

- .2 Custom made air handling equipment is also to be in accordance with requirement of the following Codes, Standards, and Regulations:
 - .1 CAN/CSA-C22.2 No. 236/UL 1995, Heating and Cooling Units;
 - .2 ANSI/ASHRAE/IES 90.1, Energy Standard for Buildings Except Low Rise Residential Buildings;
 - .3 CSA or ETL certification and labelling for all electrical components;
 - .4 governing local Codes and Regulations.
- .3 Acceptable unit manufacturers are Haakon Industries (Canada) Ltd., MAFNA Air Technologies Inc., Scott Springfield Mfg. Inc., and Racan Carrier Co., with acceptable components as follows:
 - .1 fans: Twin City Fan and Blower, Loren Cook Co., Greenheck Fan Corp., and CML Northern Blower Inc.;
 - .2 heat transfer coils: Aerofin Canada Services Inc., Heatcraft Inc., and McQuay International;
 - .3 electric heating coils: Indeeco, Thermolec Manufacturing Ltd., Chromalox, and Caloritech Inc.;
 - .4 filters: Camfil Farr Canada Inc. and AAF International.

2 PRODUCTS

2.01 CUSTOM AIR HANDLING UNITS

- .1 General:
 - .1 Provide factory assembled air handling unit in configuration as indicated on schedule. Unit shall include all specified components installed at the factory. Field fabrication of units and their components will not be accepted.
 - .2 Unit ACS-3,4 shall be inspected by the customer prior to shipment. Inspection shall be of unit completely assembled. Refer to spec sections below for additional factory testing which includes air leakage test and air tunnel base pan flood test. Testing must be completed with the consultant and owner present at the factory.
 - .3 Units too large to fit on a standard tractor trailer may be shipped to site in sections. Otherwise units shall be shipped in one piece.
 - .4 Outdoor units shall be designed to sit on a structural steel platform (by others).
- .2 Acoustical Performance
 - .1 The casing shall have been tested for acoustical performance by an independent laboratory that is accredited. Manufacturers shall submit sound data in compliance with the following:
 - .2 Test methods and facilities used to establish sound transmission loss values shall conform explicitly with the ASTM designation E90-85 and E413-73.