



Plumbing Top-Out Inspection Checklist

Residential Inspections

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This checklist is provided as a reference tool, and it is not intended to be exhaustive of all possible requirements. Please refer to the latest adopted International Building Code (IBC), International Residential Code (IRC), International Energy Conservation Code (IECC), International Swimming Pool and Spa Code (ISPSA), Uniform Plumbing Code (UPC), Uniform Mechanical Code (UMC), National Electric Code (NEC), Local Amendments (LA), Austin Energy Design Criteria (AE Design), City of Austin Building Criteria Manual (BCM) and City of Austin Land Development Code (LDC) for code sections listed below. Items without a code reference are included for advisory purposes or based on departmental policy.

- International Codes <https://codes.iccsafe.org/public/collections/I-Codes>
- Uniform Codes <http://www.iapmo.org/>
- NEC <https://www.nfpa.org/>
- Local Amendments, AE Design, BCM, LDC <https://library.municode.com/TX/Austin>

Please verify the following before scheduling the inspection:

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- The contractor or person doing the work has reviewed the approved plans and can ensure that the construction being inspected is consistent and ready for inspection.
- Job address is posted in a visible location, and drains are properly sized. *IRC R319.1, UPC Table 703.2*
- Drains, waste and vents (DWV) have been water tested with a 5-foot head for 15 minutes or air tested at 3 pounds per square inch (psi) for 15 minutes. *BCM 5.6.2.7*
- If drain loop method is being used, fittings are of drainage type. *UPC 909.0*
- Island drain serves no other fixture upstream from return vent. *UPC 909.0*
- Island sink cleanout is in vertical section of foot vent. *UPC 909.0*
- Back-to-back fixtures have double fixture fitting. *UPC 704.2*
- Changes in sanitary drainage from vertical to horizontal or horizontal to horizontal enter through 45-degree wye branches. *UPC 706.3, 706.4*
- Double sanitary tees option was used when barrel of stack is 2 pipe sizes larger than inlets for connecting with a vertical stack. *UPC 706.2*
- When plastic or copper plumbing is within 1 inch of face of framing, 18-gauge nail plates are installed. *UPC 312.9*
- Plastic lines are supported every 4 feet and at each horizontal branch connection. *UPC Table 313.3*
- Vertical plastic lines are supported at base and each floor, and mid-story guides are provided. *UPC Table 313.3*
- Waste pipes installed outside or in exterior walls are protected from freezing where necessary. (i.e., P-traps). *UPC 312.6*
- For each trap protected by a vent, the vent system is designed to prevent a trap seal from being exposed to a pressure differential that exceeds 1 inch water column on the outlet side of the trap. *UPC 901.3*
- Unless prevented by structure, the vent rises vertically 6 inches above the floor level rim before continuing to horizontal. *UPC 905.3*
- Takeoffs for vents are above the weir. *UPC 905.5*
- Vent pipe located below flood level of rim is drainage pattern. *UPC 905.3*

- Standpipe receptor is greater than 18 inches and less than 30 inches above trap. *UPC 804.1*
- Shower area is at least 1,024 square inches, with a 30-inch clear diameter to 70 inches from the floor of the shower. *UPC 408.6*
- Slope underlayment (shower pan) is ¼ inch per foot. *UPC 408.7*
- Combustion air meets appliance manufacturer requirements. *UPC 506*
- Temperature pressure relief valve is in place. *UPC 608.5*
- Pressure temperature relief line terminates outside 6 to 24 inches from ground pointing down, is made of approved material, and drains at least ¼ inch per foot with no reductions. *UPC 608.5*
- Bonding required is used if CSST (Corrugated Stainless Steel Tubing) is used as gas piping. *UPC 1211.2*
- Gas system is sized according to UPC Chapter 12, and test is performed on gas rough system. *BCM 5.6.2.2*