va.gov/TIL/spec.asp>

<b>Spec. No.</b>	<b>Specification Section Title</b>	<b>File Name</b>	<b>Document Date</b>
33 10 00	Water Utilities	331000.doc	06-01-13
33 30 00	Sanitary Sewerage Utilities	333000.doc	06-01-13
33 63 00	Steam Energy Distribution	336300.doc	06-01-13

## NCA Master Specifications - <http://www.cfm.va.gov/til/ncaSpec.asp>

<b>Spec. No.</b>	<b>Specification Section Title</b>	<b>Document Date</b>
<b>Revised (2)</b>		
00 01 10	Table of Contents	06-01-13
03 48 21	Precast Concrete Burial Crypts	06-01-13

## Special Requirements and Studies -

<http://www.cfm.va.gov/til/spclRqmts.asp#Cx>

<b>Title</b>	<b>File Name</b>	<b>Document Date</b>
<b>Revised (1)</b>		
Whole Building Commissioning Process Manual	CxManual.pdf	05-01-13

# STANDARDS UPDATE

July 1, 2013

Department of Veterans Affairs



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## Master Specifications (PG-18-1) - <http://www.cfm.va.gov/TIL/spec.asp>

Spec. No.	Specification Section Title	File Name	Document Date
<b>Revised (9)</b>			
00 01 10	Table of Contents	000110.doc	07-01-13
01 45 29	Testing Laboratory Services	014529.doc	07-01-13
07 51 00.13	Built-Up Bituminous Roofing, Cold Applied	07510013.doc	07-01-13
09 22 16	Non-Structural Metal Framing	092216.doc	07-01-13
09 65 16	Resilient Sheet Flooring	096516.doc	07-01-13
09 91 00	Painting	099100.doc	07-01-13
11 73 00	Ceiling Mounted Patient Lift System	117300.doc	07-01-13
22 11 00	Facility Water Distribution	221100.doc	07-01-13
26 05 19	Low-Voltage Electrical Power Conductors and Cables	260519.doc	07-01-13



# STANDARDS UPDATE

## August 1, 2013

Department of Veterans Affairs



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### A/E Design Submission Requirements (PG-18-15) -

<http://www.cfm.va.gov/contract/aeDesSubReq.asp>

Title	File Name	Document Date
<b>Revised (1)</b>		
Volume B – Major New Facilities, Major Additions, and Major Renovations	aesubmaj.pdf	08-01-13

### Design Alerts - <http://www.cfm.va.gov/TIL/alertDesign.asp>

Title	File Name	Document Date
<b>New (1)</b>		
DA 141- Water Disinfection Methods and <i>Legionella</i> Mitigation	dAlert141.pdf	08-01-13
<b>Revised (1)</b>		
Design Alert Index	dAlertIdx.pdf	08-01-13

## Design Guides (PG-18-12) - <http://www.cfm.va.gov/TIL/dGuide.asp>

Title	File Name	Document Date
<b>Modified (1)</b>		
Design Guide Index	dglIndex.pdf	08-01-13
<b>Deleted (4)</b>		
Tuberculosis – Section 1 – Foreword, Acknowledgments, Abbreviations, Legend of Symbols	dgtb01.pdf	04-1997
Tuberculosis – Section 2 – Narrative	dgtb02.pdf	04-1997
Tuberculosis – Section 3 – Patient Care Areas: Design Guide Plates, Design Standards	dgtb03.pdf	04-1997
Tuberculosis – Section 4 – Enclosures	dgtb04.pdf	04-1997

## Design Manuals (PG-18-10) - <http://www.cfm.va.gov/TIL/dManual.asp>

Title	File Name	Document Date
<b>Revised (2)</b>		
Design Manual Index	dmlIndex.pdf	08-01-13
Structural Design Manual for Seismic Retrofit Projects	dmSTseis.pdf	08-01-13

## Seismic Handbook (H-18-8) - <http://www.cfm.va.gov/til/seismic.asp>

Title	File Name	Document Date
<b>Revised (2)</b>		
VA Seismic Design Requirements	seismic.pdf	08-01-13
VA Seismic Zone Map	seismicmap.pdf	08-01-13

## Standards Alerts - <http://www.cfm.va.gov/til/alert.asp>

Title	File Name	Document Date
<b>New (2)</b>		
SA-006 – Energy Efficient Design of Major Renovations	sAlert0006.pdf	08-01-13
SA-007 - Lifecycle Cost-Effective Renewable Energy	sAlert0007.pdf	08-01-13
<b>Revised (1)</b>		
Standards Alert Index	sAlertIdx.pdf	08-01-13

# STANDARDS UPDATE

## September 1, 2013

Department of Veterans Affairs



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### Design & Construction Procedures (PG-18-3) -

<http://www.cfm.va.gov/TIL/cPro.asp>

Title	File Name	Document Date
<b>New (1)</b>		
Topic 18 – Transportation and Logistics Delivery	cpTop18.pdf	09-01-13
<b>Revised (2)</b>		
Topic 1 - Codes, Standards and Executive Orders	cpTop01.pdf	09-01-13
Table of Contents	cpTOC.pdf	09-01-13

### Master Specifications (PG-18-1) - <http://www.cfm.va.gov/TIL/spec.asp>

Spec. No.	Specification Section Title	File Name	Document Date
<b>Revised (3)</b>			
00 01 10	Table of Contents	000110.doc	09-01-13
01 00 00	General Requirements	010000.doc	09-01-13

**Master Specifications (PG-18-1) - <http://www.cfm.va.gov/TIL/spec.asp>**

<b>Spec. No.</b>	<b>Specification Section Title</b>	<b>File Name</b>	<b>Document Date</b>
01 74 19	Construction Waste Management	017419.doc	09-01-13

# STANDARDS UPDATE

October 1, 2013

Department of Veterans Affairs



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## Design Manuals (PG-18-10) - <http://www.cfm.va.gov/til/dManual.asp>

Document Title	File Name	Date
<b>Revised (2)</b>		
Structural Design Manual for Parking Structure Projects	dmSTpark.pdf	10-01-2013
Design Manual Index	dmlIndex.pdf	10-01-2013

## Master Specifications (PG-18-1) - <http://www.cfm.va.gov/TIL/spec.asp>

Spec. No.	Specification Section Title	File Name	Document Date
<b>Revised (4)</b>			
00 01 10	Table of Contents	000110.doc	10-01-13
01 00 00	General Requirements	010000.doc	10-01-13
08 34 53	Security Doors and Frames	083453.doc	10-01-13
08 51 13.11	Side-Hinged Aluminum Windows	08511311.doc	10-01-13

## VA Signage Design Guide - <http://www.cfm.va.gov/til/spclRqmts.asp#SIGN>

<b>Section Title</b>	<b>File Name</b>	<b>Date</b>
<b>Revised (1)</b>		
08-Code and Life Safety Signs	Signage08-CodeLS.pdf	12-2012 revised 10-2013

# STANDARDS UPDATE

November 1, 2013

Department of Veterans Affairs



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## Commissioning Manual - <http://www.cfm.va.gov/TIL/spclRqmts.asp#Cx>

Title	File Name	Document Date
<b>Revised (4)</b>		
Whole Building Commissioning Process Manual	CxManual.pdf	05-01-2013 minor revisions 11-01-13
Appendix D – Sample Design Narrative Table of Contents	AppendixD-SampleDesignNarrativeTOC.docx	11-01-13
Appendix F – Sample Commissioning Plan	AppendixF-SampleCxPlan.docx	11-01-13
Appendix F – Sample Documentation Log	AppendixF-SampleDocumentationLog.xlsx	11-01-13



## Master Specifications (PG-18-1) - <http://www.cfm.va.gov/TIL/spec.asp>

<b>Spec. No.</b>	<b>Specification Section Title</b>	<b>File Name</b>	<b>Document Date</b>
<b>Revised (2)</b>			
00 01 10	Table of Contents	000110.doc	11-01-13
07 60 00	Flashing and Sheet Metal	076000.doc	11-01-13

# STANDARDS UPDATE

December 1, 2013

Department of Veterans Affairs



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## Master Specifications (PG-18-1) - <http://www.cfm.va.gov/TIL/spec.asp>

Spec. No.	Specification Section Title	File Name	Document Date
<b>Revised (8)</b>			
00 01 10	Table of Contents	000110.doc	12-01-13
01 32 16.13	Network Analysis Schedules	01321613.doc	12-01-13
07 60 00	Flashing and Sheet Metal	076000.doc	12-01-13
08 71 00	Door Hardware	087100.doc	12-01-13
08 71 13.11	Low Energy Power Assist Door Operators	08711311.doc	12-01-13
09 51 00	Acoustical Ceilings	095100.doc	12-01-13
09 67 23.50	Resinous (Epoxy Terrazzo) Flooring (RES-5)	09672350.doc	12-01-13
13 05 41	Seismic Restraint Requirements for Non-Structural Components	130541.doc	12-01-13