

FACTORY SEQUENCES

ALL CONTROLS ASSOCIATED WITH OUTSIDE AIR UNIT TO MAINTAIN THE SEQUENCE OF OPERATION SHALL BE PROVIDED BY THE UNIT MANUFACTURER AS PART OF THE BASE BID. THE DESIGN INTENT IS FOR A "PREPACKAGED" AIR HANDLER CONTROLS SYSTEM WITH SEQUENCES FOR OCCUPIED, UNOCCUPIED AND DEHUMIDIFICATION FUNCTION. OCCUPIED AND UNOCCUPIED MODES SHALL HAVE SEQUENCES FOR COOLING, HEATING AND DEHUMIDIFICATION.

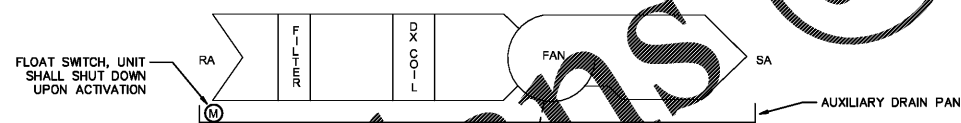
1 100% OUTSIDE AIR HANDLING UNIT
M4.1

SEQUENCE OF OPERATION (BY MANUFACTURER)

1. THE MANUFACTURE SHALL PROVIDE SEQUENCES THAT MAINTAIN TEMPERATURE AND HUMIDITY AT 65-70°F AND 45-55% RH RESPECTIVELY AT ALL TIMES.
2. SEQUENCES SUCH AS COOLING, HEATING AND DEHUMIDIFICATION MODES SHALL ALSO BE INCLUDED IN THE BASE PACKAGE.

ALARMS

- A. ALL PARAMETERS WITH STATUS INDICATION.
- B. HIGH RH
- C. HIGH AND LOW TEMP
- D. WHEN FIRE ALARM SYSTEM IS IN ALARM, ALL ALARMS ASSOCIATED WITH AHU/CU SHUTDOWN ARE SILENCED.



ALL CONTROLS ASSOCIATED WITH OUTSIDE AIR UNIT TO MAINTAIN THE SEQUENCE OF OPERATION SHALL BE PROVIDED BY THE UNIT MANUFACTURER AS PART OF THE BASE BID. THE DESIGN INTENT IS FOR A "PREPACKAGED" AIR HANDLER CONTROLS SYSTEM WITH SEQUENCES FOR OCCUPIED, UNOCCUPIED AND DEHUMIDIFICATION FUNCTION. OCCUPIED AND UNOCCUPIED MODES SHALL HAVE SEQUENCES FOR COOLING, HEATING AND DEHUMIDIFICATION.

UNIT IS CONTROLLED BY MANUFACTURERS HARD WIRED REMOTE CONTROLLER TO CONTROL SPACE TEMPERATURE AND HUMIDITY SET POINTS

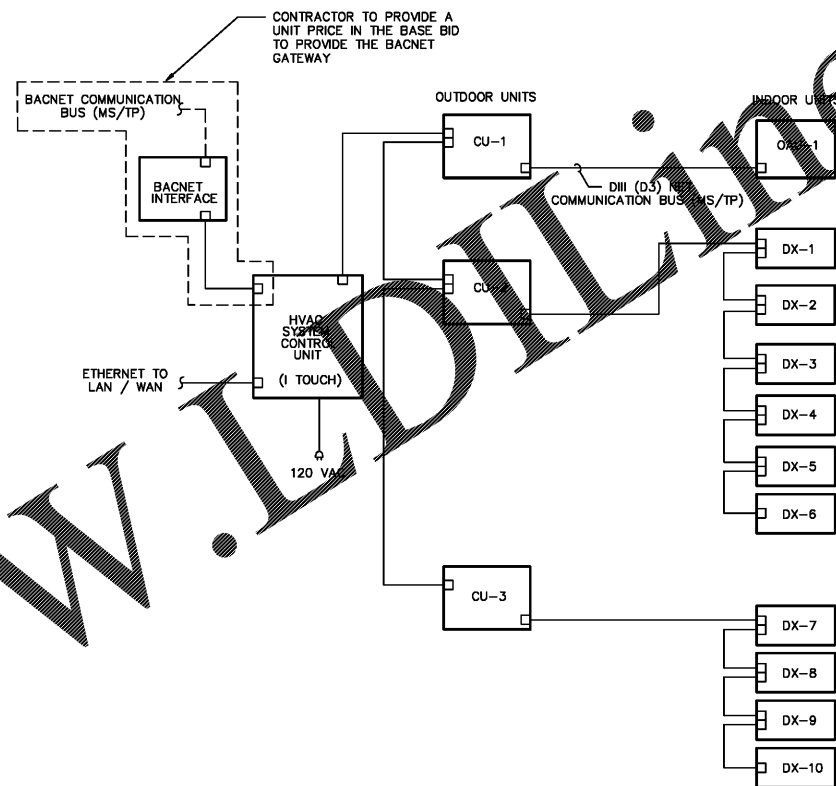
3 INDOOR AC SYSTEM UNITS
M4.1 TYPICAL FOR ALL INDOOR UNITS

SEQUENCE OF OPERATION (BY MANUFACTURER)

1. THE MANUFACTURE SHALL PROVIDE SEQUENCES THAT MAINTAIN TEMPERATURE AND HUMIDITY AT 72-74°F AND 45-55% RH RESPECTIVELY AT ALL TIMES.
2. SEQUENCES SUCH AS DEHUMIDIFICATION MODES SHALL ALSO BE INCLUDED IN THE BASE PACKAGE.

ALARMS

- A. ALL PARAMETERS WITH STATUS INDICATION.
- B. HIGH RH
- C. HIGH AND LOW TEMP
- D. WHEN FIRE ALARM SYSTEM IS IN ALARM, ALL ALARMS ASSOCIATED WITH AHU/CU SHUTDOWN ARE SILENCED.



2 CONFIGURATION DIAGRAM
M4.1

GENERAL NOTES

1. THIS DRAWING IS A SCHEMATIC REPRESENTATION OF THE BASIS OF DESIGN SYSTEM ARCHITECTURE, TO THE INDOOR AC UNIT CONTROLLER LEVEL ONLY.
2. 120 VOLT POWER SHALL BE PROVIDED TO THE HVAC SYSTEM CONTROL UNIT UNDER DIVISION 16.
3. THE EMS COMMUNICATION DATA BUS WIRING SHALL BE DEDICATED TO THE EMS SYSTEM AND BE IN ACCORDANCE WITH THE MANUFACTURERS REQUIREMENTS.
4. COMMUNICATION CABLING SHALL BE RUN IN CONDUIT WHERE EXPOSED AND IN EQUIPMENT ROOMS AND SHALL BE PROVIDED UNDER DIVISION 23. COMMUNICATIONS CABLING ABOVE CEILINGS SHALL BE PLENUM RATED AND MAY BE RUN WITHOUT CONDUIT BUT SHALL BE PROPERLY SUPPORTED USING BRIDAL RINGS OR 'J' HOOKS OFF CABLE TRAY.
5. MISCELLANEOUS POINTS MAY TIE INTO THE HVAC SYSTEM CONTROL UNIT.
6. EXACT CONFIGURATION OF INTERCONNECTING COMMUNICATIONS DATA BUS IS AT THE INSTALLERS OPTION. REFER TO MANUFACTURER FOR CONTROL COMMUNICATION WIRING RECOMMENDATIONS OR REQUIREMENTS.
7. A LIGHTING CONTROL TERMINAL CABINET WILL BE PROVIDED UNDER DIVISION 16 IN EACH ELECTRICAL ROOM. UNDER DIVISION 23 EMS LIGHTING INPUTS/OUTPUTS SHALL BE CONNECTED TO THE TERMINAL CABINET AND ON-OFF TIME PROGRAMMED. THE DIVISION 23 CONTRACTOR SHALL COORDINATE THE ACTUAL POINTS REQUIRED IN EACH CAC WITH THE DIVISION 26 CONTRACTOR.

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| Drawn: | WLM | |
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| No. | Date | Note |
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TO THE BEST OF MY KNOWLEDGE, THE PLANS AND SPECIFICATIONS COMPLY WITH THE MINIMUM BUILDING CODES.