



2018 PHILADELPHIA PLUMBING CODE
PLAN REVIEW CHECKLIST

1. 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

2. 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

3. 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
- f. gridded and parallel manifolds (604.10) Yes No N/A
- g. Manifold sizing Yes No N/A

4. 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

5. 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



2018 PHILADELPHIA PLUMBING CODE
PLAN REVIEW CHECKLIST

6. 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

7. 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

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

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

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

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

10. 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

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

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

12. 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

13. Joints (Section 705) *New construction and alterations*



2018 PHILADELPHIA PLUMBING CODE
PLAN REVIEW CHECKLIST

a. General (705.1) Yes No N/A

14. Cleanouts (Section 708) *New construction and alterations*

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

15. 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

16. 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

17. 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

18. 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

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

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

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

20. 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



2018 PHILADELPHIA PLUMBING CODE
PLAN REVIEW CHECKLIST

21. 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

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

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

23. 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

24. 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

25. 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

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

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

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

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

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

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

29. Fixture Vents (Section 909) *New construction only*

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

30. 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

31. Wet Venting (Section 912) *New construction only*

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



2018 PHILADELPHIA PLUMBING CODE
PLAN REVIEW CHECKLIST

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

32. 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

33. 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

34. 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

35. 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

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

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

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

37. 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



2018 PHILADELPHIA PLUMBING CODE
PLAN REVIEW CHECKLIST

- 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

38. 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

39. 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

40. 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

41. 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

42. Traps (Section 1103) *New construction and alterations*

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



2018 PHILADELPHIA PLUMBING CODE
PLAN REVIEW CHECKLIST

b. Cleanout. (P-1103.4) Yes No N/A

43. 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

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

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

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

a. General (P-1109.1)

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

46. 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

47. 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