

VILLAGE OF WINFIELD COMMUNITY DEVELOPMENT DEPARTMENT

RESIDENTIAL BASEMENT REMODEL REQUIREMENTS

Based on the IRC for One & Two Family Dwellings, 2006 edition
International Mechanical Code, 2006 edition
National Electrical Code, 2005 edition
Illinois State Plumbing code, 2004 edition - no amendments
International Energy Conservation Code, 2009 edition



ASSOCIATED DOCUMENTS

1. Application for Building Permit
2. Contractor Registration
3. Detailed Plans (3 copies)
4. Water Service Fixture Count Form (if applicable)
5. Electrical Panel Form (if applicable)

The requirements herein are the most common and are not representative of all the conditions you may encounter when designing and construction a finished basement. Any additional code requirements not found in this handout can be found in the Village of Winfield's adopted codes.

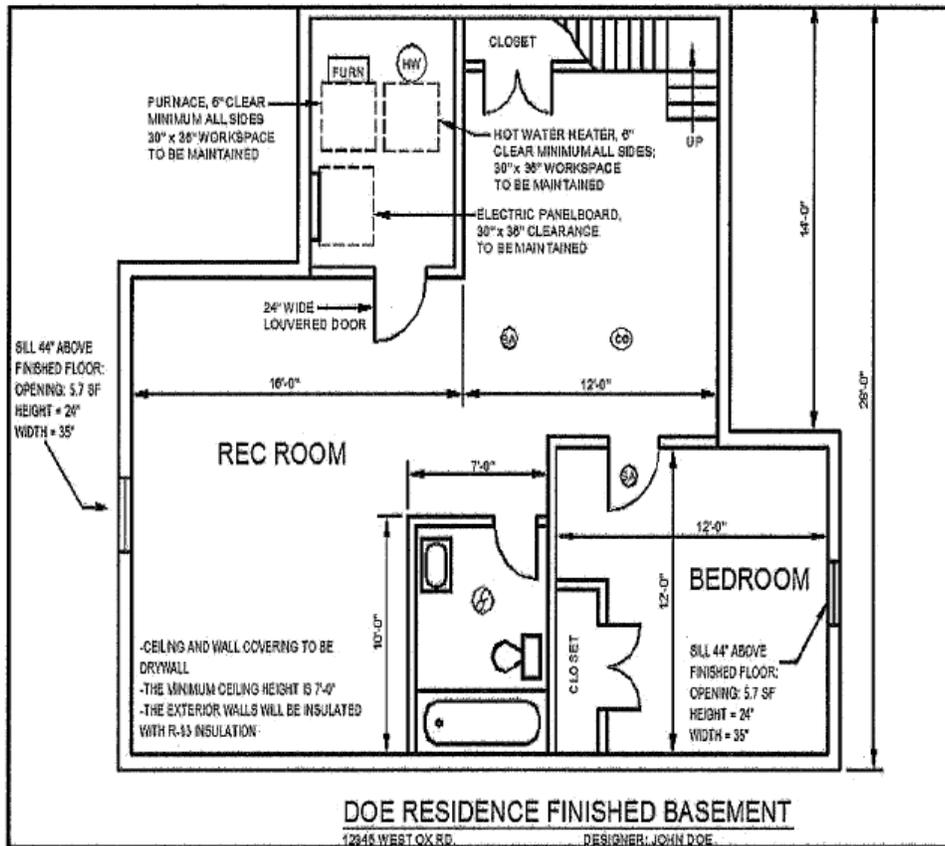
BUILDING / MECHANICAL / ELECTRICAL / PLUMBING

1. Any room with a closet is considered a sleeping room.
2. All HVAC units enclosed require combustion air unless a sealed type.
3. All accessible areas under any stairs shall be drywalled.
4. All sleeping rooms must have a smoke detector inside the room, and another within 10 feet outside of the door.
5. All bathrooms must have a 20 AMP GFI receptacle.
6. Location of the electrical service panel and the size of service.
7. All rooms must have electrical receptacles within 6 feet of the door and 12 feet on center and all walls.
8. Basement walls must be insulated to energy code.
9. All construction must comply with all current codes. The inspected in the field shall determine code compliance of all items not detailed on drawings at time of plan review.
10. Carbon monoxide detectors must be installed within 15 foot of any bedroom and/or one at basement level with mechanical on gas equipment.
11. Furnaces, water heaters and any other gas-burning appliances must be located so as to provide the required amount of combustion air. In addition, three feet of service area is required in front of each such appliance.
12. The pipe type and size for water supply, drain and vent piping must be provided.
13. Piping materials, size, locations, fixtures, floor drains, hot water heater, ejector pit/overhead sewer, shutoffs and any other pertinent items are required and are integral parts of the respective systems.
14. If a basement is remodeled from a non-usable or habitable space to a habitable space the emergency escape window requirements shall be applicable.
15. If there is a change in window size (height or width) any bedroom windows shall meet the emergency escape window requirements.

STAIR AND HANDRAIL DETAIL:

16. Riser height (maximum 7 $\frac{3}{4}$ ") and tread depth (10" minimum measured from the nosing of the treads.
17. Stair handrail details (must be 34" - 38" above nosing of the treads, extend the entire length of the stair run and must comply with the grasp ability requirements)
18. Handrail ends shall be returned to the guardrail, wall, post of step.
19. Handrails are required to be on at least one side of the stair.
20. Stairs with 4 or more risers require handrails.

Sample Floor Plan



<u>Common Electrical Symbols</u> To be used on Electrical Layout	
Outlet	
Light	
Switch	
Smoke Alarm	
Carbon Monoxide Alarm	
Exhaust Fan	