GRAPHICAL SYMBOLS FOR DRAWINGS[6]

GRAPHICAL SYMBOLS FOR DRAWINGS — *Piping*

HEATING

1. High Pressure Steam
2. Medium Pressure Steam
3. Low Pressure Steam
4. High Pressure Return
5. Medium Pressure Return
6. Low Pressure Return
7. Boiler Blow Off
8. Condensate or Vacuum Pump Discharge
9. Feedwater Pump Discharge
10. Make Up Water
11. Air Relief Line
12. Fuel Oil Flow
13. Fuel Oil Return
14. Fuel Oil Tank Vent
15. Compressed Air
16. Hot Water Heating Supply
17. Hot Water Heating Return

AIR CONDITIONING

18. Refrigerant Discharge
19. Refrigerant Suction
20. Condenser Water Flow
21. Condenser Water Return
22. Circulating Chilled or Hot Water Flow
23. Circulating Chilled or Hot Water Return
24. Make Up Water
25. Humidification Line
26. Drain
27. Brine Supply
28. Brine Return

PLUMBING

29. Soil, Waste or Leader (Above Grade)
30. Soil, Waste or Leader (Below Grade)
31. Vent
32. Cold Water
33. Hot Water
34. Hot Water Return
35. Fire Line
36. Gas
37. Acid Waste
38. Drinking Water Flow
39. Drinking Water Return
40. Vacuum Cleaning
41. Compressed Air

SPRINKLERS

42. Main Supplies
43. Branch and Head
44. Drain

[6]Graphical Symbols for Use on Drawings in Mechanical Engineering, Z32.2-1941 (*American Standards Association*).

GRAPHICAL SYMBOLS FOR DRAWINGS — *Ductwork*

45. Duct (1st Figure, Width; 2nd, Depth) — 12 × 20
46. Direction of Flow
47. Inclined Drop in Respect to Air Flow — D
48. Inclined Rise in Respect to Air Flow — R
49. Supply Duct Section — S — 12 × 20
50. Exhaust Duct Section — E — 12 × 20
51. Recirculation Duct Section — R — 12 × 20
52. Fresh Air Duct Section — F A — 12 × 20
53. Other Duct Sections — K E — (Label) Kitchen Exh.
54. Register — R
55. Grille — G
56. Supply Outlet
57. Exhaust Inlet
58. Top Register or Grille — TR 20 × 12 – 700 cfm; TG 20 × 12 – 700 cfm
59. Center Register or Grille — CR 20 × 12 – 700 cfm; CG 20 × 12 – 700 cfm
60. Bottom Register or Grille — BR 20 × 12 – 700 cfm; BG 20 × 12 – 700 cfm
61. Top and Bottom Register or Grille — T&BR 20 × 12 – ea. 700 cfm; T&BG 20 × 12 – ea. 700 cfm
62. Ceiling Register or Grille — CR 20 × 12 – 700 cfm; CG 20 × 12 – 700 cfm
63. Louver Opening — L 20 × 12 – 700 cfm
64. Adjustable Plaque — P-20 × 12-700 cfm; P-20"ϕ-700 cfm