

Duke University Construction Standards Table of Contents

Division 00 - Procurement and Contracting Requirements

Section #	Title	Last Revised
00 21 13	Instructions to Bidders	Nov 2013
00 22 13	Supplementary Instructions to Bidders	Jun 2014
00 73 19	Health and Safety Requirements	Jun 2014

Division 01 - General Requirements

Section #	Title	Last Revised
01 10 00	Summary	Jun 2014
01 11 13	Work Covered by Contract Documents	Jun 2014
01 14 16	Coordination with Occupants	Jun 2014
01 23 00	Alternates	Jun 2014
01 32 13	Scheduling of Work	Jun 2014
01 33 00	Submittal Procedures	Jun 2014
01 45 29	Testing Laboratory Services	Jun 2014
01 50 00	Tree Protection Zone	Mar 2018
01 51 13	Temporary Electricity	Jun 2014
01 51 23	Temporary Heating, Cooling, and Ventilating	Nov 2013
01 51 33	Temporary Telecommunications	Jun 2014
01 51 36	Temporary Water	Nov 2013
01 52 13	Field Offices and Sheds	Nov 2013
01 52 19	Sanitary Facilities	Jun 2014
01 66 00	Product Storage and Handling Requirements	Nov 2013
01 74 00	Cleaning and Waste Management	Feb 2017
01 74 19	Construction Waste Management and Disposal	Mar 2018
01 74 23	Final Cleaning	Jun 2019
01 77 00	Closeout Procedures	Nov 2013
01 78 00	Closeout Submittals	Jun 2014
01 78 23.16	Maintenance Data	Nov 2013
01 78 23.19	Preventative Maintenance Instructions	Nov 2013
01 78 33	Bonds	Nov 2013
01 78 36	Warranties	Nov 2013
01 78 39	Project Record Documents	Jun 2014
01 79 00	Demonstration and Training	May 2018
Appendices		
A015110	Temporary Services	
A015120	Tree Protection Zone	
A015210	Construction Sites	

Division 02 - Existing Conditions

Section #	Title	Last Revised
02 82 00	Asbestos Remediation	Jun 2014
02 83 00	Lead Remediation	Feb 2014
Appendices		
A020010	Duke Landscape	

Division 03 - Concrete

Section #	Title	Last Revised
03 00 00	Concrete	Nov 2013
03 05 00	Common Work Results for Concrete	Nov 2013
03 40 00	Precast Concrete	Nov 2013

Division 04 - Masonry

Section #	Title	Last Revised
04 01 20.52	Unit Masonry Cleaning	Jun 2014
04 01 20.91	Unit Masonry Restoration	Nov 2013
04 01 40.52	Stone Cleaning	Jun 2014
04 01 40.91	Stone Restoration	Nov 2013
04 20 00	Unit Masonry	Nov 2013
04 21 13	Duke Brick	Jun 2014
04 40 00	Duke Stone Assemblies	Jun 2014
Appendices		
A042010	Duke Brick	
A044010	Duke Stone	
A044090	Stone Rest	

Division 05 - Metals

Section #	Title	Last Revised
05 00 00	Metals	Nov 2013
Appendices		
A050090	Arch Metals	

Division 06 - Woods, Plastics, and Composites

Section #	Title	Last Revised
06 00 00	Woods, Plastics, and Composites	Nov 2013
06 10 00	Rough Carpentry	Nov 2013
06 20 00	Finish Carpentry	Jun 2014

Division 07 - Thermal and Moisture Protection

Section #	Title	Last Revised
-----------	-------	--------------

07 00 00	Thermal and Moisture Protection	Nov 2013
07 13 00	Sheet Waterproofing	Jun 2014
07 19 00	Water Repellants	Nov 2013
07 21 00	Thermal Insulation	Nov 2013
07 26 00	Vapor Retarders	Nov 2013
07 30 00	Steep Slope Roofing	Nov 2013
07 40 00	Roofing	Jun 2014
07 41 63	Fabricated Roof Panel Assemblies	Nov 2013
07 60 00	Flashing and Sheet Metal	Nov 2013
07 70 00	Roof and Wall Specialties and Accessories	Nov 2013
07 80 00	Fire and Smoke Protection	Nov 2013
07 90 00	Joint Protection	Jun 2014
Appendices		
A074090	Roofing	

Division 08 - Openings

Section #	Title	Last Revised
08 00 00	Openings	Jun 2014
08 01 80	Maintenance of Glazing (Leaded Glass Window Restoration)	Nov 2013
08 11 00	Metal Doors and Frames	Jun 2014
08 14 00	Wood Doors	Nov 2013
08 51 13	Aluminum Windows	Nov 2013
08 70 00	Hardware	Nov 2013
08 71 00	Door Hardware	Jun 2014
08 90 00	Louvers and Vents	Jun 2014

Division 09 - reserved

Division 10 - Specialties

Section #	Title	Last Revised
10 00 00	Specialties	Mar 2018
10 11 00	Visual Display Surfaces	Jun 2014
10 14 00	Signage	Jun 2014
10 21 13.19	Plastic Toilet Compartments	Nov 2013
10 28 13.13	Commercial Toilet Accessories	Mar 2018
10 44 13	Fire Extinguisher Cabinets	Jun 2014
10 44 16	Fire Extinguishers	Jun 2014
10 51 13	Metal Lockers	Jun 2014
Appendices		
A101420	Signage	
A102813	Bath Accessories	Nov 2025

A105613	Metal Shelving	
---------	----------------	--

Division 11 - Equipment

Section #	Title	Last Revised
11 00 00	Equipment	Jun 2014
11 12 00	Parking Control Equipment	Nov 2013
11 13 00	Loading Dock Equipment	Nov 2013
11 21 23	Vending Equipment	Nov 2013
11 30 00	Residential Equipment	Nov 2013
11 40 00	Foodservice Equipment	Nov 2013
11 52 00	Audio-Visual Equipment	Nov 2013
11 53 00	Laboratory Equipment	Jun 2014
11 82 13	Solid Waste Bins	Feb 2017
11 82 26	Waste Compactor and Destructors	Feb 2017
Appendices		
A111310	Equipment items	
A118213	Solid Waste Bins	
A118223	Recycling Equipment	
A118226	Waste Compactor and Destructors	

Division 12 - reserved

Division 13 - Special Construction

Section #	Title	Last Revised
13 00 00	Special Construction	Nov 2013
13 34 00	Fabricated Engineered Structures	Nov 2013

Division 14 - Conveying Equipment

Section #	Title	Last Revised
14 01 00	Guarantees, Service & Manuals	Jun 2014
14 20 00	Elevators	Jun 2014
14 24 00	Hydraulic Elevators	Nov 2013
14 42 16	Vertical Wheelchair Lifts	Jun 2014

Division 15 - reserved

Division 16 - reserved

Division 17 - reserved

Division 18 - reserved

Division 19 - reserved

Division 20 - reserved

Division 21 - Fire Suppression

Section #	Title	Last Revised
21 05 19	Meter and Gauges for Fire-Suppression Systems	Jun 2014
21 13 13	Wet-Pipe Sprinkler Systems	Jun 2014

Division 22 - Plumbing

Section #	Title	Last Revised
22 05 00	Common Work Results for Plumbing	Mar 2018
22 05 09	Meters and Gauges for Plumbing	Jan 2019
22 07 00	Insulation for Plumbing Piping	Jan 2019
22 08 00	Commissioning of Plumbing	Mar 2018
22 09 23.13	Water Utility Metering	Feb 2025
22 10 10	Plumbing Pumps	Mar 2018
22 11 18	Plumbing Piping	Nov 2024
22 11 19	Domestic Water Specialties	Mar 2018
22 30 00	Domestic Hot Water Systems	Mar 2018
22 40 00	Plumbing Fixtures	Mar 2018
22 60 00	Gas and Vacuum Systems for Laboratory and Healthc	Mar 2018

Division 23 - Heating, Ventilating, and Air-Conditioning (HVAC)

Section #	Title	Last Revised
23 00 00.01	Load Calculations	Aug 2024
23 00 00.02	Requirements for Drawings	Aug 2024
23 00 00.10	Mechanical Equipment Room Design	Aug 2024
23 05 13	Common Motor Requirements for HVAC Equipment	Nov 2024
23 05 23	General-Duty Valves for Piping	Nov 2024
23 05 93	Testing, Adjusting and Balancing for HVAC	Nov 2024
23 07 16	HVAC Piping and Equipment Insulation	Apr 2025
23 08 00	Commissioning of HVAC Systems	Mar 2018
23 09 13	Instrumentation and Control for HVAC	Feb 2025
23 09 23	Sensors and Instruments	Feb 2025
23 09 23.11	Pressure Independent Control Valves	Feb 2025
23 09 23.13	Thermal Utility Metering	Feb 2025
23 09 93	Sequences of Operations HVAC	Feb 2025
23 09 93.10	HVAC Control Schematics	Feb 2025
23 21 13	Building Mechanical Piping	Nov 2024

23 21 23	Hydronic Pumps	Apr 2025
23 22 13	Building Steam & Condensate Piping Systems	Feb 2025
23 25 00	HVAC Water Treatment, Flushing and Cleaning	Nov 2024
23 31 00	HVAC Ducts and Casings	Apr 2025
23 50 00	Building Central Heating Equipment	Nov 2024
23 60 00	Chilled Water and Heating Hot Water Systems	Nov 2024
23 70 00	Central HVAC Equipment (Air Handling Units)	Apr 2025
23 82 19	Fan Coil and Blower Coil Units	Apr 2025
Appendices		
N/A	Duke-Siemens	Apr 2025

Division 24 - reserved

Division 25 - reserved

Division 26 - Electrical

Section #	Title	Last Revised
26 05 19	Building Wire and Cable	Mar 2018
26 05 26	Grounding and Bonding for Electrical Systems	Mar 2018
26 05 33	Raceway and Boxes for Electrical Systems	Mar 2018
26 05 53	Identification	Jan 2019
26 05 76	Arc-Flash Studies	May 2015
26 08 00	Commissioning of Electrical Systems	Mar 2018
26 08 01	Electrical Acceptance Testing	Jun 2014
26 20 00	Low-Voltage Electrical Distribution	Mar 2018
26 24 00	Switchboards and Panelboards	Jun 2014
26 24 16	Panelboards	Oct 2014
26 27 26	Wiring Devices	Jun 2014
26 56 00	Area Site Lighting	Jan 2019

Division 27 - Communications

Section #	Title	Last Revised
27 00 00	Communication Facilities Construction Design Standards	Jun 2014
27 52 25	Assistive Listening Systems	Jun 2014
Appendices		
A270000	Communications	

Division 28 - Electronic Safety and Security

Section #	Title	Last Revised
28 05 13	Conductors and Cables for Electronic Safety and Security	Jun 2014
28 31 00	Fire Detection and Alarm	Jun 2014

28 31 46	Smoke Detection Sensors	Jun 2014
----------	-------------------------	----------

Division 29 - reserved

Division 30 - reserved

Division 31 - Earthwork

Section #	Title	Last Revised
31 23 00	Trenching Backfilling and Compaction of Utilities	Jul 2017
31 25 00	Erosion and Sedimentation Controls	Nov 2018

Division 32 - Exterior Improvements

Section #	Title	Last Revised
32 01 90	Operation and Maintenance of Planting	Jan 2019
32 01 90.13	Fertilizing	Nov 2018
32 01 90.23	Pruning	Nov 2018
32 01 90.26	Watering	Nov 2018
32 80 00	Irrigation	Aug 2017
32 91 13	Soil Preparation	Feb 2016
32 91 13.26	Mulch	Nov 2018
32 92 19	Seeding	Jan 2019
32 92 23	Sodding	Nov 2018
32 93 00	Plants	Feb 2016
32 93 13	Groundcovers	Nov 2018
32 93 43	Trees	Mar 2018
Appendices		
A320010	Boundary Fencing	
A329100	Tree Planting Detail	
A015639	Tree Protection Zone	
	Tree Protection - Maintenance Road	
	Tree Protection - Boring Under Crown Dripline	
	Modified Existing Soil- Compacted Subsoil (Trenching)	

Division 33 - Utilities

Section #	Title	Last Revised
33 11 00	Water Utility Distribution Piping	Mar 2018
33 30 00	Sanitary Sewer	Mar 2018
33 40 00	Storm Drainage	Mar 2018
33 61 00	Chilled Water Distribution	Oct 2017
33 63 00	Underground Steam and Condensate System	Mar 2018
33 70 00	44kV Loop Easement Work Approval Process	Mar 2025

Appendices		
A336300	Steam Energy Distribution	

Division 34 - Transportation

Division 35 - Waterway and Marine Construction

Division 36 - reserved

Division 37 - reserved

Division 38 - reserved

Division 39 - reserved

Division 40 - reserved

Division 41 - Material Processing and Handling Equipment

Division 42 - Process Heating, Cooling, and Drying Equipment

Division 43 - Process Gas and Liquid Handling, Purification, and Storage Equipment

Division 44 - Pollution Control Equipment

Division 45 - Industry-Specific Manufacturing Equipment

Division 46 - reserved

Division 47 - reserved

Division 48 - Electrical Power Generation

Division 49 - reserved

Division 50 - reserved

DRAFT Landscape and Irrigation

Title

Planting Specifications
Planting Soil Specifications
Root Pruning Standard Operating Procedure
Tree Planting Executive Summary
Tree Protection Zones (TPZs)

Additional Files - Supplemental Guidelines and Standards

Title
Support Space - Planning Standards:
Telecommunication Systems Guidelines
Service Spaces
Lactation Rooms
Sustainable Building Guidelines & Related Documents:
Sustainable Building Guideline
Sustainable Building Project Checklist
Energy Modeling Information Form
Utility Marking Standards
Conceptual Design Goals