



## FINISH BASEMENT PLAN REQUIREMENTS

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

1. Permit Applications with Workman's Compensation Affidavit and Liability Insurance.
2. Contractor's Information – PA registration number, name, address and phone number.
3. Construction Documents – plans, specifications, details, profiles and special inspections.
4. Demolition Plans with details and signed and sealed Engineered Drawings for Shoring when removing Structural components.
5. Walls – material, coverings, type, size, height, headers, etc....
  - a. Fire blocking is required (show detail) – top of wall and every 10 feet horizontally, also fire caulking of penetrations.
6. Room Areas, Ceiling Heights (7' min), Glazing, Smoke Alarms, Carbon Monoxide Detectors, Decay and Termite Protections and Emergency Escape and Rescue Openings.
7. Chimneys/Fireplaces – provide details (construction, clearances, termination, pipes, footings, foundation, height, etc...).
8. Floor Coverings.
9. Insulation (floors, walls and ceilings) – type, size, location, clearances and re-check(optional).
  - a. Insulation (R-13 min.) is required between unfinished areas and finished areas.
10. Plumbing – show layout, fixture clearances, water and drain riser diagrams and venting.
11. Sprinkler Layouts and Specifications for existing systems - to be drawn by a NICET or greater design professional.
12. Electrical - 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 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 with Manual "J" – show ventilation, 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 **2009 IRC R303.1** for 4% 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.

---

### DEPARTMENT OF BUILDING & LIFE SAFETY

253 Municipal Dr, Thorndale, PA 19372 | Phone: 610-384-0600 | Fax: 610-384-0689

codes@calntownship.org | www.calntownship.org