



INSPECTION PROCEDURES

Inspections may be requested 24 hours a day by calling METRO (817) 410-3010. Inspections recorded before 7:30 AM will usually be made that morning. Inspection recorded before 12:30 PM will be made that afternoon.

1. The building permit must be issued prior to issuance of plumbing, electrical or mechanical permits.
2. Job address must be posted in a prominent location and be of adequate size and color so as to be easily read from the street. If the address is not posted, no inspection will be made.
3. It is a violation of City Ordinance to begin construction work without a permit. Beginning work without a valid permit (regardless of whether an application has been made) could result in the **revocation of your Contractor's Registration for a period of not less than one year and the issuance of citations.**

Failure to begin work within **180** days after permit issuance, or allowing **180** days to pass between inspections will result in an expired permit. Once a permit has expired, **a new permit must be obtained and new fees paid. Permits which have expired for more than 30 days are subject to the issuance of citations.**

No future permits will be issued until the contractor resolves all expired permits.

4. **REQUIRED INSPECTIONS:**

- (1) Tree Inspection - approved plot plan must be on jobsite (this inspection is required prior to any dirt work)
- (2) Temporary Pole
- (3) Setback Inspection (form survey required)
- (4) Termite Treatment Certification
- (5) Rough Plumbing and Sewer
- (6) Foundation (requires approved plans and plot plan on site)
- (7) Wall bracing before sheathing over braces
- (8) Electrical Rough-In (building shall be dried in)

- (9) Mechanical Rough-In (building shall be dried in)
 - (10) Plumbing Topout and Gas Rough-In
 - (11) Framing / Wall Bracing
 - (12) Wall Ties / Lintels
 - (13) Drive Approach / City Sidewalk / Paving
 - (14) Firebox
 - (15) Tub Seal and / or Hydromassage Bathtubs
 - (16) Temporary Electric / Gas
 - (17) Third Party Energy Code Compliance Certification
 - (18) Lot Drainage
 - (19) Final Inspection
5. A copy of the permit, plans, and all correction notices must be on the jobsite for the inspector's reference. It is very important that all inspection tags be retained by the permit holder.
 6. For technical information, call the Building Inspection Division office at METRO (817) 410-3165 between the hours of 8:00 AM and 5:00 PM, Monday through Friday. Counter hours are from 8:00 AM to 4:30 PM.
 7. Due to office procedures, results of field inspections will not be available by telephone for **twenty-four (24) hours** after the inspection is made.
 8. Attached is a list of items that the Inspectors find are the most common items that are in violation of the Grapevine Building Code. This is **NOT** a list of all inspection items, but a **GUIDE** to help you know what type of items are being looked for in each inspection category. This list is primarily intended to address inspection requirements for wood framed one and two family dwelling units. Due to the large variation in scope and construction methods involved with commercial projects, a comprehensive list of inspection procedures is not possible.
 9. **REINSPECTION FEES:**
 - A. Reinspection fees will be charged if:
 1. The inspection called for is **NOT READY**,
 2. City approved plans are not available on site, or;
 3. The items are not corrected on a recall inspection.
 - B. All re-inspection fees for all trades are **forty-two dollars (\$42.00)**.

INSPECTIONS

******Note: Codes adopted by City of Grapevine******

2006 International Building Code (IBC), 2006 International Residential Code (IRC)
2006 International Mechanical Code (IMC), 2005 National Electrical Code (NEC)
2006 International Plumbing Code (IPC), 2015 International Energy Conservation Code (IECC) The International Energy Conservation Code is not adopted by the city. However, it is adopted by the State of Texas, and by state law the city is required to verify compliance with the provisions of the Energy Code. Energy Code Inspections shall be performed by third party Certified Energy Code Inspectors. A list of those inspectors is available at the Building Department or on the State of Texas Architectural Barriers website, <http://www.license.state.tx.us/AB/ab.htm>.

ADDRESS POSTED AND MAINTAINED THROUGHOUT CONSTRUCTION

1. Tree Inspection: City Ordinance No. 82-73 (Zoning Ordinance)
 - A. Stringline the property lines.
 - B. Stake corners of house, detached buildings, driveways, etc.
 - C. A tree survey may be submitted on a plot plan showing the building foot print and sealed by a registered land surveyor.
2. Temporary Pole: 2005 (NEC) 230, 590; City Code of Ordinances Article III; TXU Electric requirements:
 - A. Ground Fault Circuit Interrupter (GFCI) must be in place for all circuits including the 220V. Article 590
 - B. Plugs outside the box must be weatherproof.
 - C. Pole must be secured and stable.
 - D. No holes in the panel face.
 - E. Grounding shall be #6 copper with driven eight-foot (8') ground rod.
 - F. Address must be shown on the pole.
3. Setback Inspection: Zoning Ordinance No. 82-73 Appendix D, 2006 (IRC). Sec. R109.1.5.

- A. Foundation setback survey by registered surveyor.
 - B. Special permission may be granted in certain cases to allow a "stringline" inspection, by staking and stringlining property lines, and staking building corners.
4. Termite Treatment: Sec. R320, 2006 International Residential Code, 2304, 2006 International Building Code.
- A. Certification shall be submitted from a Licensed Pest Control Applicator stating that chemical soil treatment was performed in accordance with the code.
 - B. Alternatively, chemically treated wood may be used.
5. Rough Plumbing: 2006 (IPC), 2006 (IRC) and Code of Ordinance Art. VIII
- A. Traps - All fixtures shall be trapped to insure against sewer gas escaping into the building.
 - 1. Water closet has a built-in trap.
 - 2. Sinks are trapped above the floor.
 - 3. Washing machines are trapped above the floor.
 - 4. Tubs, showers and floor drains are trapped below the floor.
 - B. Waterlines may be of any material permitted by code except Polybutylene.
 - 1. All piping must be continuous. No joints are permitted under the slab.
 - 2. Cold water service must be three-quarter inch (3/4") or larger.
 - 3. Cold waterlines are limited to three openings on one-half inch (1/2") pipe.
 - 4. Waterline to meter shall be in place on rough plumbing, air or water test on lines at time of inspection. *Air: 50psi; Water: Working Pressure*
 - C. Sewer Pipe - Stack vented systems only.
 - 1. All drain pipe under slab must be cast iron or Schedule 40 PVC.
 - 2. Size of drain pipe is determined by fixture units.
 - 3. Slope for less than four-inch (4") pipe shall be not less than one-quarter inch (1/4") per foot of pipe and four-inch (4") and greater shall

not be less than one-eighth inch (1/8") per foot of pipe.

4. Cleanouts shall be installed at each change of direction of the building drain greater than 45 degrees. Cleanouts on concealed piping shall be extended through and terminate flush with the finished wall or floor, or brought to grade. Two-way cleanouts shall be installed at exit from under slab.
5. Building sewer shall be complete to sanitary sewer.
6. A water test is required to be placed on the building drain and sewer system. A test tee shall be placed as close as possible to the sewer tap and system tested with a five-foot (5') of head above the highest point in the completed system.
7. The T & P (Temperature and Pressure Relief Valve) drain line shall be hard drawn copper tubing of Type "L" or better or CPVC. Internal diameter of line shall be at least as large as the T & P discharge. Union fitting is required at T & P connection.
8. The T & P drain line shall be 12-inches above the finished floor elevation when exiting the building; ell down 90 degrees; terminate even with the brick ledge or a minimum of six-inches (6") above grade, whichever is greater.

D. Bedding of all lines must be solidly packed under and up each side of all drain and sewer pipes.

E. NO WATER PIPES SHALL BE PLACED IN UNHEATED WALLS, CEILINGS OR ATTICS.

6. Foundation: Chapters 18 and 19 of the 2006 (IBC), Chapter 3, Chapter 4 of the 2006 (IRC)

ALL FOUNDATION INSPECTIONS REQUIRE THAT THE CITY APPROVED AND STAMPED FOUNDATION PLANS AND PLOT PLAN BE ON SITE FOR THE CITY INSPECTOR

- A. All beams and steel placement shall comply with the city approved engineered drawings.
- B. Foundations adjacent to sloped grade shall comply with Sec. R403, 2006 (IRC), or Chapter 18, 2006 (IBC).
- C. Under or in-slab dryer or range vents shall be shown on the engineered drawings, or an engineer's letter confirming site inspection and approval

must be provided.

- D. Protection of Piping: Chapter 3, 2006 (IPC), Chapter 29, 2006 (IRC).
 - 1. All piping passing under or through walls shall be protected from breakage. All piping passing through or under cinders or other corrosive materials shall be protected from external corrosion in an approved manner. Approved provisions shall be made for expansion of hot water piping. Voids around piping passing through concrete floors on the ground shall be appropriately sealed.
 - 2. All piping in connection with a plumbing system shall be so installed that piping or connections will not be subject to undue strains or stresses, and provisions shall be made for expansion, contraction, and structural settlement. No piping shall be directly embedded in concrete or masonry walls or footings. No structural member shall be seriously weakened or impaired by cutting, notching or otherwise.
 - 3. Water supply must be connected to City water pressure or maintain 50psi for 10 minutes on a 100 lb. gauge.
- 7. Wall Bracing: Bracing shall be inspected prior to installing wall sheathing (see framing).
- 8. Electrical Rough-In: 2005 (NEC)
 - A. Panel location:

The electrical panel shall not be located in a closet. It may be inside or outside.
 - B. Kitchen:
 - 1. Dishwasher and disposal should be on a separate 20 amp circuits (these are not included on the small appliance circuits).
 - 2. Kitchen and dining area may be on the two (2) small appliance circuits.
 - C. All sink tops shall have a receptacle for each counter space of 12-inches or more and an additional one (1) for counter space that is four-feet (4') or more. All kitchen counter receptacles required to be GFCI protected.
 - D. All outside receptacles, and those in bathrooms and garages (with the exception of the receptacle for refrigerator which must be a single plug receptacle) shall be on a GFCI protected circuit.
 - E. Bedrooms shall conform to Art. 210.12 (for ARC fault protection), and Art.

210-52.

- F. Any electrical that passes through a stud or plate that is within one and one-quarter inch (1/4") inch of the edge shall be strapped with a one-eighth inch (1/8") thick by one and one-half inch (1½") wide metal strap.
 - G. Hallways: For hallways of ten-feet (10') or more in length at least one (1) receptacle outlet shall be required. The hall length shall be considered the length along the centerline of the hall without passing through a doorway.
9. A/C and Heating Rough-In: 2006 (IMC), Chapter 12-23, 2006 (IRC), local amendments.
- A. Ducts for exhausting clothes dryers shall be rigid duct to the exterior. These ducts shall not be connected or installed with sheet metal screws or other fasteners which will obstruct the flow. Unless otherwise permitted or required by the dryer manufacturer installation instructions and approved by the building official, domestic dryer moisture exhaust ducts shall not exceed a total combined horizontal and vertical length of 25-feet, including two (2) 90-degree elbows. Two and one-half feet (2 ½') shall be deducted for each 45-degree elbow, and five-feet (5') for each 90° elbow in excess of two (2).
 - B. Equipment regulated by this code requiring an electrical connection of more than 50 volts shall have a positive means of disconnect adjacent to and in sight from the equipment served. A 120-volt receptacle shall be located within 25-feet of the equipment for service maintenance purposes.
 - C. Suspended-type unit heaters shall be installed as follows:
 - 1. Safely and securely supported with hangers and brackets of non-combustible material.
 - 2. With clearances from combustible materials of at least 18-inches at the sides, 12-inches from the bottom, six-inches (6") above the top and 18-inches beyond the front and rear of the heater, or shall be installed to conform with the terms of listing in the manufactures installation instructions.
 - D. **Unvented fuel-burning appliances (fireplaces, room heaters, decorative appliances etc.) shall not be installed, used, maintained or permitted to exist in a residential occupancy.** An unvented heater shall not be installed in any building, whether as a new or a replacement installation.
 - E. Vents shall extend above the roof surface, through a flashing, and terminate in a listed vent cap installed in accordance with its listing in the manufacture installation instructions.

- F. Venting systems shall terminate not less than four-feet (4') below or four-feet (4') horizontally from, and not less than one-foot (1') above a door, and openable window or gravity air inlet into a building.
 - G. When a cooling coil or cooling unit is located in an attic or furred space where damage may result from condensate overflow, an additional watertight pan of corrosion-resistant metal shall be installed beneath the cooling coil or unit to catch the overflow condensate due to a clogged primary condensate drain, or one pan with a standing overflow and a separate secondary drain may be provided in lieu of the secondary drain pan. The additional pan or the standing overflow shall be provided with a drain pipe, **minimum three-quarter inch (3/4") nominal pipe size**, discharging at a point which can be readily observed.
 - H. In lieu of required exterior openings for natural ventilation in bathrooms containing a bathtub or shower or combination thereof, laundry rooms, similar rooms, a mechanical ventilation system connected directly to the outside capable of providing five air changes per hour shall be provided. The point of discharge of exhaust air shall be at least three feet from any opening to the building.
 - I. A/C Ducts shall be run to every habitable room.
10. Plumbing Topout: 2006 (IPC), 2006 (IRC)
- A. No structural members shall be seriously weakened or impaired by cutting, notching, or otherwise. No 3" drain lines may be installed in a 2 x 4 wall.
 - B. No water, soil, or waste pipe shall be installed or permitted outside of a building or in an exterior wall unless, where necessary, adequate provisions are made to protect such pipe from freezing.
 - C. All waterlines in a common wall between the dwelling and garage shall be insulated from the cold.
 - D. All plumbing shall be protected with one-eighth inch (1/8") thick by one and one-half inch (1½") wide straps when plumbing is within one and one-half inch (1½") of the edge of a stud or plate. 2006 (IRC), P2603.
 - E. Each vent pipe or stack shall extend through flashing and shall terminate vertically not less than six-inches (6") above the roof nor less than one-foot (1') foot from any vertical surface.
 - F. Each vent shall terminate not less than ten-feet (10') from, or at least three-

feet (3') above any openable window, or opening, air intake, or vent shaft.

- G. An additional building sewer cleanout shall be installed at intervals not to exceed 100-feet and each aggregate change in direction exceeding 45 degrees.
 - H. Underground gas shall have 18" minimum coverage. Exposed gas piping shall be kept at least six-inches (6") above grade or structure.
 - I. CSST gas piping shall be a system approved by the City. Plan review approval required for all CSST installations. Plan submittal shall include manufactures specifications and all sizing calculations. See City of Grapevine specifications for detailed requirements approved plans shall be available at jobsite for inspection.
 - J. All showers shall be blocked and lined with a shower pan.
 - K. Top-out water test on one and two-story dwellings required.
 - L. The temperature and pressure relief valve drainline can not be reduced in size (minimum is three-quarter inch (3/4")). Water heaters which depend on the combustion of fuel for heat shall not be installed in a room used or designated to be used for sleeping purposes, bathroom, clothes closet's and or closet or other confined space opening into the bath or bedroom. Water heaters are not permitted in unconditioned attic spaces.
11. Framing: CHAPTER 23, 2006 (IBC), CHAPTERS 3, 4, 5, 6, 8, 9, 2006 (IRC)
- A. Bottom plates shall be treated wood and bolted with J-bolts, Sec. 2308.6, 2006 (IBC), Sec. R319, R403, Figure R602.3(2), 2006 (IRC).
 - B. Wall bracing on corners of outside walls shall have diagonal brace cut into top plate, bottom plate and studs (at not more than 60 degrees nor less than 45 degrees) at each end and at least every 25-feet in between. Alternate methods are listed in the respective codes. All wall lines (including garage returns) shall be braced. Bracing shall be inspected prior to installation of wall sheathing.
 - C. All openings 4-feet (4') wide or less in bearing walls shall be provided with headers consisting of either two (2) pieces of two-inch (2") framing lumber placed on edge and securely fastened together or four-inch (4") lumber of equivalent cross section. All openings more than four-feet (4') wide shall be provided with headers or lintels. Each end of a lintel or header shall have a length of bearing of not less than one and one-half inches (1½") for the full width of the lintel.

- D. Joist and rafter span tables for the most common type of lumber can be found in the 2006 (IBC) and 2006 (IRC).
 - E. There shall be no lay down rafters, California valleys, etc...
 - F. Rafters shall be framed directly opposite each other at the ridge. There shall be a ridge board at least one-inch (1") nominal thickness at all ridges and not less in depth than the cut end of the rafter. At all valleys and hips there shall be a single valley or hip rafter not less than two-inch (2") nominal thickness and not less in depth than the cut end of the rafter.
 - G. Purlins, Braces: Sec. 2308.10.5, 2006 (IBC), Sec. R802.5, 2006 (IRC)
 - 1. Roof purlins to support roof loads may be installed to reduce the span of rafters within allowable limits and shall be supported by struts to bearing walls. The maximum span of 2x4 purlin shall be four-feet (4'). The maximum span of 2x6 purlin shall be six-feet (6') **but in no case shall the purlin be smaller than the supported rafter.** Struts shall not be less than 45 degrees from the horizontal.
 - H. Other roof bracing: Sec. 2308, 2006 (IBC), Chapter 8, 2006 (IRC)
 - 1. Rafter collar ties shall be not more than four-foot (4') on centers.
 - I. Decking - All edges shall have clips between rafters ½ inch minimum thickness nominal plywood / OSB minimum thickness required. Joints shall be well fitted.
 - J. Windows - All bedrooms shall have at least one window with 5.7 square feet (5 square feet if serving a room at grade) of opening or a door leading directly outside. Windows shall have a minimum clear opening width of 20-inches and height of 24-inches.
 - K. Stairs for one and two family dwellings shall have maximum seven and three-quarter inch (7 ¾") riser height and minimum ten-inches (10") tread run. Handrails shall be one and one-quarter inch (1 ¼") to two and five-eighth inches (2 5/8") in diameter.
12. Wall Ties: Sec. 2104, 2006 (IBC), Chapter 7, 2006 (IRC)
- A. Wall ties shall be corrosion resistant, made of sheet metal, and shall have a **minimum size of #22 gauge by seven-eighths inch (7/8")**. Section 703.7.4.1, Size and spacing. Ties shall not be spaced more than 24-inches horizontally and vertically, and shall support not more than 2.67 square feet of wall opening.

13. Drive Approach / Sidewalk
 - A. Inspections are requested through Building Inspection Department like other inspections. However, the inspection is performed by Public Works inspectors. They may be reached at (817) 410-3136.
14. Fireplace: Sec. 2111, 2006 (IBC), Chapter 10, 2006 (IRC)
 - A. Masonry walls shall be not less than eight-inches (8") in thickness. Walls of fireboxes shall be not less than ten-inches (10") in thickness, except where lined with firebrick they may not be less than eight-inches thick. Firebox shall be not less than 20-inches in depth.
 - B. Hearth extensions shall extend at least 16-inches from the front and at least eight-inches (8") beyond each side of the fireplace opening. When the opening is six square feet (6') or larger the extension shall be at least 20-inches in front and 12-inches beyond each side of the fireplace opening.
 - C. Check to see that the damper is set and sealed. This is to insure that no fire can reach the mantle blocks and no smoke can escape through the brick.
 - D. All fire brick shall be laid flat except the last tier of the back which can be laid in the soldier position. Maximum one-quarter inch (1/4") mortar joints.
15. Tub Seal Inspection: 2006 (IPC), Sec. P2720, 2006 (IRC), Article 680, 2005 (NEC)
 - A. Insure that floor has been properly sealed around the drainline.
 - B. **A removable panel of sufficient dimensions shall be provided to access the pump.**
 - C. The circulation pump shall be located above the crown weir of the trap.
 - D. The pump and the circulation piping shall be self-draining to minimize water retention.
 - E. Fittings on whirlpool bathtubs shall comply with listed standards, and manufactures installation instructions.
16. Temporary Electric/Gas:
 - A. May be requested for 30 days.
 - B. Temporary release form must be signed and submitted to the Building Inspection Department.

- C. Temporary release details are located at www.grapevinetexas.gov or Temporary Utility Release Policy
17. Energy Code Inspections:
- A. Required by State Law; city verified compliance through Third Party Certified Inspectors.
 - B. A list of inspectors is available at the Building Department, or on the State of Texas Architectural Barriers website <http://www.license.state.tx.us/AB/ab.htm>
18. Drainage Inspection:
- A. Must be called simultaneously with or prior to Final Inspection.
 - B. Final Inspection cannot be passed prior to passing Drainage Inspection.
 - C. Inspection is performed by Public Works Inspectors. For information call (817) 410-3156.
19. Final Inspection:
- A. Outside:
 - 1. **Permanent address shall be on the house.** Numbers shall have contrasting background, be a minimum of three inches in height and be readable from the street.
 - 2. Water meter box shall be set to final grade or level with the curb. It shall be cleaned out for access by the meter reader.
 - 3. Outside receptacles shall have weatherproof covers.
 - 4. Final grading shall be performed to drain away from the house and graded to avoid retention of water.
 - 5. The grade must slope away from the foundation a minimum of 6-inches (6") in the first ten-feet (10').
 - 6. Street and sidewalks shall be cleaned of any dirt or debris.
 - 7. **All Debris shall be removed from the property, and all off site areas where debris was stored.**
 - 8. Water valves, vaults and manholes are to be level with grade.

9. All flatwork shall be complete, including: porches, sidewalks, driveways, approaches, patios, etc.
10. All doors leading to the exterior of the dwelling shall have a landing.
11. Temperature and pressure relief valve drainlines shall be a minimum of six-inches (6") above the final grade of the lot. Lift the relief valve to make sure that the line is clear and will flow.
12. Every chimney shall extend two-feet (2') above any portion of the building within ten-feet (10').
13. The electrical meter box shall have its faceplate open and the service run to the box, but not connected. Schedule 80 rigid non-metallic conduit shall be the minimum riser for underground service to the meter box. Temporary power must be supplied to the building from another source.
14. **A supplemental grounding electrode (grounding rod) is required for all residential construction.**

B. Inside:

1. Appliances may or may not be set at time of final inspection. If the appliances are not set, conductors must be properly terminated in a box with a cover plate.
2. Ductless vent hoods are acceptable provided a vented hood is not required. Those with a duct shall be to the outside with rigid duct. Check the backdraft damper to insure that it works and check the fan to see that it turns freely.
3. Check all sinks to see that the P-trap is connected. All sinks shall have water valves. Check the disposal to see if it is wired, if it is a plug and cord type, see if the cord will reach the outlet.
4. Check the electrical panel face plate to insure that the slots are filled or have blank covers. The panel shall have circuit breakers identified as to which circuits they serve. Test arc-fault and GFCI breakers.
5. The temperature and pressure relief valve drainline can not be reduced in size (minimum is three-quarter inch, $\frac{3}{4}$ "). Water heaters which depend on the combustion of fuel for heat shall not be installed in a room used or designated to be used for sleeping purposes, bathroom, clothes closet's or any closet or other confined space opening into the bath or bedroom. All water heaters installed in a garage or room that opens into the garage, regardless of energy

source, shall be a minimum of 18-inches above the garage floor. Check to see that it is wired or if it is a plug and cord type, and the cord reaches the outlet.

6. GFCI locations: Required for the garage, bathrooms, kitchen counter outlets and outside receptacles. The GFCI may be located in the aforementioned locations or in the electrical panel. All shall be tested.
7. No open or exposed wiring is acceptable. Check all light fixtures, outlets and switches.
8. A/C and heater units shall be checked for wiring, freon lines and condensation lines. Attic shall be accessible by an opening and passage way as large as the largest piece of the unit, but in no case shall the opening be less than 22-inches by 30-inches. The distance from the passage way access to the unit shall not exceed 20-feet measured along the center line of the passageway. Passageway shall be unobstructed and shall have continuous solid flooring not less than 24-inches wide from the entrance opening to the unit. A level working platform not less than thirty inches in depth shall be provided in front of the entire firebox side of the war-air furnace. All walkways and platforms shall be designed as floors (Sec. 503, 2003 IRC), minimum three-quarter inch (3 ¼") and nailed to joists.
9. Check the hearth extension for compliance. For firebox openings, six square feet (6') and larger, the hearth extension shall be at least 20-inches. For less than six square feet (6') the hearth extension shall be at least 16-inches.
10. **Smoke detectors shall be installed in each sleeping room and at a point centrally located in the corridor or area given access to separate sleeping areas.** In dwelling units where the ceiling height of a room open to the hallway serving the bedrooms exceeds that of the hallway by 24-inches or more, smoke detectors shall be installed in the hallway and in the adjacent room. **Detectors shall be interconnected.**
11. **FIXTURES IN CLOTHES CLOSETS:**
Fixture Type Permitted. Listed fixtures of the following types shall be permitted to be installed in a closet:
 - A. A surface-mounted or recessed incandescent fixture with a completely enclosed lamp.
 - B. A surface-mounted or recessed fluorescent fixture.

Fixture Types Not Permitted. Incandescent fixtures with open or partially enclosed lamps and pendant fixtures or lampholders shall not be permitted.

12. The garage door leading from the dwelling to the garage shall be a one and three-eighths inch (1 3/8") minimum thickness, solid core door or metal door with a 20-minute rating. Windows are not permitted in this door.
13. All doors leading to the exterior of the dwelling or garage shall be secured with a dead bolt lock having a minimum bolt throw of one-inch (1") which shall penetrate into a metal strike plate. The door shall not be key operated from the inside.
14. All sliding glass doors leading outside directly into the dwelling shall be secured with secondary locking device that inhibits lifting or prying.