

General Information

Chapter titles and the order of chapters did not change for the 2022 version. New second-level subsections were added to chapters 2, 4, and 7. The Building Automation System section (6.3) was revised by an outside source. A new appendix for BAS was created during the section revision. Applicable changes and updates from the VA CPSM 2021 Rev-1 have been incorporated and are identified in the summary.

The summary of changes is organized using the section numbers from the 2022 version. Where section numbers or points from lists changed from the 2021 R1 to the 2022 version, references to the locations in the 2021 R1 version are in parentheses. Changes to specific points on lists are identified with the number for that point.

For example, requirements for identifying design aspects mandatory for environmental initiatives were moved from two sections in the 2021 R1 version to a point in another section of the 2022 version. In the summary of changes, 1.8, #3 (2021 R1, 6.2.4, #1 and 6.8.1, #12) indicates that point #1 in section 6.2.4 and point #12 in section 6.8.1 of the 2021 R1 version are combined now into point #3 in section 1.8 of the 2022 version.

Summary of Changes from the 2021 Revision 1 Version to the 2022 Version

INTRODUCTION

- Expanded the applicability of the DCSM to more users.
- Updated the contact information.

CHAPTER 1 – GENERAL REQUIREMENTS

- 1.2.1: Added subsections to General to accommodate new topics. All text in this section was placed under 1.2.1.1.
 - 1.2.1.1 (2021 R1, 1.2.2): Created a Program Goals subsection for all the text that was in the General section. Moved the sentence about color selection approval by OUP to section 1.5.4.4.
 - 1.2.1.2: Created an Alternate Location Design Requirements subsection to address design requirements for projects locations with already established design standards.
 - 1.2.1.3 (2021 R1, 4.4): Created a Signage subsection. Moved general signage requirements (applicable to both interior and exterior signage) from the Exterior Signage section (2021 R1, 4.4) to this new section. Removed the signage manufacturer name and the quality statement. Removed the description of requirements for the signage package. Added references to signage in other sections of the DCSM.
- 1.2.5: Renamed header from Sustainability to Sustainable Design. Added a reference to reduced-carbon concrete using blended cement in section 5.3.
- 1.2.5.1: Renamed header from Sustainable Design to LEED Certification.

- 1.2.6 (2021, 1.2.5.2): Elevated the Waste Management section to the third level.
- 1.3.8.3 - Renamed header to Permits for Temporary Structures. Added a list of general requirements and four subsections to align the standards with the requirements from the Office of the University Building Official and Virginia Tech Policy No. 5406. Removed the paragraph about occupancy. Included the types of temporary structures requiring permits, source documents for requirements, and the application deadline.
 - 1.3.8.3.1: Created a Length of Use subsection to address when the AARB must approve a structure.
 - 1.3.8.3.2: Created a Location and Erection of Structure subsection with requirements about clearance distances, underground utilities, and timing for structure erection and takedown.
 - 1.3.8.3.3: Created a Submittals for Permits subsection with requirements for site plans, engineered plans, floor plans, and certificates of flame resistance.
 - 1.3.8.3.4: Created a Safety and Inspection subsection addressing prohibited devices, wind predictions, and UBO inspections.
- 1.5.4.1: Added Hokie Stone specifications to the project manual contents.
- 1.5.4.2.2 and 1.5.4.2.3: Removed VT CPSM section numbers to avoid conflicts during VT CPSM revisions.
- 1.5.4.4: Relocated the sentence about color selection approval by OUP from section 1.2.1.1.
- 1.7.2.3.2, Table 1-3: Updated language for the Employee Work Areas and Identification of Accessible Parking Spaces. This requirement was added in the VA CPSM 2021 Rev-1.
- 1.7.3.5.1, #4: Removed the sentence about privacy indicators. Occupancy indicator requirements have been added to the 2018 Building Code.
- 1.8: All third-level subsections in 2021 R1 were incorporated in the list in this section or moved to sections 6.2 or 7.4. Added the statement that commissioning starts with the design and extends through construction to occupancy.
- 1.8, #3 (2021 R1, 6.2.4, #1 and 6.8.1, #12): Moved the requirement for the A/E to provide information on required design aspects for environmental certification goals and to indicate those aspects on drawings.
- 1.10.2.2: Changed the Value Engineering Utilization report due date to July 15. This requirement was added in the VA CPSM 2021 Rev-1.
- 1.10.3: Added the Annual Permit Activity Report section with the reporting requirement, reporting frequency, and general instructions. This requirement was added in the VA CPSM 2021 Rev-1.
- 1.10.4 Added the State One- and Two-Family Dwelling Inspection Report with the reporting requirement, reporting frequency, and general instructions. This new section referred to CPSM section 4.19.5 and requirements from this section about timing for inspections and

data required for reports have been included. This requirement was added in the VA CPSM 2021 Rev-1.

CHAPTER 2 – DOCUMENT AND DRAWING REQUIREMENTS

CAD drawing requirements were clarified. References to CAD drawings were changed to be specific to AutoCAD, Revit, or CADD (when both drawing types are applicable).

- 2.3: Created a Space Data section and inserted it as section 2.3. All second-level sections after this one incremented higher.
 - 2.3.1 (2021 R1, 2.7.13): Moved Room Numbering Guidelines to this section and renamed as Room Numbering. Reorganized the text into one list and removed all references to space numbers (2021 R1, 2.7.13.3, #1 and #2). Deleted 2021 R1, 2.7.12.1, #9, and limited AutoCAD file acceptance to the current version and versions up to five years prior. Added Space Data in the coordination of room numbering in the schematic design phase. Added requirement to finalize room numbering in the preliminary design phase.
 - 2.3.2 (2021 R1, 2.7.12 and 2.7.12.1): Moved the Floor Plan Standards text and the Scope of Work subsection to this section and named it Floor Plan Drawings. The remaining sections from Floor Plan Standards (2021 R1, 2.7.12.2 - 2.7.12.5) were moved to AutoCAD Drawings, 2022 section 2.8.6.
 - 2.3.2, #3 (2021 R1, 2.7.12.2.2, #9): Moved the requirement to verify the accuracy of room numbers.
- 2.4 - 2.9 (2021 R1, 2.3 - 2.8): These section numbers incremented higher after the new section 2.3 was added.
- 2.4 (2021 R1, 2.3): Renamed header to Design Drawing Requirements. Referenced the new Plan Changes section in 2.7.6.
- 2.4.3 (2021 R1, 2.3.3): Renamed header to Size of Drawings. Deleted the requirement about the weight of drawing sets.
- 2.7.6: Created a Plan Changes section.
- 2.8 (2021, 2.7): Renamed the header from Computer-Aided Design (CAD) Standards to Computer-Aided Drafting and Design (CADD) Standards and made several changes within the section. Organized the AutoCAD requirements shifting several 2021 R1 third-level sections to fourth-level sections for 2022.
 - Added requirements for all submittals to follow the DCSM and for primary A/E firms to enforce the DCSM standards with secondary A/E firms.
 - Deleted the Model and Paper Space Usage section (2021 R1, 2.7.6).
 - Moved sections from Floor Plan Standards (2021 R1, 2.7.12.2 - 2.7.12.4) to the AutoCAD Drawings, 2022 section 2.8.5.

- 2.8.1 (2021 R1, 2.7.11): Added the statement that depending on the size and scope of the project, certain AutoCAD drawings may not be required and specific requirements should be coordinated with the VT PM and Space Data.
 - 2.8.1, #3 (2021 R1, 2.7.11, #3): Added requirement for space management floor plan drawings to be provided at the beginning of construction and at substantial completion of each structure in a construction project involving multiple structures.
 - 2.8.1, #4 (2021 R1, 2.7.11, #4): Removed the time requirement for Record Drawings.
- 2.8.2 (2021 R1, 2.7.10): Changed the header to Record Documents File Submittal. Removed 2021 R1, 2.7.10, #1 from the list. Points following this in the list decreased by one number. Updated the name of the Record Document Submitted form and removed the description of information needed on the form. Deleted the reference to hard copy sets of drawings.
- 2.8.3 (2021 R1, 2.7.12.5): New section number. Added reference to 2022, 2.3 and 2.4.12 for quality standards for rooms and floors.
- 2.8.4 (2021 R1, 2.7.1): Changed the section header to Drawing Files. Added requirement for PDF files to be included with all AutoCAD and Revit files. Removed statement about DXF and PDF files substituting for DWG files. Referenced 2022 section 2.3.2 for filename convention.
- 2.8.5 (2021 R1, 2.7.2 - 2.7.9 and 2.7.12.1 - 2.7.12.4): Revised to organize points specific to AutoCAD drawings and to consolidate and remove repeating text in many subsections. Renamed section headers throughout. Relocated points from the Drawing Composition section (2021 R1, 2.7.2, #1 - 6) into 2022, 2.8.5 (2021 R1, 2.7.2, #1 and 2), 2.8.5.1 (2021 R1, 2.7.2, #6), and 2.8.5.2 (2021 R1, 2.7.2, #3-5); deleted the remaining text and section.
 - 2.8.5.1 (2021 R1, 2.7.12.2.1 and 2021 R1, 2.7.2, #6): Removed the general description point (2021 R1, 2.7.12.2.1, #2). Defined the FICM acronym. Moved the survey data requirement (2021 R1, 2.7.2, #6) to this section.
 - 2.8.5.2 (2021 R1, 2.7.4 and 2.7.2, #3-5): Reduced introductory text and relocated layer requirements (2021 R1, 2.7.2, #3-5) to this section.
 - 2.8.5.3 (2021 R1, 2.7.5): Reduced introductory text.
 - 2.8.5.4 (2021 R1, 2.7.12.2.2): Removed the requirements about room numbering in 2021 R1, 2.7.12.2.2, #9; this point is already included in 2.3.2, #3.
 - 2.8.5.4, Table 2-2 (2021 R1, 2.7.12.4): Moved Table 2-2 to 2.8.6.4 and deleted the fourth-level Layer Standards section header (2021 R1, 2.7.12.4).
 - 2.8.5.5 (2021 R1, 2.7.12.3) - Consolidated repeating text for polylines in the subsections to higher section levels.
 - 2.8.5.5.1 (2021 R1, 2.7.12.3.1 and 2.7.12.3.2): Consolidated and moved repeating text in subsections for exterior and interior gross polylines to this section.
 - 2.8.5.5.1.1 and 2.8.5.5.1.2 (2021 R1, 2.7.12.3.1 and 2.7.12.3.2): Removed repeating text.

- 2.8.5.5.2 (2021 R1, 2.7.12.3.3): Removed repeating text.
- 2.8.5.6 - 2.8.5.9 (2021 R1, 2.7.3 and 2.7.7 - 2.7.9): New section numbers.
- 2.8.5.7 and 2.8.5.9 (2021 R1, 2.7.7 and 2.7.9): Reduced introductory text for these sections.
- 2.9: Minor change to header name.

CHAPTER 3 – SAFETY AND SECURITY

- 3.4: Updated the part number for the Knox Box. Added the requirements for keying the dual lock. Added the statement that Knox Boxes may be provided by Virginia Tech.
- 3.10.7.5, #4: Removed the requirement for a complete system test at six months.
- 3.10.8.1, #6.a: Added requirement for installation of concrete splash blocks below sprinkler auxiliary drains.
- 3.10.8.6: Changed requirement to nitrogen-filled black steel pipes for dry-pipe sprinkler systems.

CHAPTER 4 – SITE DEVELOPMENT

- 4.1: Created a GIS and Surveying section and added it as the new section 4.1. All second-level sections after this one incremented higher by one number. Provides content and file submittal requirements for survey plats or maps. Includes three subsections with requirements for surveying phases, surface location and topographic surveys, and subsurface utility locations.
- 4.2 (2021 R1, 4.1) and 4.3 (2021 R1, 4.2): These section numbers incremented higher after the new section 4.1 was added.
- 4.3.6 (2021 R1, 4.2.6): Added statement that lawn restoration is a one-time action performed at project closeout. Added requirements for biodegradable erosion control for seeded area mulching.
- 4.4 (2021 R1, 4.3) and 4.5 (2021 R1, 4.4): These section numbers incremented higher after the new section 4.1 was added.
- 4.5 (2021 R1, 4.4): Changed header to Exterior Signage. Moved general signage standards to the new signage section (1.2.1.3).
 - 4.5, #1 (2021 R1, 4.4 #1 and #4.a): Organized points about the exterior signage standards, the use of specific product components, and the use of the university mark. Added a reference to details of updated exterior sign standards in the VT Design Standard Detail Library.
 - 4.5, #2: Added the requirement for mechanical fastening for exterior signage.
- 4.6 (2021 R1, 4.5), 4.7 (2021 R1, 4.6), and 4.8 (2021 R1, 4.7): All these sections incremented to higher numbers after the new section 4.1 was added.
- 4.7: Minor change to header name.

- 4.8.2, #1.d (2021 R1, 4.7.2, #4): Added HDPE pressure pipe to the list of water line materials. The requirement to use the HDPE pressure pipe for water lines 2" and smaller was retained in 2022, 4.8.2, #4 (2021 R1, 4.7.2, #4).
- 4.8.2, #1.e: Added the requirement for copper pipe to be transitioned to a different material inside the building.
- 4.8.2, #5 (2021 R1, 4.7.2, #5): Removed the reference to chilled water lines in this section and moved it to the chilled water distribution section.
- 4.8.8: Added the requirement for linear globe valve use for bypass chilled water control valves.
- 4.8.8.1, #5 (2021 R1, 4.7.2, #5): Added requirement for tracer wire in chilled water lines to this section. This duplicates the point in 2022 section 4.8.2, #5.
- 4.8.8.1, #6: Added prohibition on concrete supports placed behind saddles for taps.
- 4.8.9: Added requirement for steam vaults to be ventilated.
- 4.8.11.3, #1.j: Added prohibition on concrete supports placed behind saddles for taps.
- 4.8.12, #2.g-k (2021 R1, 4.7.12, #6.a-e): Moved points to combine both steam trap sections into one section.
- 4.9 (2021 R1, 4.8): Section number incremented higher after the new section 4.1 was added.
- 4.9.2, #7 (2021 R1, 4.8.2, #7): Changed the requirement for detectable warning surfaces (truncated domes) to comply with the ADA standards.
- 4.9.6, #3 (2021 R1, 4.8.6, #3): Removed the detectable warning surfaces (truncated domes) from this point.
- 4.9.6, #4: Added requirement for crosswalks to follow the Accessibility Requirements section, 4.9.2.
- 4.9.9: Created an Electric Vehicle Charging Stations (EVCS) section. Requirements for EVCS were added to the VA 2021 CPSM Rev-0.
- 4.10 (2021 R1, 4.9): Section number incremented higher after the new section 4.1 was added.

CHAPTER 5 – BUILDING

- 5.1: Changed to current accepted version of ASHRAE Standard 90.1.
- 5.1.1.2: Updated the requirements and reorganized this section. Expanded the requirements for ultrasonic and electromagnetic flowmeters and added a point for installation. Updated the basis of design products.
- 5.1.1.3 (2021 R1, 5.1.1.3 and 5.1.1.4): Combined the high pressure steam and low pressure steam sections from the 2021 R1 into one steam section for 2022 and removed the duplicate text. Added a point for installation. Updated the accuracy of the flow element and maximum flow turndown. Updated the basis of design products.

- 5.2: Minor change to section header.
- 5.3, #13: Added requirements for cement including a blended cement.
- 5.5.6.4, #5: Added the requirement for equipment and conduit to be installed in coordination with the roofing manufacturer or installer to prevent damage to the roof.
- 5.6.2, #2: Added the requirement for OUP to be consulted on the final snow guard selection. Points after this one incremented higher in number.
- 5.11 (2021 R1, 4.4, #1, #2, and #6): Expanded section to include points from the 2021 R1 signage section.
 - 5.11, #2: Added the requirement for interior room numbering signs to match the final room numbering on the drawings.
 - 5.11, #4: Added sign installation requirements.
- 5.15.4: Rearranged the order of points in the section after removing the requirement for elevator cab floors (2021 R1, 5.15.4, #4).
- 5.15.4.4, Table 5-3: Removed the tufted yarn weight requirement.

CHAPTER 6 – BUILDING SERVICES

- 6.2: Major revision of section; coordinated text with 2022 sections 1.8 and 7.4. Third-level subsections (2021 R1, 6.2.1, 6.2.2, and 6.2.3) were changed into a list. Subsection 2021 R1, 6.2.4 was removed; the concepts are restated in other sections of the DCSM [1.8, #3 (2021 R1, 6.2.4, #1); 7.4, #5 (2021 R1, 6.2.4, #2); 6.3.5 (2021 R1, 6.2.4, #3)].
 - 6.2, #2 (2021 R1, 6.2.1): Project closeout text (2021 R1, 6.2.1, #6) was relocated to the new 2022 section 7.4, #8. Chemical treatment text (2021 R1, 6.2.1, #7.b) was relocated to 2022, 6.7.24, #2.
 - 6.2, #3 (2021 R1, 6.2.2): Changed text into a list. Deleted chairlifts.
 - 6.2, #4 (2021 R1, 6.2.3): Removed duplicate text and added a reference to laboratory design, 2022 section 5.18.
- 6.3: Complete replacement of BAS section; text revised for Virginia Tech by outside group. New Appendix J created during that revision.
- 6.4, Table 6-6: Changed Category 6 to Category 6A in table title.
- 6.5: Major revision of section; the list in 2021 R1 was converted to more subsections and smaller lists. The walk-off flooring requirement was removed (2021 R1, 6.5, #19). The drawing requirement for elevator machine rooms (2021 R1, 6.5, #20) was removed and added to the Special Requirements working drawing checklist.
 - 6.5.1 (2021 R1, 6.5, #1 and #4): Created an Applicable Code subsection.
 - 6.5.2 (2021 R1, 6.5.3 and 6.5.4): Created an Alternate Conveyances subsection.

- 6.5.3 (2021 R1, 6.5, #2.a, #2.e, #2.f, #11, and #15): Created a Contractor Requirements subsection.
- 6.5.4 (2021 R1, 6.5, #6, #7, and #10; 2021 R1, 6.7.1, #12): Created an Elevator Type and Quantity subsection. Moved the requirement for freight-sized elevator service to the penthouse from 2021 R1, 6.7.1, to this section. Expanded requirements for elevators to accommodate ambulance stretchers.
- 6.5.5 (2021 R1, 6.5, #13, #22, and #27-31): Created a Mechanical, Electrical, and Communications subsection.
- 6.5.6 (2021 R1, 6.5, #12, #14, #21, and #26; 2021 R1, 6.5.1 and 6.5.2): Created an Elevator Pits, Equipment, and Machine Rooms subsection. Added text about providing disconnect switches per section 6.8.2.4.
- 6.5.7 (2021 R1, 6.5, #8, #9, #16-18, and #23-25; 2021 R1, 6.9.2, #8): Created a Cabs and Lobbies subsection. Relocated text about luminaries for lobbies (2021 R1, 6.9.2, #8) to this section.
- 6.5.8 (2021 R1, 6.5, #3 and #5): Created a Warranty and Maintenance subsection.
- 6.5.9 (2021 R1, 6.5, #2.a-d): Created a Record Document Submittals subsection. Added the requirement for all documents to be provided as electronic and hardcopy.
- 6.6: Removed the Materials and Systems subsection (2021 R1, 6.6.6) because the text duplicated the text in Steam and Condensate Piping and Pumps, section 6.7.21.
- 6.6.6 (2021 R1, 6.6.7), 6.6.7 (2021 R1, 6.6.8), and 6.6.8 (2021 R1, 6.6.9): All these sections changed to lower numbers when 2021 R1, 6.6.6 was removed.
- 6.7: Moved paragraph about O&M manuals and other manufacturer documents to 2022 section 7.4, #6.
- 6.7.1: Changes within this section include the addition of four new points to the list. Many points in the list incremented to higher numbers. The requirement for an elevator to access the penthouse (2021 R1, 6.7.1, #12) was relocated to section 6.5.4.
 - 6.7.1, #10: Added the requirement for protective pipe shields to be installed at the same time the pipe insulation is installed. This was inserted into the list as a new point #10. Points following this addition incremented higher.
 - 6.7.1, #13: Added minimum wall thickness requirements for hot and chilled water coils.
 - 6.7.1, #14 (2021 R1, 6.7.42.7, #2): Relocated coil tube thickness requirement for steam coils to the list in this section.
 - 6.7.1, #15: Added requirement for all terminal equipment to have modulated valves for heating and cooling.
 - 6.7.1, #16: Added minimum pressure requirements for all coils.
 - 6.7.1, #17: Added prohibition on the use of steel coils.

- 6.7.1, #26.c (2021 R1, 6.7.1, #20.c): Added permissible use of DX systems in buildings without central chilled water systems of central HVAC. Rearranged the text for readability.
- 6.7.11, #1: Inserted specification that supply air ducts downstream from an air handler are treated with the antimicrobial substance.
- 6.7.12, #1: Added the requirement for the Contractor to take responsibility for all TAB scheduling and for the TAB contractor to be a subcontractor of the mechanical contractor. Points in the list after this one incremented to a higher number.
- 6.7.14, #1: Changed the word ridge to rigid for the exterior duct insulation.
- 6.7.21: Several changes for the subsections.
 - 6.7.21.1, #1: Specified steam lines that use the campus utility. Added temperature and working pressure ratings requirements for devices in buildings.
 - 6.7.21.2, #2: Specified flash tank. Prohibited use of condensate pump receiver for flash steam. Added reference to the Steam Piping Specialties section, 4.8.12.
 - 6.7.21.2, #12: Updated requirements for pressure and changed the low and high pressure values.
 - 6.7.21.3, #4: Added a prohibition on the use of steam pump traps.
 - 6.7.21.3, #5: Added requirement to reduce high pressure steam with pressure reducing valves and provide the basis of design.
- 6.7.24, #2 (6.2.1, #7.b): Relocated chemical treatment requirements.
- 6.7.30, #2: Changed text to prohibit fan powered VAV boxes except for replacing existing units for maintenance or as part of smaller projects.
- 6.7.42.7, #2 and #3 (2021 R1, 6.7.42.7, #3 and #4): Points decreased in number when the requirement for steam coils tube thickness was moved to section 6.7.1.
- 6.8.1, #12-15 (2021 R1, 6.8.1, #13-16): These points decreased in number when 2021 R1, 6.8.1, #12 was relocated to 2022 section 1.8, #3.
- 6.8.1, #15.j (2021 R1, 6.8.1, #16): Added point to list to prohibit the use of MC cabling. The points after this incremented higher.
- 6.9.2, #6 (2021 R1, 6.9.2, #6-8): Grouped the points about luminaries. Moved the point for elevator lobbies to section 6.5. Points after these decreased to lower numbers [6.9.2, #7-10 (2021 R1, 6.9.2, #9-12)].

CHAPTER 7 – CONSTRUCTION RELATED ACTIVITY

- 7.4: Added a Contractor Responsibilities for Commissioning section and inserted it as 7.4 for the 2022 version. This section includes text from 2021 R1 sections 1.8 and 6.2. The paragraph from 2021 R1 section 6.7 was moved to this section.

- 7.4, #1 (2021 R1, 1.8): Clarified the requirements for the occasions when a Contractor is required to hire the Commissioning Agent.
- 7.4, #2, #3, and #8 (2021 R1, 1.8.4 and 2021 R1, 6.2.1, #5 and #6): Requirements to fully support the commissioning process and tests to reach satisfactory completion and acceptance.
- 7.4, #4: Added a requirement for the fire damper installation contractor to perform full inspections at commissioning and one year after the commissioning of fire dampers.
- 7.4, #5 (2021 R1, 6.2.4, #2): Coordination on energy metering.
- 7.4, #6 (2021 R1, 6.7): Requirements for O&M manuals and supporting documents.
- 7.4, #7 (2021 R1, 1.8.6): Requirements for training university personnel on the operation and maintenance of major equipment and controls.
- 7.9.3: Added a Project Laydown section with subsections of Laydown Area Locations and Laydown Area Assignment.

CHAPTER 8 – INSPECTIONS AND OCCUPANCY

- No significant changes in this chapter.

APPENDICES

- Appendix J – BAS Standards: Sequence of Operations

DETAILS

- Detectable Warning Surfaces Detail: Removed in favor of text added to DCSM section 4.9.2 to require that detectable warning surfaces comply with ADA standards.

CHECKLISTS

- All checklists were updated with section number changes for the 2022 DCSM. For example, the section number changes in chapter 2: 2.4 (2021 R1, 2.3); 2.5 (2021 R1, 2.4); 2.6 (2021 R1, 2.5).
- Preliminary Drawings:
 - Structural: Added requirement to provide the building height (Hn) and the fundamental period (T) used for the seismic criteria. This requirement was added in the VA CPSM 2021 Rev-1.
 - Plumbing, Mechanical (HVAC), and Electrical: Added requirement to provide room numbers on the floor plans. This requirement was added in the VA CPSM 2021 Rev-1.
- Working Drawings:
 - Site and Civil Plan:
 - Added requirements for splash blocks (general section).

- Added requirements to show spot elevations along the pavement edges, intersections, and slope transitions for sidewalks (pavement and associated work section).
- Structural: Added requirement to provide the building height (H_n) and the fundamental period (T) used for the seismic criteria. This requirement was added in the VA CPSM 2021 Rev-1.
- Plumbing, Mechanical (HVAC), and Electrical: Added requirement to provide room numbers on the floor plans. This requirement was added in the VA CPSM 2021 Rev-1.
- Fire Protection and Safety Systems: In the Applied Fire Resistant Materials subsection, changed the requirements in two checklist points regarding the minimum distance of sprayed-on fireproofing from the junction of members. This requirement was added in the VA CPSM 2021 Rev-1.
- Special Requirements: Added requirements for elevator machine rooms (elevator section).
- General Requirements: Added requirements for environmental initiative documentation.
- Submittal Requirements for all drawing phases: Added several requirements for plan set preparation including labeling, bookmarking, and hyperlinking. Supplemental PDF files with plan sheets grouped by discipline are required and a complete list of designated design elements must be included with the master drawing set and any applicable groups of discipline plans.
- Title Sheets for all drawing phases: Added three requirements from VA CPSM 2021 Rev-1.
 - Identify the part of the VUSBC used for the basis of design (Part I VCC or Part II VEBC).
 - Identify the work classification for designs based on Part II VEBC.
 - Provide the University-approved delegated design list.
- General Requirements for narratives in all phases: Added the requirement to provide bookmarks in the narrative for all major design elements and disciplines.

FORMS

- Record Documents Submitted: Added the Plans Library email address and phone number. Added checkboxes to distinguish between AutoCAD DWG, AutoCAD DXF, and Revit submittals.
- CADD Quality Assurance Checklist: Added checkboxes to distinguish between AutoCAD DWG, AutoCAD DXF, and Revit submittals. Updated the DCSM section numbers for the 2022 DCSM.