



## Residential - Alteration Required Design Documents

**Design Documents**  
**DD-RALT**  
**Effective:** July 20, 2018  
**By:** Chief Building Official  
For Public Use

City of Concord • Community and Economic Development • 1950 Parkside Drive, MS/51 • Concord, CA 94519 • (925) 671-3107 • Fax (925) 680-4877

### **REQUIRED DESIGN DOCUMENTS**

Remember to check with the Planning Division to confirm planning/zoning requirements prior to beginning your project.

### **DRAWINGS** (Please provide three complete sets)

- TITLE SHEET:** Including project address, assessor's parcel number, project name, and table of contents listing all the plan sheets with content, page numbers, date prepared, occupancy classification, type of construction, area, number of stories, fire sprinkler requirements, project description/scope of work, and list of deferred submittals.
- ARCHITECTURAL PLANS:** (indicate scale, minimum 1/8" = 1'-0") Floor plans identifying all rooms/areas and uses; access and exit routes; buildings sections; details of all fire-rate assemblies; stairway, handrail and guardrail details; window schedule; door schedule; room finish schedule; exterior building elevations and exterior wall covering specifications (when exterior changes are proposed); T-24 Energy Code Elements (window U-factor and SHGC, insulation, radiant barrier, lighting, etc.); etc..
- STRUCTURAL PLANS:** (indicate scale, minimum 1/8" = 1'-0") When framing changes are proposed, provide floor/wall/ceiling framing plans and details as appropriate addressing all structural work.
- MECHANICAL PLANS:** Schematic mechanical plans and/or specifications identifying the size and location of all new and/or altered heating, ventilating, and air-conditioning equipment; supply and return air registers; etc..
- ELECTRICAL PLANS:** Schematic electrical plans which identify the location and capacity of the electric meter, main service panel, sub-panels; locations of all new and/or altered receptacles, switches, lighting fixtures (reflected ceiling plan), smoke detectors, carbon monoxide detectors; load panel calculation; etc..
- PLUMBING PLANS:** Plumbing plans sufficient to show the size and location of all new and/or altered plumbing fixtures, fixture flow rates with CalGreen compliance, appliances, piping, pipe size calculations (waste/vent, water); indicate whether appliances are gas operated, electric or otherwise; etc..



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**CALCULATIONS** (Please provide two complete sets)

- STRUCTURAL CALCULATIONS:** When framing changes are proposed provide calculations addressing all structural work.
  
- ENERGY DESIGN AND FORMS:** Provide complete Title 24 energy compliance documents. Certificate of Compliance forms should be printed on the drawings to ensure all required signatures are provided or follow prescriptive requirements.