



# Office of General Services

DESIGN & CONSTRUCTION GROUP  
THE GOVERNOR NELSON A. ROCKEFELLER  
EMPIRE STATE PLAZA  
ALBANY, NY 12242

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## ADDENDUM NO. 4 TO PROJECT NO. 47128

HVAC AND ELECTRICAL WORK  
REPLACE FAN COIL UNITS  
BUILDING 80, PHASE II  
SAGAMORE CHILDREN'S PSYCHIATRIC CENTER  
197 HALF HOLLOW ROAD  
DIX HILLS, NY

February 13, 2026

**NOTE:** This Addendum forms a part of the Contract Documents. Insert it in the Project Manual. Acknowledge receipt of this Addendum in the space provided on the Bid Form.

### ELECTRICAL WORK SPECIFICATIONS

1. SECTION 283105 MODIFICATIONS TO FIRE ALARM SYSTEM: Add the accompanying Document (pages 283105 – 1 thru 283105 – 8) to the Project Manual.

### ELECTRICAL WORK DRAWINGS

2. Revised Drawing:
  - a. Drawing No. E-001, noted Revised Drawing dated 02/12/2026, accompanies this Addendum and supersedes the same numbered previously issued drawing.
  - b. Drawing No. E-109, noted Revised Drawing dated 02/12/2026, accompanies this Addendum and supersedes the same numbered previously issued drawing.

**END OF ADDENDUM**

Brady M. Sherlock, P.E.  
Director, Division of Design  
Design & Construction

## SECTION 283105 - MODIFICATIONS TO FIRE ALARM SYSTEM

### PART 1 - GENERAL

#### 1.1 REFERENCES

- A. Underwriters Laboratories Inc.
- B. National Fire Protection Association Standard 72.

#### 1.2 DEFINITIONS

- A. Initiating Device Circuit: A circuit to which automatic or manual initiating devices are connected where the signal received does not identify the individual device operated. Example:
  - 1. Circuits from PPSSs and ICUs to non-addressable signal initiating devices.
- B. Notification Appliance Circuit: A circuit or path directly connected to a notification appliance. Example:
  - 1. Circuits from PPSSs and ICUs to notification appliances.
- C. Signaling Line Circuit: A circuit or path between any combination of circuit interfaces, control units, or transmitters over which multiple system input signals or output signals, or both are carried. Examples:
  - 1. Circuits from PSS to building PPSSs and ICUs.
  - 2. Circuits from PPSSs and ICUs to addressable devices.
- D. Operating Mode:
  - 1. Private Mode:
    - a. Audible and visible signaling only to those persons directly concerned with the implementation and direction of emergency action initiation and procedure in the area protected by the fire alarm system, and:
    - b. Audible and visible signaling only to those persons within special designated areas where private mode operation is specified to be applicable.
  - 2. Public Mode: Audible and visible signaling to occupants or inhabitants of the area protected by the fire alarm system.

#### 1.3 DESCRIPTION OF EXISTING SYSTEM

- A. The existing Simplex Time Recorder Co. System operates as an integrated multiplexed protected premises and proprietary fire alarm, monitoring and control system. Changes in the status of

monitored points are detected by the micro-processor based proprietary supervising station (PSS) and protected premises subsidiary stations (PPSSs) located in buildings throughout the facility. Facility Johnson Controls Fire Protection Contacts are as follows:

1. Susan Gola [susan.gola@JCI.com](mailto:susan.gola@JCI.com).
2. Toni Garvin [toni.garvin@JCI.com](mailto:toni.garvin@JCI.com)
  - a. Telephone: (888) 746-7539
3. Kevin Quigley (Technician) (516) 351-8735

#### 1.4 MODIFICATIONS TO EXISTING SYSTEM

- A. Provide control modules tied into the existing Johnson Controls Fire Alarm system, to control smoke dampers, refer to drawing E-107.
  1. Pay the facility fire alarm vendor (Johnson Controls) to provide two (2) control module devices, programming, and testing. Refer to drawing E-107 for device locations.
  2. Provide 200 linear feet of wiring and 3/4" conduit.

#### 1.5 DESCRIPTION OF COMPLETED SYSTEM

- A. The completed system shall operate as outlined in DESCRIPTION OF EXISTING SYSTEM, with the following exceptions:
  1. System to be reprogrammed to include control modules for smoke damper Actuation.

#### 1.6 SUBMITTALS

- A. Manufacturers' installation instructions shall be provided along with product data.
- B. Submittals shall be provided in the order in which they are specified and tabbed (for combined submittals).
- C. Waiver of Submittals: The "Waiver of Certain Submittal Requirements" in Section 013300 does not apply to this Section.
- D. Submittals Package: Submit the shop drawings, product data, and quality control submittals specified below at the same time as a package.
  1. Company Field Advisor Letter: With the submittals package include a letter from the Company Field Advisor stating that he/she has reviewed the Submittals Package for accuracy and completeness, and approves all materials and installation methods included in the Submittals Package.
- E. Shop Drawings:
  1. Composite wiring and/or schematic diagrams of the modifications as proposed to be installed (standard diagrams will not be acceptable).

- a. Indicate circuits which are power-limited if power-limited wiring is proposed for use.

F. Product Data:

1. Catalog sheets, specifications and installation instructions.
2. Bill of materials.
3. Statement from the Company producing the system, for each size and type of single conductor and multiconductor cable proposed for use, indicating that the electrical characteristics meet the requirements of the Company.

G. Quality Control Submittals:

1. Copy of license required by New York State General Business Law Article 6-D for installing Fire Alarm Systems.
  - a. Also include copy of identification card issued by the Licensee for each person who will be performing the Work.
2. Company Field Advisor Data: Include:
  - a. Name, business address and telephone number of Company Field Advisor secured for the required services.
  - b. Certified statement from the Company listing the qualifications of the Company Field Advisor.
  - c. Copy of NICET Letter of Approval indicating Level III or higher Fire Alarm Systems certification.
  - d. Services and each product for which authorization is given by the Company, listed specifically for this project.

H. Contract Closeout Submittals:

1. System acceptance test report.
2. Certificates:
  - a. Affidavit, signed by the Company Field Advisor and notarized, certifying that the system meets the contract requirements and is operating properly.
  - b. NFPA Record of Completion (NFPA 72 Figure 1-6.2.1) for the modifications.
3. Operation and Maintenance Data:
  - a. Deliver 2 copies, covering the installed products, to the Director's Representative. Include:
    - 1) Operation and maintenance data for each product.
    - 2) Complete point to point wiring diagrams of the modifications as installed. Identify all conductors and show all terminations and splices. (Identification shall correspond to markers installed on each conductor.)

## 1.7 QUALITY ASSURANCE

- A. UL Listing: The system products for the modifications shall be listed in the UL Fire Protection Equipment Directory under product category “Control Units System (UOJZ)”.
- B. Company Field Advisor: Company Field Advisor shall be National Institute for Certification in Engineering Technologies (NICET) certified as Level III or higher Fire Alarm Protection/Fire Alarm Systems Engineering Technician.
  - 1. Secure the services of a Company Field Advisor from the Company of the existing system for a minimum of 4 working hours at the contract site for the following:
    - a. Render advice and witness test of existing system.
    - b. Render advice regarding modifications to the system.
    - c. Assist in reprogramming the system.
    - d. Witness final system test and then certify with an affidavit that the modifications were installed in accordance with the contract documents and are operating properly.

## PART 2 - PRODUCTS

### 2.1 PEER-TO-PEER NETWORK

- A. Remote Addressable Network Modules(RANM):
  - 1. Individual Addressable Module (IAM): Simplex’s 2190-9172, 2190-9173.
  - 2. Addressable Circuit Monitor Modules will be capable of mounting in a standard electric outlet box. Modules will include cover plates to allow surface or flush mounting. Modules will receive their operating power from the signaling line or a separate two wire pair running from an appropriate power supply as required.
  - 3. All Circuit Interface Module shall be supervised and uniquely identified by the control unit. Module identification shall be transmitted to control unit for processing according to program instructions. Modules shall have an on-board LED to provide an indication that module is powered communicating with the FACP. The LEDs shall provide a troubleshooting aid since the LED blinks on poll whenever the peripheral is powered and communicating

### 2.2 POWER-LIMITED INSULATED CONDUCTORS

- A. All electrical characteristics shall meet the requirements of the Company producing the system (conductor to conductor capacitance, dc resistance, velocity of propagation etc.).
- B. MULTICONDUCTOR CABLES N.E.C. TYPE FPLP, FPLR, FPL:
  - 1. Insulated copper conductors.
  - 2. Conductors twisted, shielded and jacketed as recommended by the Company producing the system.

3. Voltage rating of not less than 300 volts (Voltage rating not marked on cable except where cable has multiple listings and voltage marking is required for one or more of the listings).
- C. Other types of cables may be used in accordance with N.E.C. Table 760-61 “Cable Uses and Permitted Substitutions”, as approved, if listed as being suitable for the purpose.

### 2.3 NONPOWER-LIMITED INSULATED CONDUCTORS

- A. All electrical characteristics shall meet the requirements of the Company producing the system (conductor to conductor capacitance, dc resistance, velocity of propagation, etc.).
- B. Conductors twisted, shielded and jacketed as recommended by the Company producing the system.
- C. Single Conductors:
1. No. 18 and No. 16 AWG: Insulated copper conductors suitable for 600 volts, N.E.C. types KF-2, KFF-2, PAFF, PTFF, PF, PFF, PGF, PGFF, RFH-2, RFHH-2, RFHH-3, SF-2, SFF-2, TF, TFF, TFN, TFFN, ZF, ZFF.
  2. Larger Than No. 16 AWG: Insulated copper conductors suitable for 600 volts, in compliance with N.E.C. Article 310.
  3. Conductors with other types and thickness of insulation may be used if listed for nonpower-limited fire alarm circuit use.
- D. Multiconductor Cables N.E.C. Types NPLFP, NPLFR, NPLF:
1. No. 18 and No. 16 AWG: Insulated copper conductors rated 600 volts, N.E.C. types KF-2, KFF-2, PAFF, PTFF, PF, PFF, PGF, PGFF, RFH-2, RFHH-2, RFHH-3, SF-2, SFF-2, TF, TFF, TFN, TFFN, ZF, ZFF.
  2. No. 14 AWG and Larger: Insulated copper conductors suitable for 600 volts, one of the types listed in N.E.C. Table 310-13 or one that is identified for nonpower-limited fire alarm circuit use.
  3. Marking: NPLFP, NPLFR, and NPLF marked to suit listings and marked with a maximum usage voltage rating of 150 volts.

### 2.4 SIGNS, LABELS, MARKERS, AND NAMEPLATES

- A. Nameplates: Precision engrave letters and numbers with uniform margins, character size minimum 3/16 inch high.
1. Phenolic: Two color laminated engraver’s stock, 1/16 inch minimum thickness, machine engraved to expose inner core color (white).
  2. Aluminum: Standard aluminum alloy plate stock, minimum .032 inches thick, engraved areas enamel filled or background enameled with natural aluminum engraved characters.
  3. Materials for Outdoor Applications: As recommended by nameplate manufacturer to suit environmental conditions.
- B. Markers:

1. Premarked self-adhesive; W.H. Brady Co.'s B292, B708, Ideal Industries' Mylar/Cloth wire markers, or Markwick Corp.'s permanent wire markers, Plastic Extruded Parts Inc.'s Flexible Sleeve or ID Band Markers, or Thomas and Betts Co.'s E-Z Code WSL self-laminating.
2. Other Styles: To suit application by W.H. Brady Co., Ideal Industries, Marwick Corp., Plastic Extruded Parts, Inc., or Thomas and Betts Co.

## 2.5 ACCESSORIES

- A. Include accessories required to perform the functions summarized in DESCRIPTION OF COMPLETED SYSTEM and indicated on the drawings.

## PART 3 - EXECUTION

### 3.1 INTERRUPTIONS TO EXISTING SUB-SYSTEMS

- A. Maintain the existing system in its present condition to the extent possible while installing new Work.
- B. Prior to making changes or removals relative to the existing system, notify the Director's Representative and have procedures approved.
- C. Provide signs, instructions and alternate methods for reporting a fire.

### 3.2 INSTALLATION

- A. Install the Work in accordance with the Company's printed instructions unless otherwise indicated.
- B. Reprogram the system to include new monitor and control points and update existing system program to include changes and additions requested by facility.
  1. Obtain from the facility personnel through the Director's Representative, a list of desired system program changes, additions, etc.
- C. Wiring For Survivability:
  1. Failure of equipment or a fault on one or more installation wiring conductors of one notification appliance circuit shall not result in functional loss of any other notification appliance circuit.
  2. Connect PPSSs, ICUs and other system components requiring a primary power supply to dedicated branch circuits.
    - a. Do not connect PPSS's and ICUs to a 2 pole device which can trip both poles at once, such as a 2 pole circuit breaker with handle tie (omit the tie).

3. Splices in wiring in vertical risers is prohibited, except when the length of conductors approximate 150 feet in vertical risers, terminal strip cabinet may be used. Exception: For 2-hour fire rated cable assembly, use UL listed methods to maintain 2-hour rating.
4. Avoid splices in horizontal runs. When splices are necessary, use junction boxes. Exception: For 2-hour fire rated cable assembly, use UL listed methods to maintain 2-hour rating.
  - a. Make splices with mechanical or hydraulic type pressure connectors. The use of wire nuts is prohibited.
  - b. Paint cover of terminal strip cabinets and junction boxes fire department red.
5. Wiring Class A, Style 6, 7, D, E, or Z Signaling Line Circuits, Initiating Device Circuits and Notification Appliance Circuits: Do not install both legs of Class A, Style 6, 7, D, E, or Z circuits in same cable assembly, enclosure, or raceway back to PPSS's or ICUs.
  - a. Run return legs along another route to obtain maximum benefit of these alternate path circuits.

D. Identification, Labeling, Marking:

1. Nameplates:
  - a. Install on each manual fire alarm box a nameplate stating: Floor number, and location (1st Fl, east, etc.).
2. Power-Limited Circuits: Mark circuits at terminations, indicating that circuit is a power-limited fire protective signaling circuit.
3. Identification of Circuits: Identify wires and cables by system and function in interconnection cabinets, and FACP's to which they connect with premarked, self-adhesive, wraparound type markers. Designations shall correspond with point to point wiring diagrams.

### 3.3 FIELD QUALITY CONTROL

A. Preliminary System Test:

1. Preparation: Have the Company Field Advisor adjust the portion of the system applicable to the Work, and then operate it long enough to assure that it is performing properly.
2. Run a preliminary test for the purpose of:
  - a. Determining whether the system is in a suitable condition to conduct an acceptance test.
  - b. Checking and adjusting equipment.
  - c. Training facility personnel.

B. System Acceptance Test:

1. Preparation: Notify the Director's Representative at least 3 working days prior to the test so arrangements can be made to have a Facility Representative witness the test.
2. Supply all equipment necessary for system adjustment and testing.

3. Make the following tests:
  - a. Test the portion of the system applicable to the Work in accordance with NFPA 72, Chapter 7.
    - 1) Follow test methods stated in Table 7-2.2.
    - 2) Record results on NFPA 72 Figure 1-6.2.1 Record of Completion.
  - b. Test system operation step by step as summarized in DESCRIPTION OF COMPLETED SYSTEM.
4. Submit written report of test results signed by Company Field Advisor and the Director's Representative. Also complete an NFPA Record of Completion.
  - a. Mount a copy of the written report of test results, and the NFPA 72 Record of Completion in plexiglass enclosed frame assemblies adjacent to the PSS (one framed assembly for each report).

### 3.4 INSULATED CONDUCTOR SCHEDULE - TYPES AND USE

#### A. Signaling Line Circuits, Initiating Device Circuits and Notification Appliance Circuits:

1. Power-Limited Circuits: For interior wiring (in raceways) use power-limited insulated multiconductor cable types specified in PART 2 except where a 2-hour fire rated cable assembly is required.
  - a. Number of conductors and conductor size as recommended by the Company producing the system, except that conductor size shall not be less than No. 18 AWG for signaling line circuits and not less than No. 16 AWG for initiating device circuits and notification appliance circuits.
  - b. Using Non-power-Limited Wiring On Power-Limited Circuits: Wiring size and types specified for NONPOWER-limited circuits may be used for power-limited circuits if power-limited circuits are reclassified and the power-limited markings are eliminated. Refer to NEC Article 760-52(a) Exception No. 3.
2. Nonpower-Limited Circuits: For interior wiring (in raceways) use nonpower-limited insulated single conductors or multiconductor cable types specified in PART 2 except where a 2-hour fire rated cable assembly is required.
  - a. Number of conductors and conductor size as recommended by the Company producing the system, except that conductor size shall not be less than No. 18 AWG for signaling line circuits, not less than No. 16 AWG for initiating device circuits, and not less than No. 14 AWG for notification appliance circuits.

- #### B. Control Circuits Associated with the Fire Alarm System: use Class 1, 2, and 3 wiring specified in Section 260519.

END OF SECTION 283105

EXISTING PANEL LPL-10A SCHEDULE			208/120 30 4W, SURFACE NEMA 1 225A MLO, 22 KAIC				
1	-	20/1	EXISTING LOAD	2	-	20/1	EXISTING LOAD
3	-	20/1	EXISTING LOAD	4	-	20/1	EXISTING LOAD
5	-	20/1	EXISTING LOAD	6	-	20/1	EXISTING LOAD
7	-	20/1	EXISTING LOAD	8	-	20/1	EXISTING LOAD
9	-	20/1	EXISTING LOAD	10	-	20/1	EXISTING LOAD
11	-	20/1	EXISTING LOAD	12	-	20/1	EXISTING LOAD
13	-	20/1	EXISTING LOAD	14	-	20/1	EXISTING LOAD
15	-	20/1	EXISTING LOAD	16	-	20/1	EXISTING LOAD
17	-	20/1	EXISTING LOAD	18	-	20/1	EXISTING LOAD
19	-	20/1	EXISTING LOAD	20	-	20/1	EXISTING LOAD
21	-	20/1	EXISTING LOAD	22	-	20/1	EXISTING LOAD
23	-	20/1	EXISTING LOAD	24	-	20/1	EXISTING LOAD
25	-	20/1	EXISTING LOAD	26	-	20/1	EXISTING LOAD
27	-	20/1	EXISTING LOAD	28	-	20/1	EXISTING LOAD
29	-	20/1	EXISTING LOAD	30	-	20/1	EXISTING LOAD
31	-	20/1	EXISTING LOAD	32	-	20/1	EXISTING LOAD
33	-	20/1	EXISTING LOAD	34	-	20/1	EXISTING LOAD
35	-	20/1	EXISTING LOAD	36	-	20/1	EXISTING LOAD
37	-	20/1	EXISTING LOAD	38	-	20/1	EXISTING LOAD
39	-	20/1	EXISTING LOAD	40	-	20/1	FC-158 *
41	-	20/1	EXISTING LOAD	42	-	20/1	GFI RECEPT. ROOF *

\* - PROVIDE CIRCUIT BREAKER IN EXISTING PANEL

EXISTING PANEL LPL-10 SCHEDULE			208/120 30 4W, SURFACE NEMA 1 225A MLO, 22 KAIC				
1	-	20/1	EXISTING LOAD	2	-	20/1	EXISTING LOAD
3	-	20/1	EXISTING LOAD	4	-	20/1	EXISTING LOAD
5	-	20/1	EXISTING LOAD	6	-	20/1	EXISTING LOAD
7	-	20/1	EXISTING LOAD	8	-	20/1	EXISTING LOAD
9	-	20/1	EXISTING LOAD	10	-	20/1	EXISTING LOAD
11	-	20/1	EXISTING LOAD	12	-	20/1	EXISTING LOAD
13	-	20/1	EXISTING LOAD	14	-	20/1	EXISTING LOAD
15	-	20/1	EXISTING LOAD	16	-	20/1	EXISTING LOAD
17	-	20/1	EXISTING LOAD	18	-	20/1	EXISTING LOAD
19	-	20/1	EXISTING LOAD	20	-	20/1	EXISTING LOAD
21	-	20/1	EXISTING LOAD	22	-	20/1	EXISTING LOAD
23	-	20/1	EXISTING LOAD	24	-	20/1	EXISTING LOAD
25	-	20/1	EXISTING LOAD	26	-	20/1	EXISTING LOAD
27	-	20/1	EXISTING LOAD	28	-	20/1	EXISTING LOAD
29	-	20/1	EXISTING LOAD	30	-	20/1	EXISTING LOAD
31	-	20/1	EXISTING LOAD	32	-	20/1	EXISTING LOAD
33	-	20/1	EXISTING LOAD	34	-	20/1	EXISTING LOAD
35	-	30/2	DS-2*	36	-	30/2	DS-1
37	-			38	-		
39	-	40/2	EXISTING LOAD	40	-	40/2	EXISTING LOAD
41	-			42	-	40/2	EXISTING LOAD

\* - PROVIDE CIRCUIT BREAKER IN EXISTING PANEL

EXISTING PANEL LPS SCHEDULE NO WORK			208/120 30 4W, RECESSED NEMA 1 175A MCB, 22 KAIC				
1	-	20/1	EXISTING LOAD	2	-	20/1	EXISTING LOAD
3	-	20/1	EXISTING LOAD	4	-	20/1	EXISTING LOAD
5	-	20/1	EXISTING LOAD	6	-	20/1	EXISTING LOAD
7	-	20/1	EXISTING LOAD	8	-	20/1	EXISTING LOAD
9	-	20/1	EXISTING LOAD	10	-	20/1	EXISTING LOAD
11	-	20/1	EXISTING LOAD	12	-	20/1	EXISTING LOAD
13	-			14	-		
15	-	20/3	EXISTING LOAD	16	-	20/3	SPARE
17	-			18	-		
19	-			20	-		
21	-	20/3	SPARE	22	-	20/3	SPARE
23	-			24	-		

\* - PROVIDE CIRCUIT BREAKER IN EXISTING PANEL

EXISTING PANEL LP-8 SCHEDULE			208/120 30 4W, RECESSED NEMA 1 100A MLO, 22 KAIC				
1	-			2	-	20/1	EXISTING LOAD
3	-	60/3	LP-8B*	4	-	20/1	EXISTING LOAD
5	-			6	-	20/1	EXISTING LOAD
7	-	20/1	EXISTING LOAD	8	-	20/1	EXISTING LOAD
9	-	20/1	EXISTING LOAD	10	-	20/1	EXISTING LOAD
11	-	20/1	EXISTING LOAD	12	-	20/1	EXISTING LOAD
13	-	20/1	EXISTING LOAD	14	-	20/1	EXISTING LOAD
15	-			16	-	20/1	EXISTING LOAD
17	-	20/3	EXISTING LOAD	18	-	20/1	EXISTING LOAD
19	-			20	-	20/1	EXISTING LOAD
21	-			22	-	20/1	EXISTING LOAD
23	-	20/3	EXISTING LOAD	24	-	20/1	EXISTING LOAD
25	-			26	-	20/1	EXISTING LOAD
27	-	20/2	EXISTING LOAD	28	-	20/2	EXISTING LOAD
29	-			30	-		

\* - PROVIDE CIRCUIT BREAKER IN EXISTING PANEL

PANEL LP-8B SCHEDULE			208/120 30 4W, RECESSED NEMA 1 60A MLO, 18 POS SECTION, 22 KAIC				
1	-	20/1	SPARE *	2	-		
3	-	20/1	F.C. CORR ARM106 *	4	-	50/3	ERU-3
5	-	20/1	R.F. #9, POOL #20, RM 89 *	6	-		
7	-	20/1	FCU-28, FCU28A	8	-	20/1	REMOTE BUILDING CONTROLLER
9	-	20/1	SPARE	10	-		
11	-	20/1	SPARE	12	-	20/1	SPARE
13	-		SPACE AND BUSSING	14	-		SPACE AND BUSSING
15	-		SPACE AND BUSSING	16	-		SPACE AND BUSSING
17	-		SPACE AND BUSSING	18	-		SPACE AND BUSSING

\* - EXISTING LOAD RELOCATED FROM PANEL LP-8

EXISTING PANEL LPH-9 SCHEDULE			480/277V 30 4W, SURFACE NEMA 1 100A MLO, 14 KAIC				
1	-			2	-		
3	-	20/3	POOL FAN CF-5	4	-	20/3	PUMP P-13A*
5	-			6	-		
7	-			8	-		
9	-	20/3	AC-6 RM. 294	10	-	20/3	AC-8
11	-			12	-		
13	-			14	-		
15	-	20/3	AC-7 RM. 294	16	-	20/3	PUMP P-12
17	-			18	-		
19	-			20	-		
21	-	20/3	FAN CF-1 RM. 294	22	-	20/3	PUMP P-13
23	-			24	-		
25	-			26	-		
27	-	20/3	FAN CF-2 RM. 294	28	-	20/3	AC-3 RM. 294
29	-			30	-		
31	-			32	-	20/1	GYM EAST LTG.
33	-	20/3	PUMP P-14 RM. 294	34	-	20/1	GYM EAST LTG.
35	-			36	-	20/1	GYM WEST LTG.
37	-			38	-	20/1	GYM WEST LTG.
39	-	90/3	LP-9, LP-11, LPS	40	-		SPACE
41	-			42	-		SPACE

\* - PROVIDE CIRCUIT BREAKER IN EXISTING PANEL

EXISTING PANEL PP-1 SCHEDULE			480/277V 30 4W, SURFACE NEMA 1 100A MLO, 14 KAIC				
1	-			2	-	20/1	SPACE
3	-	45/3	RTU-1 *	4	-	20/1	SPACE
5	-			6	-	20/1	PHARMACY
7	-			8	-		
9	-	15/3	AC-14	10	-	20/3	EXHAUST FAN
11	-			12	-		
13	-			14	-		
15	-	20/3	PUMP 25	16	-	20/3	TRANSFORMER
17	-			18	-		

\* - PROVIDE CIRCUIT BREAKER IN EXISTING PANEL

EXISTING PANEL PR-1 SCHEDULE			208/120 30 4W, SURFACE NEMA 1 10 KAIC				
1	-			2	-	20/1	RECEPT.
3	-	30/2	UPS	4	-	20/1	RECEPT.
5	-	20/1	RECEPT.	6	-	20/1	RECEPT.
7	-	20/1	RECEPT.	8	-	20/1	RECEPT.
9	-	20/1	EXISTING LOAD	10	-	20/1	UPS-10
11	-	20/1	REMOTE BUILDING CONTROLLER *	12	-		SPACE
13	-		SPACE	14	-		SPACE
15	-		SPACE	16	-		SPACE

\* - PROVIDE CIRCUIT BREAKER IN EXISTING PANEL

**CODE COMPLIANCE STATEMENTS:**

2020 ENERGY CONSERVATION CONSTRUCTION CODE OF NEW YORK STATE;  
(SECTION R105.2.2 WRITTEN STATEMENT)  
TO THE BEST OF THE KNOWLEDGE, BELIEF AND PROFESSIONAL JUDGEMENT OF THE LICENSED PROFESSIONAL SEALING THESE PLANS AND SPECIFICATIONS, THESE PLANS AND SPECIFICATIONS ARE IN COMPLIANCE WITH THE 2020 ENERGY CONSERVATION CONSTRUCTION CODE OF NEW YORK STATE.

NEW YORK STATE UNIFORM FIRE PREVENTION AND BUILDING CODE (UNIFORM CODE);  
TO THE BEST OF THE KNOWLEDGE, BELIEF AND PROFESSIONAL JUDGEMENT OF THE LICENSED PROFESSIONAL SEALING THESE PLANS AND SPECIFICATIONS, THESE PLANS AND SPECIFICATIONS ARE IN COMPLIANCE WITH THE NEW YORK STATE UNIFORM FIRE PREVENTION AND BUILDING CODE TO INCLUDE:

2020 BUILDING CODE OF NEW YORK STATE.  
2020 EXISTING BUILDING CODE OF NEW YORK STATE  
2020 FIRE CODE OF NEW YORK STATE  
2020 PLUMBING CODE OF NEW YORK STATE  
2020 MECHANICAL CODE OF NEW YORK STATE  
2020 FUEL GAS CODE OF NEW YORK STATE  
2017 NFPA 70 NATIONAL ELECTRICAL CODE

ELECTRICAL LEGEND	
SYMBOL	DESCRIPTION
LIGHTING	
	SURFACE OR RECESSED MOUNT LED
PANELBOARDS (PLAN VIEW)	
	(120/208) VOLT PANELBOARD
	(277/480) VOLT PANELBOARD
LOCAL SWITCHES	
	MOTOR RATED SWITCH
JUNCTION BOXES	
	POWER JUNCTION BOX
SOUND SYSTEM	
	CEILING MOUNTED LOUDSPEAKER
FIRE ALARM SYSTEM	
	VISIBLE SIGNAL CEILING MOUNTED
	SMOKE DETECTOR
	MAGNETIC DOOR HOLDER
EQUIPMENT	
	MOTOR
	DISCONNECT SWITCH
	UNIT HEATER
	BOILER SHUT DOWN
	VARIABLE FREQUENCY DRIVE

ELECTRICAL ABBREVIATIONS	
#	NUMBER
AC	MOUNTED HORIZONTALLY 6" ABOVE COUNTER
AFF	ABOVE FINISHED FLOOR
ATS	AUTOMATIC TRANSFER SWITCH
BB	MOUNTED HORIZONTALLY IN BASEBOARD
BKR	BREAKER
C	CONDUIT
CKT	CIRCUIT
CL	CLOCK
CLG	CEILING
DIA	DIAMETER
DN	DOWN
DWG	DRAWING
E	EXISTING
ELEV	ELEVATION
ER	EXISTING TO REMAIN
EWC	ELECTRIC WATER COOLER
FL	FLOOR
FS	FLOW SWITCH
FT	FEET OR FOOT
G	GROUND
GFI	GROUND FAULT INTERRUPTOR
GRSC	GALVANIZED RIGID STEEL CONDUIT
HP	HORSEPOWER
MAX	MAXIMUM
MFR	MANUFACTURER
MIN	MINIMUM
MTD	MOUNTED
NA	NOT APPLICABLE
NC	NORMALLY CLOSED
NIC	NOT IN CONTRACT
NO	NORMALLY OPEN
OC	ON CENTER
PR	PAIR
RUH	UNIT HEATER REMOVAL
SF	SQUARE FEET OR SQUARE FOOT
SH	SHIELDED
TW	TWISTED
TYP	TYPICAL
WP	WEATHERPROOF
XFMR	TRANSFORMER

EXISTING PANEL LP-1 SCHEDULE			208/120 30 4W, SURFACE NEMA 1 100A MLO, 22 KAIC				
1	-	20/1	COMPRESSOREXISTING LOAD	2	-	20/1	LTG. LOUNGE, TOILET 239-4
3	-	20/1	RECEPT. RMS. 253-55, VEND 251	4	-	20/1	EH #34 RM 241
5	-	20/1	RECEPT. RM. 253	6	-	20/1	AC CLINIC
7	-	20/1	RECEPT. DENTIST BY DOOR	8	-	20/1	RECEPT. RMS. 251-255
9	-	20/1	STERILIZER RM "T" RECEPT.	10	-		
11	-	20/1	LTG. RM & HALLWAY	12	-	20/2	RM 247 X-RAY
13	-	20/1	ZONE DAMPERS *	14	-	20/1	LTG RM 252
15	-	20/1	REMOTE BUILDING CONTROLLER *	16	-	20/1	LTG RMS 253-254
17	-	20/1	CONTROL	18	-	20/1	LTG RM 251
19	-	20/1	RECEPT. CORR. RM. 242	20	-	20/1	LTG RM 243
21	-	20/1	RECEPT CORR.	22	-	20/1	RECEPT. EXAM RM.
23	-	20/1	LTG RM 242	24	-	20/1	RM. 243 "T" RECEPT.
25	-			26	-	20/1	LTG RMS 246-347
27	-	70/3	LPK1	28	-	20/1	LTG RMS 246-347
29	-			30	-	20/1	LTG RMS 246-347

\* - PROVIDE CIRCUIT BREAKER IN EXISTING PANEL

**GENERAL NOTES**

1. PROVIDE SECURITY FASTENERS IN LOCATIONS ACCESSIBLE BY CLIENTS/PATIENTS AND AS REQUIRED BY THE DIRECTOR'S REPRESENTATIVE.

EXISTING PANEL CANTEN SCHEDULE			208/120 30 4W, SURFACE NEMA 1 225A 100A MCB, 22 KAIC				
1	-			2	-		
3	-		SPACE	4	-	100/4	SHUNT TRIP MAIN
5	-		SPACE	6	-		
7	-	15/1	RECEPT KITCHEN-CANTEEN	8	-		
9	-	20/1	RECEPT. KITCHEN	10	-	20/1	SODA MACHINE
11	-	20/1	RECEPT. KITCHEN	12	-	20/1	CANDY MACHINE
13	-	20/1	RECEPT. KITCHEN	14	-	20/1	BUILDING CONTROLLER *
15	-	20/1	RECEPT. KITCHEN	16	-	20/1	BUILDING CONTROLLER *
17	-	20/1	RECEPT. KITCHEN	18	-		SPACE
19	-	20/1	RECEPT. KITCHEN	20	-		SPACE
21	-	20/1	RECEPT. KITCHEN	22	-		SPACE
23	-		SPACE	24	-		SPACE
25	-		SPACE	26	-	15/1	CONTROLS
27	-		SPACE	28	-		SPACE
29	-		SPACE	30	-		SPACE
31	-	30/2	GRILL	32	-		
33	-			34	-	50/3	GRILL
35	-	50/2	GRILL	36	-		
37	-			38	-		
39	-	15/3					

# GENERAL NOTES

- COORDINATE EQUIPMENT INSTALLATION WITH H-CONTRACT

# KEYED NOTES

- PROVIDE 4" X 4" X 2" JUNCTION BOX IN CEILING AT REMOVED FAN COIL UNIT LOCATION. PROVIDE BRANCH CIRCUIT 2 #12, #12 GND, 3/4" C FROM JUNCTION BOX TO POWER CONNECTION ON FAN COIL UNIT BEING INSTALLED AND CONNECT TO EXISTING BRANCH CIRCUIT.
- PROVIDE 4" X 4" X 2" JUNCTION BOX IN CEILING AT REMOVED FAN COIL UNIT FC-123 LOCATION. PROVIDE BRANCH CIRCUIT 2 #12, #12 GND, 3/4" C FROM JUNCTION BOX TO LOCATION OF FAN COIL UNITS FC-123-A AND FC-123-B BEING INSTALLED AND CONNECT TO EXISTING BRANCH CIRCUIT.
- PROVIDE 4" X 4" X 2" JUNCTION BOX IN CEILING AT REMOVED FAN COIL UNIT FC-121 LOCATION. PROVIDE BRANCH CIRCUIT 2 #12, #12 GND, 3/4" C FROM JUNCTION BOX TO LOCATION OF FAN COIL UNIT FC-122-B BEING INSTALLED AND CONNECT TO EXISTING BRANCH CIRCUIT.
- PROVIDE 4" X 4" X 2" JUNCTION BOX IN CEILING AT REMOVED FAN COIL UNIT FC-122 LOCATION. PROVIDE BRANCH CIRCUIT 2 #12, #12 GND, 3/4" C FROM JUNCTION BOX TO LOCATION OF FAN COIL UNIT FC-122-A BEING INSTALLED AND CONNECT TO EXISTING BRANCH CIRCUIT.
- RE-INSTALL EXISTING CEILING MOUNTED FAN IN SAME LOCATION ON CEILING BEING INSTALLED. CONNECT TO EXISTING BRANCH CIRCUIT LEFT OVER FROM REMOVALS.
- PROVIDE DISCONNECT SWITCHES INDICATED. ROUTE CIRCUIT TO PANEL INDICATED, TO SPARE 30A 2-POLE CIRCUIT BREAKER. PROVIDE BRANCH CIRCUIT 2#10, 10GND, 3/4" C FROM OUTDOOR UNIT TO CIRCUIT BREAKER. PROVIDE BRANCH CIRCUIT 2#12, #12GND, 3/4" C FROM INDOOR UNIT TO OUTDOOR UNIT FOR POWER WIRING. PROVIDE 3/4" CONDUIT FOR CONTROL WIRING BETWEEN INDOOR UNIT AND OUTDOOR UNIT.
- PROVIDE DISCONNECT SWITCHES INDICATED. ROUTE CIRCUIT TO 30A 2-POLE SPARE CIRCUIT BREAKER. PROVIDE BRANCH CIRCUIT 2#10, 10GND, 3/4" C FROM OUTDOOR UNIT TO CIRCUIT BREAKER. PROVIDE BRANCH CIRCUIT 2#12, #12GND, 3/4" C FROM INDOOR UNIT TO OUTDOOR UNIT FOR POWER WIRING. PROVIDE 3/4" CONDUIT FOR CONTROL WIRING BETWEEN INDOOR UNIT AND OUTDOOR UNIT. REFER TO DRAWING E-001 FOR ADDITIONAL INFORMATION.
- ROUTE CIRCUIT TO SPARE CIRCUIT BREAKER IN PANEL INDICATED. PROVIDE BRANCH CIRCUIT 2 #12, #12 GND, 3/4" C FROM PANEL TO FAN COIL UNIT BEING INSTALLED.
- ROUTE CIRCUIT TO SPARE CIRCUIT BREAKER IN PANEL INDICATED. PROVIDE BRANCH CIRCUIT 2 #12, #12 GND, 3/4" C FROM PANEL TO RECEPTACLE BEING INSTALLED. PROVIDE RECEPTACLE MOUNTED TO UNIT. ROUTE CONDUIT WITH MECHANICAL PIPING THAT PENETRATES EXISTING ROOF. COORDINATE WITH H-CONTRACT.

CONSULTANT  
CERTIFICATE OF AUTHORIZATION #: 017869



Friedman Fisher Associates, P.C.

**WARNING:**

THE ALTERATION OF THIS MATERIAL IN ANY WAY, UNLESS DONE UNDER THE DIRECTION OF A COMPARABLE PROFESSIONAL, I.E. ARCHITECT FOR AN ARCHITECT, ENGINEER FOR AN ENGINEER OR LANDSCAPE ARCHITECT FOR A LANDSCAPE ARCHITECT, IS A VIOLATION OF THE NEW YORK STATE EDUCATION LAW AND/OR REGULATIONS AND IS A CLASS "A" MISDEMEANOR.



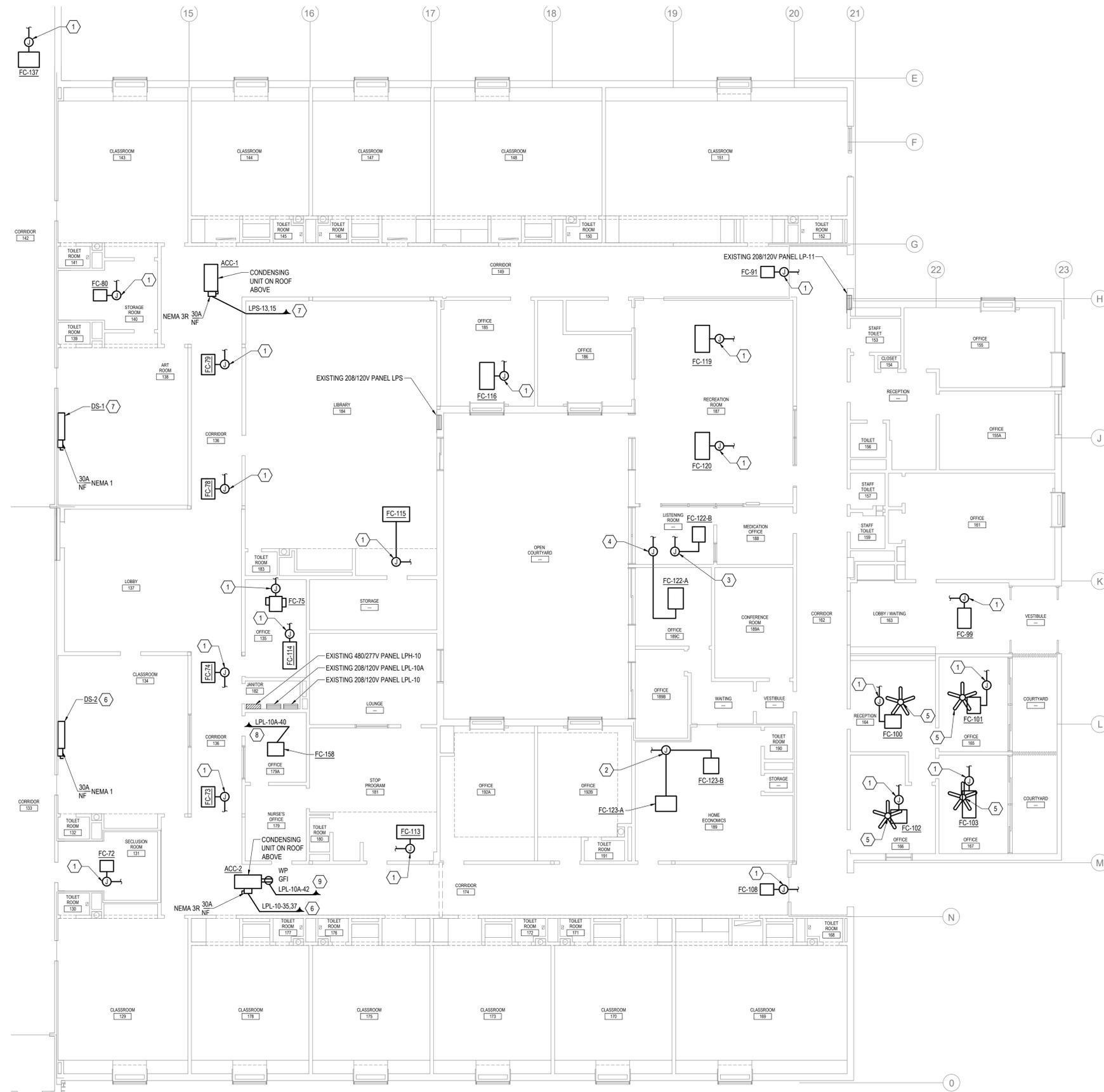
**ELECTRICAL**

TITLE: REPLACE FAN COIL UNITS, BUILDING 80, PHASE II

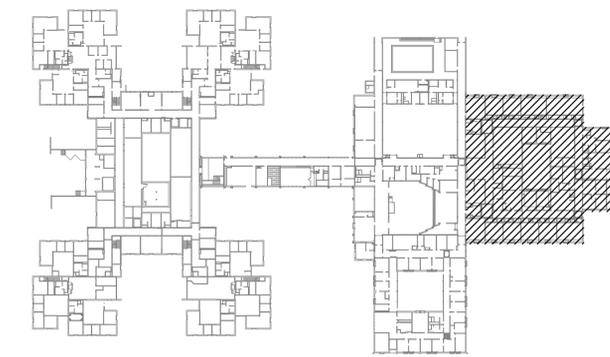
LOCATION: SAGAMORE CHILDREN'S PSYCHIATRIC CENTER  
197 HALF HOLLOW ROAD  
DIX HILLS, NY

CLIENT: NYS OFFICE OF MENTAL HEALTH

PROJECT NUMBER:	47128 - E
DESIGNED BY:	MLS
DRAWN BY:	MLS
FIELD CHECK:	
APPROVED:	
SHEET TITLE:	SCHOOL AREA POWER PLAN
DRAWING NUMBER:	E-109
SHEET	95 of 96



**1 SCHOOL AREA POWER PLAN**  
SCALE: 1/8" = 1'-0"



**KEY PLAN**  
SCALE: NOT TO SCALE

FILE: R:\PROJECTS\68037 - OGS - SAGAMORE PHASE 2A\_CAD\68037 - E-109.DWG  
SAVED: 2/12/2026 12:10:09 PM  
3/6/24 PLOT SHEET  
USER: CHRISTOPHER STROM