



## INSPECTION GUIDELINES

### GROUND ROUGH (COMMERCIAL)

### Plumbing

Building permit and approved set of plans	<input type="checkbox"/>
Building permit on the card is the same as on the route	<input type="checkbox"/>
If this is not the first inspection, read inspection records and notes on permit card	<input type="checkbox"/>
Check for Notice of Commencement. FBC 105.8	<input type="checkbox"/>
Check building drain, branches, building sewer for proper sizing, slopes and depth. FBC (P) 704, FBC (P) 704.1, Table 704.1	<input type="checkbox"/>
Check vent for proper sizing. FBC (P) 906, thru, 919	<input type="checkbox"/>
Check piping for proper support/strapping/sleeving/foundation clearances/and backfill material. FBC (P) 305, FBC (P) 306, FBC (P) 308	<input type="checkbox"/>
Check sanitary is tested. FBC (P) 312	<input type="checkbox"/>
Check for approved materials or defective materials. FBC (P) 303	<input type="checkbox"/>
Check for required cleanouts/number/location/distance separation. FBC (P) 708	<input type="checkbox"/>
Check for minimum clearance of 5 feet between water and sewer lines. FBC (P) 703.1	<input type="checkbox"/>
Check that all pipe openings are capped throughout the construction job.	<input type="checkbox"/>
Check for toilet facilities for workers. FBC (B) 311	<input type="checkbox"/>



## INSPECTION GUIDELINES

### ROUGH (COMMERCIAL-1)

### Plumbing

Building permit and approved set of plans	<input type="checkbox"/>
Building permit on the card is the same as on the route	<input type="checkbox"/>
If this is not the first inspection, read inspection records and notes on permit card	<input type="checkbox"/>
Check proper connection/spacing/flanges/floor and wall drainage connections. FBC (P) 405	<input type="checkbox"/>
Check for proper backing/support of wall hung fixtures. FBC (B) 2318.1.15, FBC (B) 2517.5.1.1, FBC (B) 2517.5.1.2, FBC (B) 2517.5.1.3	<input type="checkbox"/>
Check vent termination above roof has minimum horizontal projection of 10 feet from any window, door or air intake. FBC (P) 904.5	<input type="checkbox"/>
Check vent termination above roof of 6 inches minimum. FBC (P) 904.1	<input type="checkbox"/>
Check cleanouts. FBC (P) 708	<input type="checkbox"/>
Check height above fixtures is 6 inches above flood level rim of the highest trap or trapped fixture being vented. FBC (P) 905.5	<input type="checkbox"/>
Check water heater drain pan line/size and termination point. FBC (P) 504.7.2	<input type="checkbox"/>
Check that fire-stopping system complies with approved plans.	<input type="checkbox"/>
Check that approved materials are used. FBC (P) 303	<input type="checkbox"/>
Check for properly sized water. FBC (P) 603, 604	<input type="checkbox"/>
Check for proper test of water. FBC (P) 312	<input type="checkbox"/>
Check that shower pans are approved ASTM-D 4068, ASTM-D 4551, 40-mil material and minimum 900 square inches. FBC (P) 417.5.2.1, 417.5.2.2, 417.4	<input type="checkbox"/>
Check for proper backing, strapping, corrosion and damage protection. FBC (P) 305	<input type="checkbox"/>
Check for proper slope to shower receptors. FBC (P) 417.5.2	<input type="checkbox"/>
Check that shower/tubs are filled with water for test. FBC 312	<input type="checkbox"/>



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### ROUGH (COMMERCIAL)

### Plumbing

Check water heater/other gas appliances with flue, clearance from combustible material. FBC (G) 305.8, FBC (G) 308	<input type="checkbox"/>
Check for anti-scald tub/shower diverters. FBC (P) 424.3	<input type="checkbox"/>
Check water service control valve accessibility/location. FBC (P) 606, FBC (P) 606.3	<input type="checkbox"/>
Check that water service pipe is placed on a solid shelf excavated at one side of the common trench 12 inches minimum above the top of the sanitary sewerline, with a minimum of 10 inches between pipes or conduits. FBC (P) 603.2 see exception	<input type="checkbox"/>
Check for presence of leaks/proper materials have been installed. FBC (P) 605.4, FBC (P) 605.5, Table 605.4 & Table 605.5	<input type="checkbox"/>
Check for required house valve located outside near building wall and at meter. FBC (P) 606.1 (1,2,3,4,5,6,7)	<input type="checkbox"/>
Check for accessibility of all control valves. FBC (P) 606.3	<input type="checkbox"/>
Check for correct sizing of service line. FBC (P) 603	<input type="checkbox"/>
Check for minimum 12-inch cover over top pipe. FBC (P) 305.6	<input type="checkbox"/>
Check that no existing metallic water service piping used for electrical grounding has been replaced with non-metallic pipe or tubing until other ground means are provided. FBC (P) 601.3	<input type="checkbox"/>
Check suction of pump for check valve and test fitting. FBC (P) 612	<input type="checkbox"/>
ACCESSIBILITY	<input type="checkbox"/>
Water-closet clear floor space (18" side wall). FBC (P) 404.3.2	<input type="checkbox"/>
Water-closet flush control location. FBC (P) 404.3.5	<input type="checkbox"/>
Backing for plumbing fixtures and drinking fountains. FBC 2318.1.15 FBC (B) 2517.5.1.1, FBC (B) 2517.5.1.2, FBC (B) 2517.5.1.	<input type="checkbox"/>
Fixture clear floor space. FBC (P) 404	<input type="checkbox"/>



## INSPECTION GUIDELINES

### SEWER (COMMERCIAL)

### Plumbing

Building permit and approved set of plans	<input type="checkbox"/>
Building permit on the card is the same as on the route	<input type="checkbox"/>
If this is not the first inspection, read inspection records and notes on permit card	<input type="checkbox"/>
Check For piping of approved materials. FBC (P) Tables 702.1, 702.2, 702.3, 702.4	<input type="checkbox"/>
Check for approved adapters used between dissimilar materials. FBC (P) 605.24, 705.18 (1) (2) (3) (4) (5) (6) (7)	<input type="checkbox"/>
Check for adequate cleanouts/size/distance separation. FBC (P) 708	<input type="checkbox"/>
Check for water test of building sewer. FBC (P) 312	<input type="checkbox"/>
Check for proper grade of pipes. FBC (P) 704.1, Table 704.1	<input type="checkbox"/>
Check proper angle of repose for all piping installed in trenches excavated below footer/foundation. Verify work is outside of 45-degree angle. FBC (P) 307.5	<input type="checkbox"/>
Check for 5 feet clearance between water and sewer lines. FBC (P) 703.1, 603.2	<input type="checkbox"/>
Check for minimum backfill cover over pipes. FBC (P) 305.6	<input type="checkbox"/>



## INSPECTION GUIDELINES

### FINAL (COMMERCIAL)

### Plumbing

Building permit and approved set of plans	<input type="checkbox"/>
Building permit on the card is the same as on the route	<input type="checkbox"/>
If this is not the first inspection, read inspection records and notes on permit card	<input type="checkbox"/>
Check that number of fixtures installed is what is shown on approved plan and stated on permit. FBC (P) 403.1	<input type="checkbox"/>
Check for approved fixtures, defective material, leaks. FBC (P) 303.1, FBC (P) 303.2, FBC (P) 402.1	<input type="checkbox"/>
Check for water hammer or pipe vibration. FBC (P) 604.9	<input type="checkbox"/>
Check water heater size (gallons), energy efficiency, heat trap, heat recovery, relief valve and line, control valve. FBC (B) 13-412 ABC.4 (1,2,3,4), FBC (P) 504.4, FBC (P) 504.6. Check cleanouts for accessibility/number. FBC (P) 708	<input type="checkbox"/>
Check gas water heater flue is through the roof. FGC 503.6	<input type="checkbox"/>
Check water heater/other appliance meet clearance from combustible materials. FGC 305.8, FGC 308	<input type="checkbox"/>
Check backflow protection. FBC (P) 608.13.1 thru 608.13.9	<input type="checkbox"/>
Check watertight joints. FBC (P) 405.5	<input type="checkbox"/>
Check installation of approved metal collars. FBC (P) 304.4	<input type="checkbox"/>
Check for minimum fixture clearances/including handicapped. FBC (P) 405.3.1	<input type="checkbox"/>
Check for insulation on all heat recovery lines. FBC (P) 607.2, Table 607.1, FBC (B) 13-612.1 ABC5	<input type="checkbox"/>
Check that water meter has been installed by water purveyor. MDWASD	<input type="checkbox"/>
Check that property cleanout has been brought to grade, if installed in driveway check that a cast iron cleanout with brass plug/or installed in protective box with metal cover. MDWASD. FBC (P) 708.4	<input type="checkbox"/>
Check for main control valve just outside meter box and at entry to building. FBC (P) 606.1 (1,2,3,4,5,6,7)	<input type="checkbox"/>
Check for permit by affidavit inspection log/paperwork. FBC 105.14	<input type="checkbox"/>
Check that interior wall and floor surfaces are of non-absorbent material. FBC (B) 1210	<input type="checkbox"/>
Check well pumps and tanks used for private potable water systems. FBC (P) 612	<input type="checkbox"/>



## INSPECTION GUIDELINES

**FINAL (COMMERCIAL)**

**Plumbing**

Check relief line for proper size/material/termination point. FBC (P) 504.6.1	<input type="checkbox"/>
ACCESSIBILITY	<input type="checkbox"/>
Drinking fountain spout height - 36" maximum. FBC (P) 404.2	<input type="checkbox"/>
Drinking fountain clearances. FBC (P) 404.2.5	<input type="checkbox"/>
Water closet height. FBC (P) 404.3.3	<input type="checkbox"/>
Urinal maximum 17" AFF. FBC (P) 404.5.2	<input type="checkbox"/>
Urinal flush valve maximum 44" AFF. FBC (P) 404.5.4	<input type="checkbox"/>
Lavatory maximum/minimum AFF. FBC (P) 404.6.2	<input type="checkbox"/>
Lavatory exposed pipe and surfaces. FBC (P) 404.6.4	<input type="checkbox"/>
Lavatory faucet. FBC (P) 404.6.5	<input type="checkbox"/>
Lavatory clearances. FBC (P) 404.4	<input type="checkbox"/>
Bathtub control valves. FBC (P) 404.7.5	<input type="checkbox"/>
Bathtub shower unit. FBC (P) 404.7.6	<input type="checkbox"/>
Shower stall size and clearance. FBC (P) 404.8.2	<input type="checkbox"/>
Shower seat requirements. FBC (P) 404.8.3	<input type="checkbox"/>
Shower control valves. FBC (P) 404.8.5	<input type="checkbox"/>
Showerhead. FBC (P) 404.8.6	<input type="checkbox"/>
Curb. FBC (P) 404.8.7	<input type="checkbox"/>
Water-closet stall for six or more. FBC (P) 404.9.4	<input type="checkbox"/>
Sinks no higher than 34". FBC (P) 404.11	<input type="checkbox"/>
Sink exposed pipe surfaces. FBC (P) 404.11	<input type="checkbox"/>
Knee clearance. FBC (P) 404.11	<input type="checkbox"/>
Sink depth. FBC (P) 404.11	<input type="checkbox"/>
Sink faucet type. FBC (P) 404.11	<input type="checkbox"/>
Bathroom floor surfaces/grating. FBC (B) 11-4.5	<input type="checkbox"/>
Fixture clear floor space. FBC 404	<input type="checkbox"/>



## INSPECTION GUIDELINES

### PRESSURE TEST (COMMERCIAL)

**Gas**

Building permit and approved set of plans	<input type="checkbox"/>
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If this is not the first inspection, read inspection records and notes on permit card	<input type="checkbox"/>
Check for minimum of 30 pounds per square inch pressure test. FGC 404.16, 406	<input type="checkbox"/>
Check for length of piping section in relation to flow, BTU requirements, compliance with approved plans and sizing. FGC 402	<input type="checkbox"/>
Check all gas piping installed under a slab or in solid floors is installed in a conduit or sleeve, vented and sealed. FGC 404.6	<input type="checkbox"/>
Check for proper clearance, depth of cover, corrosive protection. FGC 404.8, 308, 404.9	<input type="checkbox"/>
Check that approved materials are used. FGC 403	<input type="checkbox"/>
Check that gas appliances in a garage or parking structure complies to FGC 305.4	<input type="checkbox"/>
Check all outlets are capped.	<input type="checkbox"/>
Check that gas shut off valves are accessible. FGC 409.1.3	<input type="checkbox"/>
Check that pipes 4 inches and larger are welded. FGC 403.10.4 (1)	<input type="checkbox"/>
Check that metallic fitting/piping in concealed locations. FGC 403.10.4 (1) (2) (3) (4) (5), 404.3	<input type="checkbox"/>
Check above ground outdoor piping/sleeving. FGC 404.7	<input type="checkbox"/>
Check that pressure gauge reads correctly and is not broken.	<input type="checkbox"/>
Check that non-metallic gas piping has a tracer. FGC 404.14.3	<input type="checkbox"/>



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### FINAL (COMMERCIAL)

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If this is not the first inspection, read inspection records and notes on permit card	<input type="checkbox"/>
Check piping has been bonded by electrician. FGC 309, 310	<input type="checkbox"/>
Check for proper make-up air. FBC (G) 304, 305	<input type="checkbox"/>
Check that gas piping is protected. NFPA 6.7.2.14, 6.8.3.10, 6.8.3.12	<input type="checkbox"/>
Check that gas meters are protected. NFPA 5.7.2.2	<input type="checkbox"/>
Check flue/vent cap. FGC 503.6.3 through 503.6.12	<input type="checkbox"/>
Check required slope of gas vent. FGC 408	<input type="checkbox"/>
Check that no gas valves are in concealed locations. FGC 409.1.2	<input type="checkbox"/>
Check minimum distance from source of ignition. NFPA 58 6.3.10	<input type="checkbox"/>
Check minimum distance required from property lines. NFPA 58 6.3	<input type="checkbox"/>
Check regulator venting. NFPA 54 5.7.5, FGC 410.3	<input type="checkbox"/>
Check that appliances meet clearance requirements from combustibles. FGC 305.8, FGC 308	<input type="checkbox"/>