DEVICES TO PERFORM CONTROL SEQUENCES AND FUNCTIONS SPECIFIED. REFER ALSO TO CONTROL DRAWINGS, SEQUENCES OF OPERATION, AND POINT LISTS ELSEWHERE IN THE CONTRACT DOCUMENTS.

CONTROLLER AND SERVING CONTROLLER PRODUCT SHALL BE EQUIVALENT TO VAISALA HMT331/HMT333 DISPLAYED ABOVE.

5. ALL CONTROLS WORK SHALL BE INSTALLED BY THE BAS INSTALLER, UNLESS SPECIFIED OTHERWISE. ALL EQUIPMENT SHALL BE DIRECTLY CONTROLLED BY THE BAS WHERE POSSIBLE IN LIEU OF THIRD-PARTY SOURCE.

7. CRITICAL SAFETY INTERLOCKS, SUCH AS FREEZESTATS, HIGH LIMIT PROTECTORS, END SWITCHES ETC., SHALL BE DIRECTLY CONNECTED, THROUGH WIRE OR PNEUMATIC TUBING, SO AS NOT TO DEPEND ON NOTIFICATION AND SHALL PASS POWER THROUGH ON BATTERY FAILURE.

NOTES:

1. ALL CONTROL WIRING SHALL BE LABELED INSIDE THE CONTROL PANEL AND AT THE END-DEVICES USING VINYL TAPE.

2. LABELING AT REMOTE DEVICES SHALL INCLUDE, THE FILTERS, ETC. AS NECESSARY FOR PROPER OPERATION AND PROTECTION OF ALL CONTROLLERS. ALL CONTROL EQUIPMENT MUST BE TOLERANT OF VOLTAGE VARIATIONS 10% ABOVE OR BELOW SCHEDULED NOMINAL WITH NO IMPACT ON HARDWARE.

3. FOR EQUIPMENT ON EMERGENCY OR STANDBY POWER THE BAS CONTROLLER SERVING THAT EQUIPMENT SHALL BE PROVIDED WITH AN EXTERNAL UNINTERRUPTABLE POWER SUPPLY (UPS). ADDITIONALLY A UPS SHALL BE PROVIDED FOR EACH CONTROLLER CONNECTIONS MUST BE APPROVED IN WRITING BY THE UVA AUTOMATION SERVICES DEPARTMENT.

4. THE INSTALLATION OF ALL EQUIPMENT SHALL BE ACCORDANCE WITH MANUFACTURER INSTRUCTIONS AND METAL/ Junction boxes for the complete air distribution system. The use of manual control valves for damper actuators or dampers shall be avoided. All actuators shall be of the electric (o/d 25 mm) or electric/pneumatic (o/d 1 1/2" or 2") type. All actuators shall be provided with manual override, and in the case of electric actuators shall be provided with an auxiliary spring return mechanism. All actuators shall be identified with a visible tag or label indicating the actuator type and rating, and shall be operable from any location within the building.

5. EXPOSED CONTROL WIRING AND CONTROL WIRING IN THE MECHANICAL, CAPACITY SHALL BE SPECIFICALLY REFLECTED IN ADDITIONAL CONTROLLER UNIVERSAL INPUTS/OUTPUTS.

12. THE UNIVERSITY RESERVES THE RIGHT TO MAKE CHANGES TO THE BAS DURING THE WARRANTY PERIOD. SUCH CHANGES DO NOT CONSTITUTE A WAIVER OF WARRANTY. THE INSTALLER SHALL WARRANT DESIGNATED NETWORK AND DEVICE ADDRESS RANGES

Network Range: 1100-11999
Device Address Range: 1400000-1499999
Network Range: 34000-34999

A BUILDING LEVEL GRAPHIC SHALL BE PROVIDED THAT DISPLAYS ALL EQUIPMENT INSTALLABLE ON THE BUILDING LEVEL.

PLAN GRAPHIC FOR ALL FLOORS REPRESENTING THE SPACES SERVED WILL INCLUDE THE ROOM NUMBERS OF THE SPACES BEING SERVED, AND THE SPACES SHALL BE COLOR-SHADED TO INDICATE THEY ARE SERVED BY THE NOTED PRIMARY EQUIPMENT.

A TYPICAL USER INTERFACE GRAPHIC SHOWS THE NETWORK ADDRESS, DEVICES ADDRESS, NAME OF DEVICE, AND ALARM STATUS OF THE SPACES BEING SERVED.

REAL-TIME VALUES, ACCESSIBLE VIA THE STANDARD THIN-CLIENT USER INTERFACE PROGRAM.