



.1 Outdoor Air Handling Units

- .1 Select for long-life, weather tightness, good quality.
- .2 Standard of Acceptance: Haakon, Scott Springfield or equal.
- .3 On large units include a service corridor or mechanical (non-plenum) room for controls.
- .4 Include over-head lifting point for motors 7.5 hp and larger.
- .5 Variable frequency drives are required where variable volume control is required.
- .6 Pilot lights on plenum light switches.
- .7 Quality plenum door hardware.
- .8 Exterior doors lockable and keyed to suit appropriate UVic mechanical access key.
- .9 Weather louvres preferred to exterior hoods.
- .10 Electrical power and controls wiring in EMT conduit.
- .11 Typically locate air handlers in Mechanical Rooms. When necessary locate outdoors. Coordinate access to equipment with Architect. Typically full stairway access is required to Mechanical Rooms and to roof top equipment with paver walkways across roof and around equipment to protect roofing. Coordinate railings/fall protection with Architect.

.1 Centrifugal Fans

- .1 Bearings: Heavy duty pillow-block, grease lubricated ball or roller self aligning type, minimum life of AFBMA L-10 80k or AFBMA L-50 400k.
- .2 Extend grease nipples to exterior of guards.
- .3 Sound power levels to AMCA 311.
- .4 Statically and dynamically balanced, constructed in conformity with AMCA 99.
- .5 Ratings: based on tests performed in accordance with AMCA 211, and ASHRAE 51.
- .6 Units shall bear AMCA certified rating seals.