



# Village of Round Lake Community Development

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## **BASEMENT FINISH REQUIREMENTS**

### **PERMIT APPLICATION CHECKLIST**

- Complete and sign Building Permit Application.
- Provide detailed drawings of build-out (two sets if plumbing work is included). One page showing basement as is, one page with new construction clearly marked and one page showing electrical details including number/location of outlets, lighting, new circuits and smoke alarms. Additional page required for plumbing diagrams.
- Provide copy of contract showing scope of work (if applicable).
- Provide copy of electrician's license.
- Provide copy of the plumbing license and state required scope of work (licensed plumber required for all work in townhomes or condominiums per state code).

*Permit applications will NOT be accepted without all of the above requirements.*

### **PERMIT FEES**

Please refer to the Village of Round Lake Municipal Code 20.56.010.

### **BOND REQUIREMENTS**

A \$250.00 refundable cash bond is required.

### **PERMIT GUIDELINES**

**In order to complete the plan review all of the following items must be shown on the plan submittal:**

- Must provide description of each new room (bedroom, den, living room) and size.
- Bedrooms require escape windows; provide details of escape windows (sizes) in any bedrooms. (Egress window: minimum opening area of 5.7 square feet, minimum opening height is 24", minimum opening width is 20", and bottom sill of window cannot be more

than 44" above the floor and if window is located inside of a window well then a permanently affixed ladder is required.) Minimum bedroom size is 70 square feet.

- Must provide interconnected smoke alarms in each sleeping room, outside each separate sleeping area in the immediate vicinity of the bedrooms and each additional story including basement (except crawl spaces). Show location.
- Must provide carbon monoxide alarm within 15 feet of every sleeping area. Show location.
- Minimum exterior wall insulation is R-20.
- Minimum ceiling height is 7' (feet) with beams & girders allowed to project 6" (inches) below the 7' ceiling height.
- Exposed floor assemblies shall be provided with a 1/2 inch gypsum wallboard membrane, 5/8 inch wood structural panel membrane or equivalent on the underside of the floor framing member. Wood floor assemblies using dimensional lumber greater than 2 inch by 10 inch are exempt from this requirement. (R302.13)
- All penetrations in top plate must be fire-stopped.
- Underside of stairs must be covered by drywall.
- Must verify source of combustion air for furnace room. Two openings required one at bottom and one at top of wall.
- Must provide return/supply air for all rooms.
- All new circuits are required to be Arc-Fault protected (NEC 210.12).
- Receptacles are required every 12 feet along the wall and on every wall over two feet long (NEC 210.52).
- Additional circuits required for the bathroom, lighting and wall receptacles (lighting circuit must be separate).
- Installation of a new bathroom will require additional plumbing diagrams/information that is best done by a licensed plumbing professional.

## **INSPECTIONS**

1. Rough Framing
2. Rough Electrical
3. Rough Mechanical
4. Open Floor/Rough Plumbing (if applicable)
5. Rough Plumbing (if applicable)
6. Insulation
7. Final Building
8. Final Electrical
9. Final Mechanical
10. Final Plumbing (if applicable)

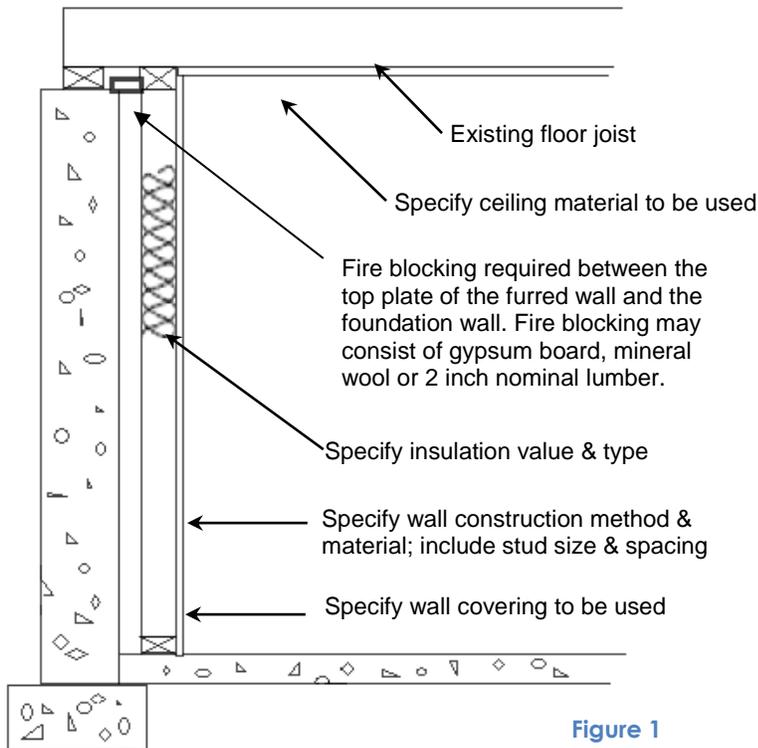


Figure 1

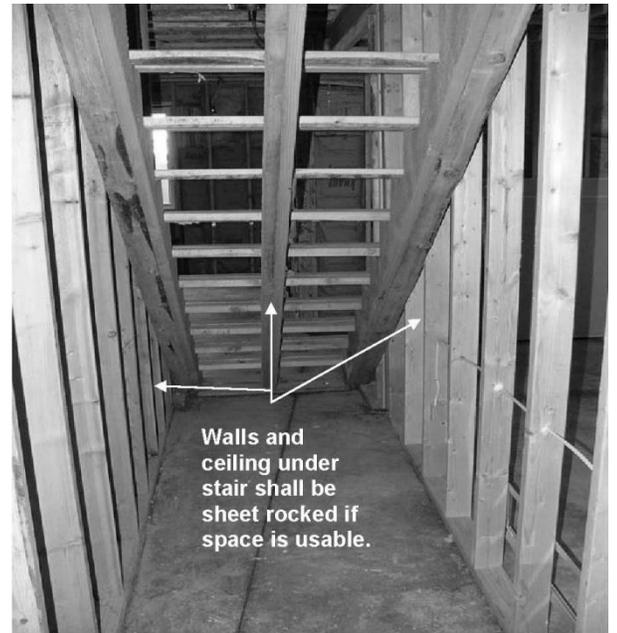


Figure 2

### Fireblocking

Fireblocking is a code mandated technique that is intended to slow the spread of fire in a concealed location. Without it, a fire may spread rapidly, using the chimney effect to move up in concealed chases. Fireblocking is typically done with 2 inch thick nominal lumber,  $\frac{3}{4}$  inch plywood,  $\frac{1}{2}$  inch gypsum board or rock wool. Fireblocking is required in concealed locations, such as walls, wall/ceiling interconnections with soffits, concealed stairs, and around pipes and other penetrations

All penetrations at top plate of wall shall be fire stopped. All concealed spaces shall be fire blocked. *See Fig.1.*

Enclosed accessible space under stairs shall have the under stair surface protected with  $\frac{1}{2}$ " gypsum board.