



## Marion County Growth Management Department Building Division

2710 East Silver Springs Boulevard  
Ocala, Florida 34470

Phone: (352) 438-2400

Fax: (352) 438-2401

Web: [www.marioncountyfl.org/Building/building\\_default.aspx](http://www.marioncountyfl.org/Building/building_default.aspx)

### BUILDING CODE GUIDELINES FOR PLUMBING INSPECTIONS

Building Code compliance is the obligation of design professionals and/or contractors. Plan Review and Inspection Guidelines are intended to be used by design professionals and contractors to ensure that construction plans and construction projects, at a minimum, address the same code priorities that the Marion County Building Department will be looking at during plan reviews and inspections. **These Guidelines are not all inclusive.** Additional requirements in the Florida Building Code may also apply to your project. If you need assistance with a code question, please consult the Florida Building Code or contact the Marion County Building Division at (352)438-2400.

#### Abbreviations for Code Citations Found on Building Division Forms:

Volume	Abbreviation
Florida Building Code - Building	FBC- B
Florida Building Code - Plumbing	FBC- P
Florida Building Code - Mechanical	FBC- M
Florida Building Code - Fuel Gas	FBC- G
Florida Building Code - Existing Building	FBC- EB
Florida Building Code - Residential	FBC- R
National Electrical Code	NEC
National Fire Protection Association	NFPA
Mobile Home	FAC-15C

General Information for all Permits	
A. Permit Card	FBC 105.7
B. Approved site Plan	FBC 106.3.5
C. Approved Complete set of Plans	FBC 106.3.1
D. Sanitary Facilities on site	FBC 3305.1, FBC P 311.1
<b>Rough Plumbing</b> (under slab) <i>Inspection code # 243</i>	
A. Check minimum setbacks as per site plan if plans call for monolithic slab	
B. Drainage system	
1. Waste piping	
a. Proper type fittings	FBC-P 706, FBC-R P3005
b. Sized per fixture load	FBC-P 710, FBC-R P3005.4
2. Proper venting	FBC-P Chpt. 9, FBC-R Chpt. 31
3. Distance from trap to vent	FBC-P Table 906.1, FBC-R Table P3105.1
4. Proper fall/grade	FBC-P 704.1, FBC-R P3005.3
5. Support base of stacks	FBC-P 308.9, FBC-R P2605
6. Relieving arches on pipes passing through footings	FBC-P 305.5, FBC-R P2603.5
7. PVC joints require purple primer	FBC-P 705.8.2
8. Check for minimum facilities	FBC-P 403
9. Proper sanitary test	FBC-P 312.2, FBC-R P2503.5
C. Water Distribution	
1. Proper type fitting and pipe	FBC-P Tables 605.3 & 605.4 FBC-R Tables P2904.5 & P2904.6

2. Sized properly	FBC-P Table 603.1, FBC-R Table P2903.2b
3. Pipe protection	FBC-P 305.1, FBC-R2603
4. Annular space between sleeves and pipes to be filled	FBC-P 305.4, FBC-R2603.4
5. Pressure test	FBC-P 312.5, FBC-R2503.6
<b>2<sup>nd</sup> Rough Plumbing:</b> <i>Inspection code # 244</i> <i>Included in the Residential Inspection codes # 756, 792</i>	
<b>A.</b> Waste arms (proper fall and distance from vent)	FBC-P Table 906.1, FBC-R Table P3105.1
<b>B.</b> Vents	
1. All stacks complete and a minimum 6" penetration thru roof	FBC-P 904.1, FBC-R P3103.1
2. Proper distance from door and window openings	FBC-P 904.5, FBC-R P3103.5
3. Horizontal dry vents to be 6" above flood level rim of highest fixture being served	FBC-P 905.5, FBC-R P3104.5
4. Proper support of piping	FBC-P Table 308.5, FBC-R Table. P2605.1
5. Nail guard protection for piping passing thru plates and studs	FBC-P 305.8, FBC-R P2603.2.1
6. Horizontal piping in attic area where batt insulation is installed shall be above such insulation	FL Energy Code
7. Vents properly sized	FBC-P 916.1, FBC-R P3113
<b>C.</b> Water Distribution	
1. Proper pipe and fittings	FBC-Table 605.3 & 605.4 FBC-R Table P2904.5 & P2904.6
2. Minimum pressure test	FBC-P 312.5, FBC-R P2503.6
3. Pressure balance valves for showers valves and combination tub and shower valves	FBC-P 424.4, FBC-R P2708.3
4. Hammer arrestors required on quick closing valves	FBC-P 604.9, FBC-R P2903.9
5. Proper support of piping	FBC-P 308.5, FBC-R Table P2605.1
6. Nail Guard protection for pipes passing thru plates and studs	FBC-P 305.8, FBC-R P2603.2.1
7. All horizontal piping in attic areas where batt insulation is to be installed shall be above such insulation	FL Energy Code
8. Sized properly	FBC-P Table 603.1, FBC-R Table 2903.2b
<b>D.</b> Tubs and Showers	
1. Tubs to be set and secured	
a. Waste and overflow to be installed	
b. Tub valve installed	
c. Tub box to be sealed	
d. Fiberglass units to be fastened to studs	
e. Water test	
2. Shower pans to be set	
a. Formed vinyl shower pans are to be secured in place on all sides turned up a minimum of 3" above the finished curb. Liners shall be pitched 1/4 inch per foot towards the drain.	FBC-P 417.5.2, FBC-R P2709.2
b. Liners shall be recess as to not occupy space of wall covering	FBC-P 417.5.2, FBC-R P2709.3
c. Fiberglass units to be fastened to studs	
d. Water test	
<b>E.</b> Pan drain and relief line proper size	FBC-P 504.7.1, FBC-R P2801
<b>F.</b> Check for proper fixture clearances	FBC-P 405.3, FBC-R P2705.1
<b>Final Plumbing:</b> <i>Inspection code # 241</i> <i>Included in the Residential Inspection codes # 774, 776, 792</i>	
<b>A.</b> Locate main water shut off; if exterior of building must be in approved valve box	
<b>B.</b> Closed water distribution systems require thermal expansion protection.	FBC-P 607.3, FBC-R P2903.4

<b>C.</b>	Backflow prevention on all hose bibs	FBC-P 608.15.4.2, FBC-R P2902.3.3
<b>D.</b>	Pan drain and relief termination	FBC-P 504.7.1 & 504.6.1 FBC-R P2801.5.2 & P2803.6.1
<b>E.</b>	Check for reversed hot and cold water to fixtures	FBC-P 607.4
<b>F.</b>	Stops and p-traps installed on fixtures	
<b>G.</b>	All fixtures set and secured with working water pressure	
<b>H.</b>	Be sure water service and sewer inspections have been made	
<b>Sewer/Septic Hookup:</b> <i>Inspection code # 245</i> <i>Included in the Residential Inspection code # 770</i>		
<b>A.</b>	Clean-out a minimum 18" clearance from building	FBC-P 707.8, FBC-R P3005.2.5
<b>B.</b>	Sized properly	FBC-P 710, FBC-R P3005.4
<b>C.</b>	Proper fall and bedded-in	FBC-P 306.1, FBC-R P2604.1
<b>D.</b>	Sealed completely at septic tank	
<b>F.</b>	Approved piping material	FBC-P Table 702.3, FBC-R Table P3002.2
<b>G.</b>	Proper separation from water service piping	FBC-P 603.2, FBC-R P2904.4.1
<b>H.</b>	Proper test	FBC-P 312.6, FBC-R P2503.4
<b>Water Service:</b> <i>Inspection code # 246</i> <i>Included in the Residential Inspection code # 770</i>		
<b>A.</b>	Sized properly	FBC-P Table 603.1, FBC-R Table P2903.2b
<b>B.</b>	Approved piping material	FBC-P 605.3, FBC-R P2904.5
<b>C.</b>	Proper burial depth (min. 12")	FBC-P 305.6, FBC-R P2603.6
<b>D.</b>	Main shut off valve installed	FBC-P 606.1, FBC-R P2903.9.1
<b>E.</b>	Thermal expansion protection if needed	FBC-P 607.3, FBC-R P2903.4
<b>Final Irrigation:</b> <i>Inspection code # 240</i>		
<b>A.</b>	Approved backflow preventer	FBC-P 608.16.5, FBC-RP P2902.4.3
<b>B.</b>	Rain sensor installed	F.S. Chapter 373.62
<b>C.</b>	Heads installed and complete	
<b>Final Plumbing for Well Pump:</b> <i>Inspection code # 242</i> <i>Included in the Residential Inspection codes # 774,776,792</i>		
<b>A.</b>	Check for proper tank size	FBC-P 612.2
<b>B.</b>	Check for proper pump size	FBC-P Table 612.1
<b>C.</b>	Check-valve installed	FBC-P 612.6
<b>D.</b>	Pressure relief valve installed	FBC-P 612.6
<b>E.</b>	Residential Water System Certification <b>must</b> be on jobsite to ensure proper sizing of equipment being installed.	

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