

1.4 DELIVER,
STORAGE AND
HANDLING
(Cont'd)

- .2 (Cont'd)
Provide detailed description of protective measures for the unit.
- .3 Unit to be shipped F.O.B. Queen's University, Botterell Hall

1.5 WARRANTY

- .1 The fan manufacturer shall provide a 7 year warranty from time of purchase to include fan, motor and all drive mechanisms including pillow blocks, sheaves, shafts, couplings and heat recovery coil
- .2 Provide quote for extended warranty and/or service contract.

1.6 ACCEPTABLE
MANUFACTURERS

- .1 The plans and specifications for the laboratory fume hood exhaust system are based on systems and equipment manufactured by Mafna Air Technologies Inc. Contact: Belnor Engineering Inc. Attention: Guy Mongeon Tel. 613-729-6660
- .2 Acceptable equivalent alternate manufacturers will be considered.

PART 2 - PRODUCTS

2.1 HEAT RECOVERY
HIGH PLUME EXHAUST
FANS - GENERAL

- .1 Construction:
 - .1 Impellers shall be mounted directly to the motor shaft to provide a direct drive arrangement type fans. Motors shall be isolated from the primary exhaust air stream and shall be visible and accessible from the fan exterior for inspection and service.
 - .2 Mixed flow impellers shall consist of combination axial/backward curved blades and shall be of welded steel construction. The impellers shall have non-stall and non-overloading performance characteristics with aerodynamically stable operation at any point on the fan curves.
 - .3 Fan performances shall be as stated in the engineering data section of this specification. The Static Pressure stated shall be at the inlet to the "Fan System" and include any losses of equipment provided by the fan manufacturer (ie: HRU, Filters, Silencers, etc.). All losses for the equipment provided by the manufacturer shall be