

3. ACCEPTABLE MANUFACTURERS 22 00 10

Standard of Material & Equipment:

1. Where a Manufacturer's name is mentioned, it is for the purpose of setting a standard of quality, performance, capacity, appearance and serviceability. Acceptable manufacturers shown below are pre-approved if their products are equal in performance to the specified ones, and the products can be used in the preparation of the Bid. Where no alternatives have been approved, provide the exact make specified. Requests for approval of alternatives must be submitted to the Contract Administrator as per front end Specifications. Approval as an alternative does not absolve the supplier and Contractor of the obligation to meet all clauses of this specification.

Description:

1. Plumbing and Drainage Approved List

<u>Equipment</u>	<u>Acceptable Manufacturers</u>
Hangers and Supports	Crane, Grinnell, Myatt
Roof Supports	C-Port, Miroind
Drainage Specialties	Ancon, Smith, Zurn, Mifab, Watts
Shock Absorbers	Ancon, Smith, Zurn, PPP, Watts
Gauges and Thermometers (swivel)	Dresser, Trerice, Weiss, Dwyer
Hose Bibbs	Crane, Watts, Smith, Mifab
Plumbing Fixtures	Kohler, Toto, Crane, Sloan, Franke Commercial, Contrac
Plumbing Brass	Kohler, Delta Commercial, Zurn, Moen, Toto, Sloan, Franke Commercial
Thermostatic Mixing Valves	Powers, Leonard, Lawler, Sloan
Stainless Steel Sinks	Franke, Elkay, AMI, Aristaline, Acorn
Mop Sinks	American Standard, Fiat, Stern Williams
Wash Fountains	Bradley, Fiat
Grinder Sewage Pumps	Barnes, Beatty, Myers, Hydromatic, Liberty
Toilet Seats	Olsonite, Beneke, Centoco
Recirculation Pumps	Armstrong, Bell & Gossett, ITT, Wilo
Domestic Hot Water Heaters	RHEEM, State, A.O. Smith, Bradford White
Backflow Preventer	Watts, Febco, Wilkins

2. Heat Transfer Approved List

<u>Equipment</u>	<u>Acceptable Manufacturers</u>
Hangers	Crane, Grinnell, Myatt
Valves	Crane, Toyo, Grinnell, Jenkins, Neuman Hattersley, Kitz, Keystone, Dahl
Expansion Joints and Guides	Flexonics, Fulton
Air Vents (Manual)	Maid-O-Mist, Hoffman, Brauhkmann
Air Vents (Automatic)	Caleffi, Bell & Gossett, Armstrong
Hydraulic Separators	Caleffi, Bell & Gossett
Differential Pressure Valves	Spencer, Caleffi
Air Separators	Caleffi, Bell & Gossett, Armstrong
Pressure Gauges & Thermometers	H.O. Trerice, Weiss, Dresser, Dwyer
Expansion Tanks	Westeel, Amtrol, Hamlett & Garneau
Water Pressure Reducing Valves	Armstrong, Watts, Singer
Steam Pressure Reducing Valves	Fisher, Sarco, Armstrong
In-Line Circulator Pumps	Armstrong, Bell & Gossett, Grundfos, Wilo, Taco
Condensate Pumps	Little Giant
Coils	Engineered Air, Trane, Daikin
Suction Diffusers	Armstrong, Bell & Gossett, Leitch
Flexible Pipe Connectors	Hydro-Flex, Vibro-flow, Metaflex
Balancing Valves	Armstrong, Bell & Gossett, Tour & Anderson, Caleffi
Expansion Compensation	Flexonics, Mason, Tubeturn
Heat Recovery VRF Systems	Daikin, Trane, LG

3. Ventilation Approved List

<u>Equipment</u>	<u>Acceptable Manufacturers</u>
Damper Hardware, Fan Connectors	Duro-Dyne, Elgin
Fire Dampers	NCA, Ruskin, Nailor Industries
Fire/Smoke Dampers	NCA, Ruskin, Nailor Industries

<u>Equipment</u>	<u>Acceptable Manufacturers</u>
Static Pressure Monitors	Dwyer, Trerice
Filters	A.A.F., Farr, Cambridge, Flanders
Air Louvres	Price, Carnes, Penn, Westvent, Ruskin, Ventex, Nailor
Inline Centrifugal Fans	Greenheck, Penn, Loren Cook, Delhi
Diffusers, Registers and Grilles	Titus, Price, Nailor Industries, Tuttle and Bailey
Backdraft Dampers	Tamco, Ruskin, Price, Westvent, Nailor Industries, Ventex
Acoustic Duct Insulation	Owens Corning, J-M, Knauf, Ultralite
Flexible DuctWork	Thermoflex, Wire-mould, Flex Master
Electric Duct Heaters	Thermolec, PM Wright, Greenheck
Reverse Flow Heat Recovery Ventilators	BKM, Tempeff

4. Controls Approved List

<u>Equipment</u>	<u>Acceptable Manufacturers</u>
Proportional Control Ball Valves	TAC I/A, Belimo, Siemens
Conventional Control Valves	Honeywell, Johnson, Invensys (TAC), Belimo, Siemens, Caleffi
Level Switch (Sump Pits)	Flygt, Barnes, Myers, McDonnell Miller
Steam Control Valves	Fisher, Sarco, Honeywell, Ruskin
Control Dampers	Ruskin, Ventex, Tamco, Greenheck, Westvent, Alumavent
Damper Motors	Honeywell, Belimo, TAC I/A, Johnson Controls
Variable Speed Drives	ABB, Square D, Toshiba