



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

Section: 01-33

Date: June 2021

Author: University Planning

Division	Section	Title	Document Date
01 00 00 General Requirements	01010	Scope of Work	2005-04
01 00 00 General Requirements	01040	Coordination	2005-04
01 00 00 General Requirements	01060	General Regulatory & Directive Standards	2005-04
01 00 00 General Requirements	01061	Plumbing Regulatory & Directive Standards	2005-04
01 00 00 General Requirements	01062	Fire Protection Regulatory & Directive Standards	2005-04
01 00 00 General Requirements	01063	HVAC Regulatory & Directive Standards	2005-04
01 00 00 General Requirements	01064	Electrical Regulatory & Directive Standards	2005-04
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	01351	Special Procedures for Historic Treatment	2005-04
01 00 00 General Requirements	01352	Sustainable Design Requirements	2018-07
01 00 00 General Requirements	01730	Project Execution and Closeout	2004-05
01 00 00 General Requirements	01740	Warranties	2005-10
01 00 00 General Requirements	01782	Operations and Maintenance Data	2004-05
01 00 00 General Requirements	01810	General Commissioning	2004-05
01 00 00 General Requirements	01820	Demonstration and Training	2004-05
01 00 00 General Requirements	01 35 53	Security Procedures	2019-07
01 00 00 General Requirements	01 83 00	Facility Shell Performance (Birds)	2019-07
01 00 00 General Requirements	01 56 40	Tree Protection and Preservation	2021-06
01 00 00 General Requirements	01 88 13	Special Construction Performance Rqmts.	2019-12
02 00 00 Site Construction	02713	Water Distribution	2004-05
02 00 00 Site Construction	02714	Chilled Water Distribution	2004-05
02 00 00 Site Construction	02715	Steam Distribution	2004-05
02 00 00 Site Construction	02721	Storm Sewerage Systems	2004-05
02 00 00 Site Construction	02722	Sanitary Sewerage Systems	2004-05
02 00 00 Site Construction	02725	Irrigation Systems	2004-05
04 00 00 Masonry	04 00 00	Unit Masonry	2018-08
04 00 00 Masonry	04 01 20	Masonry Restoration and Cleaning	2018-08
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	2018-08
06 00 00 Woods, Plastics and Composites	06 40 00	Architectural Woodwork	2018-08
08 00 00 Openings	08100	Steel Doors and Frames	2012-01
08 00 00 Openings	08200	Wood Doors	2012-01
08 00 00 Openings	08 31 00	Security Access Doors and Frames	2019-07
08 00 00 Openings	08500	Metal Windows	2004-05
08 00 00 Openings	08600	Wood Windows	2004-05



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

Section: 01-33

Date: June 2021

Author: University Planning

Division	Section	Title	Document Date
08 00 00 Openings	08700	Finish Hardware	2012-01
08 00 00 Openings	08800	Glass and Glazing	2004-05
09 00 00 Finishes	09250	Gypsum Drywall	2018-06
09 00 00 Finishes	09510	Acoustical Ceilings	2004-05
09 00 00 Finishes	09650	Resilient Flooring	2004-05
09 00 00 Finishes	09670	Wall Finishes	2004-05
09 00 00 Finishes	09680	Carpet	2018-12
09 00 00 Finishes	09900	Paint	2018-12
10 00 00 Specialties	10 14 00	Signage	2019-07
10 00 00 Specialties	10 21 13	Interior Specialties	2019-07
10 00 00 Specialties	10 28 00	Toilet, Bath and Laundry Accessories	2019-12
10 00 00 Specialties	10 44 13	Fire Protection Cabinets	2019-04
11 00 00 Equipment	11610	Laboratory Fume Hoods	2018-12
12 00 00 Furnishings	12 30 00	Casework	2019-07
12 00 00 Furnishings	12245	Laboratory Casework	2018-12
12 00 00 Furnishings	12 50 00	Furniture	2019-07
12 00 00 Furnishings	12500	Window Treatments	2018-12
13 00 00 Special Construction	13915	Fire Suppression	2004-05
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 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 13	Motors Requirements for Mechanical Equipment	2016-06
23 00 00 HVAC	23 05 2300	General Duty Valves for Mechanical Systems	2016-06
23 00 00 HVAC	23 05 2301	Valve Service Index	2016-06
23 00 00 HVAC	23 05 53	Identification for Mechanical Systems	2016-06
23 00 00 HVAC	23 07 00	HVAC Insulation	2016-06
23 00 00 HVAC	23 21 13	Piping Hydronic, Steam Condensate, Welding Requirements	2016-06
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



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

Section: 01-33

Date: June 2021

Author: University Planning

Division	Section	Title	Document Date
23 00 00 HVAC	23 21 23	Hydronic Pumps	2016-06
23 00 00 HVAC	23 22 1601	Steam Pressure Reducing Stations	2016-06
23 00 00 HVAC	23 22 1602	Steam Traps	2016-06
23 00 00 HVAC	23 22 23	Steam Condensate Pumps	2016-06
00 00 23 HVAC	23 34 00	Fans	2016-06
23 00 00 HVAC	23 57 00	Hydronic and Steam Heat Exchanger	2016-06
23 00 00 HVAC	23 75 00	Air Handling Equipment	2016-06
23 00 00 HVAC	23 82 16	Air Coils	2016-06
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	2021-03
26 00 00 Electrical	26 24 01	Enclosed Switches and Circuit Breakers	2016-06
26 00 00 Electrical	26 24 02	Transfer Switches	2017-08
26 00 00 Electrical	26 24 03	Motor Controllers	2016-06
26 00 00 Electrical	26 24 04	Panelboards	2017-09
26 00 00 Electrical	26 24 05	Motor Control Centers	2016-06
26 00 00 Electrical	26 24 06	Enclosed Bus Assemblies	2016-06
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	2017-08
26 00 00 Electrical	26 35 00	Transient Voltage Surge Suppression	2016-06
26 00 00 Electrical	26 51 00	Interior Lighting	2016-06
26 00 00 Electrical	26 56 00	Exterior Lighting	2016-06
28 00 00 Electronic Safety and Security	28 00 00	Fire Alarm	2019-01
32 00 00 Exterior Improvements	32 01 01	Exterior Improvements Design	2020-04
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
32 00 00 Exterior Improvements	32 33 43	Site Seating and Tables	2019-12
32 00 00 Exterior Improvements	32 10 00	Parking Lots	2021-03
33 00 00 Utilities	33 46 00	Stormwater Management	2021-06



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

Section: 01-33

Date: June 2021

Author: University Planning

Division	Section	Title	Document Date
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	2016-06
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	2019-01
Mechanical	SD 23 22 16 02	Condensate Steam Trap for HP & MP	2019-01
Mechanical	SD 23 22 16 04	Steam PRV Station 2-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

Date	Description of Change	Pages / Sections Modified	ID
03/22/2021	Revised document		cj385