

8301 Valley Creek Road • Woodbury, MN 55125-3300 • www.woodburymn.gov
(651) 714-3543 • TDD (651) 714-3568 • building@woodburymn.gov

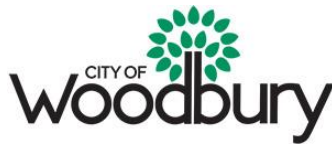
Basement Finishing Requirements

A building permit is required. A homeowner may do his own work. Contractors shall be state licensed.

STATE BUILDING CODE REQUIREMENTS

1. Smoke detectors are required for the entire house when remodeling or finishing a basement. Smoke detectors shall be in each bedroom, in corridors leading to bedrooms and on every level of the home. Smoke detectors shall be hard wired with battery backup in the newly remodeled areas. Smoke detectors in existing areas may be solely battery powered. Smoke detectors should be interconnected if possible. Carbon monoxide alarms are required outside of and not more than 10' from each bedroom.
2. Each bedroom shall have at least one escape window with the following dimensions:
 - a. Width - 20" minimum clear opening
 - b. Height - 24" minimum clear opening
 - c. Total opening - 5.7 square feet minimum
 - d. Sill height - not more than 44" above the floor
 - e. Exit windows under decks, overhangs, etc. shall have a minimum 36" clearance above grade.
3. Bathrooms require an exhaust fan capable of providing 50 CFM intermittently, connected directly to the outside. Exhaust vents shall be insulated at least three feet from the outlet.
4. Habitable rooms shall have window area equal to 8% of the floor area with 1/2 openable or mechanical ventilation.
5. Foam insulation shall be covered by a minimum of 1/2" sheetrock.
6. The walls, ceilings, and soffits of enclosed usable space under the stairs and landing shall be fire protected with 1/2" gypsum board. Draftstop all interconnections between concealed vertical and horizontal spaces such as occur at soffits, drop ceilings and other locations such as holes for pipes and similar places which could afford a passage for flames and the products of combustion. Draftstop material shall be 1/2" gypsum board, 2x lumber, 3/4" plywood or fiberglass insulation installed in such a manner as to be securely retained in place.
7. Use treated or rot-resistant plates on concrete floors.
8. Buildings with insulation on exterior side of foundation wall do not require interior insulation to be added.
9. Post the inspection record card in a convenient place for the inspectors to sign. Call for inspections as indicated on the inspection record card.
10. Minor heating alterations are inspected by the Building Inspector at the time of the framing inspection. Significant changes to the heating system require a heating permit and inspection by the Inspector.
11. Shower faucets shall be temperature controlled anti-scald type. Toilets shall be 1.6 gallon or less flush volume.
12. For homeowners doing their own electrical work, an information packet is available from the City of Woodbury.
13. Cost of the permit is determined by using the Residential Building Permit Fee and Surcharge schedules + \$77 electrical fee + \$75.00 plumbing fee and/or \$75.00 HVAC fee (if applicable).

While not all inclusive, the above comments should be used as a general guide to code compliance. Complete and accurate information will expedite the plan review process.



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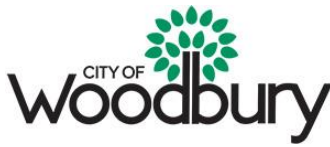
Residential Plumbing Requirements

- All plumbing in new construction shall be by a state licensed plumbing contractor with state licensed plumbers and registered apprentices. A master plumber must be in charge and responsible for the plumbing installation.
- Sillcocks and hose bibs require a vacuum breaker and a means of freeze protection.
- The plumbing waste and vent system must be inspected and tested with 5 pounds of air for 15 minutes for each phase of rough in, or before any work is covered. Plumbing pipes within 1 ¼" of the edge of the studs, plates, etc. must be protected by steel nail plates at least 1/16" thick.
- A backwater valve is required for fixtures installed on a floor level lower than the next upstream sanitary sewer manhole cover.
- When inspections are not approved a correction notice will be posted on the job site. Make corrections as indicated. Call for reinspection as noted on correction notice.
- Provide ¾" pipe size for any water supply which serves more than 2 faucets or fixtures. Any concealed water pipe must be 1/2" in size or greater. Single Family Dwelling Units: Not more than 3 fixtures in same room may be supplied by ½" size pipe.
- Hot water pipes require minimum R-3 insulation.
- No water closet may be closer than 15" from its center to any sidewall or partition. A 24" clearance must be provided in front of water closets.
- Copper gas piping must be type K or L, free of defects, and installed without kinks in piping. Sleeves are required when passing through concrete or stucco. CSST installed per its listing is also acceptable. Installers must be certified.
- Steel and wrought iron piping run outside exposed above ground, must be galvanized or painted.
- Clear water sumps must be at least 10 feet from any floor drain. Interior drain tile, sump basket, pumps with check valve, and rigid pipe sized by the pump or larger pipe size discharged to the exterior is required. Sealed sump covers must be adequate to support anticipated loads, and securely fastened to prevent entry by children. Floor drains located in garage floors must drain to daylight, not to sanitary sewer system.
- Any shower or combination shower/bath in a new or remodeled installation must be equipped with an anti-scald type shower control valve. The valve must be of the thermostatic or pressure-balancing type in accordance with ASSE 1016.
- Temperature limiting valves in accordance with ASSE 1070 are required for bathtub and whirlpool fillers.
- Shower stalls shall have a minimum finished interior area of 1,024 square inches, and shall also be capable of encompassing a 30" circle.
- Shower drains shall have a waste outlet and fixture tailpiece not less than 2" in diameter.
- The potable water system shall be protected by an air gap or backflow preventer on whirlpool tubs, spas, personal hand showers, water softeners, etc.
- Domestic dishwashers shall discharge indirectly through a listed air gap fitting installed with the flood-level marking at or above the flood level of the sink.
- Approved water hammer arresters shall be installed as close as possible to quick-acting valves.
- When street water pressure exceeds 80 PSI, an approved pressure reducing valve (PRV) shall be installed in the water service pipe near its entrance to the building, on the street side of the meter.

Backflow Preventers

- Permits are required for the installation of backflow devices. Call for inspections when installation is complete.
- RPZ and PVB devices are required to be tested by a certified backflow assembly tester at the time of installation, repair, or relocation, and annually thereafter. All test results, date, and tester name and number are to be sent to the Woodbury Public Works Department. Publicworks@woodburymn.gov

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Supplement to Basement Finish Application

Plans and all of the following information are required with Basement Finish Applications

- 1. Show size of area to be finished and all dimensions on plan.
- 2. Show location of all walls on plan; existing and those to be added.
- 3. Show use of rooms on plan (i.e. Family Room, Bedroom, and Den).
- 4. Window information (show location on plan).
- 5. Smoke detector location (show location on plan).

	Window Location	Glass Size of Operable Sash	Type (Casement, Slider, Double Hung, etc.)
Window A	_____	_____	_____
Window B	_____	_____	_____
Window C	_____	_____	_____
Window D	_____	_____	_____

6. Does foundation insulation exist? Yes: Exterior Interior None:
 If yes, what type and thickness of insulation: _____

7. Interior wall construction.
 a. size of studs _____
 b. spacing of studs _____
 c. wall covering (i.e. 1/2" sheetrock) _____

8. Ceiling covering (i.e. 1/2" or 5/8" sheetrock) _____

9. Does house/townhouse have fire sprinklers installed? Yes: No:

10. Plumbing to be installed (check one)
 _____ a. none
 _____ b. 1/2 bath on existing rough-in
 _____ c. 3/4 or full bath on existing rough-in
 _____ d. 1/2 bath including new rough-in
 _____ e. 3/4 or full bath including new rough-in
 _____ f. other (please specify) _____

11. Heating to be installed (check one)
 _____ a. extend supply and returns
 _____ b. use existing with no changes
 _____ c. other (please specify) _____

12. Type and number of fireplaces to be added _____

13. Total square footage of finished basement area _____