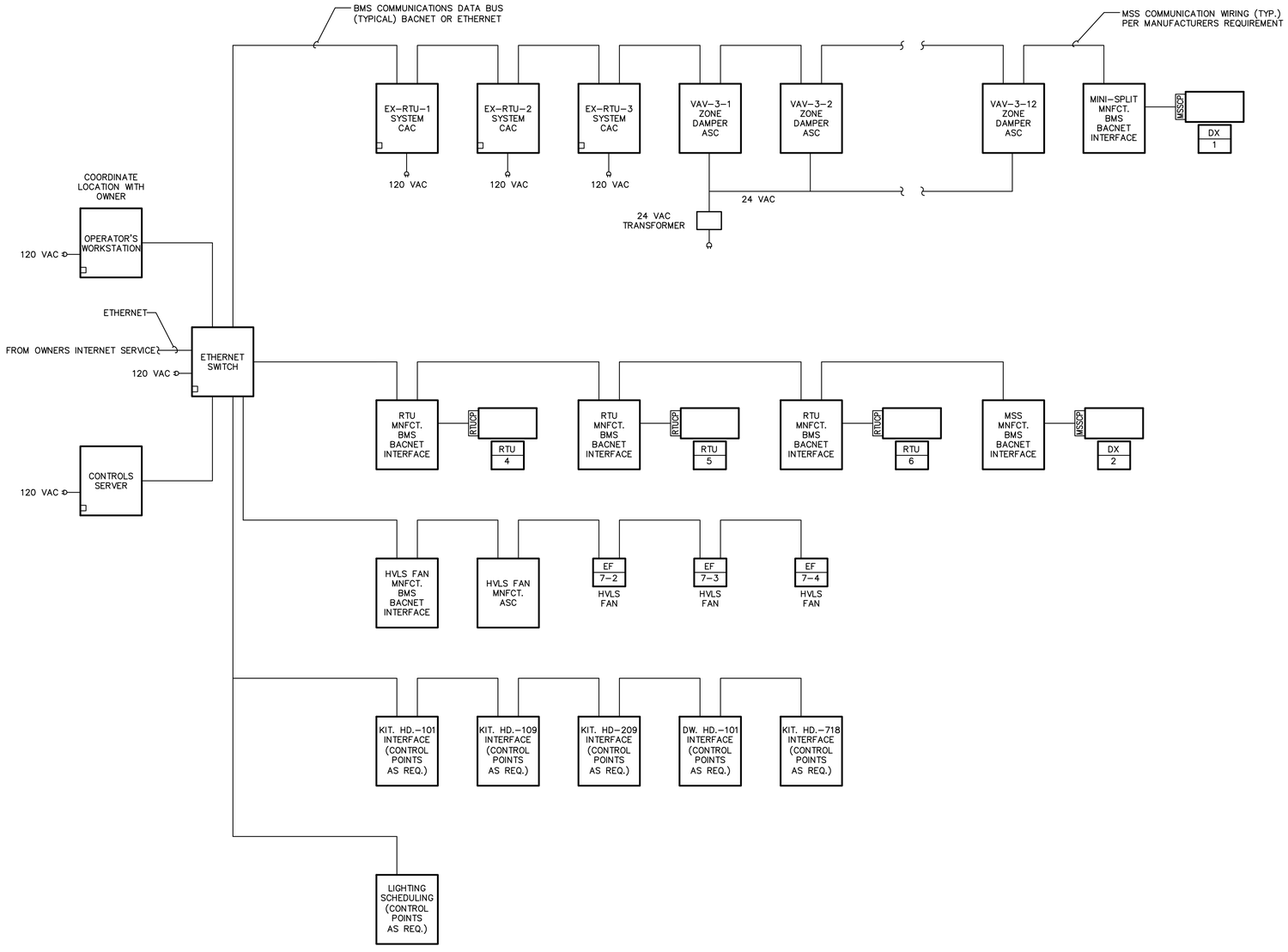


## 1 M-11 BUILDING MANAGEMENT SYSTEM - CONFIGURATION DIAGRAM

## CONFIGURATION DIAGRAM NOTES

1. THIS DRAWING IS A SCHEMATIC REPRESENTATION OF THE BUILDING MANAGEMENT SYSTEM (BMS) ARCHITECTURE TO THE UNIT CAC AND ASC CONTROLLER LEVEL ONLY; REFER TO OTHER SHEETS FOR POINT ASSIGNMENTS TO THE VARIOUS CONTROLLERS.
2. EXISTING ROOFTOP UNITS (EX-RTU-#) SHALL OPERATE UNDER THE MANUFACTURER'S INTEGRAL OPERATING AND SAFETY CONTROLS. PROVIDE BUILDING MANAGEMENT SYSTEM (BMS) SPACE SENSORS, CAC, SCHEDULING, AND TEMPERATURE CONTROL MODE AND UNIT CAPACITY CONTROL.
3. EXISTING ROOFTOP UNIT EX-RTU-3 VARIABLE AIR VOLUME AND TEMPERATURE (VVT) SYSTEM DUCT MOUNTED BYPASS DAMPER (VAV-3-BP) SHALL BE CONTROLLED FROM ITS ASSOCIATED RTU CAC CONTROLLER. VVT ZONE DAMPERS (VAV-3-#) SHALL BE CONTROLLED FROM BMS ASC CONTROLLERS. THE BMS SHALL PROVIDE ALL CONTROL FUNCTIONS FOR THE VVT SYSTEM.
4. NEW ROOFTOP UNITS (RTU-#) SHALL OPERATE UNDER THE MANUFACTURER'S INTEGRAL OPERATING AND SAFETY CONTROLS IN A STAND ALONE FASHION. THE BMS SHALL INTERFACE WITH INDIVIDUAL RTU VIA A BACNET INTERFACE AND PROVIDE LIMITED CONTROL FUNCTIONS INCLUDING SCHEDULING, AND DISPLAY OF SYSTEM INFORMATION AND ALARMS.
5. MINI-SPLIT SYSTEMS (MSS) SHALL OPERATE UNDER THE MANUFACTURER'S INTEGRAL OPERATING AND SAFETY CONTROLS IN A STAND ALONE FASHION. THE BMS SHALL INTERFACE WITH INDIVIDUAL MSS VIA A BACNET INTERFACE AND PROVIDE LIMITED CONTROL FUNCTIONS INCLUDING SCHEDULING, AND DISPLAY SYSTEM INFORMATION AND ALARMS.
6. HIGH VOLUME LOW SPEED (HVLS) CIRCULATING FANS SHALL OPERATE UNDER THE MANUFACTURER'S OPERATING AND SAFETY CONTROLS IN A STAND ALONE FASHION. THE BMS SHALL INTERFACE WITH INDIVIDUAL HVLS FANS VIA A BACNET INTERFACE AND PROVIDE LIMITED CONTROL FUNCTIONS INCLUDING SCHEDULING, AND DISPLAY SYSTEM INFORMATION AND ALARMS.
7. KITCHEN AND DISHWASHER HOODS ON/OFF OPERATION SHALL BE CONTROLLED VIA MANUAL STOP/START SWITCH AT HOOD. DEDICATED KITCHEN HOOD EXHAUST FANS AND MAKEUP AIR UNITS SHALL BE CONTROLLED BY THE KITCHEN HOOD. THE BMS SHALL PROVIDE FOR ASSOCIATED ZONED RTU STOP/START TO MAINTAIN PROPER BUILDING SPACE PRESSURIZATION.
8. ALL OTHER EQUIPMENT SHALL BE CONTROLLED BY THE BMS.
9. BACNET INTERFACES SHALL BE FURNISHED BY THE EQUIPMENT MANUFACTURER. COORDINATE BMS BACNET REQUIREMENTS WITH THE EQUIPMENT MANUFACTURER.


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New Kitchen Facility for

PALM BEACH COUNTY FOOD BANK

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Ward C Connors

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CLEAR SPAN STRUCTURES

Project No. 22.046
24 February 2023
Bidding, Permit and Construction

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JLRD PROJECT NO: 122110