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- **Provide a complete comprehensive building code analysis including the following:**
  
  Typical a “complete building Code Analysis for all structures within the scope of this Project.
  
  - Occupancy Classification
  - List the number of occupants.
  - Construction Type
  - Total square footage each floor (Tbl 503 – Basic Allowable Area)
  - Building area
  - Canopies/overhangs
  - Total
  - Allowable area increases (show formulas and calculations)
  - 506.2 Frontage – site plan must clearly identify areas dedicated for frontage increases
  - 506.3 Automatic fire sprinklers
  - 506.4 Area determination for multiple stories
  - 705 fire walls
  - Mixed occupancy ratio (where applicable) 508.3
  - Building height (and any increases taken) and No. of Stories
  - Identify use of sprinklers (i.e. height increase, 903.2.2.1, etc)
  - Site plan to include all property lines (real & assumed).
  - Justify Pedestrian walkways.

- Submittal to coordinate and correlate all details, notes, references, specifications, etc. – Typical throughout plans.

- Please list the total occupancy loading for the Project “areas” and “all” the egress requirements per CBC Chapter 10 (which should include but not be limited to; occupant load, required means of egress, number of exits required, egress widths, gate locations & swing, hardware, signage, travel distances, egress illumination, etc.).

- Clearly show all Seismic Connections within the facility and detail all design elements crossing such connections.

- Please specify required size and type of Fire Extinguishers required for each occupancy and/or area use.

- On Architectural, indicated location of all fire risers, standpipes, fire control panel, and approximate locations and types of required portable fire extinguishers.

- List the size and/or capacities of equipment within electrical, mechanical, etc. rooms.

- Correlate all required protection listings and required opening protection with floor plans and details. (Typical throughout entire Submittal)

- Design shall coordinate and correctly identify all required fire rated assembly construction and smoke protection elements (both vertical and horizontal) with legible Fire Life Safety Legends. Typical through all applicable Sheets and Design Elements.

- Clearly indicate all on-site emergency fire lanes/access ways/turning radiiuses, required fire lane signage, markings, fences, gates, etc. Also indicate the locations of all emergency fire department devices such as fire hydrants (public/street and private), wharf heads, post indicator valves (PIV), fire department connections (FDC), any exterior graphic fire alarm annunciation Panels, Knox Box locations, etc. (Per California Fire Code. (Correlate applicable Architectural Sheets with applicable Civil Sheets.

- Please note all fire alarm monitoring requirements exterior fire department devices (PIV, Double Check Assemblies, etc.).

- (Applicable to all areas within the scope of this Submittal) All rated construction (both vertical and horizontal) must be clearly defined, correctly identified, detailed, and listed in accordance with CBC Chapters 3, 5, 6, 7 & 10 (fire partitions, barriers, walls, shaft, egress protection, ceilings, opening protection, penetrations, structural members, etc.).
  
  - Provide and cross-reference installation details, specifying assembly listing numbers for all required design elements. These details, including all components and attachment
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- Schedules for fire-resistive materials to the framing, shall conform in every particular with the design number specified.
  - Provide and cross-reference connection details at all wall terminations (head, base, and end) demonstrating continuity per CBC §706.5.
  - Detail all end of rated wall/assembly conditions (different assemblies, rated to not rated, rated to exterior, etc.)
  - Provide and cross-reference details of all penetrations & opening protections in rated assemblies.
  - Coordinate penetration protection requirements with all design elements (electrical, mechanical, plumbing, structural, fire alarms, sprinklers, low voltage, etc.) – Indicate/show all fire rated and smoke assemblies on all applicable design element sheets.
  - Typical throughout all applicable Sheets with this submittal.
- Please list the total occupancy loading for the Project “areas” and “all” the egress requirements per CBC Chapter 10 (which should include but not be limited to; occupant load, required means of egress, number of exits required, egress widths, gate locations & swing, hardware, signage, travel distances, egress illumination, etc.).
- With reference to required egress pathways, demonstrate/list maximum travel distances for all egress components (Typical all applicable Sheets).
- Please list the total occupancy loading for the Project “areas” and “all” the egress requirements per CBC Chapter 10 (which should include but not be limited to; occupant load, required means of egress, number of exits required, egress widths, gate locations & swing, hardware, signage, travel distances, egress illumination, etc.).
- Show all equipment and obstructions relative to all required egress components ((applicable information).
- With reference to required exiting and exiting protection, correctly and completely identify and detail required all occupancy separations.
- Note /include Egress convergence loads per CBC 1004.5
- With reference to all proposed fences and gates – Specify, detail and demonstrate complete compliance with all required egress routs and all compliance elements to the public right-of-way and/or safe dispersal area/areas (include all tributary occupancy loads).
- Provide and cross-reference details of all penetrations & opening protections in rated assemblies.
- Correlate all required protection listings and required opening protection with floor plans and details. (Typical throughout entire Submittal)
- (Provide and cross-reference details of all penetrations & opening protections in rated assemblies.
- Correlate all required protection listings and required opening protection with floor plans and details. (Typical throughout entire Submittal)
- Show/detail all applicable building setbacks/Site plans to include all property lines (real and assumed). Justify required wall and opening protection per CBC 602. (Per California Building Code (CBC) Chapters 5, 6 &7)
- Provide current fire-flow test for site justifying compliance with CFC Appendix BB and NFPA 13. (Justify required site/building fire-flow compliance.).
- Show/detail all applicable building setbacks/Site plans to include all property lines (real and assumed). Justify required wall and opening protection per CBC 602. (Per California Building Code (CBC) Chapters 5, 6 &7)
- Please detail all underground utilities, transitions and aboveground requirements where applicable. Typical all applicable Sheets.
- Provide all applicable thrust block details (including valves).
- Please detail all underground utilities, transitions and aboveground requirements, where applicable, including all necessary specifications.
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- Please detail all underground fire lateral requirements, material, clearances, (thrust blocking, etc.) within the sphere of influence of the building foundation and components.
- Clearly indicate all on-site emergency fire lanes/access ways/turning radiuses, required fire lane signage, markings, fences, gates, etc. Also indicate the locations of “all” (existing and proposed) emergency fire department devices such as fire hydrants (public/street and private), wharf heads, post indicator valves (PIV), fire department connections (FDC), any exterior graphic fire alarm annunciation Panels, Knox Box locations, etc. (Per California Fire Code). (Correlate applicable Civil Sheets with applicable Architectural Sheets.)
- Provide all applicable locations and details, for all applicable design elements, for all underground utilities, transitions and aboveground requirements (including monitoring), including all necessary specifications.
- Coordinate Local Fire Authority - Access Approval Letter with Architectural for any additional/applicable requirements.
- Provide applicable reference Legends on “all” applicable Sheets. Typical throughout Submittal.
- Until the required fire-resistance and/or smoke have been correctly identified (and schedules correlated); Rating Door and Window Schedules (opening protections) are considered incomplete at this time and have not been reviewed; revise Door and Window Schedules to accurately reflect All Required Rated Construction and Smoke Barrier Penetration. Etc. Protection Requirements, in accordance with CBC Chapter 7.
- Please note clearance requirements for all make-up air systems from exhaust systems, combustion vents, DWV terminations, etc. Show approximate locations of all vents and DWV locations in relation to make-up air locations (Typical all applicable Sheets).
- Please note that all deferred fire protection systems are schematic or for reference only, or provide complete design submittals with supply justification (All applicable drawings, details, notes, elements, etc.).
- Please note that all deferred fire protection systems are schematic or for reference only, or provide complete design submittals with supply justification (All applicable drawings, details, notes, elements, etc.).
- Submittal will clearly indicate and delineate “all” required egress POTs (proposed and existing) and justify the proposed construction will not compromise exiting approved egress.