

Table 1 .... Codes and Standards—(Continued)

| Subject                     | Title                                                                                                                                                                                               | Sponsor              | Reference                                |
|-----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|------------------------------------------|
| Boilers                     | Underwriters' Laboratories, Inc., Standard for Oil-Fired Boilers. I=B=R Testing and Rating Code for Low Pressure Cast Iron Heating Boilers, 7th Edition, 1964.                                      | UL<br>IBR            | UL 726<br>IBR                            |
|                             | Net Load Recommendations for Heating Boilers. Publ. semi-annually.                                                                                                                                  | MCAA                 | MCAA                                     |
|                             | ASME Boiler and Pressure Vessel Code (1962, 6 Sections).                                                                                                                                            | ASME                 | ASME                                     |
|                             | ASME Boiler and Pressure Vessel Code, Section IV, Low Pressure Heating Boilers (1962).                                                                                                              | ASME                 | ASME                                     |
| Boilers (Gas)               | American Standard Approval Requirements for Central Heating Gas Appliances Vol. 1, Steam and Hot Water Boilers (1961 with addenda for 1962).                                                        | A.G.A.               | ASA<br>Z21.13.1-1961                     |
| Boilers (Packaged Firetube) | Standard Test Procedure for Packaged Firetube Boilers (1959).                                                                                                                                       | ABAI                 | ABAI                                     |
| Boilers (Power)             | ASME Boiler and Pressure Vessel Code, Section I, Power Boilers (1962).                                                                                                                              | ASME                 | ASME                                     |
| Boilers (Steel)             | ASME Boiler and Pressure Vessel Code, Section VII, Suggested Rules for Care of Power Boilers (1962).                                                                                                | ASME                 | ASME                                     |
|                             | SBI Testing and Rating Code for Steel Boilers, 9th Edition, (1963)-SBI Div. of I=B=R.                                                                                                               | SBI                  | SBI                                      |
|                             | Simplified Practice Recommendation for Steel Firebox Boilers and Steel Heating Boilers (Commercial and Residential Types) (1950) SBI Div. of I=B=R.                                                 | BS<br>SBI            | OCS<br>R157-50                           |
|                             | American Standard Building Code Requirements for Light and Ventilation (1946).                                                                                                                      | NHA<br>USPHS<br>BOCA | ASA<br>A53.1-1946<br>BOCA                |
| Building Requirements       | Basic Building Code (Also published in abridged form as Abridged Building Code) 3rd Edition with Addenda for 1964. National Building Code (1955 Edition with Addenda, for Dec. 1957 and Jan. 1963). | NBFU                 | NBFU                                     |
| Buildings                   | Commercial Standard for Domestic Burners for Pennsylvania Anthracite (Underfeed Type) (1940).                                                                                                       | BS<br>AIL            | OCS<br>CS48-40                           |
| Burners (Anthracite)        | American Standard Requirements for Installation of Domestic Gas Conversion Burners (1958).                                                                                                          | A.G.A.               | ASA<br>Z21.3-1958                        |
| Burners (Gas)               | American Standard Requirements for Installation of Gas Burning Equipment in Large Boilers (1950). Reaffirmed 1956.                                                                                  | A.G.A.               | ASA<br>Z21.33-1950                       |
| Burners (Oil)               | American Standard Listing Requirements for Domestic Gas Conversion Burners (1962).                                                                                                                  | A.G.A.               | ASA<br>Z21.17-1962                       |
|                             | Commercial Standard for Mechanical-Draft Oil Burners Designed for Domestic Installations (1956).                                                                                                    | BS                   | OCS<br>C875-56                           |
|                             | Underwriters' Laboratories, Inc., Standard for Oil Burners. Standard for the Installation of Oil Burning Equipment (1964).                                                                          | OBI<br>UL            | UL 296                                   |
|                             |                                                                                                                                                                                                     | NFPA                 | NFPA or NBFU<br>No. 31                   |
| Burners (Pulverized Fuel)   | Standard for the Installation and Operation of Pulverized Fuel Systems (1961).                                                                                                                      | NFPA                 | ASA Z95.1-1963<br>NFPA or NBFU<br>No. 60 |
| Capillary Tubes             | ASHRAE Standard Method for Testing Capillary Tubes (1957).                                                                                                                                          | ASHRAE               | ASHRAE<br>Standard 28-57                 |
| Chillers                    | ASHRAE Standard Methods of Testing for Rating Liquid Chilling Packages.                                                                                                                             | ASHRAE               | ASHRAE<br>Standard 30-60                 |
| Chillers (Centrifugal)      | Standard for Refrigerant Cooled, Liquid Coolers, Remote Type.                                                                                                                                       | ARI                  | ARI<br>Standard 480-61                   |
|                             | Standard for Centrifugal Liquid-Chilling Packages.                                                                                                                                                  | ARI                  | ARI<br>Standard 550-59                   |
| Chillers (Reciprocating)    | Standard for Application and Ratings of Centrifugal Liquid-Chilling Packages.                                                                                                                       | ARI                  | ARI<br>Standard 555-63                   |
|                             | Standard for Reciprocating Water-Chilling Packages.                                                                                                                                                 | ARI                  | ARI<br>Standard 590-62                   |
| Chimneys                    | Standard for Chimneys, Fireplaces, and Venting Systems (1964).                                                                                                                                      | NFPA                 | NFPA No. 211                             |
| Chimneys (Flue Linings)     | American Standard Sizes of Clay Flue Linings (1947).                                                                                                                                                | AIA<br>PC            | ASA<br>A82.4-1947                        |
| Cleaners (Air)              | Code for Testing Air Cleaning Devices Used in General Ventilation: Section I, Unit or Panel Type Air Filtering Devices (1953).                                                                      | AFI                  | AFI                                      |
| Coils                       | AFI Dust Spot Test Code (1960).                                                                                                                                                                     | AFI                  | AFI                                      |
|                             | Standard for Forced-Circulation Air-Cooling and Air-Heating Coils.                                                                                                                                  | ARI                  | Standard 410-64                          |
| Color Scheme (Piping)       | ASHRAE Standard Methods of Testing for Rating Forced-Circulation Air Cooling and Air Heating Coils.                                                                                                 | ASHRAE               | ASHRAE<br>Standard 33-64                 |
|                             | Scheme for Identification of Piping Systems (1950).                                                                                                                                                 | MCAA                 | MCAA<br>Eng Std Part V                   |
| Compressors                 | Scheme for Identification of Piping Systems (1956).                                                                                                                                                 | ASME                 | ASA<br>A13.1-1956                        |
|                             | ASHRAE Standard Methods of Testing for Rating Refrigerant Compressors.                                                                                                                              | ASHRAE               | ASHRAE<br>Standard 23-59                 |
| Compressors (Reciprocating) | Standard for Ammonia Compressors and Compressor Units.                                                                                                                                              | ARI                  | ARI<br>Standard 511-60                   |
|                             | Standard for Open-Type Refrigerant Compressors and Condensing Units, 20 Horsepower and Smaller.                                                                                                     | ARI                  | ARI<br>Standard 514-62                   |
|                             | Standard for Sealed Refrigerant Compressors and Condensing Units, 20 Horsepower and Smaller.                                                                                                        | ARI                  | ARI<br>Standard 515-60                   |

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| Subject                           | Title                                                                                                                    | Sponsor               | Reference                |
|-----------------------------------|--------------------------------------------------------------------------------------------------------------------------|-----------------------|--------------------------|
| Condensers                        | Standard for Refrigerant 12 and Refrigerant 22 Compressors and Condensing Units, 25 Horsepower and Larger.               | ARI                   | ARI<br>Standard 516-60   |
|                                   | Standard for Water-Cooled Refrigerant Condensers.                                                                        | ARI                   | ARI<br>Standard 450-61   |
|                                   | ASHRAE Standard Methods of Testing for Rating Remote Mechanical Draft Air-Cooled and Evaporative Condensers.             | ASHRAE                | ASHRAE<br>Standard 20-60 |
|                                   | ASHRAE Standard Methods of Testing for Rating Water-Cooled Refrigerant Condensers.                                       | ASHRAE                | ASHRAE<br>Standard 22-61 |
| Condensing Units                  | ASHRAE Standard Methods of Testing for Rating Mechanical Condensing Units (1959).                                        | ASHRAE                | ASHRAE<br>Standard 14-59 |
| Conductance                       | Method of Test for Thermal Conductance and Transmittance of Built-up Sections by Means of Guarded Hot Box.               | ASTM                  | ASTM<br>C 236-60         |
| Conductivity                      | Standard Method of Test for Thermal Conductivity of Materials by Means of the Guarded Hot Plate.                         | ASHVE<br>ASRE<br>ASTM | ASTM<br>C-177-63         |
| Controls                          | Method of Test for Thermal Conductivity of Pipe Insulation.                                                              | ASTM                  | ASTM<br>C 335-64-T       |
|                                   | Method of Test for Thermal Conductivity of Insulating Materials at Low Temperatures by Means of the Wilkes Calorimeter.  | ASTM                  | ASTM<br>C 420-62-T       |
|                                   | Method of Test for Thermal Conductivity of Materials by Means of the Heat Flow Meter.                                    | ASTM                  | ASTM<br>C 518-63-T       |
|                                   | Underwriters' Laboratories, Inc., Standard for Temperature Indicating and Regulating Equipment (1958).                   | UL                    | UL 873                   |
| Controls, Automatic Temperature   | General Standards.                                                                                                       | NEMA                  | NEMA<br>DC 1-1964        |
| Controls, Automatic Temperature   | Quick Connect Terminals.                                                                                                 | NEMA                  | NEMA<br>DC 2-1959        |
|                                   | Room Thermostats.                                                                                                        | NEMA                  | NEMA<br>DC 3-1964        |
|                                   | Dial Arrangement of Warm Air Limit and Fan Controls.                                                                     | NEMA                  | NEMA<br>DC 4-1959        |
|                                   | Surface-type Electric Water Heater Controls.                                                                             | NEMA                  | NEMA<br>DC 5-1962        |
| Controls, Temperature             | Refrigeration Controls.                                                                                                  | NEMA                  | NEMA<br>DC 7-1960        |
|                                   | Automatic Gas Valves.                                                                                                    | NEMA                  | NEMA<br>DC 8-1964        |
|                                   | Oil Burner Primary Controls.                                                                                             | NEMA                  | NEMA<br>DC 9-1960        |
|                                   | Temperature Limit Controls for Electric Baseboard Heaters.                                                               | NEMA                  | NEMA<br>DC 10-1964       |
| Convectors                        | Control Panels for Air Conditioners.                                                                                     | NEMA                  | NEMA<br>DC 11-1962       |
|                                   | Hot Water Immersion Controls.                                                                                            | NEMA                  | NEMA<br>DC 12-1963       |
|                                   | Integrally Mounted Thermostats for Electric Heaters.                                                                     | NEMA                  | NEMA<br>DC 13-1964       |
|                                   | Integrally Mounted Thermostats for Room Air Conditioners.                                                                | NEMA                  | NEMA<br>DC 14-1964       |
| Cooling Equipment                 | Temperature Control Equipment, Automatic, Airplane Cabin (1956).                                                         | SAE                   | SAE<br>ARP 89B           |
| Coolers (Air)                     | Commercial Standard for Testing and Rating Convectors (1947).                                                            | BS<br>CMA<br>IBR      | OCS<br>CS 140-47         |
| Coolers (Bottled Beverage)        | Standard for the Ventilation of Restaurant Cooking Equipment (1964).                                                     | NFPA                  | NFPA or NBFU<br>No. 96   |
| Coolers (Drinking Water)          | ASHRAE Standard Method of Rating Air Coolers for Refrigeration (1956).                                                   | ASHRAE                | ASHRAE<br>Standard 25-56 |
| Coolers (Liquid)                  | Forced-Circulation Free-Delivery Air Coolers for Refrigeration.                                                          | ARI                   | ARI<br>Standard 420-57   |
|                                   | ASHRAE Standard Methods of Rating and Testing Bottled Beverage Coolers.                                                  | ASHRAE                | ASHRAE<br>Standard 32-57 |
| Cooling Towers                    | ASHRAE Standard Methods of Testing for Rating Drinking Water Coolers with Self-Contained Mechanical Refrigeration Units. | ASHRAE                | ASHRAE<br>Standard 18-62 |
| Cooling Towers (Mechanical Draft) | Underwriters' Laboratories, Inc., Standard for Drinking Water Coolers.                                                   | UL                    | UL 399                   |
| Cooling Towers                    | ASHRAE Standard Methods of Testing for Rating Liquid Coolers.                                                            | ASHRAE                | ASHRAE<br>Standard 24-61 |
|                                   | Atmospheric Water Cooling Equipment Test Code (1958).                                                                    | ASME                  | ASME<br>PTC 23-1958      |
| Cooling Towers (Mechanical Draft) | Accepted Test Procedure for Water Cooling Towers, Mechanical Draft Industrial Type (1959).                               | CTI                   | Bulletin ATP-105         |
|                                   | Method of Testing for Rating Mechanical Draft Cooling Towers Under Controlled Conditions.                                | ASHRAE                | ASHRAE<br>Standard 38-57 |
| Cooling Towers                    | Standard for Mechanical Draft Cooling Towers.                                                                            | ARI                   | ARI<br>Standard 910-58   |