



## BASEMENT REMODEL

I CERTIFY THAT I HAVE READ AND RECEIVED A COPY OF THESE REGULATIONS, AND WILL COMPLY WITH THESE REQUIREMENTS AND ALL OTHER APPLICABLE BUILDING CODES AND VILLAGE AMENDMENTS.

\_\_\_\_\_  
SIGNATURE

\_\_\_\_\_  
DATE

### Permit Requirements

- Submit two copies of the plan indicating the following items:
  - The total square footage of the area to be remodeled and the size and use of each space.
  - The location of the water meter, sump pump, electrical panel, ejector pit, furnace etc. Indicate the size of all access openings.
  - A section detail or drawing showing the type of construction, height of the ceiling, location of fireblocking, insulation R-values, type of finished ceiling, etc.
  - If fire sprinklers are installed in the home, a plan showing the location of all sprinkler heads shall be provided. The plans shall include the distance of the sprinkler heads to all finished walls.
  - Indicate on the plans the location of the smoke detectors.
  - As of January 1, 2007 Illinois State law requires that carbon monoxide detectors be installed within 15 feet of all bedrooms. If a bedroom is being created in the basement, indicate the location of the carbon monoxide detector.

- An electrical plan shall be submitted showing the location of all switches, receptacles and lights.
- Submit an electrical panel schedule.
- Indicate on the plan the source for combustion air for the furnace and water heater. If required indicate how the combustion air requirements will be met.
- Plumbing diagram or isometric drawing.

### **General Requirements**

- Bottom wall plates shall be pressure treated lumber.
- Emergency egress windows will be required in all bedrooms.
- Any basement area larger than 1,000 square feet may require additional emergency egress openings.
- Fire blocking must be installed at all wall/ceiling connection, at soffit/wall connections and divide furred wall cavities every 10 feet. (A diagram of fireblocking options is attached).
- The ceiling beneath the stairs must be protected with a minimum of 5/8" fire rated gypsum board. A sprinkler head may be required if an enclosed storage area is created under the stairs.
- If there is an existing fire sprinkler system, sprinkler heads must be at least four inches (4") from any finished wall. The sprinkler heads can not be blocked or covered. If a dropped ceiling is installed the sprinkler heads must be lowered.

### **Electrical Requirements**

- All electrical wiring shall be in conduit.
- Smoke detectors are required in all bedrooms, within 15 feet of the bedroom, in the room containing the furnace and in the open areas of finished basements. Smoke detectors are required to be interconnected, 120V with battery backup.
- A switched light is required in all habitable rooms and other areas such as closets that are more than 6 square feet.
- A separate wall switch shall be provided for bathroom exhaust fans.
- Outlets in bedroom shall be arc-fault protected.

### **HVAC Requirements**

- Every habitable space shall have a return air connection.
- All return air and supply duct shall be of metal construction.
- The bathroom exhaust fan shall terminate at the exterior of the building.

### **Plumbing Requirements**

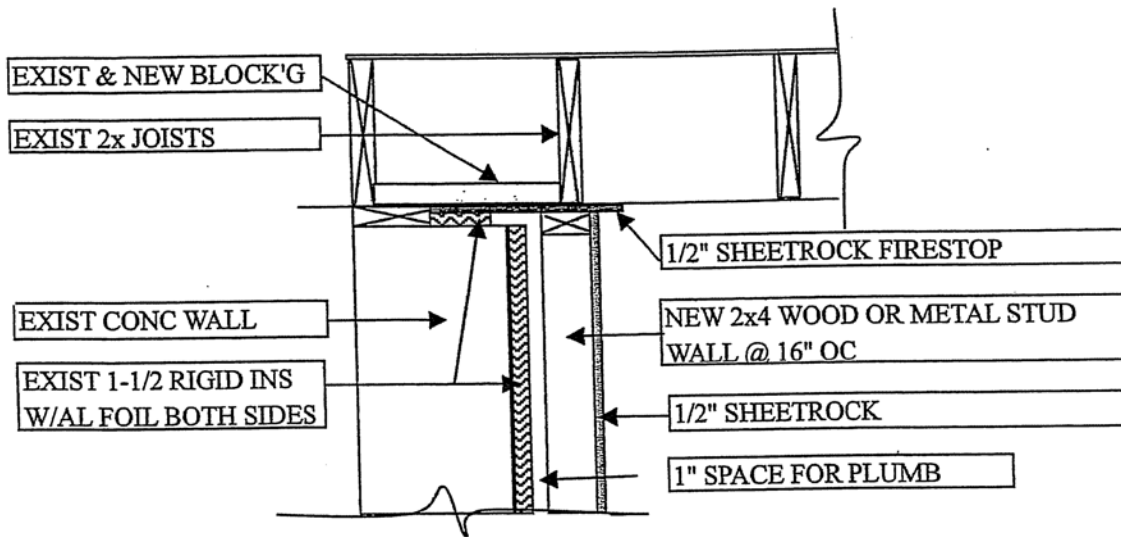
- The plumber is required to submit a letter of intent.

Additional requirements may apply and will be determined by the Building Official and/or the Plan Review Technician. If you have an questions please call us at (847) 669-0600.

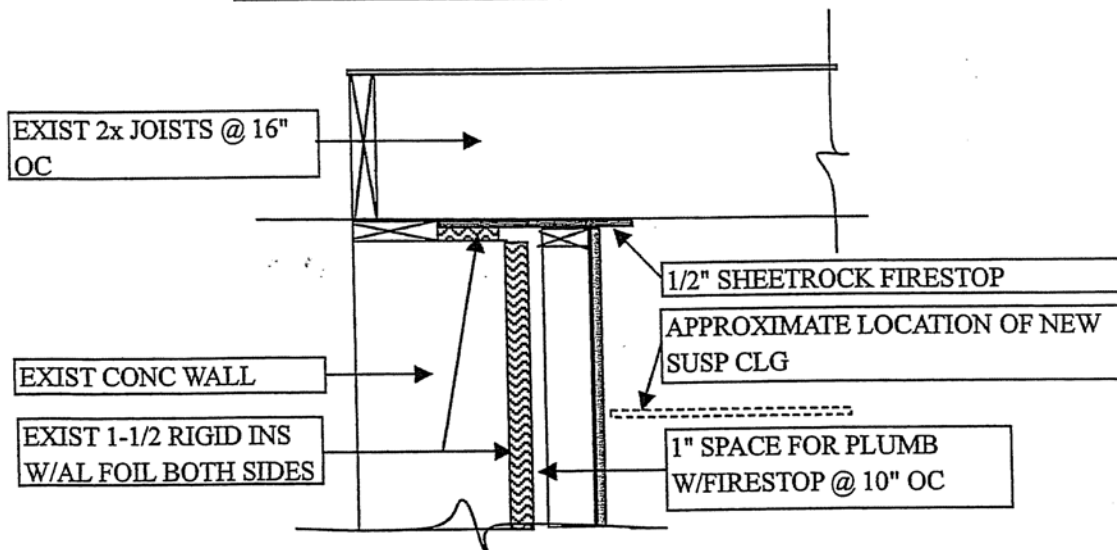
### **Inspection Requirements**

- Rough frame and electrical inspections are required. A rough plumbing and/or a rough fire sprinkler inspection will also be performed if applicable.
- Insulation inspection if applicable.
- Final frame and electrical inspections upon completion are required. A final plumbing and/or a final fire sprinkler inspection will also be performed if applicable.

All inspections shall be called in a minimum of 24 hours in advance by 12:00 PM (noon).  
**Inspections may be scheduled by calling (847) 669-0600.**

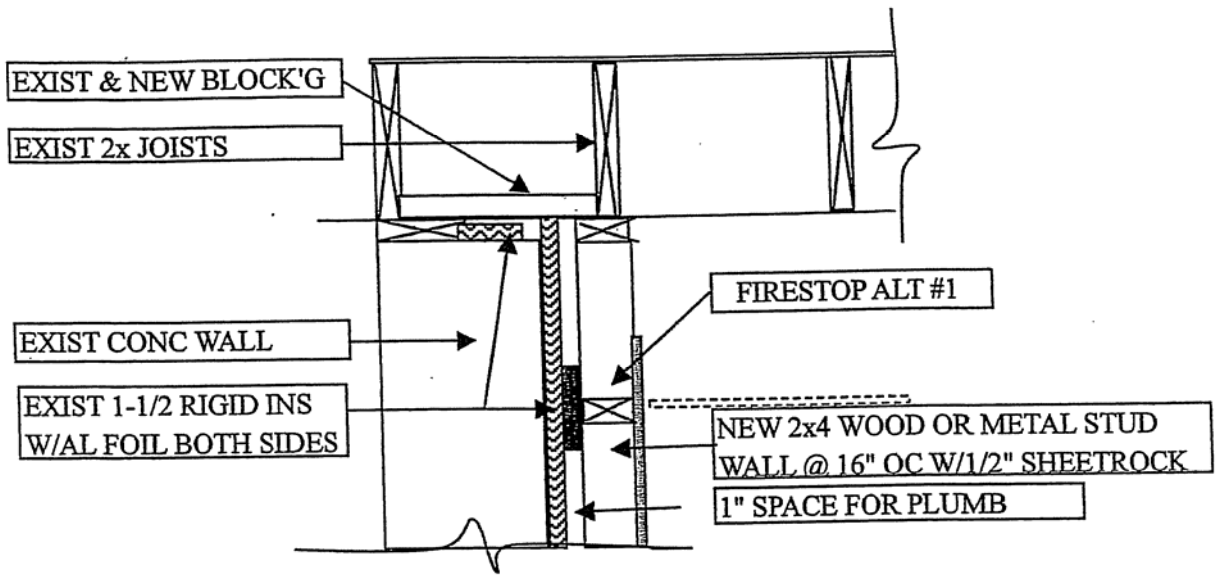


**TYP @ JOISTS PARALLEL TO WALL**

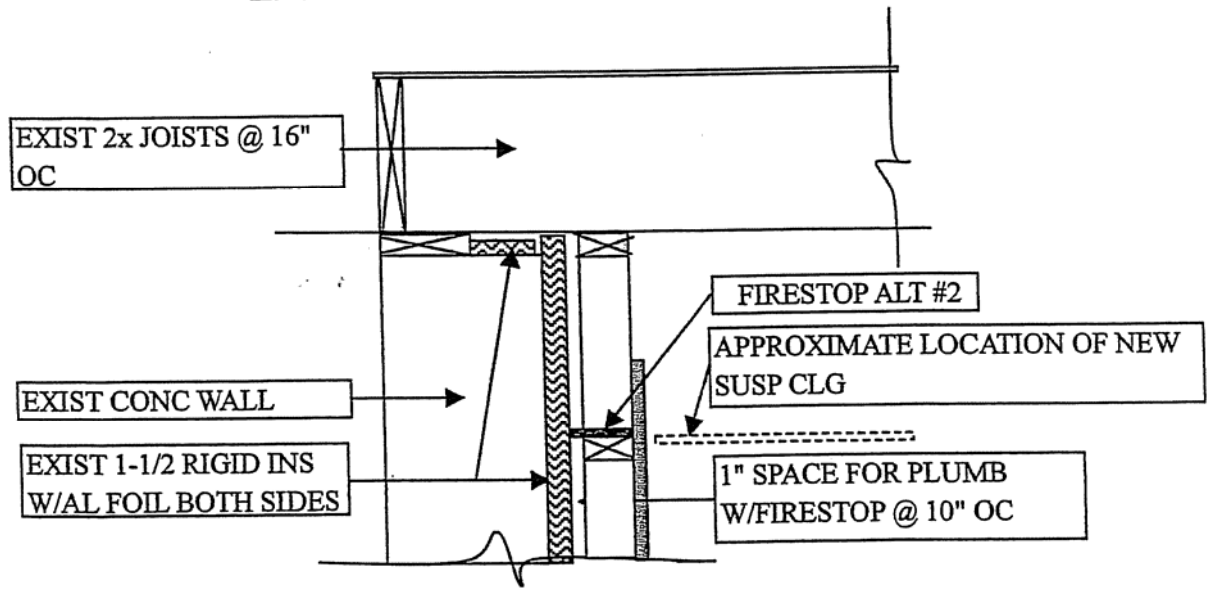


**TYP @ JOISTS PERPENDICULAR TO WALL**

**FIRESTOP DETAILS**



**TYP @ JOISTS PARALLEL TO WALL**



**TYP @ JOISTS PERPENDICULAR TO WALL**

**ALT FIRESTOP DETAILS**