

Facilities Standards & Guidelines

C.62 Structural Design Criteria Review Standard

Revision 0

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Section 1 – Process Outline

1.1 Structural Design Criteria Review Process

- 1.1.1 EOR shall submit documents which contain all the information outlined in Section 2 to be reviewed by BAE Systems, Inc. Space & Mission Systems (SMS) Facilities Engineering team.
 - 1.1.1.1 Review of design criteria shall be initiated by EOR. Any re-work associated with feedback from this review process shall not be billed as a change order. EOR is responsible for completing this review prior to proceeding with substantial design efforts.
- 1.1.2 At a minimum, this review shall be completed for the Design Development and Construction Document phases.

Section 2 – Expectations by Phase

2.1 Schematic Design (completed at EOR and Facilities Structural Engineer Discretion)

- 2.1.1 Design criteria review documents shall consist of a written narrative with the following information:
 - 2.1.1.1 All applicable design codes required for the project. The specific version of each code is dictated by the Authority having Jurisdiction (AHJ).
 - 2.1.1.2 Environmental loads including design wind speed, seismic design criteria, and flat roof snow loads.
 - 2.1.1.3 All anticipated superimposed dead and live loads for various spaces. Additional information on floor loading specifications is found in Design Criteria C.60 Floor Loading Standards by Space Type.

2.2 Design Development

- 2.2.1 Design criteria review documents shall consist of a written narrative and drawings with the following information:
 - 2.2.1.1 All information as specified in Section 2.1

- 2.2.1.2 Floor loading plans providing a graphical representation of all superimposed dead loads, live loads, drifting/unbalanced snow loads, equipment loads, and any other applicable loads required for the design.
- 2.2.1.3 Floor plans providing a graphical representation of the vibration criteria required for each space.
- 2.2.1.4 Floor plans providing a graphical representation of the floor flatness and levelness requirements for each space.
- 2.2.1.5 Material information notes explaining specifics around the construction materials being used to build the structure.
- 2.2.1.6 Quality assurance information including special inspection and testing or materials.

2.3 Construction Documents

- 2.3.1 The following information must be included on all construction document submissions:
 - 2.3.1.1 All information as specified in Sections 2.1 and 2.2
 - 2.3.1.2 BIM model shall include non-graphic shared parameters for Live Load capacity and Superimposed Dead Load capacity for all floors and roofs, refer to BIM Standard for details.

Supplemental Document Information

The following resource documents should be referenced for execution of the standards and guidelines described above.

| Document Number | Document Title |
|-----------------|----------------|
| XXXX | XXXXXXXXXXXX |
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Revision Log

| Revision | Release Date | Description of Changes |
|----------|--------------|------------------------|
| 0 | 5/6/2025 | Initial Release |
| 1 | XX/XX/XXXX | |