Include the following information in the Schematic Basis of Design narrative. See DCSM section 2.1 and 2.5 for additional details.

**Instructions**:

Indicate your response to each item in the checklist. Select ‘Yes’ if the checklist item has been completed in full. Select ‘No’ or ‘N/A’ if that item is not included or not required for the specific project. Explain why that item has not been included in the submittal.

|  |  |
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| **RESPONSE** | **REQUIREMENTS** |
|  | General |
| Choose an item. | Provide bookmarks in the narrative for all major design elements and disciplines. |
| Choose an item. | Provide general computations supporting system selection, member depth, floor-to-floor heights, and mechanical and electrical loads. |
| Choose an item. | Describe the design features proposed to make the facility conform to the applicable Accessibility standard. Include Universal Design that incorporates access for all persons in the initial planning of all new facilities. Clearly present these features in the design documents. |
| Choose an item. | Provide a statement of compliance with the VT CAC. |
| Choose an item. | Provide proposed building location on the site. Indicate how this project is located in relation to other nearby facilities. |
| Choose an item. | Provide the total square foot area per floor and per building. |
| Choose an item. | Provide total volume in cubic feet. |
| Choose an item. | Provide number of beds, seats, or parking spaces, where applicable. |
| Choose an item. | Indicate future construction or expansion to be accommodated, if any. |
| Choose an item. | Provide total estimated construction cost based on the schematic documents. |
| Choose an item. | Provide total proposed project budget. |
|  | Civil |
| Choose an item. | Confirm that the VTAS&S has been reviewed for civil narrative requirements. Confirm that SID has been consulted for the project. |
| Choose an item. | For capital projects, include information showing the existing and proposed traffic pathways for pedestrians, ADA, vehicles, and any other relevant modes of transportation on the plan sheets for all phases of design. Show the information at a scale that is at least twice the scale of the disturbed area. Show all proposed staging areas. |
|  | Structural |
| Choose an item. | Indicate type of foundation system selected. |
| Choose an item. | Provide structural design live loads, wind loads, and seismic criteria used. |
|  | Architectural |
| Choose an item. | List the functions to be housed in the building. |
| Choose an item. | Provide the capacity and type of occupancy. |
| Choose an item. | Describe the style and character of building desired. |
| Choose an item. | Indicate the type of construction proposed: protected or unprotected, noncombustible or combustible, and VCC Construction Type classification. |
| Choose an item. | Outline the description of basic materials. |
| Choose an item. | Describe design features to make the facility fully Accessible and compliant with the ADA Standards for Accessible Design, latest edition, and DCSM sections 1.2.3 and 1.2.4. |
|  | Mechanical |
| Choose an item. | Provide a description of not less than three different types of HVAC systems to be analyzed by life cycle cost and energy analysis in accord with DCSM section 1.4.3. |
| Choose an item. | Provide estimated heating and cooling loads. |
| Choose an item. | Provide a description of the fuel selected to be used. For new construction and for renovations where fuel sources are to be changed from current sources, confirm that fuel sources have been selected based on the lowest life cycle cost as determined by a life cycle cost and energy analysis in accord with DCSM section 1.4.3. |
| Choose an item. | Provide the results of the life cycle cost and energy analysis. |
|  | Electrical and Electronic Systems |
| Choose an item. | Provide description of electrical coordination analyses process, installation, and testing requirements. |
| Choose an item. | Document requirement of in-building emergency communications system. |
|  | Fire Systems |
| Choose an item. | Provide a general description of any proposed fire suppression systems (clean agent, chemical, etc.). |
| Choose an item. | Provide a general description of any proposed fire sprinkler systems. |
| Choose an item. | Identify applicable NFPA standard (cited by the VCC) which provides the minimum requirements for the design, installation, testing, inspection, approval, operation, and maintenance of the proposed fire sprinkler or fire suppression system. Indicate the water supply to the proposed building and whether or not a fire pump will be required. Calculations to support this position are desirable at this phase but are not required. |