



U.S. Department
of Veterans Affairs

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

Technical Information Library - www.cfm.va.gov/til

Monthly Standards Update

January 1, 2023

A/E Submissions & Review <https://www.cfm.va.gov/til/aeDesSubReq.asp>

Revised (2)

Title	File Name	Document Date
Project Book Deliverables	ProjBookDeliverables.xlsx	01-01-2023
PG 18-15 Volume B, A/E Submission Instructions for Major New Facilities, Major Additions, and Major Renovations	aeSubMaj.xlsx	01-01-2023

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

Revised (4)

Title	File Name	Document Date
Automated Transport Systems – Elevator Design Manual	dmElev.pdf	01-01-2023
HVAC Design Manual	dmHVAC.pdf	01-01-2023
Plumbing Design Manual	dmPlbg.pdf	01-01-2023
Design Manual Index	dmIndex.pdf	01-01-2023

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

Revised (3)

Section	Title	File Name	Document Date
00 01 10	Table of Contents	000110.docx	01-01-2023
22 05 11	Common Work Results	220511.docx	01-01-2023



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February 1, 2023

Design Guides <https://www.cfm.va.gov/til/dGuide.asp>

Revised (2)

Title	File Name	Document Date
Surgical and Endovascular Design Guide	dgSurg.pdf	02-01-2023
Design Guide Index	dgIndex.pdf	02-01-2023

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

Revised (5)

Section	Title	File Name	Document Date
00 01 10	Table of Contents	000110.docx	02-01-2023
01 33 23	Shop Drawings, Product Data, and Samples	013323.docx	02-01-2023
23 52 28	Low-Pressure Steam Boilers	235228.docx	02-01-2023
23 52 33	Water Tube Boilers	235233.docx	02-01-2023
23 52 39	Fire Tube Boilers	235239.docx	02-01-2023

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

Revised (2)

Chapter	Title	File Name	Document Date
286	Surgical/Endovascular Service	spChapter286.pdf	02-01-2023
	Space Planning Criteria Index	spcIndex.pdf	02-01-2023

Standard Details <https://www.cfm.va.gov/til/sDetail.asp>

Revised (1)

Title	File Name	Document Date
Chemical Feed System – Pumped Type	SD235011-02.pdf	02-01-2023



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March 1, 2023

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Revised (35)

Section	Title	File Name	Document Date
00 01 10	Table of Contents	000110.docx	03-01-2023
23 05 11	Common Work Results for HVAC	230511.docx	03-01-2023
23 05 12	General Motor Requirements for HVAC and Steam Generation Equipment	230512.docx	03-01-2023
23 05 41	Noise and Vibration Control for HVAC Piping and Equipment	230541.docx	03-01-2023
23 05 93	Testing, Adjusting, and Balancing for HVAC	230593.docx	03-01-2023
23 08 00	Commissioning of HVAC Systems	230800.docx	03-01-2023
23 09 23	Direct-Digital Control System for HVAC	230923.docx	03-01-2023
23 21 13	Hydronic Piping	232113.docx	03-01-2023
23 21 23	Hydronic Pumps	232123.docx	03-01-2023
23 23 00	Refrigerant Piping	232300.docx	03-01-2023
23 25 00	HVAC Water Treatment	232500.docx	03-01-2023
23 31 00	HVAC Ducts and Casings	233100.docx	03-01-2023
23 34 00	HVAC Fans	233400.docx	03-01-2023
23 36 00	Air Terminal Units	233600.docx	03-01-2023
23 37 00	Air Outlets and Inlets	233700.docx	03-01-2023
23 38 13	Commercial-Kitchen Hoods	233813.docx	03-01-2023
23 40 00	HVAC Air Cleaning Devices	234000.docx	03-01-2023

Section	Title	File Name	Document Date
23 52 28	Low-Pressure Steam Boilers	235228.docx	03-01-2023
23 52 33	Water Tube Boilers	235233.docx	03-01-2023
23 52 39	Fire Tube Boilers	235239.docx	03-01-2023
23 56 00	Solar Energy Heating Systems	235600.docx	03-01-2023
23 57 33	Geothermal Energy - Direct Use	235733.docx	03-01-2023
23 64 00	Packaged Water Chillers	236400.docx	03-01-2023
23 65 00	Cooling Towers	236500.docx	03-01-2023
23 72 00	Air-to-Air Energy Recovery Equipment	237200.docx	03-01-2023
23 73 00	Indoor Central-Station Air-Handling Units	237300.docx	03-01-2023
23 74 13	Packaged, Outdoor, Central-Station Air-Handling Units	237413.docx	03-01-2023
23 81 00	Decentralized Unitary HVAC Equipment	238100.docx	03-01-2023
23 81 23	Computer-Room Air-Conditioners	238123.docx	03-01-2023
23 81 43	Air-Source Unitary Heat Pumps	238143.docx	03-01-2023
23 81 46	Water-Source Unitary Heat Pumps	238146.docx	03-01-2023
23 81 49	Ground-Source Heat Pumps	238149.docx	03-01-2023
23 82 00	Convection Heating and Cooling Units	238200.docx	03-01-2023
23 82 16	Air Coils	238216.docx	03-01-2023
23 84 00	Humidity Control Equipment	238400.docx	03-01-2023

Standard Details <https://www.cfm.va.gov/til/sDetail.asp>

New (9)

Title	File Name	Document Date
Fire Extinguisher Cabinet (FEC)	SD104413-01.pdf	03-01-2023
Semi-Recessed Pendent Quick-Response Sprinkler (QRS)	SD211313-01.pdf	03-01-2023
Audiology Booth Sprinkler Detail	SD211313-02.pdf	03-01-2023
Dry Sprinkler Installation	SD211316-01.pdf	03-01-2023
Duct Smoke Detector	SD233100-31.pdf	03-01-2023

Title	File Name	Document Date
Smoke Detector/Air Diffuser Minimum Distance	SD233100-32.pdf	03-01-2023
Typical Smoke Detector Mounting Detail	SD233100-33.pdf	03-01-2023
Cable Tray Transition at Smoke and Fire-Rated Walls	SD260533-06.pdf	03-01-2023
Fire Alarm Devices	SD283100-01.pdf	03-01-2023

Revised (2)

Title	File Name	Document Date
Stair Guard and Handrail Details	SD055100-01.pdf	03-01-2023
Conduit/Pipe Penetration of Smoke Barrier Wall	SD078400-01.pdf	03-01-2023



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April 1, 2023

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New (5)

Section	Title	File Name	Document Date
01 81 13.03	Sustainability Certification Requirements – LEED V4 BD+C: Healthcare	01811303.docx	04-01-2023
01 81 13.12	Sustainability Certification Requirements – LEED V4.1 BD+C: New Construction and Major Renovation	01811312.docx	04-01-2023
01 81 13.13	Sustainability Certification Requirements – LEED V4.1: Healthcare	01811313.docx	04-01-2023
01 81 13.14	Sustainability Certification Requirements – LEED V4.1 BD+C: Data Centers	01811314.docx	04-01-2023
01 81 13.15	Sustainability Certification Requirements – LEED V4.1 BD+C: Warehouses and Distribution Centers	01811315.docx	04-01-2023

Revised (6)

Section	Title	File Name	Document Date
00 01 10	Table of Contents	000110.docx	04-01-2023
01 81 13.02	Sustainability Certification Requirements – LEED V4 BD+C: New Construction and Major Renovation	01811302.docx	04-01-2023
23 05 10	Common Work Results for Boiler Plant and Steam Generation	230510.docx	04-01-2023
23 09 11	Instrumentation and Control for Boiler Plant	230911.docx	04-01-2023
23 21 11	Boiler Plant Piping Systems	232111.docx	04-01-2023
23 22 13	Steam and Condensate Heating Piping	232213.docx	04-01-2023

NCA Master Construction Specifications <https://www.cfm.va.gov/til/NCAspec.asp>

New (1)

Section	Title	Document Date
01 81 13.11	Sustainability Certification Requirements – LEED V4.1 BD+C: New Construction and Major Renovation	04-01-2023

Revised (20)

Section	Title	Document Date
00 01 10	Table of Contents	04-01-2023
26 05 11	Requirements for Electrical Installations	04-01-2023
26 05 19	Low-Voltage Electrical Power Conductors and Cables	04-01-2023
26 05 26	Grounding and Bonding for Electrical Systems	04-01-2023
26 05 33	Raceway and Boxes for Electrical Systems	04-01-2023
26 05 41	Underground Electrical Construction	04-01-2023
26 05 73	Overcurrent Protective Device Coordination Study	04-01-2023
26 08 00	Commissioning of Electrical Systems	04-01-2023
26 22 00	Low-Voltage Transformers	04-01-2023
26 24 13	Distribution Switchboards	04-01-2023
26 24 16	Panelboards	04-01-2023
26 27 26	Wiring Devices	04-01-2023
26 29 11	Motor Controllers	04-01-2023
26 29 21	Enclosed Switches and Circuit Breakers	04-01-2023
26 30 05	Solar Energy Electrical Power Generation System	04-01-2023
26 32 13	Engine Generators	04-01-2023
26 36 23	Automatic Transfer Switches	04-01-2023
26 41 00	Facility Lightning Protection	04-01-2023
26 51 00	Interior Lighting	04-01-2023
26 56 00	Exterior Lighting	04-01-2023

Standards Alerts <https://www.cfm.va.gov/ti/Alert.asp>

New (1)

Number	Title	File Name	Document Date
003C2B-SA-020	Energy Efficient Design Criteria Update	sAlert020.pdf	04-01-2023

Revised (1)

Title	File Name	Document Date
Standards Alert Index	sAlertIdx.pdf	04-01-2023



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Design Guides <https://www.cfm.va.gov/til/dGuide.asp>

Revised (2)

Title	File Name	Document Date
Imaging Services Design Guide	dgImaging.pdf	05-01-2023
Design Guide Index	dgIndex.pdf	05-01-2023

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

Revised (7)

Title	File Name	Doc Date
AT – Automatic Guide Vehicles (AGV) and Automated Mobile Robots (AMR) System Design Manual	dmAT-AGV-AMR.pdf	05-01-2023
AT – Dumbwaiter and Cartlift Design Manual	dmCartlift.pdf	05-01-2023
AT – Elevator Design Manual	dmElev.pdf	05-01-2023
AT – Material and Solid Waste Management, Linen and Trash Chutes Design Manual	dmSWM.pdf	05-01-2023
AT – Pneumatic Tube System Design Manual	dmPTS.pdf	05-01-2023
HVAC Design Manual	dmHVAC.pdf	05-01-2023
Design Manual Index	dmIndex.pdf	05-01-2023

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Section	Title	File Name	Document Date
00 01 10	Table of Contents	000110.docx	05-01-2023
10 25 13	Patient Bed Service Walls	102513.docx	05-01-2023
22 61 13.74	Dental Compressed-Air Piping	22611374.docx	05-01-2023
22 62 00	Vacuum Systems for Laboratory and Healthcare Facilities	226200.docx	05-01-2023
22 63 00	Gas Systems for Lab and Healthcare Facilities	226300.docx	05-01-2023
23 52 33	Water Tube Boilers	235233.docx	05-01-2023



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June 1, 2023

Design Guides <https://www.cfm.va.gov/til/dGuide.asp>

Revised (7)

Title	File Name	Doc Date
OIT – Infrastructure Standard for Telecommunications Spaces (ISTS) v4.0	OIT-InfrastrucStdTelecomSpaces-v4-0.pdf	06-01-2023
OIT – ISTS v4.0 – Appendix A – Request for Variance	OIT-InfrastrucStdTelecomSpaces-AppxA.pdf	06-01-2023
OIT – ISTS v4.0 – Appendix B – Design Guide Templates	OIT-InfrastrucStdTelecomSpaces-AppxB.pdf	06-01-2023
Surgical and Endovascular Services Design Guide – Appendix A	dgSurgAppendixA.pdf	06-01-2023
Surgical and Endovascular Services Design Guide – Appendix B	dgSurgAppendixB.pdf	06-01-2023
Surgical and Endovascular Services Design Guide – Appendix C	dgSurgAppendixC.pdf	06-01-2023
Design Guide Index	dgIndex.pdf	06-01-2023

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

Revised (2)

Title	File Name	Doc Date
Physical Security and Resiliency Design Manual	dmPhySec.pdf	06-01-2023
Design Manual Index	dmlIndex.pdf	06-01-2023

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Revised (2)

Section	Title	File Name	Document Date
00 01 10	Table of Contents	000110.docx	06-01-2023
23 22 13	Steam and Condensate Heating Piping	232213.docx	06-01-2023