

City of Casper

# Building Guide

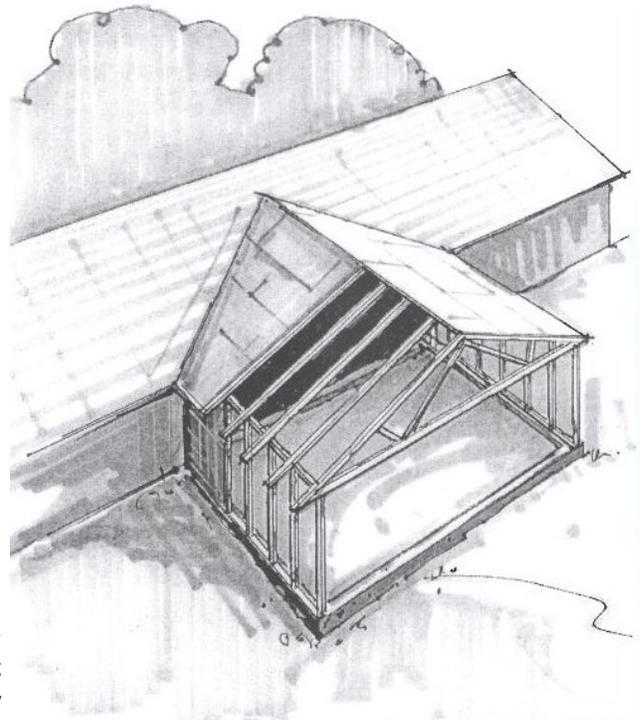
## Single Family Residential Addition

### How to Use this Guide

Provide a set of plans, and complete the following:

1. **Complete this Building Guide** by filling in the blanks on page two and indicating which construction details will be used and the R value of insulation used.
2. **Provide a Plot Plan** (site plan) showing dimensions of your project or addition and its relationship to existing buildings or structures on the property. Show all easements and the distance to existing property lines, drawn to scale.
3. **Provide a Floor Plan.** Drawn to scale. See example on page 4.
4. **Fill out a Building Permit Application.**

The majority of permit applications are processed with little delay. The submitted documents will help determine if the project is in compliance with building safety codes, zoning ordinances and other applicable laws.

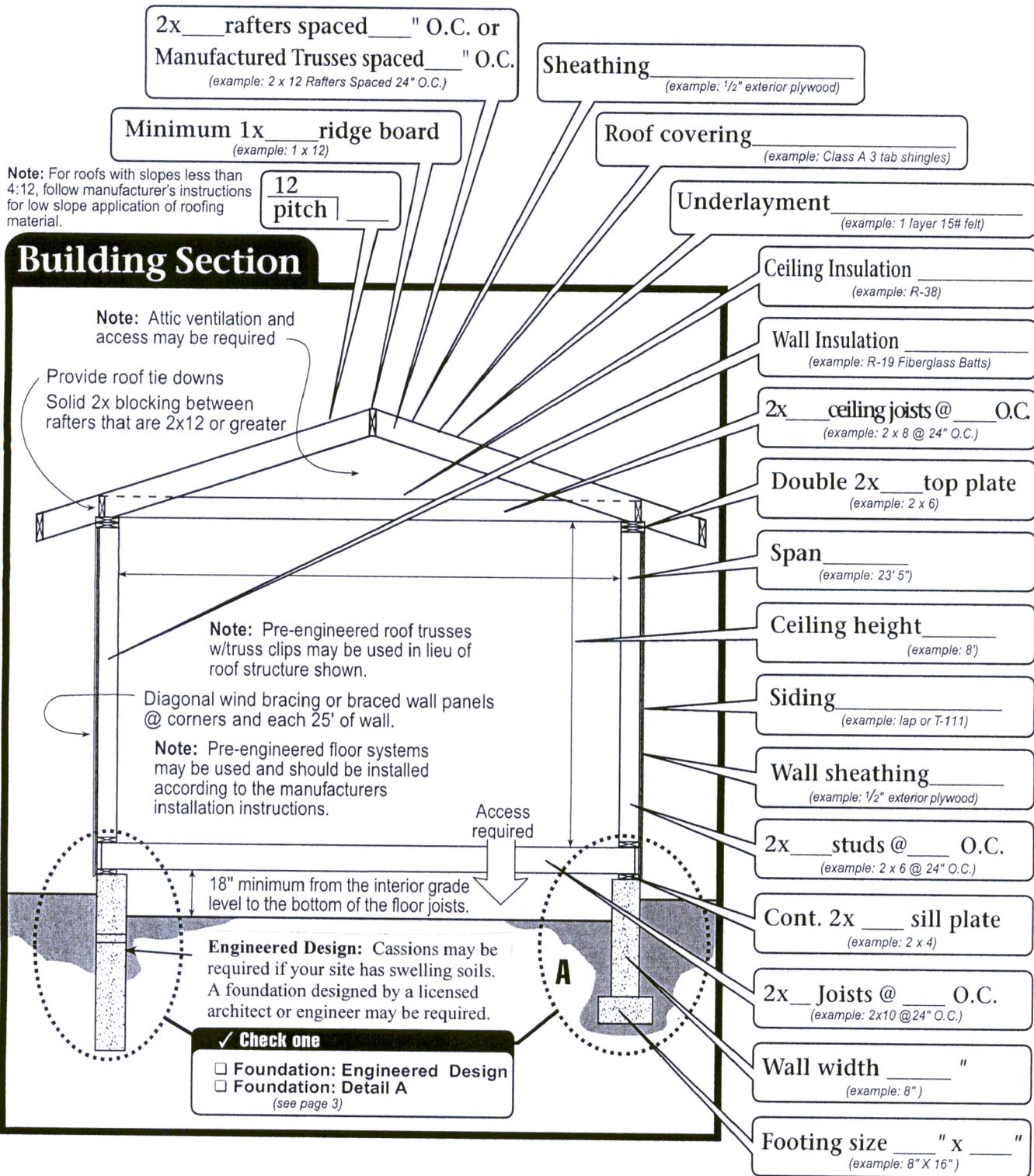


Smoke alarms are required to be hardwired and interconnected in new and existing bedrooms, halls and on each level unless removal of interior wall or ceiling finishes would be required. In this case, battery operated devices are acceptable. Carbon monoxide alarms are required in the vicinity of any new or existing bedrooms in dwelling units within which fuel-fired appliances are installed or exist or in any dwelling units with attached garages.

The City of Casper and the International Code Council is a professional organization seeking to promote the public health, safety and welfare to building construction. We appreciate your feedback and suggestions. Contact the City of Casper, Community Development Building Department at (307) 235-8264 with any questions or visit the web at [www.casperwy.gov](http://www.casperwy.gov).

This handout was developed by the City of Casper and the International Code Council as a basic plan submittal under the 2015 International Residential Code. It is not intended to cover all circumstances. Check with the Community Development Building Department for additional requirements.

# Single Family Residential Addition



Property Address: \_\_\_\_\_

**All plan reviews are subject to field inspections.**

# Single Family Residential Addition

## Heads Up

### Site Plan

1. **When drawing your plot plan** be sure to show the location of electric, gas, sewer and water service lines. If you don't know where they are, call the One-Call of Wyoming, 1-800-849-2476. They will come out and locate lines for you.
2. **Show where the existing** electric and gas meters are located on your home. These meters may have to be relocated and it is best to know this before you start construction.

### Floor Plan

1. **Smoke Alarms.** Smoke alarms are required to be hard-wired and interconnected in new and existing bedrooms, halls and one on each level unless removal of interior wall or ceiling finishes would be required. In this case, battery operated devices are acceptable.
2. **Carbon Monoxide Alarms:** For new construction or in any existing dwellings where work requiring a permit occurs, an approved carbon monoxide alarm shall be installed outside of each separate sleeping area in the immediate vicinity of the bedrooms in dwelling units within which fuel-fired appliances are installed and in dwelling units that have attached garages.

3. **Additions not to enclose** bedroom or basement egress windows.
4. **Safety glass is required** at specific locations. When you draw in the location of the new windows on the floor plan, the plan reviewer can identify which ones require safety glass.
5. **Heat is required** in all habitable rooms. Show how the addition will be heated on the plan.

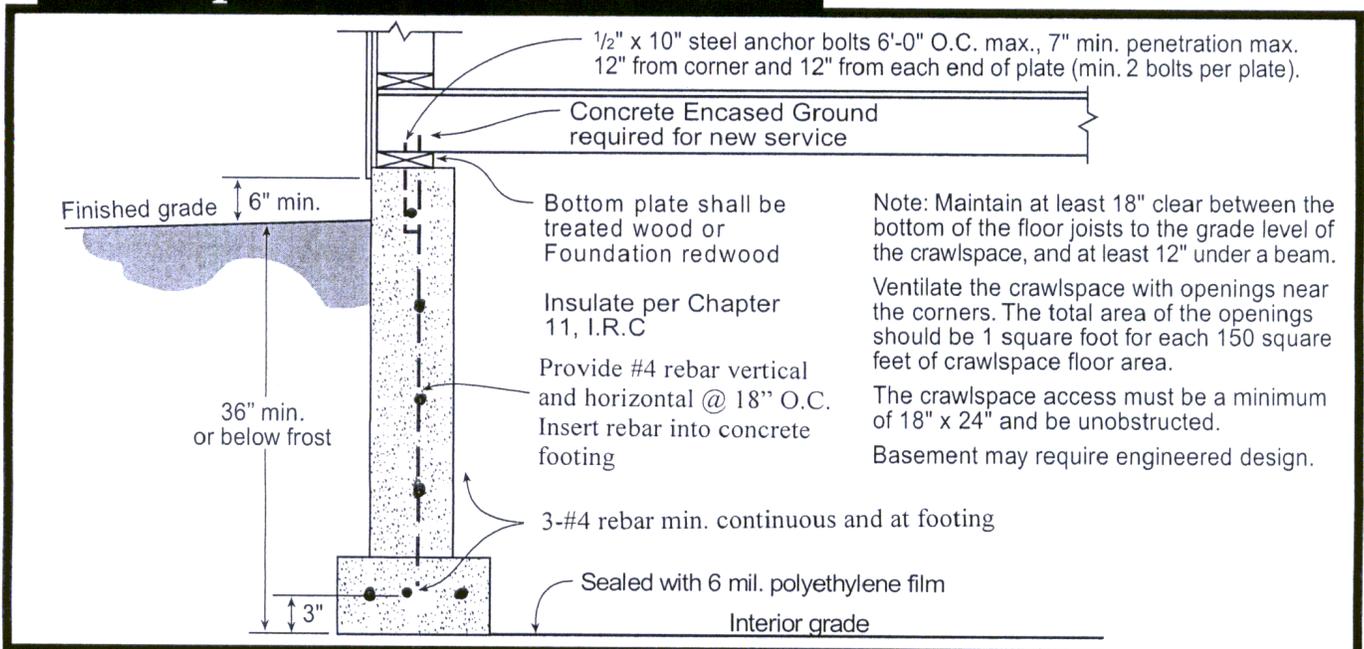
### Electric Code

**Existing electric service** may require an upgrade or relocation. Indicate the size of your electric service (the number on the main breaker) on your plan. This can help the plan reviewer determine if an upgrade is needed before you start construction.

### Roof Overframe

**When constructing a new valley,** use a continuous board under the bottom cut of the new rafters to provide a solid nailing surface. The board should be at least 2" thick, nominal and should be at least as wide as the base of the new rafter.

## Crawlspace Foundation Detail A



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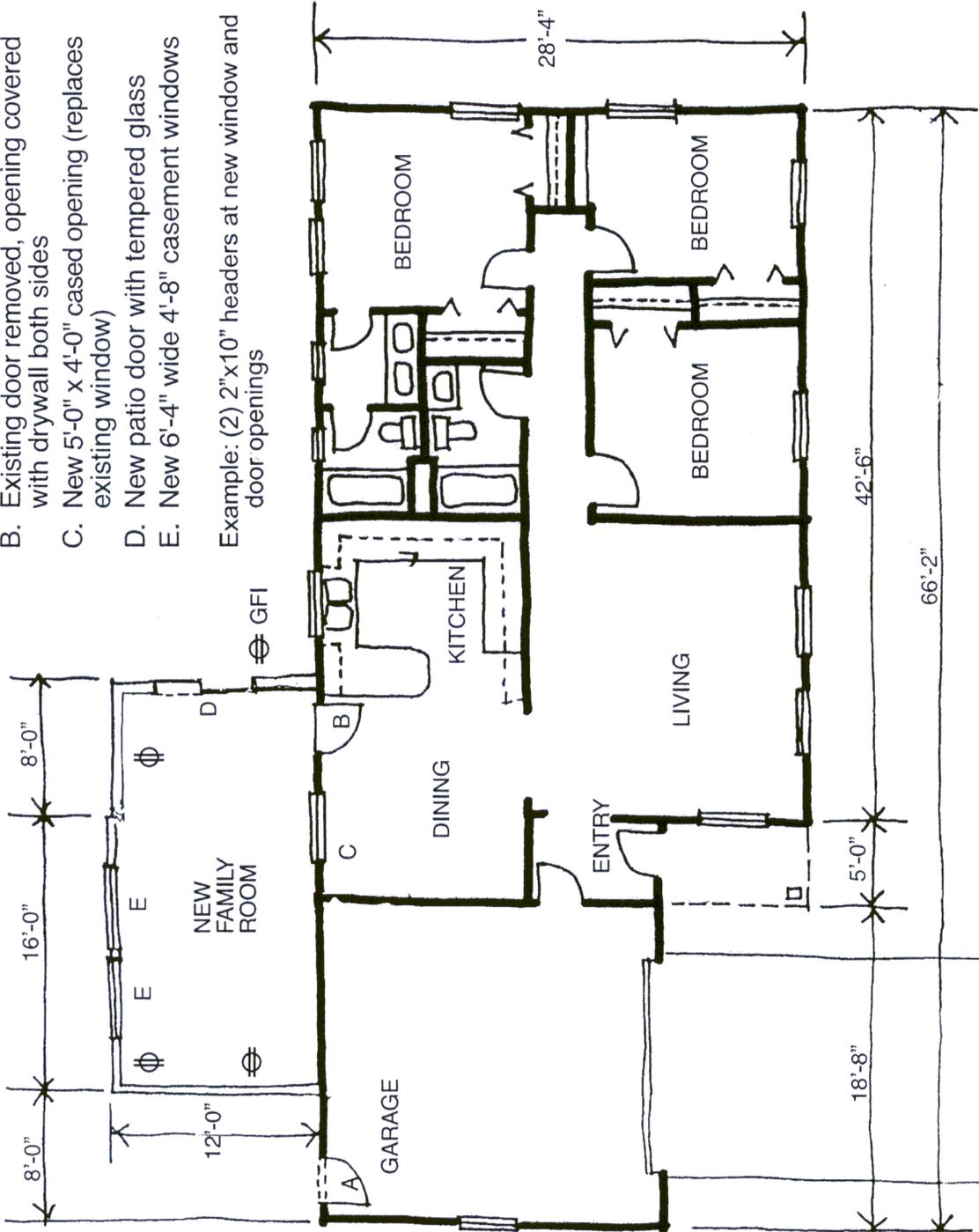
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## Sample Floor Plan

### NOTES:

- A. New 3'-0" x 6'-8" door in existing wall
- B. Existing door removed, opening covered with drywall both sides
- C. New 5'-0" x 4'-0" cased opening (replaces existing window)
- D. New patio door with tempered glass
- E. New 6'-4" wide 4'-8" casement windows

Example: (2) 2"x10" headers at new window and door openings



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