

- .8 Wire from the motors to the motor control in accordance with the local electrical code and contained by EMT conduit with liquid tight connections. Seal the casing penetrations in a manner that eliminates air leaks. At all split sections, provide a 1 foot long piece of flexible conduit, with the extra wire spooled, for reconnection on site by the installing contractor.
  - .9 External disconnects shall be provided in a NEMA 4 enclosure for superior water protection. Disconnects must be interlocked with the electrical panels for added personnel safety.
- .27 Hoods
- .1 Fresh air hoods shall be provided complete with 1/2" x 1/2" birdscreen and finished to match the unit. A rain gutter shall be provided on all edges of the hood. Outside air hoods shall be sized for maximum inlet velocity of 600 FPM.
- .28 Finish
- .1 Unit shall be finished painted with two components, etch bond primer and finish painted with alkyd enamel, color as selected by Owner. All uncoated steel shall be painted with grey enamel. All metal surfaces shall be preprimed with vinyl wash primer to ensure paint bonds to metal. Outdoor unit shall be finish coated with polyurethane paint. Paint for outdoor units shall be tested to ATSM B117 for 5000hr salt spray endurance.
- .29 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 filters: Camfil Farr Canada Inc. and AAF International.

## 2.02 STEAM INJECTION HUMIDIFIER

- .1 Dri-Steem package type low pressure steam injection humidifier in accordance with drawing schedule, each capable of discharging clean dry steam without condensate drip or objectionable noise, and complete with:
  - .1 inlet strainer;
  - .2 stainless steel steam jacketed manifold, a dispersing tube, and a stainless steel noise attenuator;
  - .3 stainless steel separator;
  - .4 normally closed brass body control valve with a modulating motor operator to suit control system, and a temperature switch to prevent humidifier from operating until entire unit is up to steam temperature;