



RESOURCE MANAGEMENT AGENCY Engineering and General Services

Building Division

- 2037 W. Cleveland Avenue
- Madera, CA 93637
- (559) 675-7817
- FAX (559) 675-7639
- <http://www.madera-county.com>

- Bass Lake Office
- 40601 Road 274
 - Bass Lake, CA 93604
 - (559) 642-3203
 - FAX (559) 658-6959

Residential Plan Submission Requirements 2010 CRC, CEC, CPC, CMC, CGBC & CEC

The following information must be included with every building plan submission. Plans will not be accepted for plan check if any of this information is missing. (CRC Sect. R106.1.1)

Owner/Registered Design Professional/Contractor Information

- _____ Registered design professional responsible for project. Include address (with zip code) and telephone number.
- _____ Architect or engineer acting as a sub-consultant responsible for a portion of the design; including address (with zip code), and telephone number.
- _____ Owners complete name, current address (with zip code), and telephone number.
- _____ Builder's complete name, address (with zip code), telephone number, and contractor license number.
- _____ Stamp and Signature of Registered Design Professional on each sheet.

Occupancy Information

- _____ Indicate the occupancy type of each area of the new structure per CRC Sec 1.1.3.1.
- _____ Provide the actual building height and number of stories above the grade plane (CRC section R301.3)
- _____ Provide the building areas (sq ft.) for each occupancy type of each story of the building.
- _____ Indicate the construction type of the new structure per CRC Sec R602.
- _____ Indicate the occupancy category of the new structure per Table CBC 1604.6.
- _____ Requirement for a fire sprinkler system per CRC Sec R313.
- _____ Provide means of egress CRC Sec R311.

Design Criteria (CRC section R301.1)

(Required for first sheet)

- _____ Indicate the climate zone for the new structure. 13 or 16 (circle one)
- _____ Indicate the floor and roof live loads for the new structure. CRC R301.5, R301.6
- _____ Indicate the ground snow load per CRC R301.2(5) (Verify on GIS)
- _____ Indicate the wind speed and exposure category per CRC R301.2.1.4 (85 MPH default min.)
- _____ Indicate design method for wind, i.e.: simple, analytical (CRC section R301.1.3)
- _____ Indicate the soil site class per Table CRC R301.2.2.1.1 and CBC 1613.5.2
- _____ Provide the spectral response coefficients S_{DS} per CRC Sec Table R301.2.2.1.
- _____ Indicate the seismic design category per CRC Table R301.2.2.1.1
- _____ Indicate the soil load bearing pressure value per CRC Table R401.4.1 (1500 PSF default).
- _____ Indicate water and sewer piping materials, i.e.: PEX, CPVC, Copper, Etc..

_____ Indicate the method of resistance to lateral forces.

Show compliance by:

- Strength Design provisions; or
- Load and Resistance Factor Design provisions; or
- Allowable Stress Design provisions; or
- Conventional Light-Framing requirements of CRC Chapter 6

Design Documents (All documents shall be drawn to scale, i.e.: 1"=10', 1"=20', 1/8"=1'0", 1/4"=1'0", etc.)

_____ Official County of Madera 11" x 17" Plot Plan

_____ 11" x 17" Floor Plan for each floor of proposed building.

_____ 11" x 17" Exterior Elevations (Show all four elevations including overall height of structure measured from the center of the pad at natural grade to the highest point on the building.)

_____ Site Plan

_____ Floor Plan (Including each floor of multi-story structures.)

_____ All Exterior Elevations (As many views as required to show complete structure.)

_____ Roof Plan

_____ Foundation Plan

_____ Shear Wall or Brace Wall Plan (signed by the architect or engineer if shear wall design).

_____ Floor Framing Plan

_____ Ceiling Framing Plan

_____ Roof Framing Plan

_____ Building Sections & Details

_____ Signed Truss Calculations

_____ Signed Engineering Calculations & Plans

_____ Electrical Plan, Electrical Load Calculations & Single Line Diagram.

_____ Plumbing Plan, with Water, Gas and Sewer, Sizes, Lengths & Loads, Single Line Diagrams and Calculations.

_____ Mechanical Plan

_____ Signed Title 24 Calculations

_____ Equipment Information or Special Engineering Plans

_____ Seismic requirements and engineering (when required)

_____ Deferred Submittal Items indicated on Cover Sheet of Plans (No structural deferred submittals allowed)

_____ Special Inspections on the Cover Sheet of the Plans.

_____ Grading Plan (Will require a separate grading permit.)

_____ Plan Check Fee (Cash, Check or Credit Card) Mastercard, American Express, Discover

_____ Fire Restrictive Walls, Exterior and Interior shall have details and assembly type number UL, R327, etc..

_____ Submit two (2) sets of construction documents

_____ Submit one (1) set of fire sprinkler system plans: see attached requirements from Fire Prevention.

Date Filed: _____

Permit No.: _____

Plan Checked By: _____

Reviewed By: _____



RESOURCE MANAGEMENT AGENCY Engineering and General Services

Building Division

- 2037 W. Cleveland Avenue
- Madera, CA 93637
- (559) 675-7817
- FAX (559) 675-7639
- <http://www.madera-county.com>

- Bass Lake Office
- 40601 Road 274
 - Bass Lake, CA 93604
 - (559) 642-3203
 - FAX (559) 658-6959

2010 CALIFORNIA RESIDENTIAL CODE ** RESIDENTIAL SUBMITTAL CHECKLIST **

Attached is a checklist that must be completed by the applicant prior to submitting plans.

Please review and confirm that all applicable information has been provided to ensure that your project is submitted successfully.

HELPFUL PHONE NUMBERS

| | |
|---|----------------|
| RMA | (559) 661-6333 |
| Planning | (559) 675-7821 |
| Roads | (559) 675-7811 |
| Fire | (559) 661-5190 |
| Environmental Health | (559) 675-7823 |
| Special Districts | (559) 675-7820 |
| Building Division / Engineering – Madera | (559) 675-7817 |
| Building Division / Engineering – Bass Lake | (559) 642-3203 |



RESOURCE MANAGEMENT AGENCY
FIRE PREVENTION DEPARTMENT
Deborah Keenan, Fire Marshal

2037 W. Cleveland Avenue
Mail Stop F
Madera, CA 93637-8720
(559) 661-5190
FAX (559) 675-7639
Deborah.keenan@madera-county.com

As of January 01, 2011 the adopted 2010 California Residential Code is now implemented. California Residential Code Section R313 requires all new Dwelling Units have an Automatic Engineered Fire Sprinkler System meeting the minimum requirements of NFPA 13D. To process a submitted building permit application for a site built dwelling unit, the following information MUST be included with the building permit application for acceptance of your application:

- o Name of Property Owner, Builder and/or representative
- o Plot Plan, Property Location, Street Address and APN
- o Name, address and California C-16 Contractor or Fire Protection Engineer (FPE) license number of designer/installer.
- o Specify either public or private water system
- o If public, provide a letter from the water company/district/purveyor showing approval of the proposed design/connection and required devices
- o Determination by licensed structural engineer that the dwelling's provided structural engineering addresses sprinkler loads

UNDERGROUND AND SITE PLAN SHALL INCLUDE THE FOLLOWING WHERE APPLICABLE:

- o Point of connection to water system with all proposed materials
- o Point of supply entry to proposed building
- o Alternate water supply components (well, pump or tank) and locations
- o Size and type of pipe. Cut sheets on all devices, heads, and information on fittings, interior pipe diameter for calculations
- o Location and arrangement of all devices such as Back-Flow Prevention, meters, master shut-off etc.
- o Means of protecting the potable water supply from contamination by the automatic engineered fire sprinkler system per MCOC Chapter 13.45
- o Combination systems shall location of fire service branch-off from supply and point of added domestic flow allowance
- o Flow test/data used for hydraulic calculations, including test location and test date (must be within 6 months of plan submittal)
- o Reference nodes matching hydraulic calculations.

BUILDING SYSTEM PIPING PLAN SHALL INCLUDE:

- o Point of connection to water service
- o Number of, manufacturer, response type, temperature and K-factor of all sprinklers
- o Dimensioned locations and spacing criteria of all proposed sprinklers
- o Size and type of all pipe and fittings, length of pipe segments and actual inside diameter used for hydraulic calculations
- o Location and type of hangers and means of supports
- o Location and arrangement of valves and devices such as drain/test, pressure relief valve, alarm connection etc.
- o Full height building section
- o Means of freeze protection (required for elevations above 800 feet above sea level)

MATERIAL DATA SHEETS SHALL BE SUBMITTED FOR THE FOLLOWING:

- o Fire Sprinklers, pipes and fittings, hangers or other means of support
- o All water system and supply components.

Upon receipt of the above information your plans may be accepted for review. A separate Fire Permit for the sprinkler system is required for your building permit application to proceed. Your licensed C-16 contractor or FPE will be contacted by the Fire Marshal's Office for additional information for the Fire Department permit. Additional fees will be due upon issuance of the Fire Department permit for the residential Automatic Engineered Fire Sprinkler System.