

Below is a list with descriptions of items to be inspected. All items can be found in the 2003 Property Maintenance Code.

*Note that all items below do not constitute an all inclusive list. This is to be used as a guideline.

Exterior Property Areas _____

___P|F___ **Sanitation 301.3** All vacant structures and premises shall be maintained in a clean, safe, secure and sanitary condition so as not to cause a blighting problem or adversely affect the public health or safety.

___P|F___ **Sanitation 302.1** All exterior property and premises shall be maintained in a clean, safe, sanitary condition.

___P|F___ **Grading 302.2** Graded and maintained to prevent erosion.

___P|F___ **Drainage 302.2** Prevents the accumulation of stagnant water thereon, or within structure.

___P|F___ **Sidewalks, Driveways, Walkways, Stairs, Parking Spaces 302.3** In proper state of repair, and hazardous free.

___P|F___ **Weeds 302.4** Be maintained free from weeds in excess of 8 inches.

___P|F___ **Rodent Harborage 302.5** Free from rodent harborage and infestation.

___P|F___ **Exhaust Vents 302.6** Shall not discharge gases, steam, vapor, hot air, grease, smoke, odors upon abutting or adjacent public or private property.

___P|F___ **Accessory Structures 302.7** Detached garages, fences, walls maintained structurally sound and in good repair.

___P|F___ **Motor Vehicles 302.8** No inoperative or unlicensed motor vehicle shall be kept or stored on any premises, or at no time be in a state of major disassembly.

___P|F___ **Defacement of Property 302.9** No mutilation or defacing any exterior surface by marking, carving or graffiti.

Swimming Pools, Spas, Hot Tubs _____

___P|F___ **Swimming Pool Sanitation 303.1** Maintained in clean and sanitary condition and in good repair.

___P|F___ **Enclosures when required 303.2** When contains water more than 24 inches in depth shall be completely surrounded by a fence or barrier at least 48 inches in height above finished ground level. Gates and doors self-latching and self-closing where self-latching device is less than 54 inches above bottom of the gate and on pool side.

Exterior Structure

PF **General 304.1** Maintained and in good repair, structurally sound and sanitary.

PF **Protective Treatment 304.2** All exterior surfaces shall be maintained and in good condition and protected from the elements and decay.

PF **Premise Identification 304.3** Shall have address numbers placed where visible and legible from the street or road fronting the property. Minimum 4 inches high. Numbers shall be in compliance with the numbering guide required or recommended by the Allendale Charter Township Fire Department.

PF **Structural Members 304.4** Free from deterioration and capable of supporting imposed dead and live loads.

PF **Foundation Walls 304.5** Maintained plumb and free from open cracks and breaks and prevent entry of rodents and other pests.

PF **Exterior Walls 304.6** Free from holes, breaks, loose or rotting materials; maintained weatherproof and properly coated to prevent deterioration.

PF **Roofs and Drainage 304.7** Roof and flashing shall be sound, tight and defect free as to not admit rain. Drains, gutters in good repair and free from obstructions.

PF **Decorative Features 304.8** Cornices, belt courses, corbels, terra cotta trim, wall facings maintained in good repair with proper anchorage.

PF **Overhang Extensions 304.9** In good repair and properly anchored and protected from elements.

PF **Stairways, decks, porches, balconies 304.10** Structurally sound, good repair, proper anchorage, capable of supporting imposed loads.

PF **Chimneys 304.11** Structurally safe and sound and protected from elements and decay.

PF **Handrails and Guards 304.12** Firmly fastened, in good condition, and capable of supporting imposed loads.

PF **Windows, Skylight and Door Frames 304.13** Kept in good repair, sound, and weather tight

PF **Glazing 304.13.1** Glazing materials free from cracks and holes.

PF **Openable windows 303.13.2** Every window other than fixed, shall be easily openable and capable of being held in position by window hardware.

PF **Insect Screens 304.14** From May 1st through November 1st

PF **Doors 304.15** In good condition and locks shall tightly secure the door.

PF **Basement Hatchways 304.16** Basement hatchways shall be maintained to prevent the entrance of rodents, rain, and surface drainage water.

PF **Building Security 304.18** All doors, windows or hatchways for dwelling units, rooms or housekeeping units shall be provided with devices designed to provide security for the occupants and property within.

PF **Doors 304.18.1** For new construction, or alterations, remodelings, or replacements in existing buildings, doors providing access to all dwelling units that are rented shall be equipped with a deadbolt lock shall be operated only by the turning of a knob or a key and shall have a lock throw of not less than 1-inch. A sliding bolt for this section shall not be acceptable. All deadbolts shall be in good working order and to be operable inside of the dwelling unit without the use of a key, tool, or combination thereof.

PF **Windows 304.18.2** Operable windows located in whole or part within 6 feet above ground level or a walking surface below that provides access to a dwelling unit shall be equipped with a window sash locking device.

PF **Basement Hatchways 304.18.3** Basement hatchways that provide access to a dwelling unit shall be equipped with devices that secure the units from unauthorized entry.

Interior Structure

PF **General 305.1** The interior of a structure and equipment therein shall be maintained in good repair, structurally sound, and in sanitary condition. This includes the shared or public areas and exterior property.

PF **Structural Members 305.2** All structural members shall be maintained structurally sound, and capable of supporting the imposed loads.

PF **Interior Surfaces 305.3** All interior surfaces, including windows and doors, shall be maintained in good, clean and sanitary condition. Peeling, chipping, flaking or scraped away paint shall be repaired, removed, or covered. Cracked or loose plaster, decayed wood and other defective surface conditions shall be corrected.

PF **Stairs and Walking Surfaces 305.4** Every stair, ramp, landing, balcony, porch, deck or other walking surface shall be maintained in sound condition and good repair.

PF **Handrails and Guards 305.5** Every handrail and guard shall be firmly fastened and capable of supporting normally imposed loads and shall be maintained in good condition.

PF **Interior Doors 305.6** Every interior door shall fit reasonably well within its frame and shall be capable of being opened and closed by being properly and securely attached to jambs, headers or tracks.

Handrails and Guardrails

PF **General 306.1** Every exterior and interior flight of stairs having more than four risers shall have a handrail on one side of the stair and every open portion of a stair, landing, balcony, porch, deck, ramp, or other walking surface which is more than 30 inches above the floor or grade below shall have guards. Handrails shall not be less than 30 inches high or more than 42 inches high measured vertically above the nose of the tread or above the finished floor of the landing or walking surfaces. Guards shall not be less than 30 inches high above the floor of the landing, balcony, porch, deck, or ramp or other walking surface.

Rubbish and Garbage

PF **Accumulation of rubbish or garbage 307.1** All exterior property and premises, and the interior of every structure, shall be free from any accumulation of rubbish or garbage.

PF **Disposal of Rubbish 307.2** Every occupant of a structure shall dispose of all rubbish in a clean and sanitary manner by placing such rubbish in approved containers.

PF **Rubbish Storage Facilities 307.2.1** The owner of every occupied premises shall supply approved covered containers for rubbish, and the owner of the premises shall be responsible for the removal of rubbish.

PF **Refrigerators 307.2.2** Refrigerators and similar equipment not in operation shall not be discarded, abandoned, or stored on premises without first removing the doors.

PF **Disposal of Garbage 307.3** Every occupant shall dispose of garbage in clean and sanitary manner by placing such garbage in an approved garbage disposal facility or approved garbage containers.

* PF **Containers 307.3.2** The owner of every establishment producing garbage shall provide, and at all times cause to be utilized, approved leak proof containers provided with close-fitting covers for the storage of such materials until removed from the premises for disposal.

Extermination

PF **Infestation 308.1** All structures shall be kept free from insect and rodent infestation. All structures in which insects or rodents are found shall be promptly exterminated by approved processes that will not be injurious to human health. After extermination, proper precautions shall be taken to prevent re-infestation.

PF **Occupant 308.5** The occupant of any structure shall be responsible for the continued rodent and pest-free condition of the structure.

Exception: Where the infestations are caused by defects in the structure, the owner shall be responsible for extermination.

Light, Ventilation and Occupancy Limitations

PF **Responsibility 401.2** The owner of the structure shall provide and maintain light, ventilation and space conditions in compliance with these requirements. A person shall not permit another person to occupy any premises that do not comply with the requirements of this chapter.

___P|F___ **Alternative Devices 401.3** In lieu of the means for natural light and ventilation herein prescribed, artificial light or mechanical ventilation complying with the *Michigan Building Code*, and *Michigan Mechanical Code* shall be permitted.

Light

___P|F___ **Habitable Spaces 402.1** Every habitable space shall have at least one window of approved size facing directly to the outdoors or to a court. The minimum total glazed area for every habitable space shall be 8 percent of the floor area of such room. Wherever walls or other portions of a structure face a window of any room and such obstructions are located less than 3 feet from the window and extend to a level above that of the ceiling of the room, such window shall not be included as contributing to the required minimum total window area for the room. **Exception:** Where natural light for rooms or spaces without exterior glazing areas is provided through an adjoining room, the unobstructed opening to the adjoining room shall be at least 8 percent of the floor area of the interior room or space, but not less than 25 square feet. The exterior glazing area shall be based on the total floor area being served.

___P|F___ **Common Halls and Stairways 402.2** Every common hall and stairway in residential occupancies, other than in one and two-family dwellings, shall be lighted at all times with at least a 60 watt standard incandescent light bulb for each 200 square feet of floor area or equivalent illumination, provided that the spacing between lights shall not be greater than 30 feet.

___P|F___ **Other Spaces 402.3** All other spaces shall be provided with natural or artificial light sufficient to permit the maintenance of sanitary conditions, and the safe occupancy of the space and utilization of the appliances, equipment and fixtures.

Ventilation

___P|F___ **Habitable Spaces 403.1** Every habitable space shall have at least one operable window. The total operable area of the windows in every room shall be equal to at least 45 percent of the minimum glazed area required in section 402.1.

Exception: Where rooms and spaces without openings to the outdoors are ventilated through an adjoining room, the unobstructed opening to the adjoining room shall be at least 8 percent of the floor area of the interior room or space, but not less than 25 square feet. The ventilation openings to the outdoors shall be based on a total floor area being ventilated.

___P|F___ **Bathrooms and toilet rooms 403.2** Every bathroom and toilet room shall comply with the ventilation requirements for habitable spaces as required by section 403.1, except that a window shall not be required in such spaces equipped with a mechanical ventilation system. Air exhausted by a mechanical ventilation system from a bathroom or toilet room shall discharge to the outdoors and shall not be re-circulated.

___P|F___ **Cooking facilities 403.3** Unless approved through the certificate of occupancy, cooking shall not be permitted in any rooming unit or dormitory unit, and a cooking facility or appliance shall not be permitted to be present in a rooming unit or dormitory unit.

Exception: Where specifically approved in writing by the code official.

___P|F___ **Clothes dryer exhaust 403.5** Clothes dryer exhaust systems shall be independent of all other systems and shall be exhausted in accordance with manufacturer's instructions.

Occupancy Limitations

PF **Privacy 404.1** Dwelling units, housekeeping units, rooming units and dormitory units shall be arranged to provide privacy and be separate from other adjoining spaces.

PF **Minimum room widths 404.2** A habitable room, other than a kitchen, shall not be less than 7 feet in any plan dimension. Kitchens shall have a clear passageway of not less than 3 feet between counter fronts and appliances or counter fronts and walls.

PF **Minimum ceiling heights 404.3** Habitable spaces, hallways, corridors, laundry areas, bathrooms, toilet rooms and habitable basement areas shall have a clear ceiling height of not less than 7 feet.

Exceptions: In one and two family dwellings, beams or girders spaced not less than 4 feet on center and projecting not more than 6 inches below the required ceiling height. Basement rooms in one and two family dwellings occupied exclusively for laundry, study or recreation purposes, having a ceiling height of not less than 6 feet 8 inches with not less than 6 feet 4 inches of clear height under beams, girders, ducts and similar obstructions. Rooms occupied exclusively for sleeping, study or similar purposes and having a sloped ceiling over all or part of the room, with a clear ceiling height of at least 7 feet over not less than one-third of the required minimum floor area. In calculating the floor area of such rooms, only those portions of the floor area with a ceiling height of 5 feet or more shall be included.

PF **Area for sleeping purposes 404.4.1** Every bedroom occupied by one person shall contain at least 70 square feet of floor area and every bedroom occupied by more than one person shall contain at least 50 square feet of floor area for each occupant thereof.

PF **Access from bedrooms 404.4.2** Bedrooms shall not constitute the only means of access to other bedrooms or habitable spaces and shall not serve as the only means of egress from other habitable spaces. **Exception:** Units that contain fewer than two bedrooms.

PF **Water closet accessibility 404.4.3** Every bedroom shall have access to at least one water closet and one lavatory without passing through another bedroom. Every bedroom in a dwelling unit shall have access to at least one water closet and lavatory located in the same story as the bedroom or an adjacent story.

PF **Prohibited Occupancy 404.4.4** Kitchens and non-habitable spaces shall not be used for sleeping purposes.

PF **Other requirements 404.4.5** Bedrooms shall comply with the applicable provisions of this code including, but not limited to, the light, ventilation, room area, ceiling height and room width requirements of this chapter; the plumbing facilities and water heating facilities of chapter 5; the heating facilities and electrical receptacle requirements of chapter 6; and the smoke detector and emergency escape requirements of chapter 7.

PF **Overcrowding 404.5** Dwelling units shall not be occupied by more occupants than permitted by the zoning ordinance for the particular zoning district in which the property is located.

PF **Food preparation 404.7** All spaces to be occupied for food preparation purposes shall contain suitable space and equipment to store, prepare and serve food in a sanitary manner. There shall be adequate facilities and services for the sanitary disposal of food wastes and refuse, including facilities for temporary storage.

Plumbing Facilities and Fixture Requirements

___P|F___ **Responsibility 501.2** The owner of the structure shall provide and maintain such plumbing facilities and plumbing fixtures in compliance with these requirements. A person shall not permit another person to occupy any structure or premises, which does not comply with the requirements of this chapter.

___P|F___ **Dwelling units 502.1** Every dwelling unit shall contain its own bathtub or shower, lavatory, water closet, and kitchen sink which shall be maintained in a sanitary, safe working condition. The lavatory shall be placed in the same room as the water closet or located in close proximity to the door leading directly into the room in which such water closet is located. A kitchen sink shall not be used as a substitute for the required lavatory.

___P|F___ **Toilet Rooms-Privacy 503.1** Toilet rooms and bathrooms shall provide privacy and shall not constitute the only passageway to a hall or other space, or to the exterior. A door and interior locking device shall be provided for all common or shared bathrooms and toilet rooms in a multiple dwelling.

___P|F___ **Location 503.2** Toilet rooms and bathrooms serving rooming units, dormitory units, or housekeeping units shall have access by traversing not more than one flight of stairs and shall have access from a common hall or passageway.

___P|F___ **Floor Surface 503.4** In other than dwelling units, every toilet room floor shall be maintained to be a smooth, hard, non-absorbent surface to permit such floor to be easily kept in a clean and sanitary condition.

___P|F___ **General-Plumbing systems and fixtures 504.1** All plumbing fixtures shall be properly installed and maintained in working order, shall be kept free from obstructions, leaks and defects and be capable of performing the function for which such plumbing fixtures are designed.

___P|F___ **Fixture Clearances 504.2** Plumbing fixtures shall have adequate clearances for usage and cleaning.

___P|F___ **Plumbing system hazards 504.3** Where it is found that a plumbing system in a structure constitutes a hazard to the occupants or the structure by reason of inadequate service, inadequate venting, cross connection, back siphonage, improper installation, deterioration or damage or for similar reasons, the code official shall require the defects to be corrected to eliminate the hazard.

___P|F___ **General-Water System 505.1** Every sink, lavatory, bathtub or shower, drinking fountain, water closet or other plumbing fixture shall be properly connected to either a public water system or to an approved private water system. All kitchen sinks, lavatories, laundry facilities, bathtubs and showers, shall be supplied with hot or tempered and cold running water in accordance with the *Michigan Plumbing Code*.

___P|F___ **Contamination 505.2** The water supply shall be maintained free from contamination, and all water inlets for plumbing fixtures shall be located above the flood-level rim of the fixture. Shampoo basin faucets, janitor sink faucets and other hose bibs or faucets to which hoses are attached and left in place, shall be protected by an approved atmospheric-type vacuum breaker or an approved permanently attached hose connection vacuum breaker.

___P|F___ **Supply 505.3** The water supply system shall be installed and maintained to provide a supply of water to plumbing fixtures, devices and appurtenances in sufficient volume and at pressures adequate to enable the fixtures to function properly, safely, and free from defects and leaks.

___P|F___ **Water Heating Facilities 505.4** Water heating facilities shall be properly installed, maintained and capable of providing an adequate amount of water to be drawn at every required sink, lavatory, bathtub, shower, and laundry facility at a temperature not less than 110 degrees F. A gas burning water heater shall not be located in any bathroom, toilet room, bedroom, or other occupied room normally kept closed, unless adequate combustion air is provided. An approved combination temperature and pressure-relief valve and relief-valve discharge pipe shall be properly installed and maintained on water heaters.

___P|F___ **General-Sanitary drainage system 506.1** Plumbing fixtures shall be properly connected to either a public sewer system or to an approved private sewage disposal system.

___P|F___ **Maintenance 506.2** Every plumbing stack, vent, waste, and sewer line shall function properly and be kept free from obstructions, leaks and defects.

___P|F___ **General-Storm Drainage 507.1** Drainage of roofs and paved areas, yards and courts and other open areas on the premises shall not be discharged in a manner that creates a public nuisance.

Mechanical and Electrical Requirements

___P|F___ **Responsibility 601.2** The owner of the structure shall provide and maintain mechanical and electrical facilities and equipment in compliance with these requirements. A person shall not permit another person to occupy any premises, which does not comply with the requirements of this chapter.

___P|F___ **Facilities required 602.1** Heating facilities shall be provided in structures as required by this section.

___P|F___ **Residential Occupancies 602.2** Dwellings shall be provided with heating facilities capable of maintaining a room temperature of 68 degrees F in all habitable rooms, bathrooms and toilet rooms, based on the winter outdoor design temperature for the locality indicated in Appendix D of the *Michigan Plumbing Code*. Cooking appliances shall not be used to provide space heating to meet the requirements of this section.

Exception: In areas where the average monthly temperature is above 30 degrees F, a minimum temperature of 65 degrees F.

___P|F___ **Heat Supply 602.3** Every owner shall supply heat from September 1st to June 1st to maintain a temperature of not less than 68 degrees F in all habitable rooms, bathrooms, and toilet rooms.

Exceptions: When the outdoor temperature is below the winter outdoor design temperature for the locality, maintenance of the minimum room temperature shall not be required provided that the heating system is operating at its full design capacity. The winter outdoor design temperature for the locality shall be indicated in Appendix D of the *Michigan Plumbing Code*. In areas where the average monthly temperature is above 30 degrees F a minimum temperature of 65 degrees F shall be maintained.

___P|F___ **Occupiable work spaces 602.4** Indoor occupiable work spaces shall be supplied with heat during the period from September 1st and June 1st to maintain a temperature of not less than 65 degrees F during the period the spaces are occupied.

Exceptions: Processing, storage and operation areas that require cooling or special temperature conditions. Areas in which persons are primarily engaged in vigorous physical activities.

___P|F___ **Room temperature measurement 602.5** The required room temperatures shall be measured 3 feet above the floor near the center of the room and 2 feet inward from the center of each exterior wall.

___P|F___ **Mechanical appliances 603.1** All mechanical appliances, fireplaces, solid fuel-burning appliances, cooking appliances and water heating appliances shall be properly installed and maintained in a safe working condition, and shall be capable of performing the intended function.

___P|F___ **Removal of combustion products 603.2** All fuel-burning equipment and appliances shall be connected to an approved chimney or vent.

Exception: Fuel-burning equipment and appliances which are labeled for un-vented operation.

___P|F___ **Clearances 603.3** All required clearances to combustible materials shall be maintained.

___P|F___ **Safety Controls 603.4** All safety controls for fuel-burning equipment shall be maintained in effective operation.

___P|F___ **Combustion air 603.5** A supply of air for complete combustion of the fuel and for ventilation of the space containing the fuel-burning equipment shall be provided for the fuel-burning equipment.

___P|F___ **Energy conservation devices 603.6** Devices intended to reduce fuel consumption by attachment to a fuel burning appliance, to the fuel supply line thereto, or to the vent outlet or vent piping there from, shall not be installed unless labeled for such purpose and the installation is specifically approved.

___P|F___ **Electrical facilities required 604.1** Every occupied building shall be provided with an electrical system in compliance with the requirements of this section and section 605.

___P|F___ **Service 604.2** The size and usage of appliances and equipment shall serve as a basis for determining the need for additional facilities in accordance with the *Michigan Electrical Code*. Dwelling units shall be served by a three-wire, 120/240-volt, single-phase electrical service having a rating of not less than 60 amperes.

___P|F___ **Electrical system hazards 604.3** Where it is found that the electrical system in a structure constitutes a hazard to the occupants or the structure by reason of inadequate service, improper fusing, insufficient receptacle and lighting outlets, improper wiring or installation, deterioration or damage, or for similar reasons, the code official shall require the defects to be corrected to eliminate the hazard.

___P|F___ **Installation-Electrical equipment 605.1** All electrical equipment, wiring and appliances shall be properly installed and maintained in a safe and approved manner.

___P|F___ **Receptacles 605.2** Every habitable space in a dwelling shall contain at least two separate and remote receptacle outlets. Every laundry area shall contain at least one ground-type receptacle or a receptacle with a ground fault circuit interrupter. Every bathroom shall contain at least one receptacle. Any new bathroom receptacle outlet shall have ground fault circuit interrupter protection.

___P|F___ **Lighting fixtures 605.3** Every public hall, interior stairway, toilet room, kitchen, bathroom, laundry room, boiler room and furnace room shall contain at least one electric lighting fixture.

___P|F___ **General-Elevators 606.1** Elevators shall be maintained to sustain safely all imposed loads, to operate properly, and to be free from physical and fire hazards. The most current certificate of inspection shall be on display at all times within the elevator , or the certificate shall be available for public inspection in the office of the building operator.

___P|F___ **Elevators 606.2** In buildings equipped with passenger elevators, at least one elevator shall be maintained in operation at all times when the building is occupied. **Exception:** Where there is only one elevator, it is permitted to be temporarily out of service for testing or servicing.

___P|F___ **General-Duct systems 607.1** Duct systems shall be maintained free of obstructions and shall be capable of performing the required function.

Fire Safety Requirements

___P|F___ **Responsibility 701.2** The owner shall provide and maintain such fire safety facilities and equipment in compliance with these requirements. A person shall not permit another person to occupy any premises that do not comply with the requirements of this chapter.

___P|F___ **General means of egress 702.1** A safe, continuous and unobstructed path of travel shall be provided from any point in a building or structure to the public way. Means of egress shall comply with the *Michigan Building Code*.

___P|F___ **Aisles 702.2** The required width of aisles in accordance with the *Michigan Building Code* shall be unobstructed.

___P|F___ **Locked Doors 702.3** All means of egress doors shall be readily openable from the side from which egress is to be made without the need for keys, special knowledge or effort, except where the door hardware conforms to that permitted by the *Michigan Building Code*.

___P|F___ **Emergency escape openings 702.4** Required emergency escape openings shall be maintained in accordance with the code in effect at the time of construction, and the following. Required emergency escape and rescue openings shall be operational from inside of the room without the use of keys or tools. Bars, grilles, grates or similar devices are permitted to be placed over emergency escape and rescue openings provided the minimum net clear opening size complies with the code that was in effect at the time of construction and such devices shall be releasable or removable from the inside without the use of a key, tool or force greater than that which is required for normal operation of the escape and rescue opening.

___P|F___ **Fire-resistance-rated assemblies 703.1** The required fire-resistance rating of fire-resistance-rated walls, fire stops, shaft enclosures, partitions, and floors shall be maintained in accordance with the *Michigan Building Code* at the time of construction.

___P|F___ **Opening Protectives 703.2** Required opening protectives shall be maintained in a working condition. All fire smoke stop doors shall be maintained in working condition. Fire doors and smoke barrier doors shall not be blocked or obstructed or made inoperable.

___P|F___ **General fire protection systems 704.1** All systems, devices and equipment to detect a fire, actuate an alarm, or suppress or control a fire or any combination thereof, shall be maintained in a working condition at all times in accordance with the *International Fire Code*.

___P|F___ **Smoke Alarms 704.2** Single or multiple station smoke alarms shall be installed and maintained in groups R-2, R-3, R-4 and in dwellings not regulated in group R occupancies, regardless of occupant load at all of the following locations: On the ceiling or wall outside of each separate sleeping area and in the immediate vicinity of bedrooms. In each room used for sleeping purposes. In each story within a dwelling unit, including basements and cellars but not including crawl spaces and uninhabitable attics. In dwellings where there are split levels and without an intervening door between the adjacent levels, a smoke alarm installed on the upper level shall suffice for the adjacent lower level provided that the lower level is less than one full story below the upper level. Single or multiple station smoke alarms shall be installed in accordance with the *International Fire Code*.

___P|F___ **Power Source 704.3** In group R occupancies and in dwellings not regulated as Group R occupancies, single station smoke alarms shall receive their primary power from the building wiring provided that such wiring is served from a commercial source and shall be equipped with a battery backup. Smoke alarms shall emit a signal when the batteries are low. Wiring shall be permanent and without a disconnecting switch other than as required for over current protection. **Exception:** Smoke alarms are permitted to be solely battery operated in buildings where no construction is taking place, buildings that are not served from a commercial power source and in existing areas of buildings undergoing alterations or repairs that do not result in the removal of interior wall or ceiling finishes exposing the structure, unless there is an attic, crawl space or basement available which could provide access for building wiring without the removal of interior finishes.

___P|F___ **Interconnection 704.4** Where more than one smoke alarm is required to be installed within an individual dwelling unit in Group R-2, R-3, R-4 and in dwellings not regulated as Group R occupancies, the smoke alarms shall be interconnected in such a manner that the activation of one alarm will activate all of the alarms in the individual unit. The alarm shall be clearly audible in all bedrooms over background noise levels with all intervening doors closed.

Exceptions:

1. Interconnection is not required in buildings which are not undergoing alterations, repairs, or construction of any kind.
2. Smoke alarms in existing areas are not required to be interconnected where alterations or repairs do not result in the removal of interior wall or ceiling finishes exposing the structure, unless there is an attic, crawl space or basement available which could provide access for interconnection without the removal of interior finishes.