



U.S. Department  
of Veterans Affairs

Office of Acquisition, Logistics, and Construction  
Office of Construction and Facilities Management  
Office of Facilities Planning  
Facilities Standards Service

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# Monthly Standards Update

**November 1, 2016 revised 11/10/2016**

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

**New (1)**

Number	Title	File Name	Document Date
003C2B-SA-012	ASHRAE 90.1-2013 Adopted by VA	sAlert012.pdf	10-12-16

**Revised (1)**

Title	File Name	Document Date
Standards Alert Sequential Index	sAlertIdx.pdf	10-12-16

**BIM Standard** <http://www.cfm.va.gov/til/projReq.asp>

**New (14)**

Title	File Name	Document Date
BIM Manual v2.0	BIM-Manual.pdf	11-10-2016
BIM Manual Appendix 1 – Room Data Sheet Example	BIM-Manual-Append1.pdf	11-10-2016
BIM Manual Appendix 2 – Maintaining Coding for 2D PRC	BIM-Manual-Append2.pdf	11-10-2016
BIM Manual Appendix 3 – VA Spatial and Equipment Data	BIM-Manual-Append3.xlsx	11-10-2016
BIM Manual Appendix 4 – Interior Partitions, Fire-Rated Partitions, and Smoke Barriers	BIM-Manual-Append4.pdf	11-10-2016
BIM Manual Appendix 5 – Instructions for Geo-Referencing	BIM-Manual-Append5.pdf	11-10-2016
Drawing Deliverable Requirements (DDR) v1.0	DwgDelivRqmts.pdf	11-10-2016
DDR Appendix A – VA Sheet Identification	DwgDelivRqmts-AppendA.xlsx	11-10-2016
DDR Appendix B – VA Sheet Example	DwgDelivRqmts-AppendB.pdf	11-10-2016

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Title	File Name	Document Date
DDR Appendix C – VA BIM/CAD Folder/Filing Structure	DwgDelivRqmts-AppendC.pdf	11-10-2016
Drawing Sheet Templates (.dwg, .rfa, .txt files)	DwgSheetTemplates.zip	11-10-2016
VA FM Data (data requirements for Facility Management)	VA-FM-Data.xlsx	11-10-2016
VA CAD Legacy Layer List	VALegacyLayerList.xlsx	11-10-2016
VA National CAD Standard CTB Table	NCS-CTBTable.xlsx	11-10-2016

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

Revised (3)

Title	File Name	Document Date
Parking Design Manual & Demand Model	dmParking.pdf	04-01-2013 Rev 11-01-2016
Design Manual Index	dglIndex.pdf	11-01-16

## Master Construction Specifications <http://www.cfm.va.gov/til/spec.asp>

Revised (9)

Spec No.	Specification Section Title	File Name	Document Date
00 01 10	Table of Contents	000110.docx	11-01-16
07 08 00	Facility Exterior Closure Commissioning	070800.docx	11-01-16
21 08 00	Commissioning of Fire Suppression System	210800.docx	11-01-16
22 08 00	Commissioning of Plumbing Systems	220800.docx	11-01-16
23 08 00	Commissioning of HVAC Systems	230800.docx	11-01-16
26 08 00	Commissioning of Electrical Systems	260800.docx	11-01-16
27 08 00	Commissioning of Communications Systems	270800.docx	11-01-16
28 08 00	Commissioning of Electronic Safety and Security Systems	280800.docx	11-01-16
33 08 00	Commissioning of Site Utility Systems	330800.docx	11-01-16

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## National Cemetery Administration Design

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

Revised (1)

Title	File Name	Document Date
NCA Facilities Design Guide, Section 5 Design Criteria	NCADesignCriteria.pdf	11-2016

## National Cemetery Administration Master Construction

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

Deleted (12)

Spec No.	NCA Specification Section Title	Document Date
22 35 00	Domestic Water Heat Exchangers	05-2010
27 05 11	Requirements for Communications Installations	05-2010
28 05 11	Requirements for Electronic Safety and Security Installations <i>(merged into 27 05 00)</i>	05-2010
28 05 13	Conductors and Cables for Electronic Safety and Security <i>(merged into 27 11 00)</i>	05-2010
28 05 26	Grounding and Bonding for Electronic Safety and Security <i>(merged into 27 05 26)</i>	05-2010
28 05 33	Raceways and Boxes for Electronic Safety and Security <i>(merged into 27 05 26)</i>	05-2010
28 16 11	Intrusion Detection System <i>(becomes 28 31 00)</i>	05-2010
28 23 00	Video Surveillance <i>(becomes 28 20 00)</i>	05-2010
28 31 00	Fire Detection and Alarm <i>(becomes 28 46 00)</i>	05-2010
32 30 00	Site Furnishings <i>(becomes 32 33 00)</i>	05-2010
32 31 00	Ornamental Fence <i>(becomes 32 31 19)</i>	12-2011
33 46 13	Foundation Drainage <i>(becomes 33 41 13)</i>	05-2010

New (9)

Spec No.	NCA Specification Section Title	Document Date
25 10 10	Advanced Utility Metering System	11-01-16
27 05 00	Common Work Results for Communications	11-01-16
28 20 00	Video Surveillance <i>(formerly 28 23 00)</i>	11-01-16

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Spec No.	NCA Specification Section Title	Document Date
28 31 00	Intrusion Detection <i>(formerly 28 16 11)</i>	11-01-16
28 46 00	Fire Detection and Alarm <i>(formerly 28 31 00)</i>	11-01-16
32 31 19	Decorative Metal Fences and Gates <i>(formerly 32 31 19)</i>	11-01-16
32 33 00	Site Furnishings <i>(formerly 32 30 00)</i>	11-01-16
33 40 00	Storm Sewer Utilities	11-01-16
33 41 13	Foundation Drainage <i>(formerly 33 46 13)</i>	11-01-16

**Revised (70)**

Spec No.	NCA Specification Section Title	Document Date
00 01 10	Table of Contents	11-01-16
22 05 11	Common Work Results for Plumbing	11-01-16
22 05 12	General Motor Requirements for Plumbing Equipment	11-01-16
22 05 19	Meters and Gages for Plumbing Piping	11-01-16
22 05 23	General-Duty Valves for Plumbing Piping	11-01-16
22 05 33	Heat Tracing for Plumbing Piping	11-01-16
22 11 00	Facility Water Distribution	11-01-16
22 11 23	Domestic Water Pumps	11-01-16
22 12 16	Facility Elevated, Potable-Water Storage Tanks	11-01-16
22 13 00	Facility Sanitary Sewerage	11-01-16
22 13 23	Sanitary Waste Interceptors	11-01-16
22 13 29	Sanitary Sewerage Pumps	11-01-16
22 13 36	Packaged, Wastewater Pump Units	11-01-16
22 14 00	Facility Storm Drainage	11-01-16
22 14 29	Sump Pumps	11-01-16
22 14 33	Packaged, Pedestal Drainage Pump Units	11-01-16
22 14 36	Packaged, Submersible, Drainage Pump Units	11-01-16
22 15 00	General Service Compressed-Air Systems	11-01-16
22 31 11	Water Softeners	11-01-16
22 33 00	Electric Domestic Water Heaters	11-01-16
22 34 00	Fuel-Fired Domestic Water Heaters	11-01-16
22 40 00	Plumbing Fixtures	11-01-16

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Spec No.	NCA Specification Section Title	Document Date
23 05 11	Common Work Results for HVAC	11-01-16
23 05 12	General Motor Requirements for HVAC Equipment	11-01-16
23 05 41	Noise and Vibration Control for HVAC Piping and Equipment	11-01-16
23 05 93	Testing, Adjusting, and Balancing for HVAC	11-01-16
23 07 11	HVAC Insulation	11-01-16
23 09 23	Direct-Digital Control System for HVAC	11-01-16
23 11 23	Facility Natural-Gas Piping	11-01-16
23 21 13	Hydronic Piping	11-01-16
23 21 14	Ground Loop Heat Pump Piping	11-01-16
23 23 00	Refrigerant Piping	11-01-16
23 31 00	HVAC Ducts and Casings	11-01-16
23 34 00	HVAC Fans	11-01-16
23 36 00	Air Terminal Units	11-01-16
23 37 00	Air Outlets and Inlets	11-01-16
23 40 00	HVAC Air Cleaning Devices	11-01-16
23 55 23	Gas-Fired Radiant Heaters	11-01-16
23 55 33	Fuel-Fired Unit Heaters	11-01-16
23 81 00	Unitary HVAC Equipment	11-01-16
23 81 43	Air-Source Unitary Heat Pumps	11-01-16
23 81 46	Water-Source Unitary Heat Pumps	11-01-16
23 82 16	Air Coils	11-01-16
23 82 33	Convectors	11-01-16
23 82 39	Unit Heaters	11-01-16
23 83 23	Radiant-Heating Electric Panels	11-01-16
27 05 26	Grounding and Bonding for Communications Systems	11-01-16
27 05 33	Conduits and Backboxes for Communications Systems	11-01-16
27 10 00	Structured Cabling	11-01-16
27 11 00	Communications Equipment Room Fittings	11-01-16
27 51 23	Intercommunication and Program Systems	11-01-16
28 10 00	Access Control	11-01-16

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Spec No.	NCA Specification Section Title	Document Date
31 20 00	Earth Moving	11-01-16
31 20 11	Earth Moving (Short Form)	11-01-16
31 23 19	Dewatering	11-01-16
31 23 23.33	Flowable Fill	11-01-16
31 32 23	Pressure Grouting Soil Stabilization	11-01-16
31 62 00	Driven Piles	11-01-16
31 63 16	Auger Cast Grout Piles	11-01-16
31 63 26	Drilled Caissons	11-01-16
32 05 23	Cement and Concrete for Exterior Improvements	11-01-16
32 12 16	Asphalt Paving	11-01-16
32 14 16	Brick Unit Paving	11-01-16
32 17 23	Pavement Markings	11-01-16
32 31 13	Chain Link Fences and Gates	11-01-16
32 84 00	Planting Irrigation	11-01-16
32 90 00	Planting	11-01-16
33 10 00	Water Utilities	11-01-16
33 30 00	Sanitary Sewerage Utilities	11-01-16
33 51 00	Natural-Gas Distribution	11-01-16

## Seismic Design Information <http://www.cfm.va.gov/TIL/seismic.asp>

**Revised (1)**

Specification Section Title	File Name	Document Date
VA Seismic Zone Map	SeismicMap.pdf	11-01-16

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

Revised (2)

Chapter	Title	File Name	Document Date
286	Surgical and Endovascular Services ( <i>revised name</i> )	spChapter286.pdf	11-01-2016
N/A	Space Planning Criteria Index	spclIndex.pdf	11-01-2016