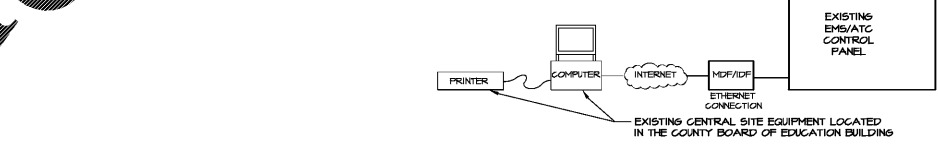
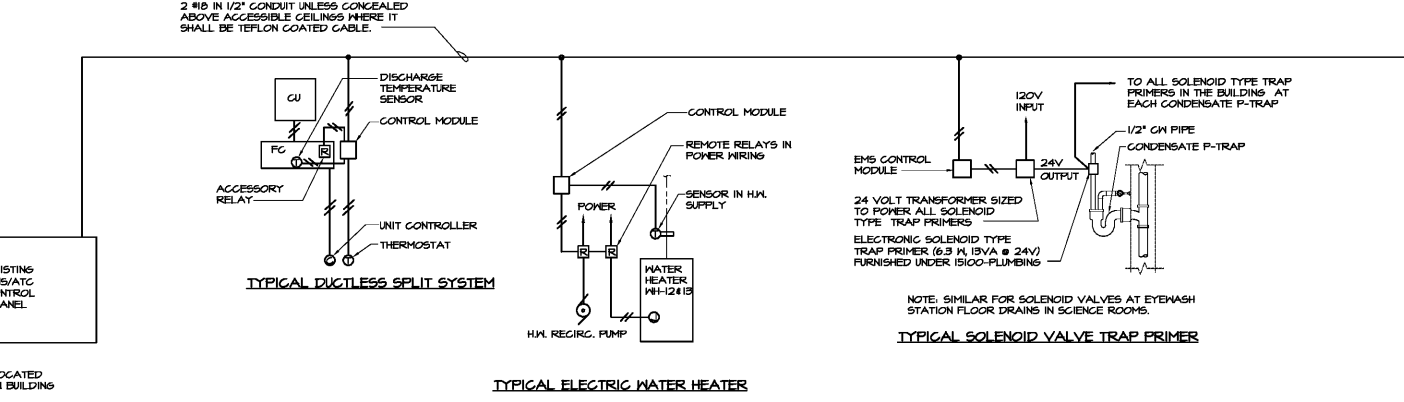
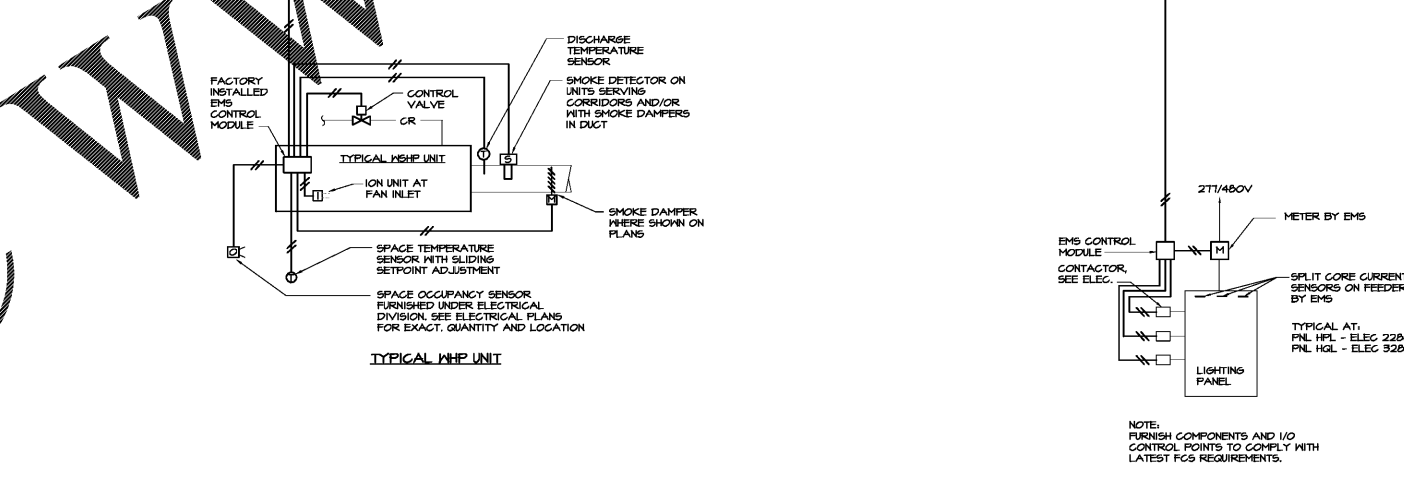
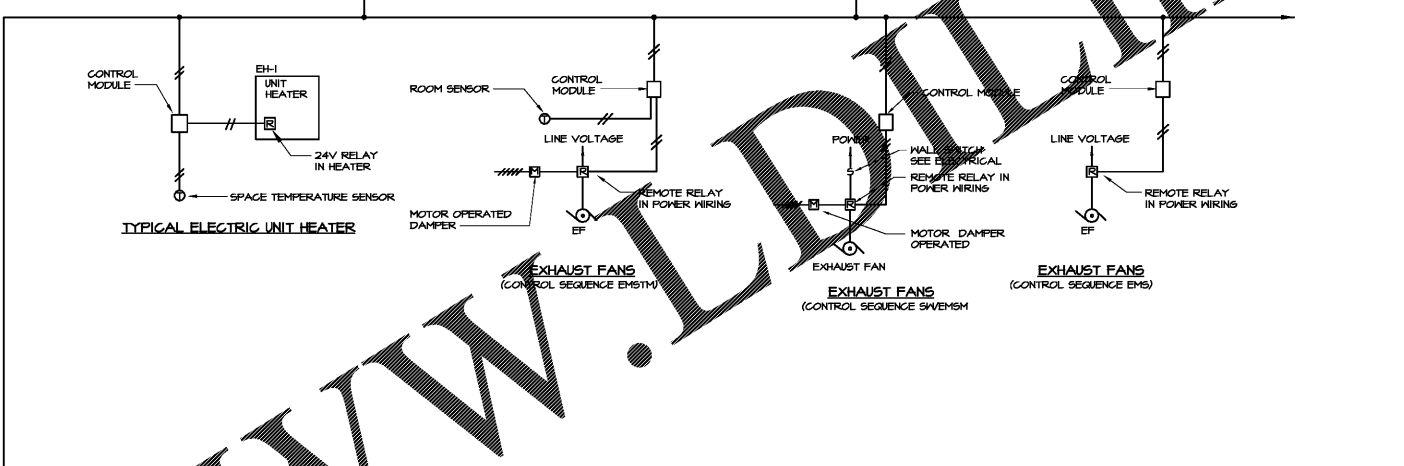
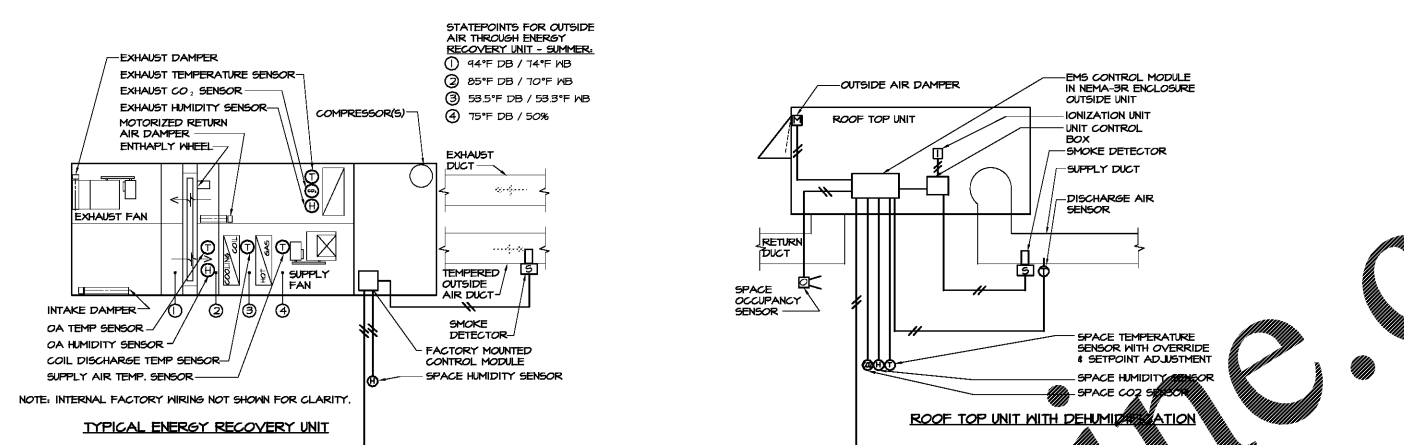


Order Plans @

	HARDWARE POINTS					HARDWARE POINTS			
	AI - ANALOG INPUT	AO - ANALOG OUTPUT	DI - DIGITAL INPUT	DO - DIGITAL OUTPUT		AI - ANALOG INPUT	AO - ANALOG OUTPUT	DI - DIGITAL INPUT	DO - DIGITAL OUTPUT
<b>MONITOR/CONTROL POINTS</b>									
TYP. WATER SOURCE HEAT PUMP									
DISCHARGE AIR TEMPERATURE									
SMOKE DETECTOR									
SUPPLY FAN START/STOP									
COMPRESSOR START/STOP									
COMPRESSOR STATUS									
REVERSING VALVE OPEN/CLOSE									
CONTROL VALVE OPEN/CLOSE									
IONIZATION UNIT STATUS									
OCCUPANCY SENSOR									
<b>TYPICAL ERU</b>									
EXHAUST TEMPERATURE									
EXHAUST HUMIDITY									
EXHAUST CO <sub>2</sub> SENSOR									
OUTSIDE AIR TEMP									
OUTSIDE AIR HUMIDITY									
SPACE HUMIDITY									
COIL DISCHARGE TEMP									
HOT GAS DISCHARGE TEMP									
SUPPLY AIR TEMP									
SUPPLY AIR HUMIDITY									
SUPPLY AIR FLOW (AFM)									
EXHAUST AIR FLOW (AFM)									
SUPPLY FAN START/STOP									
SUPPLY FAN STATUS									
EXHAUST FAN START/STOP									
EXHAUST FAN STATUS									
ENTHALPY WHEEL START/STOP									
ENTHALPY WHEEL STATUS									
COMPRESSOR START/STOP									
COMPRESSOR STATUS									
HOT GAS REHEAT SOL. VALVE									
RA, OA DAMPERS									
GAS HEAT START/STOP									
UNIT ALARM SIGNAL									
<b>GENERATOR</b>									
STATUS									
OVERCRANK									
<b>ELECTRIC DEMAND METER</b>									
STATUS									
OVERCRANK									
<b>SWITCHGEAR PULSE</b>									
STATUS									
<b>TYP. LIGHTING CONTACTOR</b>									
LIGHTING ON/OFF									
<b>MAIN POWER PHASE ALARM</b>									
POWER LOSS									
<b>FIRE ALARM</b>									
STATUS									
TROUBLE									
<b>BURGLAR ALARM</b>									
STATUS									
TROUBLE									
<b>OUTSIDE AIR</b>									
TEMPERATURE									
HUMIDITY									
<b>GENERAL NOTES:</b>									
A. PROVIDE MULTIPLE STAGES OF CONTROL FOR UNITS WITH MULTIPLE STEPS OF CAPACITY.									
B. WIRE THROUGH SMOKE DETECTORS FOR UNITS WITH OVER 2000 CFM THAT SERVE CORRIDORS, AND UNITS THAT HAVE ASSOCIATED SMOKE DAMPERS TO SHUT DOWN THE UNIT AND CLOSE THE SMOKE DAMPERS WHEN SMOKE IS PRESENT.									



ENERGY MANAGEMENT SYSTEM AND AUTOMATIC TEMPERATURE CONTROLS DIAGRAM

**CCLIS**  
 CHAPMAN GRIFFIN LANIER SUSENBACHA ARCHITECTS

**SPURLOCK ASSOCIATES, INC.**  
 2970 Clairmont Rd., Suite 620  
 Atlanta, GA 30329  
 P: 404.633.0245  
 F: 404.633.1736

**STATE OF GEORGIA**  
 PROFESSIONAL SEAL  
 No. 460  
 PROFESSIONAL REGISTERED ELECTRICAL ENGINEER  
 SPURLOCK

DATE NO. DESCRIPTION  
 03/27/18 0306 PRELIMINARY SCHEMATIC  
 06/14/18 0306 DESIGN DEVELOPMENT  
 06/17/18 0306 CONSTRUCTION DOCUMENTS  
 09/17/18 0306 CHECK-SET / PERMIT SET  
 10/10/18 0306 FINAL SCHEMATIC / REVISION FOR PROPOSAL

DOE FACILITY CODE: 660 -3066  
**RIVERWOOD HIGH SCHOOL-PHASE 3-8 AUDITORIUM / GYMNASIUM ADDITION**  
 5900 RAIDER DRIVE NW SANDY SPRINGS, GA 30328  
 FULTON COUNTY SCHOOLS RFP NO. 411-18

SHEET TITLE  
**ENERGY MANAGEMENT & CONTROLS**

PROJECT NO.  
 18015.02

DATE  
 09/17/18

DRAWN BY  
 CPAM/MWD

CHECKED BY  
 SLS

SHEET NO.  
**M-4.1**