


BUILDING CONTROL SYSTEM AND HEAT PUMP SYSTEM INTERFACE CONTROLS.

- .1 PROVIDE DATA NETWORK BETWEEN THE HEAT PUMP SYSTEM OUTDOOR UNITS, INDOOR UNITS AND HEAT RECOVERY UNITS. COORDINATE WITH THE HEAT PUMP SYSTEM SUPPLIER FOR THE WIRING AND CONNECTION REQUIREMENTS.
- .2 INSTALL THE BACnet GATEWAY IN [THE BUILDING MECHANICAL ROOM]. THE GATEWAY SHALL BE COMPLETE WITH A BACNET INTERFACE AND THE E-MAIL ERROR REPORTING FUNCTIONS. ERROR REPORTING SHALL BE E-MAILED TO AN ADDRESS DESIGNATED BY THE OWNER.
- .3 PROVIDE A PC COMPLETE WITH GRAPHICS PACKAGE FOR THE BUILDING CONTROL SYSTEM. PROVIDE GRAPHICAL REPRESENTATION OF THE HEAT PUMPS SYSTEMS AT THE OPERATOR WORKSTATION.
- .4 MAP POINTS FROM THE HEAT PUMP SYSTEM THROUGH TO THE BUILDING CONTROL SYSTEM OPERATORS TERMINAL. AT A MINIMUM, FOR EACH INDOOR UNIT MAP THE CURRENT SPACE TEMPERATURE, CURRENT COOLING/HEATING TEMPERATURE SETPOINT, FAN RUNNING, AND FAULT SIGNALS BACK TO THE BUILDING MANAGEMENT SYSTEM AND DISPLAY THIS DATA ON THE BUILDING MANAGEMENT SYSTEM GRAPHIC DISPLAY.
- .5 AT A MINIMUM, FOR EACH OUTDOOR UNIT MAP THE COMPRESSOR RUNNING, FAN RUNNING, AND FAULT SIGNALS BACK TO THE BUILDING MANAGEMENT SYSTEM AND DISPLAY THIS DATA ON THE BMS GRAPHIC DISPLAY.
- .6 THE BUILDING MANAGEMENT SYSTEM SHALL PROVIDE THE BUILDING OCCUPANCY SCHEDULE TO THE HEAT PUMP SYSTEMS.

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CONTROLS SCHEMATIC — INTERFACE WITH HEAT PUMP SYSTEM

SCALE : N.T.S.

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