



**UGA DESIGN & CONSTRUCTION  
SUPPLEMENTAL GENERAL REQUIREMENTS & STANDARDS  
CHANGES FROM APRIL 30, 2020 VERSION TO JUNE 15, 2021 VERSION**

Introduction

- Added Paragraph: “ There are a number of UGA units with facilities located outside of Clarke County that often have needs for performing facility maintenance, renovations, or new construction projects. These include, but are not limited to the College of Agricultural and Environmental Sciences “B” unit facilities, including 4-H and Extension sites, Warnell School of Forestry & Natural Resources “B” unit facilities, Skidaway Institute of Oceanography, the Marine Extension and Georgia Sea Grant, University of Georgia Marine Institute, the Griffin and Tifton campuses, and Wormsloe. The design, construction, and renovation requirements for all of these units are not yet fully reflected in the Standards and Design Professionals and Contractor shall discuss applicability and submit for variances per Section 00 00 05 Variance Requirements & Form on a project by project basis.”

00 00 04 – Environmental

- 1.E. Added: “GEOS, the Georgia EPD Online System: All plans, improvements, and construction activities shall be compliant with the rules and regulations administered by the Georgia Environmental Protection Division Unless otherwise expressly permitted through official variance, agreement, or interpretation certified by the Owner. Any permit applications, reports, and fee payments required by the Georgia EPD shall be submitted through GEOS, the Georgia EPD Online System, a web-based portal. It is the responsibility of the Design Professional, Contractor, and/or reporting agency to ensure that all required materials are submitted to GEOS as required by law. The Owner’s designated Responsible Official (RO) will review and certify receipt of filed materials in GEOS when required, but bears no responsibility for the failure of an engaged Design Professional, Contractor, or other agency to successfully submit such required materials appropriately to GEOS for the Project. Refer to [GEOS Training and Technical Assistance](#) site for programs currently included in the online system and a schedule for required GEOS Submittals.”

00 00 05 – Variance Requirement & Form

- 1.D. Added: “For work at UGA's Tifton and Griffin Campuses and all other UGA facilities outside of Clarke County, the Project Manager shall discuss at with the Design Professional and Contractors during the kick off meetings that potential variances of the UGA Standards should be discussed for these locations.”
- Updated Variance Request Form

00 00 07 – Design Professional Design Process Requirements

- 1.D.xv. Added: “Energy Use Intensity (EUI)”



00 00 08 – Design Professional Documentation Requirements & Deliverables

- 1.C.i. Added: “Contract, UGA Building Number”
- 1.C.v. Edited “Accurate index with any revised sheets noted as revised” to “Accurate and complete index of all sheets for the project including clear identification of most up to date sheet version (including set title and date).”
- 1.c.vi. Added new Bullet point: “Include UGA location map showing at least one major road or intersection on cover sheet ( campus maps are available for download at [link](#))
- 1.C.x. Edited: “2007” to “2013”
- 1.C.xii. Removed “Hard copy drawings shall be full size black line on white bond reproductions and be bound. Specifications shall be 8.5”x11” and bound.”

00 00 12 – Client & End User Interface

- 1.A. Edited: “Owners Representative” to “UGA Project Manager”

00 00 13 – Designing Learning Environments

- 6.0 Added: “It is strongly preferred that accessible seating in tiered classrooms be arranged in a distributed manner, i.e. not exclusively located at the front or back of the room.”

01 41 26.04 – Fire Marshal Construction Inspection Requirements

- 1.F.ix.1. Edited: “ 2010” to “current edition of”

01 81 00 – Facility Performance Requirements

- 1.E.i.a. Removed “Design Professional shall be held accountable for meeting 10% or greater energy savings over ASHRAE 90.1 – 2010 Appendix G.”
- 3.A. Edited Table, removed “Mechanical, electrical, and plumbing energy related design complies with ASHRAE Standard 90.1-2010, with exception of programmable power receptacles. “

01 58 00 – UGA Campus Signage Standards

- 4.A. Edited: “shall identified accordance with relevant naming / memorial policies and designed, ordered, and installed only after approval procedures have been completed.” to “shall be identified in accordance with relevant naming / memorial policies and designed, ordered, and installed only after approval procedures have been completed. Development officers should work with OUA when determining appropriate size and design of recognition signage.”
- 4.B. Added New Bullet Point: “Use of Logos”
- 4B.i. Added: “Use of the official UGA logo in donor recognition graphics should conform to the style guide available through the UGA Division of Marking and



Communication Office at

[http://styleguide.uga.edu/index.php?/entries/logo\\_guide\\_and\\_downloads](http://styleguide.uga.edu/index.php?/entries/logo_guide_and_downloads)

- 4.B.ii. Added: “No commercial or corporate logos or other branding imagery is permitted in association with campus donor recognition graphics. In special circumstances, use of logos on interior recognition plaques may be approved by the Office of the President

#### 04 00 00 – General Masonry Requirements

- 3.C.vi. Added: “Interdisciplinary STEM Research Buildings 1 and 2 (Bldg. #s 1131 and 1132)\_ : Cherokee Brick Velour Flash Holcim 200 Ivory Buff grout”
- 3.C.vii. Added: “Reed Plaza: Cherokee Brick Old Birmingham”
- 3C.viii. Added: “Sanford Stadium West End: Boral Bricks Mt. Vernon”
- 3.C.ix. Added: “New First Year Residence Hall (Bldg. # 2264): Cherokee Old Birmingham Holcim Antique Buff”

#### 05 52 00 – Metal Railings

- 1.C. Added: “Final engineering and design of hand rails and guard rails shall be included in the scope of the Design Professional.”

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

- 1.B.g. Added: “at least”

#### 08 71 00 – Door Hardware

- 2.A.v. Edited: “lockset or as directed by Project Manager” to “ lockset, (4) for Housing only, or as directed by UGA PM”
- 2.B.ii.c. Added: “Shall be used as Basis of Design for Housing projects”
- 2.B.i.a. Added: “Basis of Design”

#### 09 00 00.1 – Custodial Storage

- 1.B.ii. Added: “In buildings where custodial activities are anticipated to be more intensive due to programmatic requirements, Project Manager shall consult with the FMD Services Director to determine the need for a potentially larger Custodial Storage Room and specialized equipment.”
- 1.H.v. Added: “Housing Only: Shelving is Owner-furnished, Owner-installed.”

#### 09 20 00 – Plaster & Gypsum Board

- 2.F. Removed:  
“F. For UGA Housing Only (New Construction)  
i. Abuse resistant, impact-resistant gypsum board for all public spaces, corridors, and student residential rooms.



- ii. Joint treatment and wall finish shall be level 5 finish for all painted walls in accordance with the “Recommended Specification: Level s of Gypsum Board Finish” as published by the Gypsum Association and level 4 finish for all painted ceilings.
- iii. Joint tape shall be paper tape as approved by abuse-resistant panel manufacturer.
- iv. Corner reinforcement shall be galvanized steel with 1 ¼-inch wide fine expanded mesh flanges.”

#### 09 91 23 – Interior Painting

- 2.D.iv. Added: “(For example, student rooms and corridors will always be semi-gloss.)”

#### 10 28 00 – Toilet, Bath, and Laundry Accessories

- 2.D Removed in entirety the previous 2.D “Hand Dryers”. New 2.D is existing “Toilet and Bath Accessories – For UGA Housing Only (New Construction)”
- 2.D.ii.a. Added: “(Owner-furnished/ Owner-installed)”
- 2.D.ii.c. Added: “(Owner-furnished/ Owner-installed)”
- 2.D.ii.d. Added: “(Owner-furnished/ Owner-installed)”
- 2.D.iii.a. Added: “(Owner-furnished/ Owner-installed)”
- 2.D.iii.b. Added: “(Owner-furnished/ Owner-installed)”

#### 11 53 13 – Laboratory Fume Hoods

- 1.G. Added: “Fume hood performance shall be scheduled on the mechanical drawings (total hood cfm, including bypass, required to achieve design face velocity).”

#### 14 20 00 – Elevators

- Added:
  - “2.E Video Monitoring System
  - i. Basis of Design: RATH SMARTVIEW Two-Way Elevator Visual Communication System.
  - ii. System shall meet the ASME A17.1 and B44 2019 code requirements for visual communications as well as the requirements for the current adopted edition of the IBC.
  - iii. System shall provide a secure connection to cloud software and allows for monitoring of the system. The monitoring agency (UGA PD) is able to receive a standard elevator call, and, if no answer, utilize the video monitoring system to view the elevator. If the elevator car is occupied then the monitoring agency can then send a text type message to the display in the car and receive a Yes/No response.
  - iv. The system shall meet the following requirements:



1. Standard Elevator Phone: For passengers who are able to communicate verbally with emergency personnel.
  2. Display: If a passenger is not able to verbally respond, emergency personnel can post a message on the display in the car.
  3. Message Response: Ability to provide a YES/NO response back to emergency personnel.
  4. One-Way Video: Emergency personnel can view the elevator car to see if someone is in the elevator who cannot verbally respond.
- v. System Installation/Configuration Requirements:
1. Single pair 18AWG (shielded or unshielded) wire per elevator in the traveling cable
  2. Internet access via direct network connection
  3. 1 Pair Ethernet Extenders per elevator (by system manufacturer)
  4. Laptop for system setup and test"
- Added:
    - "2.F Limited Use/Limited Application (LULA) Elevators
      - i. Requirements
        - a. LULA elevator product and components provided shall be non-proprietary in nature.
        - b. Design and installation shall comply with ASME A17.1/CSA B44 as well as accessibility requirements for LULA elevators noted in the current adopted ADA Accessibility Guidelines and ICC A117.1
      - ii. Basis-of-Design (subject to compliance with requirements):
        - a. Symmetry Elevating Solutions LULA Elevator, or comparable product by one of the following:
        - b. American Crescent Elevator Mfg. Corp.
        - c. Cambridge Elevating
        - d. Cemcolift, Inc.
        - e. Garaventa Lift.
        - f. Savaria"

#### 21 00 00 – General Fire Suppression Requirements

- 1.E. Added: "Flexible sprinkler piping/heads are not allowed above hard ceilings."

#### 22 00 00 – General Plumbing Requirements

- 1.G. Edited: "guards are preferable if they are a viable solution" to "guards shall be used as the basis of design."
- 1.N. Added: "Installation of residential-type dishwashers is prohibited. In cases where there is adequate reasoning, a variance must be submitted and approved prior to incorporation into the design. "

#### 22 40 00 –Plumbing Fixtures



- 2.C.iv. Edited: “Moen” to “Delta”

#### 23 00 00 – General Mechanical Requirements (HVAC)

- 1.C.xxv. Added: “FCU (CHW or mini-split) condensate may be drained to the outside but must not create a nuisance on the building enclosure, the site, or hardscape.”
- 1.C.xxvi. Added: “All mechanical rooms containing “cold equipment (equipment utilizing chilled water), or electrical rooms shall be mechanically cooled rather than ventilated.”
- 1.C.xxvii. Added: “Mechanical rooms shall be provided with a hose bibb(s) for maintenance purposes.”
- 1.C.xxviii. Added: “When AHUs are installed in penthouses, the penthouse shall be designed with multiple floor drains, sloped floors, and/or coated with epoxy coating as necessary to mitigate the possibility of water leaks damaging occupied spaces below.”

#### 23 05 53 – Identification For HVAC Piping Equipment

- 3.E. Added to table: Process Water line

#### 23 07 19 – HVAC Piping Insulation

- 2.B. Edited: “ITW” to “John Manville”

#### 23 09 23 – Building Automation and Temperature Control System (BAS)

- 1.Q. Added: For critical applications, in lieu of a "power trunk", provide a minimum 40va, 24vac control transformer from the factory for each terminal unit, to be wired by Division 26 subcontractor in the field with a toggle switch disconnect.
- 1.R. Added: “Control devices shall be provided with disconnects and shall be wired such that any device can be removed from the circuit without causing other devices on the same circuit to be de-energized.”
- 1.S.i Added: "If an MDF/IDF room is served by a mini-split AC unit, a sensor shall be added to the space that connects to the BAS for temperature monitoring only.”

#### 23 36 01– VAV Terminal Units

- 2.E. Added: “Terminal unit air dampers shall be the butterfly-type, and shall not be opposed blade damper type.”
- 2.F. Added: “Alternatively, terminal units may be double wall with fiberglass insulation. Discuss with Project Manager.”

#### 23 64 16.13 – Air-Cooled Water Chillers

- 1.H. Added: “Air-cooled chillers with micro-channel condensers shall be provided with 10 years parts and labor warranty for the condenser.”



23 64 16.16 – Water-Cooled Water Chillers

- 2.A.iv. Added: “Trane”

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

- 2.A.xiv.h.3. Added: “UV lights dosage shall be increased to account for air-borne pathogens such as COVID-19 in recirculating air systems. Discuss with Project Manager.”
- 2.A.xviii.g. Added: “Ductwork and ERU/ERV layout shall coordinate to allow for proper air distribution across energy recovery medium for maximum benefit.”

23 74 00 – Packaged Outdoor HVAC Equipment

- 1.E. Added: “Packaged units that provide both ventilation air and control space temperature shall be provided with the means to automatically maintain space humidity below 60% RH, either with hot gas reheat, or other approved means.”
- 1.G. Added: “Packaged AC equipment shall be provided with integral disconnects.”

26 00 00 – General Electrical Requirements

- 1.C. Edited: “is to” to “shall”
- 1.E.viii. Added: “and demand”

26 32 00 – Packaged generator Assemblies

- 2.G. Added: “New generators shall not be specified with attached load banks, however an extra spare 100% circuit shall be provided on all new generators.”

26 41 00 – Facility Lightning Protection

- 1.D. Edited: “lightning Society of America’s” to “ shall be installed in a manner that allows a UL Certification to be obtained”

26 53 16 – Lighting Poles and Standards

- 2.E1.a. Updated E1.a fixture from [L80-011]-[72W32LED4K-T-AC-CS-LE3/LE5-UNV-DMG-SF80-[PH7-001]-BKTX] to current [L80-032]-[55W32LED4K-010]-G3-AC-CS-LE3/LE5-UNV-DMG-SF80-[PH7-001]-BKTX], and updated associated product cutsheet information.

27 05 43 – Underground Ducts & Raceways for Communication Systems

- 2A.ii. Edited: “nylon pull cord installed with a minimum test rating of 200 lbs” to “woven polyester pull tape with minimum test rating of 1500lbs”

31 00 00 – General Excavation Requirements

- Added:  
“1. GENERAL



- A. Related sections:
  - i. 00 00 08 – Design Professional Documentation Requirements and Deliverables
  - ii. 01 33 00 – Submittal Procedures
  - iii. 02 40 00 – Demolition
- B. In order to assist archaeologist for projects in the North Campus district in Athens, design professional shall provide a separate drawing that shows the extents of excavated areas – in particular showing all utility trenches, footings, other anticipated areas of excavation, and other anticipated subsurface disturbance.
- C. For projects in the North Campus district in Athens, Contractor shall provide, as part of the submittal package, a comprehensive excavation plan showing all layback areas and extents of ground disturbance.”

#### 33 00 00 – General Utilities Requirements

- 1.B. Added: “Contractor shall install and make operational the applicable utility revenue meter and notify FMD Utility and Energy Management prior to using any utility where UGA is the utility provider. Any un-metered utility use will be estimated by UGA based on the peak design usage rate applied over the period in which un-metered usage begins until the utility revenue meter is fully functional and FMD-energy services is notified.”