

Design Build (DB) Part 4 Technical Requirements

General Design Guidance

The technical requirements are comprised of UNIFORMAT II (a uniform classification of construction systems and assemblies) specifications with performance and quality requirements specific to the project. National Park Service (NPS) Denver Service Center (DSC) [Design Standards](#) shall be incorporated.

To the maximum extent possible, the use of prescriptive specifications should be avoided or minimized unless it is necessary for technical coordination with the parks, other physical plant systems, or integration into existing maintenance and repair procedures. Prescriptive specifications have the effect of moving design responsibility for the specific building system from the Design-Build Contractor (DBC) to the Government.

The end product should be a complete and coordinated set that references requirements covered in Parts 1, 2, and 3 of the [Design-Build \(DB\) Request for Proposal \(RFP\)](#). The requirements shall be organized in accordance with ASTM E1557 (proprietary systems such as Speclink, or others, are acceptable) as follows:

(Note: Speclink is different.)

A Substructure

- A10 - Foundations
- A20 - Basement Construction

B Shell

- B10 - Superstructure
- B20 - Exterior Enclosure
- B30 - Roofing

C Interiors

- C10 - Interior Construction
- C20 - Stairs
- C30 - Interior finishes

D Facility Services

- D10 - Conveying
- D20 - Plumbing
- D30 - HVAC
- D40 - Fire Protection
- D50 – Electrical

E Equipment and Furnishings

E10 - Equipment

E20 - Furnishings

F Hazardous Waste Remediation

F10 - Special Construction

F20 - Selective Building Demolition

G Site

G10 - Site Preparation

G20 - Site Improvements

G30 - Site Mechanical Utilities

G40 - Site Electrical Utilities

G90 - Other Site Construction

H Process

H10 - Process Equipment

You may utilize your own UNIFORMAT II guide specifications or edit the guides available from [WBDG/NAVFAC](#) (Whole Building Design Guide/National Institute of Building Sciences). *If these guides are used, all military references must be replaced with NPS DSC [Design Standards](#).* Design and Construction submittal requirements are covered in Parts 1, 2, and 3 of the RFP so edit and coordinate references found in the technical requirements appropriately.

[DB Part 4 Technical Requirements Sample](#)

This sample document shows typical performance specifications. This sample document should not be considered complete or comprehensive and should not be used for production specifications. Edit date on reference standards and documents to reflect current version date. Sole source restrictions apply.

Additional information:

[UNIFORMAT II Elemental Classification for Building Specifications, Cost Estimating, and Cost Analysis](#) (pdf) , National Institute of Standards and Technology (NIST)