



HARDIN COUNTY PLANNING AND DEVELOPMENT COMMISSION
Building Code Clarification Handout,
#2008.018-A, November 2008

OWNER NAME: _____

 LOCATION: _____
 DATE: _____
 INSPECTOR: _____

FINAL WALK-THRU CHECKLIST
SINGLE & TWO-FAMILY DWELLINGS

Directions: If an item has a “X”, a checkmark, or an “OK” next to it, this is APPROVED. If an item has been “circled” or says “No” next to it, it requires immediate correction within 30 days, and the Owner is required to call the office to setup a recheck inspection date. Pre-payment of recheck inspection fees will be required.

NOTICE OF VIOLATIONS: If the inspection made this date reveals violations of the Kentucky Building Code, the Kentucky Residential Code or other referenced codes and regulations, pursuant to 815 KAR 7:010 and 815 KAR 7:025, you are to promptly complete the changes or repairs listed below. Additional items may be required as construction progresses.
A CERTIFICATE OF OCCUPANCY WILL NOT BE ISSUED UNTIL ALL ITEMS ARE CORRECTED.

Final Inspection – When to call for it:

1. Call for the Final inspection when the building is enclosed and the following are completed and ready for inspection:

- A.** Structural support, stairways installed, and interior of all wall framing members are covered.
- B.** Final heating and cooling ducts are installed, the location of the furnace is complete, and the grilles and register openings are installed. The HVAC Final inspection has been completed and approved.
- C.** The Electrical Final has been completed and the inspection approved with a green sticker label installed inside electric main panel.
- D.** The plumbing final inspection has been completed and the green sticker is on-site.(usually on hot water heater).
- E.** The exterior finishes and trim are completed. The insulation has been installed throughout to meet the minimum established by the Energy Code and the yellow sticker “Insulation Values in Home” has been completed properly and placed inside the main electric panel door cover.
- F.** The caulking and fire stopping, and fire rated caulking have been installed.
- G.** The interior finishes (drywall, metal, lath, wallboard, finish flooring, or other finishes used to cover the structural framing) have been installed. Interior trim is completed
- H.** The attic and roof ventilation have been installed. The 6-mil poly vapor barrier has been installed on the ground in the crawlspaces. All required foundation vents are installed and open.
- I.** If foam continuous board is used for insulation, then it has been covered with drywall or an approved equal.
- J.** The brick veneer has been completed.
- K.** The temporary construction entrance and road tile and any required silt fencing and temporary drainage ditches have been installed and maintained in compliance with Storm Water Runoff Ordinances. In lieu of temporary construction entrance, the new permanent driveway and road tile have been installed and completed properly. The drainage ditch has been maintained in an operable condition.
- L.** Decks or porches. All parts of the deck are completed, decking is installed, and stairs, guardrails and handrails are installed. If the deck or porch is covered with a roof, the ceiling finishes (if any) and all trim or painting is completed.
- M.** Owners/builders have supplied ladders for hard to reach areas.
- N.** Hurricane tie downs have been installed on roof rafters, and roof trusses. Joist hangars have been installed on floor and ceiling joists. Foundation bolts with washers and nuts have been installed at exterior perimeter walls.
- O.** The exterior doors and windows have been installed. With the factory installed U-factor sticker still on windows. Written certification from manufacturer required when sticker has been removed, along with copy of invoice showing u-factor of window and delivery to that project site.

A. Special Conditions:

1. Access required to project is to be furnished by Owner (R109.3), Owner required to call for inspections
2. Permits posted on site. (R105.7). Subdivision Lot number posted.
3. Floodplain management. (R106.1.3; and R301.2.4)
4. Planning & Zoning Requirements completed
5. Driveway Encroachment Permit.
6. *Storm Water Runoff Ordinances and Erosion Prevention and Sediment Control Ordinances* are being met.

B. Exterior of House or Structure:

7. **House numbers** must be installed. 3” high numbers minimum.
8. **Site Grading**, final grade and seeding and strawing of all bare lot areas completed.
9. **Earth Clearances** maintained.
10. **Retaining Walls and Foundation Walls** are completed.
11. **Guards at Retaining Walls, or landscape plantings** installed on high side at 3’ wide minimum adjacent to retaining walls

INSPECTOR _____

above 30" high, for full length of walls. (KY Amendments, R312.3).

12. **Roof drainage.** Gutters and downspouts have been connected to exterior drain lines to take water a minimum of 5' away from the structure. (R801.3)
13. **Termite Treatment** has been completed and written verification is presented to the inspector for the file. (Table R301.2(1))
14. **Intake /Exhaust Master Vents (grilled diffusers)** from bath vents are visible from exterior soffits and/or walls. (R303.5)
15. **Dryer vent** discharge installed with 4" dia. metal piping to exterior and with backdraft damper visible on exterior. (IMC 504.6.1) "The maximum length of a clothes dryer exhaust duct shall not exceed 25 feet from the dryer location (the point in the room containing the clothes dryer, where the exhaust duct starts at the wall, floor or ceiling opening) to the outlet terminal (the point at the immediate exterior of the house where the dryer exhausts ends with a backdraft damper to the outside). The maximum length of the duct shall be reduced 2 ½ feet for each 45 degree bend and 5 feet for each 90 degrees bend. The maximum length of the exhaust duct does not include the transition duct.
- 15.a **Transition duct** connectors must be listed and labeled as transition ducts for clothes dryer applications. Transition ducts are currently listed to comply with UL 2158A... **Transition ducts are metalized (foil) fabric supported on a spiral wire frame.** They are more fire resistant than the typical plastic spiral duct. Transition duct connectors are limited to 8 feet in length and must be installed in compliance with their listing and the manufacturer's instructions. **Transition ducts are to be cut to length as needed to avoid excess.**
16. **Construction Debris Removal** has been completed.
17. **Masonry completed** . The weep holes are located in lowest row of brick or stone above flashing and above final grade of ground. (R703.7.6)

C. Crawl spaces

18. **Access Opening to Crawlspace.** (R408.4) **An access opening through a floor is sized 18" by 24".**
- 18.a. **An access opening through a perimeter wall 16" by 24"** shall be provided to the under-floor space. (R408.4)
- 18.b **Provide full depth exterior access well** with footprint size at least 16" by 24" in front of access opening. (R408.4)
19. **Openings for under-floor ventilation are completed. 1 sf vent per 150 sf of under-floor space area. One vent opening required within 3 feet of each corner of building.** **Exceptions:** The total area of ventilation openings may be reduced to 1/1,500 of the under-floor area where the ground surface is treated with an approved vapor retarder material (e.g. 6 mil polyurethane) and the required openings are placed so as to provide cross ventilation of the space. The installation of operable louvers shall not be prohibited. (R1203.3.2)
20. **Unvented Crawl Space** meets minimum requirements of (R408.3): continuous vapor retarder is installed, overlapped by 6 inches and sealed or taped and extends 6 inches up the stem wall and is attached or taped to the stem wall; and is conditioned with heat and air per R408.3.2.1 or 2.2, and 2.3. **Perimeter walls insulated in R-10** in accordance with Section N1102.2.8. Crawl space wall insulation shall be permanently fastened to the wall and extend downward from the

floor to the finished grade level and then vertically and/or horizontally for at least an additional 24 inches.

21. **Removal of debris** in crawlspace is complete. (R408.5)
22. **Underfloor Central Forced-Air Furnace.** (M1305.1.4.1)
 - **Appliance shall be located on a slab a minimum of 3 inches above grade.** (M1305.1.4.1)
 - **Appliances supported from the ground shall be level and firmly supported on a concrete slab or other approved material above the adjoining ground.** (1305.1.4.1)
 - **Appliances suspended from the floor shall have a clearance of not less than 6 inches from the ground.** (1305.1.4.2)
 - **Passageway – 22" wide and 30" high, nor more than 20 lf when measured along the centerline of the passageway from the opening to the appliance.** (1305.1.4)
 - **A level service space at least 30 inches wide by 30 inches deep shall be present at the front or service-side of the appliance.** (1305.1.4)
 - **If the depth of the passageway or the service space exceeds 12 inches below the adjoining grade, the walls of the passageway shall be lined with concrete or masonry extending 4 inches above the adjoining grade.** (1305.1.4)
 - **The rough-framed access opening shall be a minimum of 22 inches by 30 inches where the dimensions are large enough to remove the largest appliance.** (1305.1.4)
 - **Excavations for appliance installations shall extend to a depth of 6 inches below the appliance and 12 inches on all sides, except that the control side shall have a clearance of 30 inches.** (1305.1.4.2)
 - **Electrical Requirements.** A Luminaire controlled by a switch located at the required passageway opening and a receptacle outlet shall be installed at or near the appliance location in accordance with Chapter 38. (M1305.1.4.3)
23. **Crawl space Areas:** Soil clearance to untreated wood joists: minimum 18 inches (R319.1); untreated wood beams: minimum 12 inches (R319.1). Fasteners for treated wood to be corrosion resistant example ½" dia. foundation bolts.
24. **Finished Grade** completed with 6-mil poly on ground overlapped by 6 inches and sealed or taped and installed properly. (R1203.3.2)
25. **Flood Resistance** requirements must be installed and completed properly. (R301.2.4)
26. **Underfloor insulation R-19** between floor joists must be properly installed and supported, with vapor barrier toward heated side. (Table N102.1)
27. **Crawlspace walls insulation: R-10** if directly applied to wall. (Table N102.1)
28. **Foam Plastic installed and covered** where required.
29. **Pressure preservative treated wood floors** on ground
30. **Protection against decay**
31. **Wood column protection**
32. **Allowable Joist Spans.** Spans for floor joists shall be in accordance with Tables R502.3.1 (1) and R502.3.1 (2).
33. **Structural requirements (R407.3).** The columns shall be restrained to prevent lateral displacement at the bottom end
34. **Steel Column Protection.** Must be corrosion resistant. 3" dia. minimum size. (R407.2)
35. **All required exterior** exits, stairs, guardrails, handrails, landings and decks (R502.2.2) shall be complete, prior to the final inspection
36. **Materials.** Check for proper use of materials.
37. **Decks.** Wood columns minimum 4" x 4" size. (R407.2). Built and completed per section (R502.2.2).

- 40. Stairways Width.** Stairways shall not be less than 36 inches in clear width (R311)
- 41. Stairways. Treads and Risers** maximum riser height shall be 8 ¼ inches; minimum tread depth shall be 9 inches. (R311). The riser shall be measured vertically between leading edges of the adjacent treads. Greatest riser height within any flight of stairs shall not exceed the smallest by more than 3/8 inch.
- 42. Stairway Profile.** (R311.5.3.3) The radius of curvature at tread nosing is no greater than 9/16 inch.
- 43. Stairway nosing profile...**nosing not less than ¾ inch but not more than 1 ¼ inches (R311)
- 44. Stairway Headroom...**not less than 6'-8" measured vertically from the sloped plane (R311)
- 45. Stairway Winders...**minimum width of any tread is not less than 6 inches. (R311)
- 46. Spiral stairways...**Minimum headroom of 6 feet 6 inches shall be provided. Min. width 26 inches, all treads identical. Min. tread depth 7 ½" at 12 in. from center post. (R311.5.8.1)
- 47. Stairway Handrails...**minimum heights of 34" and maximum heights of 38", measured vertically from nosing of the treads. Handrails adjacent to a wall shall have a space of not less than 1 ½ inches between the wall and the handrails. (R311)
- 48. Handrails required...**on at least one side of each continuous run of treads or flight with 4 or more risers. (R311)
- 49. Handrail Ends shall be returned** at ends or shall terminate in newel posts or safety terminals. (R311.5.6.2)
- 50. Stair handrails** (R311) within dwelling units shall be permitted to be discontinuous between the top and bottom of a flight of stairs where ends of the discontinued rails are returned to a wall or post and the maximum distance between the discontinued rails is not greater than 4 inches. (Sec. 1012.4 Continuity)
- 51. Handrail Grip Size...**shall have a circular cross section of 1 ¼ inches minimum to 2 5/8 inches maximum. (2x4 not acceptable.) (Figure 311.5.6.3)
- 52. Guards Required...**(R312.1) raised floor surfaces... more than 30 inches ...guards not less than 36 inches in height. Porches and decks which are enclosed with insect screening
- 53. Guard Opening Limitations...**do not allow passage of a sphere 4 inches in diameter. (R312.2)
- 54. Landings.** There shall be a floor or landing at the top and bottom of each stairway. (R311.5.4.3). Maximum 12' of vertical rise in height between landings. (R311.5.4)
- 55. Landing Size...**minimum dimension of 36 inches...landing at the door shall not be more than 1.5 inches below top of threshold. (R311.4.3.1)
- 56. Attachment of decks or porches...** (Use lag screws or combination through bolts approved for use with pressure treated wood at posts to band board connections). (R502.9 Fastening).
- 57. Exterior safe entrance required...**The required exit door is a minimum 3 feet wide side-hinged door by 6'-8" high. (R311.4.1) An entrance through the attached garage to gain entry to the house is not an approved required entry.
- 58. Emergency escape windows** located under decks and porches must contain a path not less than 36 inches in height to yard or court. (R310.5)
- 59. Concrete or masonry foundation** wall to extend 6 inches above exterior finished grade, 4 inches OK if masonry veneer
- D. Two-Family Dwellings (R317.1)**
- 60.** 2-Family Dwellings requires 1-hour rated construction at common walls & floor/ceiling
- 61.** A One-hour rated floor/ceiling assembly must extend to exterior walls; and
- 62.** not extend through attic if ceilings 5/B Type X gypsum board & an attic draft stop constructed per (R502.12)
- 63.** The structural framing supporting the ceiling shall also be protected by ½" gypsum board or equivalent
- 64.** One-Hour rated wall assemblies shall extend to underside of roof sheathing
- 65.** Gypboard on frame supporting the ceiling & attic is draft stopped
- E. Energy Code Requirements (Table N102.1)**
- 66.** The required energy code requirements yellow sticker must be completed and signed off ...in electric main panel. The new 2007 Kentucky Residential Code became mandatory on November 1, 2007; it was adopted by the state on May 15, 2007. [Climate Zone 4, except Marine]
- 67. Underfloor insulation** must be properly installed and supported...Under-Floor between floor joists insulation: R-19.
- 68. Crawl space wall.** (N1102.2.8). As an alternative to insulating floors over crawlspaces, insulation of crawl space walls when the crawl space is not vented to the outside is permitted. Insulation shall be permanently fastened to the wall & extend downward from the floor to the finished grade level and then vertically and/or horizontally for at least an additional 24 inches. Minimum insulation required is R-10 for continuous insulation or R-13 for cavity wall insulation. Exposed earth in unvented crawl space foundations shall be covered with a 6-mil continuous vapor retarder with all joints overlapped by 6 inches and be sealed or taped. The edges of the vapor retarder shall extend at least 6 inches up the stem wall and shall be attached to the stem wall. To comply with this provision, the crawlspace must be mechanically vented or supplied with conditioned air from the living space. (R408.3).
- 69. Basements Walls:** Exterior R-5 insulation board; R-4 insulation when installed directly adjacent to foundation wall on interior...R-13 required when installed in a framed wall cavity
- 70. Mass walls:** R-5 insulation value required considered walls of concrete block, concrete insulated concrete form (ICF), masonry cavity, brick (other than brick veneer), earth (adobe, compressed earth block, rammed earth) and solid timber/logs.
- 71. Roof / ceiling insulation:** R-38. If insulation contains a vapor retarder, the retarder is installed on the warm-in-winter side of the ceiling.
- 72. Frame Walls Exterior** or adjoining interior Unconditioned room spaces: R-13.
- 73. Slab on Grade.** Slab edge insulation R-4 for a depth of 2 feet.
- 74. Windows and doors glass (fenestration): maximum U-factor is U.40.** Leave stickers on windows until after inspection is completed.

F. Utilities Final Inspections Required:

- 75. Plumbing** Contractors and inspections... under the supervision of a Kentucky Licensed Master Plumber...*Kentucky Plumbing Code*. (Plumbing Inspector 270-769-3071)
- 76. Propane** gas installations and natural gas installations...Installation per the current *International Fuel Gas Code*.
- 77. The septic tank system** must be inspected and approved by the *Environmental Services Office* through the local health department. (769-0312)
- 78. The electrical** wiring and associated electrical systems ...current governing code is the *NEC 2005 NFPA 70 National Electrical Code*. (769-5479)
- 79. The mechanical** systems (heating, ventilation and air conditioning) installed *2006 International Mechanical Code*. Licensed Master HVAC Contractor

G. Interior of House or Structure:

- 80.** Room finishes and other items listed are exempt from permit and are not inspected
- 81. Required interior exits, stairs, guardrails, handrails, landings, porches and decks** (R502.2.2) shall be complete
- 82. Ceiling Height.** (R305) Habitable rooms, hallways, corridors, bathrooms, toilet rooms and basements...not less than 7 feet
- 83. Hallways minimum width** of a hallway shall be not less than 3 feet. (R311.3)
- 84. Bathroom exhaust fans** required to exhaust to exterior of home. Intake/Exhaust Master Vents (grilled diffusers) visible from exterior. (Not approved to dump bathroom exhaust air into soffit or attic.) (M1501.1)
- 85. Illumination at Stairs...**All stairs shall be provided with illumination in accordance with Section R303.6.
- 85.a Under Stair protection.** (R311.2.2) Enclosed accessible space under stairs shall have walls, under stair surfaces, and any soffits protected on the enclosed side with ½” gypsum board.
- 86. Chimneys, Fireplaces, and woodstoves** must be installed, including hearth, combustion air ducts, and metal or glass doors, Installer and homeowner responsible for clearances from combustibles on these installations, per the specific requirements of the manufacturer’s specifications.
- 87. Foam Plastic** shall be separated from the interior of a building by an approved thermal barrier. (R314)
- 88. Masonry or Concrete walls floors or roof** do not require thermal barrier when the foam plastic insulation is separated from the interior of the building by a minimum 1-inch thickness of masonry or concrete. (R314.5.1)
- 89. Roofing.** Thermal barrier is not required when ... (R314.5)
- 90. Attics.** Thermal barrier is not required where attic access is required by R807.1 and where the space is entered only for service of utilities

H. FLOORS (R501) (Wood Floor Framing, Wood Roof Trusses, Site-Built Rafters and Ceiling Joists, etc.)

- 91. Ground Contact...**shall be approved pressure-preservative-treated wood suitable for ground contact use...(R319.1)
- 92. Quality Mark...**(R502) All wood shall bear the quality mark of an approved inspection agency... treated wood fasteners shall be of hot-dipped zinc-coated, galvanized steel, stainless steel, silicon bronze or copper.
- 93. Fasteners** pressure-preservative-treated and fire-retardant, use correct fasteners for material type used.
- 94. Foundation Anchorage** required.. (R403.1) anchor bolts spaced maximum of 6 feet on center, one bolt not more than 12 inches from end of each plate. 2 bolt min. per small plates.
- 95. Retrofit type foundation bolts** are required when insufficient number of standard foundation bolts is used...(R403.1)
- 96. Framing at Braced Wall Lines**
- 97. Attachment of decks or porches.** (Use lag screws or combination through bolts approved for use with pressure treated wood), at post to band board connections and at ledger board to house. (R502.9)
- 98. Allowable Joist Spans** for floor joists shall be in accordance with Tables R502.3.1 (1) and R502.3.1 (2).
- 99. Bearing Floor Systems...**lap a minimum of 3 inches. (R502.6)
- 100. Bearing Joist framing** into the side of a wood girder shall be supported by approved framing anchors (**joist hangers**) or on **ledger strips** not less than a nominal 2 inches by 2 inches. (R502.6)
- 101 Lateral Restraint at Supports Joists** shall be supported laterally at the ends by full depth solid blocking not less than 2" thick, or by attachment to a header, band, or rim joist, or to adjoining studs, or shall be otherwise provided with lateral support. (R502.7)
- 102. Holes Bored in Sawn Lumber...**shall not exceed 1/3 depth of member...not be closer than 2 inches to top, bottom, other holes. (R602.6)
- 103 Stud Shoes required** when holes for utilities drilled within the bottom 2 inches of a floor joists or ceiling joist. (R602.6)
- 104 Wood Floor Framing** shall be identified by a grade mark of a lumber grading or inspection agency (R502.1)
- 105 Bridging of Joists...**Joists exceeding a nominal 2” by 12” shall be supported laterally at intervals not exceeding 8 feet.(R502.7)
- 106. Lateral Restraint at Supports.** (Blocking of Joists) (R502.7)
- 107. Floor Cantilevers** at exterior balconies. Uplift force is for a backspan to cantilever ratio of 2:1. Solid blocking shall be provided at the cantilevered support. (R502.3)
- 108. Floor Cantilevers at exterior bearing wall and roof** only...Uplift force is for a backspan to cantilever ratio of 3:1. (R502.3)

I. WALLS

- 109. Uplift Resistance.** (R802.11.1). (e.g. **hurricane ties**). Roof assemblies which are subject to wind uplift roof rafters or trusses attached to their supporting wall assemblies by connections
- 110. Hurricane Ties required.** Table (R602.3) at all locations of the top sill plates when engineered roof trusses are used in wood framing construction as well as when standard roof rafters are used (802.11.1)
- 111. Specific Approval.** **Foam plastic** not meeting the requirements of Sections R314.3 through R314.5 shall be specifically approved.

- 112. Fireblocking.**(R602.8) Fire rated caulking is required at all holes penetrating top & bottom sill plates and 1 hole every 10 lf in a horizontal run of holes in framed walls.
- 113. Top plate lap required** at corners and bearing wall intersections. (R602.3)
- 114. Nail guards (stops) required...**and the hole is within 5/8 inch of drywall edge of stud or plate. Attach with 8d commons. (R602.6)
- 115. Double studs** (R502.4) are required to be located directly under double trusses, or other types of double wood structural members (girders, beams, walls, etc.)

J. Windows and Doors

- 116. Glazed openings** (Windows & doors with glass) are required to be greater than 8% of floor area
- 117. Glazing. Glass in Windows & Doors...at hazardous locations** request the handout *Windows and Doors - Safety Glazing, 2008.007* from our office. (R308)
- 118. Window Glazing (Glass) in Fixed Panels:** (R308) when the following conditions exist:
- With panes exceeding nine square feet, AND
 - Where the lowest edge is less than 18 inches off the floor, AND
 - Where the top edge is greater than 36 inches above the floor, AND
 - The walking surface is within 36 inches of glazing.
- 119. Emergency Escape and Rescue Openings...**required in every sleeping room (R310.1)
- 120. Minimum net clear opening area 2nd Flr: 5.7 square feet.**
Grade floor openings: min.net clear opening of 5 square feet.
- 121. Operational constraints...**operational from the inside of the room without the use of keys, tools or special knowledge
- 122. Door (at interior stair only)** may open at but not swing over the top step
- 123. Smoke Alarms.** (R313.1) All smoke alarms shall be listed in accordance with UL 217 and installed in accordance with the provisions of this code.
- 124. Location of Smoke Alarms:** (R313)
- in each sleeping room.
 - outside each sleeping area in the immediate vicinity of the bedrooms
 - on each additional story of the dwelling, including basements, but not including crawl spaces
 - When more than one smoke alarm is required to be installed ...the alarm devices shall be interconnected
- 125. Battery backup required.** (R313) Required Smoke alarms shall receive their primary power from building wiring & when the power is interrupted, shall receive power from battery

K. Attics

- 126. Appliances in Attic...must meet 7 listed requirements:**
- Opening large enough to remove a furnace or other piece of mechanical appliance installed in attic. (M1305.1.3).
 - Solid floor min 24in wide from entrance to appliance (1305.1, 1). Max 20ft from access opening to appliance (1 305.1 .3)
 - Passageway <-6ft high OK for [50ft] (unlimited)length (1305.1)
 - Min 30in x 30in level platform required for service access (1305.1.3)

- Platform not required if service possible from access opening (1305.1.3)
- Luminaire & receptacle outlet near appliance (1305.1.3.1)
- Switch for Luminaire at passageway entrance (1305,1,3,1)

- 127. Attics with limited storage** must have been completed per requirements of (Table R301.5).
- 128. Attic vents. Roof ventilation...** Must be completed.
- 129. (Use insulation baffles)** Where eave or cornice vents are installed, insulation shall not block the free flow of air.
- 130. Attic Access.** (R807.1) Buildings with combustible ceilings or roof construction shall have attic access opening to attic areas that exceed 30 SF
- 131. Water heater located in attic:** -Watertight pan required for water heaters located in attics or where leakage could cause damage, galvanized steel pan (24-gauge min. thickness or other listed pan (corrosion-resistant) , min. 1.5 inch deep required. Pan drains size min. ¾ inches. Drain required terminating (in indirect waste or outdoors 6 inch – 24 in. above grade) to approved location. (R2801.5)

L. Garages and Carports (R309)

- 132. Carports...**...must meet four minimum requirements
- 133. Garages.** Openings from a private garage into a room used for sleeping are not permitted.
- 134. Garage exterior walls** less than 3 feet from property line required to have one-hour construction
- 135. Garages: Duct Penetration** shall be constructed of a minimum No. 26 gage sheet steel or other approved material. (R309.1)
- 136. Garages: Other Penetrations** shall be protected by filling the opening around the penetrating item with approved materials. (R309.1)
- 137. Hot water heaters and furnaces** located in garages must be protected from impact by vehicles by means of steel barrier bolted to floor and located near the appliance. Any flame or sparking device must be located greater than 18 inches above the floor. (M1307.3)
- 138. Garages: Separation required** from the residence and its attic area by not less than ½ inch gypsum board applied to the garage side. (R309.2)
- 139. Garage floor surfaces** shall be of approved noncombustible material (example: Concrete). (R309.3)

M. Basements

- 140. Drilling and Notching of Sawn Lumber** (R602)
- 141. Under Stair Protection enclosed accessible space under stairs** shall have walls, under stair surface, and any soffits protected on the enclosed side with ½ inch gypsum board. *If the area under the stairs is not enclosed, is left open to the rest of the room, not walled in, the under stair protection is not required.* (R311.2.2)
- 142. Floor framing.** Floor/ceiling draftstopped if greater than 1000 sq. ft. using open web trusses. (R509.12)
- 143. Bulkhead Enclosure Stairways...**(R310.3)
- 144. Basement Sleeping Rooms...**(R310.1) emergency egress and rescue openings shall be required in each sleeping room, but not in remainder of basement. (KY Amendments)
- 145. Hot water heater** must be completed and inspected.
- 146. Shut-off for main water line** (per *Kentucky Plumbing Code*), this must be checked by the plumbing inspector.

- 147. All natural gas, propane gas, and fuel oil appliances** and equipment (also including manufactured gas fireplace units). Subject to the *2006 International Fuel Gas Code* and shall be final installed checked and approved by the installer.

N. Floor Construction.

- 148. Girder Spans and Header Spans for Exterior Bearing Walls.** (Refer to Table R502.5 (1) (Windows, Doors, Beams, Girders)
- 149. Girder Spans and Header Spans for Interior Bearing Walls.**(Refer to Table R502.5(2) (Windows, Doors, Beams, Girders)
- 150. Allowable Joist Spans.** R502.3 Spans for floor joists shall be in accordance with Table R502.3.1 (2) **Residential Living Areas**
- 151. Allowable Joist Spans.** R502.3 Spans for floor joists shall be in accordance with Tables R502.3.1 (1) **Residential Sleeping Areas.**