

RSC ARCHITECTS

3 University Plaza Drive, Suite 600, Hackensack, NJ 07601

ADDENDUM No. 4

TO THE CONTRACT DOCUMENTS OF THE PROJECT:

Gerry B. Green Plaza Alterations

**200 West 2nd Street
Plainfield, New Jersey 07060**

For the

Union County Improvement Authority

DATE: August 1st, 2025
RSC Project Number: 158.25.001

NOTICE TO BIDDERS:

The original specifications and drawings, for the project noted above have been amended as noted in this Addendum. Receipt of this Addendum shall be acknowledged by inserting its number and date in the space provided on the Form of Proposal.

I. THIS ADDENDUM CONSISTS OF THE FOLLOWING:

Number of Pages: 12 pages (Including the cover page, description of Addendum, and divider pages)

Included:

- Bidder Questions (RFI) 2 pages
- Revised Drawings 7 pages

II. RESPONSE TO REQUESTS FOR INFORMATION (RFIs)

1. General notes about RFIs:
 - a. Contractors must follow the protocols identified in the RFB for submission of RFIs. Including submitting requests on the appropriate forms and to all parties listed in the RFB.
 - b. Requests for substitution of specific building components, building systems or equipment must come directly from bidders and not individual vendors. Customarily, this process does not occur until the bid is awarded.

III. DRAWINGS:

1. Edits to drawings can be characterized as coordination and are minor in character.
2. Drawings are clouded where edits occurred.

END OF ADDENDUM DESCRIPTION

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BIDDER QUESTIONS (REQUEST FOR INFORMATION)

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Response to Bidder Questions (RFI)

1. *Dwg E-101, Keynote 6 – Are we to assume that the Circuit is 277V for bidding purposes? How are we to know if it isn't?*

For bid purpose, assume a new circuit must be ran from panel noted. Verify circuit source and voltage in field. If circuit is found to be 277v provide credit.

2. *Dwg E-101, HP-1-1 – Are we still transferring # 1,3 & 5 for the Elevators if Alternate # 1 is not accepted?*

Refer to revised drawings provided as part of this addendum.

3. *Dwg E-102 – Panel Schedule states (E) Existing, Floor plan shows new, line diagram shows new. Please clarify.*

Panel is new.

4. *Dwg E-103 – Please provide a panel schedule for RP3-4.*

Panel Schedule will be provided as part of this addendum, refer to revised drawings. For pricing, assume panel will be the same as "RP4-4"

5. *Please provide required floor finishes & schedule for the Elevator Modernization Scope (Alternate # 1)*

Car enclosures and interior finishes are to be retained. Refer to specification section 142401 Hydraulic Passenger Elevator Modernization.

6. *Please advise if there is any base bid scope related to the elevators.*

Base scope of work and alternates are clearly delineated in the bidding documents. Refer to revised drawings provided as part of this addendum and specification section 011000 – Summary.



REQUEST FOR INFORMATION

DATE: 7/23/2025

TO: Dr. Bibi Taylor, UCIA, Timothy Hennessy, RSC Arch., Bob Pasqual, Pinnacle Consulting

EMAIL : btaylorUCIA@ucnj.org bidding@rscarchitects.com bobp@pinnacleconsult.net

PROJECT : Gerry B. Green Plaza Alterations

RFI # 5

FROM: Frank A. Melhus, Estimator

RE: Various Items

1. Dwg E-101, Keynote 6 – Are we to assume that the Circuit is 277V for bidding purposes? How are we to know if it isn't?
2. Dwg E-101, HP-1-1 – Are we still transferring # 1,3 & 5 for the Elevators if Alternate # 1 is not accepted?
3. Dwg E-102 – Panel Schedule states (E) Existing, Floor plan shows new, line diagram shows new. Please clarify.
4. Dwg E-103 – Please provide a panel schedule for RP3-4.
5. Please provide required floor finishes & schedule for the Elevator Modernization Scope (Alternate # 1)
6. Please advise if there is any base bid scope related to the elevators.

RESPONSE:

RSC ARCHITECTS

3 University Plaza Drive, Suite 600, Hackensack, NJ 07601

DRAWINGS

GENERAL NOTES

1. WORK INCLUDED

MATERIALS, EQUIPMENT, FABRICATION, INSTALLATION AND TESTS FOR FULLY OPERATIONAL AND SAFE SYSTEMS, INCLUDING ALL NECESSARY MATERIALS, APPURTENANCES AND FEATURES WHETHER SPECIFIED OR SHOWN ON DRAWINGS OR NOT, IN CONFORMITY WITH APPLICABLE CODES AND AUTHORITIES HAVING JURISDICTION.

2. CODES, PERMITS AND INSPECTIONS

ALL WORK SHALL MEET OR EXCEED THE LATEST REQUIREMENTS OF NATIONAL ELECTRICAL CODE WITH ANY LOCAL AMENDMENTS, ALONG WITH ALL APPLICABLE REQUIREMENTS OF STATE, COUNTY, MUNICIPAL, AND OTHER AUTHORITIES EXERCISING JURISDICTION OVER ELECTRICAL CONSTRUCTION WORK.

INSTALLATION PROCEDURES, METHODS AND CONDITIONS SHALL COMPLY WITH THE LATEST REQUIREMENTS OF THE FEDERAL OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA).

ALL ELECTRICAL EQUIPMENT SHALL COMPLY WITH THE LATEST REQUIREMENTS OF ALL APPLICABLE STATE AND MUNICIPAL "ENERGY CODES". SUBMIT MANUFACTURER CERTIFICATION FOR ENERGY CODE COMPLIANCE FOR ALL ENERGY-CONSUMING EQUIPMENT.

ALL REQUIRED PERMITS AND INSPECTION CERTIFICATES SHALL BE OBTAINED FOR, AND MADE AVAILABLE AT THE COMPLETION OF THE WORK.

3. CERTIFICATE OF INSURANCE

CONTRACTOR SHALL FURNISH THE OWNER WITH A COPY OF HIS CERTIFICATE OF INSURANCE FOR WORKMAN'S COMPENSATION, AND PERSONAL AND PROPERTY DAMAGE LIABILITY IN THE AMOUNT SPECIFIED BY THE OWNER.

4. CONTRACT DOCUMENTS

DRAWINGS AND SPECIFICATIONS ARE COMPLEMENTARY AND SHALL BE TAKEN TOGETHER FOR A COMPLETE INTERPRETATION OF THE WORK. IF THERE ARE ANY CONFLICTS BETWEEN THE DRAWINGS AND SPECIFICATIONS, THE MORE STRINGENT REQUIREMENTS SHALL BE ENFORCED, UNLESS DIRECTED OTHERWISE BY THE ENGINEER.

INDICATION AND/OR DESCRIPTION OF ANY ELECTRICAL EQUIPMENT, DEVICE, ETC. IN THE DRAWINGS AND SPECIFICATIONS SHALL BE UNDERSTOOD TO CARRY WITH IT THE INSTRUCTION TO FURNISH, INSTALL AND CONNECT THAT ELECTRICAL ITEM REGARDLESS OF WHETHER OR NOT THIS INSTRUCTION IS EXPLICITLY STATED.

THE ELECTRICAL DRAWINGS UTILIZE SYMBOLS, DETAILS, AND SCHEMATIC DIAGRAMS WHICH HAVE NO DIMENSIONAL SIGNIFICANCE. ALL ELECTRICAL WORK SHALL BE INSTALLED TO MEET THE DIAGRAMMATIC INTENT SHOWN ON THE DRAWINGS, AND IN CONFORMANCE WITH THE DIMENSIONS INDICATED ON THE FIELD LAYOUTS AND FINAL SHOP DRAWINGS.

ELECTRICAL EQUIPMENT ROOM LAYOUTS ARE GENERALLY DIAGRAMMATIC AND ALTHOUGH SIZE AND LOCATION OF EQUIPMENT IS DRAWN TO SCALE WHEREVER POSSIBLE, SITE VERIFICATION IS REQUIRED PRIOR TO ANY EQUIPMENT INSTALLATION.

ELECTRICAL CONDUITS AND BUSWAY RUNS SHOWN ON THE DRAWINGS ARE DIAGRAMMATIC TO SHOW INTENT. FIELD VERIFICATION BY THE ELECTRICAL CONTRACTOR IS REQUIRED TO ENSURE THE FEASIBILITY OF CONDUITS AND BUSWAYS INSTALLATION.

5. QUALITY ASSURANCE

ALL ELECTRICAL EQUIPMENT AND MATERIALS SHALL BE NEW PROVIDED WITH MANUFACTURER'S WARRANTY. ALL NEW EQUIPMENT AND MATERIALS SHALL HAVE THE LISTING OF THE UNDERWRITER'S LABORATORIES AND SHALL BEAR LABELS ATTESTING TO APPROVALS BY UL AND OTHER MUNICIPAL DEPARTMENTS HAVING JURISDICTION.

ALL WORK SHALL BE INSTALLED IN NEAT WORKMANLIKE MANNER IN ACCORDANCE WITH LATEST NECA STANDARD FOR "GOOD WORKMANSHIP IN ELECTRICAL CONSTRUCTION", AND OTHER ANSI APPROVED INSTALLATION STANDARDS.

6. GUARANTEE

ALL WORK SHALL BE GUARANTEED TO BE FREE FROM DEFECTS. ANY DEFECTIVE MATERIALS OR WORKMANSHIP, AND ANY DAMAGE TO THE WORK DURING STIPULATED GUARANTEED PERIOD SHALL BE REPLACED OR REPAIRED BY THE CONTRACTOR WITHOUT ANY COST TO THE OWNER.

GUARANTEE PERIOD: ONE YEAR AFTER FINAL ACCEPTANCE OF WORK BY THE OWNER.

7. COORDINATION WITH OTHER CONTRACTORS

COORDINATE ALL WORK WITH OTHER CONTRACTORS TO ENSURE EFFICIENT FLOW OF WORK. EXAMINE DRAWINGS OF OTHER TRADES AND BECOME FULLY INFORMED AS TO EXTENT OF THE WORK PERFORMED BY OTHER CONTRACTORS AND ITS RELATION TO ELECTRICAL WORK PERFORMED BY THIS CONTRACTOR. THE CONTRACTOR SHALL REMOVE AND RELOCATE HIS WORK AS REQUIRED TO SUIT PROJECT REQUIREMENTS AT NO ADDITIONAL COST TO THE OWNER.

8. SHOP DRAWINGS

SUBMIT SHOP DRAWINGS, PRODUCT DATA, SAMPLES AND CERTIFICATE OF COMPLIANCE REQUIRED BY CONTRACT DOCUMENTS NO LATER THAN 30 DAYS AFTER SIGNING OF CONTRACT. SUBMIT TWO HARD COPIES, AND ELECTRONIC COPIES IN PDF FORMAT. ALL ELECTRICAL EQUIPMENT LAYOUTS, AND CONDUITS AND BUSWAY RUNS SHALL BE SUBMITTED IN ACAD FORMAT.

MAKE ANY CORRECTIONS OR CHANGES IN SUBMITTALS REQUIRED. RESUBMIT ONLY ITEMS REQUIRED FOR RESUBMITTAL FOR REVIEW UNTIL NO EXCEPTIONS ARE TAKEN OR A RESUBMISSION IS NOT REQUIRED. IT SHALL BE UNDERSTOOD THAT APPROVAL OF SHOP DRAWINGS WILL NOT BIND THE ENGINEER OR THE OWNER TO THE FINAL ACCEPTANCE OF SUCH WORK AS THE COMPLETED INSTALLATION AND FINAL INSPECTION MUST BE PROVIDED AND GUARANTEED.

SUBSTITUTIONS WILL GENERALLY NOT BE ACCEPTED. IF A SUBSTITUTION IS REQUIRED DUE TO PRODUCT UNAVAILABILITY, A REQUEST SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PRIOR TO PLACING THE ORDER. A DETAILED EXPLANATION SHALL BE INCLUDED ON WHY THAT SUBSTITUTION IS BEING REQUESTED. IF SUBSTITUTION IS MADE WITHOUT PRIOR KNOWLEDGE, EVEN THOUGH IT WAS SUBMITTED ON SHOP DRAWING BUT NOT LABELED AS SUBSTITUTE AND EVEN THOUGH IT WAS APPROVED, EQUIPMENT WILL NEED TO BE REMOVED AND REPLACED WITH SPECIFIED ITEM AT NO EXTRA CHARGE TO THE OWNER.

9. SITE WALK-THRU

BIDDERS, BEFORE SUBMITTING PROPOSAL, SHALL VISIT AND EXAMINE CAREFULLY THE AREAS AFFECTED BY THE WORK TO BECOME FAMILIAR WITH EXISTING CONDITIONS AND WITH THE DIFFICULTIES THAT WILL ATTEND THE EXECUTION OF THIS WORK.

SUBMISSION OF A PROPOSAL WILL BE CONSTRUED AS EVIDENCE THAT SUCH AN EXAMINATION HAS BEEN MADE, AND LATER CLAIMS WILL NOT BE RECOGNIZED FOR EXTRA LABOR, EQUIPMENT OF MATERIALS REQUIRED BECAUSE OF DIFFICULTIES ENCOUNTERED WHICH COULD HAVE BEEN FORESEEN HAD SUCH AN EXAMINATION BEEN MADE.

BIDDERS SHALL INCLUDE PROVISIONS TO PERFORM CERTAIN TASKS AT PREMIUM TIME, OUTSIDE OF NORMAL WORKING HOURS. CERTAIN REMOVALS OF EXISTING ELECTRICAL WORK WILL BE NECESSARY TO THE SATISFACTORY INSTALLATION OF THE NEW WORK. ALL CHANGES CAN NOT BE COMPLETELY DETAILED ON THE DRAWINGS BUT SHALL BE INCLUDED IN THIS CONTRACTOR'S PROPOSAL.

10. CONSTRUCTION SCHEDULE

CONTRACTOR SHALL SUBMIT TO THE OWNER A DETAILED SCHEDULE FOR WORK WITH THE BID PROPOSAL LISTING ALL MAJOR CONSTRUCTION ACTIVITIES, AND FINAL TESTING AND COMMISSIONING.

ALL WORK REQUIRING SHUTDOWN OF CRITICAL EQUIPMENT SHALL BE PERFORMED AFTER 6:00 PM AND/OR ON WEEKENDS, UNLESS SPECIFIED IN WRITING BY THE FACILITY MANAGER. REQUEST TO WORK AFTER HOURS AND ON WEEKENDS MUST BE MADE IN WRITING 72 HOURS IN ADVANCE TO THE OWNER. ALL POWER SHUTDOWNS SHALL BE SCHEDULED AT LEAST TWO (2) WEEKS IN ADVANCE AND APPROVED BY THE OWNER. PROVIDE WRITTEN REQUEST TO OWNER FOR ALL SHUTDOWNS.

11. BUILDING RULES AND REGULATIONS

CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING A COPY OF THE BUILDING CONSTRUCTION RULES AND STANDARDS AND REGULATIONS. BID PRICE SHALL BE BASED ON ADHERENCE TO ALL THESE RULES AND REGULATIONS.

12. CUTTING AND PATCHING

PERFORM ALL CUTTING AND ROUGH PATCHING WHERE REQUIRED FOR INSTALLATION, TO THE SATISFACTION OF THE OWNER. PROPER CHIPPING SHALL BE PERFORMED WHICH WILL NOT ALTER THE STRUCTURAL INTEGRITY OF THE BUILDING OR EQUIPMENT SUPPORTED BY SAME. CORING, CHIPPING AND CHASING OF CONCRETE MAY ONLY BE DONE BEFORE 7:00 AM AND AFTER 6:00 PM OR ON WEEKENDS OR AS PERMITTED BY FACILITY MANAGER.

PAINTING AND FINISHED PATCHING TO BE DONE GENERAL CONTRACTOR.

PROVIDE CUTTING AND PATCHING AS REQUIRED PER PHASE. ANY DAMAGE DONE TO THE STRUCTURE, PIPING OR EQUIPMENT AS A RESULT OF THIS CUTTING SHALL BE BORNE BY THE CONTRACTOR.

13. EQUIPMENT DELIVERY

CONTRACTOR SHALL ARRANGE FOR RECEIVING OF MATERIALS AT SITE AT TIMES PERMITTED BY THE OWNER. ALL MATERIALS AND EQUIPMENT SHALL BE BROKEN DOWN AND REASSEMBLED AS REQUIRED TO PERMIT ENTRANCE INTO THE ULTIMATE LOCATION OF INSTALLATION.

CONTRACTOR TO PAY ALL COST TO HAVE A MANUFACTURER'S AUTHORIZED FACTORY TRAINED TECHNICIAN PRESENT DURING BREAKDOWN, RE-ASSEMBLY AND START UP OF EQUIPMENT TO INSURE THAT FACTORY WARRANTIES AND/OR GUARANTEES ARE NOT VOIDED.

CONTRACTOR SHALL ARRANGE FOR STORING AND SECURING MATERIALS AND EQUIPMENT AT THE SITE AS DIRECTED BY THE FACILITY MANAGER OR GENERAL CONTRACTOR. THIS CONTRACTOR SHALL FURNISH ALL SUPERVISION, LABOR SERVICES, EQUIPMENT, MATERIAL, TOOLS, TRUCKING, HOISTING AND ERECTING APPARATUS, TRANSPORTATION AND SHALL PAY ALL FEES, PERMITS, INSPECTIONS, CERTIFICATES AND RELATED ITEMS.

14. RELOCATIONS AND REMOVALS

WHERE RELOCATION OR REMOVAL OF ELECTRICAL EQUIPMENT, AS INDICATED BY SYMBOLS OR OTHERWISE IN THE SPECIFICATIONS RESULTS IN LOSS OF POWER, FUNCTION AND/OR OPERATION, CONTRACTOR SHALL PROVIDE NECESSARY BRANCH WIRING, CONTROL WIRING, ETC. AS REQUIRED TO BYPASS THE REMOVED DEVICE TO MAINTAIN ELECTRICAL CONTINUITY TO THE REMAINING DEVICES ON INTERRUPTED FEED.

CONDUIT AND WIRE TO MATCH THE CONFIGURATION. CERTAIN REMOVAL AND RELOCATIONS OF EXISTING ELECTRICAL WORK WILL BE NECESSARY FOR THE SATISFACTORY PERFORMANCE OF THE GENERAL WORK. ALL CHANGES CANNOT BE COMPLETELY DETAILED ON THE DRAWING, BUT SHALL BE TAKEN INTO CONSIDERATION IN MAKING UP THE WORK PROPOSAL.

15. CLEANUP

CLEANUP SHALL BE IN ACCORDANCE WITH BASE BUILDING STANDARDS AND AS MANDATED BY THE OWNER. THE CONTRACTOR, PRIOR TO FINAL ACCEPTANCE, SHALL CLEAN ALL EQUIPMENT, SWITCHES, CABINETS, DEVICE PLATES, ND OTHER ITEMS FURNISHED UNDER THIS CONTRACT AND SHALL ENSURE THAT ALL PANELBOARD DIRECTORIES ARE IN PLACE AND COMPLETED OR REVISED AS REQUIRED BY THE WORK AND THAT ALL IDENTIFICATION AND MARKING IF EQUIPMENT, CABLES, ALL JUNCTION BOXES AND OTHER ITEMS IS COMPLETED.

16. FIRESTOPPING

FIRE STOPS SHALL BE PROVIDED WHERE CONDUITS AND RACEWAYS PASS THROUGH FIRE RATED PARTITIONS, WALLS OR FLOORS. INSTALL A FIRE STOP THAT PROVIDES AN EFFECTIVE BARRIER AGAINST THE SPREAD OF FIRE SMOKE AND GASES. THE FIRE STOP MATERIAL SHALL BE PACKED TIGHT AND COMPLETELY FILL CLEARANCES BETWEEN RACEWAYS AND OPENINGS. FIRE STOPS SHALL BE PROVIDED PER PHASE.

17. EXPANSION FITTINGS

ALL CONDUITS THAT CROSS BUILDING EXPANSION OR CONTROL JOINTS ARE TO BE PROVIDED WITH EXPANSION FITTINGS. ALL FITTINGS TO HAVE FLEXIBLE BONDING AND GROUNDING JUMPERS TO BY-PASS SLIDING OR MOVABLE PARTS.

ELECTRICAL SYMBOL LIST

POWER SYMBOL LIST

	DUPLEX RECEPTACLE; NEMA 5--20R
	QUAD RECEPTACLE
	SPECIALTY RECEPTACLE
	TWIST-LOCK RECEPTACLE
	TELE/DATA RECEPTACLE
	POWER AND DATA RECEPTACLE POKE-THRU
	JUNCTION BOX
	WALL-MOUNTED JUNCTION BOX
	SPLICE/PULL BOX
	BRANCH CIRCUIT HOMERUN TO PANEL
	MOTOR STARTER
	TINNED COPPER GROUND BUS BAR
	MOTOR - # REPRESENTS HORSEPOWER RATING
	SURGE PROTECTOR DEVICE
	TRANSIENT VOLTAGE SURGE SUPPRESSOR
	DEMAND METER
	FUSE RATING AS INDICATED ON DRAWINGS.
	SWITCH RATING AS INDICATED ON DRAWINGS.
	MOLDED CASE CIRCUIT BREAKER RATING AS INDICATED ON DRAWINGS.
	LOW VOLTAGE CIRCUIT BREAKER, DRAWOUT TYPE RATING AS INDICATED ON DRAWINGS.
	MEDIUM VOLTAGE CIRCUIT BREAKER, DRAWOUT TYPE RATING AS INDICATED ON DRAWINGS.
	DIESEL GENERATOR RATING AS INDICATED ON DRAWINGS.
	THREE PHASE DRY TYPE TRANSFORMER RATING AS INDICATED ON DRAWINGS.
	AUTOMATIC TRANSFER SWITCH RATINGS AS INDICATED ON DRAWINGS. N - NORMAL SOURCE E - EMERGENCY SOURCE L - LOAD
	UNFUSED DISCONNECT SWITCH #/#/# # - SWITCH AMPS # - NUMBER OF POLES
	FUSED DISCONNECT SWITCH #/#/# # - FUSE AMPS # - SWITCH AMPS # - NUMBER OF POLES

LIGHTING SYMBOL LIST

	TOGGLE SWITCH OS - SUBSCRIPT DENOTES SWITCH WITH INTEGRAL OCCUPANCY SENSOR D - SUBSCRIPT DENOTES SWITCH WITH DIMMING o - LOWERCASE SUBSCRIPT DENOTES DESIGNATION
	3-WAY TOGGLE SWITCH
	CEILING MOUNTED OCCUPANCY SENSOR

SECURITY SYMBOL LIST

	CARD READER
	DOOR CONTACT
	REQUEST TO EXIT
	ELECTRIC STRIKE

ELECTRICAL DRAWING LIST

SHEET No.	SHEET TITLE	ISSUE AND DATE		
		CONSTRUCTION DOCS	BID SET	ADDENDUM #4
1	E-001 ELECTRICAL COVER SHEET	•	•	•
2	E-002 ELECTRICAL SPECIFICATIONS SHEET	•	•	•
3	E-101 ELECTRICAL 1ST FLOOR PLAN	•	•	•
4	E-102 ELECTRICAL 2ND FLOOR PLAN	•	•	•
5	E-103 ELECTRICAL 3RD FLOOR PLAN	•	•	•
6	E-104 ELECTRICAL 4TH FLOOR PLAN	•	•	•
7	E-1R1 ELECTRICAL ROOF PLAN	•	•	•
8	E-501 ELECTRICAL DETAILS SHEET	•	•	•
9	E-601 ELECTRICAL SINGLE LINE DIAGRAM	•	•	•

ABBREVIATIONS

A	- AMPS
C	- CONDUIT
DWG	- DRAWING
E	- EXISTING
EC	- ELECTRICAL CONTRACTOR
EM	- EMERGENCY
FA	- FIRE ALARM
NEC	- NATIONAL ELECTRIC CODE
NEMA	- NATIONAL ELECTRICAL
N.T.S.	- NOT TO SCALE
P	- POLE
SPECS	- SPECIFICATIONS
TYP	- TYPICAL
U.O.N.	- UNLESS OTHERWISE NOTED
V	- VOLTS
W	- WATTS

APPLICABLE CODES

- 2021 NEW JERSEY BUILDING CODE
- 2021 NEW JERSEY ENERGY CODE
- 2020 NFPA 70 NEW JERSEY AMENDMENTS
- 2019 NFPA 72

LIGHTING FIXTURE SCHEDULE

SYMBOL	TYPE	REFERENCE	LUMENS	WATTS	CCT	VOLTAGE
	OUTDOOR INTEGRATED LED FLOOD LIGHT	LITHONIA LIGHTING CONTRACTOR SELECT OUTDOOR LED FLOOD LIGHT #ESXF1 ALO SWW2 KY DDB	1500	9	4000K	120V

ADDITIONAL NOTES:
1. ALL NOTED FIXTURES WITH SPECIFIC MODEL NUMBERS ARE PROVIDED FOR REFERENCE / INTENT ONLY. ALL FINAL FIXTURES SHALL BE COORDINATED WITH OWNER.
2. ALL MOUNTING HARDWARE SHALL BE COORDINATED IN FIELD



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UNION COUNTY
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AUTHORITY

GERRY B. GREEN
PLAZA ALTERATIONS

200 WEST 2ND STREET
PLAINFIELD, NJ
PROJECT NO. 158-25-001

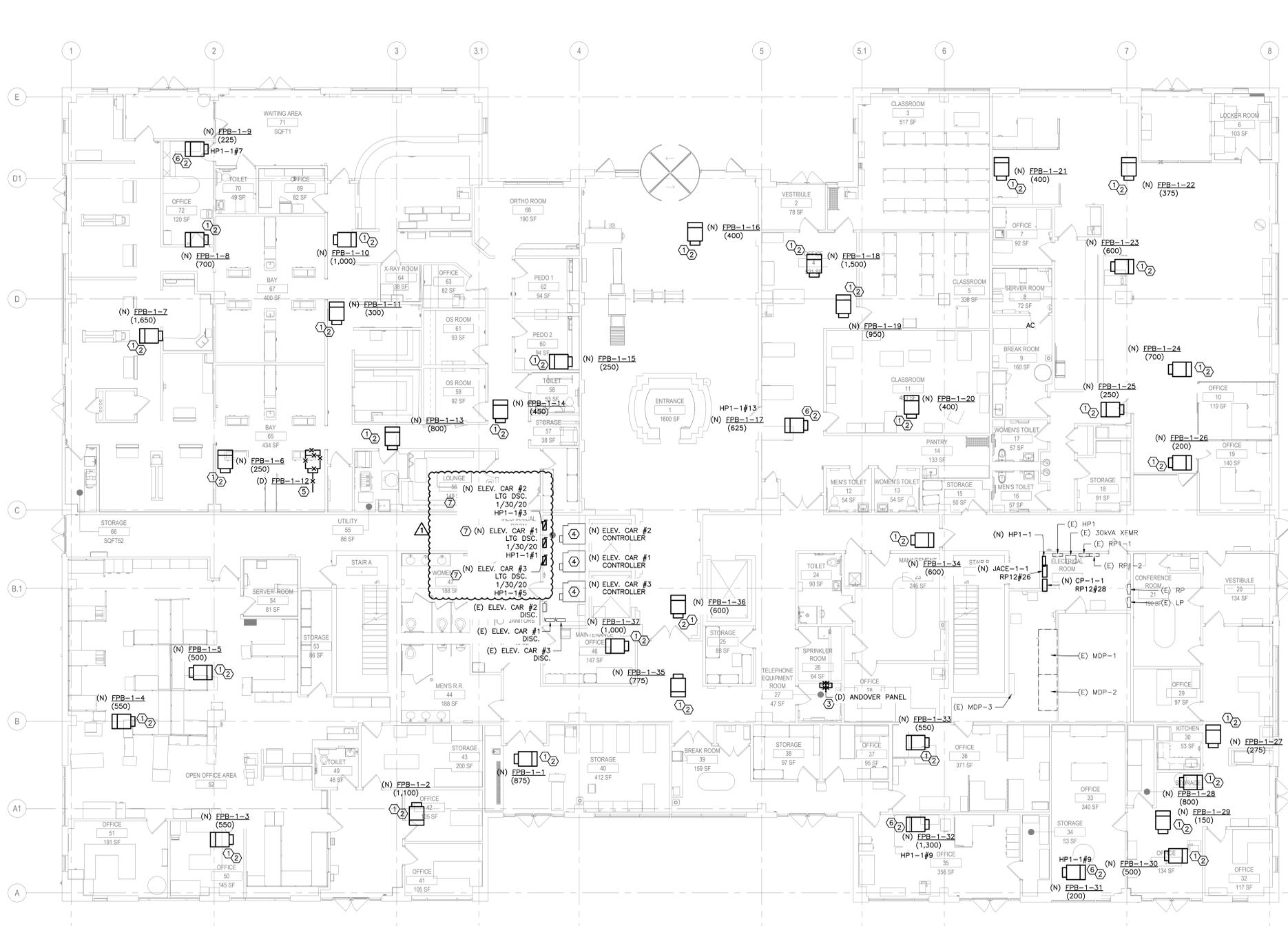
REV	DESCRIPTION	DATE
-	Bid Set	05/16/2025
-	Addendum #4	07/30/2025

DRAWING TITLE
**ELECTRICAL
COVER SHEET**

CHECKED BY: LL DRAWN BY: CM

DRAWING No.
E-001

REV	DESCRIPTION	DATE
-	Blk Set	06/16/2025
-	Addendum #4	07/30/2025



LEGEND:
 --- (E) EXISTING EQUIPMENT TO REMAIN
 - - - - (R) EXISTING EQUIPMENT, CONDUIT, AND WIRING TO BE RELOCATED
 -x-x-x-x- (D) EXISTING EQUIPMENT, WIRING, AND CONDUIT TO BE REMOVED
 --- (N) NEW EQUIPMENT, WIRING, AND CONDUIT

PANEL DESIGNATION
 HP1#1 → CIRCUIT NUMBER(S) / PANEL DESIGNATION - EXISTING PANEL 'HP-1' (480/277V)
 RP12#1 → CIRCUIT NUMBER(S) / PANEL DESIGNATION - EXISTING PANEL 'RP1-2' (208/120V)

- GENERAL POWER DEMOLITION NOTES:**
- ALL WORK SHALL BE COORDINATED WITH OWNER. ANY POWER SHUTDOWNS SHALL BE COORDINATED WITH OWNER IN ADVANCE.
 - ALL CONDUITS, CABLING, PULL BOXES, SUPPORTS, ETC. ASSOCIATED WITH EQUIPMENT SHOWN TO BE DEMOLISHED ON PLAN SHALL BE DISCONNECTED AND REMOVED BACK TO SOURCE. REFER TO E60000 DRAWING SERIES FOR ELECTRICAL SINGLE LINE DIAGRAM.
 - ELECTRICAL CONTRACTOR SHALL FURNISH ALL LABOR REQUIRED FOR DEMOLITION OF EXISTING ELECTRICAL INSTALLATION AS DESCRIBED BELOW:
 - MINIMIZE THE DISRUPTION OF OPERATION OF EXISTING FACILITY.
 - REMOVE ALL EXISTING FLOOR BOXES, RECEPTACLES, JUNCTION BOXES, PULL BOXES, SUPPORTS, ETC. NO LONGER REQUIRED.
 - DISCONNECT AND REMOVE CONDUITS AND CABLES DIRECTLY AFFECTED BY DEMOLITION OF DEVICES TO NEAREST JUNCTION BOX OR BACK TO SOURCE WHERE THERE IS NO ACTIVE DEVICE CONNECTED TO THAT CIRCUIT/LOOP AS REQUIRED, U.O.N.
 - AT THE COMPLETION OF WORK ALL RUBBISH, DEBRIS AND WASTE MATERIALS SHALL BE REMOVED BY THE CONTRACTOR AND THE PREMISES SHALL BE LEFT IN CLEAN CONDITION.
 - ALL WALL/FLOOR OPENINGS IN AREAS OF DEMOLITION SHALL BE PROPERLY SEALED AS REQUIRED. FIRE SEALANT SHALL MATCH WALL/FLOOR RATING.
 - REFER TO ARCHITECTURAL, MECHANICAL, AND OTHER TRADES DRAWINGS. COORDINATE AND PERFORM POWER DEMOLITION SCOPE OF WORK ASSOCIATED WITH OTHER TRADES DRAWINGS AS REQUIRED.
 - CONTRACTOR SHALL ATTEND SITE WALK-THROUGH PRIOR TO BID TO CAPTURE COMPLETE DEMOLITION SCOPE INCLUDING DEVICE QUANTITIES. NO CHANGE ORDER WILL BE ACCEPTED FOR ANY EQUIPMENT OR DEVICES WHICH REQUIRE DEMOLITION BUT ARE NOT SHOWN ON THESE PLANS.
 - PRIOR TO REMOVING ANY MATERIAL OR EQUIPMENT FROM THE SITE, CONSULT WITH OWNER, TO VERIFY IF OWNER WANTS TO RETAIN THE ITEM TO BE REMOVED. OWNER SHALL AT ALL TIMES RETAIN THE OPTION OF KEEPING ANY ITEM REMOVED. DELIVER THE ITEM TO A LOCATION DESIGNATED BY THE OWNER.
 - ANY EXISTING EQUIPMENT DAMAGED DURING DEMOLITION SHALL BE REPAIRED AND/OR RESTORED BY THE CONTRACTOR AT THEIR OWN EXPENSE TO THE SATISFACTION AND APPROVAL OF THE OWNER.

- GENERAL POWER NOTES:**
- COORDINATE ALL WORK AFFECTING INFRASTRUCTURE SERVING CRITICAL LOADS IN THE FACILITY INCLUDING DEMOLITION, SHUTDOWNS, PANELBOARD REPLACEMENTS, FEEDER REMOVALS AND TERMINATIONS, TESTING, ETC. WITH THE OWNER. NO WORK SHALL BE PERFORMED WITHOUT THE OWNER'S APPROVAL.
 - PERFORM ALL WORK ASSOCIATED WITH EQUIPMENT SHUTDOWNS DURING NON-BUSINESS HOURS, UNLESS OTHERWISE DIRECTED BY THE OWNER.
 - PREPARE DETAILED METHOD-OF-PROCEDURES (MOP'S) FOR ALL TASKS AFFECTING CRITICAL POWER DISTRIBUTION IN THE FACILITY. MOP'S SHALL INCLUDE STEP-BY-STEP SCOPE OF WORK TASKS WITH RELATED INFORMATION INCLUDING PREREQUISITES, TASK DURATIONS, RESPONSIBLE PARTIES, ETC. MOP'S SHALL BE SUBMITTED FOR THE OWNER'S APPROVAL PRIOR TO COMMENCEMENT OF ANY WORK RELATED TO ITEMS LISTED ABOVE. NO WORK SHALL BE PERFORMED UNLESS THE MOP'S HAVE BEEN APPROVED BY ALL PARTIES.
 - WHERE ELECTRICAL WORK IS NOT SHOWN, EXISTING ELECTRICAL EQUIPMENT, OUTLETS, WIRING DEVICES AND ASSOCIATED BRANCH CIRCUITING TO REMAIN IN THAT AREA.
 - CIRCUITS ARE DESIGNATED BY THE NUMBER SHOWN ADJACENT TO EACH RECEPTACLE, EQUIPMENT, OR JUNCTION BOX. WIRING IS SHOWN ONLY UNDER SPECIAL CIRCUMSTANCES. PROVIDE ALL CONDUIT, WIRES AND BOXES AS REQUIRED TO ENERGIZE THE EQUIPMENT AS SHOWN.
 - ELECTRICAL CONTRACTOR TO PROVIDE AND INSTALL ALL MATERIALS, METAL STRUCTURES, ACCESSORIES, HARDWARE, ETC. NEEDED TO MOUNT AND SECURE ELECTRICAL EQUIPMENT.
 - ALL SINGLE PHASE 20A BRANCH CIRCUITS SHALL CONSIST OF 2#12, 1#12G, IN 3/4" C, UNLESS OTHERWISE NOTED. UTILIZE #10 GAUGE WIRE FOR BRANCH CIRCUITS EXCEEDING OF 100' LENGTH OF RUN FROM SOURCE.
 - ALL RECEPTACLE ELEVATION SHALL BE 18" A.F.F. UNLESS OTHERWISE NOTED. REFER TO ARCHITECTURAL DRAWINGS FOR ADDITIONAL INFORMATION.
 - ALL MECHANICAL EQUIPMENT SHOWN ON PLAN SHALL BE FURNISHED BY MECHANICAL CONTRACTOR AND ENERGIZED BY ELECTRICAL CONTRACTOR. COORDINATE POWER REQUIREMENTS AND LOCATION OF MECHANICAL EQUIPMENT WITH MECHANICAL CONTRACTOR PRIOR TO INSTALLATION.
 - ALL STUB UP LOCATIONS INTO ELECTRICAL EQUIPMENT SHALL BE COORDINATED IN FIELD WITH EQUIPMENT VENDORS.
 - ELECTRICAL CONTRACTOR SHALL COORDINATE LOCATION OF ALL NEW EQUIPMENT WITH EXISTING INSTALLATIONS.
 - REMOVE AND RELOCATE EXISTING CONDUITS, DUCTS, LIGHT FIXTURES, ETC. IN CONFLICT WITH NEW EQUIPMENT LOCATIONS.
 - WHERE MORE THAN THREE CURRENT CARRYING CONDUCTORS ARE INSTALLED IN THE SAME CONDUIT, DE-RATING SHALL BE APPLIED PER NEC.
 - REFER TO E60000 DRAWING SERIES FOR SINGLE LINE DIAGRAMS.
 - UPDATE PANEL DIRECTORIES OF ALL EXISTING PANELBOARDS AFFECTED UNDER THE PROJECT'S SCOPE OF WORK.

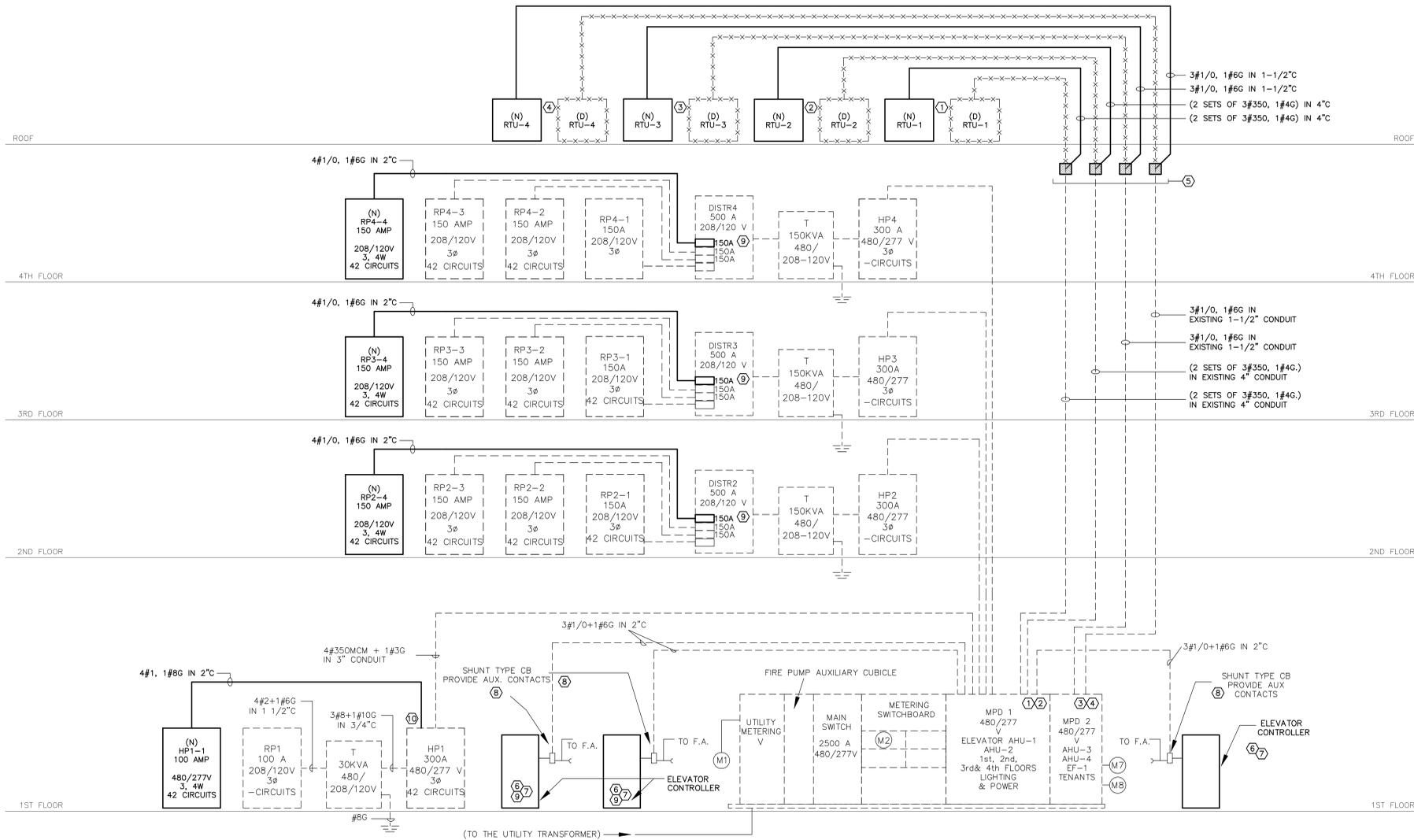
- KEY NOTES:**
- EXISTING HVAC EQUIPMENT TO BE REMOVED AND REPLACED BY MECHANICAL CONTRACTOR. ELECTRICAL CONTRACTOR TO DISCONNECT AND SAFE-OFF EXISTING CONDUIT AND WIRING TO POWER NEW EQUIPMENT IN SAME LOCATION. PROVIDE NEW CONDUIT AND WIRING AS REQUIRED.
 - ELECTRICAL CONTRACTOR TO TRACE EXISTING CONDUIT AND WIRING AND VERIFY SOURCE PRIOR TO INSTALLATION OF NEW EQUIPMENT. UPDATE PANEL DIRECTORIES OF ALL EXISTING PANELBOARDS AFFECTED AFTER INSTALLATION OF NEW EQUIPMENT.
 - EXISTING CONTROL PANEL TO BE DEMOLISHED BY MECHANICAL CONTRACTOR. ELECTRICAL CONTRACTOR TO DISCONNECT AND REMOVE EXISTING CONDUIT AND WIRING ASSOCIATED WITH EQUIPMENT BACK TO SOURCE.
 - EXISTING HVAC EQUIPMENT TO BE DEMOLISHED BY MECHANICAL CONTRACTOR. ELECTRICAL CONTRACTOR TO DISCONNECT AND REMOVE CONDUIT AND WIRING ENTIRELY BACK TO SOURCE.
 - EXISTING HVAC EQUIPMENT TO BE REMOVED AND REPLACED BY MECHANICAL CONTRACTOR. VERIFY VOLTAGE AND SOURCE OF EXISTING CIRCUIT SERVING UNIT. IF THE CIRCUIT IS 277V, THE CIRCUIT MAY BE RE-UTILIZED. IN THE EVENT THE CIRCUIT IS NOT 277V, ELECTRICAL CONTRACTOR TO DISCONNECT AND REMOVE CONDUIT AND WIRING ENTIRELY BACK TO SOURCE. PROVIDE NEW ELECTRICAL CIRCUIT FROM NEW SOURCE AS NOTED.
- ADD ALTERNATE**
- PROVIDE ADD ALTERNATE PRICING FOR THE FOLLOWING:
 - EXISTING ELEVATOR EQUIPMENT AND CAR TO BE MODERNIZED BY OTHERS. ELECTRICAL CONTRACTOR TO DISCONNECT AND SAFE-OFF EXISTING CONDUIT AND WIRING TO POWER NEW EQUIPMENT IN SAME LOCATION. PROVIDE NEW CONDUIT AND WIRING AS REQUIRED.
 - PROVIDE FUSED DISCONNECT SWITCHES AS REQUIRED FOR ELEVATOR MODERNIZATION SCOPE OF WORK

1 ELECTRICAL 1ST FLOOR POWER PLAN
SCALE: 1/8" = 1'-0"

PANEL DESIGNATION:	VOLTAGE:	BUS SIZE:	MAIN:	NEUT:	SC RATING:	LOCATION:	MOUNTING:
(E) HP1	480/277 V 3-PHASE, 4-WIRE	300A	300A MLO	100%	100KVA	ELECTRICAL ROOM 22	
CIRCUIT BREAKER	LOAD DESCRIPTION	LOAD Type	LOAD (VA)	LOAD PER PHASE	LOAD (VA)	LOAD Type	CIRCUIT BREAKER
POLES / TRIP				PHASE A / PHASE B / PHASE C			TRIP / POLES
1 1 20	LIGHTING STAIRWELLS					LIGHTING ROOM 108, 108A	20 1 2
3 1 20	CORRIDOR AND OFFICE LIGHTS					REVOLVING DOOR	20 1 4
5 1 20	LOBBY LIGHTS					REHEAT VAV ENTRANCE	25 1 6
7 1 20	LOBBY LIGHTS					VAV PH-4-FB-G	50 1 8
9 1 20	LOBBY LIGHTS					EXISTING	50 1 10
11 1 20	VAV					WC	40 1 12
13 1 20	ALDEN GROUP LIGHTING					WC	50 1 14
15 1 20	VESTIBULE HEATER					WC	50 1 16
17 1 20	WC LIGHTING					WC	50 1 18
19 1 20	30KVA XFMR					EXISTING	30 1 20
21 1 20	COFFEE SHOP VAV					EXISTING	30 1 22
23 1 20	SPACE					EXISTING	30 1 24
25 1 20	SPACE					EXISTING	30 1 26
27 1 20	SPACE					EXISTING	30 1 28
29 1 20	SPACE					EXISTING	30 1 30
31 1 20	SPACE					ALDEN GROUP VAV	50 1 32
33 1 20	WALL HEATER WEST WALL					WATER HEATER	20 2 34
35 1 20	WALL HEATER EAST WALL					WATER HEATER	20 2 36
37 1 20	SPACE					EXISTING	30 1 38
39 3 40	RP1-1					* HP1-1	100 3 40
41 1 20	SPACE					EXISTING	30 1 42
TOTAL NEW CONNECTED LOAD:			0.00		KVA		
TOTAL DEMAND LOAD:			0		KVA		

PANEL DESIGNATION:	VOLTAGE:	BUS SIZE:	MAIN:	NEUT:	SC RATING:	LOCATION:	MOUNTING:
(N) HP1-1	480/277 V 3-PHASE, 4-WIRE	100A	100A MLO	100%	35KVA	ELECTRICAL ROOM 22	
CIRCUIT BREAKER	LOAD DESCRIPTION	LOAD Type	LOAD (VA)	LOAD PER PHASE	LOAD (VA)	LOAD Type	CIRCUIT BREAKER
POLES / TRIP				PHASE A / PHASE B / PHASE C			TRIP / POLES
1 1 20	ELEV CAR 1 LTG DSC					Spare	20 1 2
3 1 20	ELEV CAR 2 LTG DSC					Spare	20 1 4
5 1 20	ELEV CAR 3 LTG DSC					Spare	20 1 6
7 1 20	FBP-1-9					Spare	20 1 8
9 1 20	FBP-1-32					Spare	20 1 10
11 1 20	FBP-1-31					Spare	20 1 12
13 1 20	FBP-1-17					Spare	20 1 14
15 1 20	FBP-1-13					Spare	20 1 16
17 1 20	FBP-1-30					Spare	20 1 18
19 1 20	FBP-1-33					Spare	20 1 20
21 1 20	FBP-1-34					Spare	20 1 22
23 1 20	FBP-1-35					Spare	20 1 24
25 1 20	FBP-1-36					Spare	20 1 26
27 1 20	FBP-1-37					Spare	20 1 28
29 1 20	FBP-1-38					Spare	20 1 30
31 1 20	FBP-1-39					Spare	20 1 32
33 1 20	FBP-1-40					Spare	20 1 34
35 1 20	FBP-1-41					Spare	20 1 36
37 1 20	FBP-1-42					Spare	20 1 38
39 1 20	FBP-1-43					Spare	20 1 40
41 1 20	FBP-1-44					Spare	20 1 42
TOTAL NEW CONNECTED LOAD:			0.00		KVA		
TOTAL DEMAND LOAD:			0		KVA		

PANEL DESIGNATION:	VOLTAGE:	BUS SIZE:	MAIN:	NEUT:	SC RATING:	LOCATION:	MOUNTING:
(E) RP1-2	120/208V 3-PHASE, 4-WIRE	100A	100A MLO	100%	18KVA		
CIRCUIT BREAKER	LOAD DESCRIPTION	LOAD Type	LOAD (VA)	LOAD PER PHASE	LOAD (VA)	LOAD Type	CIRCUIT BREAKER
POLES / TRIP				PHASE A / PHASE B / PHASE C			TRIP / POLES
1 1 20	EXISTING					EXISTING	20 1 2
3 1 20	EXISTING					EXISTING	20 1 4
5 1 20	EXISTING					EXISTING	20 1 6
7 1 20	EXISTING					EXISTING	20 1 8
9 1 20	EXISTING					EXISTING	20 1 10
11 1 20	EXISTING					EXISTING	20 1 12
13 1 20	EXISTING					EXISTING	20 1 14
15 1 20	EXISTING					EXISTING	20 1 16
17 1 20	EXISTING					EXISTING	20 1 18
19 1 20	EXISTING					EXISTING	20 1 20
21 1 20	EXISTING					EXISTING	20 1 22
23 1 20	EXISTING					EXISTING	20 1 24
25 1 20	EXISTING					EXISTING	20 1 26
27 1 20	EXISTING					EXISTING	20 1 28
29 1 20	EXISTING					EXISTING	20 1 30
31 1 20	EXISTING					EXISTING	20 1 32
33 1 20	EXISTING					EXISTING	20 1 34
35 1 20	EXISTING					EXISTING	20 1 36
37 1 20	EXISTING					EXISTING	20 1 38
39 1 20	EXISTING					EXISTING	20 1 40
41 1 20	EXISTING					EXISTING	20 1 42
TOTAL NEW CONNECTED LOAD:			0.00		KVA		
TOTAL DEMAND LOAD:			0		KVA		



LEGEND:
 - - - - - (E) EXISTING EQUIPMENT TO REMAIN
 - - - - - (R) EXISTING EQUIPMENT, CONDUIT, AND WIRING TO BE RELOCATED
 - x - x - x - (D) EXISTING EQUIPMENT, WIRING AND CONDUIT TO BE REMOVED
 - - - - - (N) NEW EQUIPMENT, WIRING AND CONDUIT

GENERAL POWER DEMOLITION NOTES:

- ALL WORK SHALL BE COORDINATED WITH OWNER. ANY POWER SHUTDOWNS SHALL BE COORDINATED WITH OWNER IN ADVANCE.
- ELECTRICAL CONTRACTOR SHALL FURNISH ALL LABOR REQUIRED FOR DEMOLITION OF EXISTING ELECTRICAL INSTALLATION AS DESCRIBED BELOW:
 - MINIMIZE THE DISRUPTION OF OPERATION OF EXISTING FACILITY.
 - REMOVE ALL EXISTING FLOOR BOXES, RECEPTACLES, JUNCTION BOXES, PULL BOXES, SUPPORTS, ETC. NO LONGER REQUIRED.
 - DISCONNECT AND REMOVE CONDUITS AND CABLES DIRECTLY AFFECTED BY DEMOLITION OF DEVICES TO NEAREST JUNCTION BOX OR BACK TO SOURCE WHERE THERE IS NO ACTIVE DEVICE CONNECTED TO THAT CIRCUIT/LOOP AS REQUIRED, U.O.N.
- AT THE COMPLETION OF WORK ALL RUBBISH, DEBRIS AND WASTE MATERIALS SHALL BE REMOVED BY THE CONTRACTOR AND THE PREMISES SHALL BE LEFT IN CLEAN CONDITION.
- ALL WALL/FLOOR OPENINGS IN AREAS OF WORK SHALL BE PROPERLY SEALED AS REQUIRED. FIRE SEALANT SHALL MATCH WALL/FLOOR RATING.
- PRIOR TO REMOVING ANY MATERIAL OR EQUIPMENT FROM THE SITE, CONSULT WITH OWNER, TO VERIFY IF OWNER WANTS TO RETAIN THE ITEM TO BE REMOVED. OWNER SHALL AT ALL TIMES RETAIN THE OPTION OF KEEPING ANY ITEM REMOVED. DELIVER THE ITEM TO A LOCATION DESIGNATED BY THE OWNER.
- ANY EXISTING EQUIPMENT DAMAGED DURING DEMOLITION SHALL BE REPAIRED AND/OR RESTORED BY THE CONTRACTOR AT THEIR OWN EXPENSE TO THE SATISFACTION AND APPROVAL OF THE OWNER.

GENERAL POWER NOTES:

- COORDINATE ALL WORK AFFECTING INFRASTRUCTURE SERVING CRITICAL LOADS IN THE FACILITY INCLUDING DEMOLITION, SHUTDOWNS, PANELBOARD REPLACEMENTS, FEEDER REMOVALS AND TERMINATIONS, TESTING, ETC. WITH THE OWNER. NO WORK SHALL BE PERFORMED WITHOUT THE OWNER'S APPROVAL.
- PERFORM ALL WORK ASSOCIATED WITH EQUIPMENT SHUTDOWNS DURING NON-BUSINESS HOURS, UNLESS OTHERWISE DIRECTED BY THE OWNER.
- PREPARE DETAILED METHOD-OF-PROCEDURES (MOP'S) FOR ALL TASKS AFFECTING CRITICAL POWER DISTRIBUTION IN THE FACILITY. MOP'S SHALL INCLUDE STEP-BY-STEP SCOPE OF WORK TASKS WITH RELATED INFORMATION INCLUDING PREREQUISITES, TASK DURATIONS, RESPONSIBLE PARTIES, ETC. MOP'S SHALL BE SUBMITTED FOR THE OWNER'S APPROVAL PRIOR TO COMMENCEMENT OF ANY WORK RELATED TO ITEMS LISTED ABOVE. NO WORK SHALL BE PERFORMED UNLESS THE MOP'S HAVE BEEN APPROVED BY ALL PARTIES.
- WHERE ELECTRICAL WORK IS NOT SHOWN, EXISTING ELECTRICAL EQUIPMENT, OUTLETS, WIRING DEVICES AND ASSOCIATED BRANCH CIRCUITING TO REMAIN IN THAT AREA.
- ELECTRICAL CONTRACTOR TO PROVIDE AND INSTALL ALL MATERIALS, METAL STRUCTURES, ACCESSORIES, HARDWARE, ETC. NEEDED TO MOUNT AND SECURE ELECTRICAL EQUIPMENT.
- ELECTRICAL CONTRACTOR SHALL COORDINATE LOCATION OF ALL NEW EQUIPMENT WITH EXISTING INSTALLATIONS.
- WHERE MORE THAN THREE CURRENT CARRYING CONDUCTORS ARE INSTALLED IN THE SAME CONDUIT, DE-RATING SHALL BE APPLIED PER NEC.

KEY NOTES:

- EXISTING RTU SHALL BE REMOVED AND REPLACED BY OTHERS. ELECTRICAL CONTRACTOR TO PROVIDE NEW 3P-450A CIRCUIT BREAKER IN EXISTING "MPD 1" TO POWER NEW "RTU-1". BREAKER TYPE AND SHORT CIRCUIT RATING SHALL MATCH EXISTING WITHIN PANEL. PROVIDE NEW CONDUIT AND WIRING FROM LOCATION SHOWN.
- EXISTING RTU SHALL BE REMOVED AND REPLACED BY OTHERS. ELECTRICAL CONTRACTOR TO PROVIDE NEW 3P-500A CIRCUIT BREAKER IN EXISTING "MPD 1" TO POWER NEW "RTU-2". BREAKER TYPE AND SHORT CIRCUIT RATING SHALL MATCH EXISTING WITHIN PANEL. PROVIDE NEW CONDUIT AND WIRING FROM LOCATION SHOWN.
- EXISTING RTU SHALL BE REMOVED AND REPLACED BY OTHERS. ELECTRICAL CONTRACTOR TO PROVIDE NEW 3P-125A CIRCUIT BREAKER IN EXISTING "MPD 2" TO POWER NEW "RTU-3". BREAKER TYPE AND SHORT CIRCUIT RATING SHALL MATCH EXISTING WITHIN PANEL. PROVIDE NEW CONDUIT AND WIRING FROM LOCATION SHOWN.
- EXISTING RTU SHALL BE REMOVED AND REPLACED BY OTHERS. ELECTRICAL CONTRACTOR TO PROVIDE NEW 3P-125A CIRCUIT BREAKER IN EXISTING "MPD 2" TO POWER NEW "RTU-4". BREAKER TYPE AND SHORT CIRCUIT RATING SHALL MATCH EXISTING WITHIN PANEL. PROVIDE NEW CONDUIT AND WIRING FROM LOCATION SHOWN.
- EXISTING CONDUITS SHALL BE CUT BACK BELOW ROOF PENETRATION. EXISTING CONDUCTORS SHALL BE DISCONNECTED AND PULLED FROM THE EXISTING CONDUIT. EXISTING CONDUIT SHALL BE RE-UTILIZED FOR NEW RTU. CONTRACTOR SHALL INSPECT EXISTING CONDUIT AND VERIFY THAT IT IS IN GOOD CONDITION FOR RE-USE. INTERCEPT EXISTING CONDUIT FOR TERMINATION INTO NEW RTU. CONDUIT PENETRATIONS THROUGH THE ROOF SHALL BE PROPERLY SEALED. PULL NEW CONDUCTORS THROUGH EXISTING CONDUIT AS NOTED.
- REMOVE (3) 1P BREAKERS FROM PANEL TO MAKE SPACE FOR NEW 3P BREAKER. IF THERE ARE EXISTING LOADS UTILIZING THE REMOVED (3) 1P BREAKERS, THEY SHALL BE RELOCATED TO THE NEW PANEL BOARD SCHEDULED TO BE INSTALLED. PROVIDE WIRE AND CONDUIT MATCHING EXISTING AS REQUIRED.

ADD ALTERNATE

- PROVIDE ADD ALTERNATE PRICING FOR THE FOLLOWING:
 - EQUIPMENT TO BE REMOVED AND REPLACED WITH NEW BY OTHERS. ELECTRICAL CONTRACTOR TO DISCONNECT AND SAFE OFF EXISTING CONDUIT AND WIRING FROM EQUIPMENT. RECONNECT EXISTING CONDUIT AND WIRING TO NEW ELEVATOR CONTROLLER AS SHOWN. PROVIDE NEW CONDUIT AND WIRING AS REQUIRED.
 - ELEVATOR EQUIPMENT PROVIDED BY OTHERS. ELECTRICAL CONTRACTOR SHALL PROVIDE ALL SUPPORT AS REQUIRED FOR THE INSTALLATION / REPLACEMENT OF ELEVATOR WITH ITS ASSOCIATED CONTROLLER. ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR:
 - ENGAGE "LERCHE BATES" TO OBTAIN COMPLETE SCOPE OF WORK AS REQUIRED TO SUPPORT INSTALLATION.
 - AUXILIARY CONTACTS TO DISABLE EMERGENCY BATTERY LOWERING
 - SINGLE-PHASE COPPER POWER FEEDER TO EACH ELEVATOR WITH INDIVIDUAL PROTECTED LOCKABLE "OPEN" DISCONNECTING MEANS LOCATED IN MACHINE ROOM FOR UTILIZATION EQUIPMENT (REFER TO E-101 FOR EQUIPMENT LOCATIONS):
 - CAR LIGHTING AND BLOWER
 - PIT SUMP PUMP
 - EMERGENCY TELEPHONE LINE TO ELEVATOR CONTROL PANEL IN ELEVATOR MACHINE ROOM.
 - PROVIDE A DEDICATED PHONE LINE AT LOCATIONS THAT CALL FOR MASTER INTERCOM STATIONS.
 - DEDICATED CELLULAR
 - PROVIDE STARTUP SUPPORT AS REQUIRED
 ENSURE ALL INTERCONNECTIONS AND FUNCTIONALITY TO OTHER SYSTEMS ARE MAINTAINED AND RE-CONNECTED TO THE NEW ELEVATOR CONTROLLER / SYSTEM (FIRE ALARM, SECURITY, BMS, ETC...).
 - ELECTRICAL CONTRACTOR SHALL VERIFY FUNCTIONALITY OF SHUNT TRIP. PROVIDE NEW AS REQUIRED.
 - ELECTRICAL CONTRACTOR SHALL PROVIDE NEW CIRCUIT BREAKER IN EXISTING PANEL TO POWER NEW PANEL AS SHOWN. BREAKER TYPE AND SHORT CIRCUIT RATING SHALL MATCH EXISTING IN PANELBOARD. REFER TO PANEL SCHEDULES ON E-101, E-102, E-103, AND E-104 FOR ADDITIONAL INFORMATION.

UNION COUNTY
IMPROVEMENT
AUTHORITY

GERRY B. GREEN
PLAZA ALTERATIONS

200 WEST 2ND STREET
PLAINFIELD, NJ
PROJECT NO. 158-25-001

REV	DESCRIPTION	DATE
-	Blk Set	06/16/2025
-	Addendum #4	07/30/2025

DRAWING TITLE
ELECTRICAL
SINGLE LINE DIAGRAM
CHECKED BY: LL DRAWN BY: CM

DRAWING NO.
E-601

FIRE ALARM SYSTEM GENERAL NOTES:

- PRIOR TO BID, CONTRACTOR SHALL CONTACT THE BUILDING FIRE ALARM VENDOR (SIMPLEX) AND OBTAIN PRICING FOR THE EQUIPMENT AND SERVICES LISTED BELOW, WHICH MUST BE PROVIDED BY THAT VENDOR.
- NO WORK SHALL BE DONE UNTIL DRAWINGS ARE APPROVED BY PLAN EXAMINATION BOARD.
- CONTRACTOR SHALL BE RESPONSIBLE FOR REQUESTING AND COORDINATING INSPECTIONS WITH THE ATTENDANCE OF ALL REQUIRED TRADES AND PERSONNEL.
- ALL EQUIPMENT FURNISHED AND INSTALLED BY ELECTRICAL CONTRACTOR SHALL BE PURCHASED FROM THE BUILDING FIRE ALARM VENDOR TO ASSURE COMPATIBILITY WITH EXISTING BASE BUILDING FIRE ALARM SYSTEM.
- REPROGRAMMING OF FIRE ALARM CONTROL PANEL AND FINAL CONNECTIONS AT DGP ARE BY BUILDING'S FIRE ALARM VENDOR. INCLUDE PRICE FOR SAME IN BID PRICE.
- FIRE ALARM STROBE LIGHT UNITS AND COMBINATION SPEAKER/STROBE UNITS SHALL BE BASE BUILDING TYPE, ADA APPROVED AND MOUNTED IN ACCORDANCE WITH SAME.
- ALL NEW FIRE ALARM VISUAL DEVICES AND COMBINATION AUDIO/VISUAL DEVICES SHALL BE "SYNCHRONIZED" TYPE. PROVIDE SYNCHRONIZING INTERFACE PANEL AND NEW WIRING AS REQUIRED. ALL NOTIFICATION DEVICES SHALL SYNCHRONIZE WITH ADJACENT DEVICES.
- PROVIDE NEW WIRING AS REQUIRED FOR RELOCATED FIRE ALARM DEVICES. ALL NOTIFICATION DEVICES SHALL SYNCHRONIZE WITH ADJACENT DEVICES.
- COORDINATE FACEPLATE COLOR FOR ALL FIRE ALARM DEVICES WITH ARCHITECT PRIOR TO PLACING THE ORDER. ALL NEW FIRE ALARM DEVICES SHALL MATCH EXISTING.
- ALL NEW FIRE ALARM DEVICES SHALL BE ADDRESSABLE TYPE AND U.L. LISTED.
- CONNECT MAXIMUM OF TEN (10) SPEAKER/STROBES PER CIRCUIT.
- ADJACENT SPEAKER/STROBES SHALL BE CIRCUITED TO ALTERNATE CIRCUITS.
- ALL CABLING SHALL BE TEFロン INSULATED, JACKETED, AND RATED 200' FIRE PROTECTION SERVICE APPROVED, RUN 4 #14 TO EACH SPEAKER/STROBE DEVICE AND 2 #16 TWISTED SHIELDED PAIR TO EACH INTELLIGENT DEVICE.
- ALL FIRE ALARM WIRING SHALL BE INSTALLED IN DEDICATED 3/4" EMT TYPE CONDUIT WITH COMPRESSION TYPE FITTINGS. ALL LB, JUNCTION BOX AND ENCLOSURE COVERS ASSOCIATED WITH FIRE ALARM RACEWAY SHALL BE PAINTED RED.
- ALL FIRE ALARM WIRING SHALL BE SOLID COPPER, PLENUM RATED AND INSTALLED PER APPLICABLE CODE.
- PROVIDE FIRE ALARM WIRING PER MANUFACTURER'S RECOMMENDATIONS.
- PROVIDE ALL HARDWARE, APPURTENANCES, CIRCUITRY AND PROGRAMMING PER MANUFACTURER'S SPECIFICATIONS FOR FACP.
- ALL FIRE ALARM WIRING WITHIN CABINETS AND BOXES SHALL BE TAGGED INDICATING THEIR FUNCTION.
- ALL CIRCUITS SHALL NOT EXCEED THEIR RATED AMPACITY AND NUMBER OF DEVICES PER CIRCUIT. THE CONTRACTOR SHALL MEASURE/VERIFY CIRCUIT LOADING DURING NORMAL OPERATING MODE AND ALARM CONDITION.
- PROVIDE ADDRESSABLE INTERFACE MODULES AS REQUIRED.
- EXISTING FIRE ALARM DEVICES ARE NOT SHOWN UNLESS THEY ARE PART OF NEW INSTALLATION AND SHALL REMAIN INTACT.
- PROVIDE ALL REQUIRED EXPANSION PANELS, POWER SUPPLIES, BATTERIES, LOCKABLE FUSED DISCONNECT SWITCHES, AND BRANCH CIRCUIT, ETC. FOR A COMPLETE AND OPERATIONAL FIRE ALARM SYSTEM.
- ALL PENETRATIONS THROUGH RATED WALLS SHALL BE SEALED WITH LISTED FIRE STOPPING MATERIAL TO MAINTAIN FIRE RATING.
- THE PART FIRE ALARM RISER DIAGRAM SHOWN IS AN INDICATION OF THE WORK REQUIRED AND SHALL BE USED FOR ESTIMATING PURPOSES ONLY. THE SUCCESSFUL CONTRACTOR SHALL OBTAIN A POINT-TO-POINT WIRING DIAGRAM FROM THE BUILDING FIRE ALARM VENDOR AND PERFORM ALL WORK IN ACCORDANCE WITH THAT DIAGRAM.
- THE OPERATION OF THE FIRE ALARM INSTALLATION DOES NOT CONSTITUTE AN ACCEPTANCE OF THE WORK BY THE OWNER. FINAL ACCEPTANCE IS TO BE MADE AFTER THE CONTRACTOR HAS DEMONSTRATED THAT THE WORK FULFILLS THE REQUIREMENTS OF THE PLANS AND SPECIFICATIONS AND HAS FURNISHED ALL REQUIRED CERTIFICATES OF APPROVAL FROM THE STATE AUTHORITIES, MUNICIPAL AUTHORITIES, AND UNDERWRITERS.
- CONTRACTOR SHALL BE RESPONSIBLE FOR THE AS-BUILT RISER REQUIRED TO BE PRESENTED AT THE TIME OF INSPECTION.

FIRE ALARM SYSTEM GENERAL SPECIFICATIONS:

- PRIOR TO BID, ELECTRICAL CONTRACTOR SHALL REACH OUT TO BASE BUILDING FIRE ALARM VENDOR (SIMPLEX) TO OBTAIN PRICING FOR THE EQUIPMENT AND SERVICES LISTED THAT MEET WHAT IS INDICATED ON THE DRAWINGS AND SPECIFICATIONS.
- ALL EQUIPMENT FURNISHED AND INSTALLED BY ELECTRICAL CONTRACTOR SHALL BE PURCHASED FROM THE BASE BUILDING FIRE ALARM VENDOR.
- ALL NEW FIRE ALARM DEVICES SHALL BE ADDRESSABLE TYPE AND U.L. LISTED.
- ALL NEW FIRE ALARM CIRCUITS SHALL BE INSTALLED IN CONDUIT FOR ENTIRE LENGTH OF RUN. UTILIZE EMT TYPE CONDUIT WITH COMPRESSION TYPE FITTINGS, 3/4" TRADE SIZE FOR INDOOR FIRE ALARM WIRING INSTALLATIONS. UTILIZE RIGID GALVANIZED STEEL CONDUIT WITH THREADED FITTINGS FOR OUTDOOR INSTALLATIONS.
- PROVIDE FIRE ALARM WIRING PER MANUFACTURER'S RECOMMENDATIONS.
- PROVIDE ALL HARDWARE, APPURTENANCES, CIRCUITRY AND PROGRAMMING AS REQUIRED TO SATISFY THE DESIGN INTENT SHOWN ON THE DRAWINGS.
- ALL STROBES AND COMBINATION SPEAKER STROBES SHOWN ON DRAWINGS SHALL BE OF SYNCHRONIZABLE TYPE AND SHALL SYNCHRONIZE WITH OTHER STROBES IN SAME AREA AS REQUIRED PER NFPA 72. PROVIDE ALL DEVICES, ACCESSORIES AND COMPONENTS NEEDED IN ORDER TO ACHIEVE SYNCHRONIZATION.
- ALL FIRE ALARM WIRING WITHIN CABINETS AND BOXES SHALL BE TAGGED INDICATING THEIR FUNCTION.
- ALL CIRCUITS SHALL NOT EXCEED THEIR RATED AMPACITY AND NUMBER OF DEVICES PER CIRCUIT. THE FIRE ALARM CONTRACTOR SHALL MEASURE/VERIFY CIRCUIT LOADING DURING NORMAL OPERATING MODE AND ALARM CONDITION.
- EXISTING FIRE ALARM EQUIPMENT AND DEVICES ARE NOT SHOWN UNLESS THEY ARE PART OF NEW INSTALLATION AND SHALL REMAIN INTACT.
- PROVIDE SLEEVES FOR ALL FIRE ALARM CABLE WALL AND FLOOR PENETRATIONS.
- ALL PENETRATIONS THROUGH RATED WALLS AND FLOORS SHALL BE SEALED WITH LISTED FIRE STOPPING MATERIAL TO MAINTAIN FIRE RATING. RATING OF SEAL SHALL MATCH RATING OF WALL/FLOOR. UTILIZE HILTI BRAND PRODUCTS FOR ALL FIRE RATED SEALS.
- BATTERIES CALCULATIONS SHALL BE SUBMITTED TO ENGINEER FOR REVIEW. EXISTING BATTERIES MUST BE SIZED TO HANDLE LOAD FOR ENTIRE SYSTEM FOR MINIMUM DURATION OF 24 HOURS UNDER QUIESCENT MODE AND 15 MINUTES UNDER ALARM MODE. CONTRACTOR TO PROVIDE ADDITIONAL BATTERIES WHERE REQUIRED IF EXISTING BATTERIES DO NOT PROVIDE MINIMUM RUNTIME REQUIRED.
- ELECTRICAL/FIRE ALARM CONTRACTOR SHALL BE RESPONSIBLE FOR SUBMITTING SHOP DRAWINGS THAT INCLUDE THE FOLLOWING FOR APPROVAL:
 - RISER DIAGRAM WHICH SHOWS THE QUANTITY OF DEVICES AS WELL AS THE CIRCUIT TYPE RAN BETWEEN EACH DEVICE.
 - FLOOR PLAN LAYOUT SHOWING LOCATION OF ALL DEVICES AND CONTROL EQUIPMENT.
 - BATTERY CALCULATIONS FOR EACH SYSTEM. BATTERY CALCULATIONS SHALL INCLUDE ALL NEW DEVICES AS WELL AS 20% DERATE FACTOR.
 - SEQUENCE OF OPERATION FOR NEW SYSTEM IN EITHER AN INPUT/OUTPUT MATRIX OR NARRATIVE FORM.
 - EQUIPMENT TECHNICAL DATA SHEETS FOR ALL EQUIPMENT TO BE USED.
- THE FIRE ALARM RISER DIAGRAM SHOWN ON DRAWINGS IS AN INDICATION OF THE WORK REQUIRED AND SHALL BE USED FOR ESTIMATING PURPOSES ONLY. THE SUCCESSFUL CONTRACTOR SHALL OBTAIN A POINT-TO-POINT WIRING DIAGRAM FROM THE AWARDED FIRE ALARM VENDOR AND PERFORM ALL WORK IN ACCORDANCE WITH THAT DIAGRAM.
- THE OPERATION OF THE FIRE ALARM INSTALLATION DOES NOT CONSTITUTE AN ACCEPTANCE OF THE WORK BY THE OWNER. FINAL ACCEPTANCE IS TO BE MADE AFTER THE CONTRACTOR HAS DEMONSTRATED THAT THE WORK FULFILLS THE REQUIREMENTS OF THE PLANS AND SPECIFICATIONS AND HAS FURNISHED ALL REQUIRED CERTIFICATES OF APPROVAL FROM THE STATE AUTHORITIES, MUNICIPAL AUTHORITIES AND UNDERWRITERS.
- INCLUDE ALL FEES FOR FILING APPROVALS, AND SELF CERTIFICATION OF THE FIRE ALARM INSTALLATION.
- FIRE ALARM STROBE LIGHT UNITS AND COMBINATION HORN/STROBE UNITS SHALL BE ADA APPROVED AND MOUNTED IN ACCORDANCE WITH SAME. EACH STROBE LIGHT SHALL HAVE SELECTABLE CANDELA RATINGS OF 15/30/60/75/110. CANDELA RATING SHALL BE SET TO THAT INDICATED ON DRAWINGS.
- ALL NEW SMOKE DETECTORS SHALL BE PHOTOELECTRIC TYPE TECHNOLOGY ONLY.
- AT THE COMPLETION OF THE PROJECT THE FIRE ALARM CONTRACTOR TO PROVIDE AS-BUILT DRAWINGS TO ENGINEER AND OWNER FOR RECORD. AS-BUILTS SHALL BE SUBMITTED TO ENGINEER IN CAD FORMAT AND OWNER IN PDF FORMAT. IN ADDITION TO AS-BUILT DRAWINGS, O&M MANUALS AND CUTSHEETS FOR ALL EQUIPMENT INSTALLED INCLUDING TEST AND INSPECTION REPORTS SHALL BE NEATLY ORGANIZED IN A BINDER AND PLACED ADJACENT TO MAIN FIRE ALARM CONTROL PANEL.

SYMBOL LIST

- [F] MANUAL PULL STATION
- [HD] HEAT DETECTOR
- [SD] SMOKE DETECTOR
- [SD] VERY EARLY WARNING PHOTO ELECTRIC DETECTOR FSV-951R
- [CO] CARBON MONOXIDE DETECTOR
- [FD] FLAME DETECTOR
- [DD] DUCT DETECTOR
- [K] TEST KEY SWITCH
- [MM] MONITOR MODULE
- [DM] DUAL MONITOR MODULE
- [RM] RELAY MODULE
- [ANN] REMOTE ANNUNCIATOR
- [VESDA] VESDA DETECTOR
- [FACP] FIRE ALARM CONTROL PANEL
- [BACP] BUILDING ALARM CONTROL PANEL
- [NAC] NOTIFICATION APPLIANCE CIRCUIT PANEL
- [WF] WATERFLOW SWITCH
- [TS] TAMPER SWITCH
- [ID] ADDRESSABLE INITIATING DEVICE CIRCUIT INTERFACE MODULE
- [D] FIRE ALARM MAGNETIC DOOR HOLDER
- [BC] ADDRESSABLE BUILDING CONTROL CIRCUIT INTERFACE MODULE

NOTIFICATION SYMBOL LIST

- [H/S] WALL HORN/STROBE COMBINATION
- [SP] WALL MOUNTED HORN
- [SL] WALL MOUNTED STROBE
- [SL] CEILING MOUNTED STROBE
- [SS] CEILING MOUNTED HORN/STROBE
- [SP] CEILING MOUNTED HORN
- [A] REMOTE INDICATOR

ABBREVIATION

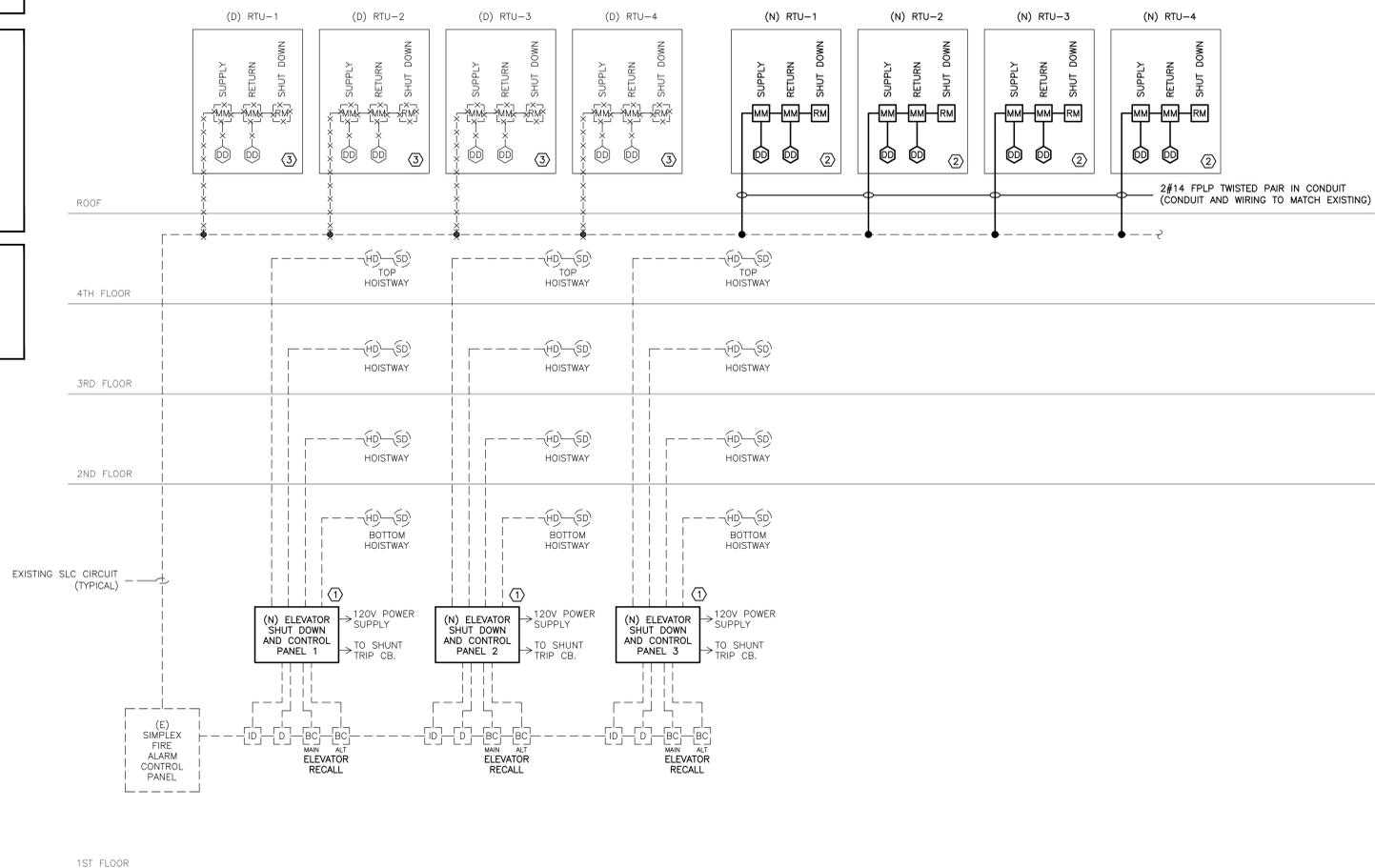
- A - AMPS
- APPROX - APPROXIMATE
- C - CONDUIT
- DWG - DRAWING
- E - EXISTING
- FACP - FIRE ALARM CONTROL PANEL
- N - NEW
- N.T.S. - NOT TO SCALE
- N.I.S. - NOT IN SCOPE
- P - POLES
- SLC - SIGNALING LINE CIRCUIT
- SPECS - SPECIFICATIONS
- TYP. - TYPICAL
- U.O.N. - UNLESS OTHERWISE NOTED
- V - VOLTS
- W - WATTS

APPLICABLE CODES:

- NEW JERSEY INTERNATIONAL BUILDING CODE 2021 EDITION
- NEW JERSEY INTERNATIONAL FIRE CODE 2015 EDITION
- NFPA 70 2020 EDITION
- NFPA 72 2019 EDITION
- NFPA 76 2016 EDITION
- NFPA 720 2015 EDITION

DRAWING LIST

SHEET No.	SHEET TITLE	ISSUE AND DATE		
		CONSTRUCTION DOCS	BID SET	ADDENDUM #4
1	FA-001	FIRE ALARM GENERAL NOTES	•	•
2	FA-101	FIRE ALARM 1ST FLOOR PLAN	•	•
3	FA-1R1	FIRE ALARM ROOF PLAN	•	•



FIRE ALARM PARTIAL RISER DIAGRAM
SCALE: NOT TO SCALE

DRAWING NOTES

- AWARDED CONTRACTOR IS RESPONSIBLE TO ENGAGE FIRE ALARM VENDOR TO SUPPORT ALL WORK ASSOCIATED WITH THE FIRE ALARM SYSTEM.
- COORDINATE WITH AWARDED FIRE ALARM EQUIPMENT VENDOR TO PROVIDE ALL REQUIRED MODULES, COMMUNICATION CARDS ETC.. FOR A COMPLETE AND OPERATIONAL SYSTEM.
- RISER DIAGRAM SHOWN ON DRAWING IS DIAGRAMMATIC. AWARDED FIRE ALARM VENDOR TO PROVIDE ACCURATE SHOP DRAWINGS SHOWING CIRCUITING REQUIREMENTS AND INTERCONNECTIVITY FOR ALL DEVICES AND COMPONENTS PART OF THE FIRE ALARM SYSTEM. ELECTRICAL CONTRACTOR TO OBTAIN COPY OF APPROVED SHOP DRAWING RISER DIAGRAM AND WORK OFF THAT IN FIELD.
- FPLP TYPE CABLE SHALL BE UL LISTED.
- INTERPOSING RELAY SHALL BE PROVIDED WHERE MISMATCH IN CONTROL VOLTAGES BETWEEN EQUIPMENT IS PRESENT

LEGEND

- (N) NEW EQUIPMENT, CONDUIT AND WIRING
- - - (E) EXISTING EQUIPMENT, CONDUIT AND WIRING TO REMAIN
- x-x-x-x- (D) EXISTING EQUIPMENT, CONDUIT AND WIRING TO BE DEMOLISHED

KEY NOTES:

- PROVIDE ADD ALTERNATE PRICING ALL OF WORK ASSOCIATED WITH ELEVATOR MODERNIZATION. EXISTING ELEVATOR EQUIPMENT AND CAR TO BE REPLACED/MODERNIZED BY OTHERS. CONTRACTOR TO DISCONNECT AND SAFE-OFF ASSOCIATED EXISTING FIRE ALARM EQUIPMENT, DEVICES, CONDUIT, AND WIRING AND RECONNECT TO NEW EQUIPMENT AS REQUIRED. PROVIDE NEW CONDUIT AND WIRING AS REQUIRED. ALL INPUTS AND OUTPUTS FROM THE NEW ELEVATOR CONTROL PANEL SHALL BE INTEGRATED TO THE EXISTING FIRE ALARM SYSTEM SHALL ENSURE ALL SYSTEMS / FUNCTIONALITY ARE FULLY INTEGRATED INTO THE NEW ELEVATOR CONTROL PANEL.
- NEW FIRE ALARM DEVICES SHOWN SHALL BE TIED INTO EXISTING FIRE ALARM CIRCUIT. DEVICES SHALL BE PROGRAMMED IN ACCORDANCE WITH THE EXISTING BUILDING SEQUENCE OF OPERATIONS. ENGAGE BASE BUILDING FIRE ALARM VENDOR FOR ALL PROGRAMMING REQUIRED TO INCORPORATE NEW DEVICES.
- EXISTING FIRE ALARM DEVICES ASSOCIATED WITH THE AHU'S SCHEDULED TO BE REPLACED SHALL BE DISCONNECTED AND REMOVED.



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AUTHORITY

GERRY B. GREEN
PLAZA ALTERATIONS

200 WEST 2ND STREET
PLAINFIELD, NJ
PROJECT NO. 158-25-001

REV	DESCRIPTION	DATE
-	Bid Set	06/16/2025
-	Addendum #4	07/30/2025

DRAWING TITLE
**FIRE ALARM
COVER SHEET**

CHECKED BY: LL DRAWN BY: CM

DRAWING No.

FA-001



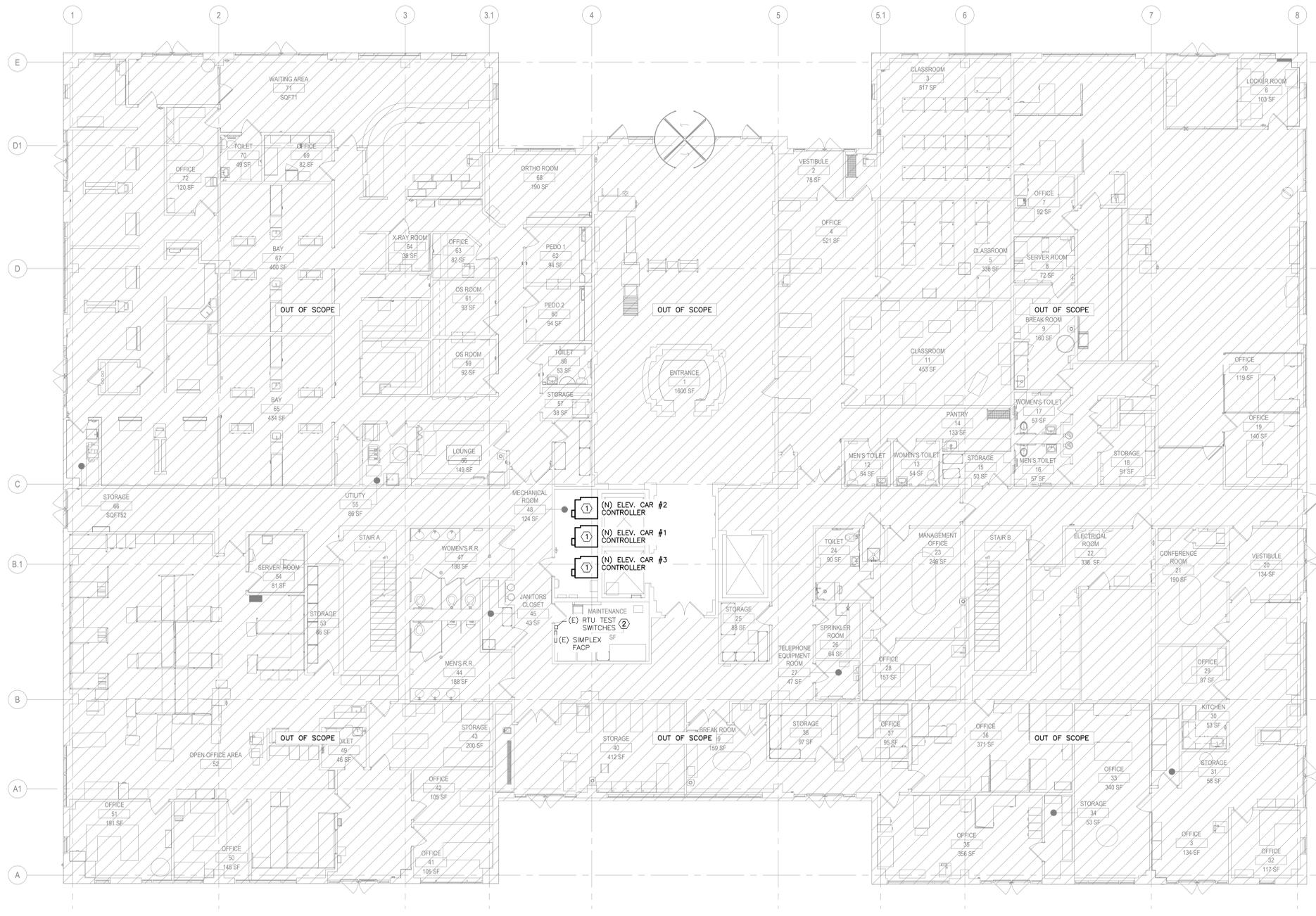
REV	DESCRIPTION	DATE
-	Bid Set	06/16/2025
-	Addendum #4	07/30/2025

DRAWING TITLE
**FIRE ALARM
1ST FLOOR PLAN**

CHECKED BY: LL DRAWN BY: CM

DRAWING No.

FA-101



- LEGEND**
- (N) NEW EQUIPMENT, CONDUIT AND WIRING
 - - - (E) EXISTING EQUIPMENT, CONDUIT AND WIRING
 - - - (R) EXISTING EQUIPMENT TO BE RELOCATED
 - - - (D) EXISTING EQUIPMENT, CONDUIT AND WIRING TO BE DEMOLISHED

- FIRE ALARM NOTES:**
- ALL FIRE ALARM CABLING SHALL BE RUN IN DEDICATED MINIMUM 3/4" EMT TYPE CONDUIT WITH COMPRESSION TYPE FITTINGS. ALL LB, JUNCTION BOXES, CONDUITS AND ENCLOSURE COVERS ASSOCIATED WITH FIRE ALARM RACEWAY SHALL BE PAINTED RED.
 - PROVIDE AND INSTALL NEW FIRE ALARM DEVICES AS SHOWN ON DRAWINGS TO PROVIDE FOR PROPER COVERAGE IN AND AROUND THE AREAS OF WORK.
 - THE INTEGRITY OF THE EXISTING FIRE ALARM SYSTEM SHALL BE MAINTAINED AT ALL TIMES DURING DEMOLITION OF EXISTING FIRE ALARM DEVICES OR INSTALLATION OF NEW FIRE ALARM DEVICES. EXISTING FIRE ALARM DEVICES WHETHER SHOWN ON PLAN OR NOT SHALL ALWAYS BE PROTECTED.
 - REFER TO DRAWING FA-001 FOR RISER DIAGRAM.

- KEY NOTES:**
- PROVIDE ADD ALTERNATE PRICING ALL OF WORK ASSOCIATED WITH ELEVATOR MODERNIZATION, EXISTING ELEVATOR EQUIPMENT AND CAR TO BE MODERNIZED BY OTHERS. CONTRACTOR TO DISCONNECT AND SAFE-OFF EXISTING FIRE ALARM EQUIPMENT, CONDUIT, AND WIRING AND RECONNECT TO NEW EQUIPMENT AS REQUIRED. EXTEND CONDUIT AND WIRING AS REQUIRED. REFER TO FA-001 FOR ADDITIONAL INFORMATION.
 - EXISTING RTU TEST SWITCHES SHALL BE TIED INTO NEW RTUS. COORDINATE INTEGRATION WITH MECHANICAL CONTRACTOR TO ENSURE FUNCTIONALITY OF SYSTEM. PROVIDE ALL NECESSARY HARDWARE AS REQUIRED.

FIRE ALARM 1ST FLOOR POWER PLAN
SCALE: 1/8" = 1'-0"

