

WIRING LEGEND:

S.	SWITCH
(NONE)	SINGLE POLE TOGGLE SWITCH
2	TWO POLE TOGGLE SWITCH
3	THREE WAY TOGGLE SWITCH
4	FOUR WAY TOGGLE SWITCH
WP	SINGLE POLE WEATHER PROOF SWITCH
K	SINGLE POLE KEYED SWITCH
K2	TWO POLE KEYED SWITCH
K3	THREE WAY KEYED SWITCH
K4	FOUR WAY KEYED SWITCH
P	SINGLE POLE SWITCH WITH PILOT LIGHT
TM	SINGLE POLE SWITCH WITH ONE HOUR TIMER
T	THERMAL SWITCH
TP	THERMAL SWITCH WITH PILOT LIGHT
M	MOMENTARY CONTACT SWITCH
S ₁	ROMAN NUMERAL DESIGNATES NUMBER OF SWITCHES
S _a	LOWER CASE LETTER DESIGNATES SWITCH LEG
⌀	SINGLE RECEPTACLE
⏏	PLUG MOLD
⏏	DUPLEX RECEPTACLE
⏏	QUADRAPLEX RECEPTACLE
⏏	SPECIAL RECEPTACLE
GFI	GROUND FAULT CIRCUIT INTERRUPTER
WP	WEATHER PROOF IN-USE COVER
SS	SURGE SUPPRESSION
C	COUNTER HEIGHT
TR	TAMPER RESISTANT, UL LISTED
IG	ISOLATED GROUND
RT	RAIN TITE
E	EMERGENCY
X	TYPE X (SEE RECEPTACLE SCHEDULE)
⏏	POWER POLE
⏏	RECESSED FLOOR MOUNTED DUPLEX RECEPTACLE
⏏	SURFACE MOUNTED FLOOR RECEPTACLE
⏏	CEILING MOUNTED DUPLEX RECEPTACLE
C	CONDUIT
W	EXPOSED LOW VOLTAGE WIRING
—	HORIZONTAL NON-METALLIC WIREWAY WITH DATA JACK OUTLETS AND ISOLATED GROUND TYPE DUPLEX RECEPTACLES
—	VERTICAL NON-METALLIC WIREWAY WITH DATA JACK OUTLETS AND ISOLATED GROUND TYPE DUPLEX RECEPTACLES
WM	WIRE MOLD
J	JUNCTION BOX
F	FIRE SYSTEM
S	SECURITY SYSTEM
DIS	DISCONNECT SWITCH
DIS _{WP}	DISCONNECT SWITCH - WEATHER PROOF (NEMA 3R)
DIS _F	FUSED DISCONNECT SWITCH
DIS _{MS}	COMBINATION FUSED DISCONNECT/ MAGNETIC STARTER SWITCH
HOA	HAND/OFF/AUTO
SS	START/STOP
M	MANUAL STARTER
VSD	COMBINATION VARIABLE SPEED DRIVE AND DISCONNECT
VSD	VARIABLE SPEED DRIVE
ST/SP	PUSHBUTTON - START, STOP
ST/SP/PL	PUSHBUTTON - START, STOP, WITH PILOT LIGHT
UP/DN/SP	PUSHBUTTON - UP, DOWN, STOP
EF-1	MOTOR WITH DESIGNATOR
TC	TIME CLOCK
WH	WATER HEATER
HD	HAND DRYER, HARD WIRED
T	THERMOSTAT
HVP1-6	BRANCH CIRCUIT HOME RUN WITH PANEL NAME AND CIRCUIT NUMBER. QUANTITY OF ARROWHEADS DENOTES QUANTITY OF BRANCH CIRCUITS
CFI BKR.	CFI TYPE BREAKER
A.F. BKR.	ARC FAULT BREAKER
—	BRANCH CIRCUIT WIRING, PROVIDE QUANTITIES OF CONDUCTORS REQUIRED FOR CIRCUITING AND SWITCHING AS INDICATED
—	POWER LEG ONLY (NO SWITCH LEG BETWEEN ROOMS)
⌀	HARDWIRE CONNECTION
—	CONDUIT RISER UP
—	CONDUIT RISER DOWN
T	TRANSFORMER
T _K	TYPE "K" TRANSFORMER
⏏	MUSHROOM HEAD PUSH BUTTON (EMERGENCY STOP)
⏏	EMERGENCY BREAK GLASS STATION
—	GROUNDING ROD

SINGLE LINE DIAGRAM LEGEND:

⏏	EARTH GROUND
⏏	CHASSIS GROUND
45 KVA 480- 208/120V K-13	TRANSFORMER - KVA, PRIMARY AND SECONDARY VOLTAGE INDICATED. CONNECTIONS, K-RATING, AND SHIELD SPECIFIED
CT	CURRENT TRANSFORMER
PT	POTENTIAL TRANSFORMER
F	FUSE
DIS	DISCONNECT/LOADBREAK SWITCH
CB	CIRCUIT BREAKER
CB _{DM}	CIRCUIT BREAKER DRAWOUT MOUNTED (LOW VOLTAGE)
ATS	AUTOMATIC TRANSFER SWITCH (NORMAL POSITION SHOWN)
M	METER
ECB	ENCLOSED CIRCUIT BREAKER
LA	LIGHTNING ARRESTER
FDS	FUSED DISCONNECT SWITCH
PANEL 208-120V 225A	PANELBOARD - RATINGS AS SPECIFIED IN SINGLE LINE DIAGRAM AND ON PANELBOARD SCHEDULE

COMMUNICATIONS LEGEND:

☎	TELEPHONE (1) CAT3 - TELEPHONE JACK & CABLE
(NONE)	STANDARD MODULAR JACK FOR TELEPHONE
W	WALL MOUNTED TELEPHONE MODULAR JACK
P	PUBLIC TELEPHONE MODULAR JACK
C	COUNTER HEIGHT MODULAR JACK
☎	TELEPHONE FLOOR OUTLET (1) CAT3 - TELEPHONE JACK & CABLE
DA	DATA OUTLET WITH FLUSH BOX AND FACEPLATE (1) CAT5e - DATA JACK & CABLE
CO	COMPUTER FLOOR OUTLET (1) CAT5e - DATA JACK & CABLE
CT	COMBINATION TELEPHONE CABLE AND DATA OUTLETS IN DOUBLE GANG FLUSH MOUNTED BOX WITH FACEPLATE
WT	WIRELESS TRANSMITTER (PROVIDED BY OWNER) CONTRACTOR TO PROVIDE (2) CAT5e DATA JACKS & CABLING
1/0	BACK BOX FOR OWNER PROVIDED TEL/COM WIRING & DEVICES
DR	DATA RACK
COAX	COAX CABLE (TYPE F CONNECTOR)
CD	CEILING MOUNT LCD PROJECTOR
SPK	SPEAKER (PUBLIC ADDRESS) (NONE) CEILING MOUNTED W WALL MOUNTED
SPK	SPEAKER (LOCAL SOUND SYSTEM)
SPK	SPEAKER HORN
MPJ	MICROPHONE JACK
SPJ	SPEAKER JACK
VC	VOLUME CONTROL
C	CLOCK
DC	DOUBLE FACE CLOCK
CS	COMBINATION CLOCK AND SPEAKER
IC	INTERCOM STATION
PA	REMOTE PRE-AMPLIFIER AND PAGING MICROPHONE
CP	CONSOLE JACK
HL	HOUSE LIGHT CONTROL STATION
WB	WALL BOX AS SPECIFIED
FB	FLOOR BOX

NOTE:

SYMBOLS SHOWN ON THIS ELECTRICAL SYMBOLS LIST ARE FOR REFERENCE PURPOSES ONLY. ALL OF THESE SYMBOLS MAY NOT BE USED FOR THIS PROJECT.

FIRE/LIFE SAFETY LEGEND:

PA	FIRE ALARM PULL STATION
FB	FIRE ALARM BELL
HA	FIRE ALARM HORN
HA _{ST}	FIRE ALARM HORN AND STROBE COMBINATION
HA _{WP}	FIRE ALARM HORN AND STROBE COMBINATION, WEATHER PROOF
SA	FIRE ALARM SPEAKER
SA _C	FIRE ALARM SPEAKER - CEILING MOUNTED
SA _{ST}	FIRE ALARM SPEAKER AND STROBE COMBINATION
HA _{ST}	FIRE ALARM STROBE
SA _{ST}	FIRE ALARM STROBE - CEILING MOUNTED
SD	SMOKE DETECTOR
SD _{WG}	SMOKE DETECTOR WITH GUARD
CO	CARBON MONOXIDE DETECTOR
CH	NATURAL GAS SENSOR
HD	HEAT DETECTOR
SD _{HT}	COMBINATION SMOKE/HEAT DETECTOR
HT _F	HEAT DETECTOR - 190° FIXED TEMPERATURE
HT _{EXP}	HEAT DETECTOR - EXPLOSION PROOF
SD _{BT}	BEAM SMOKE DETECTOR TRANSMITTER
SD _{BR}	BEAM SMOKE DETECTOR RECEIVER
DD	DUCT DETECTOR
SA	INDICATES INSTALLATION IN SUPPLY AIR
SA	INDICATES INSTALLATION IN RETURN AIR
RTS	REMOTE TEST STATION FOR DUCT DETECTOR
R	FIRE ALARM SHUT DOWN RELAY
DO	FIRE DOOR HOLD OPEN
TS	TAMPER SWITCH
FS	FLOW SWITCH
PS	FIRE SUPPRESSION ANSUL SYSTEM CONNECTION
SD _{FD}	SMOKE DAMPER RELAY CONNECTION
SD	SMOKE DAMPER AND FIRE DAMPER
SD	SMOKE DAMPER
CM	CONTROL MODULE, ADDRESSABLE
RA	AREA OF RESCUE CALL STATION
RA _M	AREA OF RESCUE MASTER TELEPHONE STATION

SECURITY LEGEND:

SK	SECURITY KEY PAD
VC	VIDEO CAMERA
VCM	CCTV VIDEO MONITOR
DIR	PASSIVE INFRARED MOTION DETECTOR
PR	PROXIMITY CARD READER
C	CALL SWITCH
DC	DOOR CONTACT
WC	WINDOW CONTACT
ES	ELECTRIC STRIKE DOOR RELEASE
MR	MAGNETIC DOOR RELEASE

LIGHT FIXTURE LEGEND:

⏏	LIGHTING FIXTURE (SEE LIGHTING FIXTURE SCHEDULE FOR LETTER DESIGNATION AND DESCRIPTION OF FIXTURES)
⏏	EMERGENCY AND/OR NIGHT LIGHT LIGHTING FIXTURE
⏏	EXIT LIGHTING FIXTURE UNIVERSAL MOUNT, SINGLE/DOUBLE FACE (WHERE USED, ARROW INDICATES CHEVRON DIRECTION)
⏏	BATTERY POWERED EMERGENCY LIGHT
⏏	EMERGENCY LIGHT REMOTE HEAD
⏏	TRACK LIGHTING
⏏	POLE MOUNTED LIGHTING (QUANTITY AND ORIENTATION OF HEADS AS SHOWN)
⏏	OCCUPANCY SENSOR - CEILING MOUNTED
⏏	OCCUPANCY SENSOR - WALL MOUNTED
⏏	VACANCY SENSOR - CEILING MOUNTED
⏏	LIGHTING CONTACTOR
⏏	PHOTOCELL
S.	SWITCH
LV	LOW VOLTAGE 1-4 BUTTON STATION (CONNECT TO LIGHTING CONTROL STATION)
O	OCCUPANCY SENSOR SWITCH
D	DIMMER (INCANDESCENT)
D3	THREE WAY DIMMER (INCANDESCENT)
DF	DIMMER (FLUORESCENT)
DO	COMBINATION DIMMER/VACANCY SENSOR
DV	COMBINATION DIMMER/VACANCY SENSOR

PANEL LEGEND:

⏏	EXISTING ELECTRICAL PANEL
XXX	NEW ELECTRICAL PANEL
MDP	MAIN DISTRIBUTION PANEL
LVP	LOW VOLTAGE PANEL
HVP	HIGH VOLTAGE PANEL
LP	LIGHTING CONTROL PANEL
IGP	ISOLATED GROUND PANEL
MSB	MAIN SWITCH BOARD
MCC	MOTOR CONTROL CENTER
TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSION
ATS	AUTOMATIC TRANSFER SWITCH
XXX	ELECTRICAL SYSTEMS PANEL
SACP	SECURITY ALARM CONTROL PANEL
FACP	FIRE ALARM CONTROL PANEL
PA	PUBLIC ADDRESS CONTROL PANEL
FAAP	FIRE ALARM ANNUNCIATOR PANEL

ELECTRICAL PANELBOARD LABELING PLACARD

LINE 1 - PANELBOARD NAME: PP1 [EXAMPLE]
LINE 2 - VOLTAGE AND PHASES: 480/277V-3PH-4W [EXAMPLE]
LINE 3 - WHERE PANELBOARD IS FED FROM: FF MSB BREAKER #14 [EXAMPLE]

GENERAL ELECTRICAL NOTES:

- HATCHED AREAS DESIGNATE EXISTING EQUIPMENT TO BE REMOVED, UNLESS OTHERWISE NOTED.
- ALL WORK TO BE DONE IN ACCORDANCE WITH THE LATEST ADAPTATION OF THE NATIONAL ELECTRIC CODE (NFPA 70).
- CONTRACTOR SHALL FIELD VERIFY ALL CONDITIONS AND COORDINATE WITH EXISTING EQUIPMENT PRIOR TO BIDDING.

BUILDING:

- INSTALLATION HEIGHT TO CENTER OF EQUIPMENT ABOVE FINISHED FLOOR UNLESS OTHERWISE NOTED TO BE:
RECEPTACLE = 18"
SWITCH = 44"
MODULAR JACK FOR WALL MOUNTED TELEPHONE = 52"
MODULAR TELEPHONE JACK = 18"
AUDIO/VISUAL FIRE ALARM INDICATORS = 88"
FIRE ALARM PULL STATIONS = 48"
TELEVISION OUTLET = 7'-0"
COMPUTER OUTLET = 18"
CALL SWITCH = 44"
REMOTE TEST STATION FOR DUCT DETECTOR = 52"
C = ABOVE COUNTER BACKSPLASH, COORDINATE WITH ARCHITECTURAL ELEVATIONS AND MILLWORK.
- INSTALL DATA JACKS FOR CEILING MOUNTED WIRELESS TRANSMITTERS ABOVE CEILING IN ALL AREAS WHERE THERE IS AN ACCESSIBLE CEILING. PROVIDE FLUSH MOUNTED JACKS IN ALL HARD CEILINGS.

- ALL CONDUIT AND WIRING TO BE CONCEALED IN WALLS, FLOOR, OR ABOVE CEILINGS UNLESS OTHERWISE NOTED OR APPROVED BY THE ARCHITECT/ENGINEER. ALL DEVICE OUTLET BOXES SHALL BE RECESSED UNLESS OTHERWISE NOTED OR APPROVED BY THE ARCHITECT/ENGINEER. WHERE APPROVED OR NOTED, SURFACE METAL RACEWAY AND DEVICE BOXES SHALL BE USED IN LIEU OF CONDUIT AND CONCEALED BOXES AT NO EXTRA COST TO THE OWNER.

- ALL CONDUIT ROUTES SHOWN ARE APPROXIMATE ONLY. CONTRACTOR SHALL FIELD VERIFY FINAL ROUTE.
- CONDUIT RUNS SHOWN ARE SCHEMATICAL AND DO NOT INDICATE THE NECESSARY FITTINGS AND JUNCTION BOXES THAT ARE INCLUDED IN THE SCOPE OF THE WORK.

GROUNDING:

- ALL METAL RACEWAYS, INCLUDING CONDUIT, WIRE TROUGHS, WIREMOLD, ETC., SHALL BE GROUNDED. ALL CONNECTIONS IN METAL RACEWAYS SHALL BE COMPLETED IN SUCH A MANNER AS TO MAINTAIN A CONTINUOUS PATH TO GROUND THROUGHOUT THE ENTIRE LENGTH OF THE RACEWAY.

WIRING:

- UNLESS NOTED OTHERWISE ON THE DRAWINGS OR ON THE EQUIPMENT WIRING SCHEDULE, EACH BRANCH CIRCUIT SHALL BE THREE (3) #12 AWG THHN/THWN (1 HOT, 1 NEUTRAL & 1 EQUIPMENT GROUND) IN 3/4" EMT CONDUIT. PROTECT EACH CIRCUIT WITH A 20 AMPERE, 1-POLE OVERCURRENT DEVICE UNLESS OTHERWISE NOTED. PROVIDE #10 AWG FOR 120V BRANCH CIRCUITS LONGER THAN 100 FEET. COMBINED NEUTRALS ARE NOT PERMITTED.
- ALL NEW CIRCUIT BREAKERS TO BE INSTALLED IN EXISTING POWER PANELS SHALL MATCH THE AIC RATING OF THE PANELBOARD.

PROJECT INFORMATION

Project Number
13274.23

Client Name
SUFFERN CSD

Project Name
RP CONNOR - BOILER

CONVERSION

District Office Address
HILLBURN

SUFFERN CSD

13274.23

PROJECT ISSUE & REVISION SCHEDULE

No. Date Description

PROFESSIONAL STAMPS

SHEET INFORMATION

Issue
06/15/2023

Project Status
CD

Drawn By
AL

Checked By
JAS

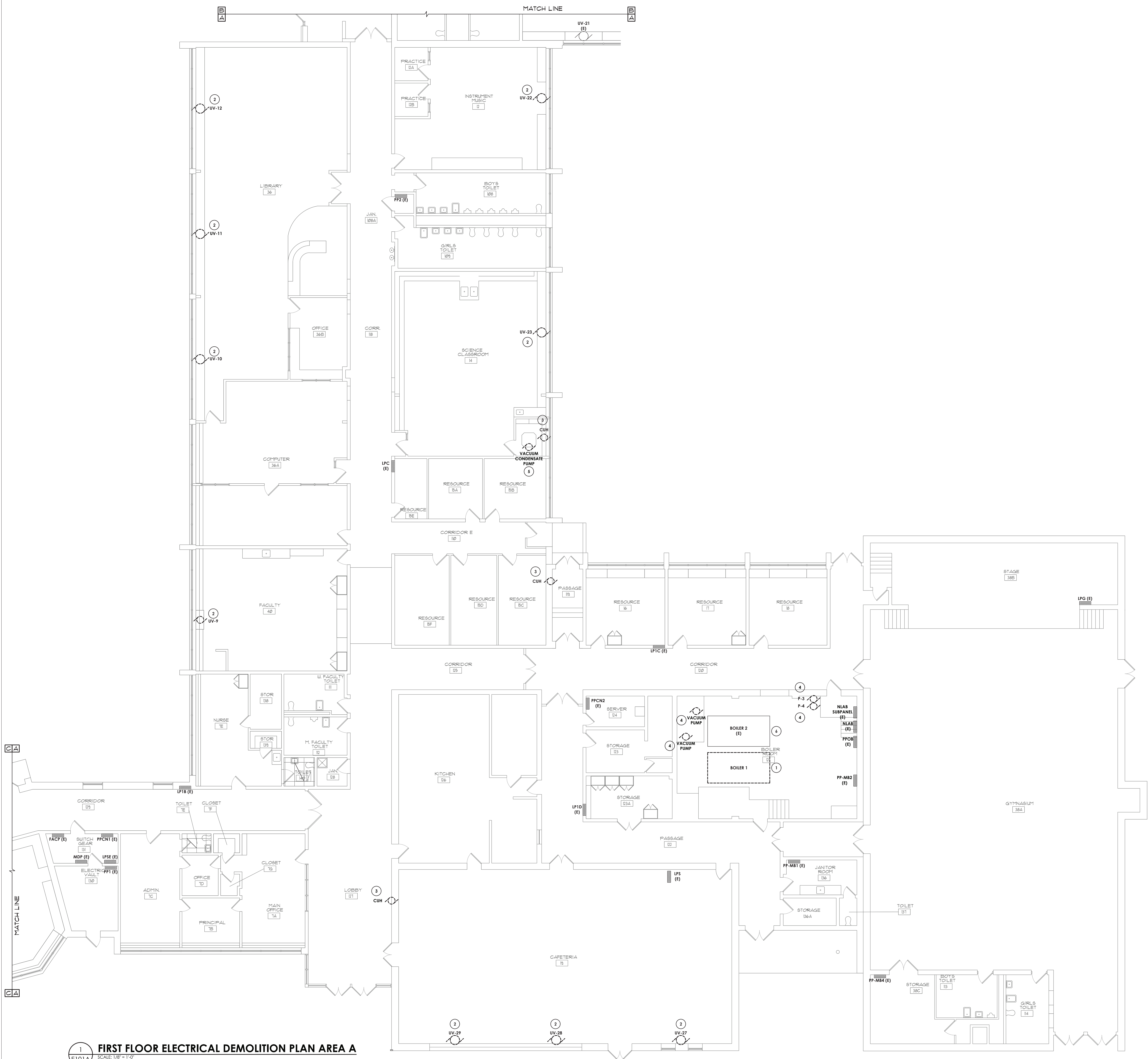
Drawing Title
ELECTRICAL SYMBOLS LEGENDS

AND CONTRACTOR NOTES

Drawing Number
RPC

E000

Sheet Size: 30x42
Drawing Name: S:\Project\1\ulfrum.csd\vp.connor-healing.com\1D_Design\06_CAD\AutoCAD\EELEC\1\RP-E101A.dwg
Date last accessed: 6/13/2023 1:03 PM
Date last plotted: 6/13/2023 1:18 PM
Plotted By: Andie Lowes

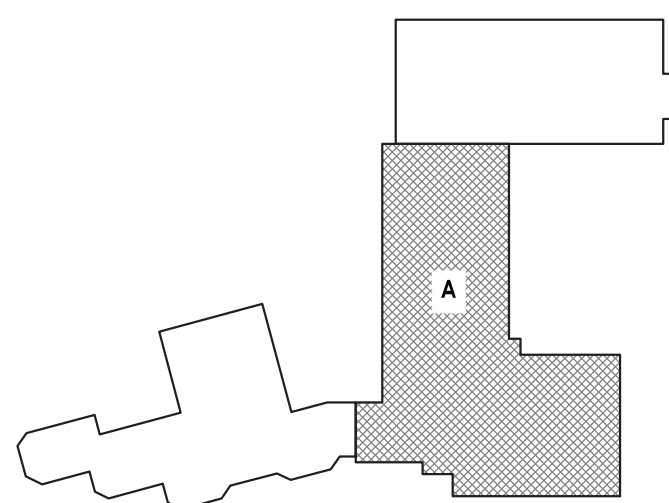


1 FIRST FLOOR ELECTRICAL DEMOLITION PLAN AREA A
E101A SCALE: 1/8" = 1'-0"

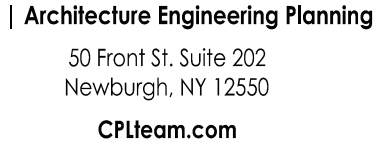
- GENERAL DEMOLITION NOTES:**
- ANY DEVICE, AS WELL AS ITS ASSOCIATED CIRCUITING, AND CONDUIT, LABELED "E" SHALL REMAIN, UNLESS OTHERWISE NOTED.
 - INFORMATION ON DRAWINGS WAS OBTAINED THROUGH FIELD OBSERVATION AND AS-BUILT DOCUMENTATION. THE CONTRACTOR IS RESPONSIBLE FOR THE REMOVAL AND REPLACEMENT OF ANY DEVICES AND CABLING THAT MAY NOT BE SHOWN ON DRAWING AT NO ADDITIONAL COST TO OWNER.
 - DRAWINGS ARE GRAPHICAL REPRESENTATIONS OF APPROXIMATE EQUIPMENT AND DEVICE LOCATIONS. CONTRACTOR SHALL VISIT THE SITE TO DETERMINE THE EXACT EXTENT OF ELECTRICAL WORK REQUIRED TO COMPLETE THE PROJECT. EXISTING CONDITIONS ARE TAKEN FROM FIELD OBSERVATION AND EXISTING BUILDING DOCUMENTS. OTHER ELECTRICAL ITEMS MAY EXIST FOR WHICH THE CONTRACTOR IS RESPONSIBLE AT NO ADDITIONAL COST.
 - REROUTING OF EXISTING MAY BE REQUIRED AT NEW OPENINGS IN EXISTING CONSTRUCTION OR INTERFERENCE WITH OTHER NEW WORK.
 - DRAWINGS INDICATE SPECIFIC ITEMS TO BE REMOVED AND/OR RELOCATED IN ORDER TO INDICATE GENERAL SCOPE. ADDITIONAL ITEMS NOT INDICATED, BUT NECESSARY FOR PROJECT RENOVATIONS, SHALL BE REMOVED, RELOCATED AND/OR REROUTED.
 - ALL ITEMS (DEVICES, FIXTURES, ETC.) SHOWN ARE TO BE REMOVED UNLESS LABELED AS EXISTING TO REMAIN - (E). THESE ITEMS AND THEIR RELATED WIRING/CONDUIT SHALL BE REMOVED BACK TO THE SOURCE CONTROL PANEL/PANELBOARD UNLESS OTHERWISE NOTED. ON CIRCUITS WHERE OTHER DEVICES, FIXTURES, ETC. ARE FOUND THAT MUST REMAIN, MAINTAIN CIRCUIT CONTINUITY BY PROVIDING ADDITIONAL WIRING, TO FEED THROUGH TO THESE REMAINING ITEMS. RELOCATE ANY CIRCUITS THAT REMAIN, TO AVOID CONFLICT WITH NEW CONSTRUCTION AS REQUIRED. PROPERLY TERMINATE ALL WIRING.
 - ALL STEAM UNIT VENTILATORS AND CABINET UNIT HEATERS TO BE REMOVED DURING PHASE 2. STEAM SYSTEM SHALL REMAIN OPERATIONAL DURING PHASE 1.
 - SEE DRAWINGS H700 AND H701 FOR BOILER ROOM PHASING DRAWINGS.

- KEY NOTES:**
- DISCONNECT AND REMOVE CONDUIT AND WIRE FROM BOILER B1-PHASE 1, BACK TO SOURCE PANEL IN ITS ENTIRETY.
 - DISCONNECT CONDUIT AND WIRE FROM UNIT VENTILATORS, PULL BACK TO AN AREA OUTSIDE OF DEMOLITION AND TAG FOR RE-USE.
 - DISCONNECT CONDUIT AND WIRE FROM CABINET UNIT HEATER, PULL BACK TO AN AREA OUTSIDE OF DEMOLITION AND TAG FOR RE-USE.
 - DISCONNECT AND REMOVE ALL CONDUIT AND WIRING FROM PUMPS BACK TO SOURCE.
 - DISCONNECT AND REMOVE ALL CONDUIT AND WIRING FROM VACUUM CONDENSATE RETURN PUMP BACK TO SOURCE PANEL IN ITS ENTIRETY.
 - DISCONNECT AND REMOVE CONDUIT AND WIRE FROM BOILER B2-PHASE 2, BACK TO SOURCE PANEL IN ITS ENTIRETY.

KEY PLAN:



SHEET INFORMATION	
Issue:	Scale:
06/15/2023	AS NOTED
Project Status:	
CD	
Drawn By:	Checked By:
AL	JAS
Drawing Title:	
FIRST FLOOR ELECTRICAL DEMOLITION PLAN AREA A	
Drawing Number:	Revision Number:
E101A	



- A. ANY DEVICE, AS WELL AS ITS ASSOCIATED CIRCUITING, AND CONDUIT, LABELED "[E]" SHALL REMAIN, UNLESS OTHERWISE NOTED.
- B. INFORMATION ON DRAWINGS WAS OBTAINED THROUGH FIELD OBSERVATION AND AS-BUILT DOCUMENTATION. THE CONTRACTOR IS RESPONSIBLE FOR THE REMOVAL AND RELOCATION OF ANY DEVICES, BUILDINGS AND CABLES THAT MAY NOT BE SHOWN ON DRAWING AT NO ADDITIONAL COST TO OWNER.
- C. DRAWINGS ARE GRAPHICAL REPRESENTATIONS OF APPROXIMATE EQUIPMENT AND DEVICE LOCATIONS. CONTRACTOR SHALL VISIT THE SITE TO DETERMINE THE EXACT EXTENT OF ELECTRICAL WORK REQUIRED TO COMPLETE THE PROJECT. EXISTING CONDITIONS ARE TAKEN FROM FIELD OBSERVATION AND AS-BUILT DOCUMENTATION. EXISTING ELECTRICAL ITEMS MAY EXIST FOR WHICH THE CONTRACTOR IS RESPONSIBLE AT NO ADDITIONAL COST.
- D. REROUTING OF EXISTING MAY BE REQUIRED AT NEW OPENINGS IN EXISTING CONSTRUCTION OR INTERFERENCE WITH OTHER NEW WORK.
- E. DRAWINGS INDICATE SPECIFIC ITEMS TO BE REMOVED AND/OR RELOCATED IN ORDER TO INDICATE GENERAL SCOPE. ADDITIONAL ITEMS NOT INDICATED, BUT NECESSARY FOR PROJECT RENOVATIONS, SHALL BE REMOVED, RELOCATED AND/OR REROUTED.
- F. ALL ITEMS (DEVICES, FIXTURES, ETC.) SHOWN ARE TO BE REMOVED UNLESS LABELED AS EXISTING TO REMAIN - [E]. THESE ITEMS AND THEIR RELATED WIRING/CONDUIT SHALL BE BROUGHT BACK TO THE SOURCE CONTROL PANEL/PANELBOARD UNLESS OTHERWISE NOTED. ON CIRCUITS WHERE OTHER DEVICES, FIXTURES, ETC. ARE FOUND THAT MUST REMAIN, MAINTAIN CIRCUIT CONTINUITY BY PROVIDING AN ADDITIONAL WIRING TO FEED THROUGH TO THESE REMAINING ITEMS. RELOCATE ANY CIRCUITS THAT REMAIN, TO AVOID CONFLICT WITH NEW CONSTRUCTION AS REQUIRED. PROPERLY TERMINATE ALL WIRING.
- G. ALL STEAM JUNIT VENTILATORS AND CABINET UNIT HEATERS TO BE REMOVED DURING PHASE 2. STEAM SYSTEM SHALL REMAIN OPERATIONAL DURING PHASE 2.

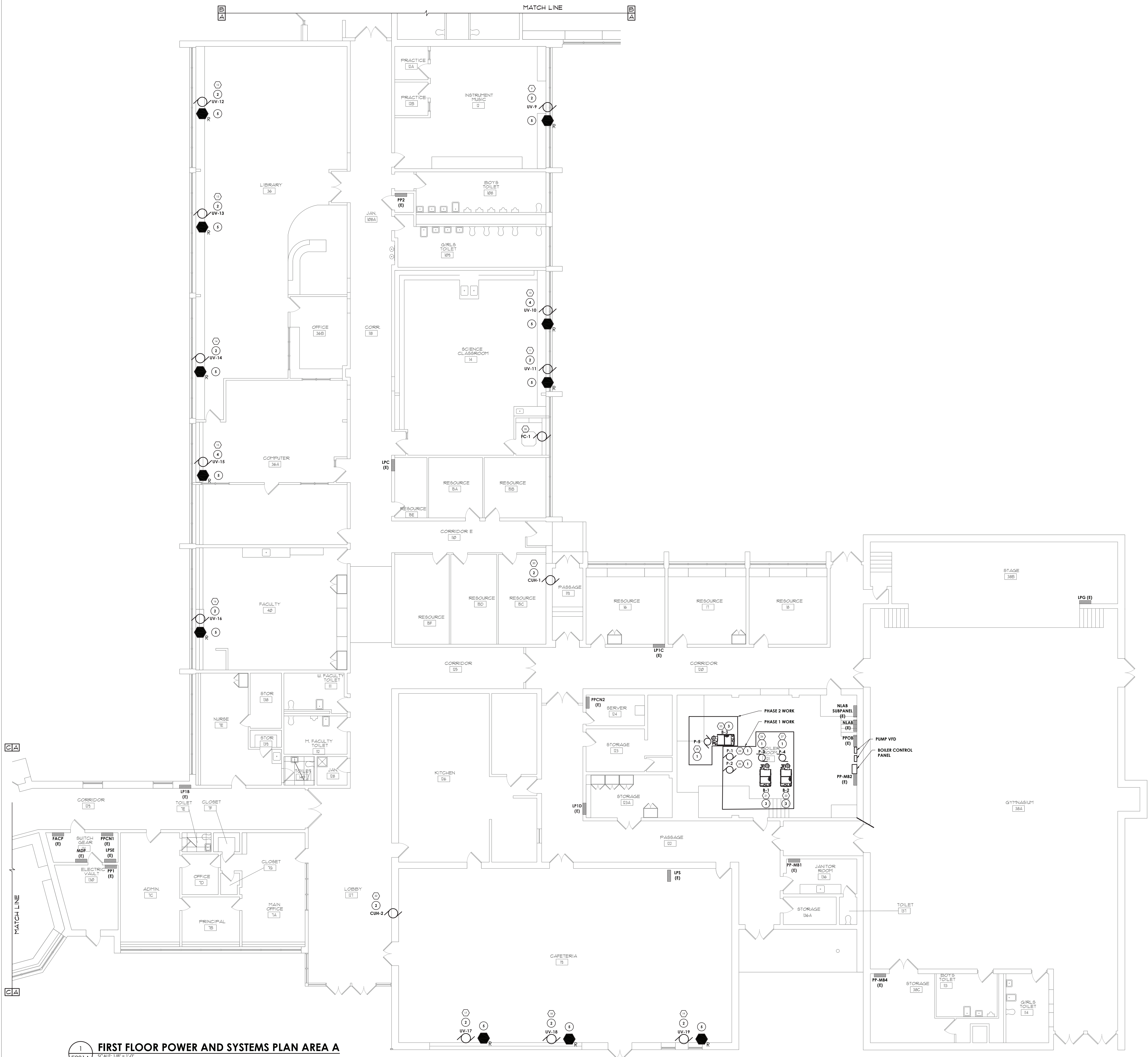
- 1 DISCONNECT CONDUIT AND WIRE FROM UNIT VENTILATORS, PULL BACK TO AN AREA OUTSIDE OF DEMOLITION AND TAG FOR RE-USE.
- 2 DISCONNECT CONDUIT AND WIRE FROM CABINET UNIT HEATERS, PULL BACK TO AN AREA OUTSIDE OF DEMOLITION AND TAG FOR RE-USE.



1296.23
 Client Name
SUFFERN CSD
 Project Name
**P CONNOR - BOILER
 CONVERSION**
 Project Address
CLLBURN
PROJECT ISSUE & REVISION SCHEDULE
 Date Description

[illegible]

Sheet Size: 30x42
Drawing Name: S:\Project\Wulfem.csd\p\connor-healing.com\1D_Design\06_CAD\AutoCAD\ELEC\KZRP-E201A.dwg
Date last accessed: 6/13/2023 12:15 PM
Date last plotted: 6/13/2023 1:18 PM
Plotted By: Andrie Lowes



1 FIRST FLOOR POWER AND SYSTEMS PLAN AREA A
SCALE: 1/8" = 1'-0"

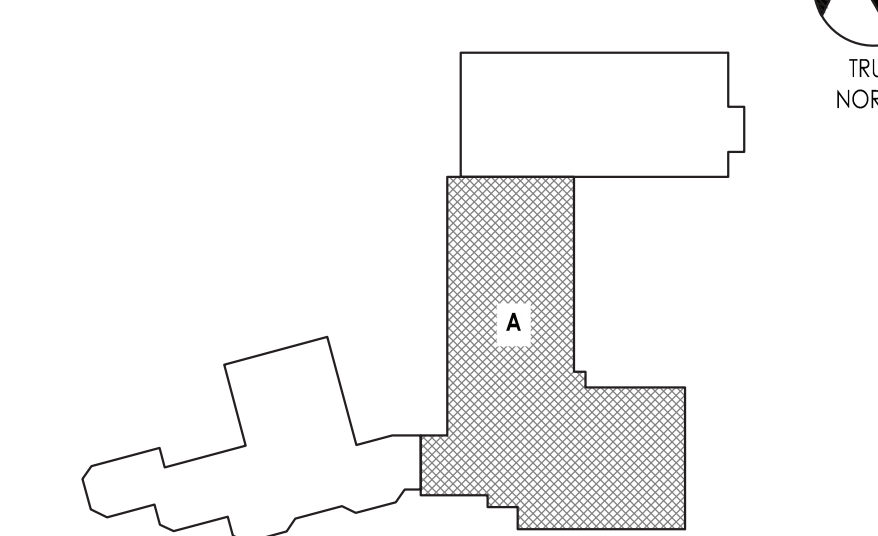
GENERAL NOTES:

- EQUIPMENT LOCATIONS SHOWN ARE APPROXIMATE AND FOR REFERENCE ONLY. CONTRACTOR SHALL CONFIRM EXACT LOCATIONS OF EQUIPMENT WITH OTHER TRADES PRIOR TO INSTALLATION.
- REFER TO ELECTRICAL EQUIPMENT SCHEDULE ON SHEET RPE200 FOR EQUIPMENT TAG () CIRCUITING INFORMATION.
- (E) - EXISTING TO REMAIN. ANY DEVICE, EQUIPMENT, ETC. LABELED AS "(E)" IS EXISTING TO REMAIN UNLESS NOTED OTHERWISE.
- (RL) - RELOCATED. ANY DEVICE, EQUIPMENT, ETC. LABELED AS "(RL)" IS RELOCATED EXISTING. DEVICE/EQUIPMENT SHALL BE REINSTALLED AT LOCATION INDICATED. REWORK/EXTEND CABLING AND CONDUIT TO NEW LOCATION AS REQUIRED.
- DISCONNECT SWITCHES FOR MECHANICAL EQUIPMENT TO BE FURNISHED AND INSTALLED BY THE MECHANICAL CONTRACTOR AND WIRED BY THE ELECTRICAL CONTRACTOR.
- PROVIDE #10 THHN FOR ALL CIRCUITS OVER 75'.

KEY NOTES:

- PROVIDE CONNECTION TO NEW PUMP. NEW CIRCUIT BREAKER SHALL BE UL LISTED AND MATCH EXISTING PANELBOARD A.I.C. RATING.
- CONNECT NEW UNIT VENTILATORS TO EXISTING TAGGED CIRCUITRY. REWORK/EXTEND WIRING AS NECESSARY TO ACCOMMODATE NEW UNITS.
- PROVIDE POWER TO NEW BOILER AND CONTROL PANEL. CONNECT TO NEW 20/1 CIRCUIT BREAKER IN PANEL "FED FROM NLAS" WITH (2) #12, #12G IN 3/4" CONDUIT UNLESS NOTED OTHERWISE. NEW CIRCUIT BREAKER SHALL BE UL LISTED AND MATCH EXISTING PANELBOARD A.I.C. RATING.
- PROVIDE POWER TO NEW UNIT VENTILATOR. SEE DRAWING E900 FOR FURTHER INFORMATION ABOUT QUANTITY AND SIZE OF WIRING/CONDUIT.
- PROVIDE FAN SHUTDOWN RELAYS AT HVAC EQUIPMENT CONTROLS. INTERCONNECT RELAYS TO BUILDING FIRE ALARM SYSTEM TO SHUTDOWN FAN MOTORS WHEN THE FIRE ALARM IS ACTIVATED. WIRE BACK TO EXISTING FACP LOCATED IN FIRST FLOOR SWITCHGEAR ROOM 131.

KEY PLAN:



PROJECT INFORMATION

Project Number: 13294.23
Client Name: SUFFERN CSD
Project Name: RP CONNOR - BOILER CONVERSION
Project Address: HILLBURN

PROJECT ISSUE & REVISION SCHEDULE

Rev. Date Description

PROFESSIONAL STAMPS

NEW YORK REGISTERED ARCHITECT

THIS IS A NOTATION OF THE NEW YORK STATE EDUCATION LAW AND THE COMMISSIONER'S REGULATION OF THE PROFESSION OF ARCHITECTURE. THE ARCHITECT OF A PROJECT MUST BE REGISTERED IN THE STATE OF NEW YORK AND MUST BE A MEMBER OF THE NEW YORK STATE ARCHITECTURAL SOCIETY. THE ARCHITECT MUST BE A MEMBER OF THE NEW YORK STATE ARCHITECTURAL SOCIETY AND THE NEW YORK STATE ARCHITECTURAL SOCIETY MUST BE A MEMBER OF THE NEW YORK STATE ARCHITECTURAL SOCIETY.

SHEET INFORMATION

Issue: 06/15/2023 Scale: AS SHOWN
Project Status: CD
Drawn By: AL
Checked By: JAS
Drawing Title: FIRST FLOOR POWER AND SYSTEMS PLAN AREA A

Drawing Number: Revision Number

RPC
E201A

ELECTRICAL EQUIPMENT SCHEDULE										
ITEM NUMBER	EQUIPMENT	ROOM NO.	HP/FLA	VOLTS	PAHSE	AMPS	BREAKER SIZE/FUSE SIZE	WIRE/CONDUIT SIZE	PANEL/CCT	REMARKS
1	UNIT VENTILATOR UV-1	1 KINDERGARTEN	1/3HP	120	1	6.3	-	EXISTING	EXISTING	1.2
2	UNIT VENTILATOR UV-2	2 KINDERGARTEN	1/3HP	120	1	6.3	-	EXISTING	EXISTING	1.2
3	UNIT VENTILATOR UV-3	3 FIRST GRADE	1/3HP	120	1	6.3	-	EXISTING	EXISTING	1.2
4	UNIT VENTILATOR UV-4	4 FIRST GRADE	1/3HP	120	1	6.3	-	EXISTING	EXISTING	1.2
5	UNIT VENTILATOR UV-5	5 FIRST GRADE	1/3HP	120	1	6.3	-	EXISTING	EXISTING	1.2
6	UNIT VENTILATOR UV-6	6 FIRST GRADE	1/3HP	120	1	6.3	-	EXISTING	EXISTING	1.2
7	UNIT VENTILATOR UV-7	8 KINDERGARTEN	1/3HP	120	1	6.3	-	EXISTING	EXISTING	1.2
8	UNIT VENTILATOR UV-8	9 KINDERGARTEN	1/3HP	120	1	6.3	-	EXISTING	EXISTING	1.2
9	UNIT VENTILATOR UV-9	12 MUSIC	1/3HP	120	1	6.3	-	EXISTING	EXISTING	1.2
10	UNIT VENTILATOR UV-10	14 SCIENCE	1/3HP	120	1	6.3	-	EXISTING	EXISTING	1.2
11	UNIT VENTILATOR UV-11	14 SCIENCE	1/3HP	120	1	6.3	-	EXISTING	EXISTING	1.2
12	UNIT VENTILATOR UV-12	36 LIBRARY	1/3HP	120	1	6.3	-	EXISTING	EXISTING	1.2
13	UNIT VENTILATOR UV-13	36 LIBRARY	1/3HP	120	1	6.3	-	EXISTING	EXISTING	1.2
14	UNIT VENTILATOR UV-14	36 LIBRARY	1/3HP	120	1	6.3	-	EXISTING	EXISTING	1.2
15	UNIT VENTILATOR UV-15	36A COMPUTER	1/3HP	120	1	6.3	-	EXISTING	EXISTING	1.2
16	UNIT VENTILATOR UV-16	40 FACULTY	1/3HP	120	1	6.3	-	EXISTING	EXISTING	1.2
17	UNIT VENTILATOR UV-17	19 CAFETERIA	1/3HP	120	1	6.3	-	EXISTING	EXISTING	1.2
18	UNIT VENTILATOR UV-18	19 CAFETERIA	1/3HP	120	1	6.3	-	EXISTING	EXISTING	1.2
19	UNIT VENTILATOR UV-19	19 CAFETERIA	1/3HP	120	1	6.3	-	EXISTING	EXISTING	1.2
20	CABINET UNIT HEATER CUH-1	119 PASSAGE	1/4HP	120	1	2.8	-	EXISTING	EXISTING	1
21	B-1	BOILER ROOM	16A	120	1	16	20/1	(2)#12, #12G IN 3/4"C	NLAB SUB PANEL	1.3
22	B-2	BOILER ROOM	16A	120	1	16	20/1	(2)#12, #12G IN 3/4"C	NLAB SUB PANEL	1.3
23	B-3	BOILER ROOM	16A	120	1	16	20/1	(2)#12, #12G IN 3/4"C	NLAB SUB PANEL	1.3
24	P-1	BOILER ROOM	10HP	208	3	30.8	40/3	(3)#8, #8G IN 3/4"C	PPCN2	1.3,4
25	P-2	BOILER ROOM	10HP	208	3	30.8	40/3	(3)#8, #8G IN 3/4"C	PPCN2	1.3,4
26	P-3	BOILER ROOM	2HP	208	3	6.9	15/3	(3)#12, #12G IN 3/4"C	NLAB SUB PANEL	1.3
27	P-4	BOILER ROOM	2HP	208	3	6.9	15/3	(3)#12, #12G IN 3/4"C	NLAB SUB PANEL	1.3
28	P-5	BOILER ROOM	2HP	208	3	6.9	15/3	(3)#12, #12G IN 3/4"C	NLAB SUB PANEL	1.3
29	EF-1	ROOF	1/3HP	120	1	7.2	20/1	(2)#10, #10G IN 3/4"C	LP1C	1.2,3
30	EF-2	ROOF	1/4HP	120	1	3.8	20/1	(2)#10, #10G IN 3/4"C	LP1C	1.2,3
31	EF-3	ROOF	1/4HP	120	1	5.8	20/1	(2)#10, #10G IN 3/4"C	LP1B	1.2,3
32	CABINET UNIT HEATER CUH-2	121 LOBBY	1/4HP	120	1	2.8	-	EXISTING	EXISTING	1
33	CABINET UNIT HEATER CUH-3	135 CORRIDOR	1/4HP	120	1	2.8	-	EXISTING	EXISTING	1
34	CABINET UNIT HEATER CUH-4	8 KIDERGARTEN	1/4HP	120	1	2.8	-	EXISTING	EXISTING	1
35	FAN COIL UNIT FC-1	14 SCIENCE	1.5A	120	1	1.5	20/1	(2)#12, #12G IN 3/4"C	PP2 - 30	1.3
36	CONDENSER CU-1	ROOF	26.2A	208	1	26.2	45/2	(2)#8, #10G IN 3/4"C	PPCN1	1.2,3
37	CONDENSER CU-2	ROOF	26.2A	208	1	26.2	45/2	(2)#8, #10G IN 3/4"C	PPCN1	1.2,3
38	CONDENSER CU-3	ROOF	26.2A	208	1	26.2	45/2	(2)#8, #10G IN 3/4"C	PPCN1	1.2,3
39	CONDENSER CU-4	ROOF	26.2A	208	1	26.2	45/2	(2)#8, #10G IN 3/4"C	PPCN1	1.2,3
REMARKS:		1. ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR THE MOUNTING, AND LINE/LOAD SIDE CONNECTIONS OF DISCONNECT AND/OR STARTER DEVICE ASSOCIATED WITH UNIT. MEANS OF DISCONNECT AND/OR STARTER ASSOCIATED WITH UNIT PROVIDED BY MECHANICAL CONTRACTOR. ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR ALL FINAL CONNECTIONS TO EQUIPMENT.								
		2. PROVIDE FIRE ALARM FAN SHUTDOWN.								
		3. PROVIDE CIRCUIT BREAKER NOTED IN PANEL. UTILIZE EXISTING BREAKERS IF AVAILABLE. ALL NEW CIRCUIT BREAKERS SHALL MATCH AIC RATING OF PANEL AND BE UL LISTED AND LABELED.								
		4. PUMPS TO BE WIRED THRU VFD UTILIZING WIRING NOTED.								