



**Design and
Construction
Guidelines**

Division 00 – Procurement and Contracting Requirements **December 2021**

00 00 00	Procurement and Contracting Requirements
00 43 00	Consultant Invoice Summary – AIA
00 45 13	Contractor’s Qualification Form
00 65 00	Instructions for Payment/Lien Release
00 73 16	Insurance Requirements (Plan Review Guidelines)
00 73 19	Health and Safety Requirements
00 73 43	Prevailing Wages
Appendix 1	Project Record Documents and CAD Specifications

Division 01 – General Requirements **December 2020**

01 31 19	Meetings
01 33 00	Submittal Procedures
01 33 29	Sustainable Design Reporting
01 41 19	Contractor Rules
01 50 00	Temporary Facilities and Controls
01 73 29	Cutting and Patching
01 77 19	Closeout Requirements
01 81 13	Sustainable Design Requirements (RIT Climate Action Plan)
01 84 00	Space Definitions and Guidelines
01 89 00	Site and Parking Lot Design Standards

Division 02 – Existing Conditions **June 2019**

02 26 00	Asbestos Containing Materials Reference
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Division 03 – Concrete **June 2019**

03 01 00	Maintenance of Concrete
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Division 04 – Masonry **June 2019**

04 21 13	Brick Masonry
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Division 05 – Metals **June 2019**

05 05 13 Shop-Applied Coatings for Metal

Division 07 – Thermal and Moisture Protection

June 2019

07 20 00 Thermal Protection
 07 53 23 Ethylene-Propylene-Diene-Monomer Roofing
 07 72 00 Roof Accessories
 07 80 00 Fire and Smoke Protection

Division 08 – Openings

December 2021

08 11 13 Hollow Metal Doors and Frames
 08 11 16 Aluminum Doors and Frames
 08 42 00 Entrances
 08 71 00 Hardware
 08 79 13 Key Storage Equipment
 08 80 00 Glazing

Division 09 – Finishes

December 2021

09 06 00 Schedules for Finishes
 09 30 00 Tiling
 09 51 00 Acoustical Ceilings
 09 61 00 Common Work Results for Flooring
 09 62 00 Textile Composite Flooring
 09 64 00 Wood Flooring
 09 65 13 Resilient Base and Accessories
 09 65 16 Resilient Sheet Flooring
 09 65 19 Resilient Tile Flooring
 09 67 00 Seamless Flooring
 09 68 00 Carpeting
 09 91 23 Interior Painting

Division 10 – Specialties

December 2021

10 11 16 Markerboards

10 14 00	Signage
10 14 16	Interior Signage
10 14 19	Exterior Building Signs
10 21 13	Toilet Compartments
10 28 13	Toilet Accessories
10 44 00	Fire Protection Specialties
10 55 00	Postal and Package Distribution
10 56 16	Fabricated Wood Storage Shelving
10 73 43	Transportation Stop Shelters

Division 11 – Equipment

December 2021

11 12 00	Parking Control Equipment
11 52 00	Audio/Visual Equipment
11 82 13	Solid Waste Bins

Division 12 – Furnishings

December 2021

12 21 00	Window Blinds
12 32 16	Manufactured Plastic-Laminate-Clad Casework
12 48 13	Entrance Floor Mats
12 48 23	Entrance Grids
12 50 00	Furniture
12 51 00	Office Furniture and Modular Office Systems
12 54 16	Dining Furniture
12 56 33	Classroom Furniture
12 56 43	Common Area and Lounge Furniture
12 56 53	Laboratory Furniture
12 58 00	Residential Furniture
12 80 00	Mechanical Room Furnishings
12 93 13	Bike Racks
12 93 43	Site Seating and Tables

Division 14 – Conveying Equipment

December 2021

14 01 00	Operation and Maintenance Requirements
14 05 00	Common Work Results for Conveying Equipment
14 27 13	Custom Elevator Cab Finishes
14 50 00	Documentation

Division 21 – Fire Sprinkler System

June 2019

21 05 00	Common Work Results for Fire Sprinkler System
21 05 53	Identification for Fire Sprinkler Piping and Equipment
21 08 00	Commissioning
21 13 13	Wet-Pipe Sprinkler Systems
21 13 16	Dry-Pipe Sprinkler System
21 30 00	Fire Pumps

Division 22 – Plumbing

December 2020

22 05 00	Common Work Results for Plumbing
22 05 19	Meters and Gauges
22 05 23	General-Duty Valves
22 05 29	Hangers and Supports
22 05 53	Identification for Plumbing Equipment and Piping
22 07 19	Plumbing Insulation for Equipment and Piping
22 11 16	Domestic Water Piping
22 11 23	Domestic Water Pumps
22 13 16	Sanitary Waste and Vent Piping
22 14 13	Facility Storm Drainage Piping
22 16 23	Natural Gas Piping
22 42 00	Plumbing Equipment and Fixtures
22 45 16	Emergency Plumbing Fixtures
22 47 13	Drinking Fountains

Division 23 – Heating, Ventilating, and Air Conditioning

December 2020

23 01 00	Operation and Maintenance Requirements
23 05 19	Meters and Gauges

23 05 23	General-Duty Valves
23 05 29	Hangers and Supports
23 05 53	Identification for HVAC Equipment and Piping
23 05 93	Testing, Adjusting, and Balancing
23 07 00	HVAC Insulation
23 09 00	Instrumentation and Control for HVAC
23 09 13	Control Valves
23 21 00	Hydronic Piping and Pumps
23 23 00	Refrigerant Piping
23 31 00	HVAC Air Distribution
23 34 00	HVAC Fans
23 36 16	Variable-Air Volume Units
23 40 00	HVAC Air Cleaning Devices (Filters)
23 60 00	Central Cooling Equipment
23 74 00	Roof-Mounted Equipment
23 81 46	Heat Pumps
23 82 00	Convection Heating and Cooling Units

Division 26 – Electrical

December 2020

26 01 00	Operation and Maintenance of Electrical Systems
26 05 00	Common Work Results for Electrical
26 10 00	Medium-Voltage Electrical Distribution
26 20 00	Low-Voltage Electrical Distribution
26 24 16	Panelboards
26 27 13	Electricity Metering
26 29 23	Variable Frequency Motor Controllers (VSD)
26 50 00	Lighting
26 55 00	Special Purpose Lighting

Division 27 – Communications

September 2022

27 05 00	Common Work Results for Communications
27 05 26	Grounding and Bonding for Communication Systems

27 05 28	Pathway for Communication Systems
27 10 00	Structured Cabling
27 13 13	Communication Copper Backbone Cabling
27 13 23	Communication Optical Fiber Backbone Cabling
27 15 13	Communication Copper Horizontal Cabling
27 15 13	Data Communications Wireless Access Points

Division 28 – Security, Fire Detection, and Alarm

December 2020

28 15 00	Access Control Hardware
28 20 00	Video Surveillance
28 30 00	Security Detection, Alarm, Monitoring
28 46 00	Fire Detection and Alarm
28 46 10	Detection and Initiation
28 46 21	Addressable Fire Alarm Systems
28 46 26	Fire Alarm Notification Appliances

Division 32 – Exterior Improvements

June 2019

32 05 13	Soils for Exterior Improvements
32 12 16	Asphalt Paving
32 13 13	Concrete Paving
32 14 13	Precast Concrete Pavers
32 16 40	Curbing
32 17 23	Pavement Markings
32 35 00	Screening Devices
32 93 43	Plants
32 93 43	Trees

Division 33 – Utilities

December 2020

33 05 00	Restoration Standards for Underground Utilities
33 05 13	Manholes
33 10 00	Water Utilities
33 30 00	Sanitary Sewer Utilities

33 40 00	Storm Drainage Utilities
33 44 16	Trench Drains
33 44 31	Catch Basins
33 51 00	Natural Gas Distribution
33 70 00	Electrical Utilities
33 82 00	Communications Transmissions and Distribution