LINN ARCHITECTS

1140 N. PROVIDENCE ROAD

MEDIA, PENNSYLVANIA 19063

TEL: 610.566.7044

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ADDENDUM NO.3

Eddystone Borough - Municipal Building Renovations

February 23, 2023

The following are revisions, clarifications, or additions to the contract drawings for the above referenced project:

1. Please see updated Demo drawing to include Removal of sidewalk in the area of new Electrical service entrance

2. The Bid due date will be extended to 2:00 PM, Friday, March 3, 2023

3. Given the longer than usual lead times for some materials the length of time to perform the work will be extended from 270 days to 330 days

4. See attached addendum 3 of electrical changes and updated drawings

5) Question: Is the security contractor responsible for electric locks? The door hardware schedule does not include electric locks.?

Answer: Yes, the basis of design for electric locks shall be PDK, electric locks shall be located as designated on the door schedule for FOB locations.

6) Question: Is there a spec for the metal lockers? There doesn't seem to be anything called out in the spec sheet & the model number listed in the plans is invalid.

Answer: Basis of design for the lockers is Penco Patriot Duty Lockers, size 24x24x72, with integral channel base, Cremone Turn Handle, Coat hook, Finished end panel, Cell phone/Key tray, color to be selected.

7) Question: As no Mechanical Roof Demo Plan is available, please identify what the existing roof material is, any penetrations in the existing roof that need to be infilled, as well as the approx. size and thickness of infill required. It is understood the existing packaged RTUs will be removed but that the supply and return mains are to remain for reuse.

Answer: The Roof plan has been updated to show Approximate locations of existing RTU locations and infill detail for all former openings.

END OF ADDENDUM

Advanced Engineering Inc.
5561 Pennell Road | Media, PA 19063
610-361-0700 | www.advenginc.com

Addendum #3

For

Renovations to Municipal Building

Eddystone, PA

Project No: 22065 Feb. 22, 2023

The following changes shall become a part of the Contract and shall supersede anything called for previously on the Contract Drawings with which they may be at variance. This Addendum shall be a part of, and attached to, the Contract Documents.

CHANGES TO DRAWINGS

Electrical

E-1 – Electrical Cover Sheet

a. Updated Drawing Index

E-2 – Electrical Floor Power Plan – New Work

a. Deleted Service Disconnect Switch on Basement Plan

b. Added Media Backboard, Quad Receptacles, and Associated Keynote on Basement Plan

c. Added Telecommunications Conduit on First Floor Plan

E-5 – Electrical Schedules

d. Revised Panels MP and PP Schedules according to single line and floor plan changes

E-6 – Electrical Single Line Diagram

a. Clarified ATS switch legs

b. Revised Wire Sizes feeding ATS Switch and Panel PP

c. Deleted Service Disconnect Switch

d. Revised Service Entrance Cable Sizes

e. Revised Panels MP and PP sizes

f. Removed Service Size from CT Cabinet

END OF ADDENDUM #3

GENERAL SPECIFICATIONS

1. THE DRAWINGS INDICATE A PERFORMANCE SPECIFICATION FOR THE FIRE ALARM SYSTEM. AWARDED CONTRACTOR IS RESPONSIBLE FOR DETAILED DESIGN AND PREPARATION OF SIGNED AND SEALED ENGINEERING DOCUMENTS FOR REVIEW/APPROVAL FROM OWNERS INSURANCE CARRIER AND LOCAL AUTHORITY HAVING JURISDICTION.
2. DRAWINGS ARE DIAGRAMMATIC: DETERMINE LOCATIONS OF SYSTEMS AND COMPONENTS IN FIELD. COORDINATE WITH ARCHITECTURAL DRAWINGS AND OTHER TRADES.
3. ADDRESS QUESTIONS REGARDING DRAWINGS TO ARCHITECT IN WRITING BEFORE AWARD OF CONTRACT. OTHERWISE, ARCHITECT'S INTERPRETATION OF MEANING AND INTENT OF DRAWINGS SHALL BE FINAL.
4. THE INTENTION IS FOR INSTALLATION OF COMPLETE AND OPERATING SYSTEMS. NOT EVERY COMPONENT REQUIRED IS SHOWN. THE CONTRACTOR SHALL INCLUDE ALL COMPONENTS NORMALLY ASSOCIATED WITH THE PARTICULAR SYSTEM. THE SYSTEM SHALL BE FULLY COMMISSIONED AND SIGNED OFF BY AN OFFICER OF THE RESPECTIVE CONTRACTOR.
5. GIVE NOTICES, FILE PLANS, OBTAIN PERMITS AND LICENSES, PAY FEES AND BACK CHARGES, AND OBTAIN NECESSARY APPROVALS FROM AUTHORITIES THAT HAVE JURISDICTION AS REQUIRED TO PERFORM WORK IN ACCORDANCE WITH ALL LEGAL REQUIREMENTS AND WITH THE DESIGN DOCUMENTS
6. PRIOR TO COMMENCING WORK, CONTRACTOR SHALL SUBMIT SHOP DRAWINGS AND EQUIPMENT DATA FOR MATERIALS AND EQUIPMENT TO THE ARCHITECT FOR REVIEW AND APPROVAL. MATERIALS AND EQUIPMENT SHALL NOT BE INSTALLED BEFORE SHOP DRAWINGS ARE REVIEWED AND APPROVED. SCHEDULE AT LEAST TEN WORKING DAYS, EXCLUSIVE OF TRANSMITTAL TIME, FOR SUBMITTAL REVIEW SHALL BE ALLOWED.
7. MATERIALS AND EQUIPMENT SHALL BE LISTED BY UNDERWRITERS LABORATORIES (UL) AND APPROVED BY ASME AND AGA FOR INTENDED SERVICE.
8. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES REQUIRED FOR SAFE EXECUTION AND COMPLETION OF WORK, AND FOR INITIATING, MAINTAINING AND SUPERVISING ALL SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTION WITH THE WORK.
9. COORDINATE WORK OF THIS SECTION WITH THAT OF OTHER SECTIONS.
10. ALL MATERIALS, EQUIPMENT AND METHOD OF INSTALLATION SHALL BE ACCORDANCE WITH THE STANDARDS, REGULATIONS, CODES, ORDINANCES, AND LAW OF LOCAL, STATE, AND FEDERAL GOVERNMENTS, AND OTHER AUTHORITIES THAT HAVE LAWFUL JURISDICTION.
11. IT SHALL BE THE RESPONSIBILITY OF THIS CONTRACTOR TO COORDINATE HIS WORK WITH THAT OF ALL OTHER TRADES, INCLUDING (BUT NOT LIMITED TO), ELECTRICAL, HVAC, SPRINKLER, FIRE PROTECTION, STRUCTURAL AND GENERAL ARCHITECTURE. OFFSETS IN PIPING AND OFFSETS AROUND OBSTRUCTIONS SHALL BE PROVIDED AT NO ADDITIONAL COST TO THE OWNER.
12. DEVIATION FROM CONTRACT DOCUMENTS, OR PROPOSED SUBSTITUTION OF MATERIALS OR EQUIPMENT FOR THOSE SPECIFIED, SHALL BE REQUESTED IN SEPARATE LETTER, WHETHER DEVIATIONS ARE DUE TO FIELD CONDITIONS, STANDARD SHOP PRACTICE OR OTHER CAUSE.
13. EACH CONTRACTOR IS RESPONSIBLE FOR THE CUTTING AND PATCHING REQUIRED FOR THE INSTALLATION OF ITS NEW WORK. CUTTING AND PATCHING SHALL BE COMPLETED IN A NEAT AND WORKMANLIKE MANNER. PATCHING MATERIALS SHALL MATCH EXISTING MATERIALS TO THE GREATEST EXTENT POSSIBLE. PROVIDE TOUCH-UP TO MATCH EXISTING SURROUNDING AREAS OF CUTTING AND PATCHING WORK.
14. CONTRACTOR SHALL COORDINATE ITS RESPECTIVE CEILING MOUNTED EQUIPMENT WITH OTHER TRADE CONTRACTORS PRIOR TO INSTALLATION TO AVOID CONFLICTS.
15. ANY DEMOLITION SHALL BE COORDINATED WITH OWNER, ARCHITECT, G.C. AND ENGINEER. ALL DEBRIS SHALL BE CLEANED UP AND REMOVED FROM THE SITE BY THE END OF THE DAY. PRIOR TO DISPOSAL OF EQUIPMENT AND MATERIALS, TURN OVER TO THE OWNER ANY REMOVED EQUIPMENT AND MATERIALS PER OWNERS REQUEST.
16. WORK SHALL BE EXECUTED IN A WORKMANLIKE MANNER AND SHALL PRESENT NEAT, RECTILINEAR APPEARANCE WHEN COMPLETED. MAINTAIN MAXIMUM HEAD ROOM AT ALL TIMES. DO NOT RUN PIPES, DUCTS, AND CONDUIT EXPOSED UNLESS SHOWN AND NOTED TO BE EXPOSED ON DRAWINGS. MATERIALS AND EQUIPMENT SHALL BE NEW AND INSTALLED ACCORDING TO MANUFACTURER'S INSTRUCTIONS AND RECOMMENDATIONS, SO THAT COMPLETED INSTALLATION SHALL OPERATE SAFELY AND EFFICIENTLY.
17. COORDINATE ROOF PENETRATIONS WITH WORK OF OTHER SECTIONS AND WITH FLASHING REQUIREMENTS.
18. ANY INTERFERENCE SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER'S REPRESENTATIVE, AND SHALL BE RESOLVED PRIOR TO THE INSTALLATION OF THE WORK INVOLVED.
19. ALL MATERIALS AND EQUIPMENT SHALL BE NEW UNLESS NOTED OTHERWISE.
20. MANUFACTURERS' MODEL NUMBERS ARE SPECIFIED SOLELY TO ESTABLISH STANDARDS OF QUALITY FOR PERFORMANCE AND MATERIALS.
21. SUBSTITUTED PRODUCTS SUBMITTED AND APPROVED FOR USE THAT NECESSITATE CHANGES TO THE WORK OF OTHER TRADES OF CONTRACT SHALL BE COORDINATED AND ARRANGED BY THE CONTRACTOR WHO SUBMITTED THE SUBSTITUTION WITHOUT ADDITIONAL COST TO THE OWNER.
22. PRODUCT INSTALLATION SHALL ADHERE TO MANUFACTURERS RECOMMENDATIONS.
23. EACH RESPECTIVE CONTRACTOR SHALL PROVIDE PROPER ACCESS TO EQUIPMENT THAT REQUIRES INSPECTION, REPLACEMENT OR REPAIR. ACCESS PANELS SHALL BE A MINIMUM OF 12" X 12" OR AS NEEDED FOR APPROPRIATE ACCESS. TO BE SUPPLIED TO GENERAL CONTRACTOR FOR INSTALLATION.
24. CONTRACTOR SHALL COORDINATE ELECTRICAL CHARACTERISTICS AND REQUIREMENTS OF ALL APPLICABLE EQUIPMENT WITH THE ELECTRICAL CONTRACTOR.
25. ALL EQUIPMENT, PIPING, INSULATION, ETC., INSTALLED IN HVAC PLENUM SPACES SHALL MEET CODE REQUIREMENTS FOR SMOKE AND COMBUSTIBILITY.
26. AS WORK PROGRESSES AND FOR DURATION OF CONTRACT, MAINTAIN COMPLETE SET OF PRINTS OF CONTRACT DRAWINGS AT JOB SITE AT ALL TIMES. RECORD WORK COMPLETED AND ALL CHANGES FROM ORIGINAL CONTRACT DRAWINGS CLEARLY AND ACCURATELY INCLUDING WORK INSTALLED AS A MODIFICATION OR ADDITION TO THE ORIGINAL DESIGN. TURN OVER ALL OPERATING MANUALS, MAINTENANCE MANUALS, AND "AS BUILT" DRAWINGS TO OWNER AT CONCLUSION OF CONSTRUCTION.
27. DO NOT SUPPORT EQUIPMENT FROM SUSPENDED CEILINGS. SUPPORT ALL EQUIPMENT AND PIPING FROM BUILDING STRUCTURE TO PROVIDE A VIBRATION FREE INSTALLATION. NOTIFY ARCHITECT AND STRUCTURAL ENGINEER OF ALL WEIGHTS AND METHODS OF SUPPORT.
28. RUN PIPING/WIRING CONCEALED, UNLESS SPECIFIED OTHERWISE, AND CLEAR OF CEILING INSERTS.
29. ANY REFERENCE TO ELECTRICAL, PLUMBING AND HVAC CONTRACTORS, NOTED ON THESE DRAWINGS OR STATED IN THE SPECIFICATIONS SHALL NOT BE MISCONSTRUED AS AN INTENTION TO DEFINE SEPARATE CONTRACTORS FOR THE RESPECTIVE WORK. THE GENERAL CONTRACTOR SHALL COORDINATE AND PROVIDE A COMPLETE BUILDING WITH COMPLETE MECHANICAL AND ELECTRICAL SYSTEMS, REGARDLESS OF ANY SPECIFICATION REFERENCES TO OTHER CONTRACTORS.
30. GUARANTEE WORK OF THIS CONTRACTOR IN WRITING FOR ONE YEAR FROM THE DATE OF OWNER'S ACCEPTANCE OF CERTIFICATE OF SUBSTANTIAL COMPLETION. PROMPTLY, REPAIR OR REPLACE DEFECTIVE MATERIALS, EQUIPMENT, WORKMANSHIP AND INSTALLATIONS THAT DEVELOP DEFECTS WITHIN THIS PERIOD. PROMPTLY AND TO OWNERS SATISFACTION, CORRECT DAMAGE CAUSED IN MAKING NECESSARY REPAIRS AND REPLACEMENTS UNDER GUARANTEED AT NO ADDITIONAL COST TO OWNER. SUBMIT GUARANTEE TO ARCHITECT BEFORE FINAL PAYMENT. STATEMENT OF GUARANTEE REQUIREMENTS SHALL NOT BE INTERRUPTED TO LIMIT OWNER'S RIGHTS UNDER LAW AND THIS CONTRACT.

CODE SUMMARY

MUNICIPALITY	EDDYSTONE BOROUGH, PA
USE AND OCC. CLASSIFICATION	B (BUSINESS)
APPLICABLE CODES	BUILDING CODE: 2018 INTERNATIONAL BUILDING CODE MECHANICAL CODE: 2018 INTERNATIONAL MECHANICAL CODE PLUMBING CODE: 2018 INTERNATIONAL PLUMBING CODE FUEL GAS CODE: 2018 INTERNATIONAL FUEL GAS CODE ELECTRICAL CODE: 2017 NATIONAL ELECTRICAL CODE FIRE CODE: 2018 INTERNATIONAL FIRE CODE ENERGY CODE: 2018 INTERNATIONAL ENERGY CONSERVATION CODE

FIRE ALARM SYSTEM GENERAL NOTES

PROVIDE FIRE ALARM SYSTEM TO ACCOMPLISH THE PARAMETERS BELOW:

1. THE DRAWINGS INDICATE A PERFORMANCE SPECIFICATION FOR THE FIRE ALARM SYSTEM. CONTRACTOR IS RESPONSIBLE FOR DETAILED DESIGN AND PREPARATION OF SIGNED AND SEALED ENGINEERING DOCUMENTS FOR REVIEW/APPROVAL FROM OWNERS INSURANCE CARRIER AND LOCAL AUTHORITY HAVING JURISDICTION. ALL MODULES, INTERFACING, SIGNALS, SIGNAL LIGHTS AND PROGRAMMING SHALL BE INCLUDED IN THE FIRE ALARM CONTRACTORS SCOPE OF WORK. SYSTEM SHALL BE IN COMPLIANCE WITH NFPA 72, ICC CODES, NATIONAL ELECTRIC CODE, NFPA 101, 90A, ADA, AND THE AUTHORITY HAVING JURISDICTION (AHJ). REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION

MOUNTING HEIGHTS

- PER N.F.P.A. & A.D.A. CODE REQUIREMENTS — WALL-MOUNTED CLOCKS, PROGRAM BELLS, FIRE ALARM AUDIBLE AND VISUAL DEVICES (OR AS SHOWN ON ARCHITECTURAL DETAILS)
- 10'-0" — EXIT SIGNS, BATTERY UNITS AND EMERGENCY REMOTE HEADS (OR 6" BELOW FINISHED CEILING TO TOP OF FIXTURE)
- CENTERED ABOVE DOOR OR WINDOW OPENING — WARNING AND SIGNALING FIXTURES/SIGNS.
- 6'-6" — TOP OF FLUSH AND SURFACE MOUNTED ELECTRICAL PANELBOARDS, TELEPHONE CABINETS, OR FIRE ALARM CABINETS EXCLUDING MULTI-FAMILY RESIDENTIAL DWELLING UNITS.
- 6'-3" — TOP OF BACK-MOUNTED WALL EXIT FIXTURES (NOT MOUNTED ABOVE DOORS)
- 6'-0" — TOP OF HIGHEST ELECTRICAL SAFETY DISCONNECT SWITCHES, MAGNETIC STARTERS, CONTACTORS.
- 4'-6" — WALL MOUNTED TELEPHONES AND PAY STATIONS, THERMOSTATS (3'-6" AT HANDICAP LOCATIONS).
- 3'-10" — MULTI-FAMILY DWELLING UNITS: INSTALL ELECTRICAL PANELS SUCH THAT HIGHEST BREAKER IS 46" AFF.
- 3'-6" — WALL MOUNTED ELECTRICAL LIGHT SWITCHES, MANUAL MOTOR STARTERS, FIRE ALARM PULL STATIONS, AND WALL MOUNTED WIREMOLD. OBTAIN MOUNTING HEIGHT APPROVAL FROM BUILDING INSPECTOR PRIOR TO ROUGHING IN LIGHT SWITCHES.
- 3'-0" — ADA UNIT INTERCOM. CENTER OF "CALL" BUTTON.
- 2'-0" — ELECTRICAL RECEPTACLE WITHIN ELECTRICAL/MECHANICAL SPACES AND ELEVATOR ROOMS.
- 1'-6" — ELECTRICAL RECEPTACLES, TELEPHONE OUTLETS, COMPUTER OUTLETS UNLESS IN WIREMOLD, OR OTHERWISE NOTED.
- 0'-8" — BOTTOM OF EXIT SIGN ADJACENT TO DOOR (WHERE REQUIRED)
- FINISHED FLOOR

NOTES:
1. MOUNTING HEIGHTS TO CENTER OF OUTLETS UNLESS OTHERWISE NOTED. IN MASONRY WALL CONSTRUCTION THE ABOVE MOUNTING HEIGHTS SHALL BE USED FOR REFERENCE TO NEAREST BLOCK OR BRICK COURSING.
2. THE ABOVE MOUNTING HEIGHTS SHALL BE ADHERED TO UNLESS SPECIFICALLY NOTED OR DETAILED OTHERWISE ON THE DRAWINGS OR SPECIFICATIONS.

ABBREVIATIONS

A	AMPS	H.V.	HIGH VOLTAGE (PRIMARY)
ABV.	ABOVE	HWH	HOT WATER HEATER
A.F.F.	ABOVE FINISHED FLOOR	IG	ISOLATED GROUND
A.F.G.	ABOVE FINISHED GRADE	J.B.	JUNCTION BOX
A.H.U.	AIR HANDLER UNIT	KVA	KILOVOLT-AMPERE
C/B	CIRCUIT BREAKER	KW	KILOWATT
C.H.	CABINET HEATER	LTG.	LIGHTING
CLG.	CEILING	L.V.	LOW VOLTAGE
CONC.	CONCRETE	M.C.	MECHANICAL CONTRACTOR
COND.	CONDENSER	MCB	MAIN CIRCUIT BREAKER
CONT'R.	CONTRACTOR	MECH.	MECHANICAL
D.E.	DUAL ELEMENT (TIME DELAY)	MLO	MAIN LUGS ONLY
DNLT.	DOWNLIGHT	MOD	MOTOR OPERATED DOOR
DWG	DRAWING	MT.	MOUNT
E.B.H.	ELECTRIC BASEBOARD HEATER	MTD.	MOUNTED
E.C.	ELECTRICAL CONTRACTOR	MTG.	MOUNTING
E.F.	EXHAUST FAN	N.L.	NIGHT LIGHTING
ELECT.	ELECTRIC	P.C.	PLUMBING CONTRACTOR
EM	INDICATES LIGHT FIXTURE OR DEVICE WIRED TO EMERGENCY CIRCUIT	PLG	PLUMBING
		P.S.	PAY STATION
E.P.O.	EMERGENCY POWER-OFF PUSHBUTTON SWITCH	R.T.U.	ROOF TOP UNIT
EUH	ELECTRIC UNIT HEATER	SLD	SINGLE LINE DIAGRAM
EWC	ELECTRIC WATER COOLER	SP/ST	SINGLE POLE/SINGLE THROW
EWH	ELECTRIC WALL HEATER	S/S	SAFETY SWITCH (DISCONNECT SWITCH)
EXIST.	EXISTING		
FACP	FIRE ALARM CONTROL PANEL	SW.	SWITCH
FATB	FIRE ALARM TERMINAL BOX	T/C	TIME CLOCK
FSD	FIRE SMOKE DAMPER	UH	UNIT HEATER
FU.	FUSE (OR FUSED)	U.O.N.	UNLESS OTHERWISE NOTED
G.C.	GENERAL CONTRACTOR	V	VOLTS
GEN.	GENERAL	VAV	VARIABLE AIR VOLUME
G.F.I.	GROUND FAULT INTERRUPT	WP	WEATHERPROOF
GND.	GROUND	XFMR.	TRANSFORMER
HP	HORSE POWER	(E)	EXISTING TO REMAIN
HTR.	HEATER	(R)	REMOVE EXISTING
HVAC	HEATING, VENTILATING, & AIR CONDITIONING	(RL)	RELOCATED EXISTING

BRANCH & FEEDER CIRCUIT SCHEDULE

	COPPER (CU)			ALUMINUM (AL)			REMARKS
WIRE ID	# OF WIRES	GROUND	CONDUIT	# OF WIRES	GROUND	CONDUIT	
20W2	2# 12	1# 12 G.	3/4"C	2# 10	1# 12 G.	3/4"C	
30W2	2# 10	1# 10 G.	3/4"C	2# 8	1# 8 G.	3/4"C	
35W2	2# 10	1# 10 G.	3/4"C	2# 8	1# 8 G.	3/4"C	
40W2	2# 8	1# 10 G.	3/4"C	2# 8	1# 8 G.	3/4"C	
45W2	2# 8	1# 10 G.	3/4"C	2# 6	1# 8 G.	3/4"C	
50W2	2# 8	1# 10 G.	3/4"C	2# 6	1# 8 G.	3/4"C	
60W2	2# 6	1# 10 G.	3/4"C	2# 4	1# 8 G.	3/4"C	
70W2	2# 4	1# 8 G.	1 "C	2# 2	1# 6 G.	1"C	
80W2	2# 4	1# 8 G.	1 "C	2# 2	1# 6 G.	1"C	
90W2	2# 2	1# 8 G.	1 1/4 "C	2# 2	1# 6 G.	1 1/4 "C	
100W2	2# 2	1# 8 G.	1 1/4 "C	2# 1	1# 6 G.	1 1/4 "C	
20W3	3# 12	1# 12 G.	3/4"C	3# 10	1# 10 G.	3/4"C	
25W3	3# 12	1# 10 G.	3/4"C	3# 10	1# 8 G.	3/4"C	
30W3	3# 10	1# 10 G.	3/4"C	3# 8	1# 8 G.	3/4"C	
40W3	3# 8	1# 10 G.	3/4"C	3# 8	1# 8 G.	3/4"C	
50W3	3# 8	1# 10 G.	3/4"C	3# 6	1# 8 G.	3/4"C	
60W3	3# 6	1# 10 G.	3/4"C	3# 4	1# 8 G.	3/4"C	
70W3	3# 4	1# 8 G.	1 "C	3# 2	1# 6 G.	1"C	
80W3	3# 4	1# 8 G.	1 "C	3# 2	1# 6 G.	1"C	
90W3	3# 2	1# 8 G.	1 "C	3# 2	1# 6 G.	1"C	
100W3	3# 2	1# 8 G.	1 "C	3# 1	1# 6 G.	1 1/4"C	
110W3	3# 2	1# 8 G.	1"C	3# 1/0	1# 6 G.	1 1/4 "C	
125W3	3# 1	1# 6 G.	1 1/4"C	3# 2/0	1# 6 G.	1 1/2"C	
150W3	3# 1/0	1# 6 G.	1 1/4"C	3# 3/0	1# 6 G.	1 1/2"C	
175W3	3# 2/0	1# 6 G.	1 1/2"C	3# 4/0	1# 4 G.	2"C	
200W3	3# 3/0	1# 6 G.	1 1/2"C	3-250KCMIL	1# 4 G.	2"C	
225W3	3# 4/0	1# 4 G.	2"C	3-300 KCMIL	1# 4 G.	2"C	
250W3	3-250 KCMIL	1# 4 G.	2"C	3-350 KCMIL	1# 4 G.	2 1/2"C	
300W3	3-350 KCMIL	1# 4 G.	2 1/2"C	3-500 KCMIL	1# 2 G.	2 1/2"C	
350W3	3-500 KCMIL	1# 3 G.	2 1/2"C	(2) 3#4/0	(2) 1# 2 G.	(2) 2"C	
400W3	3-600 KCMIL	1# 3 G.	3"C	(2) 3-250 KCMIL	(2) 1# 1 G.	2"C	
60W4	4# 6	1# 10 G.	3/4"C	4# 4	1# 8 G.	1"C	
75W4	4# 4	1# 8 G.	1"C	4# 2	1# 6 G.	1 1/4 "C	
100W4	4# 2	1# 8 G.	1 1/4 "C	4# 1	1# 6 G.	1 1/4 "C	
125W4	4# 1	1# 6 G.	1 1/4"C	4# 2/0	1# 4 G.	2"C	
150W4	4# 1/0	1# 6 G.	1 1/2"C	4# 3/0	1# 4 G.	2"C	
175W4	4# 2/0	1# 6 G.	2"C	4# 4/0	1# 4 G.	2"C	
200W4	4# 3/0	1# 6 G.	2"C	4-250KCMIL	1# 4 G.	2 1/2"C	

	COPPER (CU)			ALUMINUM (AL)		
WIRE ID	# OF WIRES	GROUND	CONDUIT	# OF WIRES	GROUND	CONDUIT
225W4	4# 4/0	1# 4 G.	2"C	4-300 KCMIL	1# 2 G.	2 1/2"C
250W4	4-250 KCMIL	1# 4 G.	2 1/2"C	4-350 KCMIL	1# 2 G.	2 1/2"C
300W4	4-350 KCMIL	1# 4 G.	2 1/2"C	4-500 KCMIL	1# 2 G.	3"C
350W4	4-500 KCMIL	1# 3 G.	3"C	(2) 4#4/0	(2) 1# 1 G.	(2) 2"C
400W4	4-600 KCMIL	1# 3 G.	3 1/2"C	(2) 4-250 KCMIL	(2) 1# 1 G.	(2) 2 1/2"C
450W4	(2) 4#4/0	(2) 1# 2 G.	(2) 2"C	(2) 4-300 KCMIL	(2) 1# 1/0 G.	(2) 2 1/2"C
500W4	(2) 4-250 KCMIL	(2) 1# 2 G.	(2) 2 1/2"C	(2) 4-350 KCMIL	(2) 1# 1/0 G.	(2) 2 1/2"C
600W4	(2) 4-350 KCMIL	(2) 1# 1 G.	(2) 3"C	(2) 4-500 KCMIL	(2) 1# 2/0 G.	(2) 3"C
800W4	(2) 4-600 KCMIL	(2) 1# 1/0 G.	(2) 4"C	(3) 4-400 KCMIL	(3) 1# 3/0 G.	(3) 3 1/2"C
1000W4	(3) 4-400 KCMIL	(3) 1# 2/0 G.	(3) 3"C	(3) 4-600 KCMIL	(3) 1# 4/0 G.	(3) 3 1/2"C
1200W4	(3) 4-600 KCMIL	(3) 1# 3/0 G.	(3) 3 1/2"C	(4) 4-500 KCMIL	(4) 250 KCMIL	(4) 3"C
100NW4	5# 1 (2@N)	1# 6 G.	1 1/4 "C	5# 2/0 (2@N)	1# 4 G.	2"C
125NW4	5# 1/0 (2@N)	1# 6 G.	1 1/4"C	5# 3/0 (2@N)	1# 4 G.	2"C
150NW4	5# 3/0 (2@N)	1# 6 G.	1 1/2"C	5# 4/0 (2@N)	1# 4 G.	2 1/2"C
200NW4	5-250KCMIL (2@N)	1# 6 G.	2"C	5-350KCMIL (2@N)	1# 2 G.	3"C
225NW4	5-300KCMIL (2@N)	1# 4 G.	2"C	5-400KCMIL (2@N)	1# 2 G.	3"C
250NW4	5-350KCMIL (2@N)	1# 4 G.	2 1/2"C	5-500KCMIL (2@N)	1# 2 G.	2 1/2"C
250XW4	4-250 KCMIL	1# 2 G.	2 1/2"C	4-350 KCMIL	1# 1/0 G.	3"C
300XW4	4-350 KCMIL	1# 2 G.	3 1/2"C	4-500 KCMIL	1# 1/0 G.	3"C
350XW4	4-500 KCMIL	1# 1/0 G.	3"C	(2) 4#4/0	(2) 1# 3/0 G.	(2) 2"C
400XW4	4-600 KCMIL	1# 1/0 G.	3 1/2"C	(2) 4-250 KCMIL	(2) 1# 3/0 G.	(2) 3"C
450XW4	(2) 4#4/0	(2) 1# 2/0 G.	(2) 2"C	(2) 4-300 KCMIL	(2) 1# 3/0 G.	(2) 2 1/2"C
600XW4	(2) 4-350 KCMIL	(2) 1# 2/0 G.	(2) 3"C	(2) 4-500 KCMIL	(2) 1# 4/0 G.	(3) 3 1/2"C
750XW4	(2) 4-500 KCMIL	(2) 1# 3/0 G.	(2) 3 1/2"C	(3) 4-400 KCMIL	(3) 250 KCMIL	(3) 3"C
800XW4	(2) 4-600 KCMIL	(2) 1# 3/0 G.	(2) 3 1/2"C	(3) 4-400 KCMIL	(3) 250 KCMIL	(3) 3"C
1000XW4	(3) 4-400 KCMIL	(3) 1# 3/0 G.	(3) 3"C	(3) 4-600 KCMIL	(3) 250 KCMIL	(3) 3 1/2"C
1200XW4	(3) 4-600 KCMIL	(3) 1# 3/0 G.	(3) 3 1/2"C	(4) 4-500 KCMIL	(4) 250 KCMIL	(4) 3 1/2"C
1600XW4	(4) 4-600 KCMIL	(4) 1# 3/0 G.	(4) 3 1/2"C	(5) 4-600 KCMIL	(5) 250 KCMIL	(5) 3 1/2"C
2000XW4	(5) 4-600 KCMIL	(5) 1# 3/0 G.	(5) 3 1/2"C	(6) 4-600 KCMIL	(6) 250 KCMIL	(6) 3 1/2"C

NOTE: (#) DENOTES NUMBER OF SETS OF WIRES & CONDUITS

###W#
- DENOTES NUMBER OF PHASE/LINE & NEUTRAL CONDUCTORS WIRE,
- X DENOTES SEPARATELY DERIVED SYSTEMS, SERVICES AND TRANSFORMER SECONDARIES
- CONDUCTORS AMPERE VALUE

NOTES

THIS CHART IS BASED UPON INSULATED WIRE IN CONDUIT- NEC TABLE 310.15(B)(16). 60 DEG COLUMN #1 AND LESS 75 DEG COLUMN #1/0 AND GREATER

1. ROMEX IS ACCEPTABLE FOR APARTMENT UNIT BRANCH CIRCUIT WIRING.
2. DISTRIBUTION FOR HIGH HARMONIC CONTENT SERVICE. DE-RATED FEEDERS WITH OVERSIZED NEUTRALS

ELECTRICAL SYMBOLS

- 2'X4' RECESSED LED FIXTURE, "A" INDICATES TYPE, "2" INDICATES CIRCUIT BREAKER POSITION, "a" INDICATES SWITCHING
- 2'X4' RECESSED LED FIXTURE CONNECTED TO EMERGENCY (EM) AND/OR NIGHT LIGHT (NL) CIRCUIT, "A" INDICATES TYPE, "2" INDICATES CIRCUIT BREAKER POSITION, "a" INDICATES SWITCHING
- 2'X2' RECESSED LED FIXTURE, "A" INDICATES TYPE, "2" INDICATES CIRCUIT BREAKER POSITION, "a" INDICATES SWITCHING
- 2'X2' RECESSED LED FIXTURE CONNECTED TO EMERGENCY (EM) AND/OR NIGHT LIGHT (NL) CIRCUIT, "A" INDICATES TYPE, "2" INDICATES CIRCUIT BREAKER POSITION, "a" INDICATES SWITCHING
- PENDANT MOUNTED LIGHT FIXTURE, "A" INDICATES TYPE, "2" INDICATES CIRCUIT BREAKER POSITION, "a" INDICATES SWITCHING
- RECESSED DOWNLIGHT, "A" INDICATES TYPE, "2" INDICATES CIRCUIT BREAKER POSITION, "a" INDICATES SWITCHING
- RECESSED WALLWASHER DOWNLIGHT, "A" INDICATES TYPE, "2" INDICATES CIRCUIT BREAKER POSITION, "a" INDICATES SWITCHING
- WALL MOUNTED LIGHT FIXTURE, "A" INDICATES TYPE, "2" INDICATES CIRCUIT BREAKER POSITION, "a" INDICATES SWITCH CONTROL
- CEILING OR WALL MOUNTED LINEAR LED LIGHT FIXTURE, "A" INDICATES TYPE, "2" INDICATES CIRCUIT BREAKER POSITION, "a" INDICATES SWITCH CONTROL
- CEILING OR WALL MOUNTED INDUSTRIAL LED STRIP LIGHT FIXTURE, "A" INDICATES TYPE, "2" INDICATES CIRCUIT BREAKER POSITION, "a" INDICATES SWITCH CONTROL
- CEILING OR WALL MOUNTED TRACK LIGHT FIXTURE, "A" INDICATES TYPE, "2" INDICATES CIRCUIT BREAKER POSITION, "a" INDICATES SWITCHING
- POLE MOUNTED LIGHT FIXTURE. "A" INDICATES TYPE, "2" INDICATES CIRCUIT BREAKER POSITION
- CEILING OR WALL MOUNTED SINGLE FACE EXIT SIGN, "X" INDICATES TYPE, ARROWS AS INDICATED ON PLANS. CONNECT TO LOCAL LIGHTING BRANCH CIRCUIT AHEAD OF ALL SWITCHING UNLESS OTHERWISE NOTED
- CEILING OR WALL MOUNTED DOUBLE FACE EXIT SIGN, "X" INDICATES TYPE, ARROWS AS INDICATED ON PLANS. CONNECT TO LOCAL LIGHTING BRANCH CIRCUIT AHEAD OF ALL SWITCHING UNLESS OTHERWISE NOTED
- CEILING OR WALL MOUNTED EXIT SIGN WITH INTEGRAL EMERGENCY LIGHT HEADS, "X" INDICATES TYPE, ARROWS AS INDICATED ON PLANS. CONNECT TO LOCAL LIGHTING BRANCH CIRCUIT AHEAD OF ALL SWITCHING UNLESS OTHERWISE NOTED
- EM — WALL MOUNTED EMERGENCY BATTERY PACK WITH (2)-LIGHT HEADS, "EM" INDICATES TYPE. CONNECT TO LOCAL LIGHTING BRANCH CIRCUIT AHEAD OF ALL SWITCHING UNLESS OTHERWISE NOTED
- WALL OR CEILING MOUNTED SINGLE HEAD OR TWIN REMOTE EMERGENCY LIGHT "EM" INDICATES TYPE, "WP" INDICATES WEATHERPROOF.
- CEILING MOUNTED PADDLE FAN, "A" INDICATES TYPE, "2" INDICATES CIRCUIT BREAKER POSITION
- S — FIRE ALARM SMOKE DETECTOR
- FIRE ALARM DUCT SMOKE DETECTOR
- H — FIRE ALARM HEAT DETECTOR
- AM — FIRE ALARM ADDRESSABLE MODULE
- CEILING MOUNTED 125V., COMBINATION SMOKE DETECTOR/HORN-STROBE
- CO — CEILING MOUNTED 125V., CARBON MONOXIDE DETECTOR
- FIRE ALARM SPEAKER
- F — FIRE ALARM PULL STATION
- FIRE ALARM STROBE
- FIRE ALARM HORN/STROBE
- SECURITY CAMERA
- S — 125V., 20A TOGGLE SWITCH MOUNTED AT 42" AFF UNLESS OTHERWISE NOTED.
- S_D — 125V., 20A DIMMER SWITCH MOUNTED AT 42" AFF UNLESS OTHERWISE NOTED.
- S_J — 125V., 20A DOOR JAMB SWITCH MOUNTED AT 42" AFF UNLESS OTHERWISE NOTED.
- S_F — 125V., 20A CEILING FAN SPEED SWITCH MOUNTED AT 42" AFF UNLESS OTHERWISE NOTED.
- S_3 — 125V., 20A 3-WAY TOGGLE SWITCH MOUNTED AT 42" AFF UNLESS OTHERWISE NOTED.
- S_T — 125V., 20A BATHROOM EXHAUST FAN TIMER SWITCH MOUNTED AT 42" AFF UNLESS OTHERWISE NOTED.
- S_{OS} — WALL MOUNTED DUAL TECHNOLOGY OCCUPANCY SENSOR
- OS — CEILING MOUNTED DUAL TECHNOLOGY OCCUPANCY SENSOR
- 125V., 20A SIMPLEX RECEPTACLE MOUNTED AT 18" AFF UNLESS OTHERWISE NOTED
- 125V., 20A DUPLEX RECEPTACLE MOUNTED AT 18" AFF UNLESS OTHERWISE NOTED. "+" INDICATES MOUNTED AT 42" AFF OR 6" ABOVE COUNTER OR BACKSPLASH
- WP — 125V., 20A DUPLEX GFCI RECEPTACLE MOUNTED AT 18" AFF UNLESS OTHERWISE NOTED. "+" INDICATES MOUNTED AT 42" AFF OR 6" ABOVE COUNTER OR BACKSPLASH. "WP" INDICATES WEATHERPROOF ENCLOSURE
- CEILING MOUNTED 125V., 20A DUPLEX RECEPTACLE
- CEILING MOUNTED 125V., 20A DOUBLE DUPLEX RECEPTACLE.
- 125V., 20A DOUBLE DUPLEX RECEPTACLE MOUNTED AT 18" AFF UNLESS OTHERWISE NOTED.
- 125V., 20A DUPLEX RECEPTACLE WITH BOTTOM RECEPTACLE CONNECTED TO WALL SWITCH, MOUNTED AT 18" AFF UNLESS OTHERWISE NOTED. "+" INDICATES MOUNTED AT 42" AFF OR 6" ABOVE COUNTER
- LOCKING OR NONLOCKING NEMA RECEPTACLE AS NOTED
- COMBINATION POWER/DATA FLOOR FLUSH MOUNTED BOX OR POKE-THRU DEVICE, REFER TO PLANS FOR TYPE AND DEVICE CONFIGURATION
- SURFACE MOUNTED PLUGMOLD, TYPE AND DEVICES AS INDICATED ON PLANS
- JB — CEILING MOUNTED JUNCTION BOX
- J — WALL MOUNTED JUNCTION BOX
- J — JUNCTION OR PULL BOX. SIZE AS INDICATED ON PLAN
- S_M — 125V., 20A MOTOR RATED SWITCH MOUNTED AT 42" AFF UNLESS OTHERWISE NOTED.
- DISCONNECT SWITCH, SIZE AS INDICATED ON PLAN
- FUSED DISCONNECT SWITCH, SIZE AS INDICATED ON PLAN
- MOTOR STARTER, SIZE AS INDICATED ON PLAN
- COMBINATION MOTOR STARTER AND DISCONNECT SWITCH, SIZE AS INDICATED ON PLAN
- EC — ELEVATOR CONTROL SWITCH (EC) - 'EC' SHALL BE EATON "ES" SERIES OR EQUAL WITH THE FOLLOWING:
  - SHUNT TRIP INTERFACE WITH FIRE ALARM SYSTEM
  - PILOT LIGHT(PER NFPA 72 & ASME A17.1)
  - CONTROL POWER(PER NFPA 72 & ASME A17.1)
  - MONITORING(PER NFPA 72 & ASME A17.1)
  - AUXILIARY CONTACTS
- PANEL "P1" — PANELBOARD, SIZE, TYPE AND RATING AS INDICATED ON PLAN
- M — METER AND SOCKET
- TVSS — TRANSIENT VOLTAGE SURGE SUPPRESSION SYSTEM
- 5 — MOTOR OR MOTORIZED EQUIPMENT. NUMBER INDICATES HORSEPOWER (HP)
- TV — RECESSED CABLE TV OUTLET. COORDINATE MOUNTING HEIGHT WITH ARCHITECTURAL/ID ELEVATIONS. CHIEF PAC526F OR EQUAL.
- VOICE COMMUNICATION OUTLET
- DATA COMMUNICATION OUTLET
- VOICE & DATA COMMUNICATION OUTLET
- WAP — WIRELESS ACCESS POINT
- POWER OPERATED DOOR SYSTEM
- 2#12 & 1#12GND. IN 3/4" CONDUIT CONCEALED IN WALL OR CEILING UNLESS OTHERWISE NOTED
- 2#12 & 1#12GND. IN 3/4" CONDUIT RUN IN OR UNDER CONCRETE SLAB UNLESS OTHERWISE NOTED
- 2#12 & 1#12GND. IN 3/4" CONDUIT RUN EXPOSED UNLESS OTHERWISE NOTED
- P1-3 — 2#12 & 1#12GND. IN 3/4" CONDUIT, UNLESS OTHERWISE NOTED, HOME RUN TO PANEL, "P1" INDICATES PANEL NAME, "3" INDICATES CIRCUIT BREAKER POSITION
- PANELBOARD, SURFACE MOUNTED
- PANELBOARD, FLUSH MOUNTED
- T — TRANSFORMER, SIZE, TYPE AND RATING AS INDICATED ON PLAN
- COPPER GROUND BAR, SIZE AS INDICATED ON PLAN
- G — COPPER GROUND CONDUCTOR, SIZE AS INDICATED ON PLAN
- 1 — PLAN NOTE CALLOUT
- NEW CONNECTION TO EXISTING
- TERMINATION OF DEMOLITION
- MOLDED CASE CIRCUIT BREAKER
- DRAWOUT CIRCUIT BREAKER
- DRAWOUT CIRCUIT BREAKER MEDIUM VOLTAGE
- FUSED SWITCH
- FUSE
- CONTACT
- POWER TRANSFORMER W/ VOLTAGES AS INDICATED
- POTENTIAL TRANSFORMER
- CURRENT TRANSFORMER
- N E L — AUTOMATIC TRANSFER SWITCH
- GROUND CONNECTION
- THERMAL OVERLOADS
- K — KEY INTERLOCK SWITCH
- E — ELECTRIC INTERLOCK SWITCH
- IC — INTERCOM STATION
- B — DOOR BELL/INTERCOM STATION
- FF — FURNITURE FEED
- CR — CARD READER
- PP — PUSH PLATE FOR HANDICAP ASSIST DOORS
- DS — ELECTRIC DOOR STRIKE
- CX — DELAYED EGRESS DOOR HARDWARE
- KP — KEYPAD
- IC — INTERCOM
- POWER OPERATED DOOR SYSTEM

SWITCHES, COVERPLATES AND RECEPTACLES BASIS OF DESIGN:
COMMERCIAL - DEVICES SHALL BE WHITE WITH A METAL STAINLESS STEEL COVERPLATE
RESIDENTIAL-DEVICE COLOR BY ARCHITECT WITH A MATCHING SCREWLESS COVERPLATE

ELECTRICAL DEMOLITION NOTES

1. PROJECT CONDITIONS
   - 1.1. THE CONTRACTOR SHALL COMPLETELY FAMILIARIZE HIMSELF WITH ALL EXISTING BUILDING AND SITE CONDITIONS AND LIMITATIONS WHICH MAY HAVE A BEARING ON THE OPERATIONS HEREIN SPECIFIED, AND SHALL INCLUDE ALL WORK REQUIRED TO COMPLETE THE PROJECT AS SHOWN ON THE DRAWINGS. NO EXTRA COMPENSATION WILL BE ALLOWED FOR UNFORESEEN CONDITIONS THAT CAN BE DETERMINED FROM A CAREFUL EXAMINATION OF THE SITE, BUILDING AND DRAWINGS.
   - 1.2. ITEMS OF VALUE WHICH ARE NOT INDICATED TO BE RETURNED TO THE OWNER, SHALL BECOME THE PROPERTY OF THE CONTRACTOR. STORAGE OR SALE OF ITEMS ON THE PROJECT SITE IS PROHIBITED.
   - 1.3. PROTECTION: ENSURE THE SAFE PASSAGE OF PERSONS IN AND AROUND THE BUILDING DURING DEMOLITION. PREVENT INJURY TO PERSONS AND DAMAGE TO PROPERTY. PROVIDE ADEQUATE SHORING AND BRACING TO PREVENT COLLAPSE. IMMEDIATELY REPAIR DAMAGED PROPERTY TO THE CONDITION BEFORE BEING DAMAGED. TAKE EFFECTIVE MEASURES TO PREVENT WINDBLOWN DUST.
   - 1.4. UTILITIES: MAINTAIN ALL UTILITIES EXCEPT THOSE REQUIRING REMOVAL OR RELOCATION. KEEP UTILITIES IN SERVICE AND PROTECT FROM DAMAGE. DO NOT INTERRUPT UTILITIES SERVING USED AREAS WITHOUT FIRST OBTAINING PERMISSION FROM OWNER.
2. REGULATION REQUIREMENTS
   - 2.1. STRICTLY COMPLY WITH APPLICABLE CODES, REGULATIONS AND REQUIREMENTS OR AUTHORITY HAVING JURISDICTION.
3. HANDLING OF MATERIALS
   - 3.1. REMOVE DEBRIS FROM THE SITE AS IT ACCUMULATES. DO NOT STORE, SELL, BURN, OR OTHERWISE DISPOSE OF DEBRIS ON SITE. REMOVE ALL MATERIAL IN SUCH MANNER AS TO PREVENT SPILLAGE.
4. TRANSFER OF RESPONSIBILITY AND DISPOSITION OF MATERIALS
   - 4.1. UPON RECEIPT OF NOTICE TO PROCEED WITH THE WORK, THE TITLE TO ALL MATERIALS FOR DEMOLITION SHALL BE VESTED. THE CONTRACTOR WHEREUPON THE OWNER WILL NOT BE RESPONSIBLE FOR THE CONDITION, LOSS, OR DAMAGE TO SAID PROPERTY. ALL SUCH ITEMS SHALL BE REMOVED FROM THE OWNER'S PROPERTY.
5. DISPOSAL OF DEMOLISHED MATERIALS
   - 5.1. REMOVE UNUSED FIXTURES AND ALL SERVICING EQUIPMENT. TRANSPORT AND LEGALLY DISPOSE OF MATERIALS OFF SITE.
   - 5.2. ANY DEMOLITION SHALL BE COORDINATED WITH OWNER, ENGINEER, AND GENERAL CONTRACTOR. ALL DEBRIS SHALL BE CLEANED UP AND REMOVED FROM THE SITE BY THE END OF EVERY WORK DAY. PRIOR TO DISPOSAL OF EQUIPMENT AND MATERIALS, TURN OVER TO OWNER ANY REMOVED EQUIPMENT AND MATERIALS PER OWNERS REQUEST.
6. CLEAN UP AND REPAIR
   - 6.1. UPON COMPLETION OF DEMOLITION WORK, REMOVAL TOOLS, EQUIPMENT AND DEMOLISHED MATERIALS FROM SITE. REMOVE PROTECTION AND LEAVE INTERIOR AREAS BROOM CLEAN.
   - 6.2. REPAIR DEMOLITION PERFORMED IN EXCESS OF THAT REQUIRED. RETURN STRUCTURES AND SURFACES TO REMAIN IN CONDITION EXISTING PRIOR TO COMMENCEMENT OF SELECTIVE DEMOLITION WORK. REPAIR ADJACENT CONSTRUCTION OR SURFACES SOILED OR DAMAGED BY SELECTIVE DEMOLITION WORK.

EDDYSTONE BOROUGH BUILDING RENOVATION MEP - DRAWING INDEX

DRAWING NO.	DRAWING TITLE	ISSUED FOR BID 01/31/23	ADDENDUM 3 02/22/23
E-1	ELECTRICAL COVER	●	●
E-1.1	ELECTRICAL DETAILS	●	
E-2	ELECTRICAL POWER FLOOR PLAN - NEW WORK	●	●
ED-2	ELECTRICAL POWER FLOOR PLAN - DEMOLITION	●	
E-3	ELECTRICAL ROOF PLAN - NEW WORK	●	
E-4	ELECTRICAL LIGHTING FLOOR PLAN	●	
E-5	ELECTRICAL SCHEDULES	●	●
E-6	ELECTRICAL SINGLE LINE DIAGRAM	●	●
E-7	ELECTRICAL SECURITY FLOOR PLAN - NEW WORK	●	

(ISSUE)

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Project No. 22065

ELECTRICAL COVER SHEET

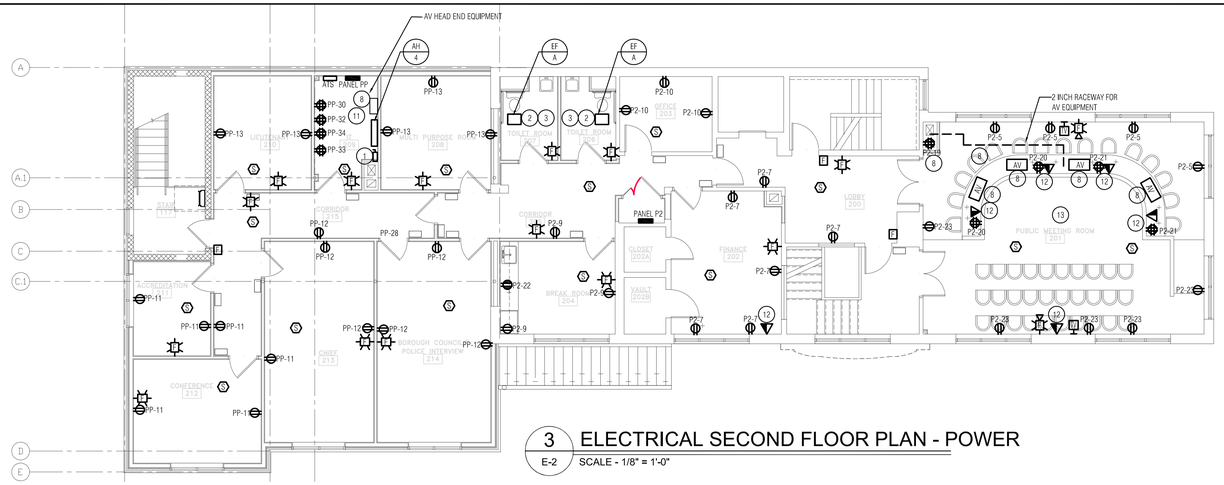
RENOVATIONS TO MUNICIPAL BUILDING
BOROUGH OF EDDYSTONE
1300 E. 12TH ST.
EDDYSTONE, PA 19022

REVISIONS NO.	DESCRIPTION	DATE
	Issued for Bid	1/31/23
1	Addendum 3	2/22/23

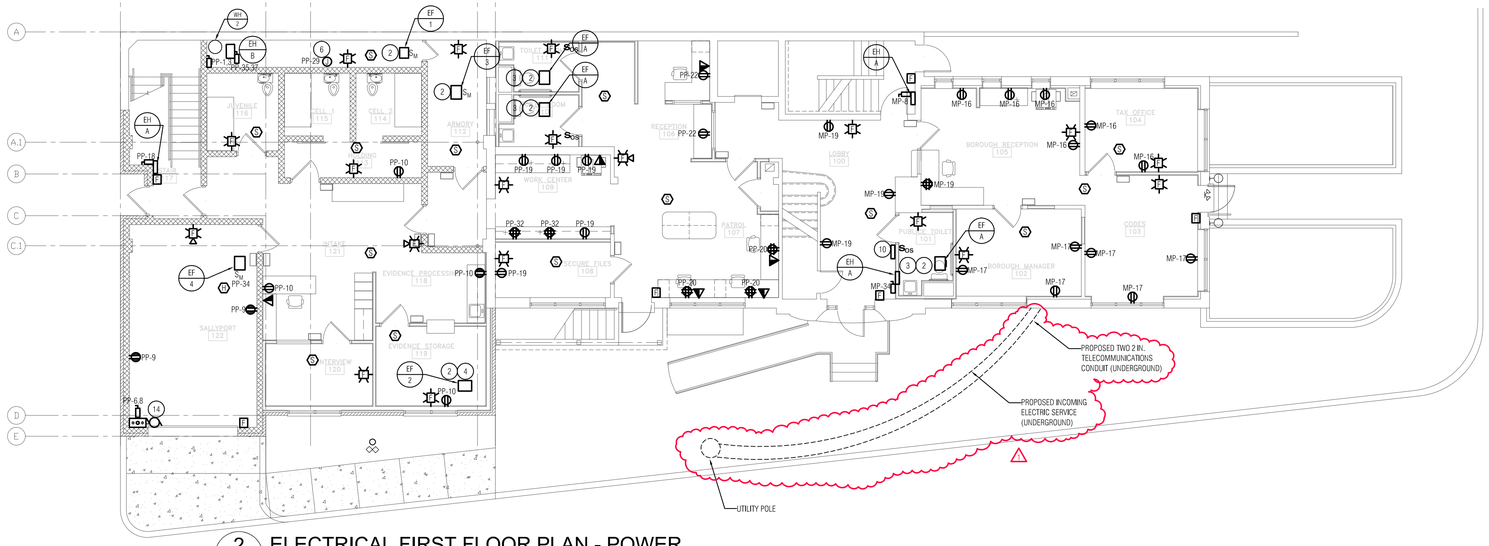
DATE: 2/22/23
SCALE: AS NOTED
DRAWN BY: AH
CHECKED BY: DWF
PROJ. NO.: 22065

SHEET NO. E-1

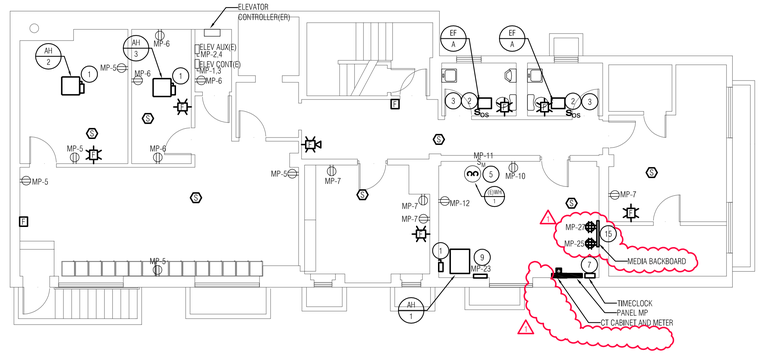
SHEET OF



3 ELECTRICAL SECOND FLOOR PLAN - POWER
E-2 SCALE - 1/8" = 1'-0"



2 ELECTRICAL FIRST FLOOR PLAN - POWER
E-2 SCALE - 1/8" = 1'-0"



1 ELECTRICAL BASEMENT PLAN - POWER
E-2 SCALE - 1/8" = 1'-0"

ELECTRICAL SHEET NOTES:

1. ALL SINGLE PHASE BRANCH CIRCUITING SHALL BE 2#12 & 1#12GND - 3/4"C UON. ALL THREE PHASE BRANCH CIRCUITING SHALL BE 3#12 & 1#12GND 3/4"C UON. ROUTE ALL BRANCH CIRCUITS TO PANEL INDICATED IN ROOM UON. REFER TO SINGLE LINE DIAGRAM FOR ADDITIONAL WIRE SIZES.
2. REFER TO APPROPRIATE TRADE DRAWINGS FOR EXACT LOCATION OF HVAC, PLUMBING, AND ARCHITECTURAL EQUIPMENT.
3. COORDINATE EXACT LOCATION OF RECEPTACLES AND TELECOMMUNICATION DEVICES WITH FURNITURE MILLWORK, AND EQUIPMENT.
4. SECURITY SYSTEMS TO BE DETERMINED(FOBS AND CAMERAS). COORDINATE POWER REQUIREMENTS WITH SECURITY CONTRACTORS.
5. TELE/DATA OUTLETS HOMERUN TO IT ROOM.

ELECTRICAL NEW WORK KEY NOTES

1. INDOOR AIR HANDLER POWERED BY OUTDOOR CONDENSING UNIT.
2. CIRCUIT EXHAUST FANS TO NEAREST LIGHTING CIRCUIT. SEE E-4 FOR LIGHTING CIRCUITING.
3. INTERCONNECT EXHAUST FAN WITH BATHROOM OCCUPANCY SENSOR SWITCH. SEE E-4 FOR OCCUPANCY SENSOR LOCATIONS.
4. INTERCONNECT EXHAUST FAN WITH EVIDENCE ROOM OCCUPANCY SENSOR SWITCH. SEE E-4 FOR OCCUPANCY SENSOR LOCATIONS.
5. HOT WATER RECIRC PUMP. COORDINATE POWER REQUIREMENTS AND FINAL LOCATION WITH PLUMBING CONTRACTOR.
6. JUNCTION BOX FOR SOLENOID VALVE CONTROLLER. COORDINATE POWER REQUIREMENTS AND FINAL LOCATION WITH PLUMBING CONTRACTOR PRIOR TO ROUGH-IN.
7. TIMECLOCK FOR SITE LIGHTING CIRCUITS. TIME CLOCK SHALL BE 365 DAY PROGRAMMABLE ASTRONOMIC TYPE WITH PHOTOCELL OVERRIDE. TIME CLOCK SHALL BE INTERMATIC TYPE ET9015CR OR APPROVED EQUAL
8. AV EQUIPMENT, AV OUTLETS, RACEWAY, AND QUAD RECEPTACLE AND HEAD END EQUIPMENT ARE DIAGRAMMATIC ONLY. COORDINATE LOCATION, ROUTING, INSTALLATION, AND POWER REQUIREMENTS WITH AV CONTRACTOR IN FIELD PRIOR TO ROUGH-IN.
9. FIRE ALARM CONTROL PANEL. COORDINATE LOCATION WITH FIRE MARSHALL PRIOR TO ROUGH-IN.
10. FIRE ALARM ANNUNCIATOR PANEL. COORDINATE LOCATION WITH FIRE MARSHALL.
11. IT ROOM RECEPTACLES. COORDINATE FINAL LOCATIONS WITH BOROUGH STAFF PRIOR TO ROUGH-IN.
12. MOUNT TELE/DATA OUTLETS, QUAD RECEPTACLES, AND AV OUTLETS IN FURNITURE. COORDINATE MOUNTING AND FINAL LOCATION WITH GENERAL CONTRACTOR.
13. FLOORBOX POWER RACEWAY. ROUTING/FINAL LOCATION OF RACEWAY TO BE DETERMINED IN-FIELD PRIOR TO ROUGH IN.
14. GARAGE DOOR OPENER/CONTROLS.COORDINATE FINAL LOCATION AND ELECTRICAL CHARACTERISTICS WITH APPROVED SUBMITTAL PRIOR TO ROUGH-IN.
15. 4'X8' FIRE RESISTANT PLYWOOD BACKBOARD TO TELECOM/CABLE SERVICE EQUIPMENT.

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Project No. 22065

ELECTRICAL FLOOR POWER PLAN
RENOVATIONS TO MUNICIPAL BUILDING
BOROUGH OF EDDYSTONE
1300 E. 12TH ST.
EDDYSTONE, PA 19022

REVISIONS NO.	DESCRIPTION	DATE
	Issued for Bid	1/31/23
1	Addendum 3	2/22/23

DATE 2/22/23
SCALE AS NOTED
DRAWN BY AH
CHECKED BY DWF
PROJ. NO. 22065

SHEET NO. E-2
SHEET OF

Main Panel(MP)

LOCATION: BASEMENT MECHANICAL ROOM
MOUNTING: SURFACE

VOLTAGE: 120/240 V, 1ø , 3 WI
MAIN : 400 A MCB
NEUTRAL: 100%
AIC RATIN

CKT NO.	WIRE ID	CB AMP/POLE	DESCRIPTION	LOAD (KW) A	LOAD (KW) B	LOAD (KW) A	LOAD (KW) B	DESCRIPTION	CB AMP/POLE	WIRE ID	CKT NO.
1	60W3	60A/2P	Elevator Controller	2520		2500		Elevator Auxiliary	30A/2P	30W3	2
3					2520		2500				4
5	20W2	20A/1P	Receptacles-Basement Storage	900		540		Receptacles-Fire Marshall	20A/1P	20W2	6
7	20W2	20A/1P	Receptacles-Mechanical Room		900		1800	EH-A(Stairwell)	20A/1P	20W2	8
9	20W2	20A/1P	Exsting Sump Pump**	500		360		Receptacles-Mechanical Room*	20A/1P	20W2	10
11	20W2	20A/1P	Hot Water Recirc Pump		500		540	Receptacles-Mechanical Room*	20A/1P	20W2	12
13	20W2	20A/1P	Existing Lighting	1000		200		Exterior Lighting***	20A/1P	20W2	14
15	20W2	20A/1P	Existing Lighting		1000		900	Receptacles-Rms 104&105	20A/1P	20W2	16
17	20W2	20A/1P	Receptacles-Rms 102&103	1080		400		Borough Reception Fobs	20A/1P	20W2	18
19	20W2	20A/1P	Receptacles-Lobby Receptacles		900			Parking Lot Lighting(Future)			20
21	20W2	20A/1P	First Floor Lighting	800							22
23	20W2	20A/1P	FACP		500			Parking Lot Lighting(Future)			24
25	20W2	20A/1P	Tele/Data Receptacles	360							26
27	20W2	20A/1P	Tele/Data Receptacles		360			SPARE	20A/1P		28
29		225A/2P	Panel PP	16500		11500		Panel P2	100A/2P		30
31					16500		11500				32
33		20A/1P	SPARE			1800		EH-A(Stairwell 117)	20A/1P	20W2	34
35		20A/1P	SPARE					SPARE	20A/1P		36
37		20A/1P	SPARE					SPARE	20A/1P		38
39			SPACE					SPACE			40
41			SPACE					SPACE			42
			SUB-TOTAL KW	23.7	23.2	17.3	17.2	SUB-TOTAL KW			

TOTAL CONNECTED KVA LOAD 81.4 KVA
TOTAL CONNECTED AMP LOAD 339.1 A

NOTES:*USE GFCI BREAKER
** CONFIRM POWER REQUIREMENTS IN FIELD
***CIRCUIT THROUGH TIMECLOCK

Second Floor Panel(P2)

LOCATION: CORRIDOR 205 CLOSET
MOUNTING: SURFACE

VOLTAGE: 120/240 V, 1ø , 3 WI
MAIN : 100 A MCB
NEUTRAL: 100%

CKT NO.	WIRE ID	CB AMP/POLE	DESCRIPTION	LOAD (KW) A	LOAD (KW) B	LOAD (KW) A	LOAD (KW) B	DESCRIPTION	CB AMP/POLE	WIRE ID	CKT NO.
1	30W3	30A/2P	CU-1	900		1940		RTU-2	30A/2P	40W3	2
3					900		1940				4
5	20W2	20A/1P	Receptacles-Public Meeting Room	720		2500		RTU-3	40A/2P	40W3	6
7	20W2	20A/1P	Receptacles-Finance Office		1080		2500				8
9	20W2	20A/1P	Receptacles-2nd Floor Break Room	720		540		Receptacles-Office Rm 203	20A/1P		10
11	30W3	30A/2P	CU-2		900		1940	RTU-4	30A/2P	40W3	12
13				900		1940					14
15	20W2	20A/1P	Rms 202/203/204 Fobs		400		800	2nd Floor Lighting	20A/1P	20W2	16
17	20W2	20A/1P	2nd Floor Lobby Fobs	400		240		Stairwell Lighting	20A/1P	20W2	18
19	20W2	20A/1P	AV Closet Receptacle		360		720	Floorbox Receptacles-Pub Meeting	20A/1P	20W2	20
21	20W2	20A/1P	Floorbox Receptacles-Pub Meeting	720				Receptacles-2nd Floor Break Room	20A/1P	20W2	22
23	20W2	20A/1P	Receptacles-Public Meeting Room		720			SPARE	20A/1P		24
25	20W2	20A/1P	Rooftop Receptacles	360				SPARE	20A/1P		26
27		20A/1P	SPARE					SPARE	20A/1P		28
29		20A/1P	SPARE					SPARE	20A/1P		30
31		20A/1P	SPARE					SPARE	20A/1P		32
33		20A/1P	SPARE					SPARE	20A/1P		34
35			SPACE					SPACE			36
37			SPACE					SPACE			38
39			SPACE					SPACE			40
41			SPACE					SPACE			42
			SUB-TOTAL KW	4.7	4.4	7.2	7.9	SUB-TOTAL KW			

TOTAL CONNECTED KVA LOAI 24.1 KVA
TOTAL CONNECTED AMP LOAI 100.6 A

NOTES:

Police Panel(PP)

LOCATION: IT ROOM
MOUNTING: SURFACE

VOLTAGE: 120/240 V, 1ø , 3 WI
MAIN : 225 A MCB
NEUTRAL: 100%

CKT NO.	WIRE ID	CB AMP/POLE	DESCRIPTION	LOAD (KW) A	LOAD (KW) B	LOAD (KW) A	LOAD (KW) B	DESCRIPTION	CB AMP/POLE	WIRE ID	CKT NO.
1	30W2	30A/2P	Electric Water Heater Holding Cell Area	2250		900		CU-3	30A/2P	30W3	2
3					2250		900				4
5	30W3	30A/2P	RTU-5	1940		1500		Overhead Door-Salleyport	20A/2P	20W3	6
7					1940		1500				8
9	20W2	20A/1P	Salleyport Receptacles	360		540		Receptacles-Rms 119,121,113	20A/1P	20W2	10
11	20W2	20A/1P	Receptacles-Rms 211,212		1080		1080	Receptacles-Rms 213, 214			12
13	20W2	20A/1P	Receptacles-Rms 208,209,210	1080		2500		RTU-1	40A/2P	40W3	14
15	20W2	20A/1P	First Floor Lighting		1575		2500				16
17	20W2	20A/1P	Second Floor Lighting	1350		1800		EH-A(Stairwell 117)	20A/1P	20W2	18
19	20W2	20A/1P	Receptacles-Work Center(Rm. 109)		1080		1080	Receptacles-Patrol Room 107	20A/1P	20W2	20
21	20W2	20A/1P	Patrol Fobs	400		360		Receptacles-Reception 106	20A/1P	20W2	22
23	20W2	20A/1P	Intake Fobs		400		400	Intake Fobs	20A/1P	20W2	24
25	20W2	20A/1P	Rms 119/120 Fobs	400		400		Rms 211/212/213 Fobs	20A/1P	20W2	26
27	20W2	20A/1P	Rms 208/214 Fobs		400		400	Rms 209/210/214 Fobs	20A/1P	20W2	28
29	20W2	20A/1P	Solenoid Valve Controller*	400		500		Receptacles-IT Room	20A/1P	20W2	30
31	20W2	20A/1P	Stairwell Lighting		105		500	Receptacles-IT Room	20A/1P	20W2	32
33	20W2	20A/1P	Receptacles-IT Room	500		500		Receptacles-IT Room	20A/1P	20W2	34
35		20A/2P	EH-B		1500		720	Quad Receptales - Work Center	20A/1P	20W2	32
37				1500				EF-4	20A/1P	20W2	34
39			SPACE					SPACE			32
41			SPACE					SPACE			34
			SUB-TOTAL KW	10.2	10.3	9.0	9.1	SUB-TOTAL KW			

TOTAL CONNECTED KVA LOAI 38.6 KVA
TOTAL CONNECTED AMP LOAI 160.8 A

NOTES:*USE GFCI BREAKER

EDDYSTONE LIGHTING FIXTURE SCHEDULE

TYPE	DESCRIPTION	MANUFACTURER & MODEL NUMBER	SPECIFIED BY	VOLTAGE	LAMP QUANTITY	LAMP TYPE	LAMP WATTAGE	LAMP DIMMABLE	LAMP COLOR TEMP	LAMP LUMEN	MOUNTING	CLG TYPE (GYP/ACT)	REMARKS
A1	2'X4 RECESSED TROFFER WITH PRISMATIC LENS	LITHONIA 2TL4-40L-RW-A19-EZ1-LP835	AEI	120	1	LED	32	Yes	3500K	4000	Recessed	GYP/ACT	
B1	2X2 RECESSED TROFFER WITH PRISMATIC LENS	LITHONIA 2TL2-40L-RW-A19-EZ1-LP835	AEI	120	1	LED	35	Yes	3500K	4000	Recessed	GYP/ACT	
C	4' LED STRIP LIGHT	LITHONIA CLX-L48-5000LM-SEF-FDL-MVOLT-GZ10-35K-80CRI	AEI	MVOLT	1	LED	35	Yes	3500K	5000	Pendant/Surface	-	CHAIN KIT AVAILABLE
D	8" OPEN LED NON-IC DOWNLIGHT	LITHONIA RV8-30-20-R08-WR-120	AEI	120	1	LED	26	Yes	3000K	2000	Pendant/Surface	-	CHAIN KIT AVAILABLE
E	EXTERIOR - UP/DOWN OUTDOOR LED WALL CYLINDER LIGHTING FIXTURE	LITHONIA OLLWU-LED-P1-40K-120-DARK BRONZE	AEI	120	1	LED	14	No	3500K	950	Surface	-	
E2	PITCH SINGLE LIGHT 5" HIGH INTEGRATED LED OUTDOOR WALL SCONCE	TECH LIGHTING 700W-SPITSB-LED830	AEI	120	1	LED	26	No	3000K	823	Surface	-	
E3	PREMIUMDIE-CAST ARCHITECTURAL EMERGENCY LIGHT	LITHONIA LIGHTING AFF-OELR-DNAXD-WT	AEI	-	1	LED	8.5	No	-	-	Surface	-	
G	6"OPEN LED DOWNLIGHT	LITHONIA LIGHTING LDN6-35-25-L06-WR-LSS-120	AEI	120	1	LED	35	YES	3500K	3130	Surface	GYP/ACT	
H	2'X2' HAZARDOUS LOCATION LED LUMINAIRE	KURTZON TLX12-R-2X2-2/LEDR-840-UNV	AEI	MVOLT	1	LED	37	YES	4000K	4190	Recessed	-	
ST	STAIRWELL FIXTURE	COLUMBIA ESL4-35LW-FAW-EDU-ELL14-NXOS	AEI	120	1	LED	34.5	Yes	3500K	4000	Surface	-	PROVIDE INTEGRATED SENSOR AND DIMMING TO 50% UNOCCUPIED. INCLUDES EMERGENCY BATTERY PACK.
S8	LANDSCAPE ACCENT UPLGHT	HYDREL - ASPEN ASPEN A P1 80CRI 30K 120 25 WSL KM	AEI	120	1	LED	11	NO	3000K	600	Ground	-	U.L. LISTED FOR WET LOCATION
X	EDGE-LIT LED EXIT SIGN.	LITHONIA EDG-W-1-G-EL (SINGLE FACE) EDG-W-2-G-EL (DUAL FACE)	AEI	120	1	LED	3.8	NO	-	-	Surface	-	PROVIDE SINGLE OR DOUBLE FACE AS INDICATED ON PLANS. PROVIDE CHEVRONS AS INDICATED ON PLANS. GREEN LETTERING
EM	LED EMERGENCY LIGHT	COMPASS CU2-SD	AEI	MVOLT	2	LED	1	NO	-	-	Surface	-	INCLUDES SELF TEST/SELF DIAGNOSTIC

LIGHTING FIXTURE SCHEDULE NOTES
1. REFER TO THE ARCHITECTURAL REFLECTED CEILING PLAN(S) FOR THE CEILING TYPE AND EXACT LOCATION OF ALL LIGHT FIXTURES.
2. PROVIDE PLASTER/GWB CEILING FRAMING KITS WHERE APPLICABLE.
3. ALL LAMPS SHALL HAVE A COLOR RENDERING OF 3000 DEGREES KELVIN, UNLESS OTHERWISE NOTED.
4. PROVIDE ALL ACCESSORIES NECESSARY FOR A COMPLETE AND OPERATIONAL SYSTEM
5. ALL FIXTURES RECESSED WITHIN A FIRE RATED CEILING SHALL BE INSTALLED IN A FIRE RATED ENCLOSURE TO MAINTAIN THE CEILING FIRE RATING. THIS CAN BE DONE BY EITHER A FIRE RATED FIXTURE, A TENMAT ENCLOSURE, OR A
6. EC IS RESPONSIBLE FOR PROVIDING ALL POWER SUPPLIES, CONTROLS, HARDWARE, ETC. NEEDED FOR A COMPLETE INSTALLATION

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ADVANCED ENGINEERING INC
WWW.ADVENGINC.COM
5561 Pennell Road | Media PA 19063
Project No. 22065

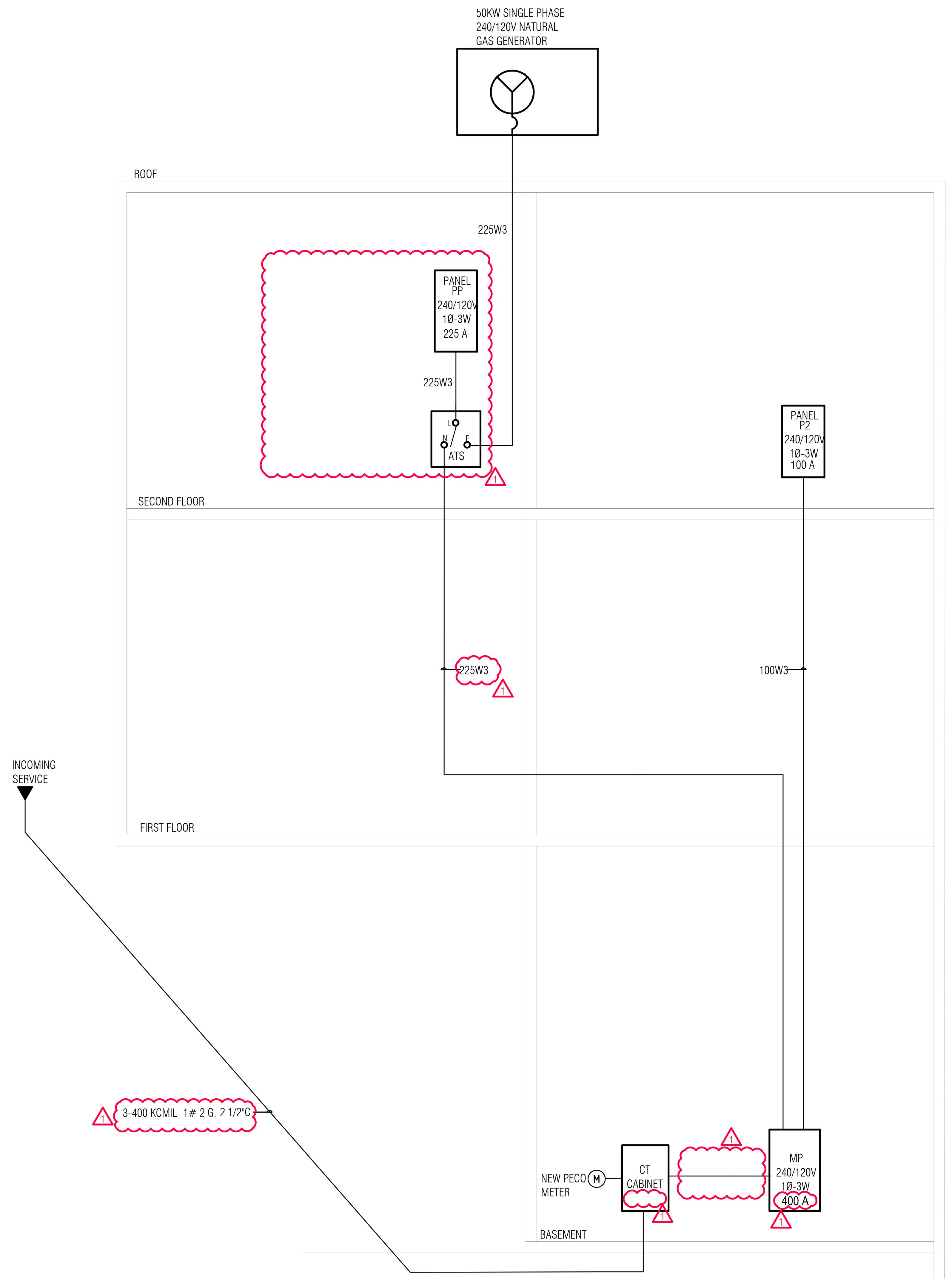
ELECTRICAL SCHEDULES
RENOVATIONS TO MUNICIPAL BUILDING
BOROUGH OF EDDYSTONE
1300 E. 12TH ST.
EDDYSTONE, PA 19022

REVISIONS

NO.	DESCRIPTION	DATE
	Issued for Bid	1/31/23
1	Addendum 3	2/22/23

DATE : 2/22/23
SCALE : AS NOTED
DRAWN BY: AH
CHECKED BY: DWF
PROJ. NO.: 22065

SHEET NO.
E-5
SHEET OF



1 E-6 ELECTRICAL SINGLE LINE DIAGAM
SCALE - NONE

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ELECTRICAL SINGLE LINE DIAGRAM

RENOVATIONS TO MUNICIPAL BUILDING
BOROUGH OF EDDYSTONE
1300 E. 12TH ST.
EDDYSTONE, PA 19022

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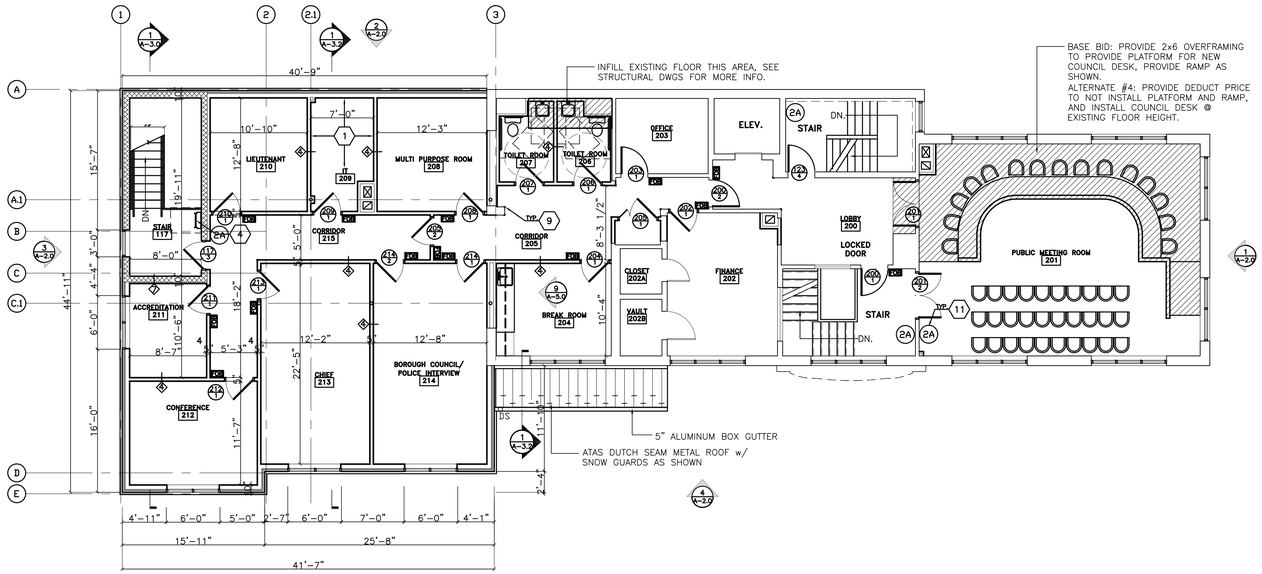
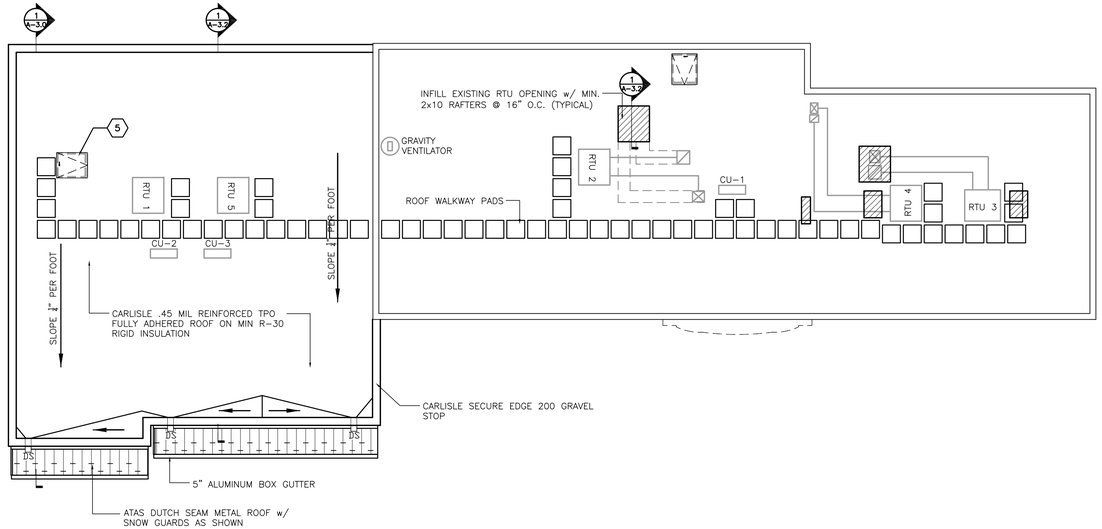


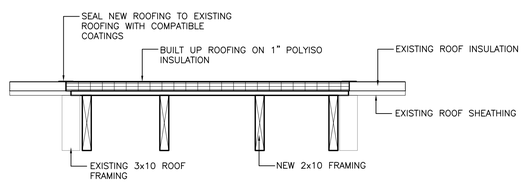
1 A-1.1 **PROPOSED SECOND FLOOR PLAN**

SCALE: 1/8"=1'-0"



2 A-1.1 **PROPOSED ROOF PLAN**

SCALE: 1/8"=1'-0"



3 A-1.1 **RTU ROOF INFILL**

SCALE: 1"=1'-0"

WALL TYPE LEGEND

EXISTING WALL TO REMAIN FRAME OR MASONRY

1 — NEW EXTERIOR WALL – U935 1 HR – 8" CMU WALL w/ 1 ½" RIGID INSULATION, CARLISLE CCW 705 AIR BARRIER, 1" AIR SPACE & 4" BRICK VENEER @ EXTERIOR, PTD. CMU @ INTERIOR

2 — NEW EXTERIOR WALL – 6" MTL. STUDS @ 16" O.C. w/ 5 ½" KRAFT FACED BATT INSULATION, ½" DENS GLAS SHEATHING, CARLISLE CCW 705 AIR BARRIER, 2" AIR SPACE & 4" BRICK VENEER @ EXTERIOR, ⅝" GYP. BD. @ INTERIOR

3 — NEW (2) HOUR EXTERIOR WALL – 6" MTL. STUDS @ 16" O.C. w/ 5 ½" FACED BATT INSULATION, ½" FIREGUARD DENS GLASS SHEATHING, CARLISLE CCW 705 AIR BARRIER, ¾" METAL HAT CHANNEL @ 24" O.C. HORIZONTAL, 2" METL SPAN CF42 INSULATED PANEL @ EXTERIOR, ⅝" FIRE CODE "X" GYP. BD. @ BOTH SIDES

4 — NEW INTERIOR WALL – 3 5/8" MTL. STUDS @ 16" O.C. w/ 3 ½" UNFACED BATT INSULATION, & ⅝" GYP. BD. @ BOTH SIDES. RUN WALL TO 6" ABOVE SCHEDULED CEILING, RUN WALL FULL HEIGHT IF NO CEILING IS SCHEDULED PROVIDE DUROCK @ TILE LOCATIONS& MOISTURE RESISTANT DRYWALL IN TOILET ROOMS

4A — NEW INTERIOR WALL – 3 5/8" MTL. STUDS @ 16" O.C. w/ 3 ½" UNFACED BATT INSULATION, ½" BULLET RESISTANT FIBERGLASS ARMOUR (LEVEL 3)& ⅝" ABUSE RESISTANT GYP. BD. @ BOTH SIDES. RUN WALL FULL HEIGHT, TIGHT TO BOTTOM OF DECK ABOVE

5 — NEW INTERIOR WALL – 8" CMU WALL PTD. BOTH SIDES

6 — NEW INTERIOR WALL – 8" CMU WALL PTD. 3 5/8" MTL. STUDS @ 16" O.C, w/ 3 ½" UNFACED BATT INSULATION, & ⅝" DRYWALL.

7 — NEW INTERIOR WALL – 8" CMU WALL w/ ¾" HAT CHANNEL @ 16" O.C, ⅝" GYP. BD. ON ONE FACE, PTD. CMU ON THE OPPOSITE FACE.

KEY NOTES:

1. PROVIDE 4x8x⅜" F.R.T. PLYWOOD, BEHIND GYPSUM BOARD FOR MOUNTING OF EQUIPMENT.
2. NEW PLASTIC LAMINATE CASEWORK WITH PLASTIC LAMINATE COUNTERTOPS
3. PRISONER LOCKERS – VANGUARD 3 TIER LOCKER 12X12 #6419R
4. ROOF HATCH AND ACCESS LADDER MODEL S20 AS MANUFACTURED BY BILCO – PROVIDE BLOCKING IN WALLS FOR LADDER ATTACHMENT
5. PATRIOT KNOCK DOWN DUTY LOCKERS #64KN242472 BY PENCO. COLOR TO BE SELECTED
6. PAINT EXISTING MASONRY.
7. OVERHEAD GARAGE DOOR MODEL THERMACORE MODEL # 596 DOOR SIZE 10'X9' AS MANUFACTURED BY OVERHEAD DOOR COMPANY OR APPROVED EQUAL. PROVIDE ALUM. SASH SECTION COLOR TO BE GRAY & RMX MEDIUM DUTY OPERATOR AND ALL ASSOCIATED HARDWARE FOR A COMPLETE INSTALLATION.
8. 4" CONCRETE WALK ON 4" CRUSHED STONE W/ W1.4 X W1.4 6X6 WWF. PROVIDE CONTROL JOINTS @ 5'-0" O/C. & EXPANSION JOINT @ 20'-0" O.C.
9. NEW VINYL CORNER GUARDS– MODEL SGU AS MANUFACTURED BY JC– INDUSTRIES, 48" LENGTH WITH 2" WINGS
10. SECURITY WINDOW AS MANUFACTURED BY NORTH AMERICAN BULLETPROOF – PROVIDE LEVEL 3 SECURITY
11. 2A FIRE EXTINGUISHER MTD. 48" TO TOP.
12. NEW FLAG POLES WITH LED UPLIGHTING, GC TO RUN CONDUIT AND CIRCUITING FOR NEW LIGHTING.

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PROPOSED FLOOR PLANS

RENOVATIONS TO MUNICIPAL BUILDING
BOROUGH OF EDDYSTONE
1300 E. 12TH ST.
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REVISIONS NO.	DESCRIPTION	DATE
1	ISSUED FOR BID	01.31.23

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SCALE: 1/8"=1'-0"
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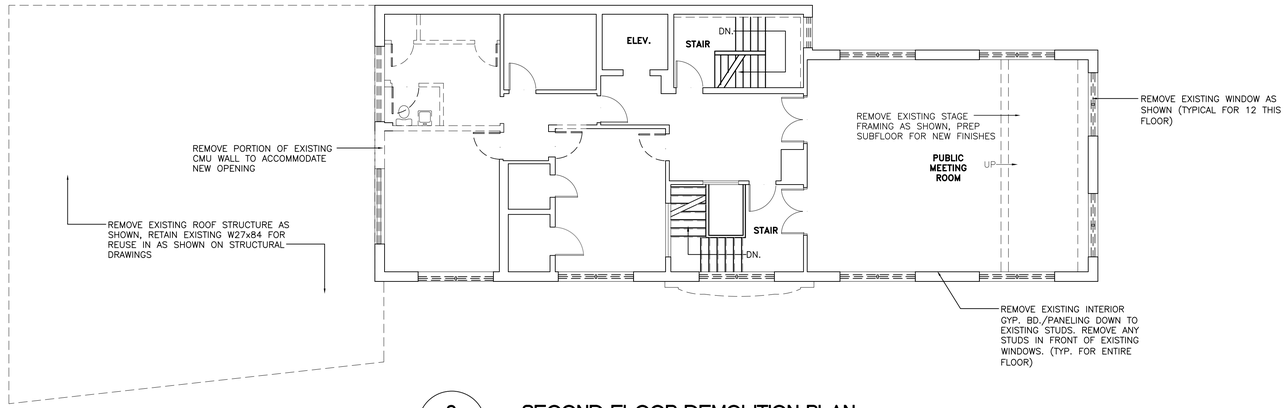
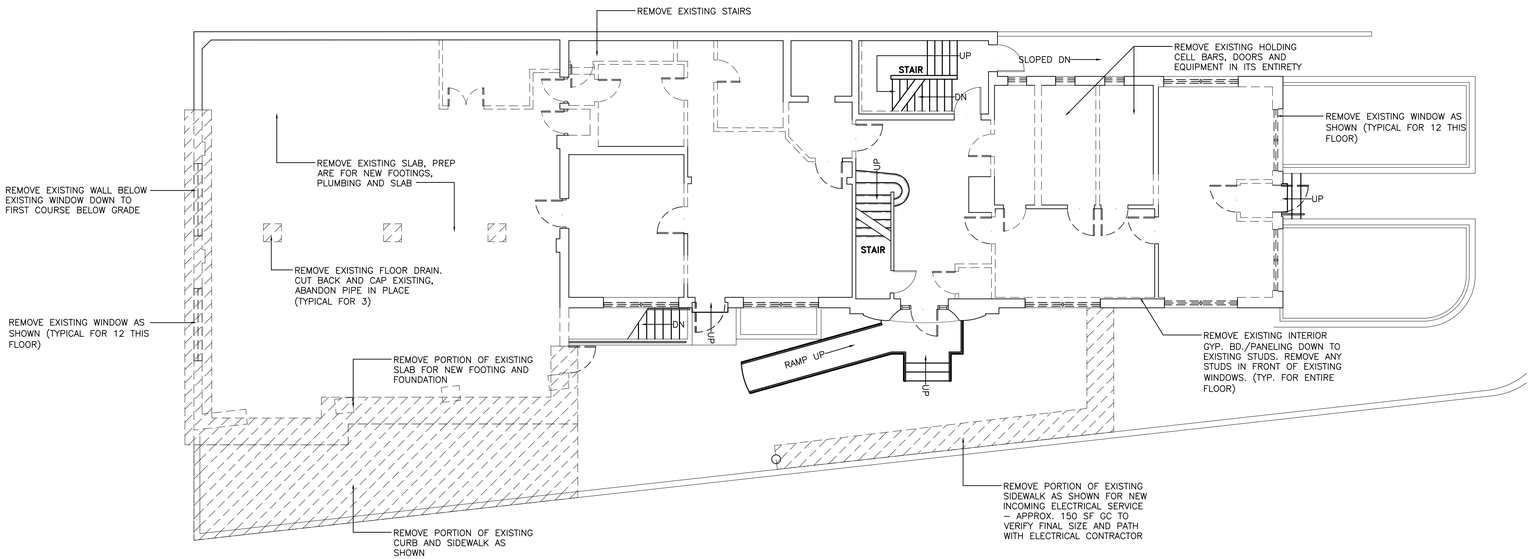
CHECKED BY
PROJ. NO. 22100

SHEET NO. A-1.1 SHEET OF



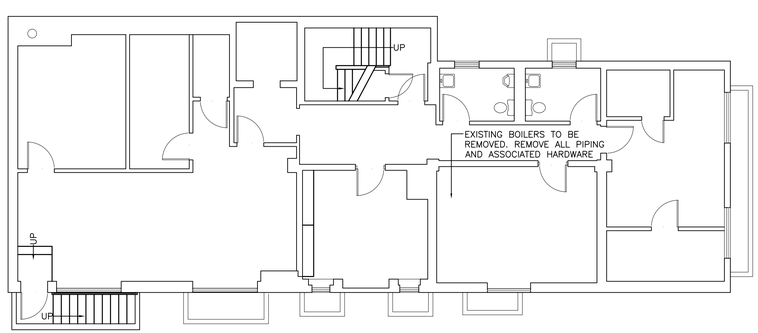
3 D-1 **SECOND FLOOR DEMOLITION PLAN**

SCALE: 1/8"=1'-0"



2 D-1 **FIRST FLOOR DEMOLITION PLAN**

SCALE: 1/8"=1'-0"



1 D-1 **BASEMENT DEMOLITION PLAN**

SCALE: 1/8"=1'-0"

NOTE: SCRAPE & PAINT ALL EXISTING EXPOSED STEEL CHANNELS REMAINING. COLOR TO BE WHITE.

NOTE: CLEAN, SCRAPE & POWERWASH EXISTING BRICK, PATCH & REPAIR ANY MISSING OR DAMAGED BRICK. REPOINT ALL REMAINING EXPOSED BRICK.

DEMO NOTES:

1) REMOVE ALL LIGHTS, RECEPTACLES, SWITCH PANELS, WIRING.
2) REMOVE ALL CONDUITS, PIPING, SUPPORTS AND ALL FIXTURES.
3) REMOVE ALL WALLS & DOORS AS SHOWN.
4) REMOVE ALL EXISTING MECHANICAL DEVICES, UNIT HEATERS, AC UNITS & ALL ASSOCIATED WIRING & PIPING.
5) REMOVE EXISTING BOILER AND ALL EXISTING RADIATORS, PIPING, VALVES AND ALL ASSOCIATED HARDWARE IN THERE ENTIRETY.
6) REMOVE ALL EXISTING PLUMBING FIXTURES, SUPPLY LINES & SANITARY PIPING. CUTBACK CAP & ABANDON ANY PIPING NOT BE REUSED. REMOVE ANY PIPING THAT CONFLICTS WITH NEW CONSTRUCTION.
7) REMOVE & DISPOSE OF ALL DEBRIS IN A LEGAL MANNER.
8) ALL CONTRACTORS SHALL KEEP THE SITE & BUILDING BROOM CLEAN ON A DAILY BASIS.

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