

Contract Drawings

- List of contract drawings.

Symbols

- List of symbols.

Scope of Work

- 1. Work included in contract.
- 2. Work by others.

Substitution

- 1. Not to be made after contract is signed.
- 2. Substitution must be offered five (5) days before bids, with full description and any difference in price; all other bidders to be allowed to bid on such substitution.

Testing and Trial Operation

- 1. Testing and adjusting.
- 2. Trial operation; number of days.
- 3. Instructions for operating.

Temporary Heat

- 1. Making available for temporary heating purposes any and all parts of the equipment installed, or which should have been installed at the time such heat is required, without extra cost.
- 2. Setting, connecting, disconnecting and reconditioning radiation for temporary heat as directed and cost per radiator for this work.
- 3. By whom fuel is to be furnished.
- 4. Terms under which contractors shall furnish labor to operate, with option for owners to operate.
- 5. Contractor to assume all responsibility for system while being used for temporary heat.

GENERAL DESCRIPTION OF AND SPECIFICATIONS FOR THE WORK

General Description

- 1. Method of heating building.
- 2. Method of ventilating building.
- 3. Control for heating and ventilation.
- 4. Water heating equipment.
- 5. High-pressure steam, low-pressure steam, feed water, service water, fire protection, refrigerating, compressed air, drip and drain piping systems.
- 6. Provisions for future extensions.
- 7. Are pipes to be concealed or exposed?

Boilers

- 1. Number.
- 2. Size.
- 3. Foundations.
- 4. Encasement.
- 5. Kind of fuel—grates, stokers, oil burners, gas burners.
- 6. Controlling and observing instruments and equipment; damper regulator.
- 7. Trimmings—safety valves, blow-off valves, water columns, gages, etc.
- 8. Firing and cleaning tools, soot blowers, brushes.
- 9. Test and insurance.
- 10. Working pressure.
- 11. Connections—water, gas, oil, blow-off, electric, etc.

Smoke Breeching

- 1. Gage of steel.
- 2. Cleanout doors.
- 3. Dampers.
- 4. Supports and provision for carrying insulation.

Chimney

- 1. Size and height.
- 2. Lining.

Fuel Storage and Handling

- Coal truck, conveyors, oil tank, gages, etc.

Ash Storage and Handling

- 1. Ash cans, truck, etc.
- 2. Ash conveyor, elevator, hatches, etc.

Blow-off Tank

- 1. Size and construction.
- 2. Connections to sewer, cooling arrangements, etc.

Hot Water Generating Apparatus

- 1. Capacity in gallons and size of tanks.
- 2. Kind and capacity of heating surface.
- 3. Supports.
- 4. Thermometers, temperature controls and relief valves.
- 5. Coal, gas, steam, inserted coil, attached circulator, etc.
- 6. Relief and safety provisions.

Pumps

- 1. Function.
- 2. Number, size, motive power.
- 3. Trimmings, gages, valves, etc.
- 4. Connections.

Tanks

- 1. Function.
- 2. Number, size, supports.
- 3. Trimmings, gages, valves, etc.
- 4. Connections.

Pipe, Fittings, Etc.

- 1. Kinds and weight of pipe and nipples.
- 2. Kinds of fittings and working pressure.
- 3. Expansion and contraction and anchoring arrangements.
- 4. Thimbles, sleeves and plates.
- 5. Supports.

Valves

- 1. Kind and working pressure with schedule.
- 2. Special valves, such as pressure regulating, remote control, automatic stop and non-return.
- 3. Operating devices, such as extension handles and chains.
- 4. By-pass provisions.