Include the following information in the Preliminary Basis of Design narrative. See DCSM sections 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** |
|  | **Structural** |
| Choose an item. | Submit geotechnical information including field boring notes and foundation design recommendations. |
| Choose an item. | Describe the foundation conditions. Indicate the type of foundation proposed. Provide the maximum allowable bearing capacity for the foundations and the method by which the allowable bearing values are to be determined. |
| Choose an item. | Submit a statement of the type of construction adopted and reason for that choice. Include capacity, dimensions, or other size criteria. Provide a list of materials selected with design strengths and specify applicable standards (ASTM, AISC, ACI, etc.). |
| Choose an item. | Describe special features and considerations that affect the design and may not be evident on the drawings. |
| Choose an item. | Describe the structural floor and roof systems proposed. Include the length, spacing, and size of principal members (e.g., for beams and girders). |
| Choose an item. | Provide a description of the lateral force resisting system proposed including the appropriate materials and dimensions. |
| Choose an item. | Provide live loading data as required by the building code. Include floor loads and wind, snow, and seismic loads. |
| Choose an item. | Submit a statement of any special considerations that affect the design (special corrosion resistance requirements, detention facilities, cranes, etc.). |
| Choose an item. | Include cost comparisons of framing systems to demonstrate that the most economical structural system has been selected. |
| Choose an item. | Provide details for the use of horizontal HSS tubes as beams. |
| Choose an item. | If helical piers are needed for the project, include the required recommendation by the soils engineer in the soils report or supplemental report for the correct design. |