

- .1 Supply/exhaust fans and motors
 - .2 Filters
 - .3 Controls
 - .4 Heat recovery core
- .3 Internally insulate units with 25 mm thick, 1-1/2 lb/cu.ft. density, neoprene coated fibreglass thermal insulation. Line interior of unit with 26 gauge galvanized wall for easy cleaning.

2.3 FANS

- .1 Centrifugal fans shall be rated in accordance with AMCA Standard Test Code, Bulletin 210. Fan manufacturer shall be a member of AMCA. All fans and fan assemblies shall be dynamically balanced during factory test run. Fan shafts shall be selected for stable operation at least 20% below the first critical RPM. Fan shafts shall be provided with a rust inhibiting coating.
- .2 Equip fans with sealed ball bearings.
- .3 Provide fan-motor assemblies with vibration isolators. Secure isolators to welded steel channel and connected to the structural frame of the unit. The isolators shall be neoprene-in-shear type. Hard mounted fan assemblies are not acceptable.
- .4 Motors shall be continuous duty, permanently lubricated and match to fan loads.

2.4 HEAT RECOVERY CORE

- .1 Arrange the heat recovery core to allow self cleaning by two counter flow air streams.
- .2 Install the core removable cassette to allow for inspection, removal and cleaning.
- .3 Test the energy recovery effectiveness values in accordance with ASHRAE 84 and ARI standard 1060.
- .4 The core must comply with NFPA-90A and Alberta Building Code for frame spread and smoke generation.

2.5 FILTERS

- .1 Provide filters on both air streams as part of unit of medium efficiency design (30% DSE).

Part 3 Execution

3.1 AIR HANDLING SCHEDULE

- .1 Refer to Schedule on drawing.

END OF SECTION