

# OWEGO APALACHIN SCHOOLS

OWEGO, New York  
**HIGH SCHOOL ONLY**



## **AIR TEMP HEATING & AIR CONDITIONING, INC.** A LINC SERVICE ® *CONTRACTOR*

1165 Front Street  
Binghamton, New York 13905

Phone Number: (607)772-8362

Fax Number: (607)771-8470

Engineer/Architect Highland Associates


Mechanical Contractor J&K Plumbing and Heating

Project Engineer Randy S. Langille

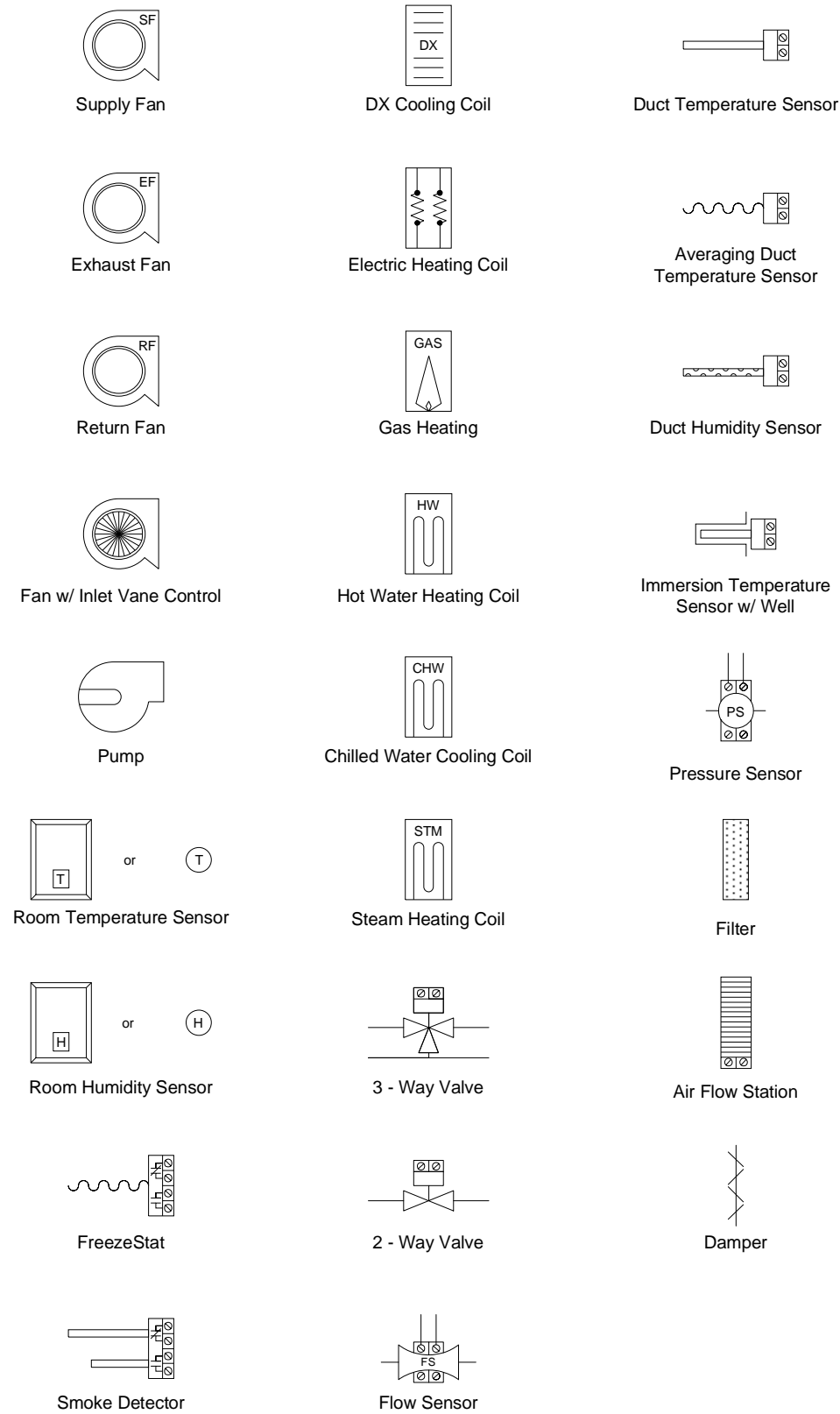
Job Number P7809

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OWEGO, New York			
 <b>AIR TEMP HEATING &amp; AIR CONDITIONING, INC.</b> A LINC SERVICE @ CONTRACTOR			
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<b>AUTOMATEDLOGIC</b> CORPORATION			CHECK BY: RSL
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# SYMBOL LEGEND

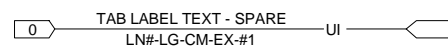


## Common Abbreviations:

AC - Air Conditioning	EVAP - Evaporator	SA - Supply Air
ACU - Air Conditioning Unit	F - Fahrenheit	SF - Supply Fan
AHU - Air Handling Unit	FCU - Fan Coil Unit	SP - Static Pressure
AI - Analog Input	HOA - Hand / Off / Auto	TEMP - Temperature
AO - Analog Output	HP - Heat Pump	UH - Unit Heater
AUTO - Automatic	HRU - Heat Recovery Unit	UV - Unit Ventilator
AUX - Auxiliary	HTEX - Heat Exchanger	VAV - Variable Air Volume
C - Common	HW - Hot Water	VVTU - Variable Volume Terminal Unit
CHW - Chilled Water	HWP - Hot Water Pump	W/ - with
CHWP - Chilled Water Pump	HWR - Hot Water Return	W/O - without
CHWR - Chilled Water Return	HWS - Hot Water Supply	WSHP - Water-Source Heat Pump
CHWS - Chilled Water Supply	MAX - Maximum	
COND - Condenser	MIN - Minimum	
CW - Condenser Water	MISC - Miscellaneous	
CWP - Condenser Water Pump	NC - Normally Closed	
CWR - Condenser Water Return	NO - Normally Open	
CWS - Condenser Water Supply	OA - Outdoor Air	
DA - Discharge Air	PIU - Powered Induction Unit	
DI - Digital Input	RA - Return Air	
DO - Digital Output	RF - Return Fan	
EA - Exhaust Air	RH - Relative Humidity	
EF - Exhaust Fan	RTU - Roof-top Unit	

## General Notes:

1. All control modules are drawn using standard ALC module representations.
2. Electrical points are identified by a tagged method (LN# - LG - CM - EX - Z0):





- LN# - The line number (optional).
- LG - The gateway number (optional).
- CM - The control module address.
- EX - The expander module number.
- #1 - The channel number.

These tags include wiring for all AI's, DI's, AO's and DO's. Points using pneumatic tubing follow the same convention.

<b>OWEGO APALACHIN SCHOOLS</b> OWEGO, New York A LINC SERVICE @ CONTRACTOR			
<b>SYMBOL LEGEND</b>			
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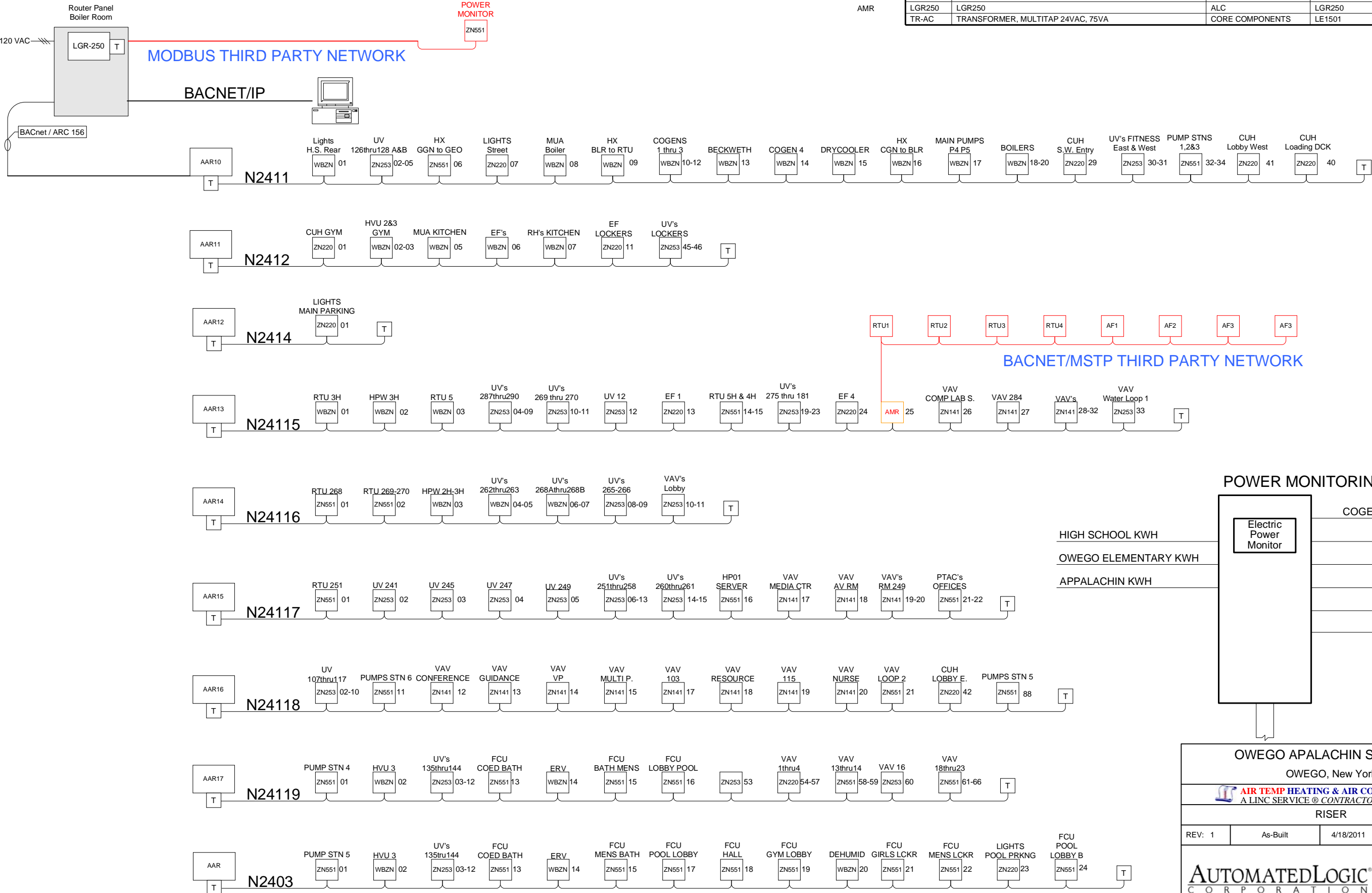
# Summary Bill of Materials

Summary Bill of Materials				
DID	DESCRIPTION	MANUFACTURER	PART NUMBER	QTY
A10CPDO8	TYPE 2 DUCT	ALPS	A10CPDO8	69 ea
AF24SRUS	DAMPER ACT.	BELIMO	AF24SRUS	30 ea
AMR	AMR	ALC	AMR	1 ea
BA10KA12	SNSR	BAPI	BA10KA12	12 ea
DA-BB	SR OPEN/CLOSE 35 IN-LB 24 V	BELIMO	LF24 ALC	6 ea
E-BA	CONTROL ENCLOSURE 12X12X6	CMW	12126	3 ea
ENCLOSE	ENCLOSURE	SPACEAGE	YM9051	20 ea
ESENS	CO2	ESENSE	ESENS	159 ea
FS-D	TEMP LOW LIMIT MAN. RESET DPDT	LANDIS STEAFA	1341504	6 ea
LF24SR	PROP ACT	BELIMO	LF24SR	330 ea
LF24SRUS	PROPORTIONAL ACTUATOR	BELIMO	LF24SRUS	69 ea
LGR25	LGR25	AUTOMATED LOGIC	LGR25	2 ea
LGR250	LGR250	ALC	LGR250	1 ea
Portal	PORTAL	AUTOMATED LOGIC	PORTAL	2 ea
RBXKF	CURRENT SENSOR	RIB	RBXKF	6 ea
REL-AD	SPDT RELAY W/ IND LGHT 24 VAC	IDEC	RH1B-ULC-AC24V	6 ea
RIBU1C	RELAY	FUNCTIONAL DEVICES	RIBU1C	79 ea
RIBXKF	CURRENT SWITCH	FUNCTIONAL DEVICES	RIBXKF	79 ea
RS	SENSOR	ALC	RS	45 ea
RSPLUS	SENSOR SP ADJ PB	ALC	RSPLUS	228 ea
RSS	FILTER DIFF SWITCH	CLEVELAND CONTROLS	RSS-498-013	28 ea
SE6166	SE6166	AUTOMATED LOGIC	SE6166	2 ea
SETRA	DIFF PRESS	SETRA	SETRA	2 ea
TC-A	HW TEMP CONTROL HIGH LIMIT MAN. RESET	JOHNSON CONTROLS	A19ADB-2	36 ea
TR-AC	TRANSFORMER, MULTITAP 24VAC, 75VA	CORE COMPONENTS	LE1501	71 ea
TR-AG	TRANSFORMER, 120/24VAC 150VA W/CCT BREAKER	CORE COMPONENTS	LE-124	13 ea
TR-B	TRANSFORMER, MULTITAP 24VAC, 75VA	CORE COMPONENTS	LE-150	6 ea
W-A	TWP PART SS WELL 4IN.	BAPI	BA/4IN.	24 ea
WEBZONE	WEBZONE	AUTOMATED LOGIC	WEBZONE	84 ea
ZN141V+	ZN141V+	AUTOMATED LOGIC	ZN141V+	69 ea
ZN220	ZN220	AUTOMATED LOGIC	ZN220	61 ea
ZN253	ZN253	AUTOMATED LOGIC	ZN253	162 ea
ZN551	ZN551	AUTOMATED LOGIC	ZN551	40 ea
a10kcpdo8	DUCT 10K THERMISTOR PROBE 8 IN.	ALPS	A10KCPDO8	9 ea
insert	INSERION SENSE 2.4 INCH	ALPS	A/10K-CP-I-4	24 ea
ribu1c	PILOT RELAY 24 VAC DPDT W/ LED	FUNCTIONAL	RIBU1C	9 ea
ribxkf	CURRENT SWITCH .5-200 AMP SOLID CORE GO/NO GO	FUNCTIONAL	RIBXKF	18 ea
rs	SPACE TEMP	ALC	RS	11 ea

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Summary Bill of Materials			
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# RISER

HIGH SCHOOL

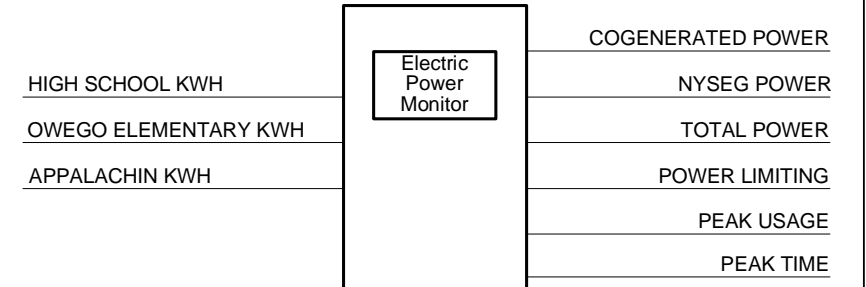


E-BA  
TR-AC  
LGR250  
AMR

## Bill of Materials

DID	DESCRIPTION	MANUFACTURER	PART NUMBER	QTY
AMR	AMR	ALC	AMR	1 ea
E-BA	CONTROL ENCLOSURE 12X12X6	CMW	12126	1 ea
LGR250	LGR250	ALC	LGR250	1 ea
TR-AC	TRANSFORMER, MULTITAP 24VAC, 75VA	CORE COMPONENTS	LE1501	1 ea

## POWER MONITORING



## OWEGO APALACHIN SCHOOLS

OWEGO, New York

**AIR TEMP HEATING & AIR CONDITIONING, INC.**  
A LINC SERVICE @ CONTRACTOR

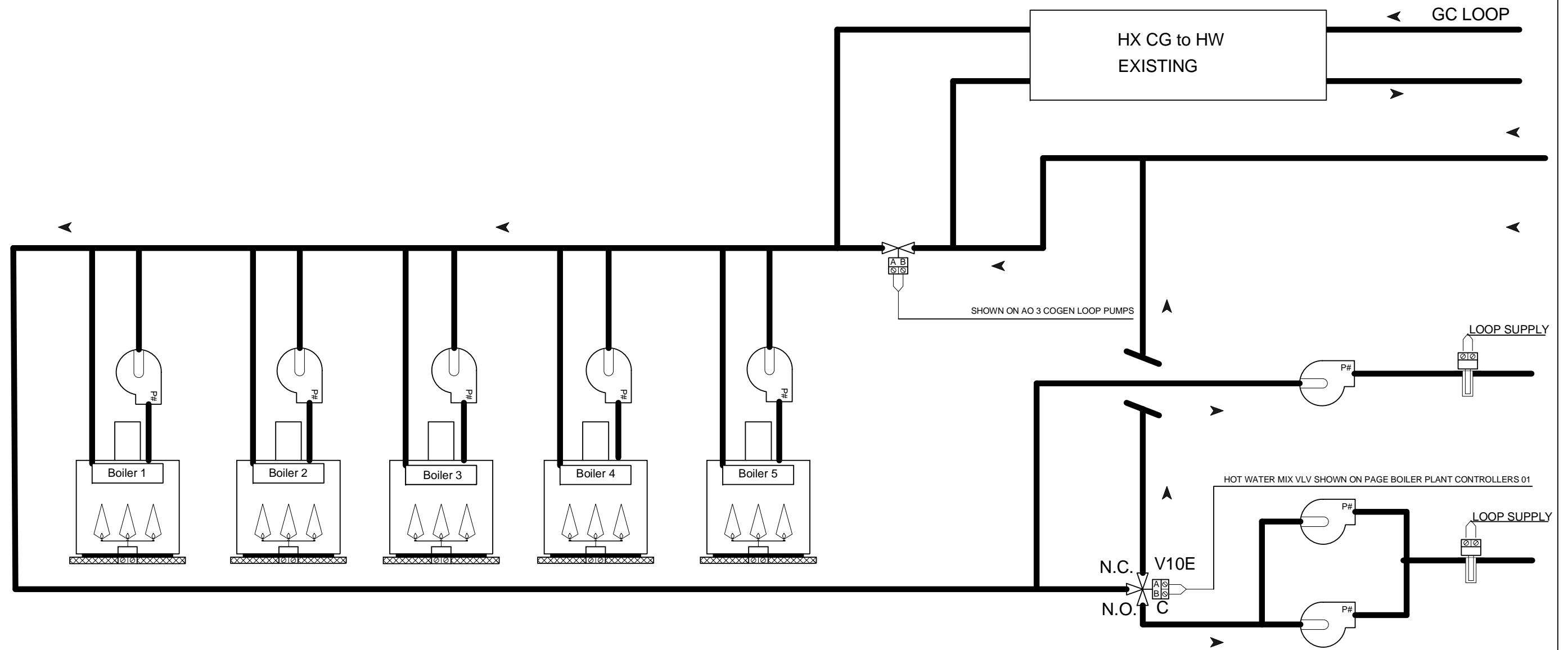
### RISER

REV: 1	As-Built	4/18/2011	JOB NO: P7809
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**AUTOMATEDLOGIC**  
CORPORATION

# BOILER PLANT HIGH SCHOOL



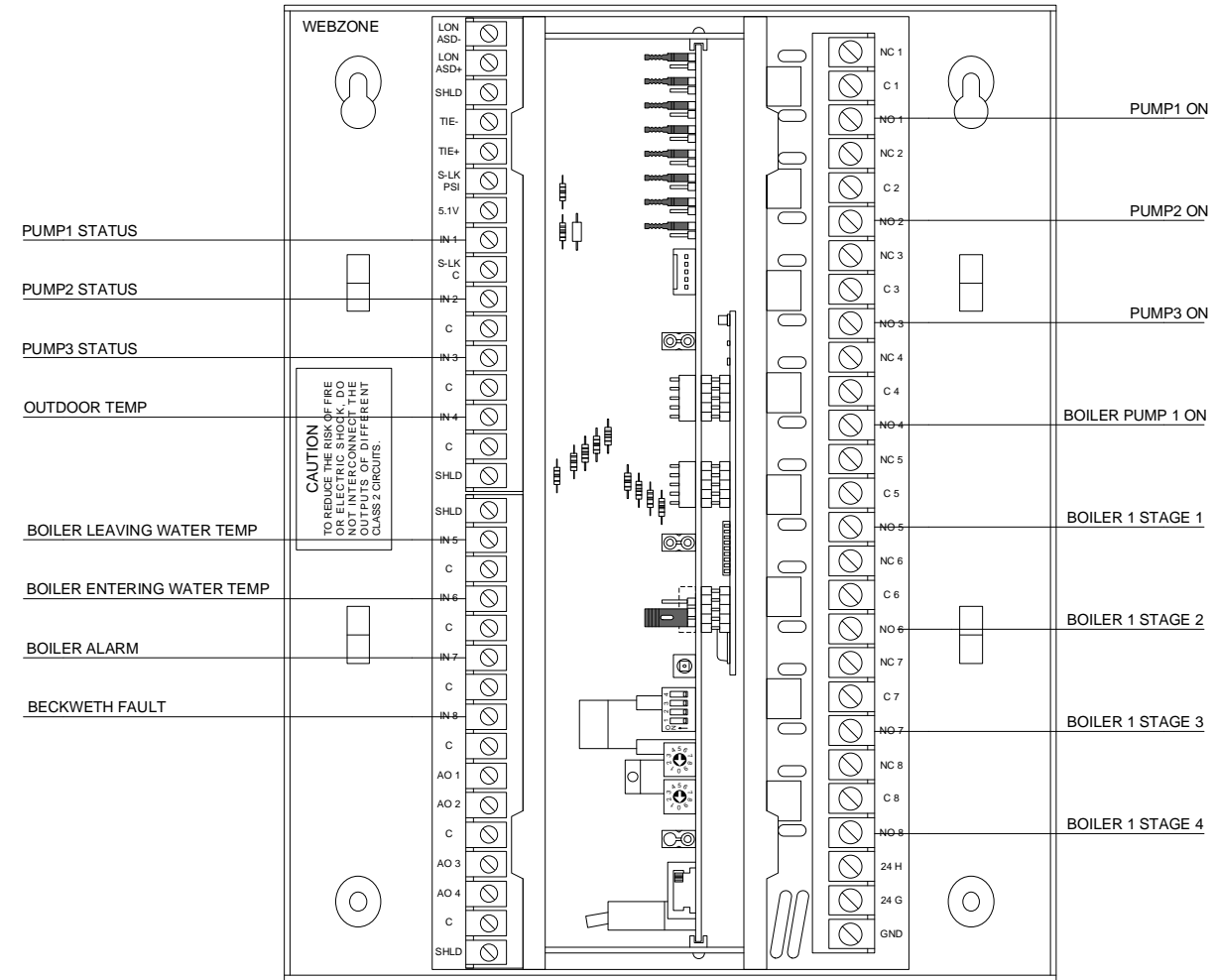
**SEE CONTROLLERS ON FOLLOWING PAGE**

<b>OWEGO APALACHIN SCHOOLS</b> OWEGO, New York			
 <b>AIR TEMP HEATING &amp; AIR CONDITIONING, INC.</b> A LINC SERVICE @ CONTRACTOR			
<b>BOILER PLANT HIGH SCHOOL</b>			
REV: 1	As-Built	4/18/2011	JOB NO: P7809
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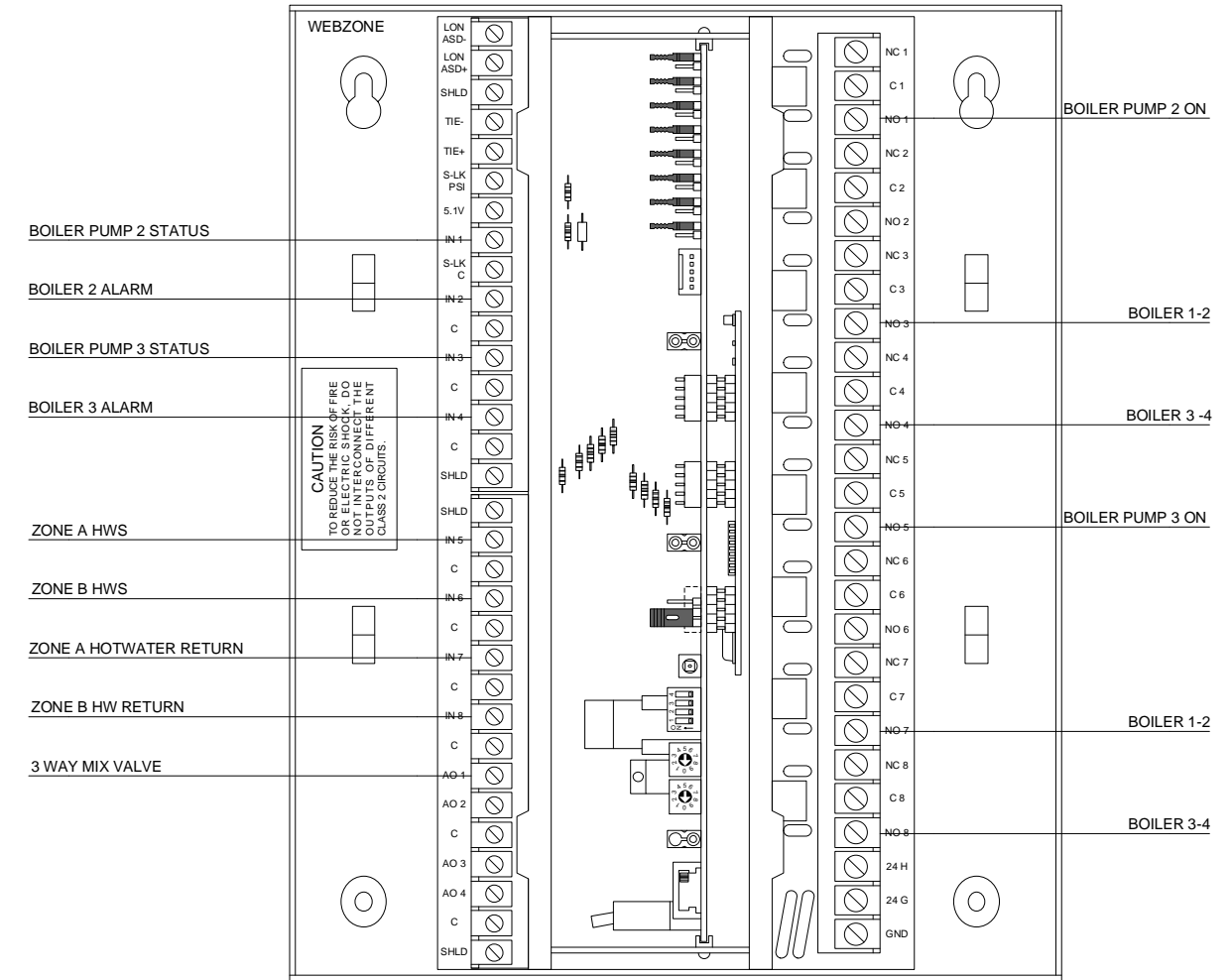
# BOILER PLANT CONTROLLERS 01



Bill of Materials				
DID	DESCRIPTION	MANUFACTURER	PART NUMBER	QTY
WEBZONE	WEBZONE	AUTOMATED LOGIC	WEBZONE	2 ea

2411-19



2411-18



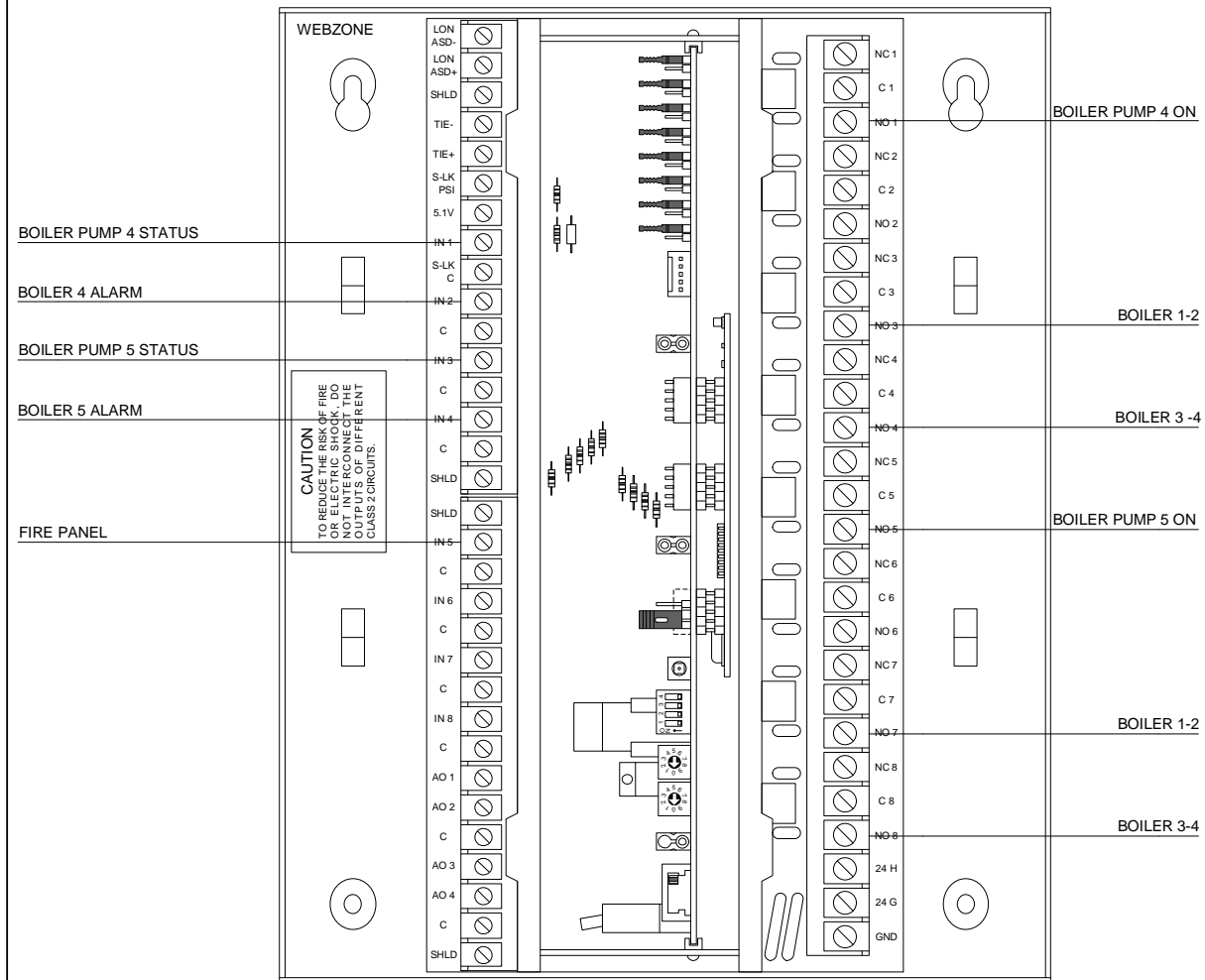
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 <b>AIR TEMP HEATING &amp; AIR CONDITIONING, INC.</b> A LINC SERVICE @ CONTRACTOR			
<b>BOILER PLANT CONTROLLERS 01</b>			
REV: 1	As-Built	4/18/2011	JOB NO: P7809
 AUTOMATED LOGIC CORPORATION			CHECK BY: RSL
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# BOILER PLANT CONTROLLERS 02

## Bill of Materials

DID	DESCRIPTION	MANUFACTURER	PART NUMBER	QTY
WEBZONE	WEBZONE	AUTOMATED LOGIC	WEBZONE	1 ea

2411-20



OWEGO APALACHIN SCHOOLS

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 **AIR TEMP HEATING & AIR CONDITIONING, INC.**  
A LINC SERVICE @ CONTRACTOR

BOILER PLANT CONTROLLERS 02

REV: 1	As-Built	4/18/2011	JOB NO: P7809
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**AUTOMATED LOGIC**  
CORPORATION

CHECK BY: RSL

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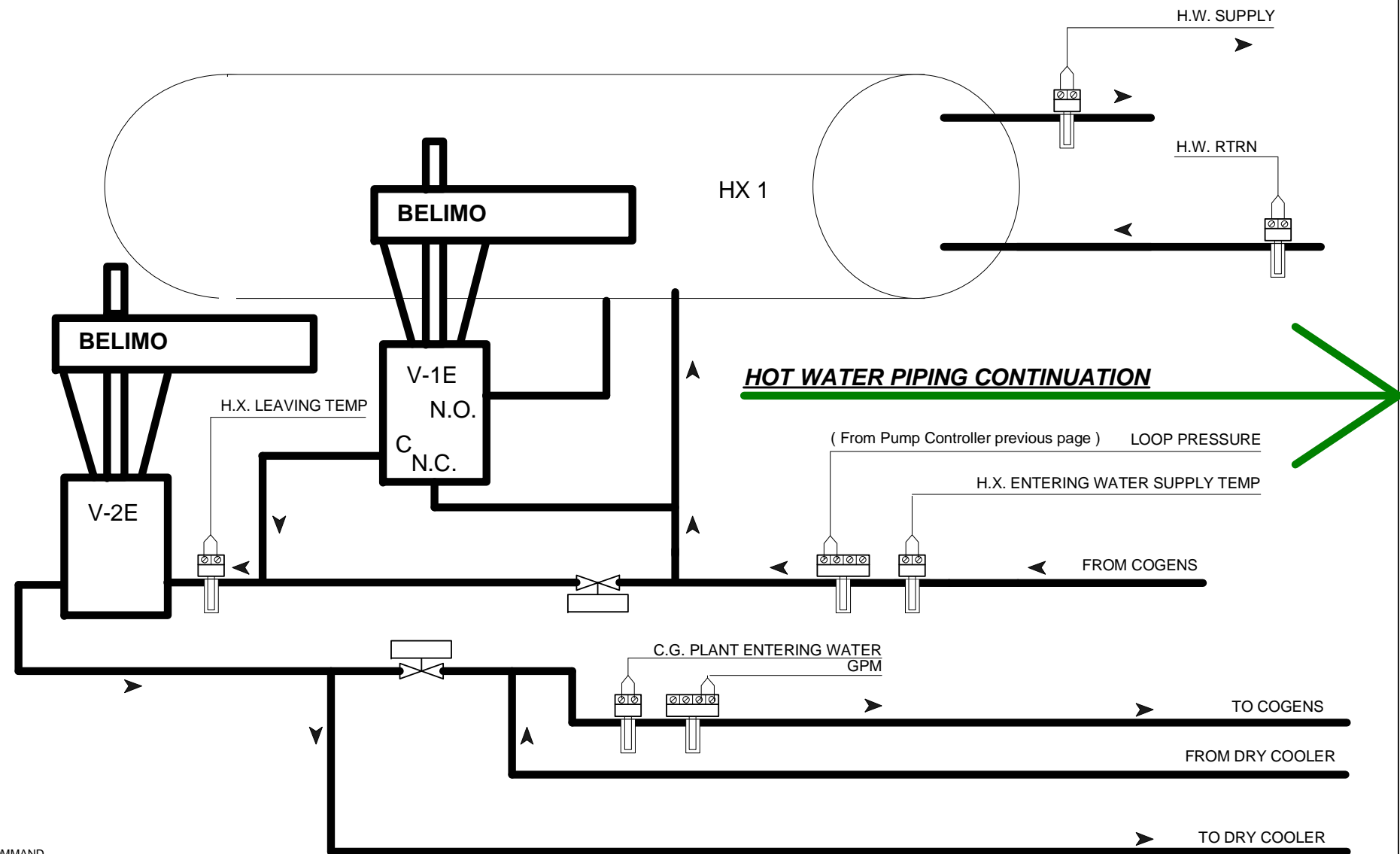
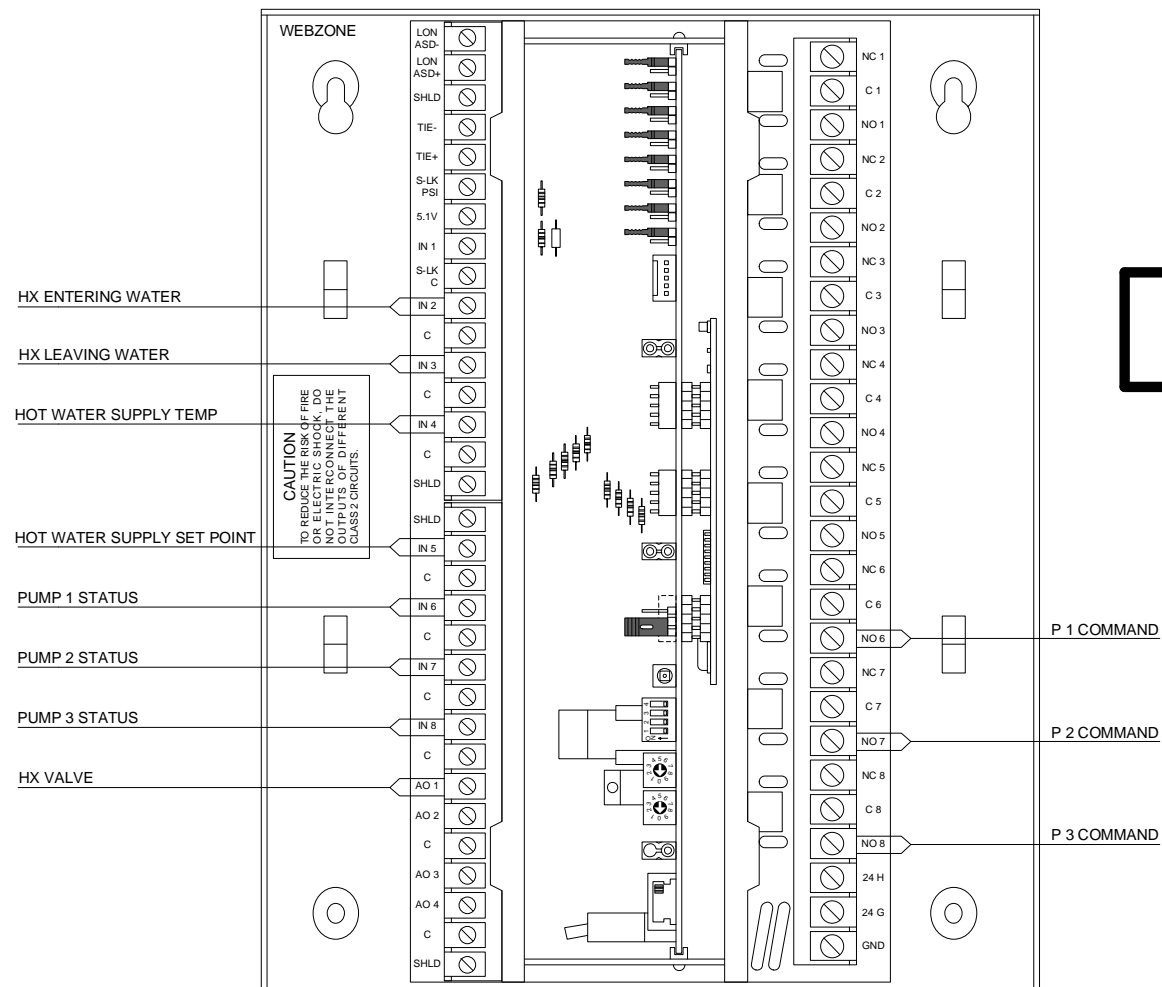
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# HX COGEN TO HW LOOP

Bill of Materials				
DID	DESCRIPTION	MANUFACTURER	PART NUMBER	QTY
WEBZONE	WEBZONE	AUTOMATED LOGIC	WEBZONE	1 ea

2411-16



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HX COGEN TO HW LOOP

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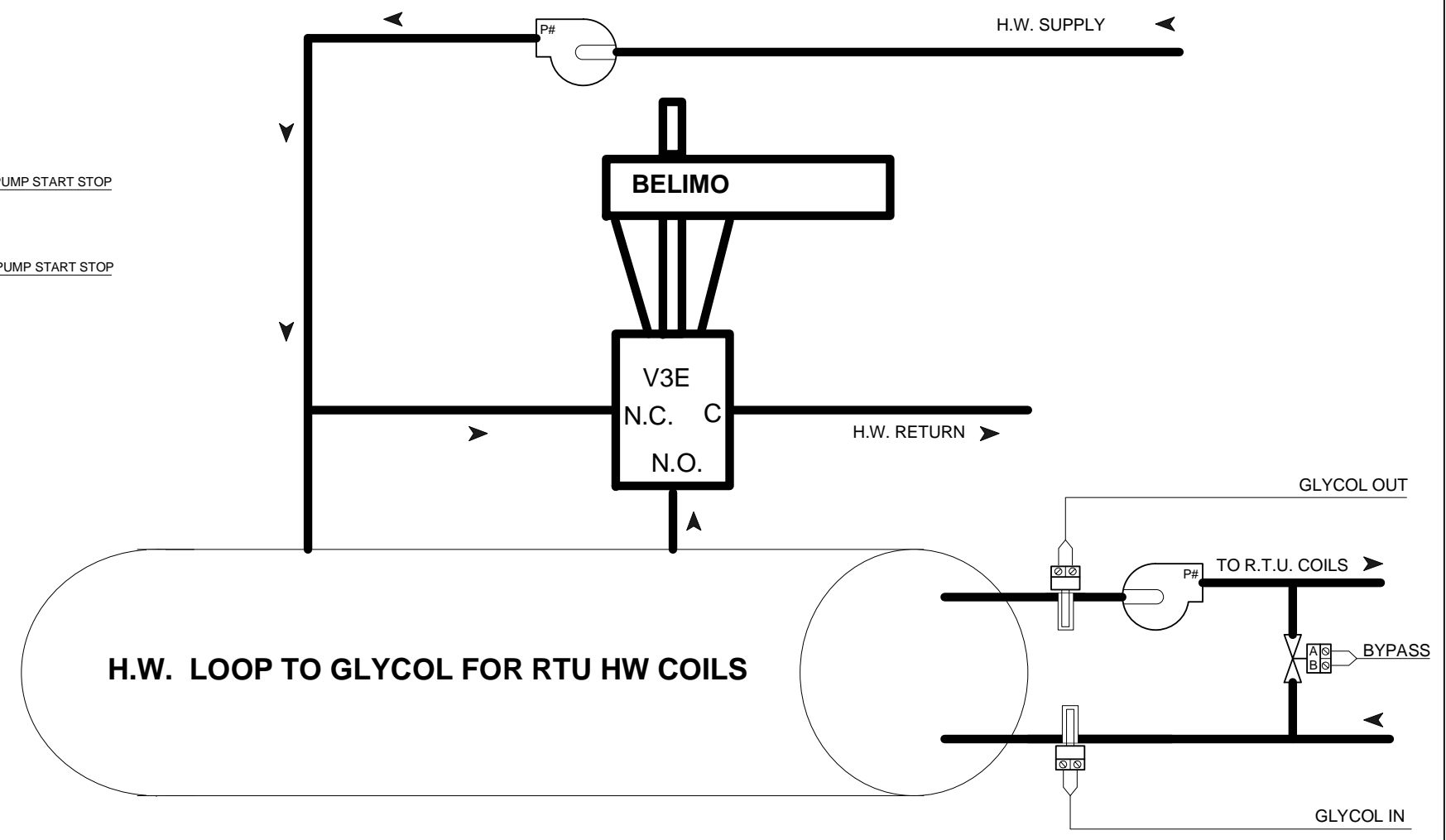
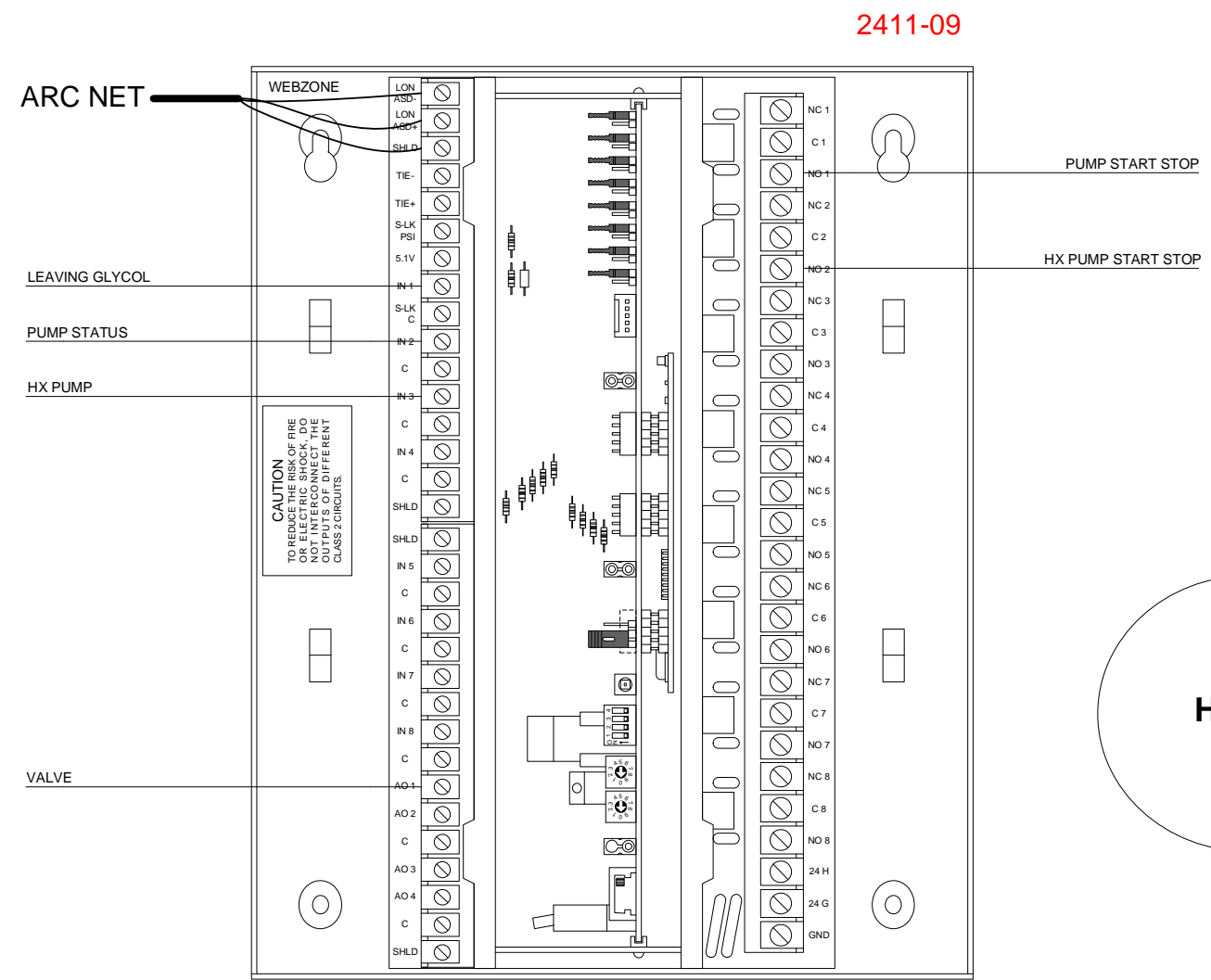
CHECK BY: RSL  
DSCODE: 07112.00

**AUTOMATED LOGIC**  
CORPORATION

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# HX RTU HEAT COILS

Bill of Materials				
DID	DESCRIPTION	MANUFACTURER	PART NUMBER	QTY
WEBZONE	WEBZONE	AUTOMATED LOGIC	WEBZONE	1 ea



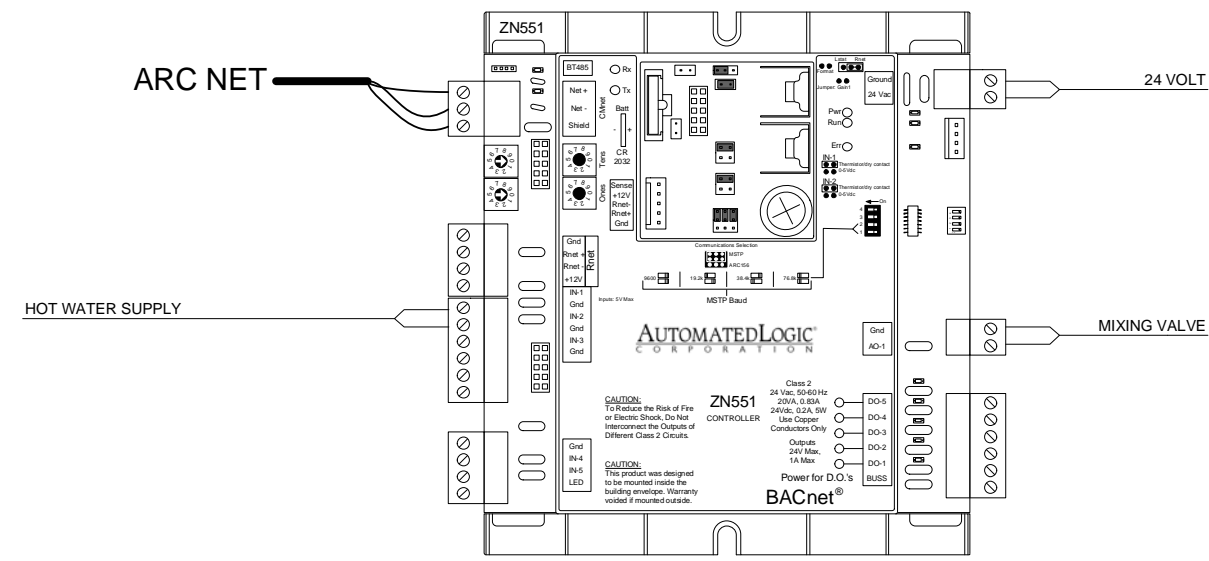
OWEGO APALACHIN SCHOOLS			
OWEGO, New York			
 AIR TEMP HEATING & AIR CONDITIONING, INC. A LINC SERVICE @ CONTRACTOR			
HX RTU HEAT COILS			
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 AUTOMATED LOGIC CORPORATION			CHECK BY: RSL
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# ZONE LOOP PUMP STATIONS

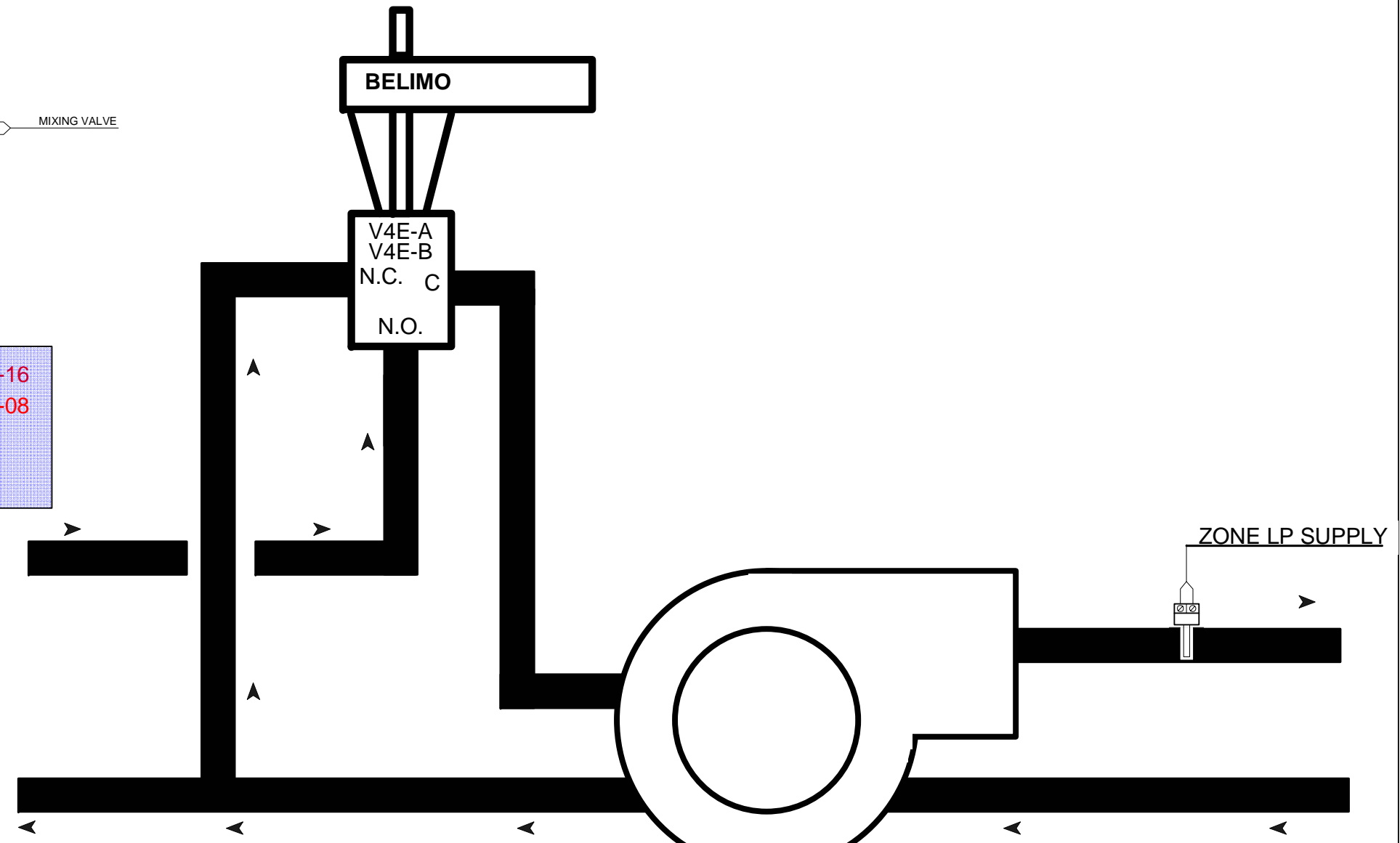
TYPICAL FOR 6

2411-32 2411-19  
 2411-33 2411-18  
 2411-34 2411-11

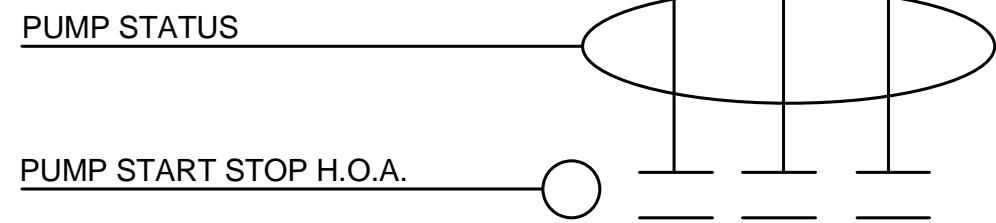
Bill of Materials				
DID	DESCRIPTION	MANUFACTURER	PART NUMBER	QTY
RIBU1C	RELAY	FUNCTIONAL DEVICES	RIBU1C	6 ea
RIBXKF	CURRENT SWITCH	FUNCTIONAL DEVICES	RIBXKF	6 ea
TR-AC	TRANSFORMER, MULTITAP 24VAC, 75VA	CORE COMPONENTS	LE1501	6 ea
W-A	TWP PART SS WELL 4IN.	BAPI	BA/4IN.	6 ea
ZN551	ZN551	AUTOMATED LOGIC	ZN551	6 ea
insert	INSERTION SENSE 2 4 INCH	ALPS	A/10K-CP-1-4	6 ea



PUMP START STOP H.O.A. COMES FROM WEBZONE 2411-16  
 2411-08  
 PUMP STATUS COMES FROM WEBZONE 2411-16  
 2411-08



RIBU1C  
 W-A  
 TR-AC  
 RIBXKF  
 INSERT



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 OWEGO, New York

**AIR TEMP HEATING & AIR CONDITIONING, INC.**  
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ZONE LOOP PUMP STATIONS

REV: 1	As-Built	4/18/2011	JOB NO: P7809
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**AUTOMATED LOGIC**  
 CORPORATION

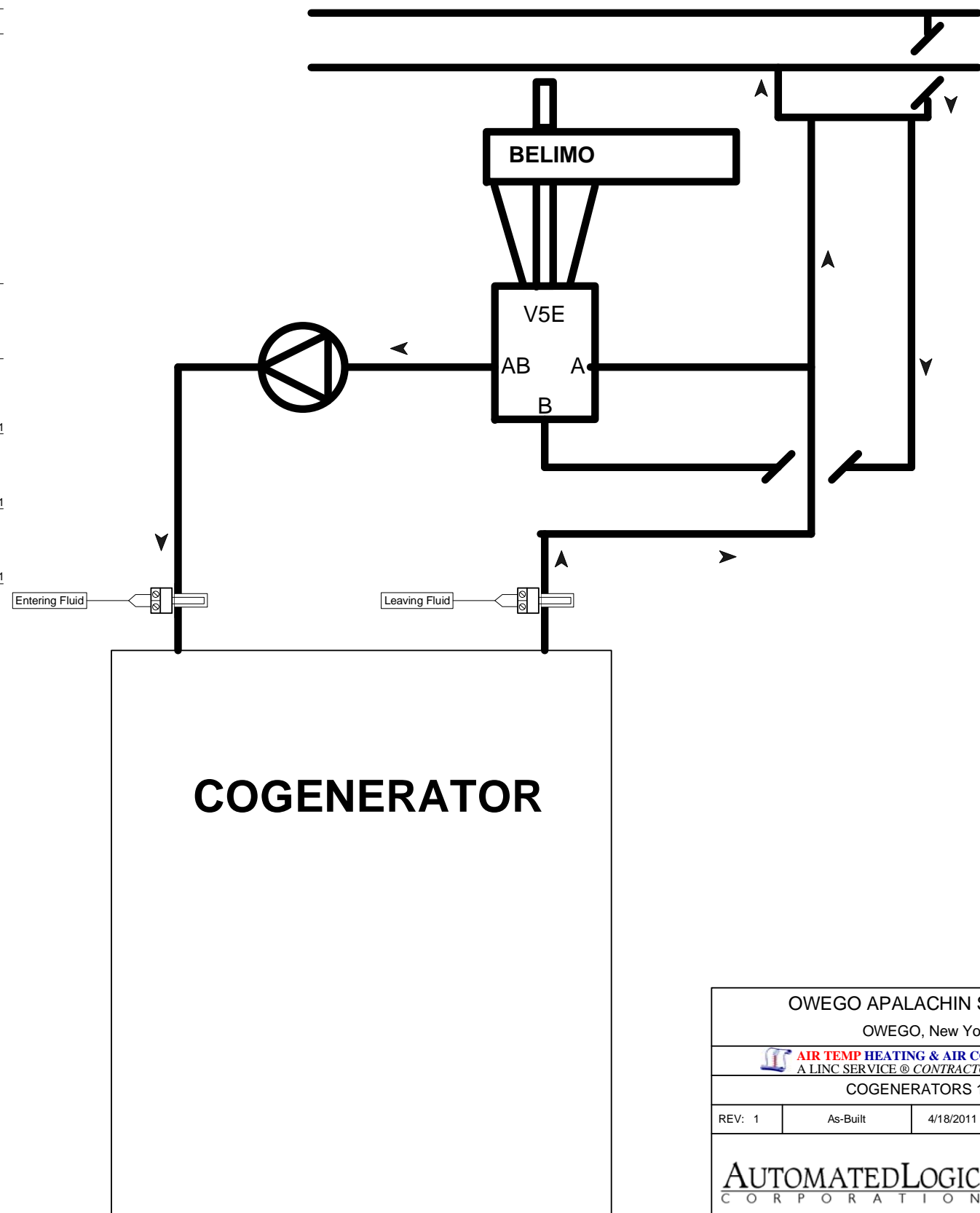
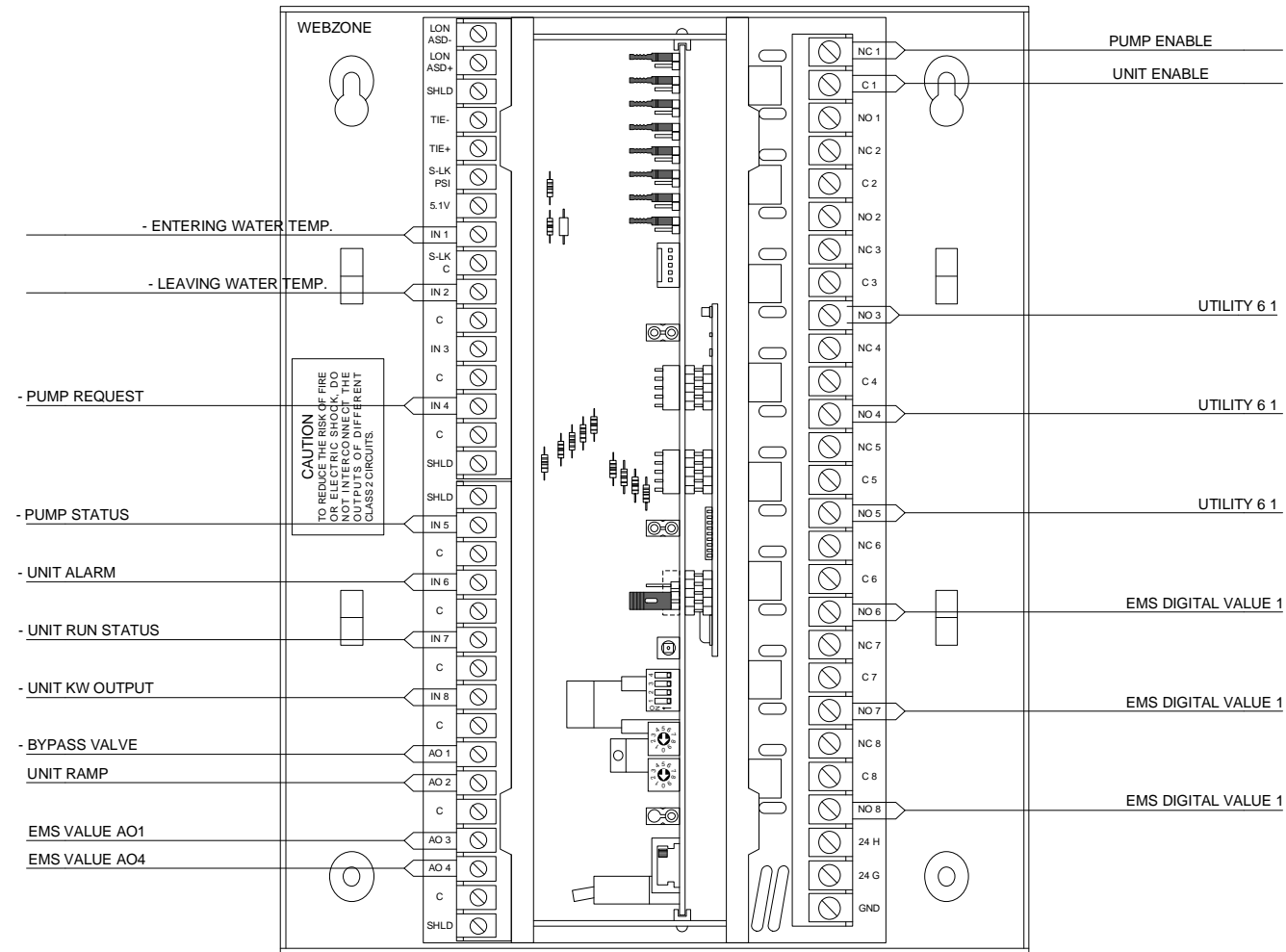
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# COGENERATORS 1,2,4

For 1,2,4

2411-10  
2411-12  
2411-14

Bill of Materials				
DID	DESCRIPTION	MANUFACTURER	PART NUMBER	QTY
WEBZONE	WEBZONE	AUTOMATED LOGIC	WEBZONE	5 ea

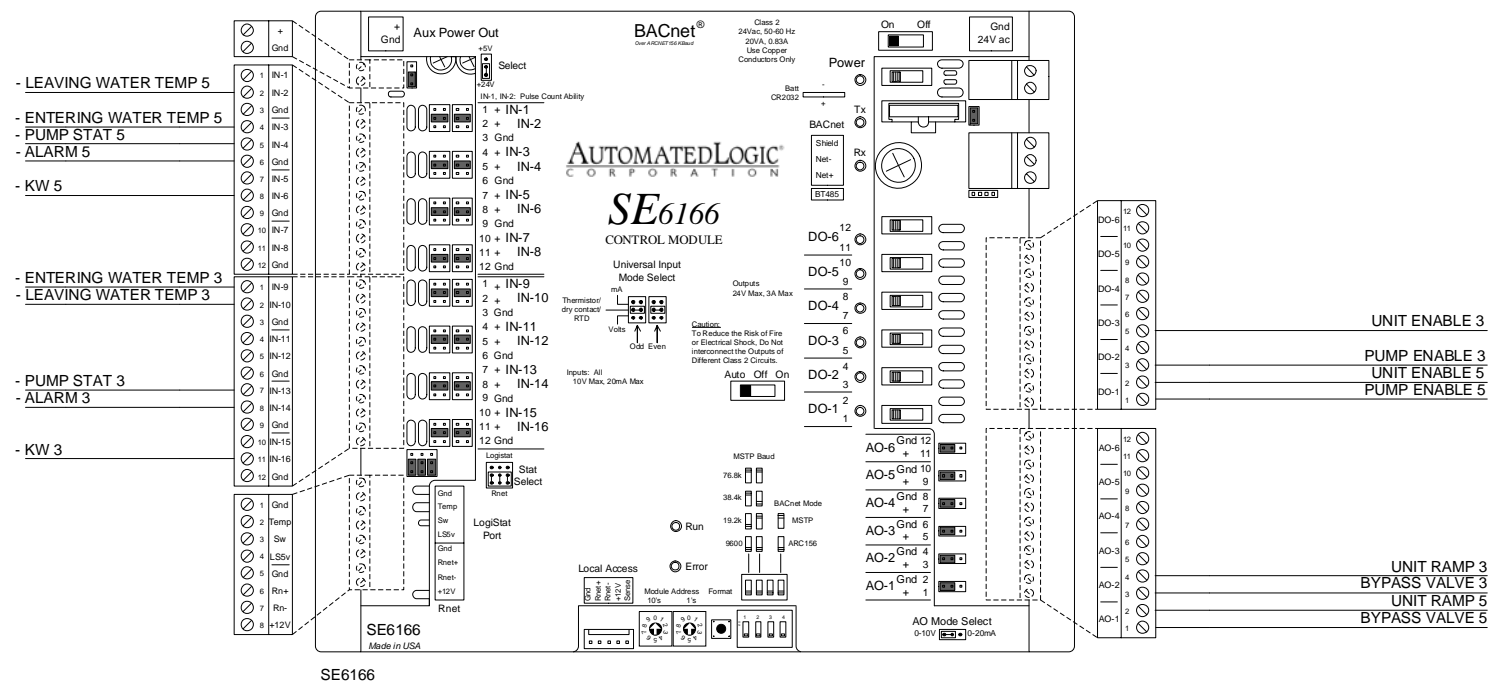


OWEGO APALACHIN SCHOOLS			
OWEGO, New York			
 A LINC SERVICE @ CONTRACTOR			
COGENERATORS 1,2,4			
REV: 1	As-Built	4/18/2011	JOB NO: P7809
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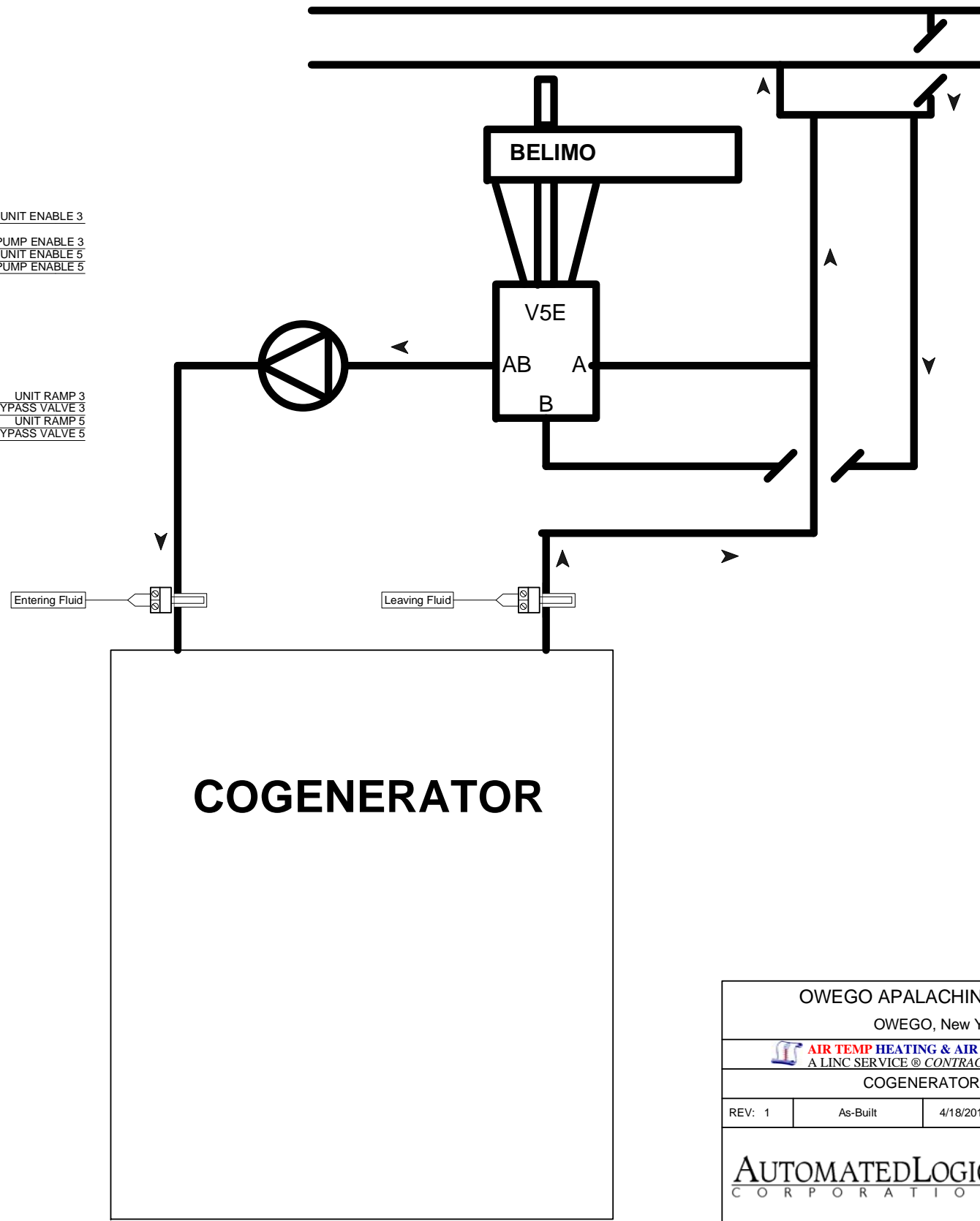
# COGENERATORS 3,5

For 3,5

2411-11



Bill of Materials				
DID	DESCRIPTION	MANUFACTURER	PART NUMBER	QTY
SE6166	SE6166	AUTOMATED LOGIC	SE6166	2 ea



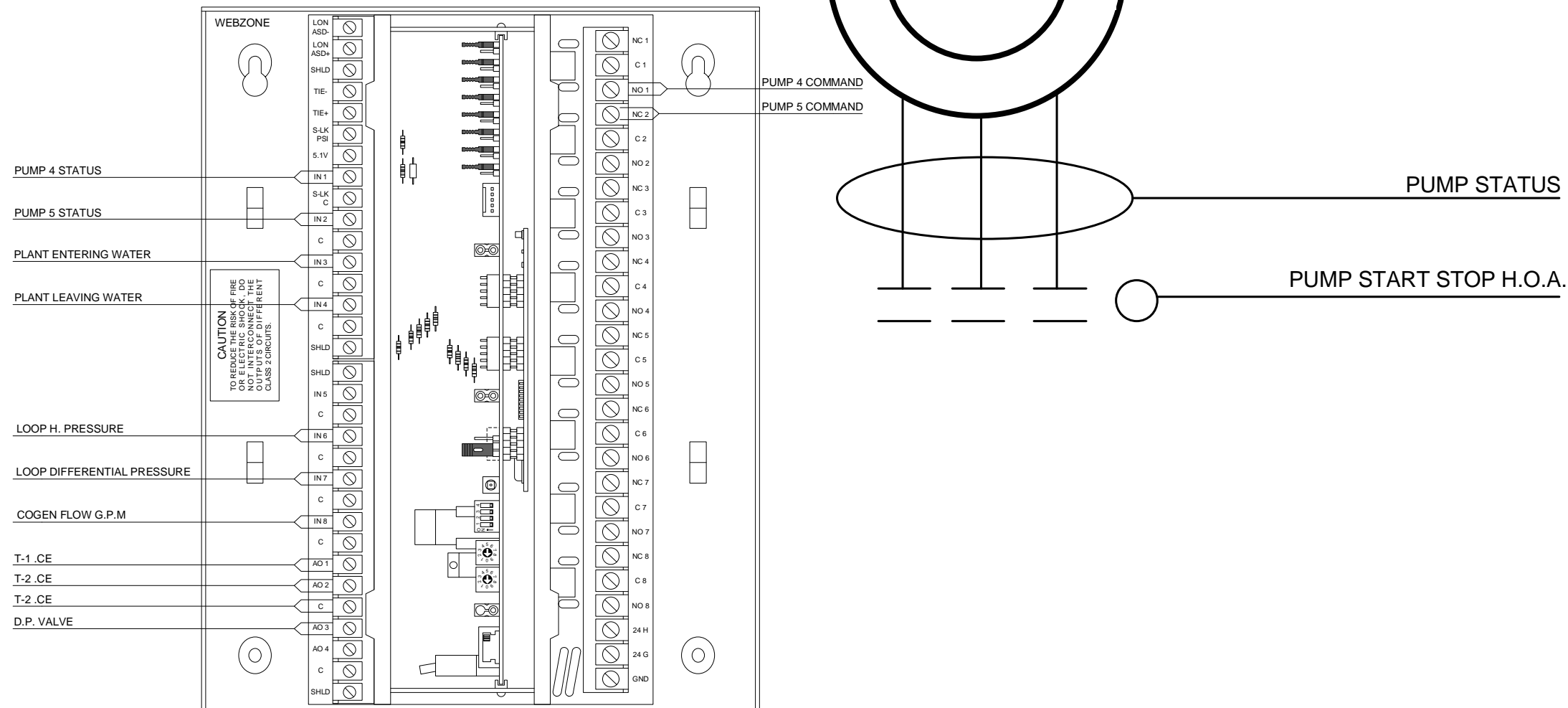
OWEGO APALACHIN SCHOOLS			
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COGENERATORS 3,5			
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# COGEN LOOP PUMPS

## Bill of Materials

DID	DESCRIPTION	MANUFACTURER	PART NUMBER	QTY
WEBZONE	WEBZONE	AUTOMATED LOGIC	WEBZONE	1 ea

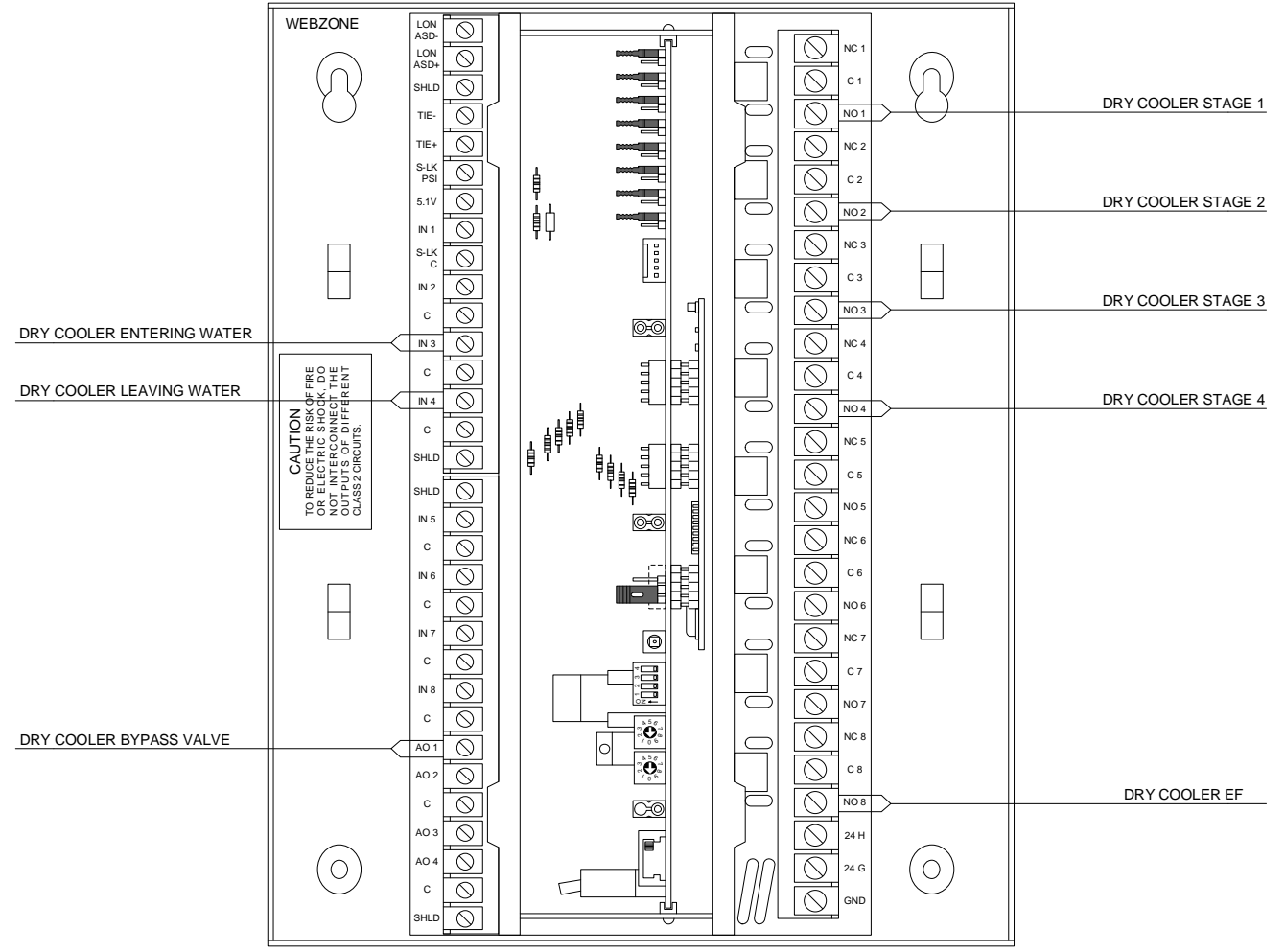
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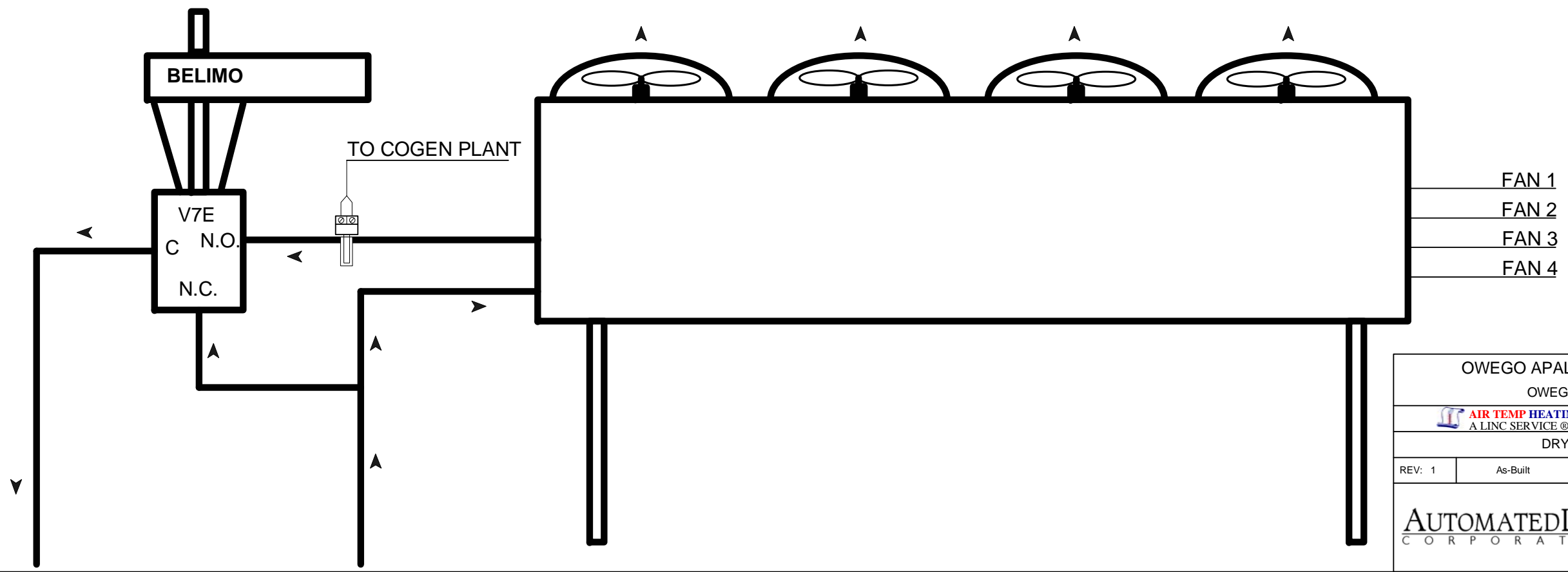
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OWEGO, New York			
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COGEN LOOP PUMPS			
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# DRY COOLER

Bill of Materials				
DID	DESCRIPTION	MANUFACTURER	PART NUMBER	QTY
WEBZONE	WEBZONE	AUTOMATED LOGIC	WEBZONE	1 ea



2411-15



OWEGO APALACHIN SCHOOLS  
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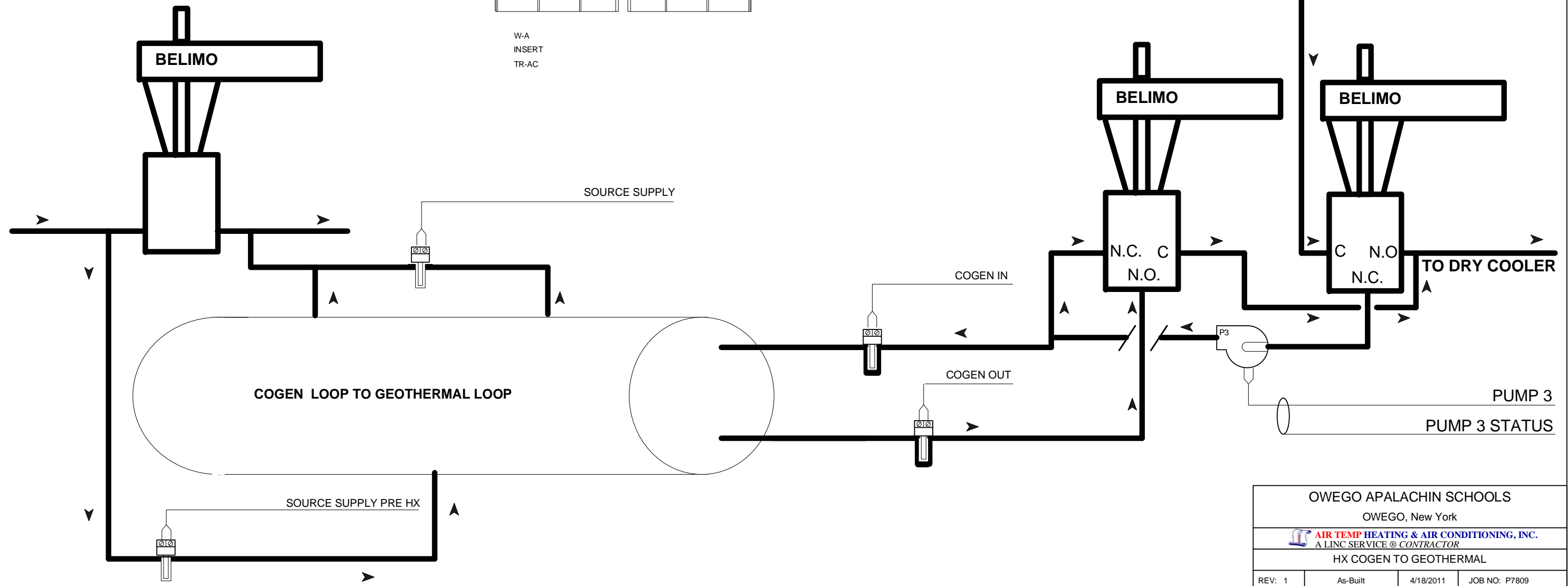
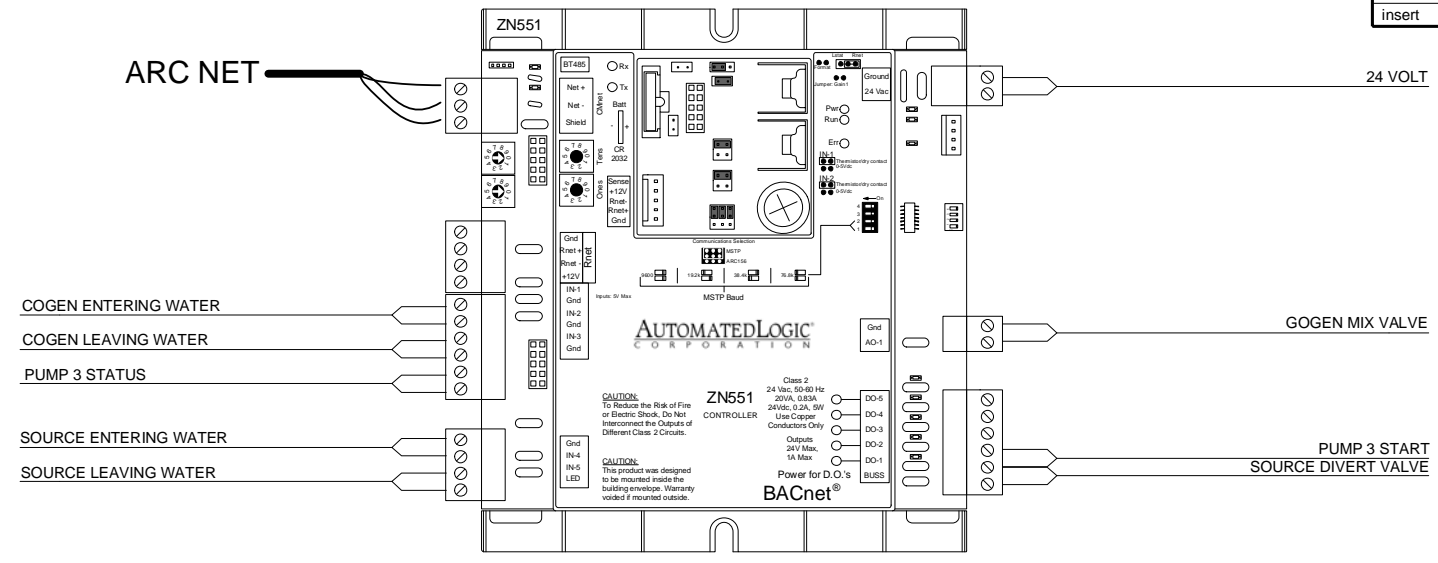
DRY COOLER

REV: 1	As-Built	4/18/2011	JOB NO: P7809
AUTOMATED LOGIC CORPORATION			CHECK BY: RSL
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# HX COGEN TO GEOTHERMAL

2413-02

Bill of Materials				
DID	DESCRIPTION	MANUFACTURER	PART NUMBER	QTY
TR-AC	TRANSFORMER, MULTITAP 24VAC, 75VA	CORE COMPONENTS	LE1501	1 ea
W-A	TWP PART SS WELL 4IN.	BAPI	BA/4IN.	4 ea
ZN551	ZN551	AUTOMATED LOGIC	ZN551	1 ea
Insert	INSERTION SENSE 2 4 INCH	ALPS	A/10K-CP-1-4	4 ea



OWEGO APALACHIN SCHOOLS  
OWEGO, New York

**AIR TEMP HEATING & AIR CONDITIONING, INC.**  
A LINC SERVICE @ CONTRACTOR

HX COGEN TO GEOTHERMAL

REV: 1	As-Built	4/18/2011	JOB NO: P7809
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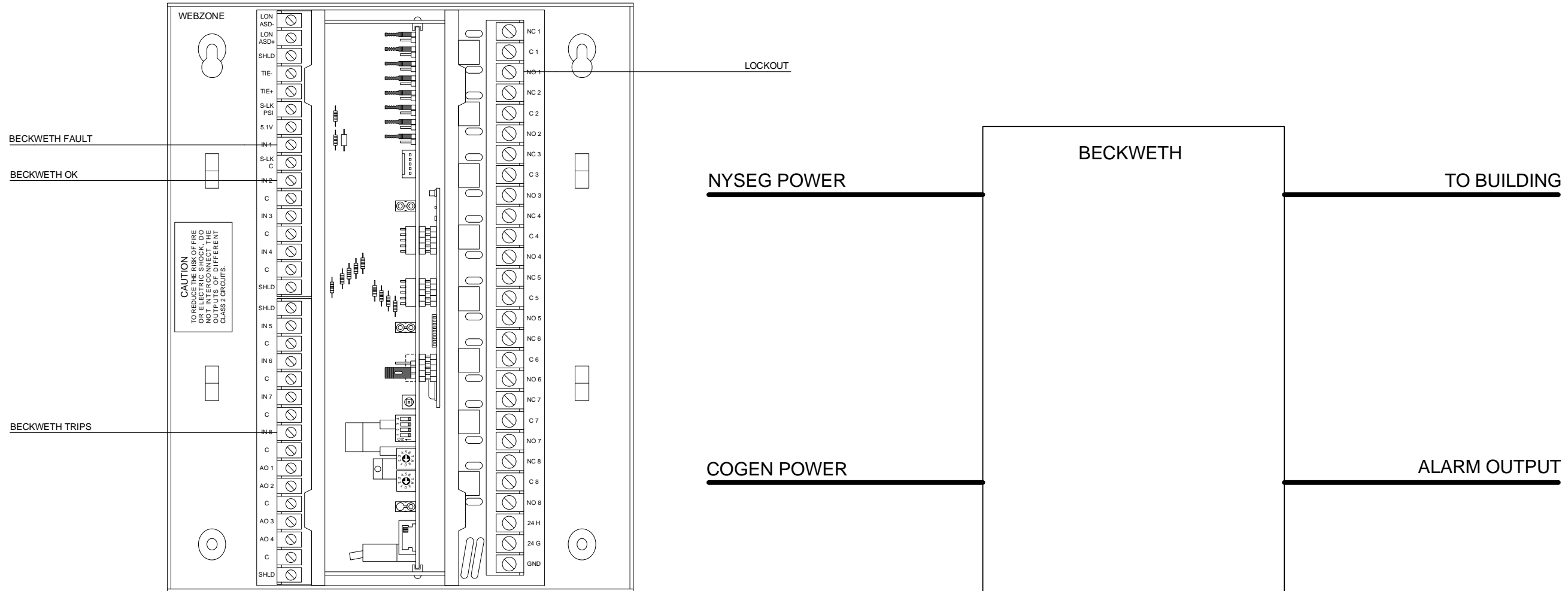
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DSCODE: 07112.00



**AUTOMATED LOGIC**  
CORPORATION

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DID	DESCRIPTION	MANUFACTURER	PART NUMBER	QTY
WEBZONE	WEBZONE	AUTOMATED LOGIC	WEBZONE	1 ea

THIS DEVICE MANAGES COGENERATED POWER



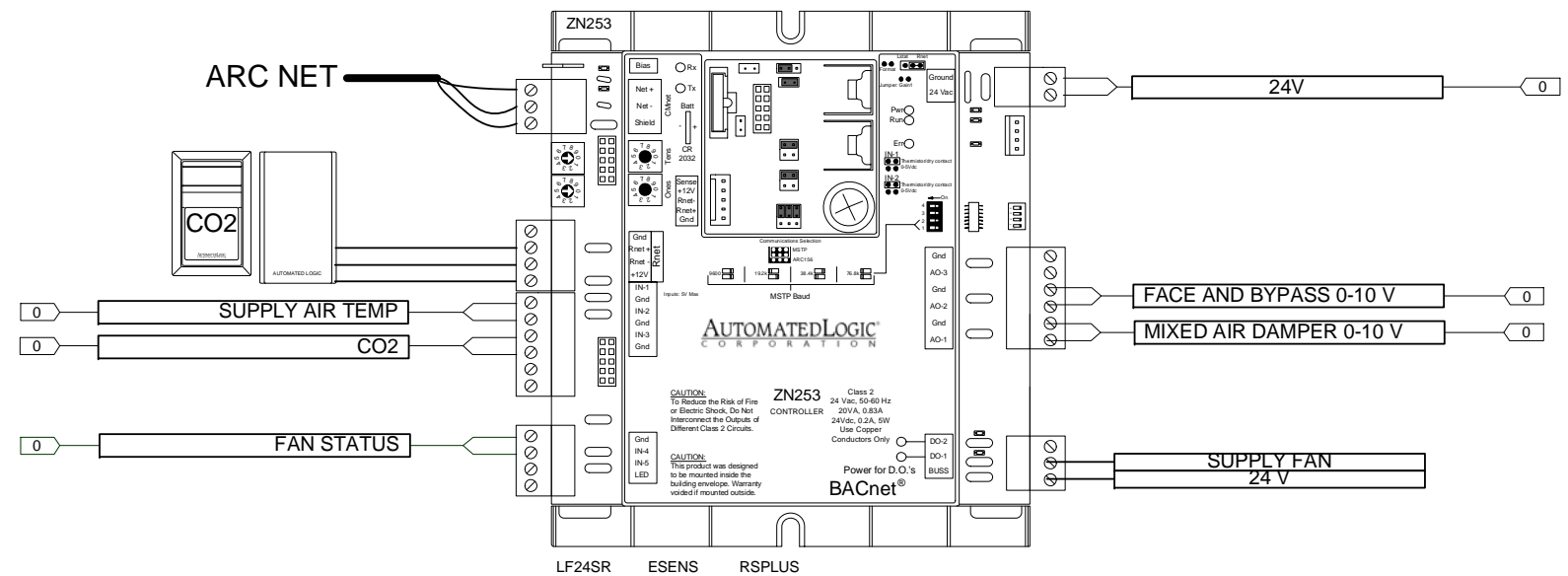
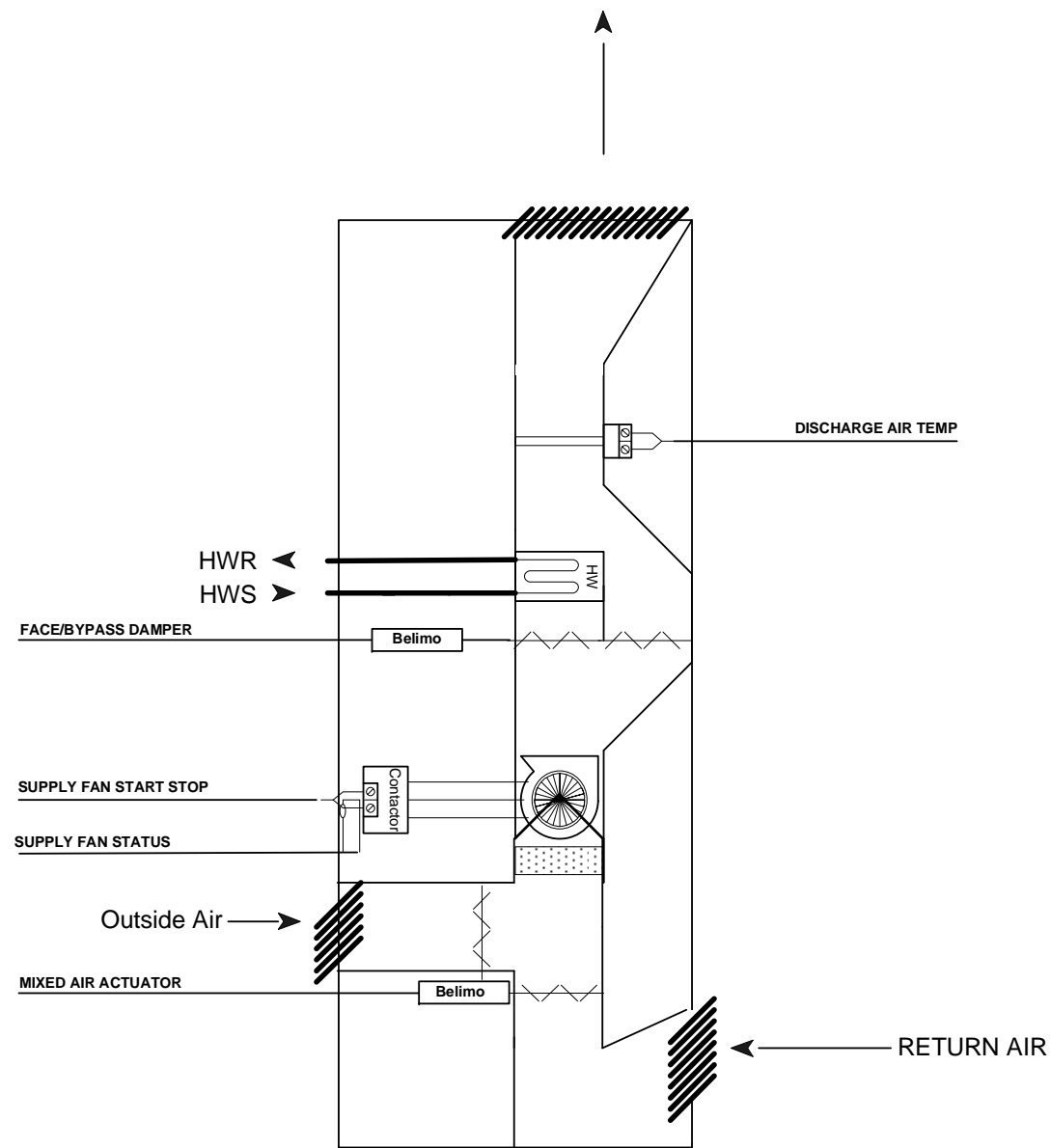
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 <b>AIR TEMP HEATING &amp; AIR CONDITIONING, INC.</b> A LINC SERVICE @ CONTRACTOR			
<b>BECKWETH</b>			
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# UNIT VENTILATOR H.S. EXISTING

TYPICAL FOR 56 UNIT VENTILATORS

## Bill of Materials

DID	DESCRIPTION	MANUFACTURER	PART NUMBER	QTY
ESENS	CO2	ESENSE	ESENS	53 ea
LF24SR	PROP ACT	BELIMO	LF24SR	106 ea
RSPLUS	SENSOR SP ADJ PB	ALC	RSPLUS	53 ea
ZN253	ZN253	AUTOMATED LOGIC	ZN253	53 ea



OWEGO APALACHIN SCHOOLS

OWEGO, New York

**AIR TEMP HEATING & AIR CONDITIONING, INC.**  
A LINC SERVICE @ CONTRACTOR

UNIT VENTILATOR H.S. EXISTING

REV: 1 | As-Built | 4/18/2011 | JOB NO: P7809

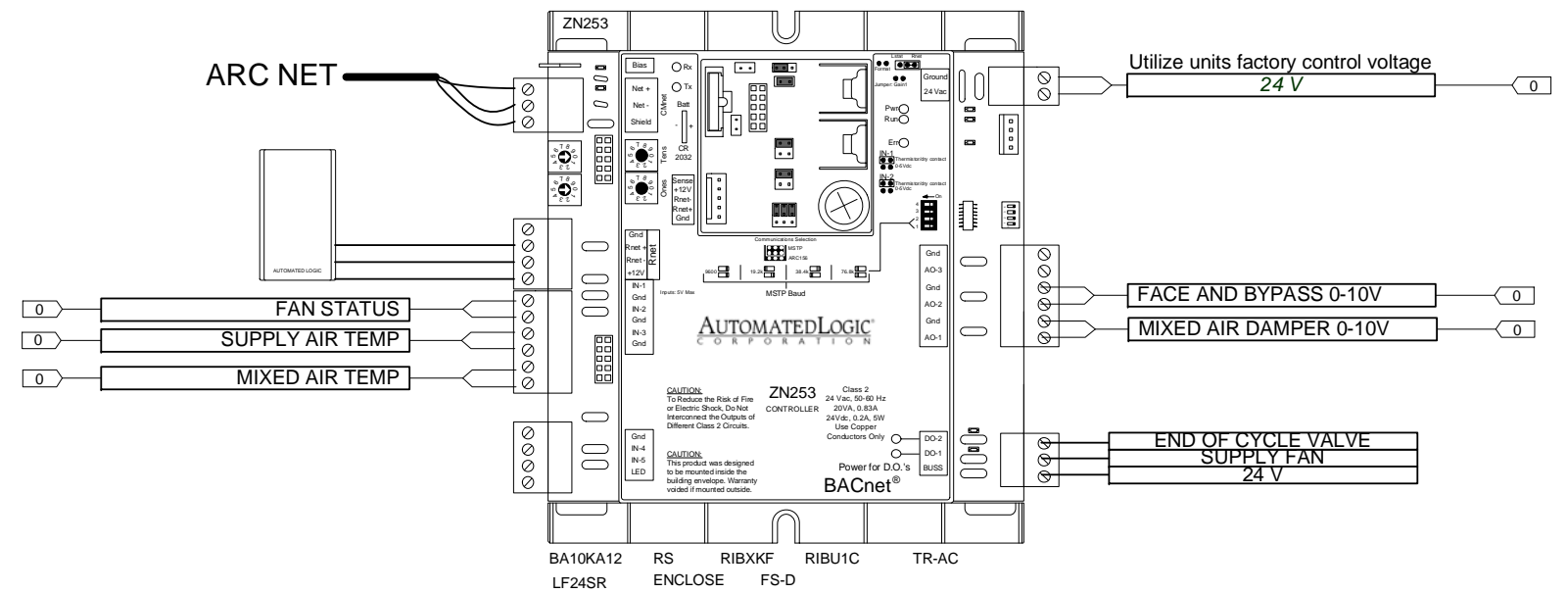
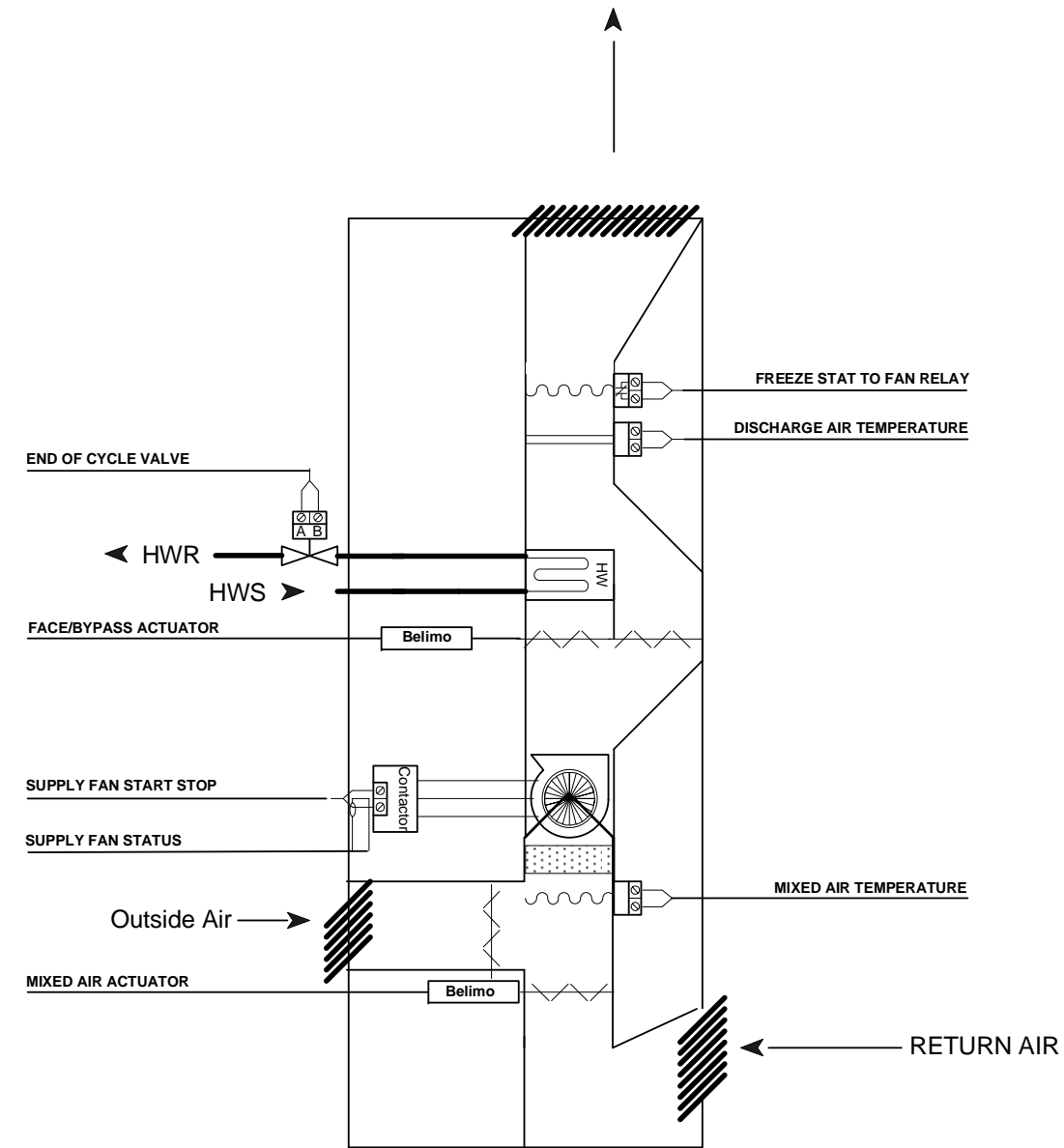
**AUTOMATEDLOGIC**  
CORPORATION

CHECK BY: RSL

DSCODE: 07112.00

# UNIT VENTILATORS NEW

Typical For 2 Existing Unit Ventilators Located in Locker Rooms



Bill of Materials				
DID	DESCRIPTION	MANUFACTURER	PART NUMBER	QTY
BA10KA12	SNSR	BAPI	BA10KA12	4 ea
ENCLOSE	ENCLOSURE	SPACEAGE	YM9051	2 ea
FS-D	TEMP LOW LIMIT MAN. RESET DPDT	LANDIS STEAFA	1341504	2 ea
LF24SR	PROP ACT	BELIMO	LF24SR	4 ea
RIBU1C	RELAY	FUNCTIONAL DEVICES	RIBU1C	2 ea
RIBXKF	CURRENT SWITCH	FUNCTIONAL DEVICES	RIBXKF	2 ea
RS	SENSOR	ALC	RS	2 ea
TR-AC	TRANSFORMER, MULTITAP 24VAC, 75VA	CORE COMPONENTS	LE1501	2 ea
ZN253	ZN253	AUTOMATED LOGIC	ZN253	1 ea

**OWEGO APALACHIN SCHOOLS**  
OWEGO, New York

**AIR TEMP HEATING & AIR CONDITIONING, INC.**  
A LINC SERVICE @ CONTRACTOR

**UNIT VENTILATORS NEW**

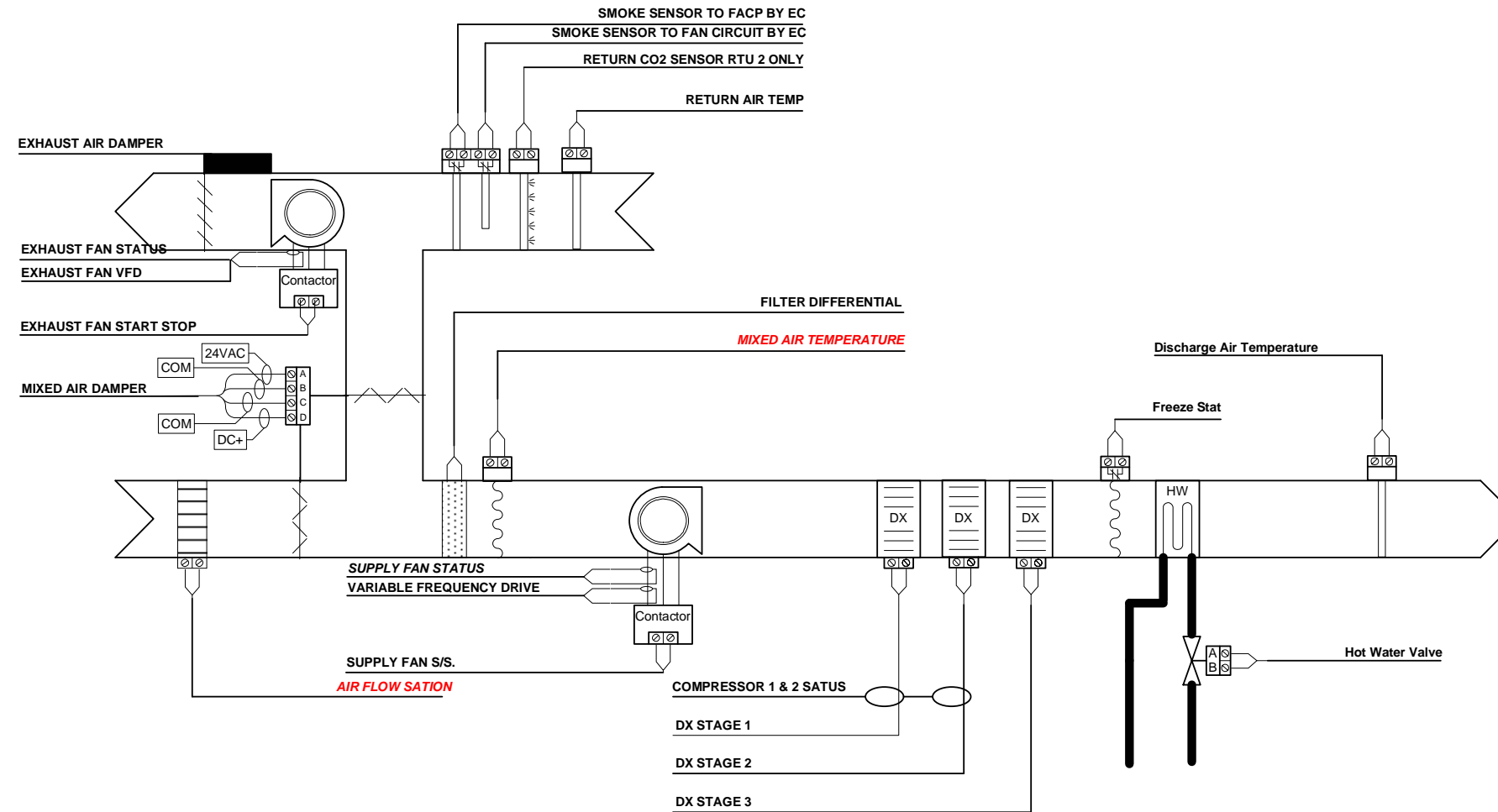
REV: 1	As-Built	4/18/2011	JOB NO: P7809
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CHECK BY: RSL  
DSCODE: 07112.00

**AUTOMATED LOGIC**  
CORPORATION



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# RTU 1 THRU 4

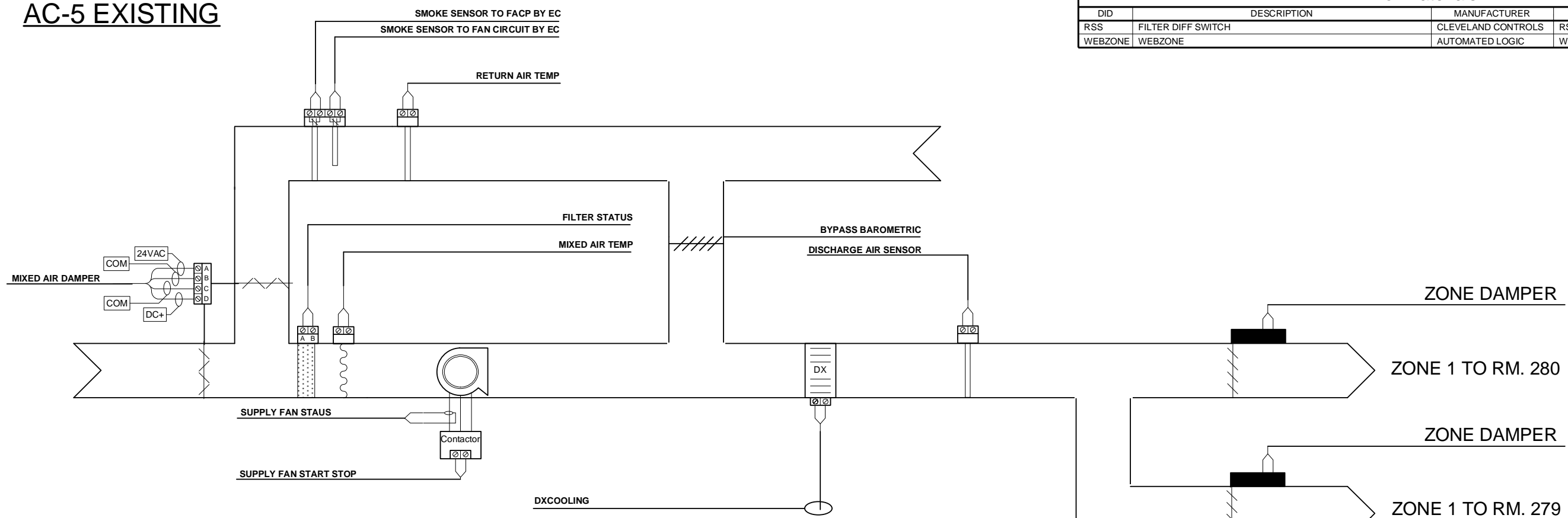


**Control Hardware Shown Is shipping Factory Installed in R.T.U.'s**

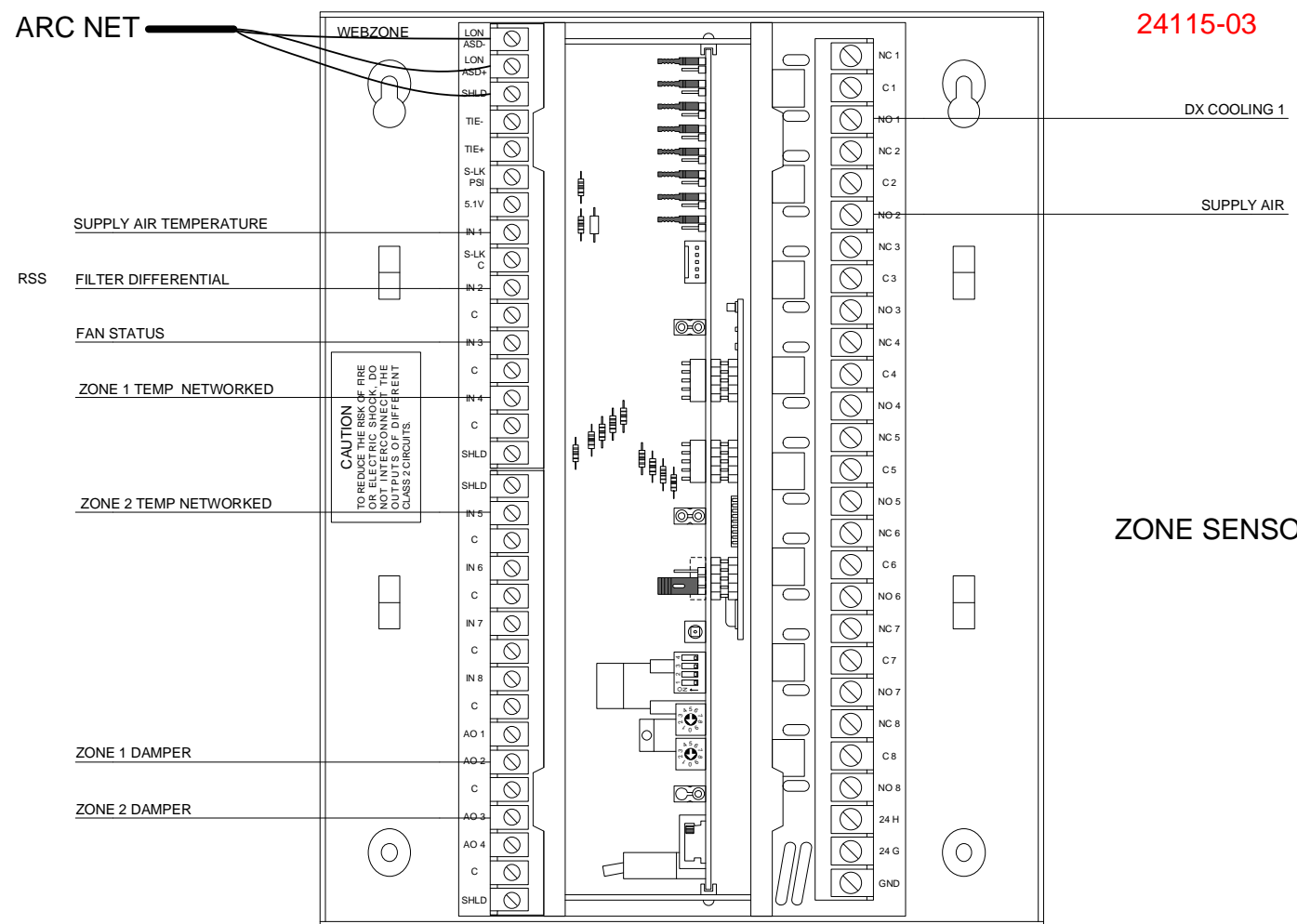
***Control Hardware Shown Italicized Is shipping Field Supplied and Installed in R.T.U.'s***

OWEGO APALACHIN SCHOOLS			
OWEGO, New York			
 <b>AIR TEMP HEATING &amp; AIR CONDITIONING, INC.</b> A LINC SERVICE @ CONTRACTOR			
RTU 1 THRU 4			
REV: 1	As-Built	4/18/2011	JOB NO: P7809
			CHECK BY: RSL
			DSCODE: 07112.00
			21 of 45

# AC-5 EXISTING



Bill of Materials				
DID	DESCRIPTION	MANUFACTURER	PART NUMBER	QTY
RSS	FILTER DIFF SWITCH	CLEVELAND CONTROLS	RSS-498-013	1 ea
WEBZONE	WEBZONE	AUTOMATED LOGIC	WEBZONE	1 ea



**OWEGO APALACHIN SCHOOLS**  
OWEGO, New York

**AIR TEMP HEATING & AIR CONDITIONING, INC.**  
A LINC SERVICE @ CONTRACTOR

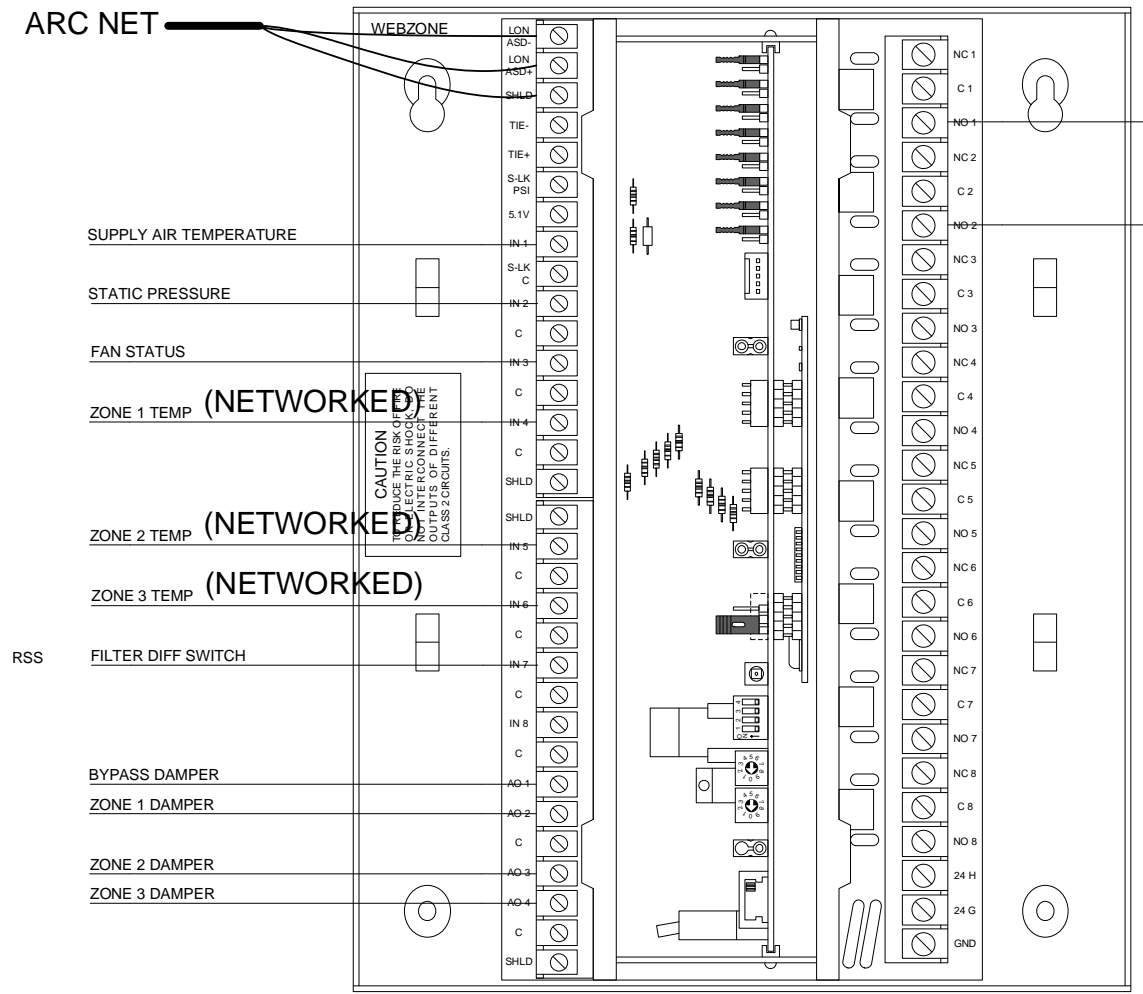
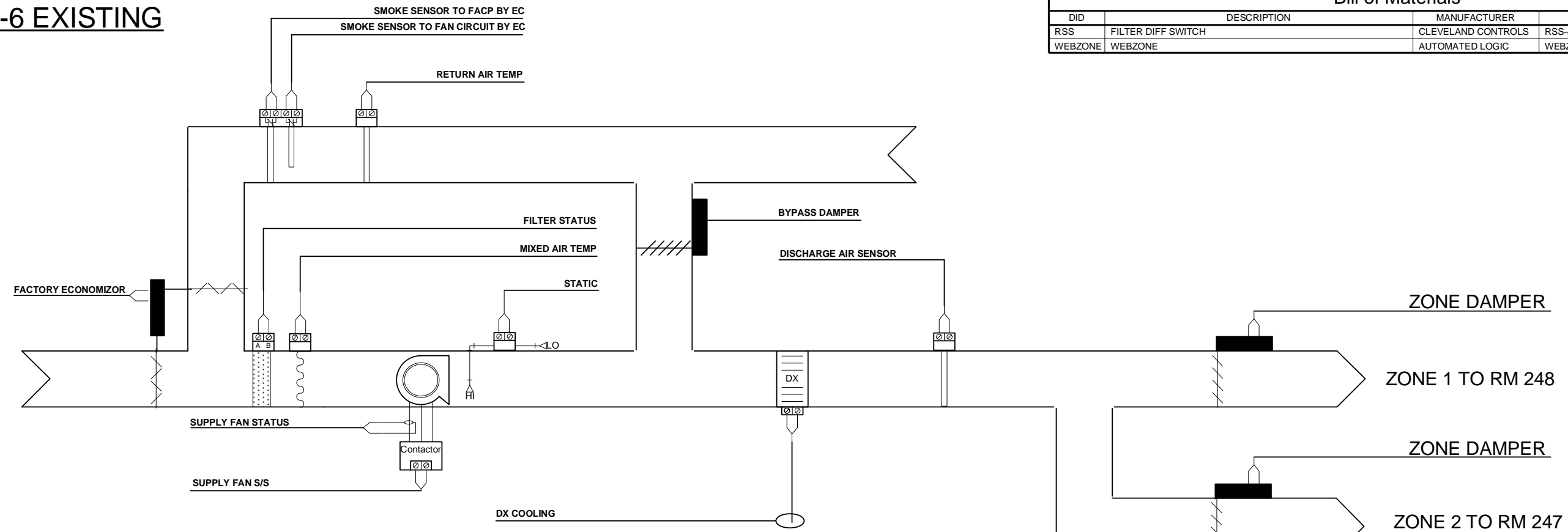
**AC-5 EXISTING**

REV: 1	As-Built	4/18/2011	JOB NO: P7809
<b>AUTOMATED LOGIC</b> CORPORATION			CHECK BY: RSL
			DSCODE: 07112.00

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# AC-6 EXISTING

Bill of Materials				
DID	DESCRIPTION	MANUFACTURER	PART NUMBER	QTY
RSS	FILTER DIFF SWITCH	CLEVELAND CONTROLS	RSS-498-013	1 ea
WEBZONE	WEBZONE	AUTOMATED LOGIC	WEBZONE	1 ea



24117-01

DX COOLING 1

SUPPLY AIR

ZONE SENSORS ARE SHARED WITH U.V. SENSORS

CAUTION: TO AVOID THE RISK OF ELECTRICAL SHOCK, DO NOT TOUCH THE TERMINALS OF DIFFERENT CLASS 2 CIRCUITS.

SUPPLY AIR TEMPERATURE

STATIC PRESSURE

FAN STATUS

ZONE 1 TEMP (NETWORKED)

ZONE 2 TEMP (NETWORKED)

ZONE 3 TEMP (NETWORKED)

RSS FILTER DIFF SWITCH

BYPASS DAMPER

ZONE 1 DAMPER

ZONE 2 DAMPER

ZONE 3 DAMPER

OWEGO APALACHIN SCHOOLS  
OWEGO, New York

**AIR TEMP HEATING & AIR CONDITIONING, INC.**  
A LINC SERVICE @ CONTRACTOR

AC-6 EXISTING

REV: 1	As-Built	4/18/2011	JOB NO: P7809
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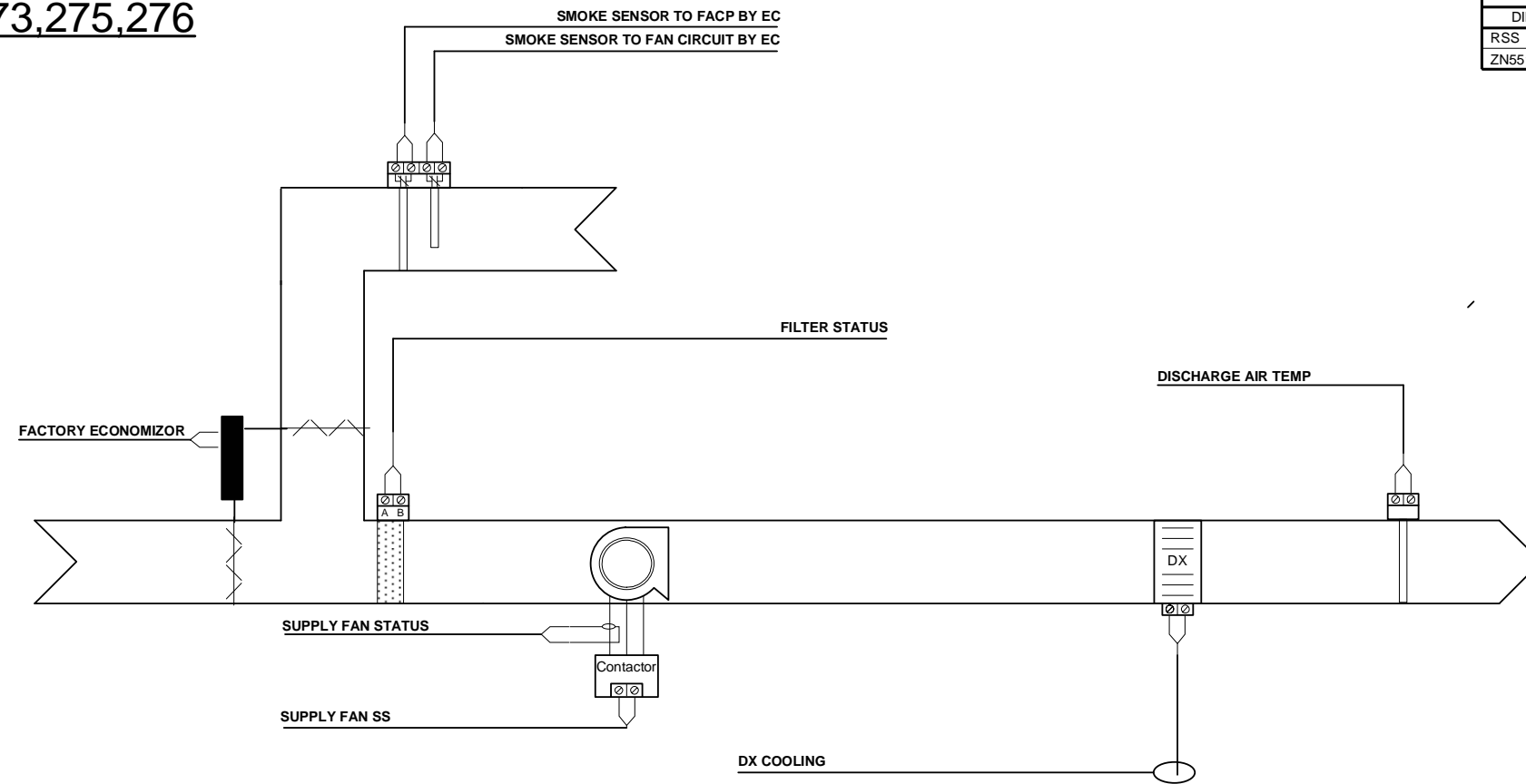
CHECK BY: RSL

**AUTOMATED LOGIC**  
CORPORATION

DSCODE: 07112.00

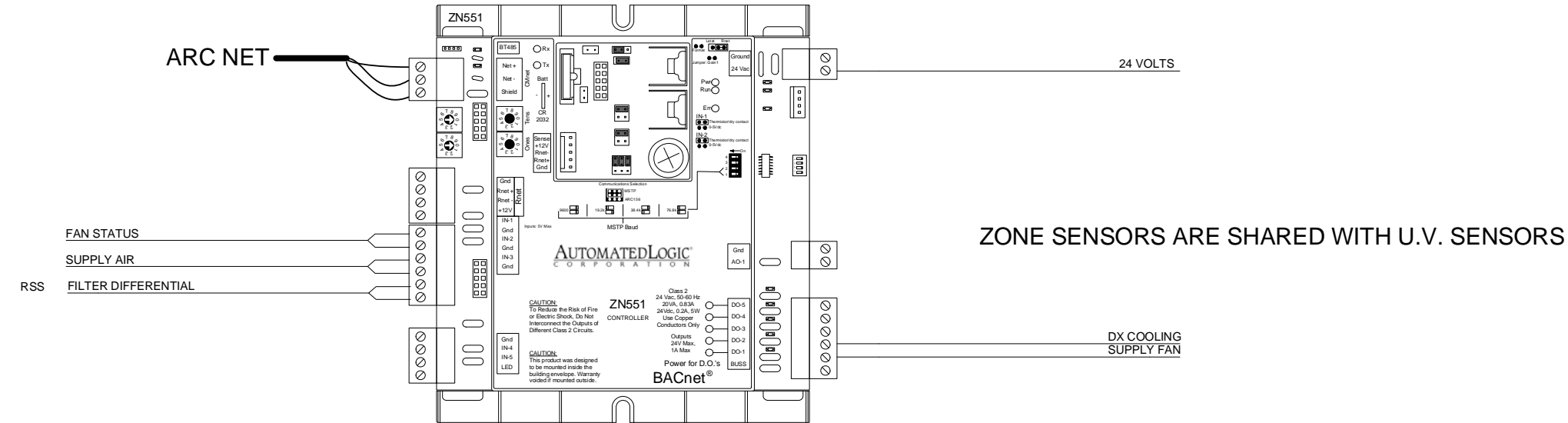
23 of 45

RTU 273,275,276



Bill of Materials				
DID	DESCRIPTION	MANUFACTURER	PART NUMBER	QTY
RSS	FILTER DIFF SWITCH	CLEVELAND CONTROLS	RSS-498-013	3 ea
ZN551	ZN551	AUTOMATED LOGIC	ZN551	3 ea

24115-14  
24115-15  
24115-18



**OWEGO APALACHIN SCHOOLS**  
OWEGO, New York

**AIR TEMP HEATING & AIR CONDITIONING, INC.**  
A LINC SERVICE @ CONTRACTOR

RTU 273,275,276

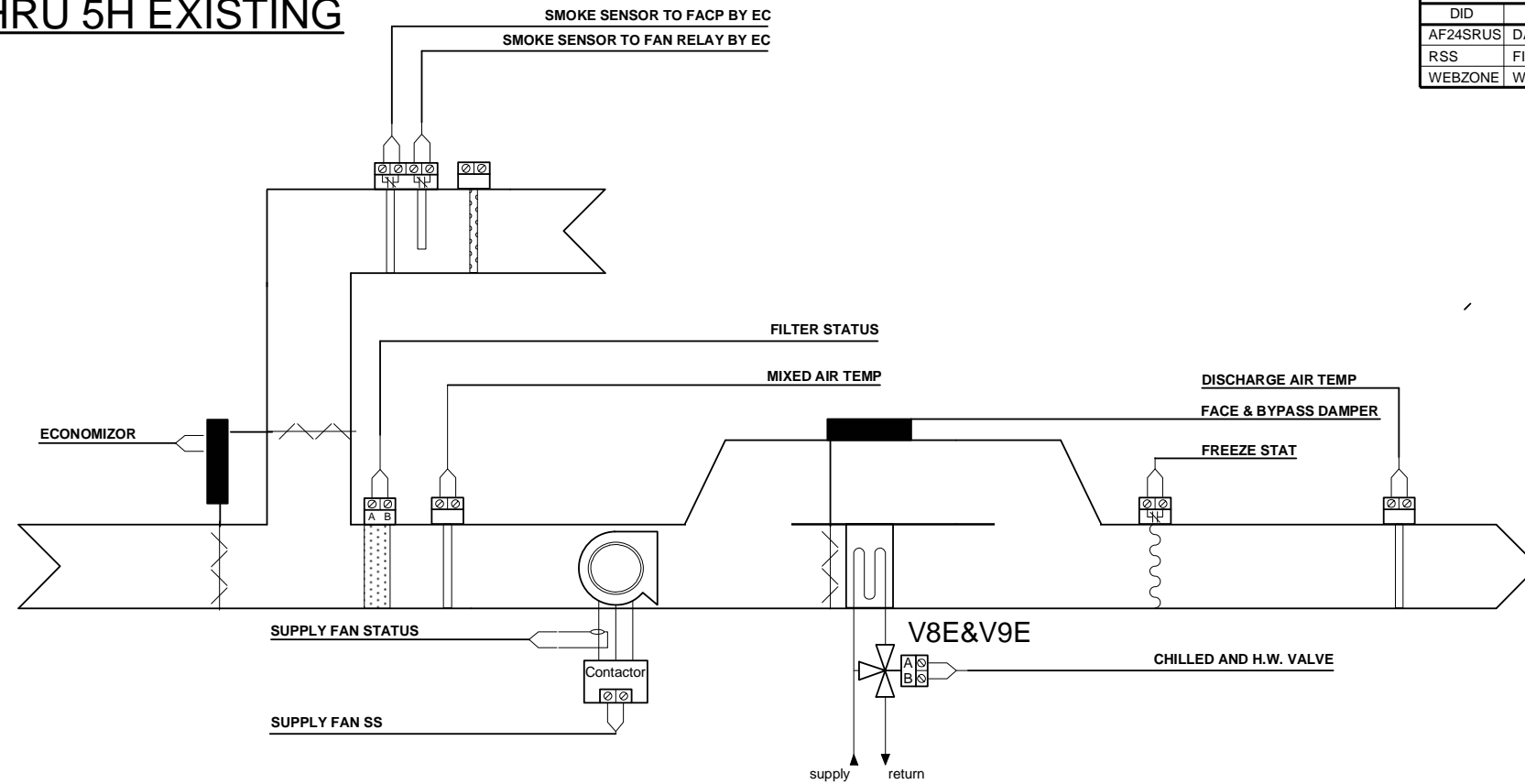
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CHECK BY: RSL  
DSCODE: 07112.00

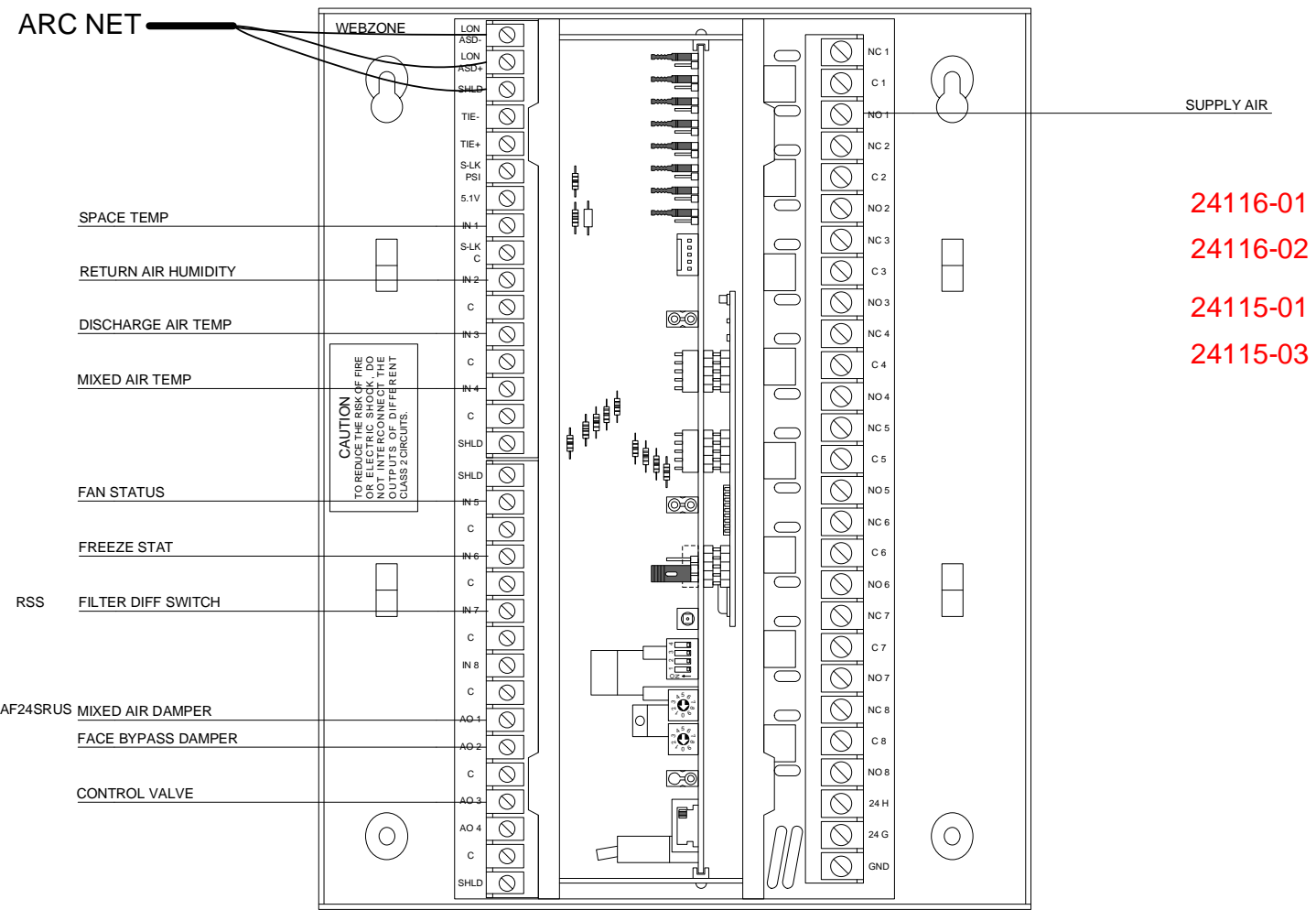
**AUTOMATED LOGIC CORPORATION**

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# RTU 1H THRU 5H EXISTING



Bill of Materials				
DID	DESCRIPTION	MANUFACTURER	PART NUMBER	QTY
AF24SRUS	DAMPER ACT.	BELIMO	AF24SRUS	10 ea
RSS	FILTER DIFF SWITCH	CLEVELAND CONTROLS	RSS-498-013	5 ea
WEBZONE	WEBZONE	AUTOMATED LOGIC	WEBZONE	5 ea



**OWEGO APALACHIN SCHOOLS**  
OWEGO, New York

**AIR TEMP HEATING & AIR CONDITIONING, INC.**  
A LINC SERVICE @ CONTRACTOR

**RTU 1H THRU 5H EXISTING**

REV: 1	As-Built	4/18/2011	JOB NO: P7809
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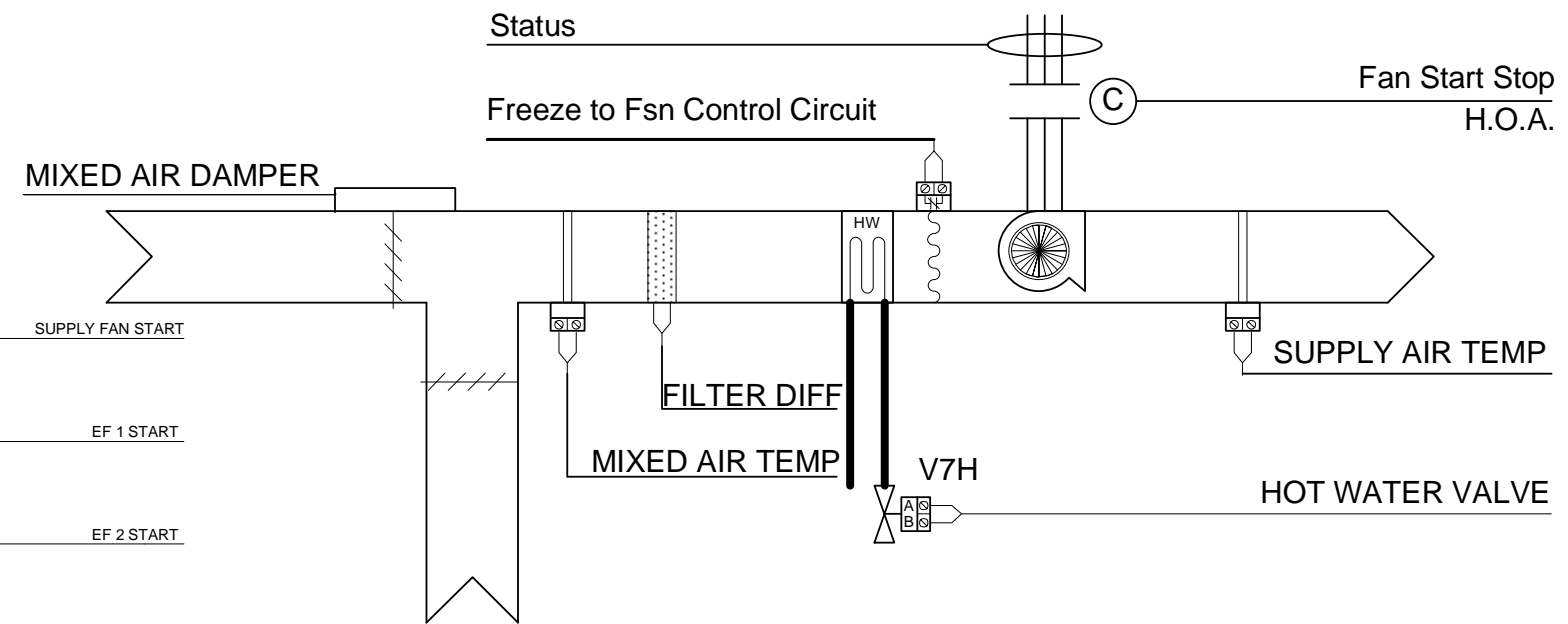
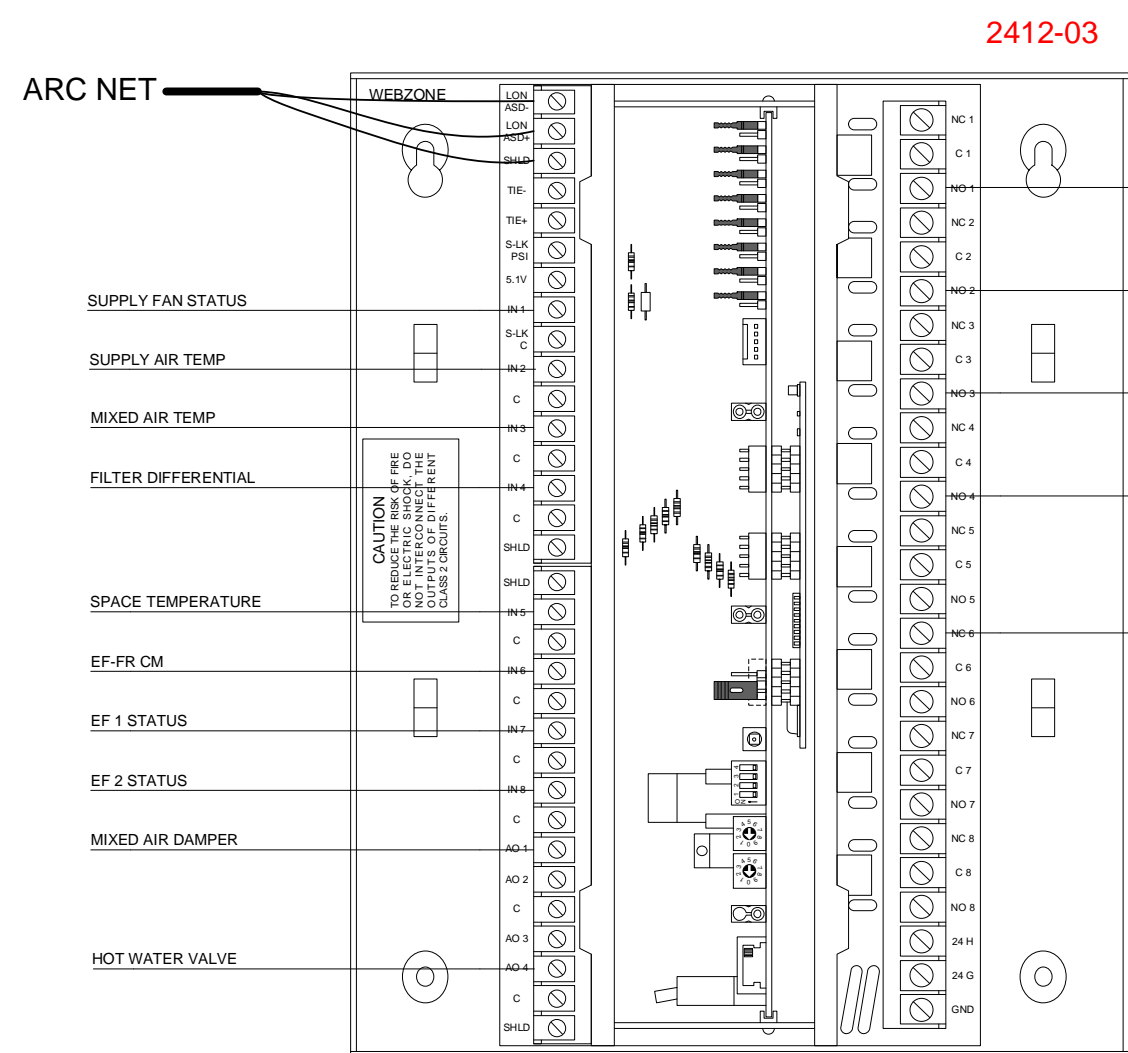
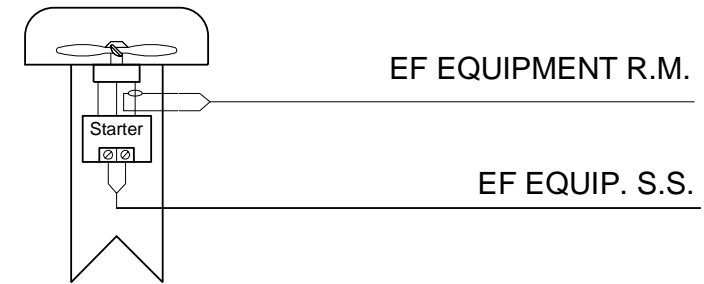
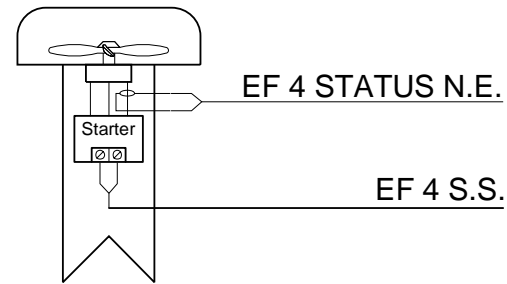
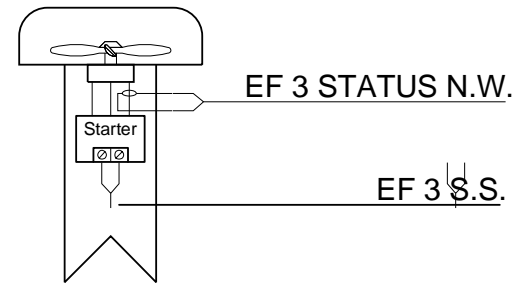
CHECK BY: RSL  
DSCODE: 07112.00

**AUTOMATED LOGIC**  
CORPORATION

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# HVU 01

Bill of Materials				
DID	DESCRIPTION	MANUFACTURER	PART NUMBER	QTY
WEBZONE	WEBZONE	AUTOMATED LOGIC	WEBZONE	1 ea



OWEGO APALACHIN SCHOOLS  
OWEGO, New York

**AIR TEMP HEATING & AIR CONDITIONING, INC.**  
A LINC SERVICE @ CONTRACTOR

HVU 01

REV: 1	As-Built	4/18/2011	JOB NO: P7809
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CHECK BY: RSL

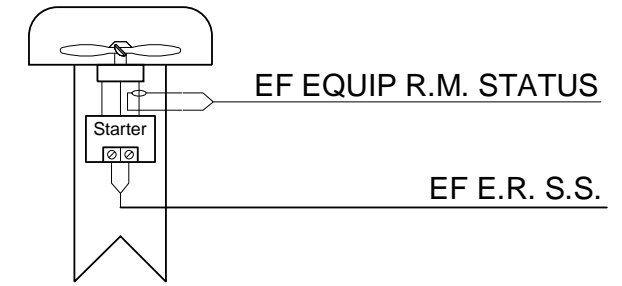
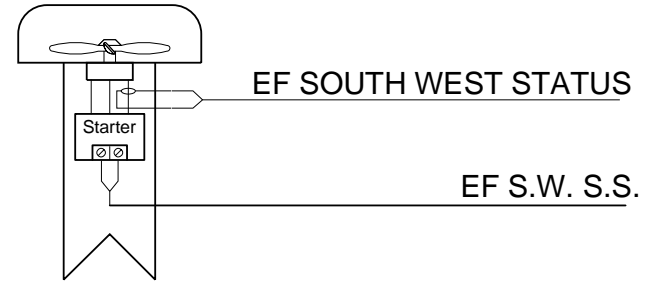
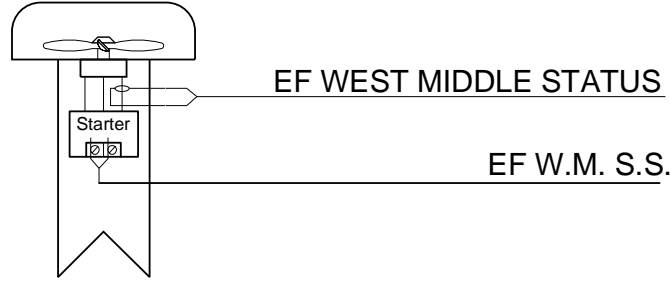
**AUTOMATED LOGIC**  
CORPORATION

DSCODE: 07112.00

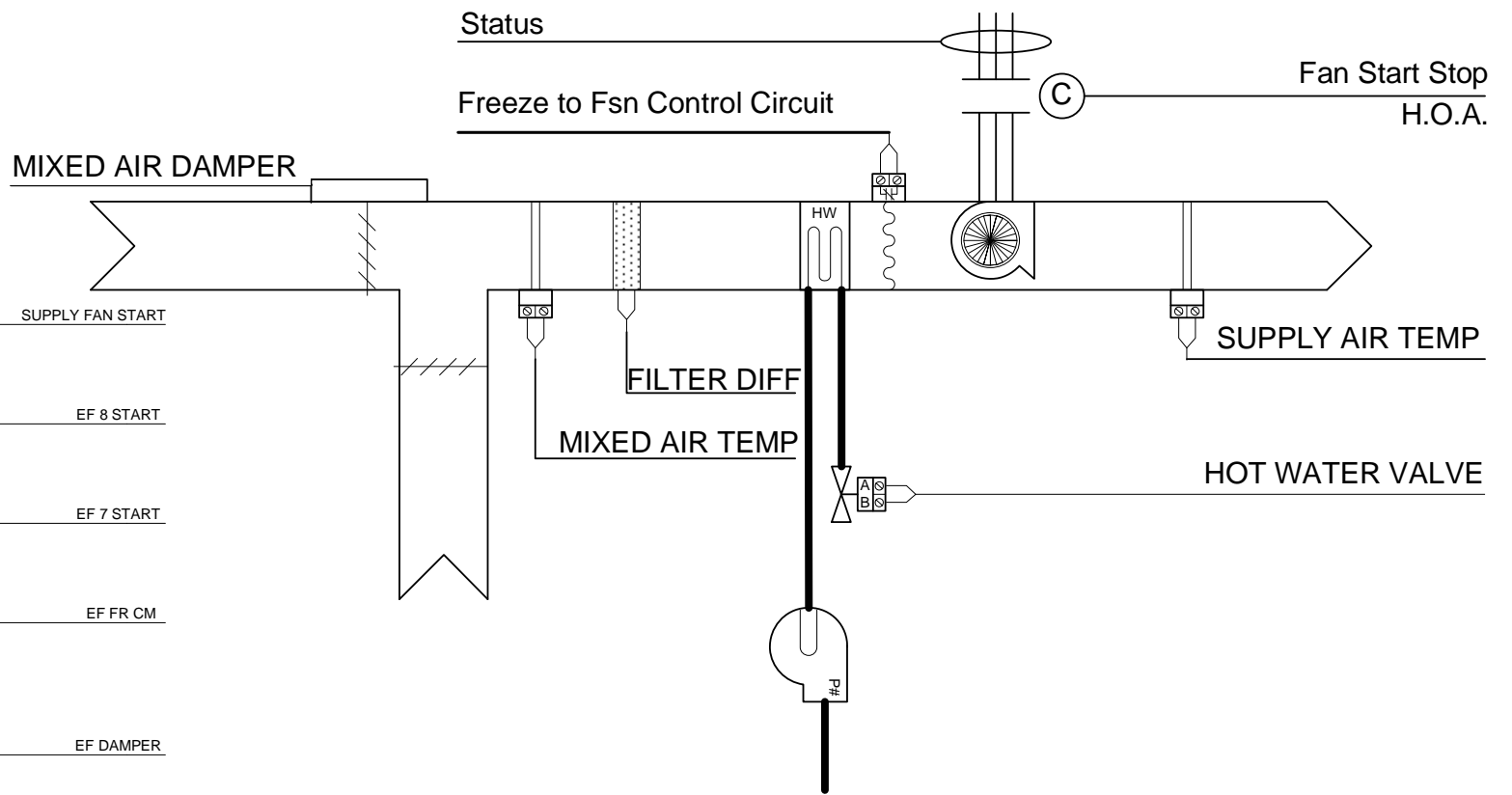
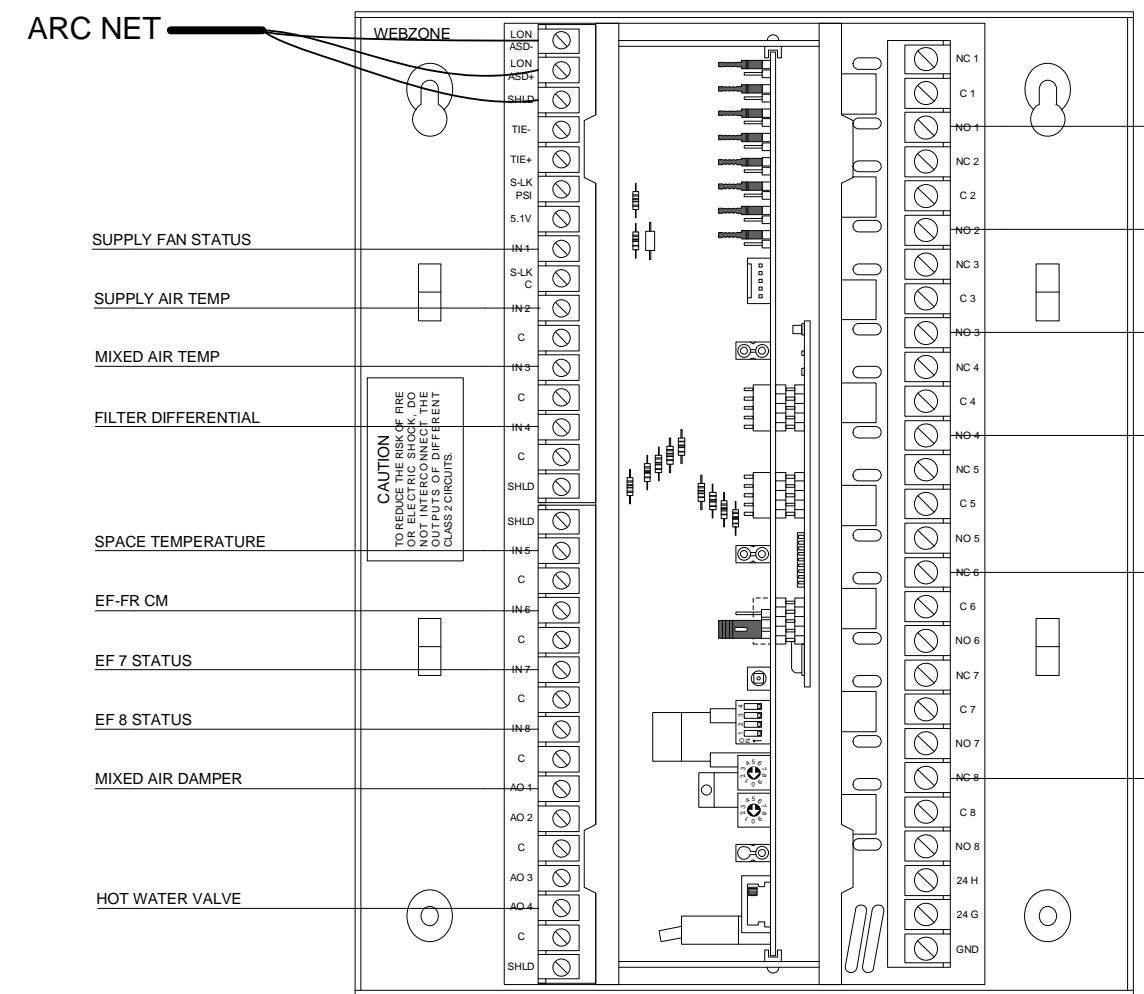
26 of 45

# HVU 02

Bill of Materials				
DID	DESCRIPTION	MANUFACTURER	PART NUMBER	QTY
WEBZONE	WEBZONE	AUTOMATED LOGIC	WEBZONE	1 ea



2412-02



**OWEGO APALACHIN SCHOOLS**  
OWEGO, New York

**AIR TEMP HEATING & AIR CONDITIONING, INC.**  
A LINC SERVICE @ CONTRACTOR

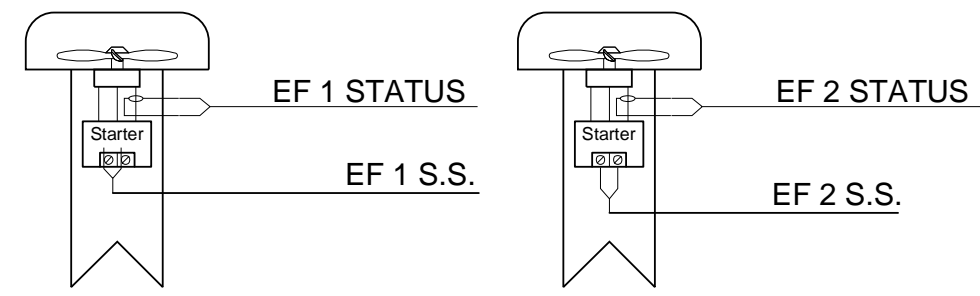
HVU 02

REV: 1	As-Built	4/18/2011	JOB NO: P7809
<b>AUTOMATED LOGIC</b> CORPORATION			CHECK BY: RSL
			DSCODE: 07112.00

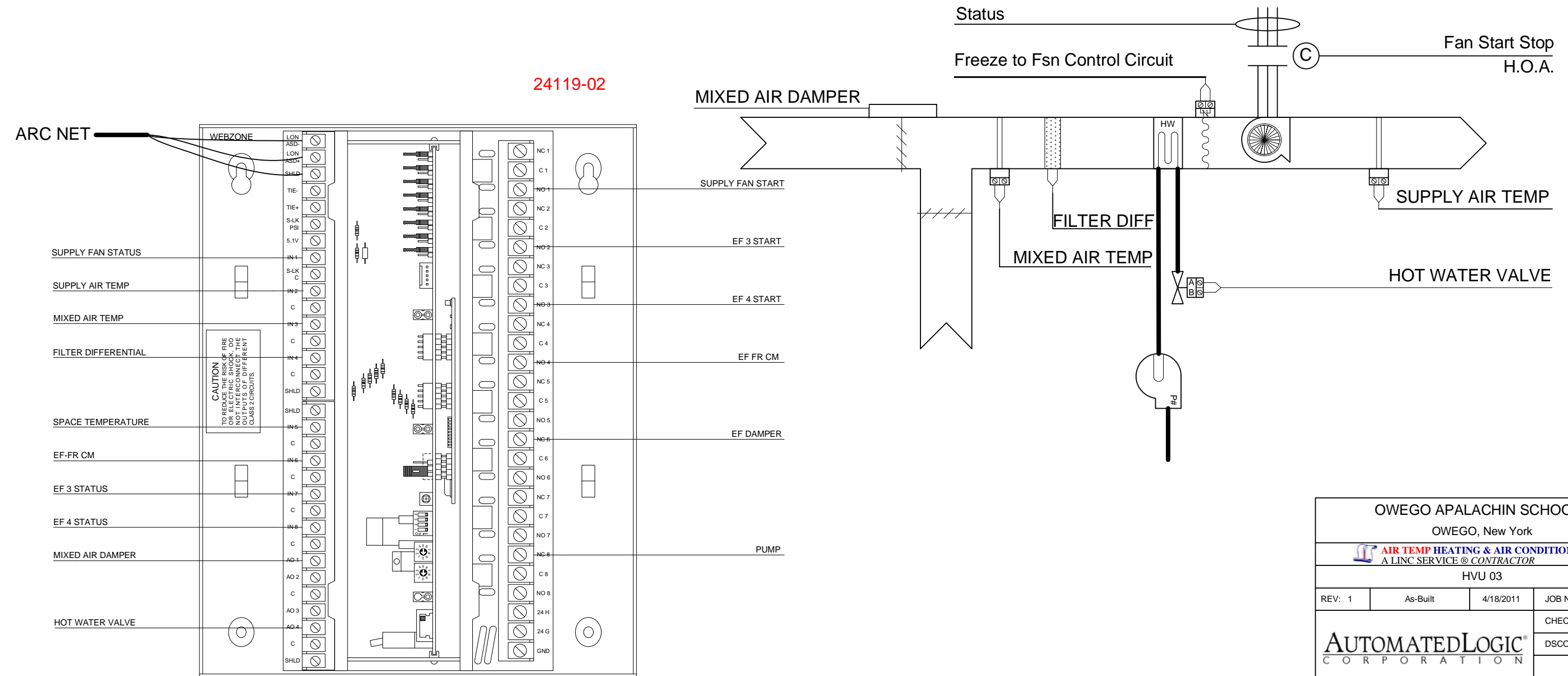
27 of 45

# HVU 03

Bill of Materials				
DID	DESCRIPTION	MANUFACTURER	PART NUMBER	QTY
WEBZONE	WEBZONE	AUTOMATED LOGIC	WEBZONE	1 ea



24119-02



**OWEGO APALACHIN SCHOOLS**  
OWEGO, New York

**AIR TEMP HEATING & AIR CONDITIONING, INC.**  
A LINC SERVICE @ CONTRACTOR

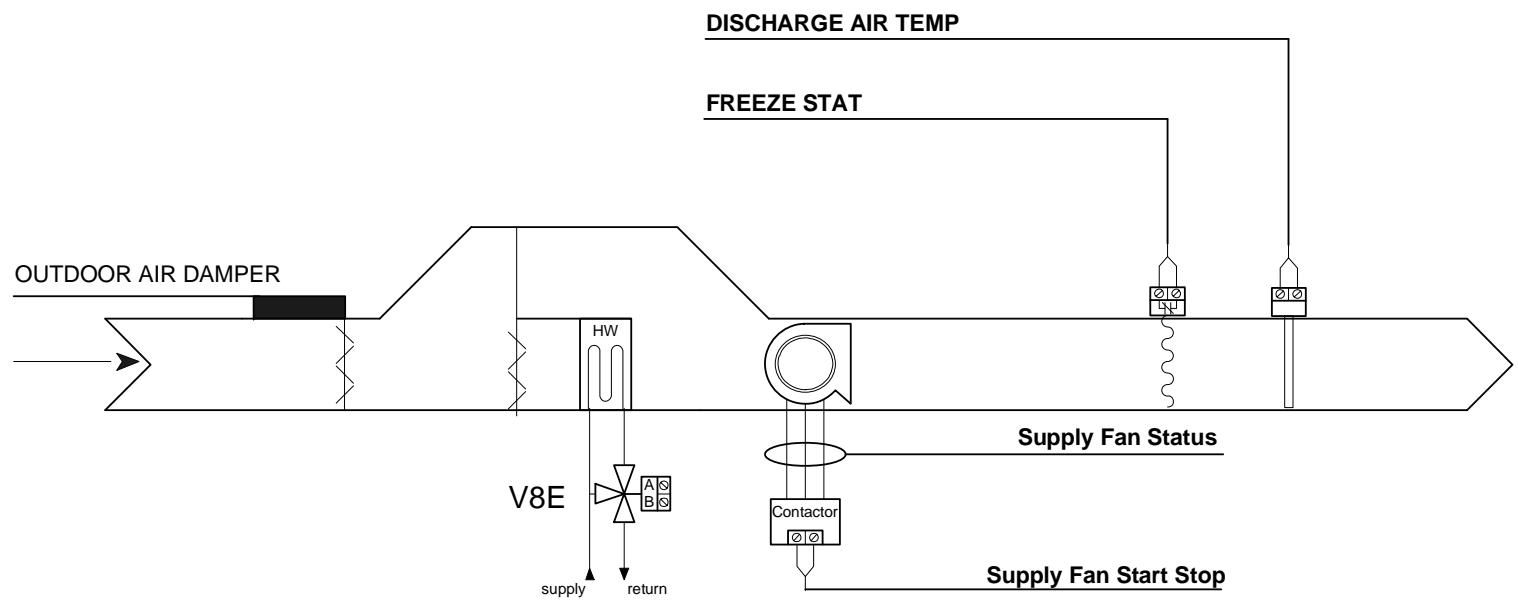
HVU 03

REV: 1	As-Built	4/18/2011	JOB NO: P7809
<b>AUTOMATED LOGIC</b> CORPORATION			CHECK BY: RSL
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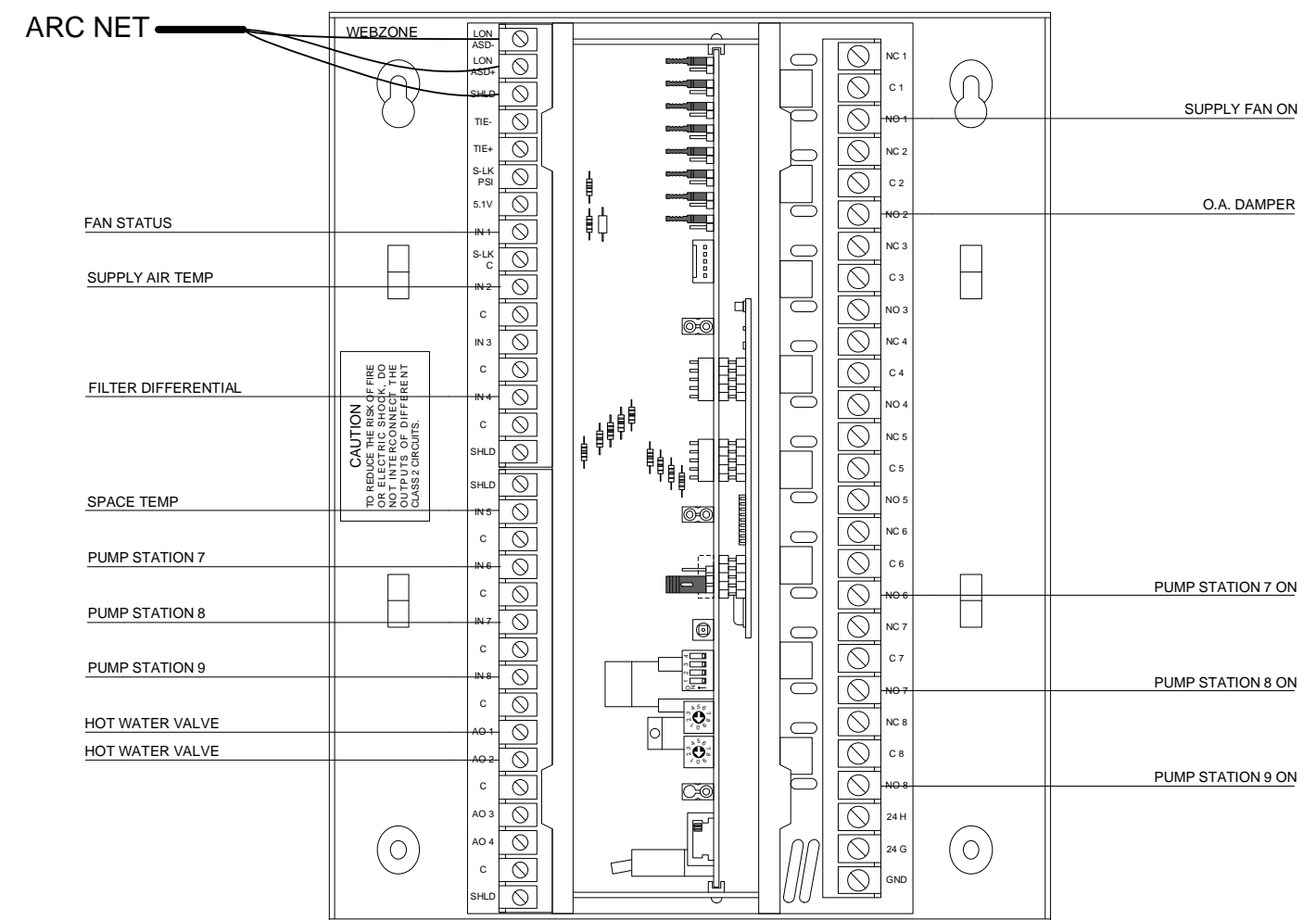
28 of 45

# MUA BOILER PLANT

Bill of Materials				
DID	DESCRIPTION	MANUFACTURER	PART NUMBER	QTY
WEBZONE	WEBZONE	AUTOMATED LOGIC	WEBZONE	1 ea



24119-08



**OWEGO APALACHIN SCHOOLS**  
OWEGO, New York

**AIR TEMP HEATING & AIR CONDITIONING, INC.**  
A LINC SERVICE @ CONTRACTOR

**MUA BOILER PLANT**

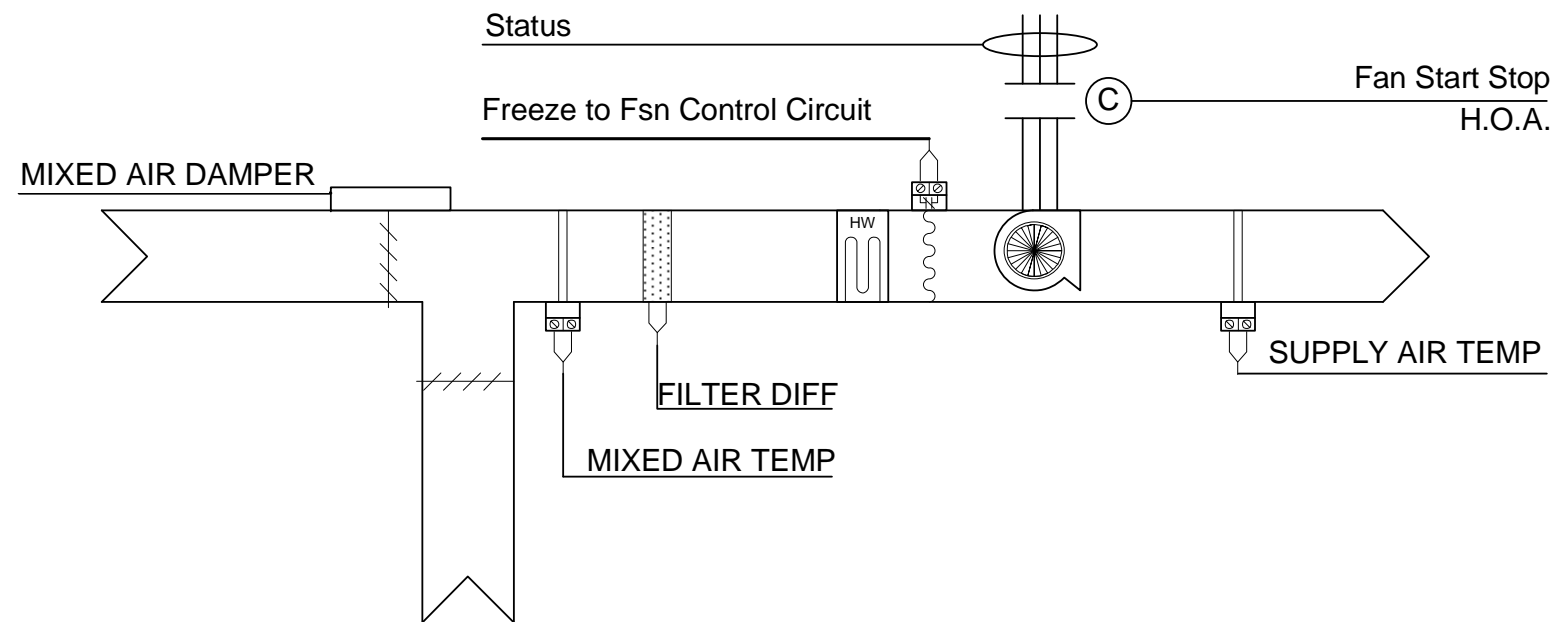
REV: 1	As-Built	4/18/2011	JOB NO: P7809
<b>AUTOMATED LOGIC</b> CORPORATION			CHECK BY: RSL
			DSCODE: 07112.00

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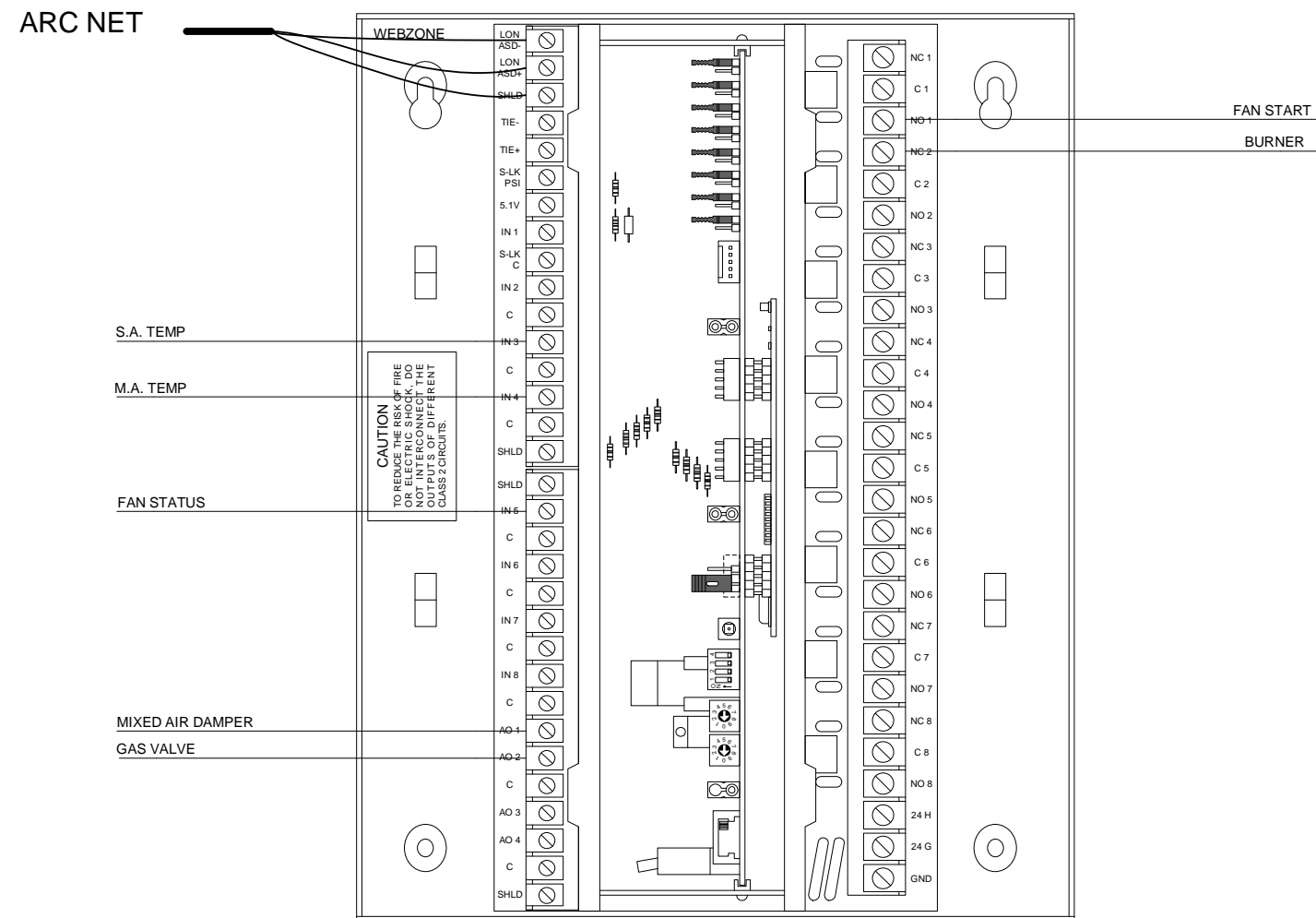
# MUA KITCHEN

## Bill of Materials

DID	DESCRIPTION	MANUFACTURER	PART NUMBER	QTY
WEBZONE	WEBZONE	AUTOMATED LOGIC	WEBZONE	1 ea



2412-05



OWEGO APALACHIN SCHOOLS

OWEGO, New York

**AIR TEMP HEATING & AIR CONDITIONING, INC.**  
A LINC SERVICE @ CONTRACTOR

MUA KITCHEN

REV: 1	As-Built	4/18/2011	JOB NO: P7809
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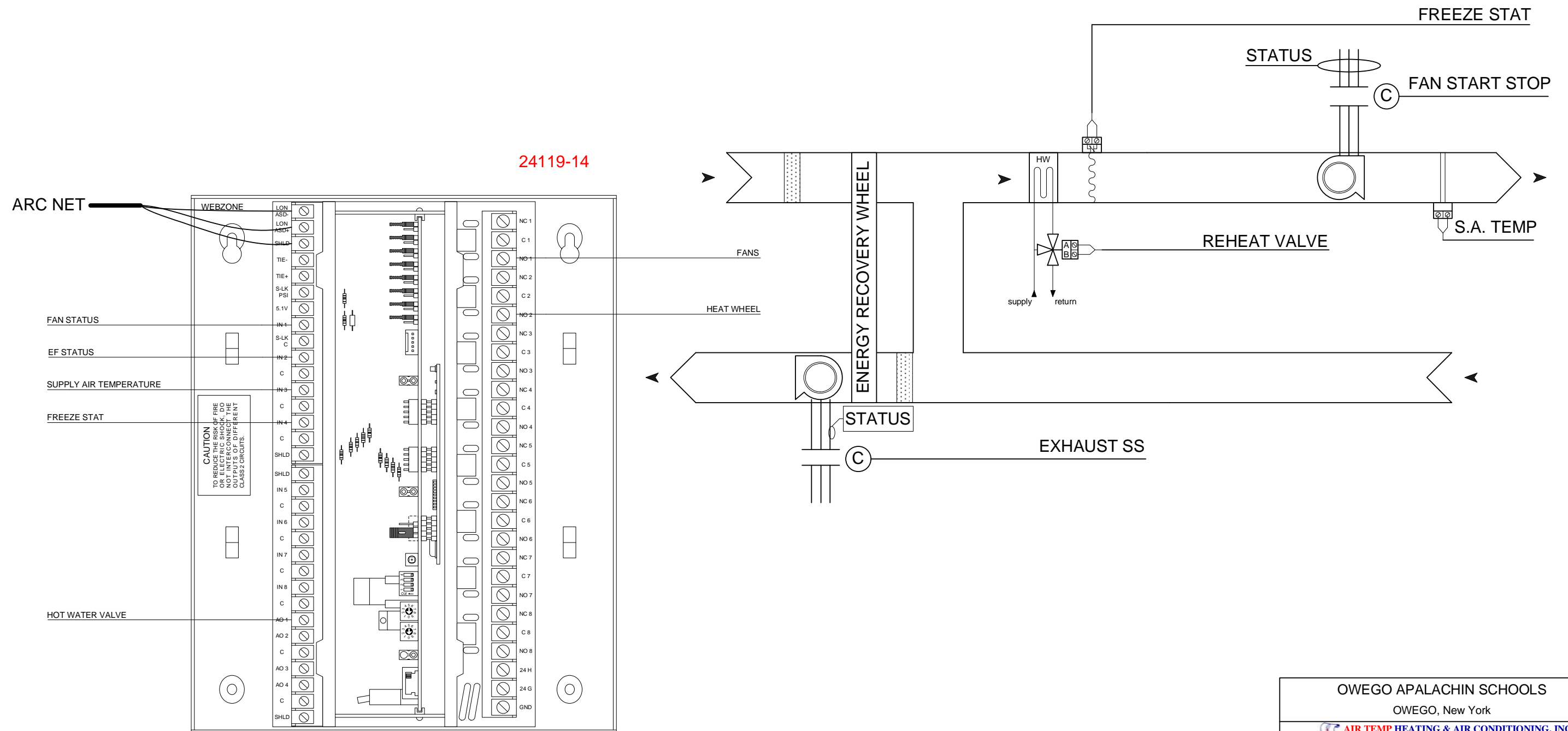
**AUTOMATED LOGIC**  
CORPORATION



CHECK BY: RSL

DSCODE: 07112.00

# ERV EXISTING

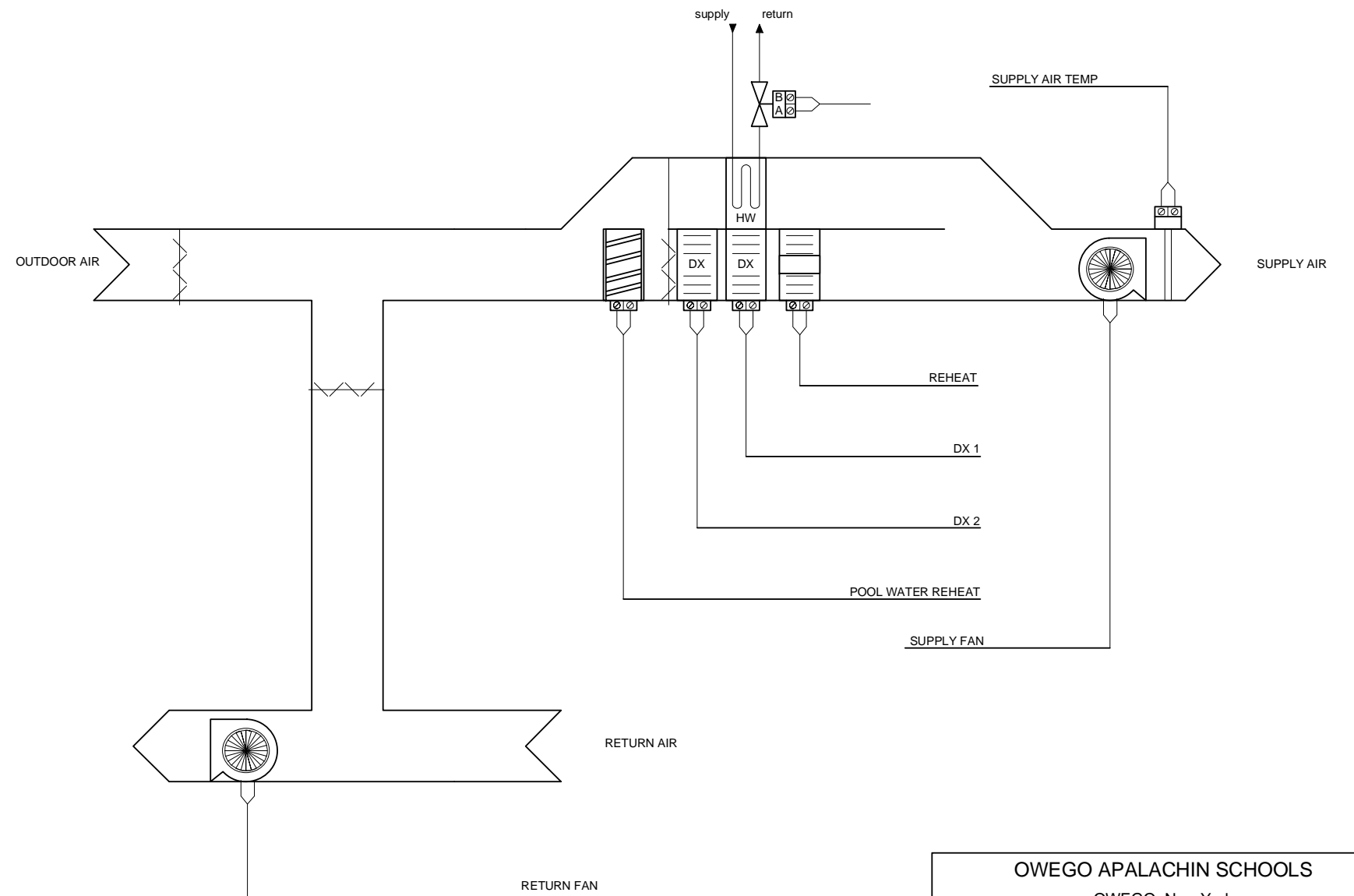
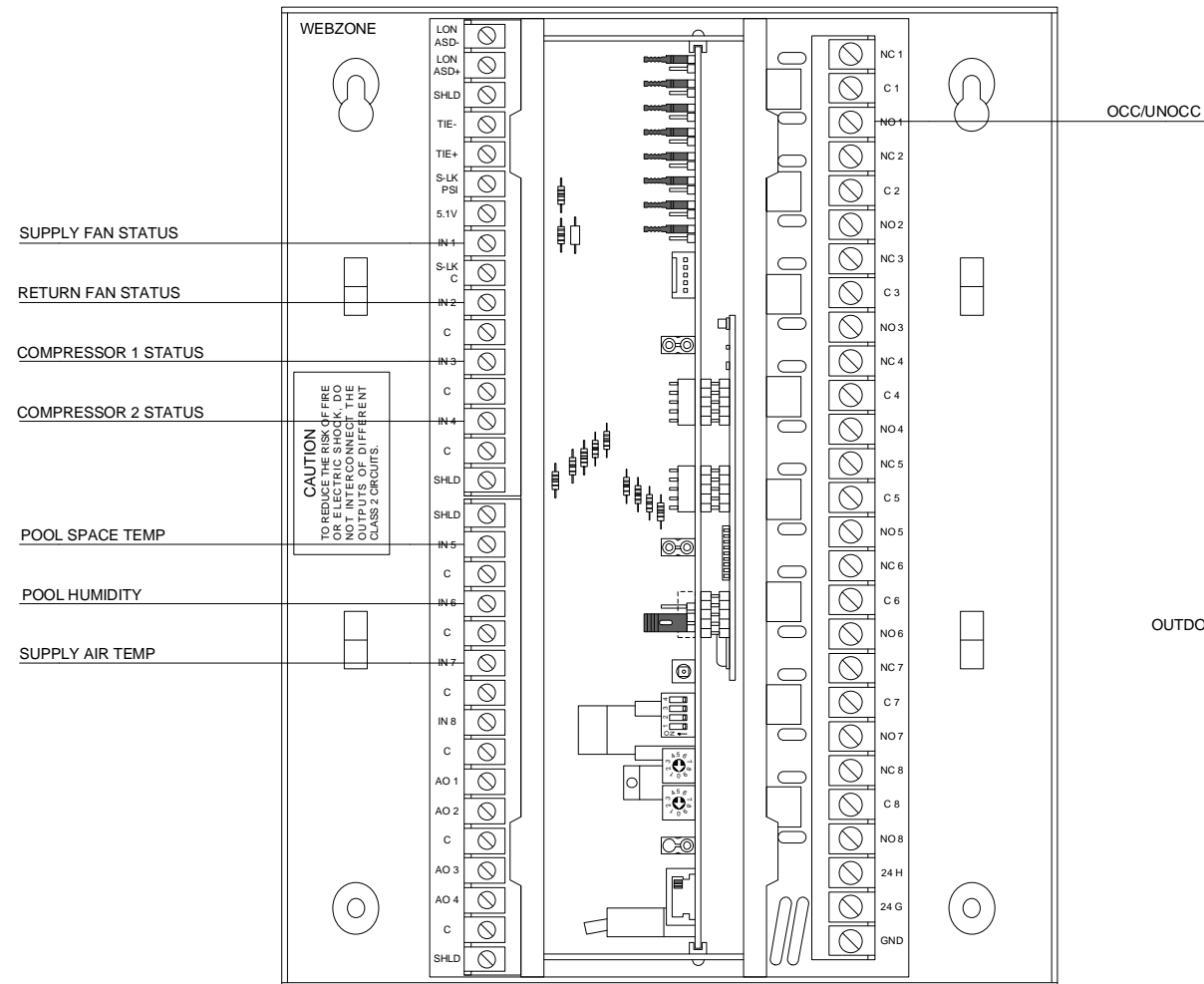
Bill of Materials				
DID	DESCRIPTION	MANUFACTURER	PART NUMBER	QTY
WEBZONE	WEBZONE	AUTOMATED LOGIC	WEBZONE	1 ea





<b>OWEGO APALACHIN SCHOOLS</b> OWEGO, New York  <b>AIR TEMP HEATING &amp; AIR CONDITIONING, INC.</b> A LINC SERVICE @ CONTRACTOR			
ERV EXISTING			
REV: 1	As-Built	4/18/2011	JOB NO: P7809
			CHECK BY: RSL
			DSCODE: 07112.00
			31 of 45

# DESERT AIR (POOL)

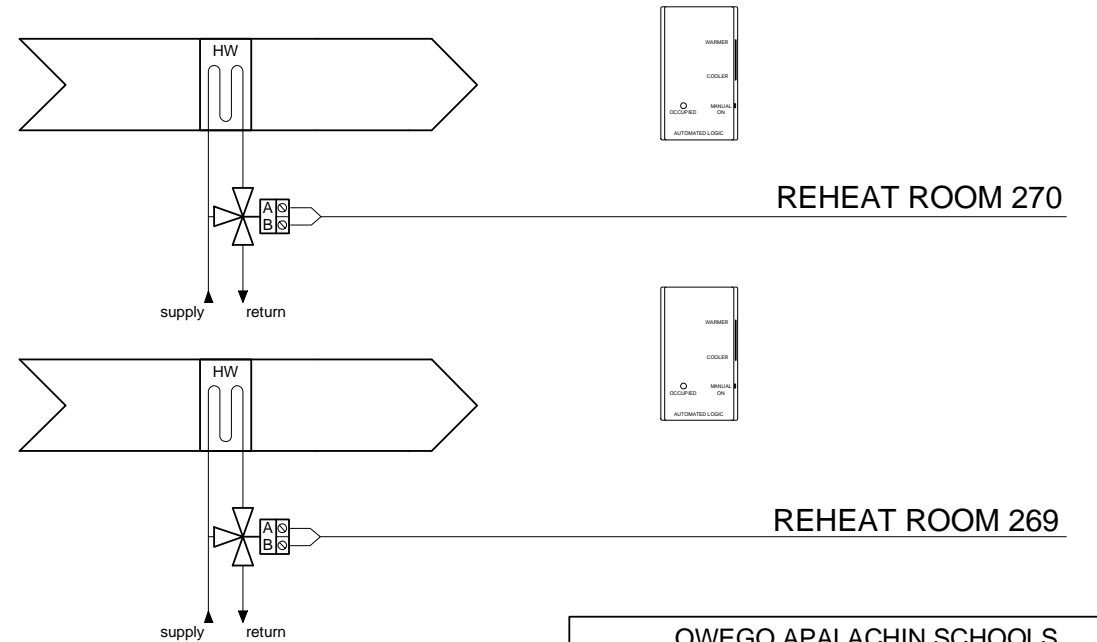
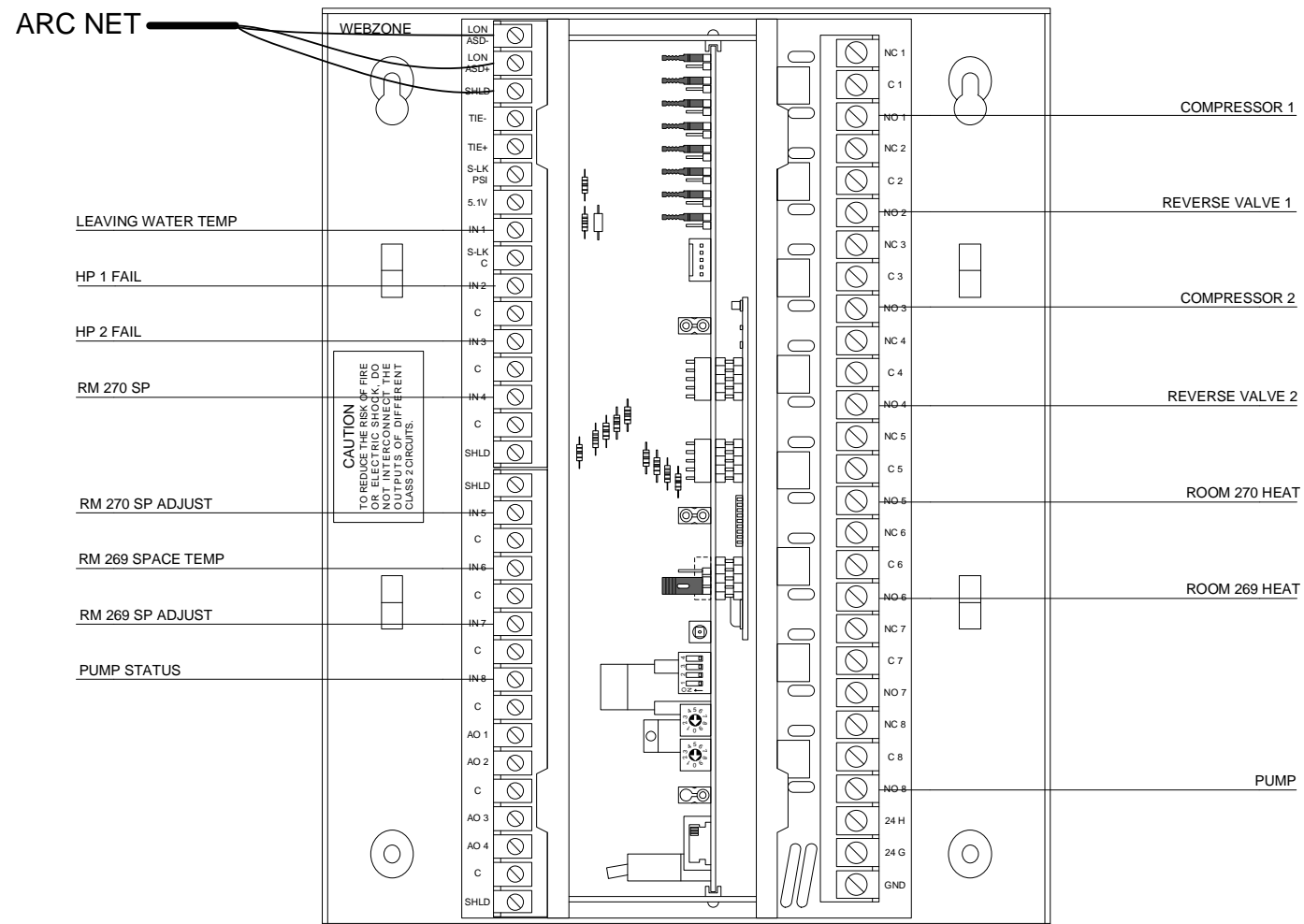
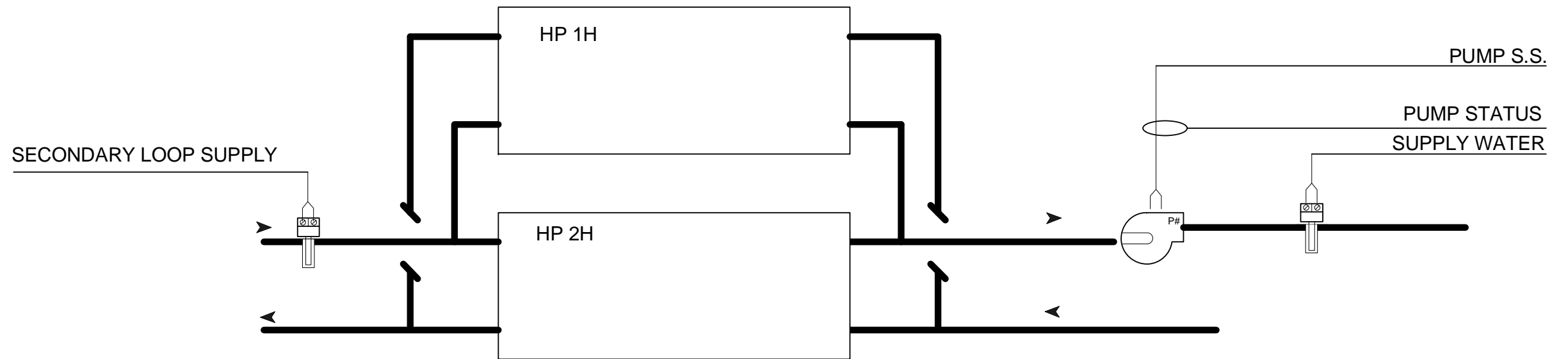
Bill of Materials				
DID	DESCRIPTION	MANUFACTURER	PART NUMBER	QTY
WEBZONE	WEBZONE	AUTOMATED LOGIC	WEBZONE	1 ea



<b>OWEGO APALACHIN SCHOOLS</b> OWEGO, New York  <b>AIR TEMP HEATING &amp; AIR CONDITIONING, INC.</b> A LINC SERVICE @ CONTRACTOR			
<b>DESERT AIR (POOL)</b>			
REV: 1	As-Built	4/18/2011	JOB NO: P7809
			CHECK BY: RSL
			DSCODE: 07112.00
			32 of 45

# HEAT PUMP 1H & 2 H EXIST

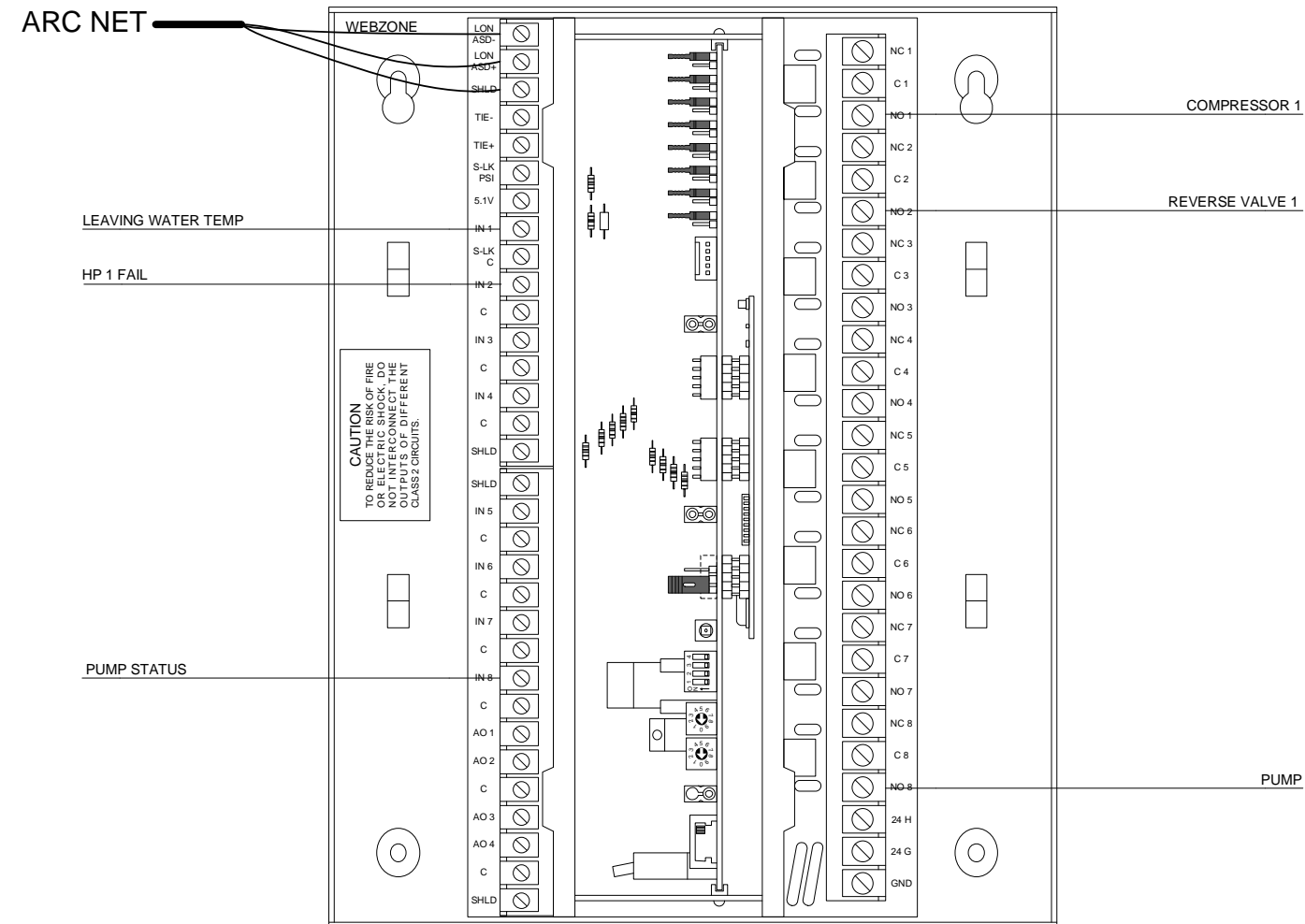
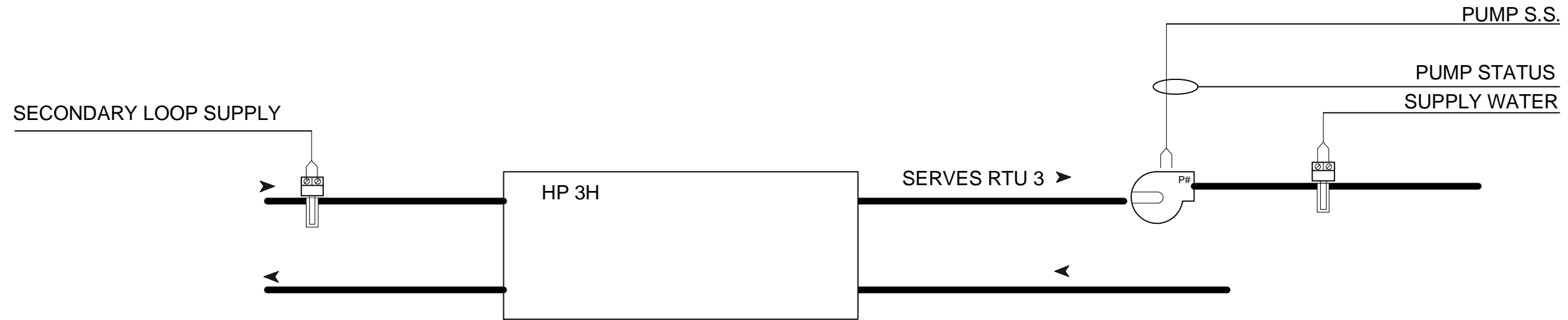
Bill of Materials				
DID	DESCRIPTION	MANUFACTURER	PART NUMBER	QTY
WEBZONE	WEBZONE	AUTOMATED LOGIC	WEBZONE	1 ea




OWEGO APALACHIN SCHOOLS			
OWEGO, New York			
 AIR TEMP HEATING & AIR CONDITIONING, INC. A LINC SERVICE @ CONTRACTOR			
HEAT PUMP 1H & 2 H EXIST			
REV: 1	As-Built	4/18/2011	JOB NO: P7809
			CHECK BY: RSL
			DSCODE: 07112.00
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# HPW 3H

Bill of Materials				
DID	DESCRIPTION	MANUFACTURER	PART NUMBER	QTY
WEBZONE	WEBZONE	AUTOMATED LOGIC	WEBZONE	1 ea



**OWEGO APALACHIN SCHOOLS**  
OWEGO, New York

 **AIR TEMP HEATING & AIR CONDITIONING, INC.**  
A LINC SERVICE @ CONTRACTOR

**HPW 3H**

REV: 1	As-Built	4/18/2011	JOB NO: P7809
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**AUTOMATED LOGIC**  
CORPORATION

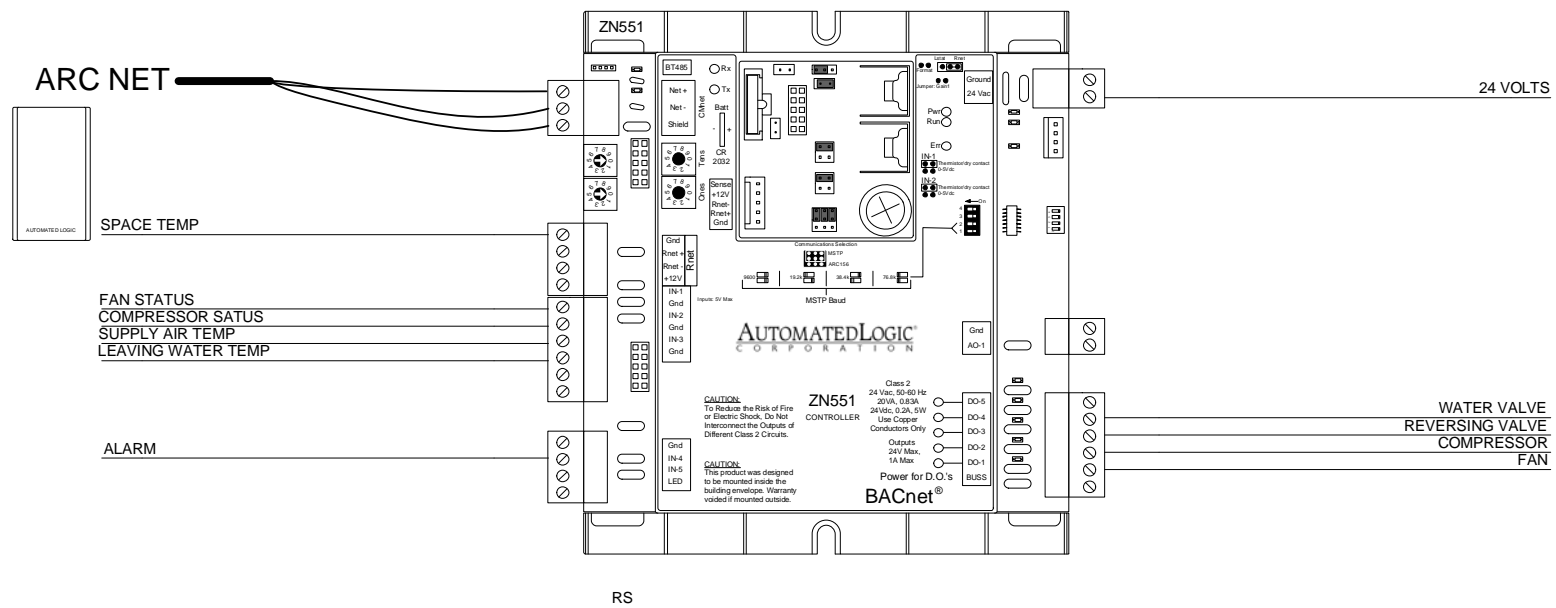
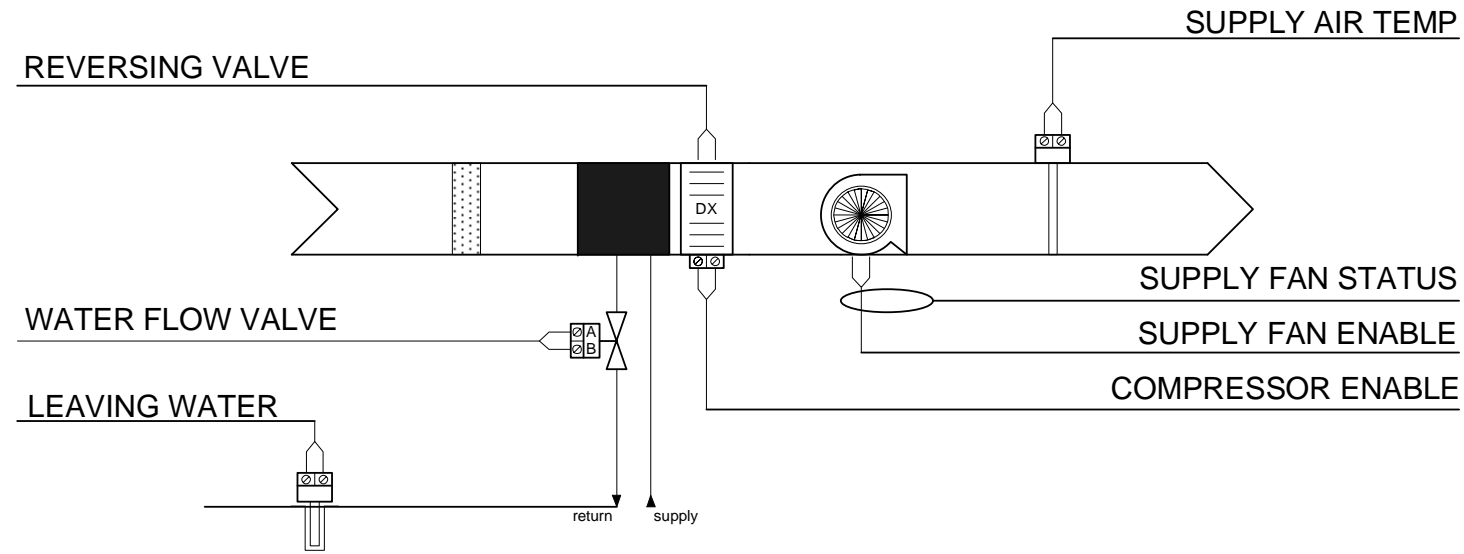
CHECK BY: RSL  
DSCODE: 07112.00

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# HP O1G SERVER

## Bill of Materials

DID	DESCRIPTION	MANUFACTURER	PART NUMBER	QTY
RS	SENSOR	ALC	RS	1 ea
ZN551	ZN551	AUTOMATED LOGIC	ZN551	1 ea



OWEGO APALACHIN SCHOOLS

OWEGO, New York

**AIR TEMP HEATING & AIR CONDITIONING, INC.**  
A LINC SERVICE @ CONTRACTOR

HP O1G SERVER

REV: 1	As-Built	4/18/2011	JOB NO: P7809
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**AUTOMATED LOGIC**  
CORPORATION

CHECK BY: RSL

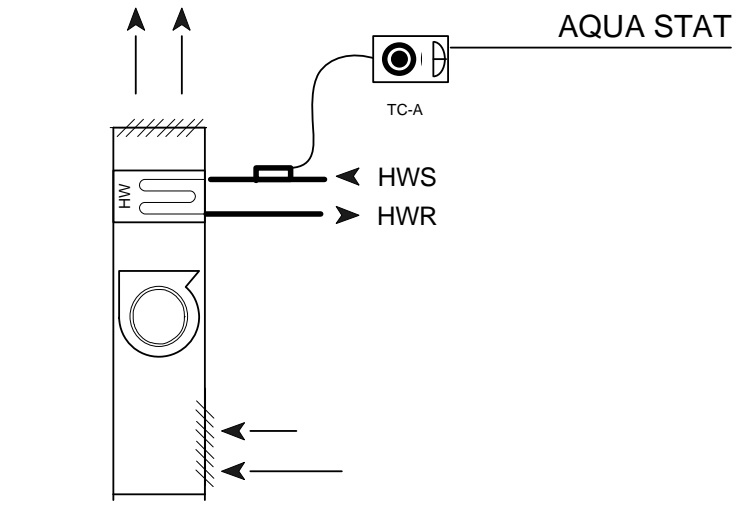
DSCODE: 07112.00

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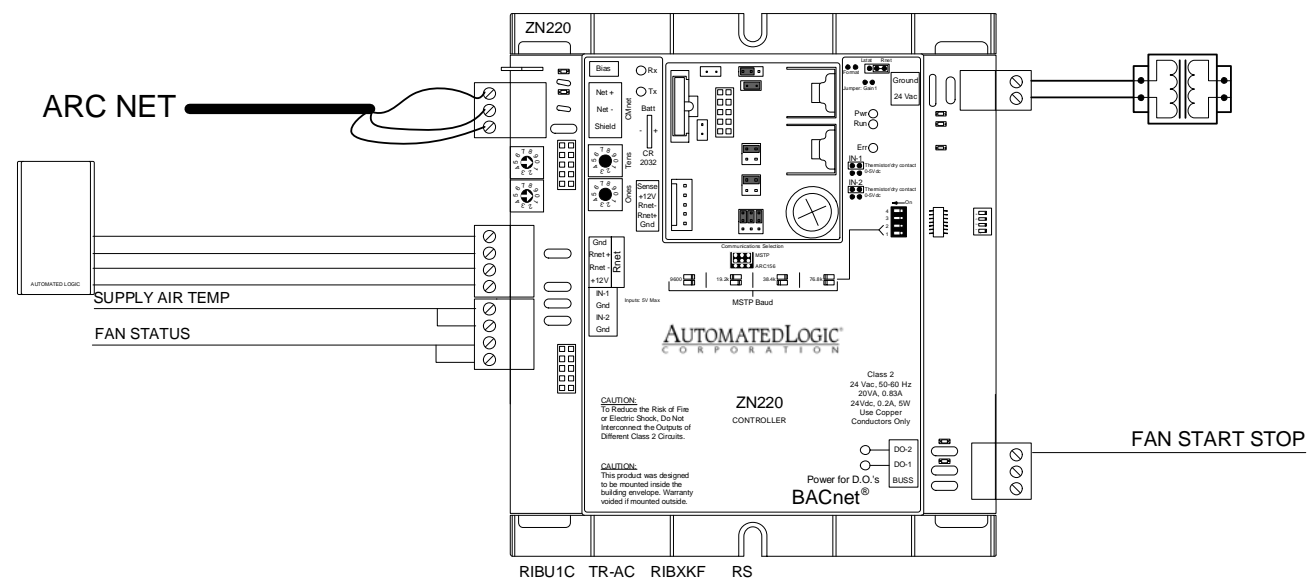
# CABINET UNIT HEATERS

TYPICAL FOR 12

Bill of Materials				
DID	DESCRIPTION	MANUFACTURER	PART NUMBER	QTY
RIBU1C	RELAY	FUNCTIONAL DEVICES	RIBU1C	12 ea
RIBXKF	CURRENT SWITCH	FUNCTIONAL DEVICES	RIBXKF	12 ea
RS	SENSOR	ALC	RS	12 ea
TC-A	HW TEMP CONTROL HIGH LIMIT MAN. RESET	JOHNSON CONTROLS	A19ADB-2	12 ea
TR-AC	TRANSFORMER, MULTITAP 24VAC, 75VA	CORE COMPONENTS	LE1501	12 ea
ZN220	ZN220	AUTOMATED LOGIC	ZN220	12 ea

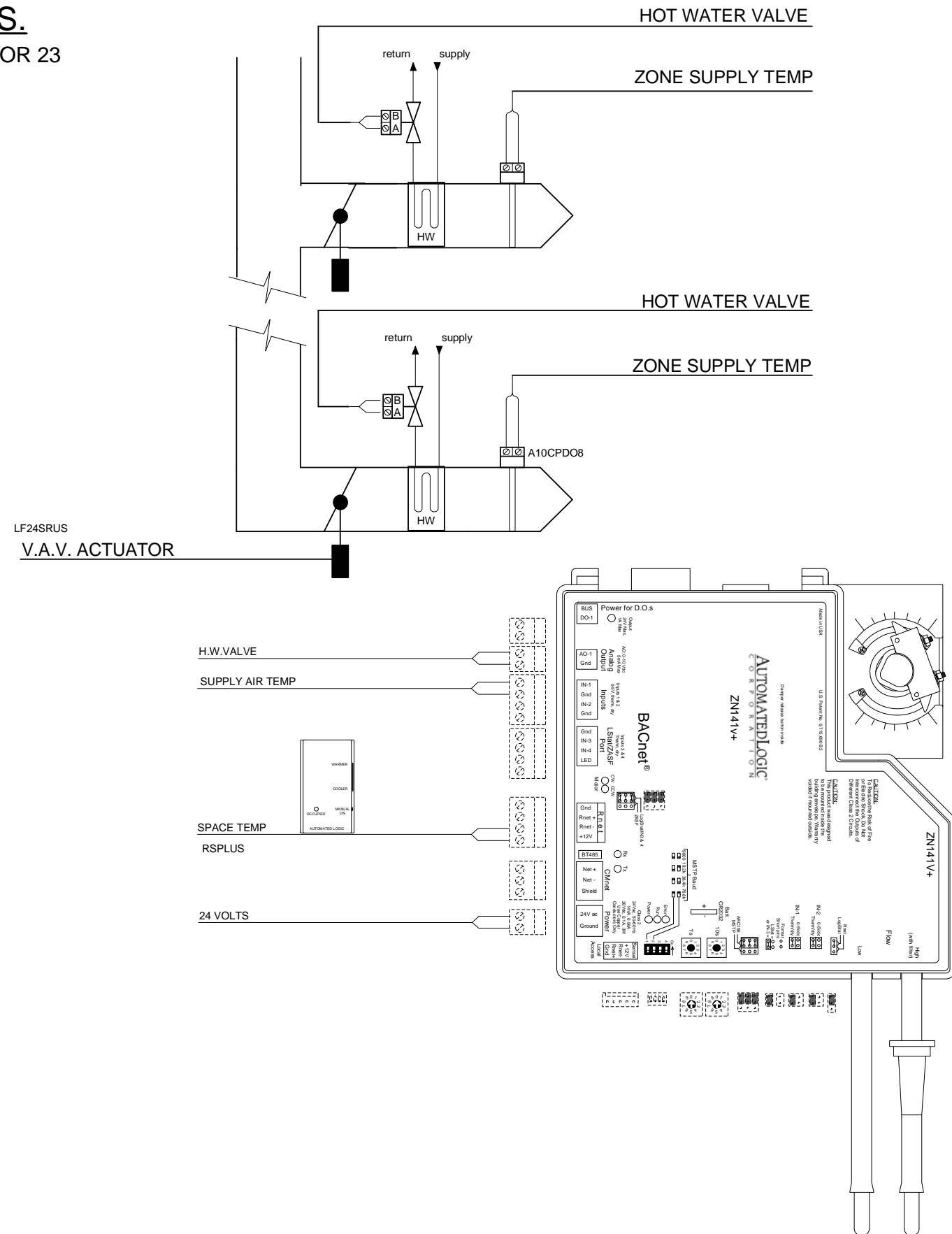


**CABINET HEATER**



<b>OWEGO APALACHIN SCHOOLS</b> OWEGO, New York			
AIR TEMP HEATING & AIR CONDITIONING, INC. A LINC SERVICE @ CONTRACTOR			
<b>CABINET UNIT HEATERS</b>			
REV: 1	As-Built	4/18/2011	JOB NO: P7809
AUTOMATED LOGIC CORPORATION			CHECK BY: RSL
			DSCODE: 07112.00
			36 of 45


**VAV H.S.**  
TYPICAL FOR 23



**Bill of Materials**

DID	DESCRIPTION	MANUFACTURER	PART NUMBER	QTY
A10CPDO8	TYPE 2 DUCT	ALPS	A10CPDO8	23 ea
LF24SRUS	PROPORTIONAL ACTUATOR	BELIMO	LF24SRUS	23 ea
RSPLUS	SENSOR	ALC	RSPLUS	23 ea
ZN141V+	ZN141V+	AUTOMATED LOGIC	ZN141V+	23 ea

**OWEGO APALACHIN SCHOOLS**  
OWEGO, New York

 **AIR TEMP HEATING & AIR CONDITIONING, INC.**  
A LINC SERVICE @ CONTRACTOR

**VAV H.S.**

REV: 1	As-Built	4/18/2011	JOB NO: P7809
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CHECK BY: RSL  
DSCODE: 07112.00

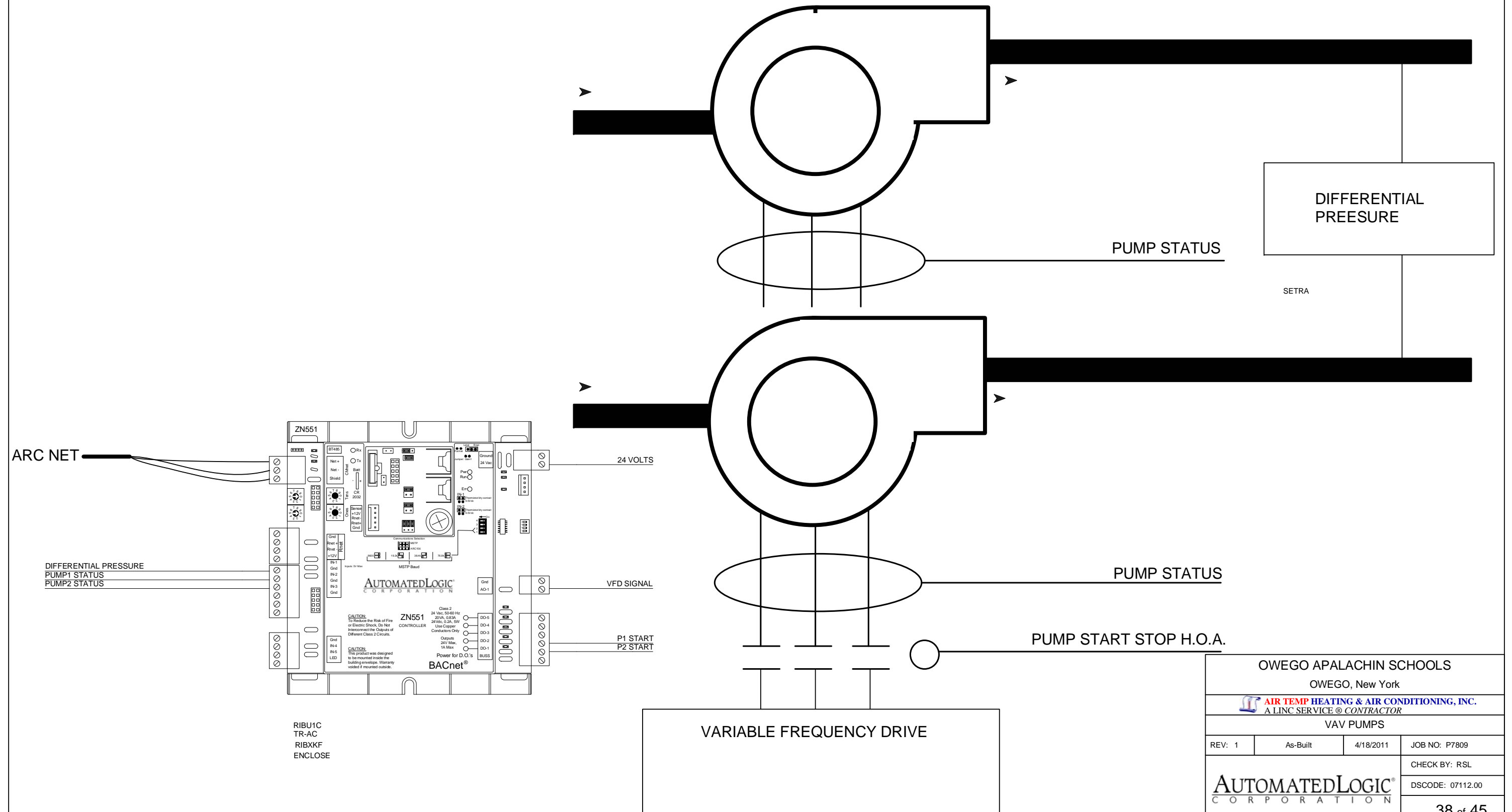
**AUTOMATEDLOGIC**  
CORPORATION

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# VAV PUMPS

## Bill of Materials

DID	DESCRIPTION	MANUFACTURER	PART NUMBER	QTY
ENCLOSE	ENCLOSURE	SPACEAGE	YM9051	1 ea
RIBU1C	RELAY	FUNCTIONAL DEVICES	RIBU1C	2 ea
RIBXKF	CURRENT SWITCH	FUNCTIONAL DEVICES	RIBXKF	2 ea
SETRA	DIFF PRESS	SETRA	SETRA	1 ea
TR-AC	TRANSFORMER, MULTITAP 24VAC, 75VA	CORE COMPONENTS	LE1501	1 ea
ZN551	ZN551	AUTOMATED LOGIC	ZN551	1 ea



OWEGO APALACHIN SCHOOLS

OWEGO, New York

**AIR TEMP HEATING & AIR CONDITIONING, INC.**  
A LINC SERVICE @ CONTRACTOR

VAV PUMPS

REV: 1	As-Built	4/18/2011	JOB NO: P7809
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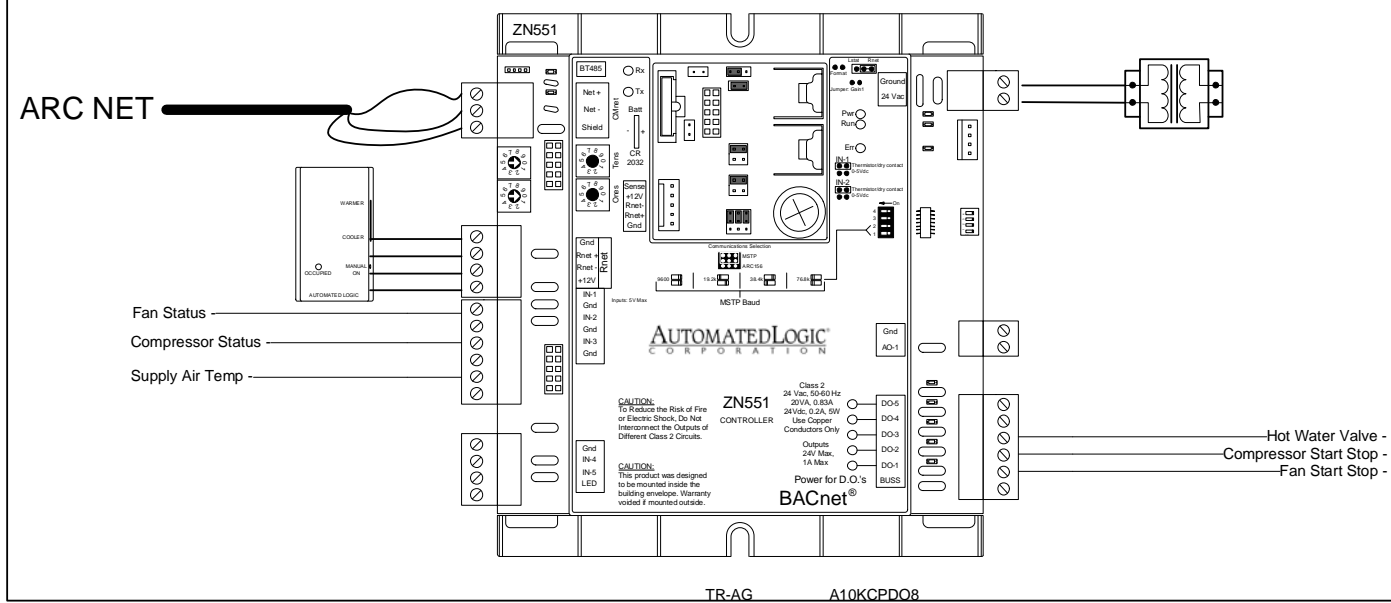
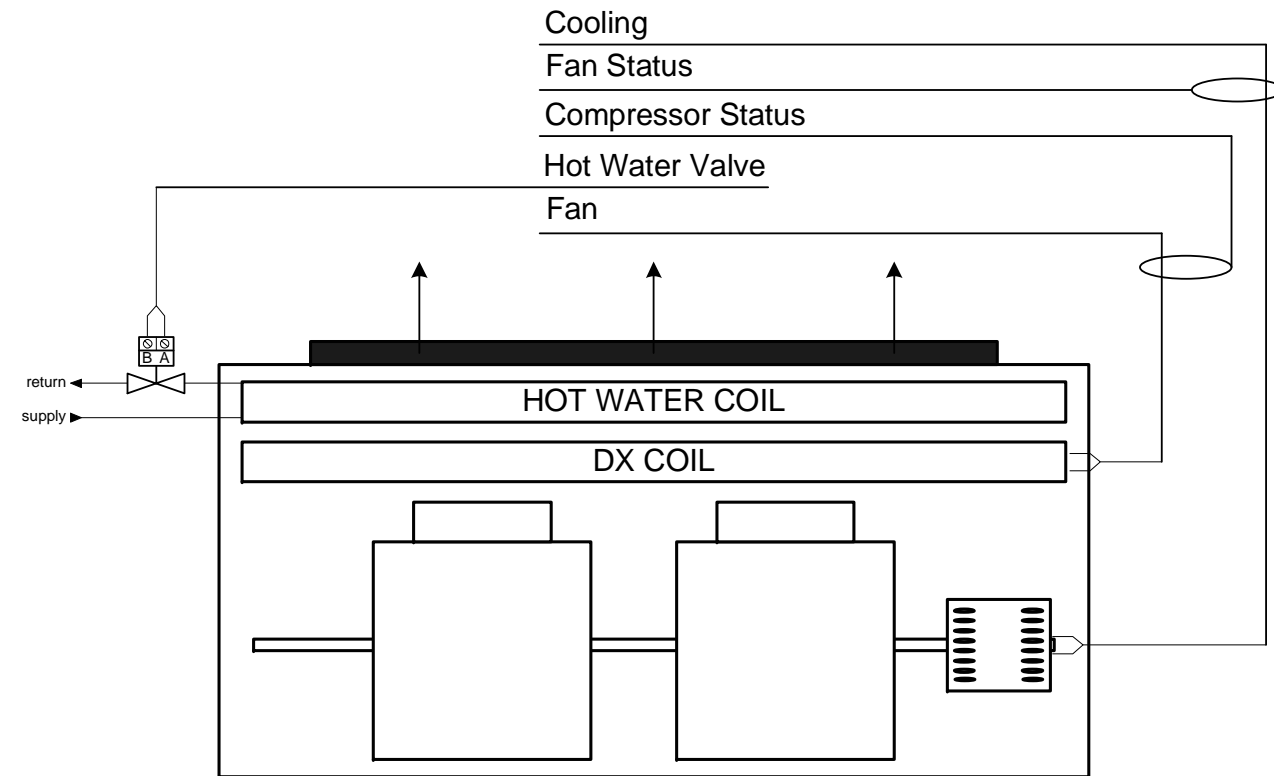
**AUTOMATED LOGIC**  
CORPORATION

CHECK BY: RSL

DSCODE: 07112.00

# PTAC

Bill of Materials				
DID	DESCRIPTION	MANUFACTURER	PART NUMBER	QTY
TR-AG	TRANSFORMER, 120/24VAC 150VA W/CCT BREAKER	CORE COMPONENTS	LE-124	9 ea
ZN551	ZN551	AUTOMATED LOGIC	ZN551	9 ea
a10kcpdo8	DUCT 10K THERMISTOR PROBE 8 IN.	ALPS	A10KCPDO8	9 ea
ribu1c	PILOT RELAY 24 VAC DPDT W/ LED	FUNCTIONAL	RIBU1C	9 ea
ribxkf	CURRENT SWITCH .5-200 AMP SOLID CORE GO/NO GO	FUNCTIONAL	RIBXKF	18 ea
rs	SPACE TEMP	ALC	RS	9 ea



**OWEGO APALACHIN SCHOOLS**  
OWEGO, New York

**AIR TEMP HEATING & AIR CONDITIONING, INC.**  
A LINC SERVICE @ CONTRACTOR

**PTAC**

REV: 1	As-Built	4/18/2011	JOB NO: P7809
<b>AUTOMATED LOGIC</b> CORPORATION			CHECK BY: RSL
			DSCODE: 07112.00

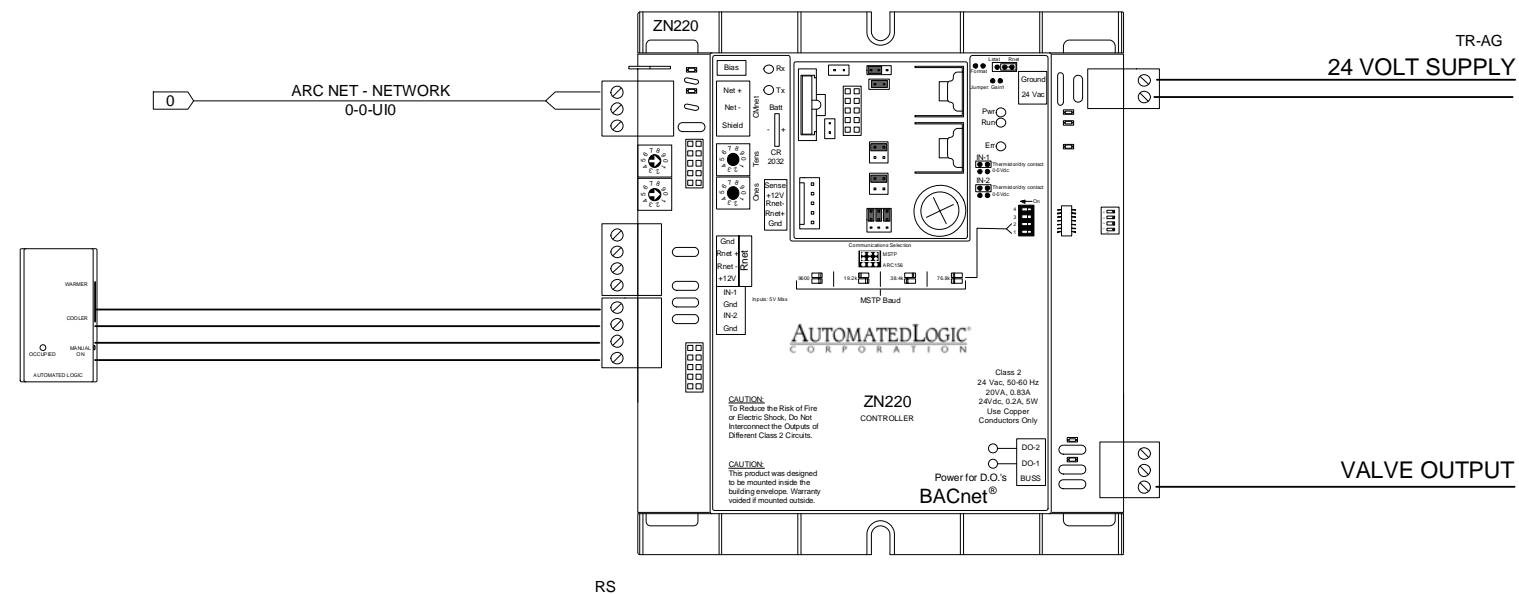
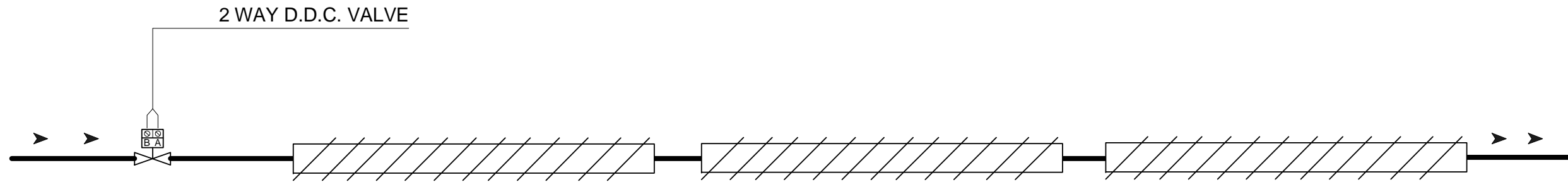
**39 of 45**

# FINTUBE GYM

Typical For 4

## Bill of Materials

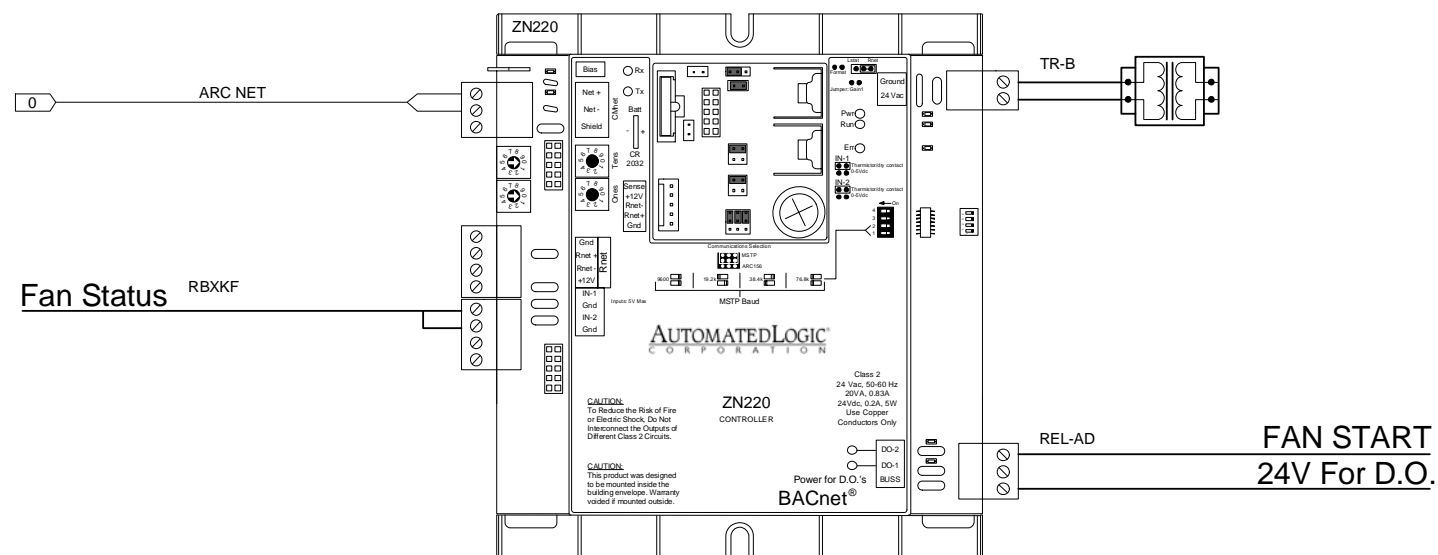
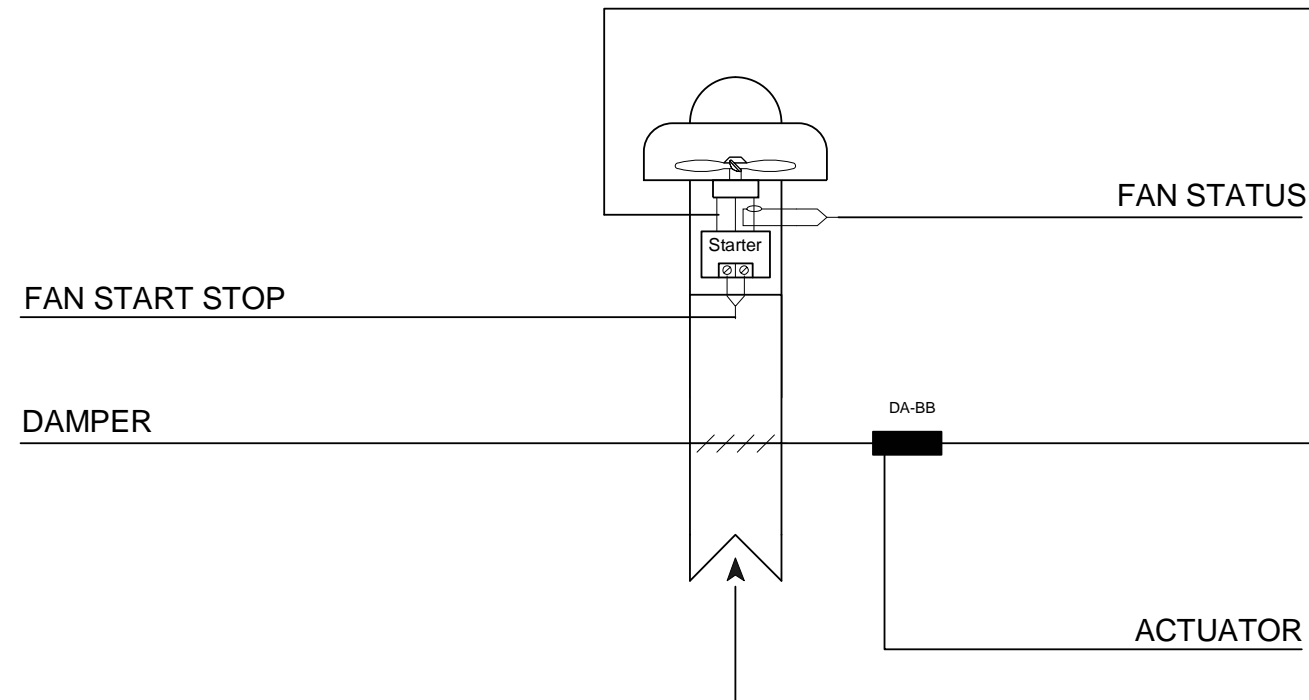
DID	DESCRIPTION	MANUFACTURER	PART NUMBER	QTY
TR-AG	TRANSFORMER, 120/24VAC 150VA W/CCT BREAKER	CORE COMPONENTS	LE-124	4 ea
ZN220	ZN220	AUTOMATED LOGIC	ZN220	2 ea
rs	SPACE TEMP	ALC	RS	2 ea



<b>OWEGO APALACHIN SCHOOLS</b> OWEGO, New York <b>AIR TEMP HEATING &amp; AIR CONDITIONING, INC.</b> A LINC SERVICE @ CONTRACTOR			
<b>FINTUBE GYM</b>			
REV: 1	As-Built	4/18/2011	JOB NO: P7809
<b>AUTOMATED LOGIC</b> CORPORATION			CHECK BY: RSL
			DSCODE: 07112.00
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# EXHAUST FAN 1

Locker Rooms



## Bill of Materials

DID	DESCRIPTION	MANUFACTURER	PART NUMBER	QTY
DA-BB	SR OPEN/CLOSE 35 IN-LB 24 V	BELIMO	LF24 ALC	2 ea
RBXKF	CURRENT SENSOR	RIB	RBXKF	2 ea
REL-AD	SPDT RELAY W/ IND LGHT 24 VAC	IDEC	RH1B-ULC-AC24V	2 ea
TR-B	TRANSFORMER, MULTITAP 24VAC, 75VA	CORE COMPONENTS	LE-150	2 ea
ZN220	ZN220	AUTOMATED LOGIC	ZN220	2 ea

OWEGO APALACHIN SCHOOLS

OWEGO, New York

**AIR TEMP HEATING & AIR CONDITIONING, INC.**  
A LINC SERVICE @ CONTRACTOR

EXHAUST FAN 1

REV: 1	As-Built	4/18/2011	JOB NO: P7809
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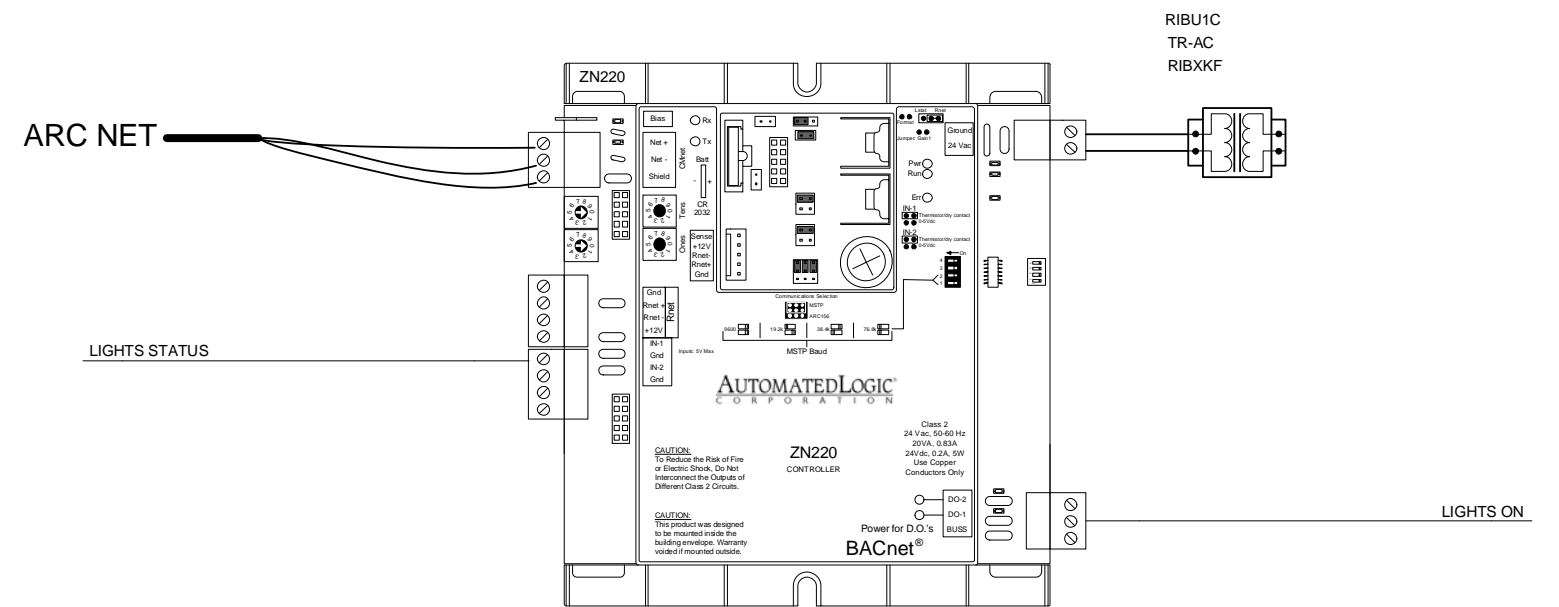
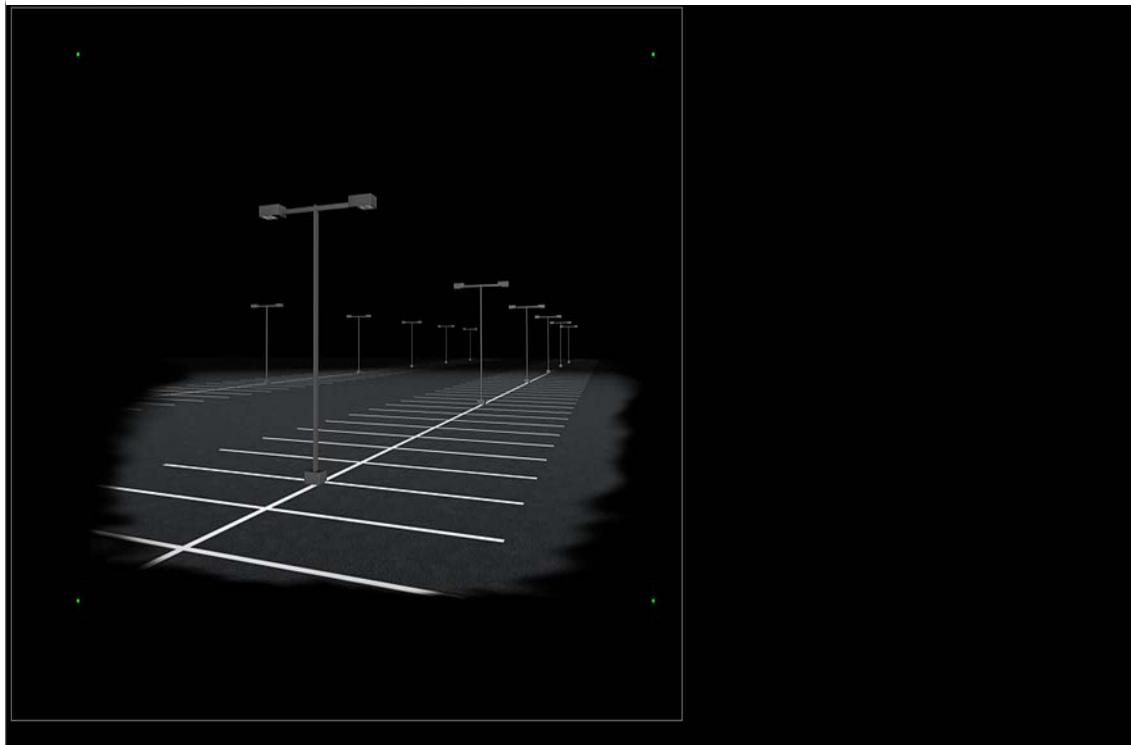
**AUTOMATED LOGIC**  
CORPORATION



CHECK BY: RSL

DSCODE: 07112.00

# OUTDOOR LIGHTS POOL

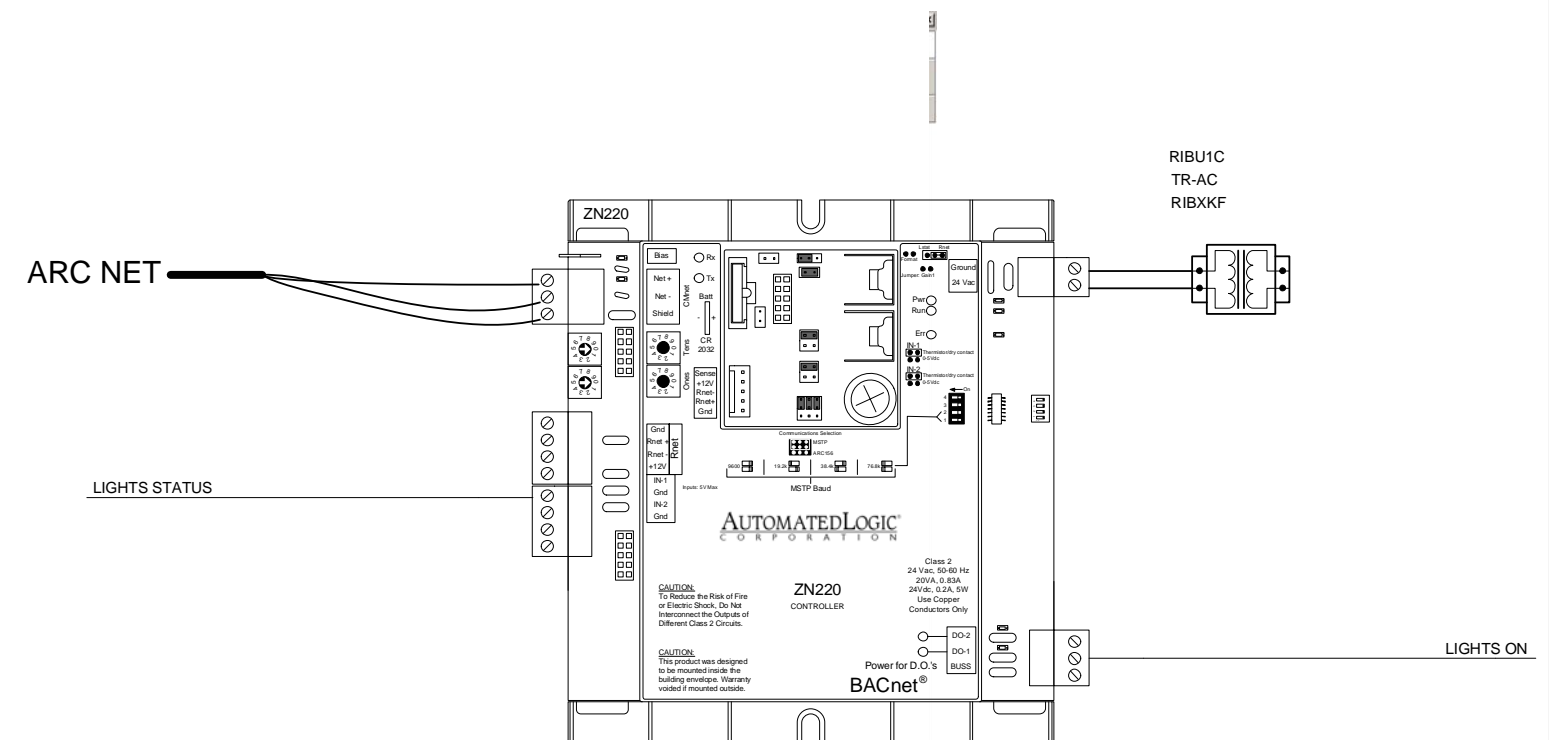
Bill of Materials				
DID	DESCRIPTION	MANUFACTURER	PART NUMBER	QTY
RIBU1C	RELAY	FUNCTIONAL DEVICES	RIBU1C	1 ea
RIBXKF	CURRENT SWITCH	FUNCTIONAL DEVICES	RIBXKF	1 ea
TR-AC	TRANSFORMER, MULTITAP 24VAC, 75VA	CORE COMPONENTS	LE1501	1 ea
ZN220	ZN220	AUTOMATED LOGIC	ZN220	1 ea





<b>OWEGO APALACHIN SCHOOLS</b> OWEGO, New York  <b>AIR TEMP HEATING &amp; AIR CONDITIONING, INC.</b> A LINC SERVICE @ CONTRACTOR			
<b>OUTDOOR LIGHTS POOL</b>			
REV: 1	As-Built	4/18/2011	JOB NO: P7809
			CHECK BY: RSL
			DSCODE: 07112.00
			42 of 45

# OUTDOOR LIGHTS STUDENT PARKING

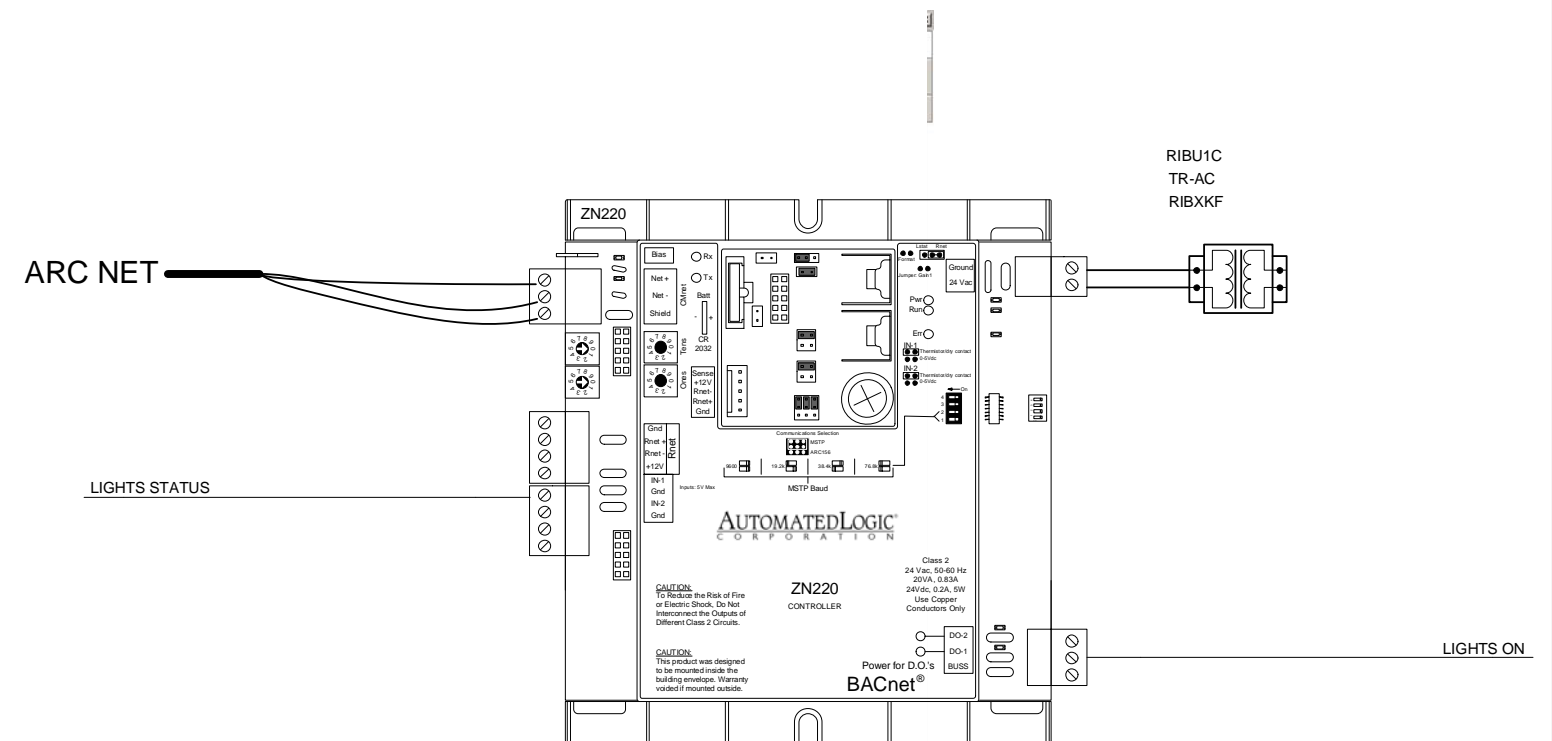
Bill of Materials				
DID	DESCRIPTION	MANUFACTURER	PART NUMBER	QTY
RIBU1C	RELAY	FUNCTIONAL DEVICES	RIBU1C	1 ea
RIBXKF	CURRENT SWITCH	FUNCTIONAL DEVICES	RIBXKF	1 ea
TR-AC	TRANSFORMER, MULTITAP 24VAC, 75VA	CORE COMPONENTS	LE1501	1 ea
ZN220	ZN220	AUTOMATED LOGIC	ZN220	1 ea





<b>OWEGO APALACHIN SCHOOLS</b> OWEGO, New York  A LINC SERVICE @ CONTRACTOR			
<b>OUTDOOR LIGHTS STUDENT PARKING</b>			
REV: 1	As-Built	4/18/2011	JOB NO: P7809
			CHECK BY: RSL
			DSCODE: 07112.00
			43 of 45

# OUTDOOR LIGHTS BACK PARKING



Bill of Materials				
DID	DESCRIPTION	MANUFACTURER	PART NUMBER	QTY
RIBU1C	RELAY	FUNCTIONAL DEVICES	RIBU1C	1 ea
RIBXKF	CURRENT SWITCH	FUNCTIONAL DEVICES	RIBXKF	1 ea
TR-AC	TRANSFORMER, MULTITAP 24VAC, 75VA	CORE COMPONENTS	LE1501	1 ea
ZN220	ZN220	AUTOMATED LOGIC	ZN220	1 ea



<b>OWEGO APALACHIN SCHOOLS</b> OWEGO, New York  <b>AIR TEMP HEATING &amp; AIR CONDITIONING, INC.</b> A LINC SERVICE @ CONTRACTOR			
<b>OUTDOOR LIGHTS BACK PARKING</b>			
REV: 1	As-Built	4/18/2011	JOB NO: P7809
			CHECK BY: RSL
			DSCODE: 07112.00
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# VALVE SCHEDULE

Qty	Tag	Datasheet	Valve Pattern	Pipe Size	Power	Flow [GPM]	DP	Req. Cv	Body Size	Valve Cv	Actual DP	Close Off Pressure	Valve Part Nr.	Actuator Part Nr.
2	uv locker ofa	B2B TFX24 S 300 500.pdf	2W	0.5		6	0.75	6.93	1/2"	7.4	0.7	200	B214B	TFX24-S US
1	VAV 01 OFA	B2B TR24 SR T 300 500.pdf	2W	0.5		5.5	5.02	2.45	1/2"	3	3.4	200	B212B	TR24-SR-T US
1	VAV 02 OFA	B2B TR24 SR T 300 500.pdf	2W	0.5		1.8	0.35	3.04	1/2"	3	0.4	200	B212B	TR24-SR-T US
1	VAV 04 OFA	B2B TR24 SR T 300 500.pdf	2W	0.5		1.8	0.35	3.04	1/2"	3	0.4	200	B212B	TR24-SR-T US
1	VAV 09 OFA	B2B TR24 SR T 300 500.pdf	2W	0.5		1.8	0.35	3.04	1/2"	3	0.4	200	B212B	TR24-SR-T US
1	VAV 11 OFA	B2B TR24 SR T 300 500.pdf	2W	0.5		1.8	0.35	3.04	1/2"	3	0.4	200	B212B	TR24-SR-T US
1	VAV 22 OFA	B2B TR24 SR T 300 500.pdf	2W	0.5		1.8	0.35	3.04	1/2"	3	0.4	200	B212B	TR24-SR-T US
1	VAV 03 OFA	B2B TR24 SR T 300 500.pdf	2W	0.5		3.3	1.56	2.64	1/2"	3	1.2	200	B212B	TR24-SR-T US
1	VAV 05 OFA	B2B TR24 SR T 300 500.pdf	2W	0.5		6.6	7.01	2.49	1/2"	3	4.8	200	B212B	TR24-SR-T US
1	VAV 16 OFA	B2B TR24 SR T 300 500.pdf	2W	0.5		6.6	7.01	2.49	1/2"	3	4.8	200	B212B	TR24-SR-T US
1	VAV 06 OFA	B2B TR24 SR T 300 500.pdf	2W	0.5		2.8	1.13	2.63	1/2"	3	0.9	200	B212B	TR24-SR-T US
1	VAV 07 OFA	B2B TR24 SR T 300 500.pdf	2W	0.5		1.1	0.13	3.05	1/2"	4.7	0.1	200	B213B	TR24-SR-T US
1	VAV 08 OFA	B2B TR24 SR T 300 500.pdf	2W	0.5		0.8	0.09	2.67	1/2"	3	0.1	200	B212B	TR24-SR-T US
1	VAV 10 OFA	B2B TR24 SR T 300 500.pdf	2W	0.5		3.3	1.52	2.68	1/2"	1.9	3	200	B211B	TR24-SR-T US
1	VAV 12 OFA	B2B TR24 SR T 300 500.pdf	2W	0.5		0.9	0.09	3	1/2"	3	0.1	200	B212B	TR24-SR-T US
1	VAV 13 OFA	B2B TR24 SR T 300 500.pdf	2W	0.5		5.1	4.37	2.44	1/2"	3	2.9	200	B212B	TR24-SR-T US
1	VAV 14 OFA	B2B TR24 SR T 300 500.pdf	2W	0.5		5.1	4.37	2.44	1/2"	3	2.9	200	B212B	TR24-SR-T US
1	VAV 15 OFA	B2B TR24 SR T 300 500.pdf	2W	0.5		2.1	0.56	2.81	1/2"	3	0.5	200	B212B	TR24-SR-T US
1	VAV 17 OFA	B2B TR24 SR T 300 500.pdf	2W	0.5		1.4	0.22	2.98	1/2"	3	0.2	200	B212B	TR24-SR-T US
1	VAV 18 OFA	B2B TR24 SR T 300 500.pdf	2W	0.5		1.7	0.3	3.1	1/2"	4.7	0.1	200	B213B	TR24-SR-T US
1	VAV 19 OFA	B2B TR24 SR T 300 500.pdf	2W	0.5		3.3	1.52	2.68	1/2"	3	1.2	200	B212B	TR24-SR-T US
1	VAV 20 OFA	B2B TR24 SR T 300 500.pdf	2W	0.5		12.4	4.29	5.99	1/2"	7.4	2.8	200	B214B	TR24-SR-T US
1	VAV 21 OFA	B2B TR24 SR T 300 500.pdf	2W	0.5		12.4	4.29	5.99	1/2"	7.4	2.8	200	B214B	TR24-SR-T US
1	VAV 23 OFA	B2B TR24 SR T 300 500.pdf	2W	0.5		1.4	0.22	2.98	1/2"	3	0.2	200	B212B	TR24-SR-T US
1	HX1MIX	F7 HS SY 24MFT.pdf	3W M/D	5		150	0.04	750	5"	1022	0	200	F7125HS	SY3-24MFT
1	HX1DIVRT	F7 HS SY 24MFT.pdf	3W M/D	5		150	0.04	750	5"	1022	0	200	F7125HS	SY3-24MFT
1	HX1GEO	F6 300SHP SY 24.pdf	2W	10		1080	1	1080	10"	3194	0.1	400	F6250-300SHP	SY5-24
1	V1E	G7 AF24 MFT.pdf	3W Mix	2.5		Matched	Matched	67	2-1/2"	68	Matched	35	G765	AF24-MFT-S US
1	V2E	G6 NVG24 MFT.pdf	2W	3		Matched	Matched	85	3"	90	Matched	42	G680	NVG24-MFT US
1	V3E	G7 NVG MFT.pdf	3W Mix	2		Matched	Matched	40	2"	41	Matched	93	G350	AF24-SR US
1	V4E-A	G7 NVG MFT.pdf	3W Mix	3		Matched	Matched	100	3"	85	Matched	41	G780	NVG24-MFT US
1	V4E-B	G7 NVG MFT.pdf	3W Mix	2		Matched	Matched	40	2"	41	Matched	93	G350	AF24-SR US
1	V10E	VS-8303-556-5-16	3W Mix	5		Matched	Matched	500	5"	500	Matched	125	VX7303	5/16/5565
1	RTU1	B3 AF24 SR.pdf	2W	0.75		25	0.2	53	1.5	51	0.2	200	B220VS	NF24-SR US
1	RTU2	B3 AF24 SR.pdf	2W	0.75		20	0.2	48.47	1.5	48	0.17	200	B220VS	NF24-SR US
1	RTU3	B3 AF24 SR.pdf	2W	0.75		18.5	0.17	51.3	1.5	51	0.13	200	B220VS	NF24-SR US
1	RTU4	B3 AF24 SR.pdf	2W	1.25		18.5	0.2	37	1.25	37	0.2	200	B232	AF24-SR US
5	V5E	G3 NF24 SR.pdf	3W Mix	1		Matched	Matched	14	1	14	Matched	168	G325	NF24-SR US
1	V7E	G7 AF24 SR.pdf	3W Mix	2.5		Matched	Matched	15	2-1/2"	14	Matched	35	G765	AF24-SR US
2	V8E	G3_LMB24_SRX1.pdf	3W Mix	0.5		Matched	Matched	4.4	1/2"	4.4	Matched	250	G315	LMB24-SRX1
2	V9E	G3_NF24_SR.pdf	3W Mix	1		Matched	Matched	15	1"	14	Matched	168	G325	NF24-SR US
4	Pump Station	G340_NV24	3W Mix	1.5		Matched	Matched	28	1-1/2"	28	Matched	250	G340	NF24-SR US
2	Pump Station	G350_NV24	3W Mix	2		Matched	Matched	41	2"	41	Matched	250	G350	NF24-SR US
2	RTU 1H 2H	B313BTF24SRTUS	3W Mix	0.5		Matched	Matched	4.7	1/2"	4.7	Matched	200	B313	TF24SRUS
1	RTU3H	B325BTF24SRTUS	3W Mix	1		Matched	Matched	30	1"	30	Matched	200	B325	LFR24SRUS
2	HVU 2&3	G332NV24	3W Mix	1.25		Matched	Matched	20	1-1/4"	20	Matched	250	G332	NF24-SR US
1	HVU 1	G340NV24	3W Mix	1.5		Matched	Matched	28	1-1/2"	28	Matched	250	G340	NF24-SR US
2	KTCHN RHT	VS-7313-812-4-6	3W Mix			Matched	Matched	6	3/4"	6	Matched	250	VS-313	Dura Drive
1	KTCHN RHT	VS-7313-812-4-4	3W Mix	0.5		Matched	Matched	2	1/2"	2	Matched	250	VS-313	Dura Drive
1	KTCHN RHT	VS-7313-812-4-2	3W Mix	0.5		Matched	Matched	4.4	1/2"	4.4	Matched	250	VS-313	Dura Drive
1	KTCHN RHT	VS-7313-812-4-8	3W Mix	0.75		Matched	Matched	7.5	3/4"	7.5	Matched	250	VS-313	Dura Drive
1	CUH 1	B217BTX24US	2W	0.75		4	0.8	4	3/4"	4.4	0.7	200	B217	TX24
3	CUH 2,4,5	B217BTX24US	2W	0.75		2	0.32	3.5	3/4"	4.4	0.4	200	B217	TX24
3	CUH 6,7,8	B217BTX24US	2W	0.75		3	0.65	3.7	3/4"	4.4	0.4	200	B217	TX24
1	UH9	B217BTX24US	2W	0.75		2	0.32	3.5	3/4"	4.4	0.4	200	B217	TX24
11	Convectors	B211BTX24US	2W	0.5		0.5	0.13	1.4	1/2"	1.9	0.4	200	B211	TX24
4	FT	B217BTFX24US	2W	0.75		Matched	Matched	4.7	3/4"		Matched	200	B217	TX24

<b>OWEGO APALACHIN SCHOOLS</b>			
OWEGO, New York			
 <b>AIR TEMP HEATING &amp; AIR CONDITIONING, INC.</b> A LINC SERVICE @ CONTRACTOR			
<b>VALVE SCHEDULE</b>			
REV: <input checked="" type="checkbox"/> 2	As-Built	4/18/2011	JOB NO: P7809
 <b>AUTOMATEDLOGIC</b> CORPORATION			CHECK BY: RSL
			DSCODE: 07112.00
<b>45 of 45</b>			