



**Pueblo Regional Building Department**  
**830 N Main St. Suite 100**  
**Pueblo CO 81003**  
**719-543-0002 fax 719-543-0062**

**www.prbd.com**

## **NEW SINGLE FAMILY RESIDENCE PLAN SUBMITTAL**

**Note: Plans submitted are subject to 2015 IRC, 2015 International Energy Conservation Code, and 2015 International Mechanical Code**

**Two (2) complete sets of plans:** Plans shall be of sufficient detail to allow construction without any further information being required from the designer. Plans shall be drawn to an acceptable, approved, architectural scale, dimensioned and consisting of the but not limited to the following:

2 Plans- 2 Foundation- 2 Soils- 2 Res Check- 2 Plot Plans- 2 Manual J & D- 1 Routing

→ **Site Plan: NO LARGER THAN 11X17**

Must contain legal description & Pueblo County Parcel (Schedule) Number.

Show plot of land with all dimensions, streets, roads, and rights-of-way.

Show site of all structures on property with **dimensions from all property lines.**

→ **Title Block:** on first page. Shall include address of job, owners name.

→ **Engineered Footing and Foundation Plans:** Shall require original Colorado Engineer's or Architect's stamp.

When a Colorado Architect or Engineer stamp is required, it must be an original seal and signature dated and must appear on each sheet of design drawings and all other documents submitted. **Copies are not acceptable.**

→ **Engineered Soils Report:** Shall require original Colorado Engineer's or Architect's stamp.

When a Colorado Architect or Engineer stamp is required, it must be an original seal and signature dated and must appear on each sheet of design drawings and all other documents submitted. **Copies are not acceptable.**

→ **Drawings to include:**

- Floor plan shall include room usage and location and sizes of all openings. This will include but not be limited to windows, doors, vents, stairs, crawl space access, etc.
- Elevation drawings four (4) views of structure(s) shall include but not be limited to dimensions, grade levels, windows, doors, guardrails, steps, stairs, basement lines, decks, patio covers, and porches. The elevation drawing shall also include identification of exterior materials.
- Building wall section through the structure(s) shall include framing details, floors, decking, basement walls, insulation, U-factors, R-Values, and foundation. A typical wall section shall note all pertinent information from foundation to the roof.
- Miscellaneous details such as special conditions, narrow wall bracing, etc. detailed drawings of those conditions are required on plans.

→ **Energy Calculations:**

- Prescriptive per chapter 11 of the 2015 IRC.
- UA alternative per the 2015 IRC/ResCheck Software ([www.energycodes.gov/rescheck](http://www.energycodes.gov/rescheck))
- Performance per section 405 of the 2015 IECC

Section 401.3 Certificate I.E.C.C.

- A permanent certificate shall be posted on or in the electrical distribution panel.
- It shall list predominant R-values of insulation installed in or on ceiling/roof, walls, foundation, and ducts outside conditioned spaces
- List the types and efficiencies of heating, cooling, and service water heating equipment.

→ **Required Project Approval Sheet/ Routing**

- This form is issued by the Pueblo Regional Building Department and needs to be approved and signed off by the required agencies.
- If the list requires an approval for permit or certificate of occupancy and the agency states that it is not required, the form is required to state such and be signed by the agency.

→ **Mechanical plan review requirements (Manual J&D):**

→ Drawings shall provide an HVAC layout with equipment locations

- Air distribution ductwork and sizes
- Air intake and exhaust locations
- Gas and refrigeration piping layout including gas meter location
- Fan and pump type location
- Control diagram indicating type of HVAC control specific to the equipment being controlled
- Water heater system layout with equipment locations, gas and water piping diagram and water heater information.

→ In schedules

- List heating and cooling equipment capacity, types, sizes and efficiency, fan horsepower, and airflow capacity as well as outside air volume.
- Duct insulation R-values, pipe insulation thickness and k-values (thermal conductivity per inch).