

Summary of Modifications/Changes in this Update

This Summary of Changes is for information only.

It is not a part of the referenced document, and should not be used for project documentation.

U.S. Department of Veterans Affairs ◆ Office of Construction & Facilities Management

DATE OF THIS VERSION:

February 1, 2024

TITLE OF DOCUMENT:

National Cemetery Administration (NCA) Design Guide

DATE OF VERSION BEING SUPERSEDED (old):

January 1, 2022

DESCRIPTION OF DOCUMENT (previous title, number, other identifying data):

Previous version: NCA Design Guide

SUMMARY OF CHANGES IN THIS VERSION:

1. Updated design guidance for 2.7.4.D Committal Service Shelter.
2. Updated 3.2 Sustainable Design and 5.22 Thermal Design Criteria to reflect current Federal Mandates.
3. Updated 7.1.E to correct terminology to VA Seal.
4. Updated 7.1.E to correct terminology to Service Seals, location guidance, and corrected order of precedence of Space Force.
5. Clarification of some 10.2 Cemetery Specific criteria references as NCA Internal documents.
6. Addition of 17.3 Generator guidance.
7. Addition of 17.4 Decorative Water Features guidance.
8. General formatting changes.

Summary of Modifications/Changes in this Update

**This Summary of Changes is for information only.
It is not a part of the referenced document, and should not be used for project documentation.**

U.S. Department of Veterans Affairs ◆ Office of Construction & Facilities Management

DATE OF THIS VERSION:

January 1, 2022

TITLE OF DOCUMENT:

National Cemetery Administration (NCA) Design Guide

DATE OF VERSION BEING SUPERSEDED (old):

November 1, 2016

DESCRIPTION OF DOCUMENT (previous title, number, other identifying data):

Previous version: NCA Design Criteria Chapters 1-4 June 1999, Chapter 5 November 2016.

SUMMARY OF CHANGES IN THIS VERSION:

1. This version mainly changes the format by joining two documents written at different times. (NCA Design Criteria Chapters 1-4 June 1999, Chapter 5 November 2016)
2. It has new guidelines requiring the GAO 12-step method for estimates. See Chapter 22.0 Cost Estimating
3. Space areas requirements change. See Chapter 2.7.3 A. Staff and Administrative Area
4. New IT closets area. Chapter 2.7.3 A

Summary of Modifications/Changes in this Update

**This Summary of Changes is for information only.
It is not a part of the referenced document, and should not be used for project documentation.**

U.S. Department of Veterans Affairs ♦ Office of Construction & Facilities Management

DATE OF THIS VERSION (new)

November 1, 2016

TITLE OF DOCUMENT (new title if applicable):

NCA Facilities Design Guide, Section 5 Design Criteria

DATE OF VERSION BEING SUPERSEDED (old):

March 1, 2010

DESCRIPTION OF DOCUMENT (previous title, number, other identifying data):

NCA Facilities Design Guide, Section 5 Design Criteria

SUMMARY OF CHANGES IN THIS VERSION:

Updated the flowing sections:

5.1 – Site Development Design Creteria

5.1.2 – 2.1, 2.2, & 2.3

Updated of list of sources to current organizations and documents

5.1.6 – 6.5 & 6.6B

Updated references for evaluation of topsoil

Added requirements for bulk sampling and testing subsoil conditions for engineering properties

5.1.9 – 9.4

updated contact information for Federal Aviation Administration

5.1.10 – 10.6

updated reference to ABA standards

5.1.12 – 12.7

5.2 – Sanitary Design Criteria

5.2.5 – 5.1 & 5.2

5.2.6 – 6.1, 6.2, 6.3, 6.7, & 6.8

replaced paragraph with requirements to comply with Energy Independence and Security Act (EISA) Section 438 requirements

modified to include compliance with NPDES effluent limitations

5.3 – Irrigation Design Criteria

Entire section

general grammatical and editorial corrections

5.4 – Architectural and Interior Design Criteria

5.4.1 – 1.8

Updated ASHRAE requirements, added biobased material

5.6 – HVAC Design Criteria

5.6.3 – 3.2 & 3.3

Updated references, NFPA requirements and added information on spark resistant construction of fans.

5.7 – Plumbing Design Criteria

5.7.1 – 1.14

Added sustainable design

5.7.6 – Entire Section

added water heater types

added solar water heater design criteria.

added sizing criteria for tankless water heaters.

added sizing criteria for storage water heaters.

added heater water supply temperature design criteria.

added master thermostatic mixing valve design criteria.

added tempering valve design criteria.

added hot water circulation design criteria.

added heat trap design criteria.

added thermal expansion design criteria.

added vacuum relief design criteria.

5.7.8 – Entire Section

add storm water system disposal design criteria.

added pump redundancy.

added storm drainage system design criteria.

5.7.14 - Entire Section

Revised floor drain types and related notes.