

4. Provide a filter magnehelic gauge for each filterbank. Gauge to be 3-7/8 in. diameter white dial diaphragm actuated. Guaranteed accurate to $\pm 2\%$ of full scale. Pointer zero adjustment. Provide all accessories including adapters, mounting panel, pressure tips, fittings, tubing, vent valves. Provide an alarm transmitter from filter charge annunciator thru DDC system.
5. Outside air dampers shall be opposed blade, aluminum, air foil, low leakage type. Ruskin CD50, Tamco Series 4000 or pre-approved equal.

H. Accessories:

1. Provide discharge plenum section with outlets as shown on the Contract Drawings.
2. All access doors at fan sections shall be provided with OSHA approved PKS "kill" switches. The PKS switches shall be wired to a de-energize fan prior to access into fan sections.
3. Provide units with factory mounted and wired redundant adjustable speed drives. Refer to Specification Section 230513 for details. Fan motors shall be factory wired for 480V to a disconnect switch mounted at the access door inside the fan section. Provide auxiliary contacts on disconnect switch for interlocking variable speed drive.
4. Provide UL listed factory mounted motorized smoke damper with end switch at supply outlet. Smoke dampers to be suitable for the total possible fan static pressure. Ruskin SD50 for less than 4 in. shutoff static pressure. Ruskin SD102 for greater than 4 in. shutoff static pressure.
5. Provide floor drains as shown and in all outdoor air sections.
6. Provide separate, 120V single point power connection for lighting and GFI receptacles as indicated on the drawing. Vapor-proof fluorescent light fixtures, switches, GFI receptacles and interconnecting wiring shall be included.
7. Provide two (2) 3/4 in. conduits running the length of the unit for Temperature Control Contractor's use with 8 in. x 8 in. x 4 in. junction boxes at every module.

I. Structural Design Criteria:

1. The roof mounted HVAC enclosure shall be designed to resist the New York State Uniform Fire Prevention and Building Code mandated loads except as modified below.
2. The HVAC enclosure manufacturer shall assume a snow load of 32 psf.
3. The HVAC enclosure manufacturer shall design the enclosure for wind forces conforming to the "Minimum Design Loads for Buildings and Other Structures", ASCE 7-88 (formerly ANSI A58.1). This design shall account for windward, leeward, and corner pressures on the enclosure walls, roof uplift and downward pressures caused by lateral forces in the design of the enclosure.
4. The manufacturer is responsible for the design and supply of all connections of the enclosure to the buildings structural frame. Other connections shown on Contract Drawings shall be provided by the installer in addition to those required by the manufacturer's design.

J. Design Equipment: Temtrol.

K. Acceptable Makes: Temtrol, Mafna. ←