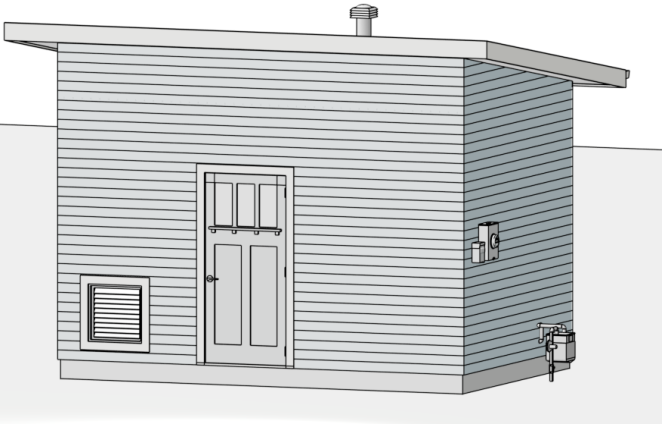




Generator Shed | General Requirements

The code requirements listed below are intended to assist the applicant with some of the requirements applicable to a Building Division permit submittal and are not to be considered an all-inclusive listing of building code requirements for plan approval or permit issuance. **All references to California Title 24 building codes are to the version currently adopted by Humboldt County.**



- Engineer or Architect. Generator sheds (commercial and residential) can be built to conventional light frame construction standards per [CBC 2308](#) without an engineer or architect.
 - *Exception* - If the shed does not fit within the prescriptive requirements of this section an engineer may be required. Furthermore, if the shed is built in a location containing hazards or natural resources an engineer or architect may be required.

- AOB Shed. If your parcel is not provided with community services such as water and sewer you may propose an Alternate Owner-Builder (AOB) generator shed per Humboldt County Code (HCC) [331.5](#).
 - *Exception* - If your shed is used for commercial purposes (such as commercial cannabis) you can't propose an AOB generator shed.

- Wildland-Urban Interface. If your generator shed is within a State Responsibility Area (SRA) or other fire hazard severity zone you may have to comply with [CBC Chapter 7A](#) Materials and Construction Methods for Exterior Wildlife Exposure. Refer to [CBC 701A.3](#) to determine if it would be required for your shed.

- Expedited Plan Check. Complete submittals (detailed below) may qualify for an expedited plan check. This means we would issue your permit the same day over the counter. Expedited plan check is offered on a case-by-case basis.

Generator Shed | Submittal Documents

Submittal documents are construction drawings, engineered calculations, forms, installation manuals, and any other documents which will describe the construction of your development. Below is a list of all the submittal documents you could be required to provide for a generic generator shed. The submittal documents required for building permit issuance depend on the geologic/jurisdictional features of your building site and the scale and complexity of your new shed.

Minimum Required Documents

Prior to being issued a building permit you will have to **at least submit the below documents**.

- *Construction Plans*
 - Plot/Site Plan – The plot plan shows the entire parcel including all proposed structures, existing structures, setbacks from property lines, SRA areas, vegetation management area and more. Refer to the [plot plan checklist](#) to see what information a plot plan has.
 - Floor Plan - The floor plan is a birds-eye view showing the dimensions and use of each room in a structure including windows, doors, egress windows, and doors.
 - Electrical Plans – The electrical plans show the layout of all electrical equipment in a floor plan view. Include underground circuit trench details per [CEC 300.5](#).
 - Electrical 1-Line Diagram – The electrical line diagram shows type/size/material/layout of all conduits, conductors, enclosures, and equipment. Include electrical calculations on this sheet.
 - Plumbing Plans – The plumbing plans show the layout of all plumbing equipment in a floor plan view as well as the type/size/material/layout of all piping, enclosures, fixtures, and equipment. Provide trench details if used. Include size and spacing of propane tank to structures (if used) or location of gas service.
 - Elevations Plans – Elevation plans show the height of the proposed structure, details on the exterior walls, required building code notes, and cross section details.
 - Foundation Plan – The foundation plan shows footing details, hold downs, shear wall schedule, required building code notes, and more.
 - Floor Framing Plan – The floor framing plan shows size, type, and spacing of joists, girders, required building code notes, and mechanical fasteners.
 - Roof Framing Plan – Roof framing drawings show critical connections in the roof framing and detail framing members, fastener type/size, required building code notes, and mechanical fastener type and size.

- General Notes – The general notes page will detail California Green Building Standard requirements and will further detail electrical, mechanical, plumbing, sprinkler, and energy code requirements.
- *Forms*
 - Building Application - A building application is used to gather personal information about the applicant and a project description. This must be filled out by the owner or agent.
 - Erosion and Sediment Control Plan for Small Projects – Outlines minimum requirements for sediment and erosion control. Additional requirements may apply depending on the scope of your project.
- *Engineering*
 - Manufacturer Specifications – The specifications for all significant equipment (generator, transfer switch, etc.).
 - Installation Instructions – The installation instructions for all significant equipment (generator, transfer switch, etc.).

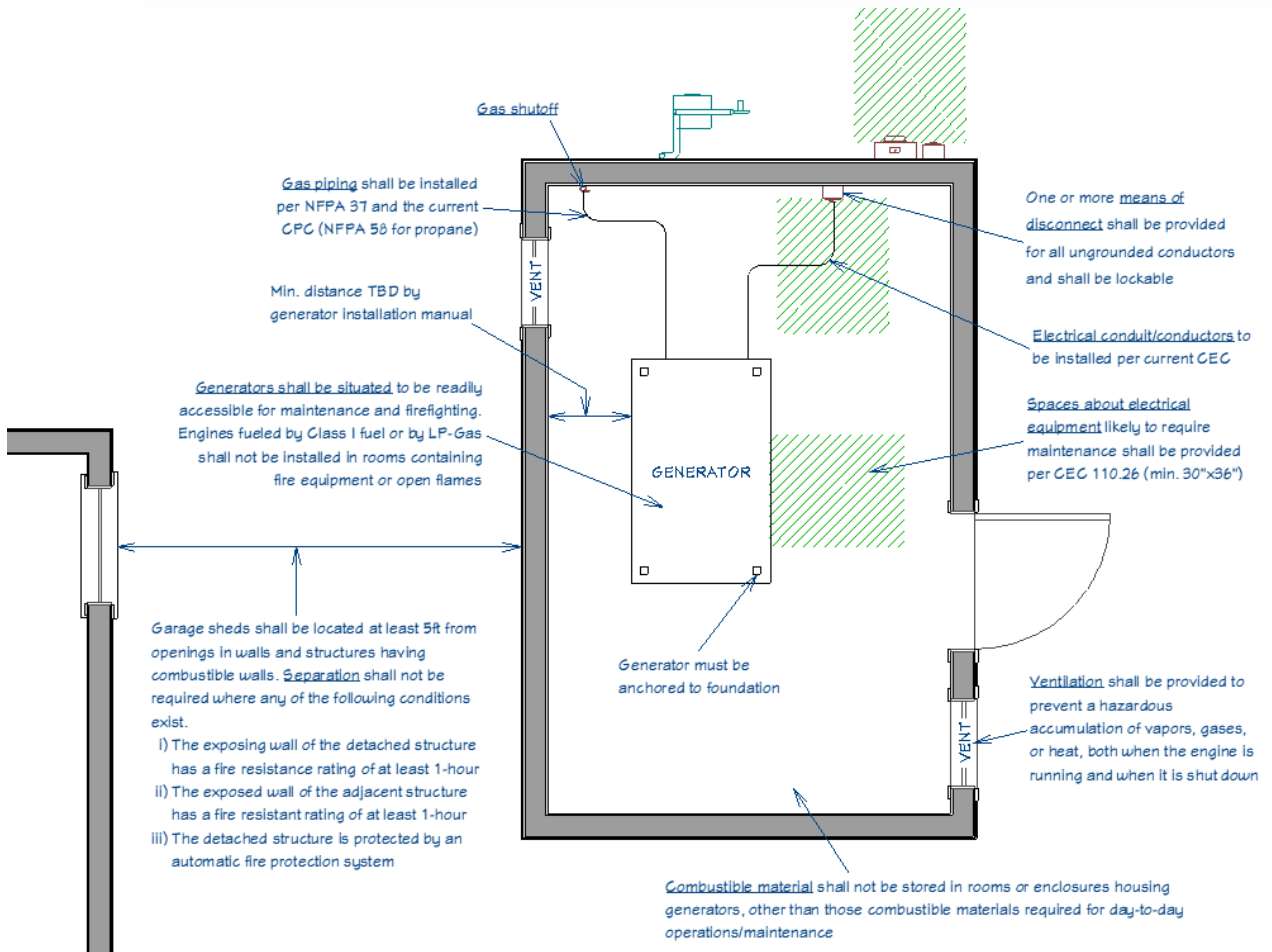
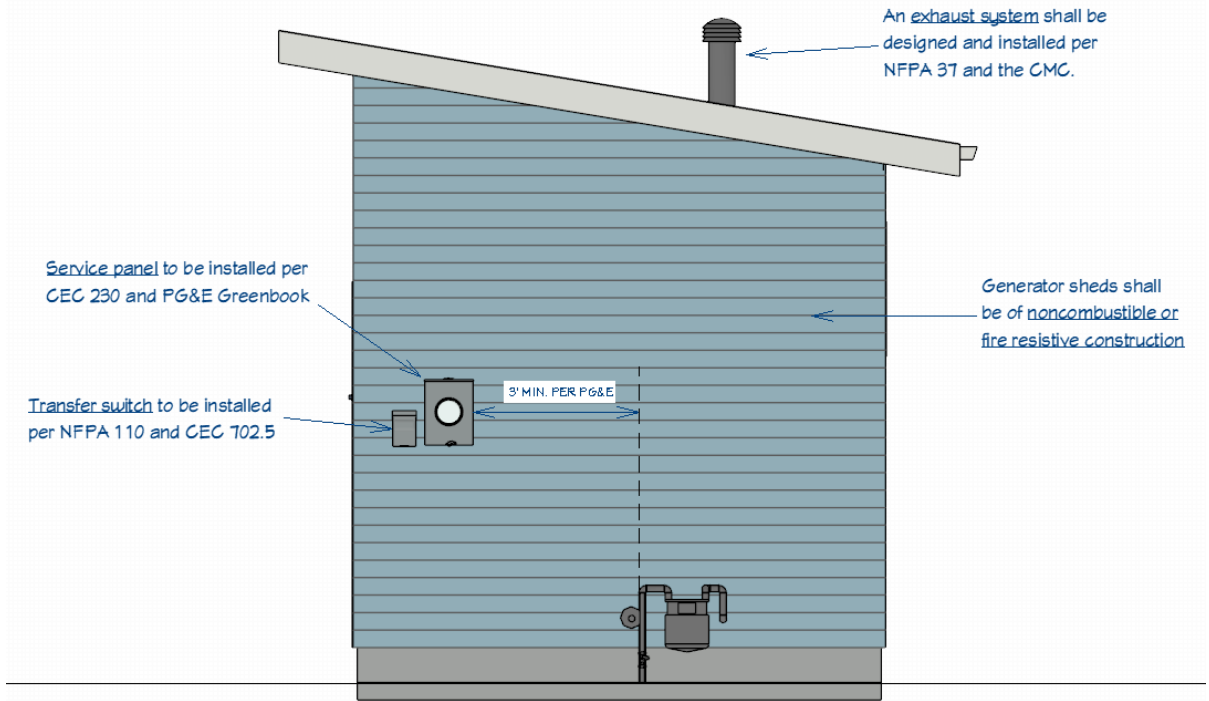
Potentially Required Documents

Prior to permit issuance **you might have to submit some of the below documents** highlighted in red. Additional documents may be required.

- *Construction Plans*
 - Grading Plan – Required if your building site is on an existing or proposed graded flat where over 50 cubic yards of dirt was moved or will be moved. If unusual hazards (high slope, fill seismic instability, liquefaction potential) or natural resources (streamside management area, wetlands) exist at your building site then an engineered grading plan may be required.
 - Stormwater Information Sheet – If you are in the Low Impact Development Area (MS4) and your project requires displacing less than 2,500 square feet of impermeable soil.
 - Stormwater Small Projects – If you are in the Low Impact Development Area (MS4) and your project requires displacing over 2,500 – 5,000 square feet of impermeable soil. Additional documents are needed if more than 5,000.
- *Engineering*
 - Engineered Grading Plan – Required on slopes over 15%, high seismic areas, protected wetlands/SMA, and other areas deemed hazardous and/or protected by the building official.

- Structural Calculations – Required if the building official determines that the structure is being built is outside the prescriptive building code requirements.
- Truss Calculations – If you are using engineered trusses.
- Soils Report – If unusual hazards exist at your building site (over 15% slope, seismic instability, liquefaction potential) or if an engineered grading plan is required.
- Flood Elevation Certificate – If the building site is in the flood zone.
- *Forms*
 - Authorization of Agent – If you want to authorize a 3rd party to act on your behalf.
 - SRA Small Parcel Exemptions – If you want to apply for reduced setbacks in an SRA area.
 - Owner Builder Notice to Property Owner Form – If you want to apply as an owner-builder.

Generator Shed | Floor Plan & Elevation



Generator Shed | Section Detail

