



City of Worthington
303 9th Street
Worthington, MN 56187
507-372-8640

NEW HOME/MULTI FAMILY CONSTRUCTION WORKSHEET

Name of Owner(s): _____

Address of Home: _____

Contractor: _____

PIN: _____

Instructions:

Review then complete this handout by filling in the blanks, circling your choices, and providing the requested documents or details. **Incomplete or incorrect forms and plans will not be accepted until updated, error free.**

Included with this form, a plan sheet, which includes all requested information, needs to be submitted. Foundation plans, stair cross section, wall cross section, and plans for each floor level are required. Mechanical & Energy Compliance documentation is required. Engineered floor & roof truss drawings must be provided as they are available, and before framing inspection.

Foundation Walls:

Circle One: Crawl Space Full Basement Slab on Grade Wood ICF Split Level

Topsoil must be removed and granular fill put in place for concrete slabs. Concrete slabs require under floor moisture barrier. All cut ends of preservative treated wood shall be treated with similar preservative treatment.

Insulation on the inside of masonry walls requires the block cores to be drained to an approved, interior drainage system. Exterior foundation walls and above-grade exterior walls must be moisture/waterproof.

Insulated Concrete Forms:

Provide copy of manufacturer's installation instructions and follow said requirements. Insulated concrete forms may require additional rebar reinforcement; please refer to code charts and consult the manufacturer of the forming system. Minimum ½ inch gypsum board on the inside is required for separation.

Insulation and Interior Finish of Foundation Wall:

Foundation insulation shall be minimum R-10 on exterior face with R-5 on interior or R-15 on exterior face.

Insulation: Type of Foam: _____ R-value of foam outside: _____

R-Value of foam inside: _____

R-Value of insulation must be shown on energy code documents.

Spray foam plastic insulation sheet and foam insulation must be separated from the interior environment with ½ inch gypsum board, including crawl space (foil faced foam insulation can be used, but only in the crawl space).

Roof and floor systems often create heavy point loads; they should be shown on your plans and verify that the load path will be continuous down to the foundation.

Handrail Information:

Ends of handrails must be returned to a wall or newel post. The handrail must be continuous from the bottom step with 1 ½ inches clear between the handrail, the guard, the wall or any other material or object.

Open stairway (circle one) : YES NO

Wall Construction:

Penetrations from wires, pipes, ducts, etc., in top and bottom plates, ceilings below attics, and base plates must be sealed against air infiltration. The space around or at the points of penetration must be insulated.

Emergency Escape and Rescue Openings and Safety Glazing:

Basements with habitable space and every sleeping room shall have compliant emergency escape and rescue openings. Exception: basements used only for mechanical equipment and not exceeding 200 square feet are not required to have such openings. **Please show the openings on the plans.**

The plans should show all hazardous glazing locations; non-compliant glazing will be required to be replaced with safety glazing.

Missing or non-compliant rescue openings will not be approved by Building Official and will need to be brought into compliance.

Smoke Alarms and Carbon Monoxide Detectors:

Smoke alarms are required to be hard wired and interconnected on all new construction or additions.

All bedrooms: _____ All areas (hallways) serving bedrooms: _____

Floor levels not having bedrooms: _____ (install smoke detectors near base of stairway)

MN Residential Building Code requires Carbon Monoxide (CO) Alarms in homes having an attached garage or fuel fired appliances. CO alarms shall be located within ten feet of all rooms used for sleeping.

Roof/Ceiling System: 35 PSF Live Load, 15 PSF Dead Load, for total of 50 PSF Load on Roof

6" Energy heel truss (required); confirm structure will have energy heel truss.

Explain how R Valve will be correct if using site build rafters: _____

Roof systems often create heavy point loads; those loads should be included in the plans and include verification that the load path blocking will be continuous to the foundation.

Place check mark here _____ if the engineered roof system includes girder trusses.

Roof Covering:

Follow manufacturer's instructions. Kickout flashings are required at roof/wall junctures.

Circle one: Valley type: Open Closed Using ice barrier in valley? Yes NO

Valley metal thickness: _____ (minimum 26 gauge steel or .024 aluminum)

Width of valley metal: _____ inches

Attic Insulation:

Provide insulation values on energy code compliance forms; place data cards in attic as required.

IMPORTANT: Fuel gas piping installations utilizing corrugated stainless steel tubing (CSST) require a bounded ground wire according to manufacturer. This installation **must** be done by a certified electrician. (Refer to the CSST manufacturer's installation instructions.) Gas line coming into structure must be at least 36" away from basement windows/window wells.

Signature of Owner/Contractor: _____

Name of Owner/Contractor (Print): _____

Important information on following page.

Fireblocking shall be provided in the following spaces:

1. In concealed spaces of stud walls and partitions, including furred spaces and parallel rows of studs or staggered studs as follows:
 - a. Vertically at the ceiling and floor levels;
 - b. Horizontally at intervals not exceeding ten feet.
2. At all interconnections between concealed vertical and horizontal spaces such as occur at soffits, drop ceilings and cove ceilings.
3. In concealed spaces between stair stringers at the top and bottom of the run.
4. At openings around vents, pipes, ducts, cables and wires at ceiling and floor level with an approved material to resist the free passage of flames and products of combustion.
5. All spaces between chimneys and floor and ceilings through which chimneys pass shall be fireblocked with non-combustible material securely fastened in place. The fireblocking of spaces between chimneys and wood joists, beams or headers shall be self-supporting or be placed on strips of metal lath laid across the spaces between combustible material and the chimney.
6. Fireblocking of cornices of a two-family dwelling is required at the line of dwelling unit separation.

Window requirements:

MN Residential Energy Code Chapter 1322 requires a maximum U-value of .32. A sticker on the window will give that information. (FYI: as the number value gets lower, the U-value is better.) All windows sold for installation in the State of Minnesota are required to have installation instructions from the manufacturer; all such instructions are to be followed when installing windows.

Concrete and masonry foundation waterproofing:

Exterior foundation walls that retain earth and enclose below grade interior spaces, floors, and crawl spaces, shall be waterproofed. Waterproofing shall be installed at a minimum from the top of the footing to the finished grade or in accordance with the manufacturer's installation instructions. Walls shall be waterproofed in accordance with one of the following:

1. 2-Ply hot mopped felts.
2. 55-pound (25 kg) roll roofing.
3. 6-mil (0.15 mm) polyvinyl chloride.
4. 6-mil (0.15 mm) polyethylene.
5. 40-mil (1 mm) polymer-modified asphalt.
6. 60-mil (1.5 mm) flexible polymer cement.
7. 1/8 inch (3 mm) cement-based, fiber-reinforced, waterproof coating.
8. 60-mil (1.5 mm) solvent-free liquid applied synthetic rubber.

Exception: Organic solvent-based products, such as hydrocarbons, chlorinated hydrocarbons, ketones, and esters, shall not be used for ICF walls with expanded polystyrene form material. Use of plastic roofing cements, acrylic coatings, latex coatings, mortars, and parging to seal ICF walls is permitted.

Cold-setting asphalt or hot asphalt shall conform to Type C of ASTM D 449. hot asphalt shall be applied at a temperature of less than 200°F (90°C).

All joints in membrane waterproofing shall be lapped and sealed with an adhesive compatible with the membrane.