

of the feed water, with a float-controlled city water make-up to the tank. Such a hook-up is recommended as more simple and less likely to cause trouble than where the automatic water feeders serve merely as auxiliaries.

6. In order that no misunderstanding may occur, the specifications for all heating systems or plants shall include a clause covering the following points:

a. The lowest recorded outside temperature in the locality, as reported by the U.S. Weather Bureau for the preceding 10 years.

b. The outside air and inside breathing-line temperatures which were assumed and actually used in making the heat-loss computations.

c. The heating load should be calculated on a temperature not more than 15 F above the minimum outside temperature recorded for the locality for the preceding 10 years and at a wind velocity which is the highest recorded in the locality for such temperature (i.e., for a temperature 15 F above the minimum) for the locality in which the heating plant is located. Both wind velocity and direction are to be taken from the U. S. Weather Bureau records of 10 years. (See Chapter 5).

REFERENCES

- Specifications for Heating and Ventilating*, by S. R. Lewis (Heating, Piping and Air Conditioning, March and May, 1930).
- Mechanical Equipment of Buildings*, by Harding and Willard, Vol. I, 2nd Edition, 1929, Chapter XXII.
- General Conditions of the Contract for Construction of Buildings*, issued by the American Institute of Architects.
- Publications of the American Specification Institute.

Chapter 35

CODES AND STANDARDS

THE following codes and standards relating to the design, installation, testing, rating and maintenance of materials and equipment used for the heating and ventilation of buildings, have been adopted by the AMERICAN SOCIETY OF HEATING AND VENTILATING ENGINEERS:

SUBJECT	TITLE	WHEN ADOPTED	REFERENCE
Air purity	Synthetic Air Chart	June, 1917	A.S.H.V.E. TRANSACTIONS, Vol. 23, p. 607
Boilers (testing)	Standard and Short-Form Heat Balance Codes for Testing Low Pressure Steam Heating Solid Fuel Boilers (Codes 1 and 2)	June, 1929	Available in reprint form
Boilers (testing)	Performance Test Code for Steam Heating Solid Fuel Boilers (Code 3) ^a	June, 1929	A.S.H.V.E. JOURNAL, (Heating, Piping & Air Conditioning), August, 1929
Boilers (rating)	Code for Rating Steam Heating Solid Fuel Hand Fired Boilers	April, 1930	A.S.H.V.E. JOURNAL, (Heating, Piping & Air Conditioning), March, 1930
Ethics	Code of Ethics for Engineers	January, 1922	A.S.H.V.E. TRANSACTIONS, Vol. 28, 1922, p. 6 (See also p. xiv GUIDE, 1931)
Fans	Standard Code for the Testing of Centrifugal and Disc Fans	May, 1923	A.S.H.V.E. TRANSACTIONS, Vol. 29, 1923, p. 407
Garages	Code for Heating and Ventilating Garages	June, 1929	A.S.H.V.E. JOURNAL, May, 1929, p. 63
Heat transmission through walls	Standard Test Code for Heat Transmission through Walls	January, 1925	A.S.H.V.E. TRANSACTIONS, Vol. 34, 1928
Minimum requirements	Code of Minimum Requirements for Heating and Ventilation of Buildings, Edition-1929	June, 1925	A.S.H.V.E. Codes

^aOriginally adopted by the National Boiler and Radiator Manufacturers Association.