Include the following information on the preliminary project drawings. See DCSM sections 2.4 and 2.6 for additional details on drawings. See DCSM section 3.10.7 for fire alarm systems design requirements.

**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** |
|  | **Fire Protection Information Plan and Calculations** |
| Choose an item. | Indicate type and extent of fire protection sprinkler system and fire detection/fire alarm systems on the floor plans. |
| Choose an item. | Provide a tabulation of square footage per floor and total building area (per VCC definitions). Include new square footage, existing square footage to be renovated, other existing square footage, and the total building volume (cubic feet). |
| Choose an item. | Indicate paths for means of egress, paths of exit access, travel distances to exits and common paths of travel. Indicate specific locations where access controls or security locking systems will be provided within means of egress paths. |
| Choose an item. | For projects that will have partial or phased occupancy, indicate locations and construction of temporary barriers, fire-resistance ratings of temporary barriers, locations of temporary exit signage, locations of temporary means of egress emergency lighting, and the temporary exit access patterns at each floor for each substantially completed phase. |
| Choose an item. | Indicate rating of all fire-resistance-rated assemblies, smoke barriers, and smoke partitions. Completely show the continuity of the rated assemblies using reference symbols. |
| Choose an item. | Completely show the continuity of vertical fire-resistance-rated assemblies. Use reference symbols. Distinguish new walls from existing walls and new construction from existing construction. |
| Choose an item. | Identify the extent of horizontal fire-rated floor/ceiling and roof/ceiling assemblies. Use reference symbols. |
| Choose an item. | Provide drawings that clearly define the locations and extent of the application of applied fire-resistant materials. |
| Choose an item. | Define the UL design assemblies specific to the respective locations and application of applied fire-resistant materials. |
| Choose an item. | Indicate whether the building is designated as an “essential facility” for purposes of compliance with seismic and snow provisions in the VUSBC. |
| Choose an item. | Indicate the seismic design category. |
| Choose an item. | Provide calculations in support of the indicated Construction Type, based on Use Group, allowable height and allowable area, and permitted or required height and area modifications. |
| Choose an item. | Provide calculations to demonstrate and support the indicated capacity of the egress components throughout the building. |
|  | **Fire Detection and Alarm Systems** |
| Choose an item. | Locate and identify all fire alarm system alarm-initiating and notification appliances. |
| Choose an item. | Locate and identify all fire alarm control and trouble-signaling equipment. |
| Choose an item. | Locate and identify all existing alarm system alarm-initiating and notification appliances. |
| Choose an item. | Locate and identify all existing fire alarm control and trouble-signaling equipment. |
| Choose an item. | Confirm that heat detectors or combination smoke/heat detectors are located in the design per DCSM section 3.10.7.3. |
|  | **Smoke Control Systems** |
| Choose an item. | Submit a preliminary Rational Analysis (a detailed design report) to the UBO for review. See DCSM section 2.7.5.9.5. |
| Choose an item. | Provide conceptual floor plans which identify the locations of the major components, pertinent calculations, sequence of operation, and any other information that may assist in the evaluation of the methods in the documents submitted to the UBO. |
|  | **Fire Suppression Systems – Drawings** |
| Choose an item. | Identify the occupancy hazard classifications and show the locations of sprinklers for the most hydraulically demanding zones within the building for each fire sprinkler system. |
| Choose an item. | Show the location of fire department valves and risers within the building. Include connections to standpipe risers, combined standpipe and sprinkler risers, or wet pipe sprinkler system risers. |
| Choose an item. | Show proposed sprinkler piping and standpipe layout including the main sprinkler lines. |
| Choose an item. | Show layout of branch lines for the most hydraulically demanding zones within the building for each system, and size the pipes. |
| Choose an item. | Show the locations of water hydrants, test and flow hydrants for water flow tests, and locations of underground pipe. |
| Choose an item. | Indicate the water flow test results, the date and time taken, and the responsible party. |
| Choose an item. | Show the water supply flow and pressure at a reference point common with the sprinkler and standpipe design. |
| Choose an item. | For clean agents, identify the rooms to be protected by this system. Show the enclosure partitions of the protected area. |
| Choose an item. | For clean agents, identify the locations of the major components of the system. Show the general routing of lines from the stored agent and spaces to be protected. |
| Choose an item. | For clean agents, provide a riser diagram defining the clean agent storage tanks, accessories, automatic detection system, alarm devices, manual means of releasing the agent, controlling devices, and other pertinent information. |
| Choose an item. | Show and clearly identify all existing fire suppression systems. |
|  | **Sprayed-On Fireproofing** |
| Choose an item. | Show the proposed UL design assemblies specific to the building structural elements. |
|  | **Fire Pumps** |
| Choose an item. | Show the location of the fire pump, pressure maintenance pump, and pump controllers. |
| Choose an item. | Show and identify all existing sprinkler systems and standpipe systems in the vicinity of the fire pump(s). |
| Choose an item. | Show the location of the fire department connection(s) with all interconnecting piping back to the fire pump. |
| Choose an item. | Show the location of the fire pump test header and all interconnecting piping. |
| Choose an item. | Show the location of the electrical components of the fire pump, driver, fire pump controller, and ancillary electrical components. |