



**2018 PHILADELPHIA PLUMBING CODE**  
**PLAN REVIEW CHECKLIST**

**1. Administrative/Supplemental Documents**

- a. Design professional seal on three sets of construction documents:  Provided  Required
- b. Licensed Contractor named:  Provided  Required
- c. Code Used for Design Identified:  Provided  Required
- d. Use and Occupancy Confirmed:  Provided  Required
- e. Number of plumbing fixtures for fee assessment:  Verified Qty: \_\_\_\_\_
- f. Number of water heaters for fee assessment:  Verified Qty \_\_\_\_\_

**2. Pre-Requisite Approvals**

- a. PWD Approved Utility Plan:  Provided  Required  N/A
- b. Streets Department Approval:  Provided  Required  N/A
- c. Historical Commission Approval:  Provided  Required  N/A
- d. PWD Storm Water Management Approval:  Provided  Required  N/A
- e. PWD Backflow Preventer Permit:  Provided  Required  N/A

**3. General Regulations (Chapter 3) \*New construction and alterations\***

- a. Connections to drainage system (301.3)  Yes  No  N/A
- b. Connections to water supply (301.4)  Yes  No  N/A
- e. Piping Support (Table 308.5)  Yes  No  N/A
- f. Penetrations (315)  Yes  No  N/A

**4. Water Heaters (Chapter 5) \*New construction and alterations\***

- a. Thermal expansion control (501.9)  Yes  No  N/A
- b. Required pan (504.7)  Yes  No  N/A
- c. Pan size and drain (504.7.1)  Yes  No  N/A
- d. Pan drain termination (504.7.2)  Yes  No  N/A

**5. Water Supply and Distribution (Chapter 6) \*New construction and alterations\***

- a. Water Required (602)  Yes  No  N/A
- b. Size of water distribution pipe (603.1)  Yes  No  N/A
- c. Separation from building drain (603.2)  Yes  No  N/A
- d. Water supply design criteria (604.3)  Yes  No  N/A
- e. Size of fixture supply (604.5)  Yes  No  N/A



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f. gridded and parallel manifolds (604.10)  Yes  No  N/A

g. Manifold sizing  Yes  No  N/A

**6. Materials Joints Connections (Section 605) \*New construction and alterations\***

a. Water distribution pipe (605.3)  Yes  No  N/A

b. Water supply pipe (605.4)  Yes  No  N/A

c. High rise materials (605.4.1)  Yes  No  N/A

**7. Installation of the Building Water supply System (Section 606) \*New construction and alterations\***

a. Location of full-open valves (606.1)  Yes  No  N/A

b. Location of shutoff valves (606.2)  Yes  No  N/A

c. Water pressure booster system (606.5)  Yes  No  N/A

**8. Hot Water Supply System (Section 607) \*New construction and alterations\***

a. Circulation systems and heat trace systems (607.2.1)  Yes  No  N/A

b. Thermal expansion control (607.3)  Yes  No  N/A

c. Insulation of piping (607.5)  Yes  No  N/A

**9. Protection of Potable Water Supply (Section 608) \*New construction and alterations\***

a. Backflow containment assemblies required (608.1.1)  Yes  No  N/A

b. Installation of backflow containment assemblies (608.1.2)  Yes  No  N/A

g. Backflow protection (608.14)  Yes  No  N/A

**10. Health Care Plumbing (Section 609) \*New construction and alterations\***

a. Water service/ distribution (609.2)  Yes  No  N/A

**11. Temperature Control Devices and Valves (Section 613) \*New construction and alterations\***

a. Temperature actuated mixing valves (613.1)  Yes  No  N/A

**12. Private Water Infrastructure (Section P-614) \*New construction only\***

a. Materials (614.2)  Yes  No  N/A

b. Shut off valves (614.3.1)  Yes  No  N/A

c. Easement required (614.7)  Yes  No  N/A

**13. Sanitary Drainage (Chapter 7) \*New construction and alterations\***

a. Above ground materials. (Table 702.1)  Yes  No  N/A



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- b. Underground building drain material (702.2)  Yes  No  N/A
- c. Building sewer pipe (702.3)  Yes  No  N/A
- d. High-rise material (702.3.1)  Yes  No  N/A
- e. Building sewer material (Table 702.3)  Yes  No  N/A
- f. Chemical waste system (702.6)  Yes  No  N/A

**14. Drainage Piping Installation (Section 704) \*New construction and alterations\***

- a. Slope of horizontal drainage pipe (Table 704.1)  Yes  No  N/A
- b. Connections to offsets and base of stacks (704.3)  Yes  No  N/A
- c. Future fixtures (704.4)  Yes  No  N/A

**15. Joints (Section 705) \*New construction and alterations\***

- a. General (705.1)  Yes  No  N/A

**16. Cleanouts (Section 708) \*New construction and alterations\***

- a. Cleanouts required (708)  Yes  No  N/A

**17. Fixture Units (Section 709) \*New construction only\***

- a. Values for fixtures (Tables 709.2, 709.1)  Yes  No  N/A
- b. Conversion of gpm to dfu values (709.3)  Yes  No  N/A

**18. Drainage System Sizing (710) \*New construction only\***

- a. Maximum fixture unit load (Tables P-710.1(1&2))  Yes  No  N/A
- b. Horizontal stack offsets (710.1.1)  Yes  No  N/A
- c. Vertical stack offsets (710.1.2)  Yes  No  N/A

**19. Offsets in Drainage Piping in Buildings 5 Stories or More (Section 711) \*New construction only\***

- a. Horizontal branch connections above or below
- b. Vertical stacks (711.1)  Yes  No  N/A
- c. Horizontal stack offsets (711.2)  Yes  No  N/A

**20. Sumps and Ejectors (Section 712) \*New construction and alterations\***

- a. Building sub drains (712.1)  Yes  No  N/A
- b. Valves required (712.2)  Yes  No  N/A
- c. Sewage pumps and sewage ejectors (712.4)  Yes  No  N/A



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d. Macerating toilet systems (712.4.1)  Yes  No  N/A

**21. Backwater Valves (Section 714) \*New construction and alterations\***

a. Sewage backflow (714.1)  Yes  No  N/A

**22. Private Sanitary Sewer Infrastructure (Section P-717) \*New construction only\***

a. Materials (P-717.2)  Yes  No  N/A

b. Slope (P-717.3)  Yes  No  N/A

c. Connections (P-717.4)  Yes  No  N/A

d. Cleanouts (P-717.8)  Yes  No  N/A

e. Sewage backflow (P-717.10)  Yes  No  N/A

f. Easement (P-717.11)  Yes  No  N/A

**23. Indirect Waste (Chapter 8) \*New construction and alterations\***

a. Required (802.1)  Yes  No  N/A

b. Hub drains and floor sinks (P-802.4.2)  Yes  No  N/A

**24. Special Waste (Section 803) \*New construction and alterations\***

a. Neutralizing required (P-803.1)  Yes  No  N/A

**25. Vents (Chapter 9) \*New construction and alterations\***

a. Trap seal protection (901.2)  Yes  No  N/A

b. Venting required (901.2.1)  Yes  No  N/A

c. Chemical waste vent system (P-901.3)  Yes  No  N/A

**26. Vent Terminals (Section 903) \*New construction and alterations\***

a. Roof extension (903.1)  Yes  No  N/A

b. Location of vent terminal (903.5)  Yes  No  N/A

**27. Vent Connections and Grades (Section 905) \*New construction and alterations\***

a. Vertical rise of vent (905.4)  Yes  No  N/A

b. Height above fixtures (905.5)  Yes  No  N/A

**28. Vent Pipe Sizing (Section 906) \*New construction only\***

a. Size of stack vents and vent stacks (Table 906.1)  Yes  No  N/A

**29. Vents for Stack Offsets (Section 907) \*New construction only\***



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a. Vent for Horizontal offset of drainage stack (907.2)     Yes     No     N/A

**30. Relief Vents-Stacks of More than 10 Branch Intervals (Section 908) \*New construction only\***

a. Where required (908.1)     Yes     No     N/A

**31. Fixture Vents (Section 909) \*New construction only\***

a. Distance of trap from vent (Table 909.1)     Yes     No     N/A

**32. Common Vent (Section 911) \*New construction only\***

a. Individual vent as a common vent (911.1)     Yes     No     N/A

b. Connections at different levels (911.3, Table 911.3)     Yes     No     N/A

**33. Wet Venting (Section 912) \*New construction only\***

a. Horizontal wet vent permitted (912.1)     Yes     No     N/A

b. Vertical wet vent permitted (912.1.1)     Yes     No     N/A

c. Dry Vent Connection (912.2)     Yes     No     N/A

d. Size (912.3, Table 912.3)     Yes     No     N/A

**34. Waste Stack Vent (Section 913) \*New construction only\***

a. Waste stack vent permitted (913.1)     Yes     No     N/A

b. Waste stack vent size (913.4, Table 913.4)     Yes     No     N/A

**35. Circuit Venting (Section 914) \*New construction only\***

a. Circuit vent permitted (914.1)     Yes     No     N/A

b. Vent connection (914.2)     Yes     No     N/A

c. Relief vent (914.4)     Yes     No     N/A

**36. Combination Waste and Vent System (Section 915) \*New construction only\***

a. Type of fixtures (915.1 N)     Yes     No     N/A

b. Size and length of vent (915.2.2, Table 915.2.2)     Yes     No     N/A

**37. Island Fixture Vent (Section 916) \*New construction and alterations\***

a. Limitation (916.1)     Yes     No     N/A

b. Vent connection (916.2)     Yes     No     N/A

**38. Single Stack System (Section 917) \*New construction only\***

a. Single stack vent system permitted (917.1)     Yes     No     N/A



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- b. Stack size (917.2, Table 917.2)  Yes  No  N/A
- c. Length of horizontal branches (917.4)  Yes  No  N/A
- d. Fixture connections (917.4.2)  Yes  No  N/A
- e. Minimum vertical piping size from fixtures (917.5)  Yes  No  N/A
- f. Stack offsets (917.7)  Yes  No  N/A

**39. Philadelphia single stack waste and vent system (P-919) \*New construction and alterations\***

- a. Drainage system sizing (P-919.2)  Yes  No  N/A
- b. Soil stack size (P-919.2.5)  Yes  No  N/A
- c. Horizontal branch size (P-919.2.6)  Yes  No  N/A
- d. Building drain/building sewer size (P-919.2.7)  Yes  No  N/A
- e. High rise buildings (P-919.2.10)  Yes  No  N/A
- f. Vent required (P-919.4.1)  Yes  No  N/A
- g. Ventilation of branch or horizontal pipes (P-919.5)  Yes  No  N/A
- h. Fixture venting (P-919.6)  Yes  No  N/A

**40. Traps, Interceptors and Separators (Chapter 10) \*New construction and alterations\***

- a. Prohibited traps (1002.3)  Yes  No  N/A
- b. Trap seal protection (1002.4)  Yes  No  N/A
- c. Building traps and fresh air inlets (P-1002.6)  Yes  No  N/A
- d. Relief vent (P-1002.6.3)  Yes  No  N/A

**41. Interceptors and Separators (Section 1003) \*New construction and alterations\***

- a. Where required (1003.1)  Yes  No  N/A
- b. Grease interceptors (1003.3)  Yes  No  N/A
- c. Oil interceptors required (1003.4)  Yes  No  N/A
- d. Garages and service stations (1003.4.2.2)  Yes  No  N/A
- e. Sand interceptors in commercial establishments. (1003.5)  Yes  No  N/A
- f. Clothes washer discharge interceptor (1003.6)  Yes  No  N/A
- g. Hair interceptor (P-1003.11)  Yes  No  N/A
- h. Plaster interceptor (P-1003.12)  Yes  No  N/A



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**42. Storm Drainage (Chapter 11) \*New construction and alterations\***

- a. Disposal (P-1101.2)  Yes  No  N/A
- b. Area drain (P-1101.2.1)  Yes  No  N/A

**43. Materials (Section 1102) \*New construction and alterations\***

- a. General (1102.1)  Yes  No  N/A
- b. Inside storm drainage conductors (1102.2)  Yes  No  N/A
- c. Underground building storm drain pipe (1102.3)  Yes  No  N/A
- d. Building storm sewer pipe (1102.4, Table 1102.4)  Yes  No  N/A

**44. Traps (Section 1103) \*New construction and alterations\***

- a. Main trap (P-1103.1)  Yes  No  N/A
- b. Cleanout. (P-1103.4)  Yes  No  N/A

**45. Size of conductors and Storm Drains. \*New construction and alterations\***

- a. General (1106.1)  Yes  No  N/A
- b. Size of storm drain piping (1106.2, Table 1106.2)  Yes  No  N/A
- c. Vertical leader sizing (1106.3, Table 1106.3)  Yes  No  N/A

**46. Secondary (Emergency) Roof Drains (Section 1108) \*New construction and alterations\***

- a. Separate systems required (1108.1)  Yes  No  N/A

**47. Combined Sanitary and Storm Public Sewer (Section 1109) \*Alterations only\***

- a. General (P-1109.1)
- b. Sizing existing combined storm and sanitary drains  Yes  No  N/A  
(P-1109.3)

**48. Green Roof Drainage Systems (Section P-1114) \*New construction and alterations\***

- a. Green roof design (P-1114.2)  Yes  No  N/A
- b. Green roof drains (P-1114.3)  Yes  No  N/A

**49. Private Sewer Infrastructure (P-1115) \*New construction only\***

- a. Materials (P-1115.2)  Yes  No  N/A
- b. Access for repairs (P-1115.6)  Yes  No  N/A
- d. Easement required (P-1115.11)  Yes  No  N/A