UGA DESIGN & CONSTRUCTION SUPPLEMENTAL GENERAL REQUIREMENTS & STANDARDS TABLE OF CONTENTS

Table of Contents

Introduction

* Changes from July 29, 2022 version to May 1, 2023

Supplemental General Requirements (asterisk "*" indicates revised)

- 00 00 02 Terms
- 00 00 03 Modifications to General Requirements for BOR Contracts
- 00 00 04 Environmental
- 00 00 05 Variance Requirement & Form
- 00 00 05.01 State Fire Marshal Variances
- 00 00 06 Access to Existing Documents
- *00 00 07 Design Professional Design Process Requirements
- *00 00 08 Design Professional Documentation Requirements & Deliverables
- 00 00 09 Room & Space Numbering
- *00 00 10 BIM Requirements
- 00 00 10.01 BIM Execution Plan (BEP)
- 00 00 11 Aesthetic Authority
- 00 00 12 Client & End User Interface
- 00 00 13 Designing Learning Environments
- 00 00 14 Contractor Insurance Special Conditions
- 00 31 31.14 Seismic Investigations Information

UGA Central Campus Probabilistic Seismic Hazard Analysis

- 00 73 01 Sole Source / Sole Brand
- 00 73 39 Minority Business Enterprise
- 01 14 00 Work Restrictions
- 01 14 13 Access to Site Right of Entry
- 01 29 00 Payment Procedures
- 01 29 73 Schedule of Values
- 01 31 19.13 Pre-Construction Meetings
- 01 31 19.23 Progress Meetings
- *01 31 23 Project Website
- 01 32 16 Construction Progress Schedule
- 01 33 00 Submittal Procedures
- 01 35 13.01 Special Project Procedures Utility & Systems Outages
- 01 35 13.02 Special Project Procedures Roofing & Hot Work
- 01 35 23 Owner Safety Requirements Safety Barriers
- 01 35 46 Indoor Air Quality Procedures During Construction
- 01 41 00 Regulatory Requirements
- *01 41 26.01 Right of Way Encroachment / Roadway Ownership



01 41 26.02 - Local Utility Information & Locate

01 41 26.03 - Permit Requirements - Construction Permits

01 41 26.04 – Fire Marshal Construction Inspection Requirements

UGA-354 Plans Transmittal Form

01 41 26.05 - Rock Removal - Rock Blasting

01 41 26.06 - Dining Services

01 41 26.07 - Chemical Storage Rooms

01 45 33 – Special Inspections

01 52 19 - Sanitary Facilities - Toilet Facilities

01 55 00.01 – Roadway, Sidewalks, and Parking Lot Closures

01 55 19 - Temporary Parking Areas

01 55 26 - Traffic Control

01 55 29 - Staging Areas - Storage

01 56 39 - Temporary Tree & Plant Protection

01 58 00 - Campus Signage Standards

01 58 13 - Temporary Project Signage

01 60 00 - Product Requirements

01 65 00 - Product Delivery Requirements

01 74 19 - Construction Waste Management & Disposal

*01 75 00 - Starting & Adjusting

01 77 00 - Project Closeout

01 78 46 - Extra Stock Materials

*01 81 00 - Facility Performance Requirements

*01 91 13 - General Commissioning Requirements

02 01 00 - Maintenance of Existing Conditions

02 22 00 - Existing Conditions Assessment

*02 40 00 - Demolition

Standards

University of Georgia Campus Planning Principles

Architectural Campus Planning Principles

Introduction

Existing UGA Building Styles

The Application of American Campus Planning Principles to the University of Georgia

Campus Building Typology

Massing Diagrams

Campus Façade Typology

Conclusion

Site Campus Planning Principles

Introduction

Gateways & Edges

Site Furnishings

Paving

Site Safety & Security

Stormwater Management



Landscape

Division 03 - Concrete

03 00 00 – General Concrete Requirements

Division 04 – Masonry

04 00 00 - General Masonry Requirements

Division 05 - Metals

05 52 00 - Metal Railings

Division 06 – Wood, Plastics, & Composites

06 00 00 - General Wood, Plastics, & Composites Requirements

06 61 00 - Solid Surface Fabrications

Division 07 – Thermal & Moisture Protection

*07 00 00 – General Thermal and Moisture Protection Requirements – Roof Drains & Roofs

07 21 19 - Closed-Cell Spray Foam Insulation

07 24 00 - Exterior Insulation and Finish System (EIFS)

07 31 13 – Asphalt Shingles

07 41 10 - Copper & Zinc Sheet Metal Roofing

07 41 20 - Steel Standing Seam Sheet Metal Roofing

07 52 13.11 – Cold Adhesive Applied Atactic – Polypropylene (APP) Modified Bituminous Membrane Roofing

07 54 23 - Thermoplastic-Polyolefin (TPO) Roofing

07 62 00 – Sheet Metal Flashing and Gutters and Downspouts

07 71 23.13 – Gutter Debris Guards

07 84 00 - Fire Stopping

Division 08 - Openings

*08 10 00 - Doors and Frames

08 51 13 - Aluminum Windows

08 71 00 - Door Hardware

08 80 00 - Glazing

08 83 00 - Mirrors

Division 09 – Finishes

09 00 00 – General Finishes Requirements

*09 00 00.01 - Custodial Storage

09 20 00 - Plaster & Gypsum Board

09 30 00 - Tiling

09 50 00 - Ceilings

09 60 00 - Flooring

09 68 00 - Carpeting

09 72 00 - Wall Coverings

09 80 00 - Acoustical Treatment

09 91 23 - Interior Painting



Division 10 – Specialties

10 14 00 - Signage

10 21 13 - Toilet Compartments

10 26 13 - Corner Guards

10 28 00 - Toilet, Bath, and Laundry Accessories

10 44 00 - Fire Protection Specialties

10 73 43 - Transportation Shelters

Division 11 – Equipment

11 52 00 – Audio-Visual Equipment

11 52 13 - Projection Screens

*11 53 13 – Laboratory Fume Hoods

*11 71 00 - Autoclaves

11 82 26 - Facility Waste Compactors

Division 12 - Furnishings

12 00 00 - General Furnishings Requirements

12 05 13 - Fabrics

12 20 00 - Window Treatments

12 36 00 – Countertops

12 46 33 – Interior Waste Receptacles

12 48 26 - Entrance Carpet Tile

12 56 52 – Audio-Visual Furniture

*12 93 13 - Bicycle Racks

12 93 23 – Trash, Litter, & Recycling Receptacles

12 93 43.13 - Site Seating

12 93 43.53 - Site Tables

Division 13 – Special Construction

13 12 00 - Fountains

13 21 00 - Pre-Fabricated Environmental Rooms

13 34 19 - Metal Building Systems

Division 14 – Conveying Equipment

14 20 00 - Elevators

Division 15 -20 (Not used)

Division 21 – Fire Suppression

21 00 00 – General Fire Suppression Requirements

Division 22 – Plumbing

*22 00 00 - General Plumbing Requirements

22 07 00 - Plumbing Insulation

22 10 00 - Plumbing Piping



22 11 23 - Facility Natural Gas Piping

*22 15 13 - Compressed Air Piping

22 40 00 - Plumbing Fixtures

22 45 00 - Emergency Plumbing Fixtures

22 52 00 – Domestic Water Heaters

22 52 00.01 - Domestic Water Heaters - Steam-Fired

Division 23 – Heating, Ventilating, & Air Conditioning

*23 00 00 - General Mechanical Requirements (HVAC)

*23 05 14 - Variable Frequency Drive

*23 05 19 - Meters & Gages

23 05 23 - General-Duty Valves for HVAC Piping

23 05 29 - Hangers & Supports for HVAC Piping & Equipment

23 05 53 – Identification for HVAC Piping & Equipment

23 05 93 - Testing, Adjusting, & Balancing (TAB) for HVAC

*23 07 13 - Duct Insulation

*23 07 19 - HVAC Piping Insulation

23 09 23 - Building Automation & Temperature Control Systems (BAS)

*23 13 00 – Security and Access Control

*23 20 00 - HVAC Piping Schematics

*23 21 13 - Hydronic Piping

23 21 23 - Hydronic Pumps

*23 22 13 – Steam & Condensate Heating Piping

*23 22 16 - Steam & Condensate Heating Piping Specialties

23 25 00 - HVAC Water Treatment

23 31 13 - Duct Work

23 33 13 - Dampers

23 36 01 - VAV Terminal Units

23 41 33 - High Efficiency Particulate Air (HEPA) Filtration

*23 52 00 - Heating Boilers

23 64 16.13 - Air-Cooled Water Chillers

*23 64 16.16 - Water-Cooled Water Chillers

23 65 00 – Cooling Towers

*23 73 00 – Indoor Central-Station Air-Handling Units

*23 74 00 - Packaged Outdoor HVAC Equipment

23 81 29 – Variable Refrigerant Flow (VRF) HVAC Systems

Division 24 and 25 (Not Used)

Division 26 - Electrical

*26 00 00 - General Electrical Requirements

26 05 13 - Medium Voltage Cable

26 05 14 - Medium Voltage Cable Installation - Outside Contractor

26 05 19 – Low-Voltage Electrical Power Conductors & Cables

26 05 26 - Grounding & Bonding for Electrical Systems

26 05 33.13 - Conduit for Electrical Systems



- 26 05 43 Underground Ducts & Raceways for Electrical Systems
- 26 09 23 Lighting Control Devices
- 26 09 36 Modular Dimming Controls
- 26 09 43.16 Addressable Fixture Lighting Control
- 26 22 00 Low-Voltage Dry Type Transformers
- 26 24 13 Switchgears and Switchboards
- 26 24 16 Panelboards
- 26 24 19 Motor-Control Centers
- 26 32 00 Packaged Generator Assemblies
- 26 41 00 Facility Lightning Protection
- 26 51 00 Interior Lighting
- 26 56 00 Exterior Lighting
- *26 56 13 Lighting Poles & Standards
- 26 56 16 Parking Lighting
- 26 56 19 Roadway Lighting
- 26 56 29 Site & Building Entry Lighting
- 26 56 33 Walkway Lighting
- 26 56 36 Flood Lighting

Division 27 - Communications

- 27 00 00 General Communications Requirements
- 27 05 26 Grounding & Bonding for Communication Systems
- 27 05 29 Hangers & Supports for Communications Systems
- 27 05 36 Cable Trays for Communications Systems
- 27 05 43 Underground Ducts & Raceways for Communication Systems
- 27 05 46 Utility Poles for Communication Systems
- 27 05 53 Identification for Communication Systems
- 27 08 00 Commissioning of Communications
- 27 11 16 Communications Cabinets, Racks, Frames, & Enclosures
- 27 11 19 Communications Termination Blocks & Patch Panels
- 27 11 23 Communications Cable Management & Ladder Rack
- 27 13 13 Communications Copper Backbone Cabling
- 27 13 23 Communications Optical Fiber Backbone Cabling
- 27 13 23.13 Communications Optical Fiber Splicing & Terminations
- 27 13 33 Communications Coaxial Backbone Cabling
- 27 13 43.43 Cable Services Cabling
- 27 15 00 Communications Horizontal Cabling
- 27 20 00.01 Data Communications Wireless
- 27 41 00 General Audio-Visual System Requirements
- 27 41 00.01 Audio-Visual Control System

Division 28 – Electronic Safety & Security

- 28 13 00 Access Control
- 28 13 00.01 Security and Access Control Legacy System
- *28 20 00 Video Surveillance System
- 28 31 00 Fire Detection & Alarm



Divisions 29 and 30 (Not Used)

Division 31 - Earthwork

31 00 00 - General Earthwork Requirements

31 23 16.26 - Rock Removal - Rock Blasting

Division 32 – Exterior Improvements

32 01 90.23 - Pruning

32 12 16 - Asphalt Paving

32 14 16.13 - Brick Unit Paving - Ungrouted

32 16 23 - Sidewalks

32 17 23 - Pavement Markings

32 31 13 – Chain-Link Fences & Gates

32 32 29 - Timber Retaining Walls

32 32 53 - Stone Retaining Walls

32 39 13 - Manufactured Metal Bollards

32 84 00 - Planting Irrigation

32 90 00 - Planting

32 91 00 - Planting Preparation

32 91 13.16 - Mulching

32 92 00 - Turf & Grasses

32 93 00 - Plants

32 94 13 - Landscape Edging

Division 33 – Utilities

33 00 00 – General Utilities Requirements

33 10 00 - Water Utilities - Public Water Distribution System

33 12 13.13 – Water Supply Backflow Preventer Assemblies

33 30 00 – Sanitary Sewerage Utilities – Sanitary Sewer Collection System

33 42 00 - Downspout Conveyance Pipes

*33 60 00 – Hydronic and Steam Energy Utilities

33 71 19 - Electrical Underground Ducts & Manholes

33 80 00 - Communications Utilities

Division 48 – Electrical Power Generation

48 14 00 - Solar Energy Electrical Power Generation Equipment

Appendix A - Detail and Section Drawings