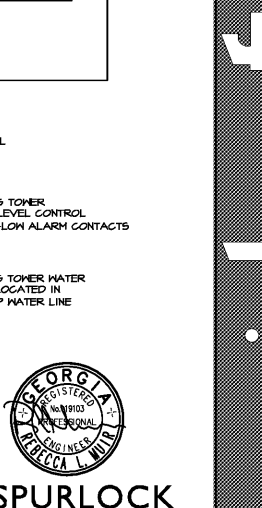
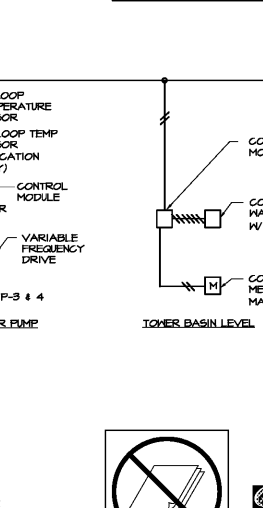
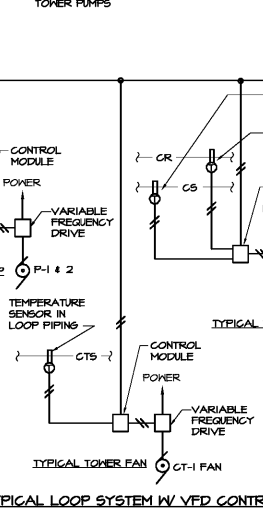
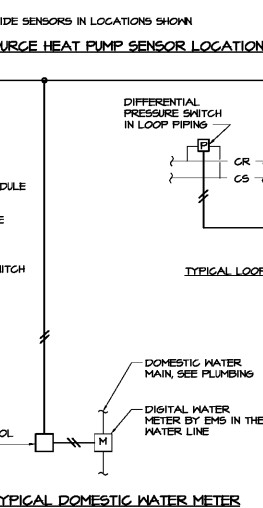
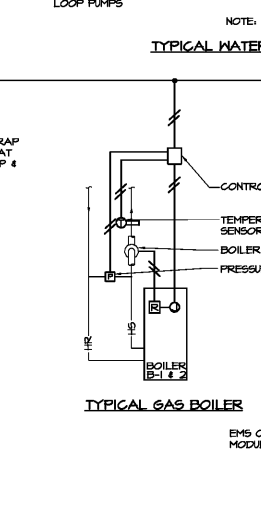
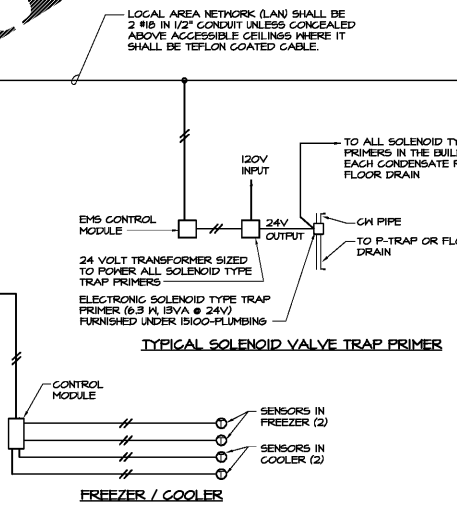
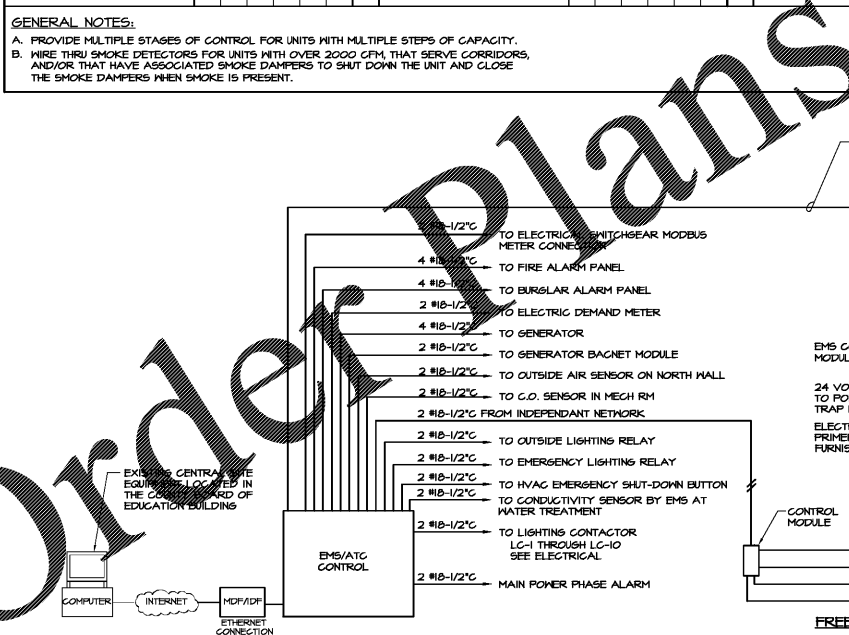


INPUT/OUTPUT SUMMARY	HARDWARE POINTS				HARDWARE POINTS			
	AI - ANALOG INPUT	AO - ANALOG OUTPUT	DI - DIGITAL INPUT	DO - DIGITAL OUTPUT	AI - ANALOG INPUT	AO - ANALOG OUTPUT	DI - DIGITAL INPUT	DO - DIGITAL OUTPUT
MONITOR/CONTROL POINTS								
TYP. WATER SOURCE HEAT PUMP	X							
ZONE TEMPERATURE	X							
DISCHARGE AIR TEMPERATURE	X							
SMOKE DETECTOR	X							
SUPPLY FAN START/STOP	X							
COMPRESSOR START/STOP	X							
COMPRESSOR STATUS	X							
REVERSING VALVE OPEN/CLOSE	X							
CONTROL VALVE OPEN/CLOSE	X							
OCCUPANCY SENSOR	X							
IONIZATION UNIT STATUS	X							
IONIZATION UNIT ALARM	X							
LOOP WATER								
CT SUPPLY TEMP	X							
CT RETURN TEMP	X							
CR LOOP TEMP	X							
CS LOOP TEMP	X							
BOILER HEADER WATER TEMP	X							
CS LOOP TEMP	X							
LOOP FLOW STATUS	X							
LOOP PRESSURE SENSOR	X							
AIR/DIRT SEP. SOLENOID VALVE	X							
TYPICAL PUMP (4)								
PUMP START/STOP	X							
PUMP STATUS	X							
PUMP VFD SIGNAL	X							
TYPICAL COOLING TOWER FAN								
FAN START/STOP	X							
FAN STATUS	X							
FAN VFD SIGNAL	X							
GT BASIN WATER LEVEL	X							
BASIN H2O LOW LEVEL	X							
BASIN H2O HIGH LEVEL	X							
WATER METER INFORMATION	X							
TYPICAL GAS BOILER (2)								
START/STOP	X							
BOILER STATUS	X							
BOILER PUMP START/STOP	X							
BOILER PUMP STATUS	X							
BOILER SUPPLY TEMPERATURE	X							
MODBUS/BAGNET CONNECTION	X							
TYPICAL ERU								
EXHAUST TEMPERATURE	X							
EXHAUST HUMIDITY	X							
EXHAUST CO <sub>2</sub> SENSOR	X							
OUTSIDE AIR TEMP	X							
OUTSIDE AIR HUMIDITY	X							
COIL DISCHARGE TEMP	X							
HOT GAS DISCHARGE TEMP	X							
SUPPLY AIR TEMP	X							
SUPPLY AIR HUMIDITY	X							
SUPPLY AIR FLOW (AFM)	X							
EXHAUST AIR FLOW (AFM)	X							
SUPPLY FAN START/STOP	X							
SUPPLY FAN STATUS	X							
EXHAUST FAN START/STOP	X							
EXHAUST FAN STATUS	X							
ENTHALPY WHEEL START/STOP	X							
ENTHALPY WHEEL STATUS	X							
COMPRESSOR START/STOP	X							
COMPRESSOR STATUS	X							
HOT GAS REHEAT SOL. VALVE	X							
RA, CA, EA DAMPERS	X							
GAS HEAT START/STOP	X							
UNIT ALARM SIGNAL	X							
TYPICAL ELECTRIC UNIT HEATER								
ZONE TEMPERATURE	X							
HEATER START/STOP	X							

MONITOR/CONTROL POINTS	HARDWARE POINTS			
	AI - ANALOG INPUT	AO - ANALOG OUTPUT	DI - DIGITAL INPUT	DO - DIGITAL OUTPUT
TYP. VVT TERMINAL BYPASS DAMPER	X			
EACH ZONE DAMPER	X			
EACH ZONE TEMPERATURE	X			
EACH ZONE VELOCITY	X			
TYP. VVT WATER SOURCE HP				
DISCHARGE AIR TEMPERATURE	X			
DUCT PRESSURE SENSOR	X			
SUPPLY FAN START/STOP	X			
SUPPLY FAN STATUS	X			
COMPRESSOR START/STOP	X			
GAS HEAT START/STOP	X			
UNIT ALARM SIGNAL	X			
TYP. FREEZER/COOLER (2 EACH)				
ZONE TEMPERATURE	X			
POWER LOSS	X			
PHASE LOSS	X			
GENERATOR				
STATUS	X			
TROUBLE	X			
BURGLAR ALARM				
STATUS	X			
TROUBLE	X			
OUTSIDE AIR TEMPERATURE	X			
HUMIDITY	X			
TYP. FREEZER/COOLER (2 EACH)				
ZONE TEMPERATURE	X			
PHASE LOSS	X			
GENERATOR				
STATUS	X			
OVERCRANK	X			
MODBUS/BAGNET CONNECTION	X			
ELECTRIC DEMAND METER	X			
EXHAUST FAN STATUS	X			
ENTHALPY WHEEL START/STOP	X			
ENTHALPY WHEEL STATUS	X			
COMPRESSOR START/STOP	X			
COMPRESSOR STATUS	X			
HOT GAS REHEAT SOL. VALVE	X			
RA, CA, EA DAMPERS	X			
GAS HEAT START/STOP	X			
UNIT ALARM SIGNAL	X			
TYPICAL LIGHTING CONTACTOR				
LIGHTING ON/OFF	X			
MAIN POWER PHASE ALARM	X			
POWER LOSS	X			
WATER METER	X			
GT WATER CONDUCTIVITY SENSOR	X			



HARMONY LELAND-CIT SCHOOL REPLACEMENT ELEMENTARY SCHOOL  
 6526 LAFAYETTE SQUARES RD., W. MABLETON, GA 30126  
 FOR COBB COUNTY SCHOOL DISTRICT, COBB COUNTY, GA  
 CCSD PROJECT NO. A007 / ODE FACILITY CODE  
 DATE: JULY 16, 2019  
 JOB NO. B-L-2019-18  
 DRAWN BY: CFA/RLY  
 CHECKED BY: RLY  
 CUNNINGHAM, FOREHAND, MATTHEWS & MOORE, ARCHITECTS, INC. - 2011 manchester street, n.e. - atlanta, georgia 30324 - phone (404) 873-2152  
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