Plumbing System Compliance Check:

1)**Water Supply System**

- Compliance with minimum pipe diameter: [3 in] vs. 2 in
- Backflow prevention: [Required], Provided: Yes
- Pass/Fail: Pass

2. **Drainage System**

- Compliance with minimum slope for horizontal drainage pipes: [0.25] vs. 0.2
- Proper venting of drainage systems: Compliant/Non-Compliant
- Pass/Fail: Pass 3)**Vent System**
- Vent pipe sizes and locations meet requirements: [32 mm] vs. 32 mm
- Venting for traps: Properly Vented/Not Vented
- Pass/Fail: Pass

4. **Traps and Interceptors**

- Presence and proper installation of traps at each fixture: Present
- Grease interceptor requirements for applicable fixtures: Compliant
- Pass/Fail: Pass

5. **Fixture Count and Types**

- Compliance with minimum required fixtures for the type of occupancy: [Required Number and Types] vs. Provided Number and Types
- Accessibility of fixtures per ADA standards: Compliant
- Pass/Fail: Pass

6. **Hot Water Supply**

- Adequacy of hot water supply in compliance with IBC: Adequate
- Temperature control mechanisms in place: Not Present
- Pass/Fail: Fail

7. **Building Sewer System**

- Connection to public sewer or private disposal system: Connected
- Compliance with IBC for sewer size and slope: Compliant
- Pass/Fail: Pass

8. **Water Heater Installation**

- Compliance with installation and venting requirements: Compliant
- Temperature and pressure relief valve installation: Installed
- Pass/Fail: Pass 9) **Plumbing Materials and Joints**
- Use of approved materials for pipes and fittings: Approved
- Compliance with joint standards (e.g., soldering, solvent cement): Compliant
- Pass/Fail: Pass

10. **Testing and System Integrity**

- Pressure test for water and drainage systems: Passed
- Leakage or cross-connection issues: Identified
- Pass/Fail: Pass

Summary:

- Overall Plumbing Compliance: [Pass]
- Details/Comments: Temperature control mechanisms should be in place.