

Plan Submittal – Residential Master Plans

Policy and Procedure No.: **B-04-13**

September 2004 (Rev. December 2010)

Purpose

This handout establishes a procedure for plan submittals for new residential master plans. According to current code regulations (2010 CRC, 2010 GBSC, 2010 CPC, 2010 CMC, 2010 CEC and 2010 California Energy Code), permits are required when buildings or structures are constructed. Therefore, the following guideline shall be reviewed before commencing any work.

Plan Submittal for Construction

General

Once approval has been obtained from Planning staff through the Design Review process, the applicant shall submit the following information to the Building Safety & Inspection counter for plan review. When the plans are submitted these will receive a master plan check number for plan review purposes.

To simplify this process, the plan check review and permit processing has been divided into two separate parts. Please follow the guidelines under “Permit Processing – Production Homes” for specific information on how to obtain building permits once the plan review phase is fully completed.

Quantity

- Two (2) complete and separate plan sets for each plan stamped and wet-signed by a professional architect or registered engineer licensed in the State of California
- Two (2) sets of Structural Calculations for each plan stamped and wet-signed by a registered engineer.
- Two (2) sets Geotechnical reports by a licensed geotechnical engineer and a “Letter of Compliance” for foundation design review.

- Two (2) sets of Title 24 Energy Calculations for each plan
- Two (2) sets of manufactured Truss Calculations for each plan and a truss-review “Letter of Compliance” signed by the engineer of record for each plan. A separate Roof Truss Plan shall be provided for each plan elevation type.

Additional Department Approval

- On-site improvement plans must be submitted to Elk Grove Public Works under a separate cover. Contact **Public Works** at **(916) 478-2256** for submittal requirements, fees and timelines.

Other Permits Required

- A separate plan / permit is required for the installation of the following: Pools and Spas; Accessory Structures; Retaining Walls; Automatic Fire Sprinkler Systems.

Plan Review Timelines

Allow a minimum of **fifteen** business days for the first plan review and **ten** business days for all other subsequent reviews.

Note: the plan review time may be extended depending on the complexity and size of the structure(s).

Minimum Plan Requirements

Size

Minimum 18” x 24” and maximum 24” x 36” plans drawn to scale (i.e., floor plan: ¼” = 1’ – 0”), fully dimensioned, clear and legible. Single line floor plans are unacceptable.

Information

1. Cover sheet - name, address and phone number of builder, contractor and contact person; name, address and phone number, title

and registration information of project design professional; legal subdivision name; work description including current applicable codes, type of construction, occupancy classifications, if installing a fire sprinkler system; total building area per floor and options (*square footage for dwelling, garage, porches, deck*); zoning; vicinity map; index of drawings.

2. Architectural plans - floor plans identifying room uses, door/window schedules; occupancy separation location and fire-rating details; location of smoke detectors and emergency egress openings; stair/handrail/guardrail/deck location and details; framing details for fireplaces, post and girder intersections, roof eaves, gables, rakes; floor/attic ventilation calculations; all exterior elevations identifying construction materials, colors, wall covering specifications and fire-rating (depending on location), building height and fire sprinklers.
3. Structural plans - foundation plan with footing/pier/grade or slab details; shear wall schedule and detail reference locations; minimum of two building cross-sections in each direction. Complete floor/roof framing plans with bracing and support details.

Light Wood-Frame Construction

Plans for new single family dwellings of light wood-frame construction (as defined by Section 2308 of the 2010 CBC) may be prepared by any person, if the structure consists of not more than two stories and basement in height. However, if the structure has unusual design features and deviates from conventional light-frame standards, it shall be designed following engineering standards. Engineered plans shall therefore be prepared by a professional architect or engineer, licensed in the State of California.

4. Prefabricated trusses – roof / floor framing plan with truss I.D. # and manufacturer's name; truss splice details, connections and plate sizes; gable bracing/bridge; single line truss diagram with all vertical/lateral loads, including bearing points with reference to framing plan.
5. Mechanical, electrical and plumbing plans - electrical plan identifying size and location of main and sub-panels; outlets (required GFCI locations), switches, light fixtures; location of HVAC equipment; duct layout.
6. Energy requirements – signed and affixed CF-1R and MF-1 energy compliance forms.

7. The project designer(s) shall submit complete copies of the project plans to the City of Elk Grove Building Department in electronic PDF and/or CAD format after plan approval and prior to start of construction.

Options

Multiple options may be utilized on the same set of plans (base plan).

For example:

- Base Plan = 1,280 sq ft (Base Plan Only)
- Option #1 = 1,480 sq ft (Base Plan + 200 sq ft)
- Option #2 = 1,680 sq ft (Base Plan + 400 sq ft)
- Option #3 = 1,880 sq ft (Base Plan + Opts 1 & 2)

Only **one** set of complete plans is required per the above example, provided the drawings clearly depict all the different options, and the square footages are itemized.

Special Notice for Master Plans with Options

When multiple design options are proposed, the structural drawings for each elevation and/or option shall also be submitted depicting all related structural elements.

From the example above, all plan types (Base Plan, Option #1, Option #2, and Option #3) shall **each** include a **complete** structural design depicting a foundation plan, floor framing plan, and roof framing plan with all details cross-referenced, similar to the Base Plan. Likewise, when plans are 'reversed' or 'fopped', the plans shall reflect this change.

Partial or incomplete mirror-images will no longer be acceptable!

This additional requirement will ensure a more diligent review on part of the field inspector when multiple plans are frequently reversed and the sizes of homes become increasingly larger

Fees

Plan check fees are **not** due at time of the first submittal. Fees are due at time of plan review completion.

Office Hours

More information may be requested at the Building Safety & Inspection office located at:

- Address: **8401 Laguna Palms Way**
- Phone: **(916) 478-2235**
- Hours: **Monday through Friday
8:00 am - 5:00 pm**