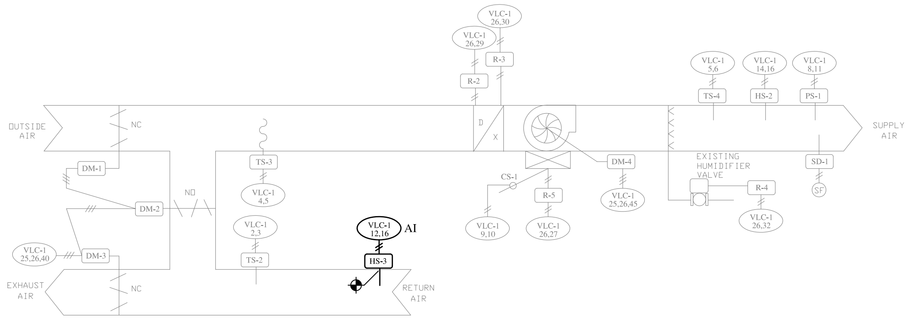
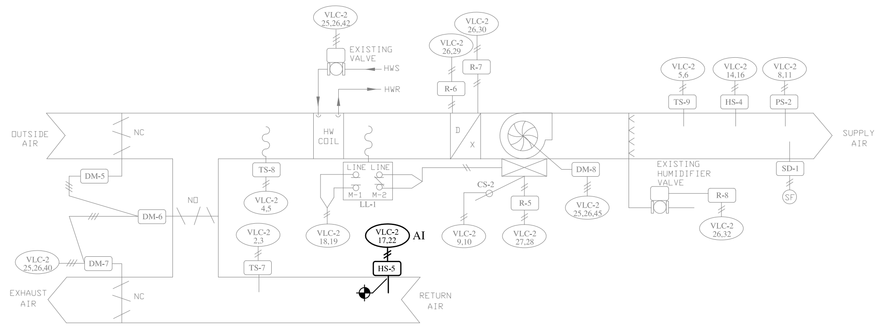


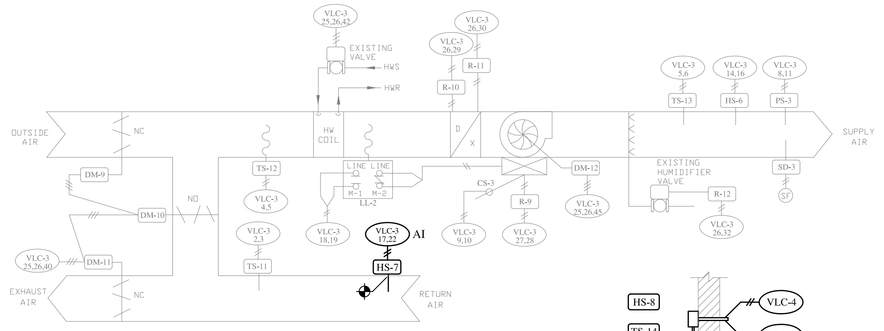
TOWN HALL AHU-1

NOT TO SCALE



TOWN HALL AHU-2

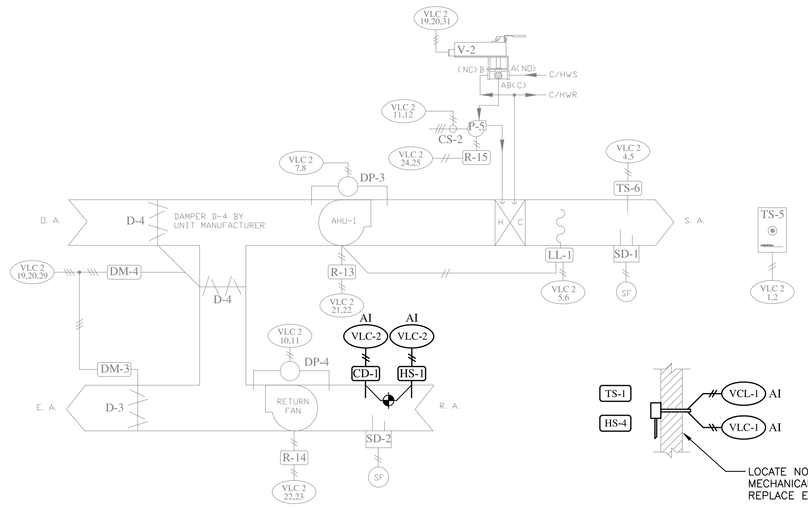
NOT TO SCALE



TOWN HALL AHU-3

NOT TO SCALE

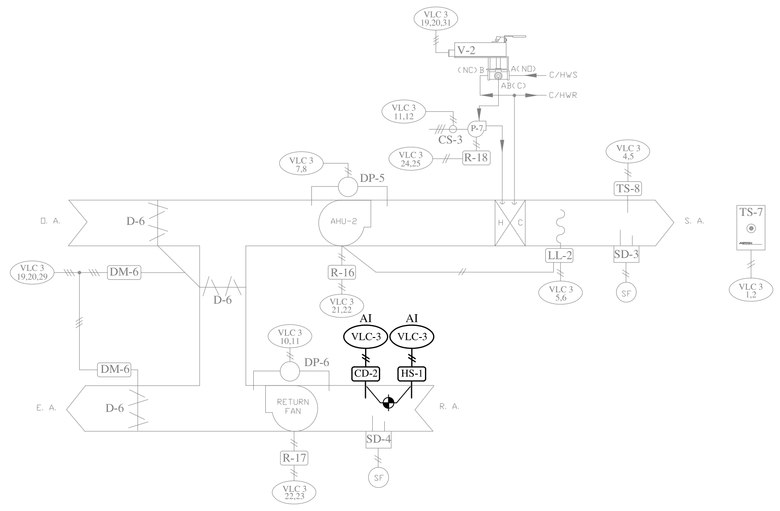
NEW OUTDOOR AIR SENSOR



NEW OUTDOOR AIR SENSOR

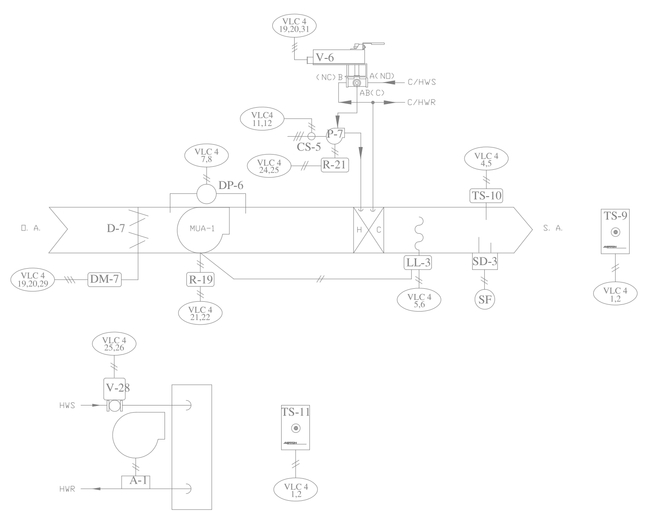
WELLES TURNER LIBRARY AHU-1

NOT TO SCALE



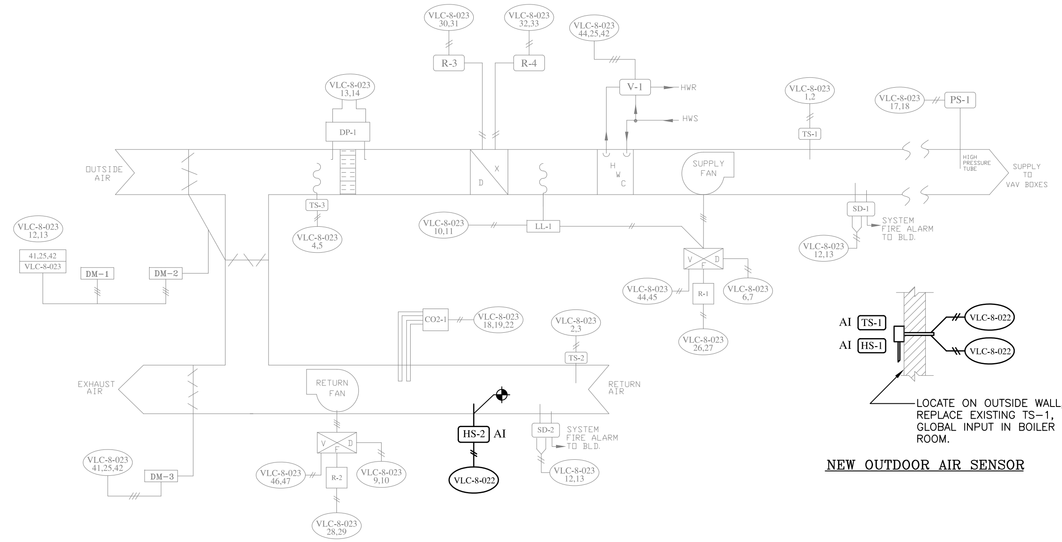
WELLES TURNER LIBRARY AHU-2

NOT TO SCALE



WELLES TURNER LIBRARY MAU-1

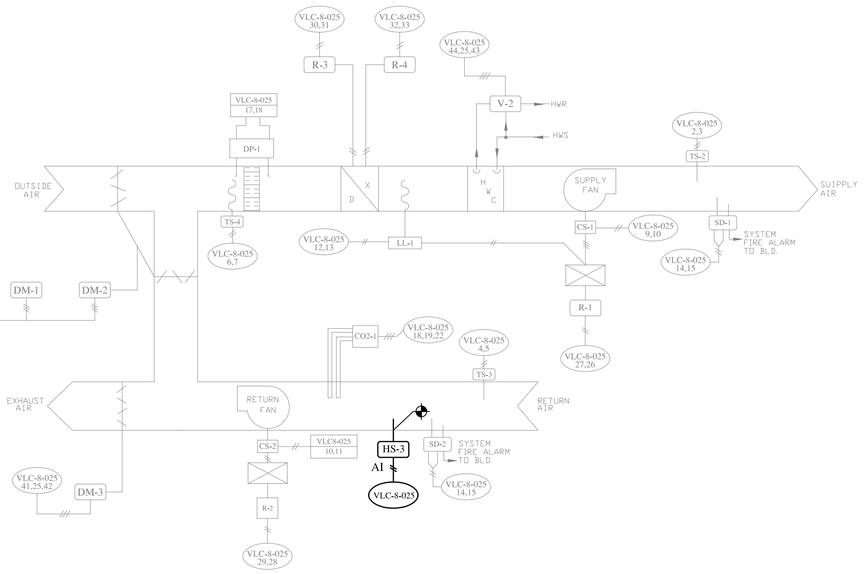
NOT TO SCALE



NEW OUTDOOR AIR SENSOR

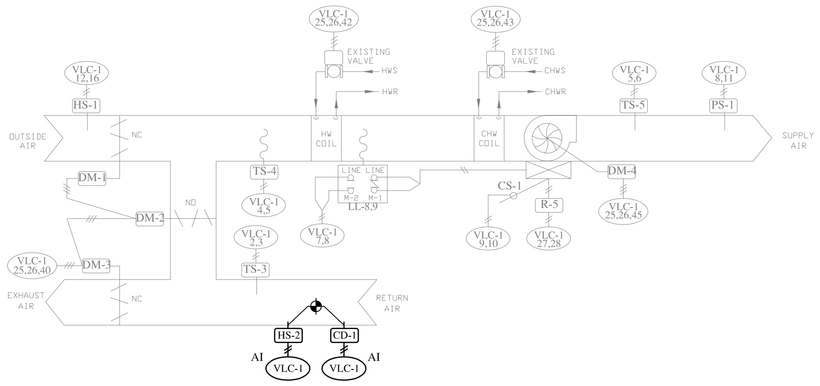
RFCC AHU-1 AIR FLOW DIAGRAM

NOT TO SCALE



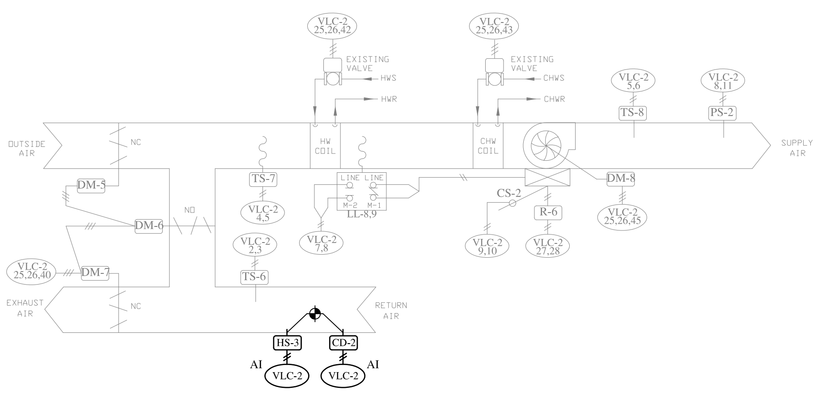
RFCC AHU-2 AIR FLOW DIAGRAM

NOT TO SCALE



POLICE STATION AHU-1

NOT TO SCALE



POLICE STATION AHU-2

NOT TO SCALE

DRAWING LIST

ME-1	GENERAL INFORMATION
ME-2	CONTROLS UPGRADE SCHEMATICS
ME-3	MISCELLANEOUS SYSTEM MODIFICATIONS
ME-4	DETAILS

SPECIFICATIONS LIST

SECTION NO.	TITLE
15010	GENERAL CONDITIONS FOR MECHANICAL TRADES
15050	BASIC MATERIALS AND METHODS
15900	ENERGY MANAGEMENT AND CONTROLS SYSTEM
16010	GENERAL CONDITIONS FOR ELECTRICAL TRADES
16050	BASIC MATERIALS AND METHODS
16483	VARIABLE FREQUENCY DRIVES
17100	COMMISSIONING

APPLICABLE CODES

Connecticut State Building Code – Connecticut Supplement 2000
Connecticut Fire Safety Code Supplement – 2000
The BOCA National Building Code 1996
The International Mechanical Code 1996
The International Plumbing Code 1997
The BOCA Accumulative Supplement 1999
The National Electrical Code 1999
The National Fire Protection Association – Life Safety Code 101–1997
NFPA–90A & NFPA–90B and NFPA–99

Connecticut State Building Code 2005 – Connecticut Supplement 2005
The National Electric Code (NEC) 2005 (NFPA 70)
And all applicable Local Building codes.

GENERAL NOTES:

1. WORK OUTLINED IS TO BE PERFORMED BY THE LOCAL ALERTON AUTHORIZED REPRESENTATIVE. THE CONTRACTOR IS TO PROVIDE COMPLETE TURNKEY PACKAGE INCLUDING PROVIDING AND INSTALLING ALL NECESSARY COMPONENTS AND PROGRAMMING.
2. ALL BUILDINGS:
   UPGRADE EACH BUILDING LEVEL CONTROLLER AND SOFTWARE TO CURRENT RELEASE VERSIONS. THIS IS REQUIRED TO FACILITATE OPTIMAL START/STOP SEQUENCE OF OPERATIONS.
3. TOWN HALL:
   CHECK CONDITION AND CALIBRATION OF EXISTING HUMIDITY SENSORS SHOWN. CHECK SEQUENCE OF OPERATIONS INCORPORATES COMPARATIVE ENTHALPY ECONOMIZING.
4. RIVERFRONT COMMUNITY CENTER:
   CONFIRM EXISTING APPLICATION CONTROLLERS CAN SUPPORT ADDITIONAL SENSORS. PROVIDE AND INSTALL DUCT MOUNTED RETURN AIR HUMIDITY SENSORS. PROVIDE AND INSTALL OUTSIDE AIR HUMIDITY/TEMPERATURE SENSOR. MODIFY SEQUENCE OF OPERATIONS TO INCORPORATE COMPARATIVE ENTHALPY ECONOMIZING.
5. WELLES–TURNER LIBRARY:
   CONFIRM EXISTING APPLICATION CONTROLLERS CAN SUPPORT ADDITIONAL SENSORS. PROVIDE AND INSTALL DUCT MOUNTED RETURN AIR HUMIDITY SENSORS. PROVIDE AND INSTALL OUTSIDE AIR HUMIDITY/TEMPERATURE SENSOR. MODIFY SEQUENCE OF OPERATIONS TO INCORPORATE COMPARATIVE ENTHALPY ECONOMIZING. PROVIDE AND INSTALL DUCT MOUNTED CO2 SENSORS FOR AHU–1 AND AHU–2 AS SHOWN. INSTALL (3) SPACE CO2 SENSORS INTERLOCKED WITH MAU–1. MODIFY SEQUENCE OF OPERATIONS TO INCORPORATE CO2 LEVEL BASED VENTILATION CONTROL. NOTE MAU–1 TO GET VFD UPGRADE AS WELL. SEE ME–3
6. POLICE DEPARTMENT:
   CONFIRM EXISTING APPLICATION CONTROLLERS CAN SUPPORT ADDITIONAL SENSORS. CHECK CONDITION AND CALIBRATION OF EXISTING OUTSIDE AIR HUMIDITY SENSOR HS–1. PROVIDE AND INSTALL DUCT MOUNTED RETURN AIR HUMIDITY SENSORS. MODIFY SEQUENCE OF OPERATIONS TO INCORPORATE COMPARATIVE ENTHALPY ECONOMIZING. PROVIDE AND INSTALL DUCT MOUNTED CO2 SENSORS FOR AS SHOWN. MODIFY SEQUENCE OF OPERATIONS TO INCORPORATE CO2 LEVEL BASED VENTILATION CONTROL.
7. REFER TO SPECIFICATIONS FOR EQUIPMENT/SENSOR TECHNICAL DETAILS AND PROPOSED SEQUENCE OF OPERATIONS.

REVISIONS	
6	
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4	
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JOB #08-60

GLASTONBURY MUNICIPAL BUILDING
BAS UPGRADE - GL-2010-06
300 WELLES ST. GLASTONBURY, CT

CONTROLS UPGRADE SCHEMATICS

SCALE: AS NOTED | DATE: 05-30-2009
DRAWN: WPA | CHECKED: JD

ME-2