



## City of Greenfield

Community Development Department – Building Division  
599 El Camino Real, Greenfield, CA 93927  
Tel: (831) 304-0333 | Fax: (831) 674-3149  
Email: [inspections@ci.greenfield.ca.us](mailto:inspections@ci.greenfield.ca.us)  
[www.ci.greenfield.ca.us](http://www.ci.greenfield.ca.us)

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## RESIDENTIAL ADDITIONS/ ALTERATIONS SUBMITTAL REQUIREMENTS

### **Building Design Criteria**

All construction requirements are based on the California Code of Regulations (CCR) Title 24:

- 2022 California Building Code (CBC)
- 2022 California Residential Code (CRC)
- 2022 California Mechanical Code (CMC)
- 2022 California Plumbing Code (CPC)
- 2022 California Electrical Code (CEC)
- 2022 California Fire Code (CFC)
- 2022 California Energy Code (CEnc)
- 2022 Building Energy Efficiency Standards
- 2022 California Green Building Standards

Geographical Information: Wind Speed - 110 MPH Wind Exposure - C Seismic Zone - 4 Seismic Design - D Climate Zone - 4
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Other Codes:

- 2015 International Property Maintenance Code
- City of Greenfield Municipal Code

***This is a comprehensive submittal list. All items may not pertain to your specific project.***

### **1) Document Submittal List**

A) Drawings:

- Plot plan-Topography shall extend beyond the site boundaries to such distance as to show vegetation or structures that might be impacted by the project.
- Architectural plan: floor plan(s), roof plan, exterior elevations
- Structural: foundation plan, floor framing, roof framing, truss information, cross sections, and structural framing details referenced on framing plan
- Mechanical plan
- Electrical plan
- Plumbing plan
- 2 Sets must be stamped by Sanitary Department prior to submittal

B) Calculations: 2 Sets

- Structural calculations, where necessary (wet signed and stamped)
- Energy calculations and forms (Title 24)
  - (a) Both original 8 ½ x 11 and CF-1R and MF-1R on the plans
- Soils Report: 2 Sets

### **2) Addition Information (To be Included on Plan Documents)**

A) Plot Plan

- Lot dimensions: metes and bounds information
- Building footprint with all projections and dimensions to property lines and between buildings
- North arrow
- Visible utility to curb
- Easement(s)
- Show and specify the species, variety and size of trunk on all trees
  - (a) Show extent of tree canopy

- B) Grading and Drainage
- Top and toe of slopes on slight slopes and topography with contours on lots with more than 5' elevation difference
  - Pad elevations: Ground slope drainage scheme and topography (hill sites)
- C) Architectural and Structural Plans
- Foundation, structural floor and roof framing plans
  - Architectural floor plan and roof plan
  - Exterior Elevations: specify all exterior finish materials
  - Structural material specifications
  - Structural and architectural detail
  - Truss configuration and locations
  - Typical cross section in each direction
- D) Mechanical, Plumbing and Electrical Plans
- Location of HVAC equipment and plumbing fixtures
  - Outlets, fixtures, switches, smoke alarms, service panel amperage, sub-panel location(s)
  - A load calculation is required if an inordinate amount of equipment or appliances is proposed
- E) Energy Requirements
- Form CF-1R with all signatures
  - Heat loss calculation to size new equipment or confirm adequacy of existing equipment
  - Print CF-1R and MF-1R on drawing set
- F) Information
- Wet signature on all documents by design professional and document maker
  - Name, title, California registration, address, and phone number of design professional
  - Address of property and name, address and phone number of property owner
  - Cover Sheet Information
    - (a) Applicable codes
    - (b) Description of type of work
    - (c) Occupancy and type of construction
    - (d) Gross area, by floor(s) and building height
    - (e) Index of drawings
  - All drawings must be to scale
- G) Details
- Window: head, jamb and sill
  - Exterior doors: head, jamb and sill
  - Flashing: vertical and horizontal junctures of materials
  - Fireplace: masonry or manufacturers cut sheets with listing information for make and model of prefabricated fireplaces
  - Footing, piers, and grade beams
  - Post and girder intersections
  - Roof: eaves, overhangs, rakes, and gables
  - Cabinet elevations
  - Floor changes (i.e. wood to concrete)
  - Handrail(s) and guards with support
  - Structural wall sections with details at foundation, floor and roof levels
- H) Prefabricated Trusses
- Roof framing plan with truss I.D. number and manufactures name
  - Detail of all truss splices, connection and plate sizes
  - Show all trusses including gable bracing and bridge/bracing
  - Reviewed and signed by engineer of record
  - Wet stamped and signed by truss company engineer
  - Provide single line truss diagram with all vertical and lateral loads including bearing points shown with reference of framing plan