**6. ENGINEERING SYSTEMS REQUIREMENTS**

**B10 SUPERSTRUCTURE**

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SYSTEMS REQUIREMENTS  
SUPERSTRUCTURE TEMPLATE 02/18  
  
Instructions for using this template: There are template files for each UNIFORMAT Level 2 Group Elements. This template is for Group Element B10-SUPERSTRUCTURE. Text such as this is hidden text that will not print when the hidden text box in "Print/Options" is un-checked.  
  
The Structural Team Member must edit this template for the requirements of the project and wherever brackets [ ] appear. The Designer must use UFC 3-301-01 when determining project requirements.  
  
The SYSTEMS REQUIREMENTS are intended to define items that are required throughout the facility. Room-specific requirements are defined in the part 3 Chapter 5 ROOM REQUIREMENTS section. Coordinate with the lead programmer for ROOM REQUIREMENTS. Delete all elements that are not required for the project. If additional elements or sub-elements are required for the project that do not appear in the template, refer to the NIST UNIFORMAT II publication for additional building element numbers and descriptions. The Uniformat II Work Breakdown Structure can be found at** [**www.wbdg.org/ndbm/**](http://www.wbdg.org/ndbm/) **. Coordinate with the PERFORMANCE TECHNICAL SPECIFICATION SECTION B10 (Section B10) to ensure that performance requirements are provided for all of the Building Elements listed here and that paragraph numbering matches.  
  
There may be rare occasions when prescriptive specifications may either be edited and included in Part 5 of the RFP or required in Section B10 to be edited by the Contractor's Designer of Record. In both cases, the Engineering Systems Requirements (ESR) must include references to these documents.  
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NOTE: Consider each superstructure system component relative to UFGS Section 01 33 29, *Sustainability Reporting* and UFC 01-200-02, *High Performance and Sustainable Building Requirements*.  
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**SYSTEM DESCRIPTION**  
Provide the building framing system in accordance with UFC 3-301-01, *Structural Engineering*. Precast concrete tilt-up construction is not allowed.

Importance Factors

Use Risk Category II in Table 2-2 of UFC 3-301-01, *Structural Engineering* for determining Importance Factors for seismic, snow, and wind design.

Wind Exposure

Base the wind design on Exposure C.

[Seismic Design Category

The Seismic Design Category is [A] [B] [C] [D].]

**B1010 FLOOR CONSTRUCTION**

The floor construction may include non-composite concrete slabs on form deck on steel joists, non-composite concrete slabs on form deck on steel beams, composite concrete slabs on composite steel deck, cast-in-place concrete slabs on removable forms, or precast concrete slabs.

**B1020 ROOF CONSTRUCTION**

The roof construction may include steel roof deck on steel joists, steel roof deck on steel beams, non-composite concrete slabs on form deck on steel joists, non-composite concrete slabs on form deck on steel beams, composite concrete slabs on composite steel deck, cast-in-place concrete slabs on removable forms, or precast concrete slabs.

--End of Section--