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## RESIDENTIAL BASEMENT FINISH - PLAN REQUIREMENTS

**The following information shall be the minimum required information on all plans submitted for finish basement construction.**

1. Completed Building Permit Application with Workman's Compensation Affidavit and Liability Insurance.
2. Contractor's Information – PA HIC registration number, name, address, email, and phone number.
3. Construction Documents – Two sets of plans, specifications, details, profiles and special inspections. The applicable code for 1 and 2 family dwellings is the 2015 ICC International Residential Code.
4. Demolition Plans with details and signed and sealed Engineered Drawings for Shoring when removing Structural components.
5. Include a floor plan that shows each room with the use of the room labeled.
6. Walls – Material, coverings, type, size, height, headers, etc.
  - a. Fire blocking/draft stopping is required (show detail) – top of wall and every 10 feet horizontally, also fire caulking of penetrations.
  - b. ½" gypsum required under stairways
7. Room Areas, Ceiling Heights (7' min), Glazing, Smoke Alarms, Carbon Monoxide Detectors, Decay and Termite Protections and Emergency Escape and Rescue Openings.
8. Chimneys/Fireplaces – Provide details (construction, clearances, termination, pipes, footings, foundation, height, etc.).
9. Insulation (floors, walls and ceilings) – Provide type, size, location, clearances and ResCheck(optional).
  - a. Insulation (R-13 min.) is required between unfinished areas and finished areas.
10. Plumbing – Provide location of all proposed plumbing fixtures, ejector pump and/or sump pump. Include a line diagram for water, drain, and vent lines.
11. Sprinkler Layouts and Specifications for existing systems - to be drawn by a NICET or greater design professional.
12. Electrical – Plans must be reviewed and stamped approved by a 3<sup>rd</sup> party electrical inspection agency (see approved list). Show lights, switches, receptacles, panels, feeds, etc. (All receptacles are required to be tamper resistant and, other than GFCI's, to be arc fault protected, the recessed

LOCAL GOVERNMENT THE BACKBONE OF DEMOCRACY

lights in the building thermal envelope are required to be IC Airtight, at Least 50% of all permanently installed lamps are required to be high efficiency lights, etc.).

13. HVAC - How ventilation will be accomplished, insulation R-value of ducts, duct work, sizes of ducts, sizes of supply and return grills, material, connection to the system, connection to existing systems, etc. Duct Testing is required – provide method.
14. Provide location and size of the operable areas of all the windows in the existing basement area to be finished and that they comply with the natural ventilation requirements as per 2015 IRC R303.1 for 8% of the finished floor area or provide mechanical ventilation as per R303.1 Exception #1 - an approved mechanical ventilation system capable of producing 0.35 air change per hour in the room is installed or a whole-house mechanical ventilation system is installed capable of supplying outdoor ventilation air of 15 cubic feet per minute (cfm) (78 L/s) per occupant.