Single Family Residential Addition Building Guide

equirements for ermit ubmittal

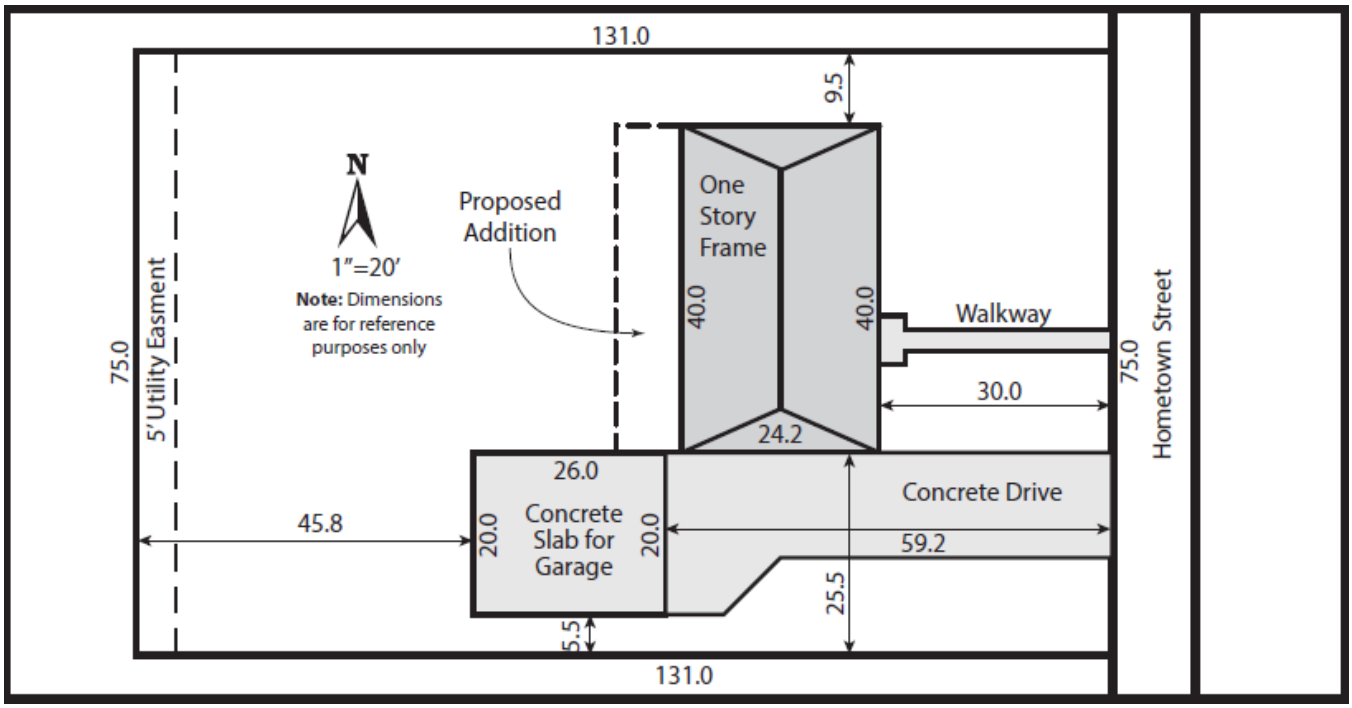
1. **Complete this Building Guide**
2. **Provide 1 plot plan, electronic or on 8.5 x 11in paper** (example below)
3. **Provide floor plan, electronic or on 8.5 x 11in paper** (example pg 4)
. **Fill out Building Permit Application**

NOTE- AN ADDITION MUST HAVE A COMMUNICATING OPENING (SEE DEFINITION)

The City of oveland processes all permit submittals electronically. ubmittals can be emailed in to eplan res cityofloveland.org. Once a full submittal is received and accepted through the check in process, the review time is business days.

The documents submitted help determine if the pro ect is compliant with the International esidential Code, City of oveland unicipal Codes, oning ordinances, and other applicable laws.

Plot Plan Example:

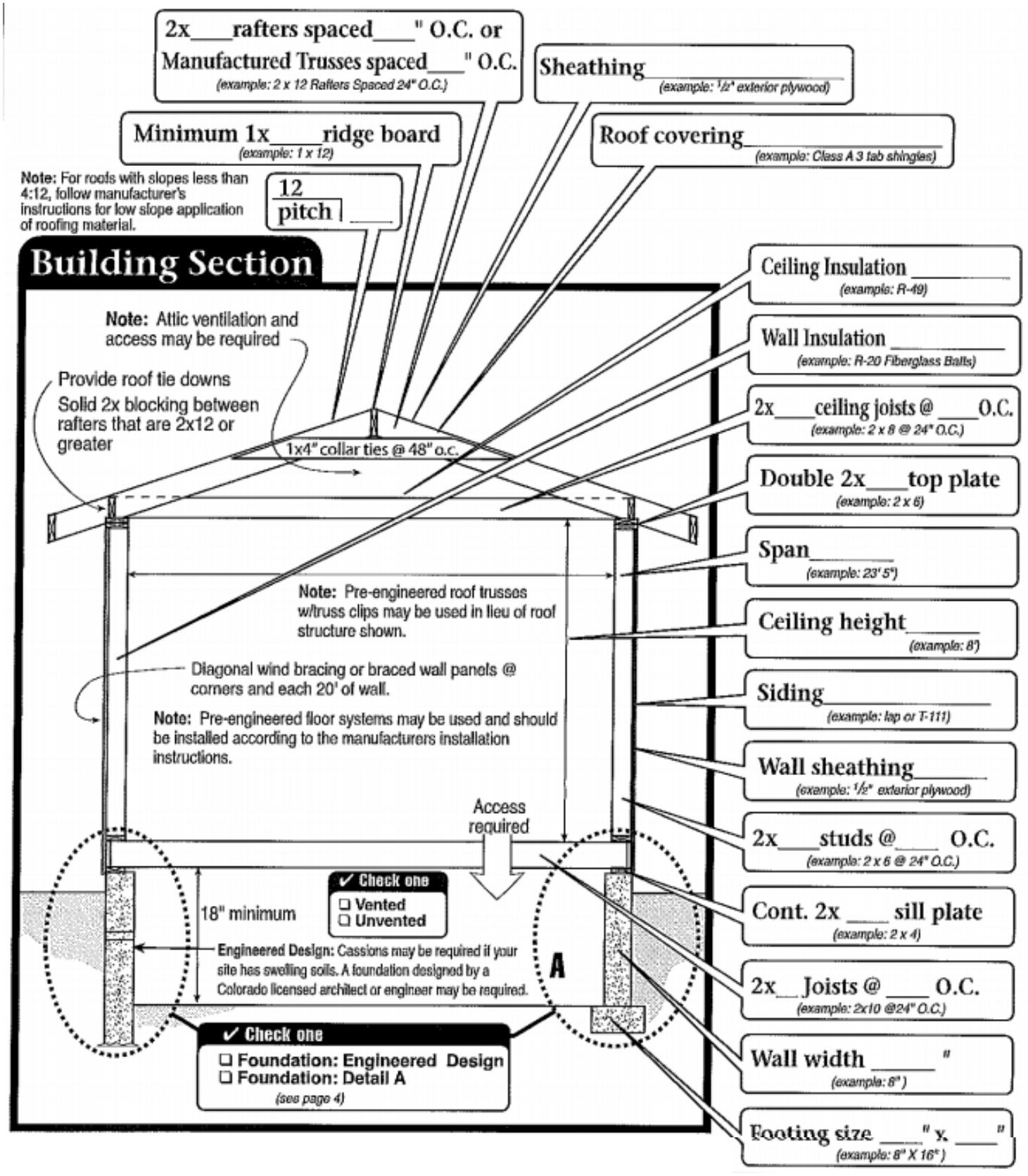


The plot plan must include:

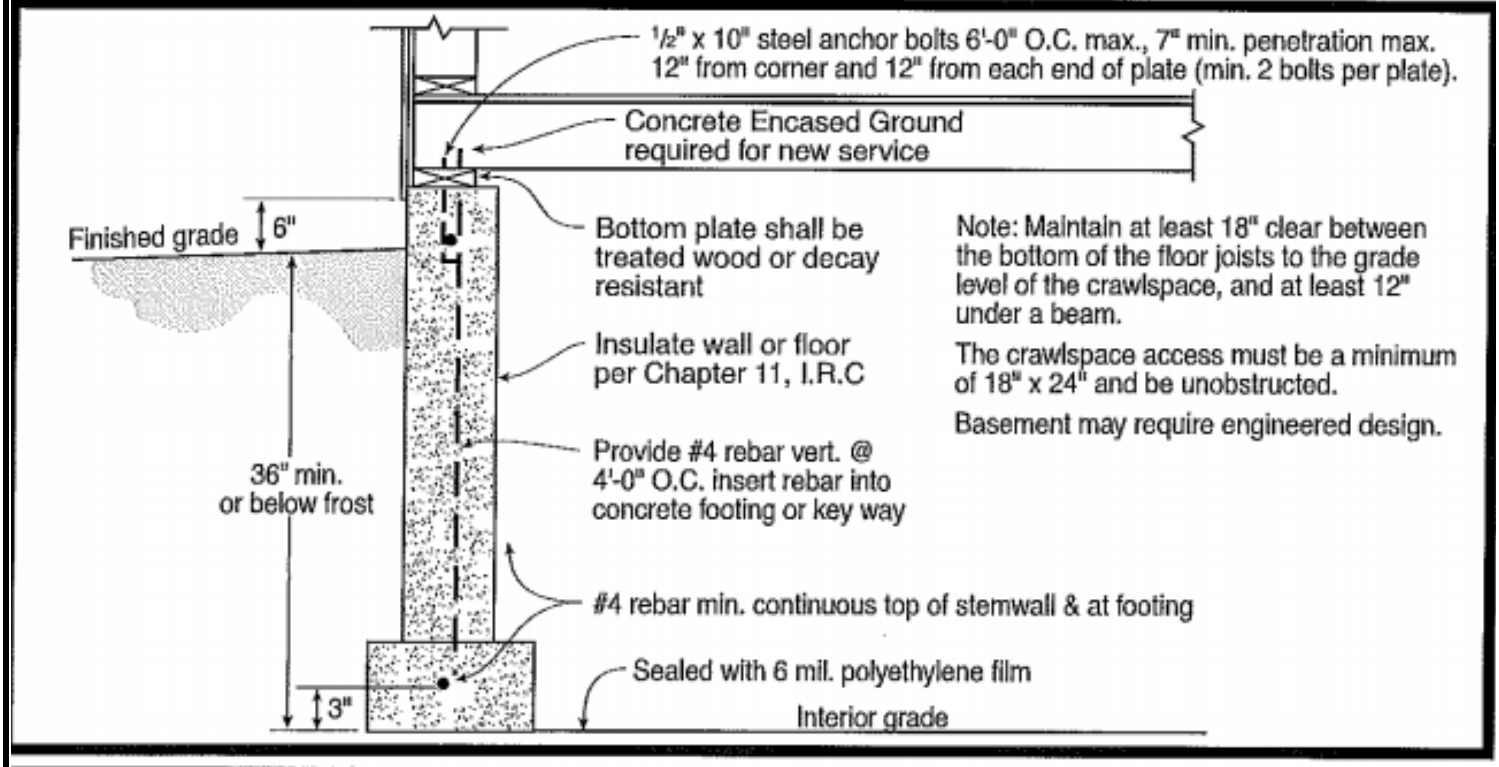
. imensions of the home and the detached garage.
2. imensions of the entire lot, showing any easements.
3. istances from each edge of proposed structure to each lot line.

Directions:

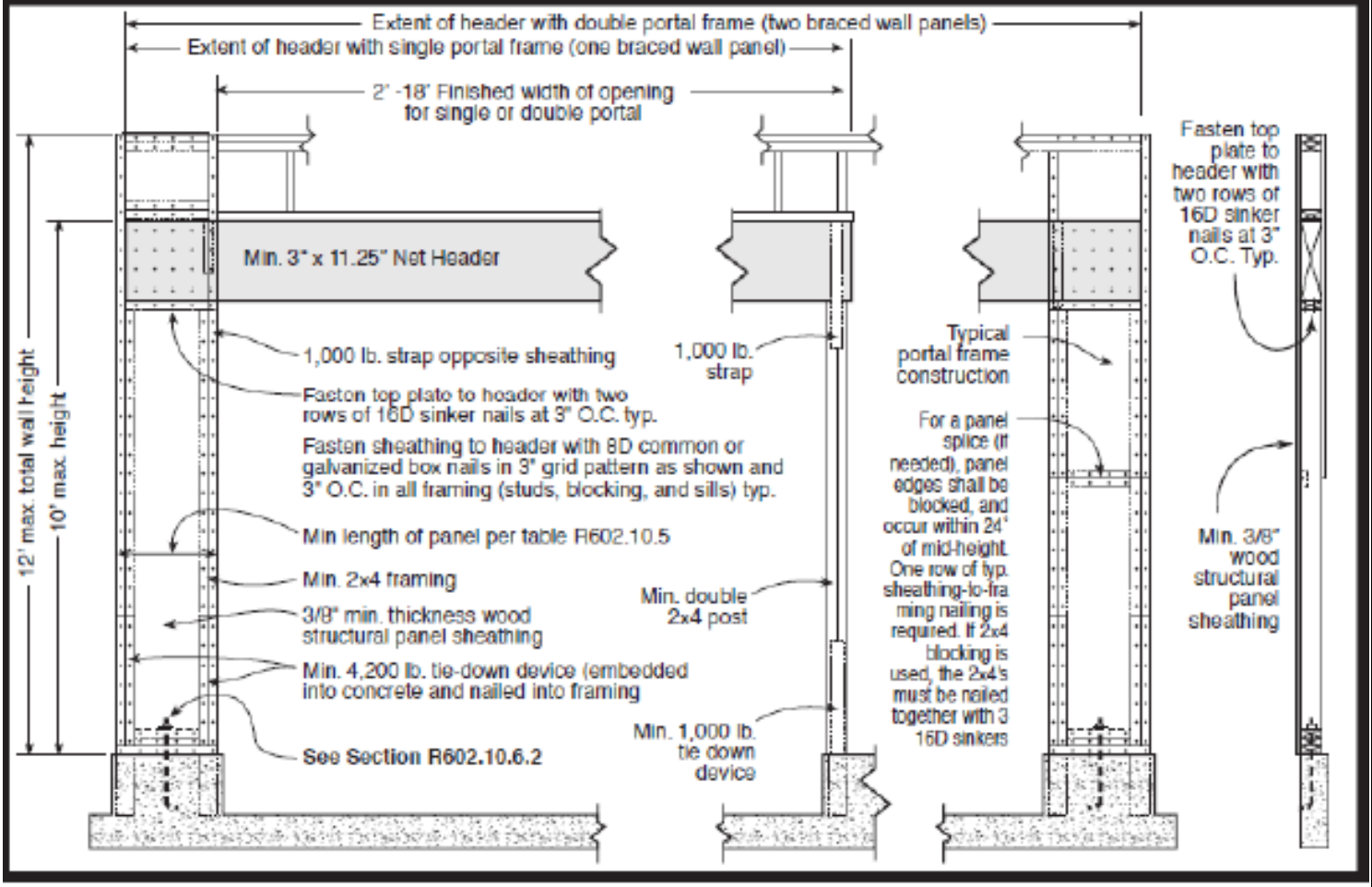
Fill in the lan s in the or sheet elo and include dimensions and materials used. Use the chec oxes in the or sheet to specify hich details (page 3) ill e used.



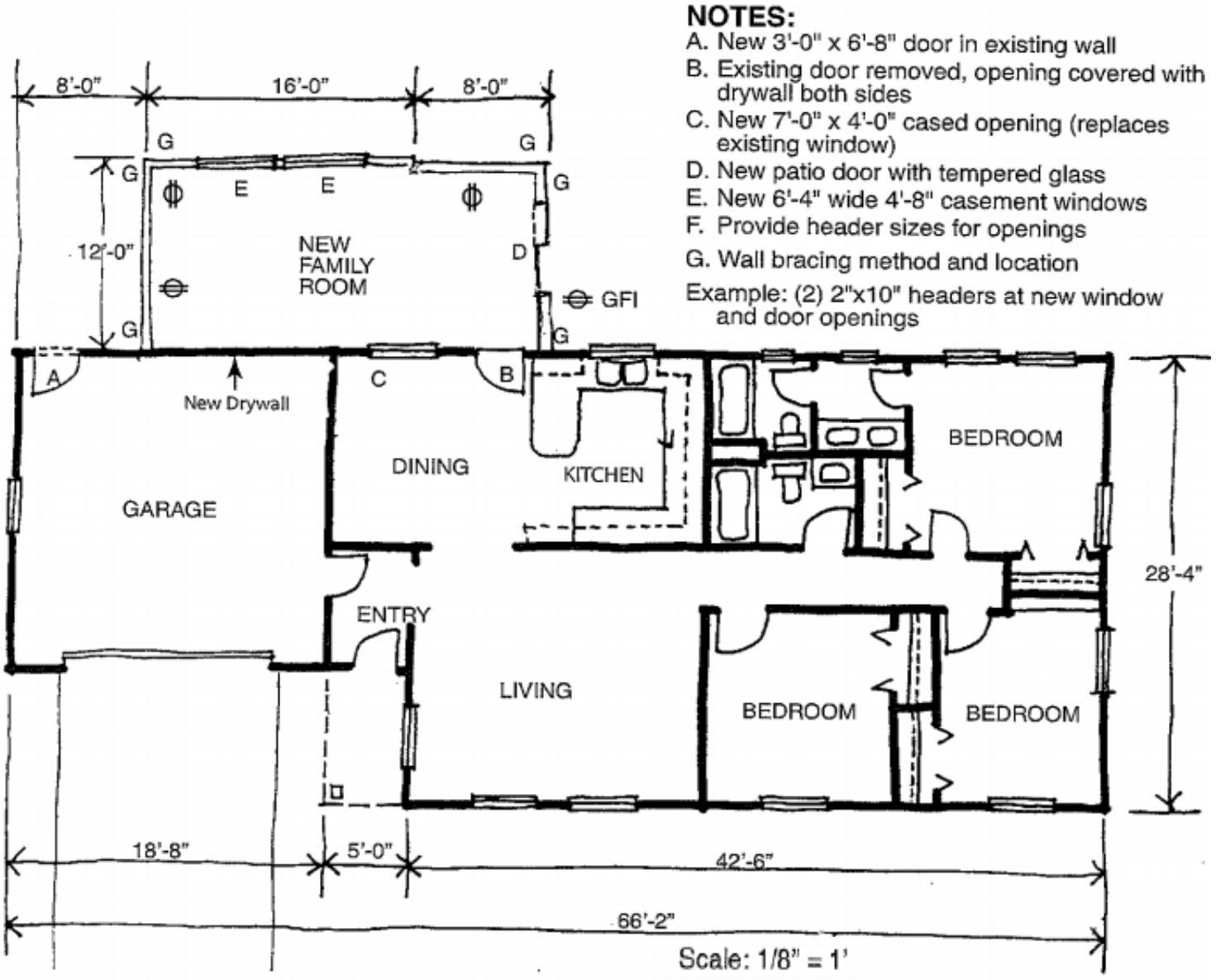
Crawlspace Foundation Detail A



Braced Wall Panel Detail figure 602.10.6.2



Sample Floor Plan:



Floor plan must include existing home and addition, as ell as:

1. Dimensions of rooms
2. Label all rooms
3. Detail windows and door openings/direction of door swing
4. Location of plumbing, mechanical (heat is required in habitable rooms), and electrical fixtures
5. Utility room appliances labeled
6. Smoke and CO alarms

Note: Existing electric service may re uire an upgrade or relocation. Indicate the si e of your electric service (the num er on the main rea er) on your plan. This can help the plans examiner determine if an upgrade is re uired prior to construction.

Note: engineered foundations re uire an inspection from an engineer, a letter must e provided to the uilding inspector

*This handout is based on the Building Guides developed by the Colorado Chapter of the International Code Council.

City of oveland Building Permit Application Residential Addition

PERMIT NUMBER: _____

Items in red are REQURED for permit submittal

Existing Structure Type: _____

Address: _____

Owner Name: _____ Address: _____

Owner Phone: _____ Owner Email: _____

Contact Name: _____ Business: _____ _____

Contact Phone: _____ Contact Email: _____

General Contractor Business Name: _____ City License # _____

General Contractor Name: _____ Valuation: _____

Electrical Contractor: _____ Sub-valuation: _____

Mechanical Contractor: _____ Sub-valuation: _____

Plumbing Contractor: _____ Sub-valuation: _____

Number of Bathrooms (1/2)	
Number of Bathrooms (3/4)	
Number of Bathrooms (Full)	
Number of Bedrooms-Basement Only	
Number of Bedrooms-Excluding Basement	
Number of Dwelling Units	
Number of Stories	
1st Sq. Ft	
2nd Sq. Ft	
Basement Sq. Ft (Finished)	
Basement Sq. Ft (Unfinished)	
Structure Height (Ft)	
Sq. Ft of Covered Deck Area	
Sq. Ft of Uncovered Deck Area	
What is the Energy Code Compliance Method?	Choose One
* If Prescriptive indicate R-Value of insulation	
Number of Fireplaces/Pits-Gas	
Number of Fireplaces/Stoves-Wood	
Fire Protection of Floors Method	Choose One
Garage Sq. Ft	
Sq. Ft of Patio Covered Area	
Sq. Ft of Uncovered Patio Area	
Sq. Ft of Covered Porch Area	
Sq. Ft of Uncovered Porch Area	
What is the Type of Heat?	Choose One
Garage Type (ex: 2-car attached)	
Total New Square Footage of Project	

Work description:

I certify this application is correct. I agree to perform the work described according to plans and pecifications submitted and approved. I agree to comply with all city ordinances, state laws and building codes.

dditionally, **I UNDERSTAND THAT I AM RESPONSIB E FOR AN FEES OR E PENSES INCURRED FOR P AN REVIE , PERMITS, INSPECTIONS AND OTHER FEES ASSOCIATED ITH THIS APP ICATION. FAI URE TO PIC UP AND PA FOR THIS PERMIT ITHIN DA S OF APPROVA I RESU T IN THE APP ICATION BEING C OSED AND THE P AN CHEC FEES BEING ASSESSED. A FEES UNDER THIS APP ICATION THEN BECOME NU AND VOID**.

This application does not authori e any work within the right of way or curb cuts contact ublic orks at 62 25 6.

Signature Date

Office Use Only

City Calculated Valuation: $_____ PCF Due $_____

PCF Receipt Sent:_____ PCF Received: _____

Entered by:_____ Date:_____ PERMIT NUMBER: _____

Phone: 970-962-2505 * Email: eplan-res@cityofloveland.org * Inspection Line: 970-962-2100

City of Loveland

City of Loveland
Development Services Department

Building Division 410 E. 5th Street Loveland, CO 80537
General Information ( ) 62 25 5
Inspection ine ( ) 62 2

Vapor Barrier / Concrete Slab Affidavit

This form must be signed by the contractor or homeowner performing the work and then emailed to buildinginspectionletters@cityofloveland.org. Once e-mailed, call in for the inspections (affidavits are not saved if inspections are not called in).

Building Permit Number_____

Job Address_____

Company Name_____

Company Address_____

The design and construction of the concrete on the ground floor complies with the following provisions of the 2024 International Residential Code:

- **R506.1 General.**
  Concrete slab-on-ground floors shall be designed and constructed in accordance with the provisions of this section or ACI 332. Floors shall be a minimum 3 1/2 inches (89 mm) thick (for expansive soil, see Section R403.1.8). The specified compressive strength of concrete shall be as set forth in Section R402.2.

  Thickness: _____
  Concrete Compressive Strength: _____

- **R506.3 Site preparation.**
  The area within the foundation walls shall have all vegetation, topsoil, and foreign material removed.

- **R506.3.1 Fill.**
  Fill material shall be free of vegetation and foreign material. The fill shall be compacted to ensure uniform support of the slab, and except where approved, the fill depths shall not exceed 24 inches (610 mm) for clean sand or gravel and 8 inches (203 mm) for earth.

  Fill material: _____

  Fill depth: _____

- **R506.3.2 Base.**
  A 4-inch-thick (102 mm) base course consisting of clean graded sand, gravel, crushed stone, crushed concrete or crushed blast-furnace slag passing a 2-inch (51 mm) sieve shall be placed on the prepared subgrade where the slab is below grade.
- **R506.3.3 Vapor retarder.** A minimum 6 mil (0.006 inch; 152 mm) polyethylene or approved vapor retarder with joints lapped not less than 6 inches (152 mm) shall be placed between the concrete floor slab and the base course or the prepared subgrade where a base course does not exist.

  Vapor Retarder material: _____

  Vapor Retarder thickness: _____

  Exceptions: The vapor retarder is not required for the following:

  . Garages, utility buildings, and other unheated accessory structures.

  2. For unheated storage rooms having an area of less than 70 square feet (6.5 m2) and carports.

  3. Driveways, walks, patios, and other flatwork that will not be enclosed and heated later.

  4. Where approved by the building official, based on local site conditions.
- **R506.3.4 Reinforcement support.**
  Where provided in slabs-on-ground, reinforcement shall be supported to remain in place from the center to the upper one-third of the slab for the duration of the concrete placement.

  Reinforcement size and spacing: _____
- **A photo sho ing the completed vapor retarder installation is required as part of this affidavit.**

Certification: *I hereby certify that the information above is accurate and the installation of the vapor barrier conforms to the 2024 International Residential Code requirements.*

Print Name of Owner or Vapor Barrier Installer:

_____

Signature of Owner or Vapor Barrier Installer:

_____