



WIRING LEGEND:

Table with 2 columns: Symbol and Description. Includes switches (S, S1, S2, S3), receptacles (single, duplex, quadraplex, special), plug molds, conduits, wireway, wire mold, junction boxes, disconnect switches, manual starters, pushbuttons, motors, time clocks, water heaters, hand dryers, thermostats, branch circuit wiring, power legs, hardwire connections, conduit risers, transformers, emergency break glass stations, and grounding rods.

SINGLE LINE DIAGRAM LEGEND:

Table with 2 columns: Symbol and Description. Includes earth/chassis ground, transformer, current/potential transformers, fuses, disconnect/loadbreak switches, circuit breakers, automatic transfer switches, meters, enclosed circuit breakers, lightning arresters, fused disconnect switches, and panelboards.

FIRE/LIFE SAFETY LEGEND:

Table with 2 columns: Symbol and Description. Includes fire alarm pull stations, bells, horns, strobe combinations, speakers, strobes, smoke detectors, carbon monoxide detectors, natural gas sensors, heat detectors, duct detectors, and fire alarm control panels.

LIGHT FIXTURE LEGEND:

Table with 2 columns: Symbol and Description. Includes lighting fixtures, emergency/night light fixtures, battery powered emergency lights, track lighting, pole mounted lighting, occupancy sensors, vacancy sensors, lighting contactors, photocells, and switches.

PANEL LEGEND:

Table with 2 columns: Symbol and Description. Includes existing and new electrical panels, main distribution panels, high/low voltage panels, lighting control panels, ground panels, motor control centers, and automatic transfer switches.

COMMUNICATIONS LEGEND:

Table with 2 columns: Symbol and Description. Includes telephone and data jacks/cables, floor outlets, computer outlets, combination telephone/data outlets, wireless transmitters, back boxes, data racks, coax cables, projectors, speakers, microphone jacks, volume controls, clocks, intercom stations, pre-amplifiers, console jacks, house light control stations, wall boxes, and floor boxes.

SECURITY LEGEND:

Table with 2 columns: Symbol and Description. Includes security key pads, video cameras, CCTV monitors, motion detectors, proximity card readers, call switches, door contacts, window contacts, electric strike door releases, and magnetic door releases.

ELECTRICAL PANELBOARD LABELING PLACARD

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

GENERAL ELECTRICAL NOTES:

- 1) HATCHED AREAS designate existing equipment to be removed, unless otherwise noted.
- 2) ALL WORK TO BE DONE IN ACCORDANCE WITH THE LATEST ADAPTION OF THE NATIONAL ELECTRIC CODE (NFPA 70).
- 3) CONTRACTOR SHALL FIELD VERIFY ALL CONDITIONS AND COORDINATE WITH EXISTING EQUIPMENT PRIOR TO BIDDING.
- 4) 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" AUDIOVISUAL 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 BACKSPASH, COORDINATE WITH ARCHITECTURAL ELEVATIONS AND MILLWORK.
- 5) 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.
- 6) 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.
- 7) ALL CONDUIT ROUTES SHOWN ARE APPROXIMATE ONLY. CONTRACTOR SHALL FIELD VERIFY FINAL ROUTE.
- 8) 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:

- 9) 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:

- 10) 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.
- 11) ALL NEW CIRCUIT BREAKERS TO BE INSTALLED IN EXISTING POWER PANELS SHALL MATCH THE AIC RATING OF THE PANELBOARD.

NOTE:

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

PROJECT INFORMATION

Project Number: 13294_23
Client Name: SUFFERN CSD

Project Name: RP CONNOR - BOILER CONVERSION

District Office Address: HILLBURN

SUFFERN CSD

100 Hillburn Rd, Hillburn, NY 12528

PROJECT ISSUE & REVISION SCHEDULE

No. Date Description

PROFESSIONAL STAMPS

SHEET INFORMATION

Issue: 06/15/2023 Scale: NOT TO SCALE
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\Hillburn csd\wp connor hearing.com\Design\08_CAD\AutoCAD\ELECTRICAL\LEGEND AND CONTRACTOR NOTES.dwg
Date last modified: 6/13/2023 1:17 PM
Date last accessed: 6/12/2023 3:39 PM
Plotter: By: Andre Lowes



PROJECT INFORMATION

Project Number: 13274.23
Client Name: SUFFERN CSD
Project Name: RP CONNOR - BOILER CONVERSION
Project Address: HILLBURN

PROJECT ISSUE & REVISION SCHEDULE

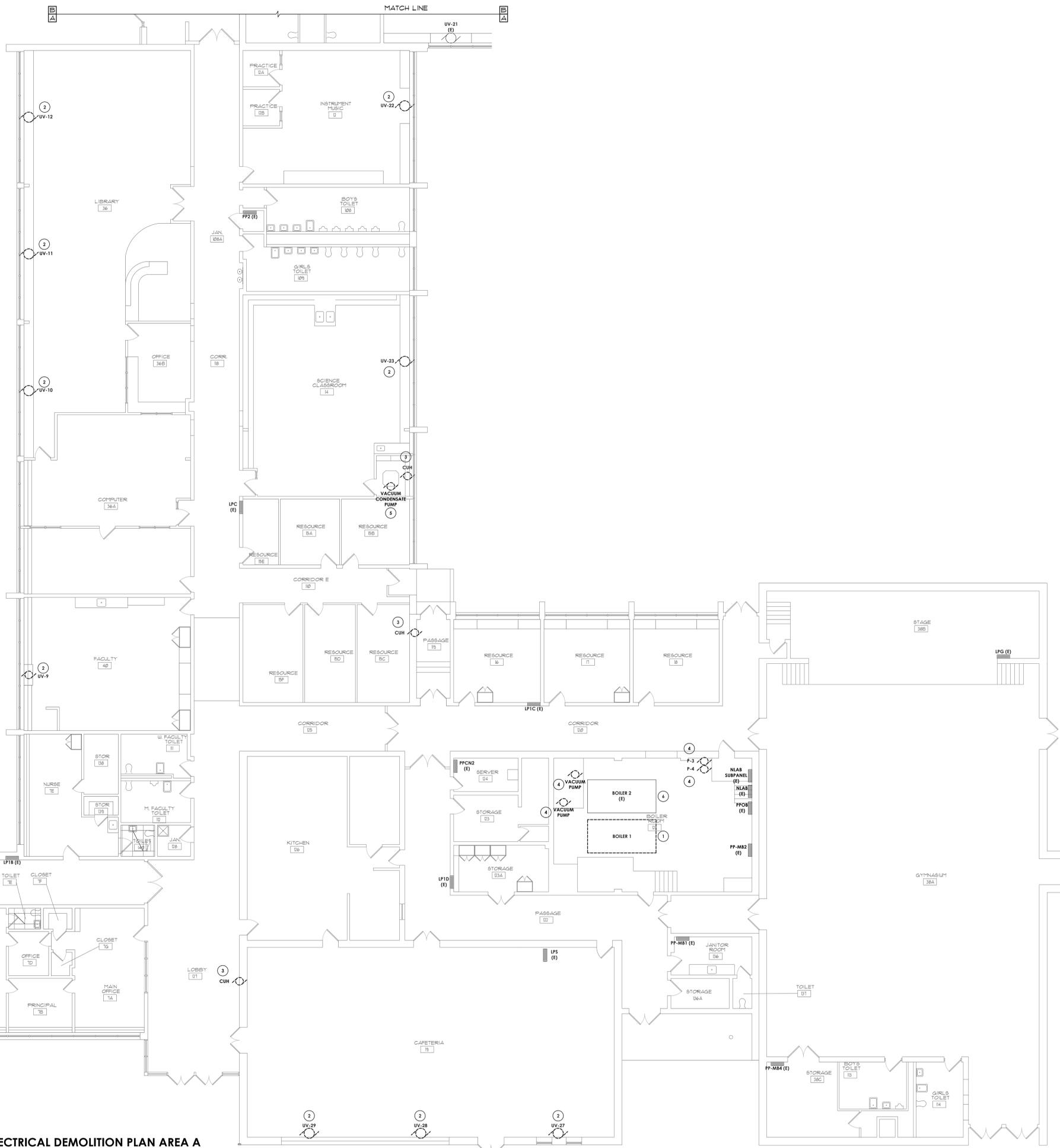
No. Date Description

GENERAL DEMOLITION NOTES:

- 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 REPLACEMENT OF ANY DEVICES AND CABLING 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 EXISTING BUILDING DOCUMENTS. OTHER 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 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.
- G. ALL STEAM UNIT VENTILATORS AND CABINET UNIT HEATERS TO BE REMOVED DURING PHASE 2. STEAM SYSTEM SHALL REMAIN OPERATIONAL DURING PHASE 1.
- H. SEE DRAWINGS H700 AND H701 FOR BOILER ROOM PHASING DRAWINGS.

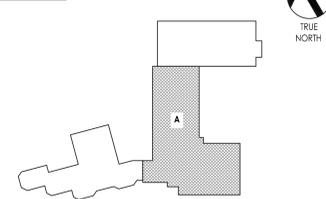
KEY NOTES:

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



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

KEY PLAN:



PROFESSIONAL STAMPS

NEW YORK REGISTERED DOCUMENT
THIS IS A SEPARATE DOCUMENT FROM THE ORIGINAL DRAWING AND IS NOT TO BE USED AS A REFERENCE FOR ANY OTHER DRAWING. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE ACCURACY OF ALL INFORMATION AND FOR OBTAINING THE NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING THE NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING THE NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES.

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

Drawing Number: Revision Number:
RPC E101A

Sheet Size: 30x42
Drawing Name: S:\Project\Hillburn\cpl\p\concor\heating\cpl\Design\06_CAD\AutoCAD\ELECT\RP-E101A.dwg
Date last accessed: 6/13/2023 1:03 PM
Date last plotted: 6/13/2023 1:18 PM
Plotted By: Andrea Lowes

