



Title: YALE OFFICE OF FACILITIES PROCEDURE MANUAL
 Chapter: 01—Yale Design Standard
 Table of Contents

Section: 01-33

Date: January 2026

Author: Office of Facilities,
 University Architect

Division	Section	Title	Document Date
01 00 00 General Requirements	01060	General Regulatory and Directive Standards	2025-06
01 00 00 General Requirements	01 21 00	Allowances	2025-06
01 00 00 General Requirements	01 25 00	Substitution Procedures	2025-06
01 00 00 General Requirements	01 26 00	Contract Modification Procedures	2025-06
01 00 00 General Requirements	01 31 00	Project Management and Coordination	2025-06
01 00 00 General Requirements	01 32 00	Construction Progress Documentation	2025-06
01 00 00 General Requirements	01330	Designer Submittals	2005-04
01 00 00 General Requirements	01350	Special Project Procedures	2005-04
01 00 00 General Requirements	01 35 53	Security Procedures	2019-07
01 00 00 General Requirements	01 35 63	Sustainable Design Requirements	2025-06
01 00 00 General Requirements	01 45 00	Contractor Quality Control	2025-06
01 00 00 General Requirements	01 45 29	Testing Laboratory Services	2025-06
01 00 00 General Requirements	01 50 00	Temporary Facilities & Controls	2025-06
01 00 00 General Requirements	01 56 40	Tree Protection and Preservation	2021-08
01 00 00 General Requirements	01 60 00	Product Requirements	2025-06
01 00 00 General Requirements	01 73 00	Execution	2025-06
01 00 00 General Requirements	01 74 19	Construction Waste Management	2025-06
01 00 00 General Requirements	01 77 00	Closeout Procedures	2025-10
01 00 00 General Requirements	01 78 23	Project Documentation Turnover Guidelines	2026-01
01 00 00 General Requirements	01 78 23	Operations and Maintenance	2025-10
01 00 00 General Requirements	01 78 23 Attachment 1	Project Documentation Turnover Guidelines	2026-01
01 00 00 General Requirements	01 79 00	Demonstration and Training	2025-10
01 00 00 General Requirements	01 81 19	Construction IAQ Require	2025-06
01 00 00 General Requirements	01 83 00	Facility Shell Performance – Bird Collisions	2024-03
01 00 00 General Requirements	01 91 00	General Commissioning Requirements	2025-01
02 00 00 Site Construction	02 71 30	Water Distribution	2024-03
02 00 00 Site Construction	02 71 40	Chilled Water Distribution	2024-03
02 00 00 Site Construction	02 71 50	Steam Distribution	2024-03
02 00 00 Site Construction	02 72 10	Storm Sewerage Systems	2024-03
02 00 00 Site Construction	02 72 20	Sanitary Sewerage Systems	2024-03
02 00 00 Site Construction	02 72 50	Irrigation Systems	2024-03
03 00 00 Concrete	03 00 00	Concrete	2025-10
04 00 00 Masonry	04 00 00	Unit Masonry	2024-03
04 00 00 Masonry	04 01 20	Masonry Restoration and Cleaning	2024-03
06 00 00 Woods, Plastics, and Composites	06 10 00	Rough Carpentry	2019-12
06 00 00 Woods, Plastics, and Composites	06 20 00	Finish Carpentry	2024-03
06 00 00 Woods, Plastics,	06 40 00	Architectural Woodwork	2024-03



Title: YALE OFFICE OF FACILITIES PROCEDURE MANUAL
 Chapter: 01—Yale Design Standard
 Table of Contents

Section: 01-33

Date: January 2026

Author: Office of Facilities,
 University Architect

Division	Section	Title	Document Date
and Composites			
07 00 00 Thermal and Moisture Protection	07 00 00	Thermal and Moisture Protection	2024-03
07 00 00 Thermal and Moisture Protection	07 21 00	Thermal Insulation	2024-03
07 00 00 Thermal and Moisture Protection	07 30 00	Steep Slope Roofing	2024-03
07 00 00 Thermal and Moisture Protection	07 50 00	Membrane Roofing	2024-03
07 00 00 Thermal and Moisture Protection	07 53 00	Elastomeric Membrane Roofing	2024-03
07 60 00 Thermal and Moisture Protection	07 60 00	Flashing and Sheet Metal	2024-03
07 00 00 Thermal and Moisture Protection	07 81 00	Applied Fireproofing	2024-03
07 00 00 Thermal and Moisture Protection	07 84 00	Firestopping	2024-03
07 00 00 Thermal and Moisture Protection	07 90 00	Joint Protection	2024-03
08 00 00 Openings	08 10 00	Steel Doors and Frames	2024-03
08 00 00 Openings	08 20 00	Wood Doors	2024-03
08 00 00 Openings	08 31 00	Security Access Doors and Frames	2019-07
08 00 00 Openings	08 50 00	Metal Windows	2024-03
08 00 00 Openings	08 60 00	Wood Windows	2024-03
08 00 00 Openings	08 70 00	Finish Hardware	2024-03
08 00 00 Openings	08 80 00	Glass and Glazing	2024-03
09 00 00 Finishes	09 25 00	Gypsum Drywall	2024-03
09 00 00 Finishes	09 51 00	Acoustical Ceilings	2024-03
09 00 00 Finishes	09 65 00	Resilient Flooring	2024-03
09 00 00 Finishes	09 67 00	Wall Finishes	2024-03
09 00 00 Finishes	09 68 00	Carpet	2024-03
09 00 00 Finishes	09 90 00	Paint	2024-03
10 00 00 Specialties	10 14 00	Signage	2025-06
10 00 00 Specialties	10 21 13	Toilet Compartments	2025-06
10 00 00 Specialties	10 28 00	Toilet, Bath and Laundry Accessories	2025-06
10 00 00 Specialties	10 44 13	Fire Protection Cabinets	2019-04
11 00 00 Equipment	11 61 00	Laboratory Fume Hoods	2024-03
12 00 00 Furnishings	12 30 00	Casework	2019-07
12 00 00 Furnishings	12 24 50	Laboratory Casework	2025-06
12 00 00 Furnishings	12 50 00	Furniture	2019-07
12 00 00 Furnishings	12 50 00	Window Treatments	2024-03



Title: YALE OFFICE OF FACILITIES PROCEDURE MANUAL
 Chapter: 01—Yale Design Standard
 Table of Contents

Section: 01-33

Date: January 2026

Author: Office of Facilities,
 University Architect

Division	Section	Title	Document Date
13 00 00 Special Construction	13 91 50	Fire Suppression	2024-03
13 00 00 Special Construction	13 21 00	Controlled Environment Rooms	2022-09
14 00 00 Conveying Equipment	14 00 00	Conveying Equipment	2019-07
21 00 00 Fire Protection	21 00 00	Fire Protection	2019-01
22 00 00 Plumbing	22 05 10	Plumbing General Requirements	2017-08
22 00 00 Plumbing	22 05 20	Plumbing Specialties	2017-08
22 00 00 Plumbing	22 11 23	Domestic Water Circulation Pumps	2017-08
22 00 00 Plumbing	22 11 2313	Domestic Water Pressure Booster System	2017-08
22 00 00 Plumbing	22 13 29	Sanitary Storm and Sewage Pumps	2017-08
22 00 00 Plumbing	22 33 00	Electric Domestic Water Heaters	2024-09
22 00 00 Plumbing	22 35 13	DHW Generators	2017-08
22 00 00 Plumbing	22 40 00	Plumbing Fixtures and Trim	2017-08
22 00 00 Plumbing	22 61 1910	Laboratory Compressed Air Piping Specialties	2017-08
22 00 00 Plumbing	22 62 19	Laboratory Vacuum Piping Specialties	2017-08
22 00 00 Plumbing	22 63 1310	Laboratory Gas Piping Specialties	2017-08
23 00 00 HVAC	23 05 12	Bearing Protection Ring for Motors	2021-12
23 00 00 HVAC	23 05 13	Motors Requirements for Mechanical Equipment	2021-12
23 00 00 HVAC	23 05 23	General Duty Valves for Mechanical Systems	2025-01
23 00 00 HVAC	23 05 23 01	Valve Service Index	2025-01
23 00 00 HVAC	23 05 53	Identification for Mechanical Systems	2016-06
23 00 00 HVAC	23 05 93	Testing, Adjusting & Balancing for HVAC	2025-01
23 00 00 HVAC	23 07 00	HVAC Insulation	2016-06
23 00 00 HVAC	23 07 19	Building HVAC Insulation	2024-09
23 00 00 HVAC	23 07 20	Utility Systems Insulation	2024-09
23 00 00 HVAC	23 21 13	Piping Hydronic, Steam Condensate, Welding Requirements	2021-12
23 00 00 HVAC	23 21 1600	Piping Components and Specialties	2016-06
23 00 00 HVAC	23 21 1601	Piping Specialties Index	2016-06
23 00 00 HVAC	23 21 1602	Strainers	2016-06
23 00 00 HVAC	23 21 23	Hydronic Pumps	2021-12
23 00 00 HVAC	23 22 1601	Steam Pressure Reducing Stations	2021-12
23 00 00 HVAC	23 22 1602	Steam Traps	2021-12
23 00 00 HVAC	23 22 23	Steam Condensate Pumps	2016-06
00 00 23 HVAC	23 34 00	Fans	2016-06
00 00 23 HVAC	23 36 00	Air Terminal Units, Lab and Non-Lab Applications, Equipment Requirements	2025-06
23 00 00 HVAC	23 57 00	Hydronic and Steam Heat Exchanger	2021-12
23 00 00 HVAC	23 72 00	Air-to-Air Energy Recovery Equipment	2023-11
23 00 00 HVAC	23 73 33	Dedicated Outdoor Air Systems	2023-11




Title: YALE OFFICE OF FACILITIES PROCEDURE MANUAL
 Chapter: 01—Yale Design Standard
 Table of Contents

Section: 01-33

Date: January 2026

Author: Office of Facilities,
 University Architect

Division	Section	Title	Document Date
23 00 00 HVAC	23 75 00	Air Handling Equipment	2016-06
23 00 00 HVAC	23 82 16	Air Coils	2016-06
23 00 00 HVAC	23 81 29	Requirements for Variable Refrigerant Flow Systems	2023-03
26 00 00 Electrical	26 05 00	Conductors and Cables	2017-08
26 00 00 Electrical	26 05 13	Medium Voltage Cables	2016-06
26 00 00 Electrical	26 05 26	Grounding and Bonding Electrical Systems	2016-06
26 00 00 Electrical	26 05 29	Electrical Supports and Seismic Restraints	2016-06
26 00 00 Electrical	26 05 33	Raceway and Boxes	2017-08
26 00 00 Electrical	26 05 43	Underground Electrical Duct Bank	2017-08
26 00 00 Electrical	26 05 53	Identification of Electrical Systems	2017-08
26 00 00 Electrical	26 10 01	Pad Mounted Interrupter Switches	2016-06
26 00 00 Electrical	26 10 02	Double-Ended Unit Substation	2017-08
26 00 00 Electrical	26 10 03	Pad Mounted Distribution Transformers	2016-06
26 00 00 Electrical	26 10 04	Unit Substation	2021-12
26 00 00 Electrical	26 24 01	Enclosed Switches and Circuit Breakers	2016-06
26 00 00 Electrical	26 24 02	Transfer Switches	2021-12
26 00 00 Electrical	26 24 03	Motor Controllers	2016-06
26 00 00 Electrical	26 24 04	Panelboards	2024-09
26 00 00 Electrical	26 24 05	Motor Control Centers	2016-06
26 00 00 Electrical	26 24 06	Enclosed Bus Assemblies	2021-12
26 00 00 Electrical	26 24 07	Dry-Type Transformers	2016-06
26 00 00 Electrical	26 24 08	Fuses	2016-06
26 00 00 Electrical	26 27 26	Wiring Devices	2016-06
26 00 00 Electrical	26 29 23	Variable Frequency Drives	2021-12
26 00 00 Electrical	26 35 00	Transient Voltage Surge Suppression	2016-06
26 00 00 Electrical	26 51 00	Interior Lighting	2022-03
26 00 00 Electrical	26 51 10	Lighting Controls	2022-03
26 00 00 Electrical	26 51 00	Exterior Lighting	2022-03
27 00 00 Communications	27 00 00	IT Infrastructure Design Guidelines and Performance Standards Revision 1.5	2026-01
28 00 00 Electronic Safety and Security	28 00 00	Fire Alarm	2025-10
32 00 00 Exterior Improvements	32 01 01	Exterior Improvements Design	2025-10
32 00 00 Exterior Improvements	32 01 02	Exterior Improvements Maintenance	2020-04
32 00 00 Exterior Improvements	32 14 40	Stone Paving	2019-12
32 00 00 Exterior Improvements	32 33 13	Site Bicycle Racks	2019-07

	Title: YALE OFFICE OF FACILITIES PROCEDURE MANUAL Chapter: 01—Yale Design Standard Table of Contents	Section: 01-33
		Date: January 2026
		Author: Office of Facilities, University Architect

Division	Section	Title	Document Date
32 00 00 Exterior Improvements	32 33 43	Site Seating and Tables	2021-08
32 00 00 Exterior Improvements	32 10 01	Parking Lots	2025-06
32 00 00 Exterior Improvements	32 14 40	Bluestone Paving and Appendix A	2025-06
33 00 00 Utilities	33 46 00	Stormwater Management	2025-10
33 00 00 Utilities	33 61 0001	Underground Utility System Routing	2016-06
33 00 00 Utilities	33 61 0002	Direct Buried Piping and Conduit Systems	2016-06
33 00 00 Utilities	33 61 0003	Manholes	2016-06
33 00 00 Utilities	33 61 0004	Tunnels	2016-06
33 00 00 Utilities	33 62 00	Hydronic, Steam, and Electrical Metering	2025-01
33 00 00 Utilities	33 62 0001	Hydronic Steam and Electrical Metering Details	2016-06

Discipline	Detail Number	Standard Detail Description	Document Date
Mechanical	SD 23 22 16 01	Condensate Steam Trap LP Building Systems	2025-01
Mechanical	SD 23 22 16_02	Condensate Steam Trap for HP/MP Building Systems and & HP/MP/LP Manholes	2025-01
Mechanical	SD 23 22 16 04	Steam PRV Station Two-Stage	2019-01
Mechanical	SD 23 22 16 05	Steam Safety Drip Pan	2019-01
Mechanical	SD 23 22 23 03	Flash Tank Detail	2019-01
Mechanical	SD 23 57 00 01	Steam to HW HX Detail	2019-01
Mechanical	SD 23 82 16 01	Single Bank Preheat Coil	2019-01
Mechanical	SD 23 82 16 01	Multi-Bank Heating Coil	2019-01
Mechanical	SD 23 82 16 02	Single Bank Cooling Coil	2019-01
Mechanical	SD 23 82 16 03	Multi-Bank Cooling Coil	2019-01
Mechanical	SD 23 82 16 04	VAV Heating Coil	2019-01
Utilities	SD 33 46 00 01	Flood Prone Areas – Central Campus	2025-10
Utilities	SD 33 46 00 02	Flood Prone Areas – Medical Campus	2025-10
Utilities	SD 33 46 00 03	Flood Prone Areas – West Campus	2025-10

Date	Description of Change	Pages / Sections Modified	ID
10/2025	01 77 00 Closeout Procedures	New standard	Office of Facilities




Title: YALE OFFICE OF FACILITIES PROCEDURE MANUAL
 Chapter: 01—Yale Design Standard
 Table of Contents

Section: 01-33


Date: January 2026

Author: Office of Facilities,
 University Architect

10/2025	01 78 23 Operations and Maintenance	New standard	Office of Facilities
10/2025	01 79 00 Demonstration and Training	New standard	Office of Facilities
10/2025	03 00 00 Concrete	Revised standard	Office of Facilities
10/2025	28 00 00 Fire Alarm	Revised standard	Office of Facilities
10/2025	32 01 01 Exterior Improvements Design	Revised standard	Office of Facilities
10/2025	33 46 00 Stormwater Management	Revised standard	Office of Facilities
10/2025	SD 33 46 00_01 Flood Prone Areas – Central Campus	New figure	Office of Facilities
10/2025	SD 33 46 00_02 Flood Prone Areas – Medical Campus	New figure	Office of Facilities
10/2025	SD 33 46 00_03 Flood Prone Areas – West Campus	New figure	Office of Facilities
06/2025	01040 Coordination	Deleted standard	Office of Facilities
06/2025	01060 General Regulatory and Directive Standards	Revised standard	Office of Facilities
06/2025	01 21 00 Allowances	New standard	Office of Facilities
06/2025	01 25 00 Substitution Procedures	New standard	Office of Facilities
06/2025	01 26 00 Contract Modification Procedures	New standard	Office of Facilities
06/2025	01 31 00 Project Management and Coordination	New standard	Office of Facilities
06/2025	01 32 00 Construction Progress Documentation	New standard	Office of Facilities
06/2025	01 35 63 Sustainable Design Requirements	Revised standard	Office of Facilities
06/2025	01 45 00 Contractor Quality Control	New standard	Office of Facilities
06/2025	01 45 29 Testing and Laboratory Services	New standard	Office of Facilities
06/2025	01 50 00 Temporary Facilities and Controls	New standard	Office of Facilities
06/2025	01 60 00 Product Requirements	New standard	Office of Facilities
06/2025	01 73 00 Execution	Revised standard	Office of Facilities
06/2025	01740 Warranties	Deleted standard	Office of Facilities
06/2025	01 74 19 Construction Waste Management	New standard	Office of Facilities
06/2025	01 77 00 Closeout Procedures	Revised standard	Office of Facilities
06/2025	01 78 23 Operations and Maintenance Data	Revised standard	Office of Facilities
06/2025	01 79 00 Demonstration and Training	Revised standard	Office of Facilities
06/2025	01 81 19 Construction IAQ Requirements	New standard	Office of Facilities
06/2025	10 14 00 Signage	Revised standard	Office of Facilities
06/2025	10 21 13 Toilet Compartments	Revised standard	Office of Facilities
06/2025	10 28 00 Toilet, Bath and Laundry Accessories	Revised standard	Office of Facilities
06/2025	12 24 50 Laboratory Casework	Revised standard	Office of Facilities
06/2025	23 36 00 Air Terminal Units, Lab and Non-Lab Application Equipment Requirements	New standard	Office of Facilities
06/2025	28 00 00 Fire Alarm	Revised standard	Office of Facilities
06/2025	32 01 01 Exterior Improvements Design	Revised standard	Office of Facilities
06/2025	32 10 01 Parking Lots	Revised standard	Office of Facilities
06/2025	32 14 40 Bluestone Paving and Appendix A	Revised standard	Office of Facilities
01/2025	01 91 00 General Commissioning Requirements	Revised standard	Office of Facilities
01/2025	23 05 23 General Duty Valves for Mechanical Systems	Revised standard	Office of Facilities
01/2025	23 05 23 01 Valve Service Index	Revised standard	Office of Facilities
01/2025	26 05 13 Medium Voltage Cables	Revised standard	Office of Facilities
01/2025	33 62 00 Hydronic, Steam, and Electrical Metering	Revised standard	Office of Facilities

	Title: YALE OFFICE OF FACILITIES PROCEDURE MANUAL Chapter: 01—Yale Design Standard Table of Contents	Section: 01-33
		Date: January 2026
		Author: Office of Facilities, University Architect

01/2025	SD 23 22 16_01 Condensate Steam Trap LP Building Systems	Revised standard	Office of Facilities
01/2025	SD 23 22 16_02 Condensate Steam Trap for HP/MP Building Systems and & HP/MP/LP Manholes	Revised standard	Office of Facilities
09/2024	01 35 63 Sustainable Design Requirements	Revised standard	Office of Facilities
09/2024	22 07 00 Building HVAC Insulation	Eliminated	Office of Facilities
09/2024	22 07 19 Building HVAC Insulation	New standard	Office of Facilities
09/2024	22 07 20 Utility Systems Insulation	New standard	Office of Facilities
09/2024	22 33 00 Electric Domestic Water Heaters	New standard	Office of Facilities
09/2024	26 24 04 Panelboards	Revised standard	Office of Facilities
03/2024	01 83 00 Facility Shell Performance – Bird Collisions	Revised standard	Office of Facilities
03/2024	02 71 30 Water Distribution	Revised format	Office of Facilities
03/2024	02 71 40 Chilled Water Distribution	Revised format	Office of Facilities
03/2024	02 71 50 Steam Distribution	Revised format	Office of Facilities
03/2024	02 72 10 Storm Sewerage Systems	Revised format	Office of Facilities
03/2024	02 72 20 Sanitary Sewerage Systems	Revised format	Office of Facilities
03/2024	02 82 50 Irrigation Systems	Revised format	Office of Facilities
03/2024	04 00 00 Unit Masonry	Revised format	Office of Facilities
03/2024	04 01 20 Masonry Restoration and Cleaning	Revised format	Office of Facilities
03/2024	06 20 00 Finish Carpentry	Revised format	Office of Facilities
03/2024	06 40 00 Architectural Woodwork	Revised format	Office of Facilities
03/2024	07 00 00 Thermal and Moisture Protection	Revised format	Office of Facilities
03/2024	07 21 00 Thermal Insulation	Revised format	Office of Facilities
03/2024	07 30 00 Steep Slope Roofing	Revised format	Office of Facilities
03/2024	07 50 00 Membrane Roofing	Revised format	Office of Facilities
03/2024	07 53 00 Elastomeric Membrane Roofing	Revised format	Office of Facilities
03/2024	07 60 00 Flashing and Sheet Metal	Revised format	Office of Facilities
03/2024	07 81 00 Applied Fireproofing	Revised format	Office of Facilities
03/2024	07 84 00 Firestopping	Revised format	Office of Facilities
03/2024	07 90 00 Joint Protection	Revised format	Office of Facilities
03/2024	08 10 00 Steel Doors and Frames	Revised format	Office of Facilities
03/2024	08 20 00 Wood Doors	Revised format	Office of Facilities
03/2024	08 50 00 Metal Windows	Revised format	Office of Facilities
03/2024	08 60 00 Wood Windows	Revised format	Office of Facilities
03/2024	08 70 00 Finish Hardware	Revised format	Office of Facilities
03/2024	08 80 00 Glass and Glazing	Revised format	Office of Facilities
03/2024	09 25 00 Gypsum Drywall	Revised format	Office of Facilities
03/2024	09 51 00 Acoustical Ceilings	Revised format	Office of Facilities
03/2024	09 65 00 Resilient Flooring	Revised format	Office of Facilities
03/2024	09 67 00 Wall Finishes	Revised format	Office of Facilities
03/2024	09 68 00 Carpet	Revised format	Office of Facilities
03/2024	09 90 00 Paint	Revised format	Office of Facilities
03/2024	11 61 00 Laboratory Fume Hoods	Revised format	Office of Facilities

	<p>Title: YALE OFFICE OF FACILITIES PROCEDURE MANUAL Chapter: 01—Yale Design Standard Table of Contents</p>	Section: 01-33
		Date: January 2026
		Author: Office of Facilities, University Architect

03/2024	12 24 50 Laboratory Casework	Revised format	Office of Facilities
03/2024	12 50 00 Window Treatments	Revised format	Office of Facilities
03/2024	13 91 50 Fire Suppression	Revised format	Office of Facilities