Department of Building Safety
101 4th Street East, Hastings, MN 55033
p. 651-480-2342 f. 651-437-1654
www.hastingsmn.gov

Addition Plan Information Handout

These illustrations are only examples. Your drawings must be to scale.

These examples show the detail required for plan submittals to the Building and Inspection Division. From your drawings, plan reviewers should be able to build the project themselves.

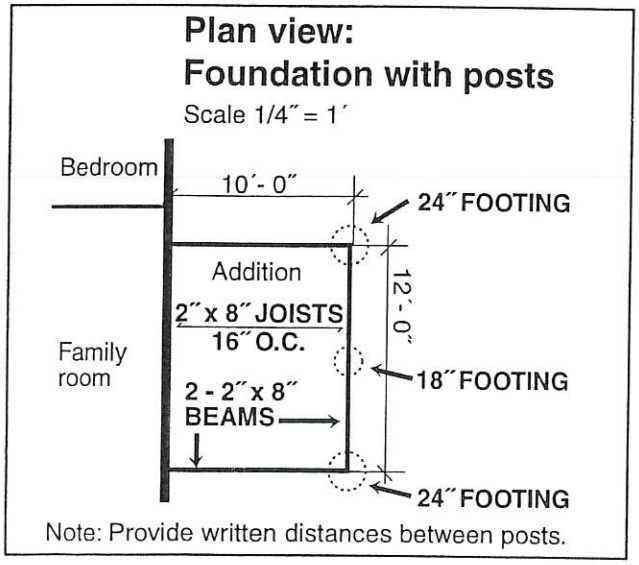
The following are required when submittting proposals:

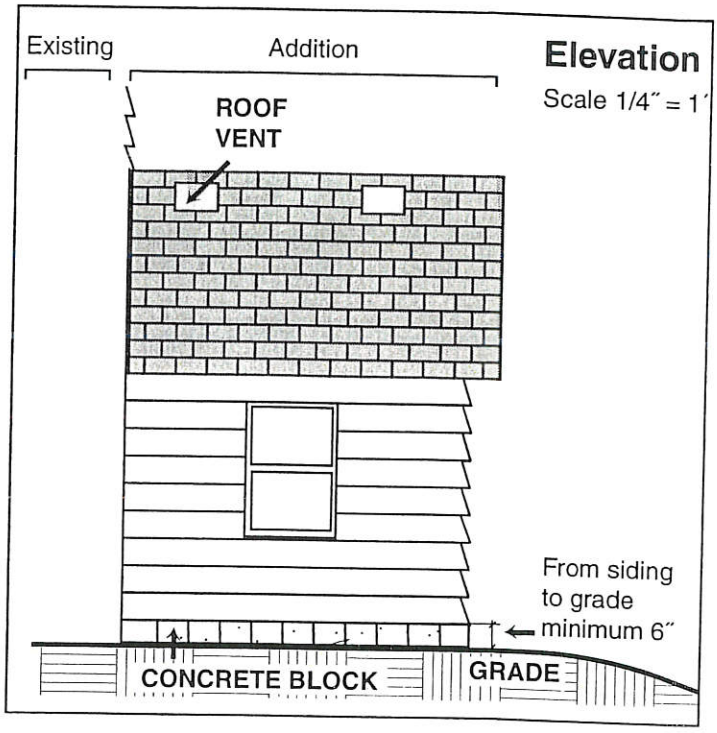
- **Two sets of plans**, drawn to scale.
- A **minimum** of one elevation, one plan view per floor level and one section view per area being added.
- A **survey map** showing the location of your project. Call or visit the Building and Inspection Division to see if your property has a survey available.
- Although you do not need to draw plumbing, electrical or heating plans, separate permits are required. The building permit covers **only** structural, insulation and finish products.
- Heated additions require a RESCHECK worksheet. *See page 4.*

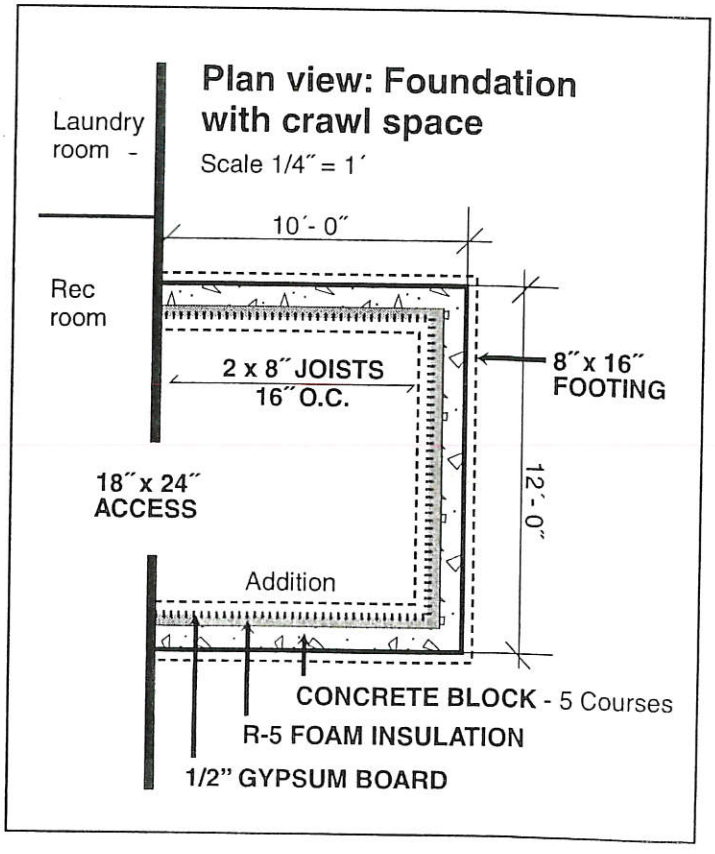
Plan view: Foundation

- Locate addition in relation to existing home.
- Indicate whether the addition is a crawl space, full depth foundation or post footings.
- Include written dimensions and locations.
- If it is being built on post footings, the footings must be sized for submittal of plans.

See graphic at right, below and page 2.



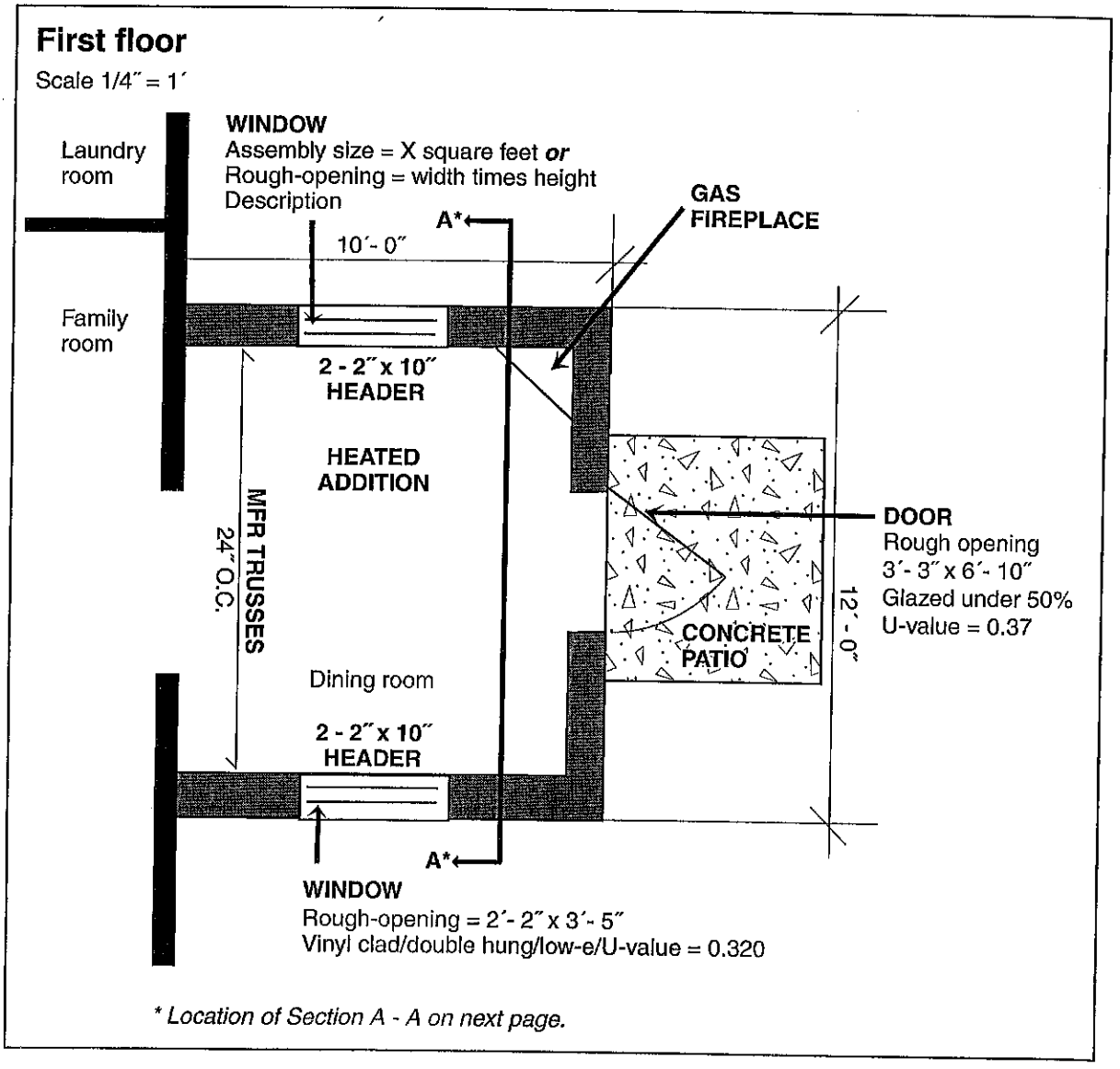




Plan view: Floor

- Draw to scale.
- Note the scale you use on the drawing.
- Include written dimensions on the plan.
- Locate all doors and windows.
- Provide rough opening sizes and U-values from the manufacturer for each window unit and door.
- Provide header and beam sizes, as well as type of material being used. (e.g. 2 - 2" x 10" Doug Fir or 2 - 9-1/2" LVLs.)
- Provide a floor plan for **each** level being built.
- Indicate direction and spacing of joists, rafters/trusses, e.g. 12", 16" or 24" on center.
- Indicate the use (e.g. bathroom, family room, bedroom) of the new room(s) and those adjoining the addition.

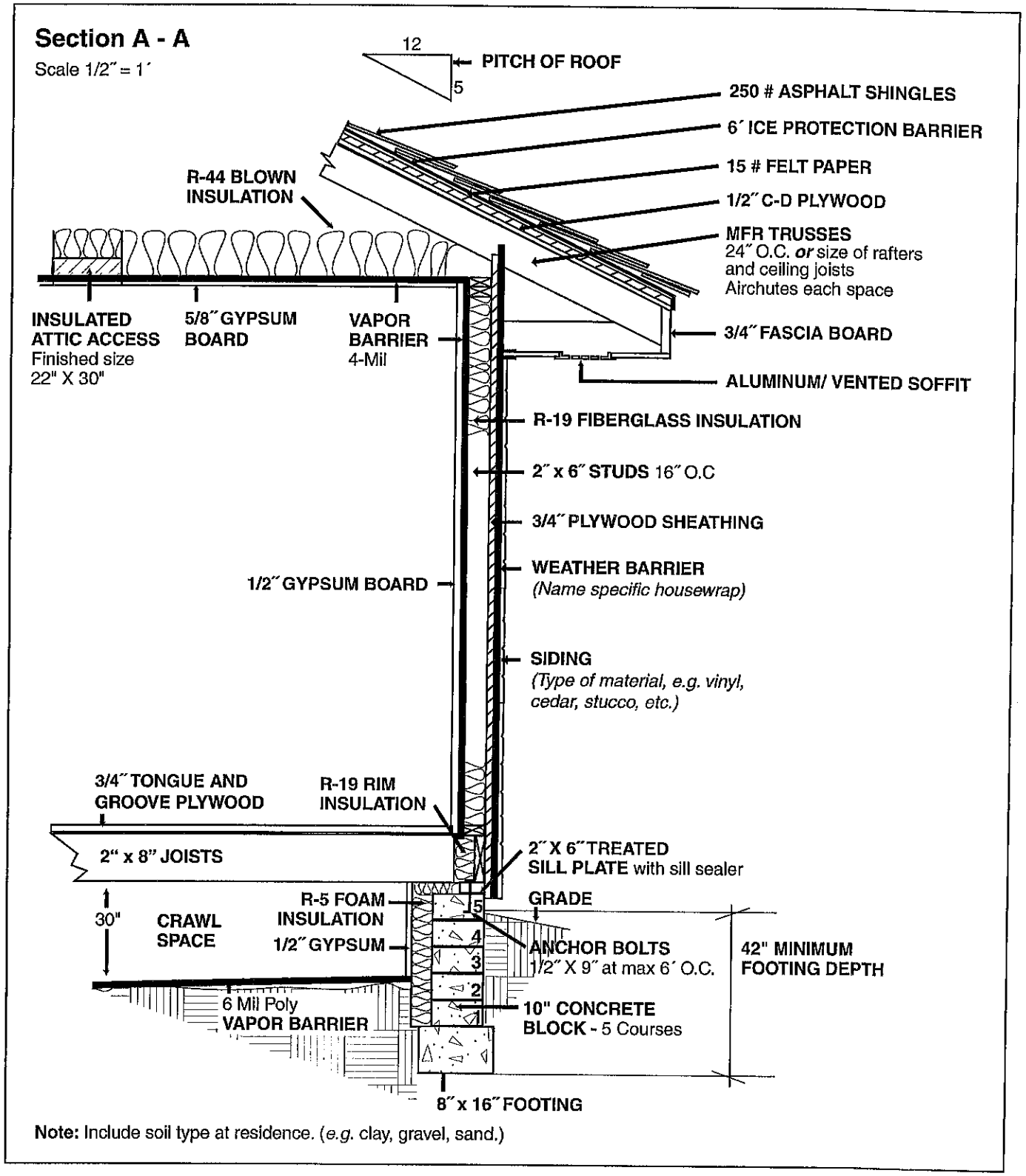
See graphic below.



Section view

If more than one area is being built, provide one section view for each area. *See graphic below.*

Note: Materials, types and sizes are given for example only.



Note: Include soil type at residence. (*e.g.* clay, gravel, sand.)

Heated additions

To ensure that your project is in compliance with energy codes, go to RESCHECK and complete the worksheet. Building and Inspection information handout *RESCHECK* has more information or go to www.energycodes.gov/rescheck/download.stm. *See example below.*

Permit Number

Checked By/Date

RES*check* Compliance Certificate
2000 Minnesota Energy Code
RES*check* Software Version 3.6 Release 1a
Data filename: C:\Program Files\Check\REScheck\johnqhomeowner.rck

PROJECT TITLE: Addition

EXAMPLE

COUNTY: Hennepin
STATE: Minnesota
ZONE: 2
CONSTRUCTION TYPE: Single Family
WINDOW / WALL RATIO: 0.08

DATE: 02/03/05
DATE OF PLANS: 2/03/2004

PROJECT DESCRIPTION:
John Q. Homeowner
2004 Energy Lane
Bloomington, MN 55400

DESIGNER/CONTRACTOR:
John Q. Homeowner

COMPLIANCE: Passes
Maximum UA = 46
Your Home UA = 45
2.2% Better Than Code (UA)

	Gross Area or Perimeter	Cavity R-Value	Cont. R-Value	Glazing or Door U-Factor	UA
Ceiling 1: Flat Ceiling or Scissor Truss	120	44.0	0.0		3
Wall 1: Wood Frame, 16" o.c.	288	19.0	0.0		14
Window 1: Above-Grade:Vinyl Frame:Double Pane with Low-E	24			0.320	8
Door 1: Solid	20			0.370	7
Crawl 1: Masonry Block with Empty Cells	112	0.0	5.0		13
Wall height: 3.4'					
Depth below grade: 2.8'					
Insulation depth: 3.4'					
Furnace 1: Forced Hot Air, 90 AFUE					
Air Conditioner 1: Electric Central Air, 10 SEER					

COMPLIANCE STATEMENT: The proposed building design described here is consistent with the building plans, specifications, and other calculations submitted with the permit application. The proposed building has been designed to meet the 2000 Minnesota Energy Code requirements in RES*check* Version 3.6 Release 1a (formerly MEC*check*) and to comply with the mandatory requirements listed in the RES*check* Inspection Checklist.

Builder/Designer John Q. Homeowner Date 2/3/05