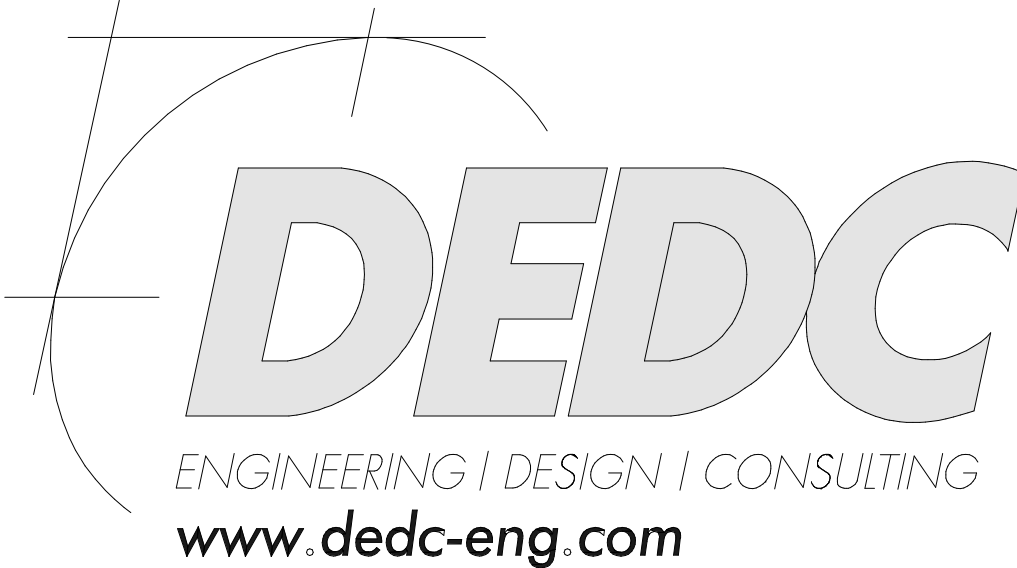


KENT COUNTY PUBLIC SAFETY

911 Public Safety Blvd
Dover, DE 19901

911 PUBLIC SAFETY BUILDING GENERATOR REPLACEMENT COVERSHEET

PROJECT:24P341



315 South Chapel St.
Newark, DE 19711
Phone: (302)738-7172

One Liberty Place
1650 Market Street, 36th Floor
Philadelphia, PA 19103
Phone: (267)386-4885

DRAWING LIST	
CS-01	COVERSHEET
E-001	ELECTRICAL LEGENDS, NOTES AND ABBREVIATIONS
ED-201	ELECTRICAL DEMOLITION SITE AND ENLARGED ELECTRICAL ROOM PLANS
E-201	ELECTRICAL NEW WORK SITE AND ENLARGED ELECTRICAL PLANS
E-601	ELECTRICAL DEMOLITION AND NEW WORK SINGLE LINE DIAGRAMS
E-602	ELECTRICAL UNDERGROUND UTILITIES TRACING SKETCH

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ELECTRICAL ABBREVIATIONS LIST

A	1 POLE (2P, 3P, 4P, ETC.)	DPT	DOMESTIC WATER CIRCULATING PUMPH	HEIGHT	NEMA	NATIONAL ELECTRICAL	SWBD	SWITCHBOARD	
AC	AMPERE	DEPT	DEPARTMENT	HTG	HEATING	ASSOCIATION	MANUFACTURERS	SYM	SYMMETRICAL
ACB	ABOVE COUNTER OR DRAIN	DET	DETAIL	HV	HEATER	IFC	NOT FUSED SAFETY	SYS	SYSTEM
AD	ADDITIONAL	DIA	DIA	HV	HIGH VOLTAGE	ASSOCIATION	NOT FUSED SAFETY	TEL	TELEPHONE
ACLG	ABOVE CEILING	DISC	DISCONNECT	HTR	HEATING, VENTILATING AND	NF	DISCONNECT SWITCH	TERM	TERMINAL
AOD	AUTOMATIC DOOR OPENER	DIST	DISTRIBUTION	HC	AIR CONDITIONING	NIC	NOT IN CONTRACT	TL	TWIST LOCK
AF	AIR FAN	DOWN	DOWN	HP	HYDRONIC WATER PUMP	NI	NIGHT LIGHT	TR	TRIP
AFF	ABOVE FINISHED FLOOR	DMP	DAMPER	I	INTER interrupting CAPACITY	NO	NORMALLY OPEN	T-STAT	THERMOSTAT
AFI	ABOVE FINISHED GRADE	SP	SPECIAL DISCONNECT SWITCH	IG	ISOLATED GROUND	NPS	NORMAL POWER FACTOR	TTC	TELEPHONE TERMINAL CABINET
AFI	ARC FAULT CIRCUIT INTERRUPTER	DS	DOUBLE THROW	MC	INTERMEDIATE METAL CONDUIT	NPT	NOT TO SCALE	TV	TELEVISION
AL	AIR HANDLING UNIT	DWG	DRAWING	INFR	INFRARED	OC	OVERCURRENT	TYTC	TELETYPE TERMINAL CABINET
AL	ALUMINUM	E	ELECTRICAL	IR	INTERFERENCE	OL	OVERLOADS	TYC	TYPICAL
ALT	ALTERNATE	ELEC	ELECTRICAL, ELECTRICAL	IW	INTERLOCK	PA	PUBLIC ADDRESS	UC	UNDER COUNTER
AMP	AMPERE	ELEV	ELEVATOR	J-BOX	JUNCTION BOX	PA	PULL BOX OR PUSHBUTTON	UG	UNDERGROUND ELECTRICAL
AMPL	AMPLIFIER	EM	EMERGENCY	KV	KILOVOLT	PE	PNEUMATIC ELECTRIC	UG	UNDERGROUND
ANN	ANNUNCIATOR	EMS	ENERGY MANAGEMENT SYSTEM	KVA	KILOVOLT-AMPERE	PED	PEDESTAL	UH	UNIT HEATER
APPROX	APPROXIMATELY	ENT	ELECTRICAL METALLIC TUBING	KV	KILOVOLT-AMPERE	PF	POWER FACTOR	UT	UNDERGROUND TELEPHONE
ARCH	ARCHITECT, ARCHITECTURAL	EQ-STAT	ELECTRIC PNEUMATIC	KWH	KILOWATT HOUR	PIV	POT INDICATING VALVE	UTIL	UTILITY
AS	ASP SWITCH	EWC	ELECTRIC WATER COOLER	LOC	LOCATE OR LOCATION	PNL	PANEL	V	VOLT
AT	ATM TRIP	EXT	EXHAUST	LT	LIGHT	PL	POWER POLE	VL	VOLT-AMPERES
ATS	AUTOMATIC TRANSFER SWITCH	EXH	EXHAUST	LTC	LIGHTING	PAIR	PAIR	VDT	VIDEO DISPLAY TERMINAL
AUTO	AUTOMATIC	EXP	EXPLOSION PROOF	LTXG	LIGHTING	PR	PRIMARY	VERT	VERTICAL
AUX	AUXILIARY	FAL	FIRE ALARM	LVL	LOW VOLTAGE	PRO	PROTECTION	VFL	VARIABLE FREQUENCY DRIVE
AV	AUDIO VISUAL	FAB	FIRE ALARM BOOSTER FAN	MAX	MAXIMUM	PRV	POWER ROOF VENTILATOR	VOL	VOLUME
AWG	AMERICAN WIRE GAUGE	FAC	FIRE ALARM CONTROL PANEL	MAG	MAGNETIC STARTER	PT	POTENTIAL TRANSFORMER	W	WATT
BATT	BATTERY	FACP	FIRE ALARM CONTROL PANEL	MOM	MOMENTARY CONTACT	PVC	POLYVINYL CHLORIDE (CONDUIT)	WH	WITH
BMS	BUILDING MANAGEMENT SYSTEM	FCD	FIRE COIL UNIT	POW	POWER	PWR	POWER	WG	WIRE GAUGE
BLDG	BUILDING	FIXT	FIXTURE	MCB	MAJOR CIRCUIT BREAKER	QNT	QUANTITY	WH	WATER HEATER
BMS	BUILDING MANAGEMENT SYSTEM	FLO	FLOOR	MCC	MAIN CIRCUIT CENTER	RCPT	RECEPTACLE	WO	WITHOUT
CAB	CABINET	FLUR	FLOOR	MSD	MAIN DISTRIBUTION CENTER	REQD	REQUIRED	WP	WEATHERPROOF
CAT	CATALOG	FUSE	FUSE	MDF	MAIN DISTRIBUTION PANEL	RM	ROOM	XFMR	TRANSFORMER
CATV	CABLE TELEVISION	FUSDS	FUSED SAFETY DISCONNECT SWITCH	MFR	MANUFACTURER	RSC	RIGID STEEL CONDUIT	XFR	TRANSFER
CCTV	CLOSED CIRCUIT TELEVISION	GA	GAUGE	MFS	FUSED SAFETY DISCONNECT SWITCH	RTO	ROOF TOP UNIT	@	AT
CB	CIRCUIT BREAKER	GALV	GALVANIZED	MH	MANHOLE	SEC	SECONDARY	"	INCHES
CC	CLOSED CIRCUIT TELEVISION	GALV	GALVANIZED	MC	MINI PHONE	SEC	SECONDARY	"	INCHES
CRK	CIRCUIT	GC	GENERAL CONTRACTOR	NIN	MINIMUM	SH	SHEET	#	NUMBER
CLS	CEILING	GEN	GENERATOR	MISC	MISCELLANEOUS	SH	SIMILAR	PHASE	PHASE
COMB	COMBINATION	GFI	GROUND FAULT CIRCUIT	MLO	MAN LUGS ONLY	SNT	SOLID NEUTRAL	C	CENTER LINE
COMP	COMPRESSOR	INT	INTERRUPTER	MMS	MANUAL MOTOR STARTER	SP	SPECIFICATION	P	PLATE
CONN	CONNECTION	GFP	GROUND FAULT PROTECTOR	MMA	MULTI-TOOLT ASSEMBLY	SPKR	SPEAKER		
CONSTR	CONSTRUCTION	GND	GROUND	MSD	MOTOR STARTER PANEL	SPR	SPRINKLER		
CONT	CONTINUATION OR CONTINUOUS	GNS	GALVANIZED RIGID STEEL (CONDUIT)	MSBD	MAIN SWITCHBOARD	SR	SURFACE RACEWAY		
CONTR	CONTRACTOR	GYP	GYPSONIUM BOARD	MT	MOUNT	SS	STAINLESS STEEL		
CONV	CONVERTER	HO	HANDS-OFF-AUTOMATIC SWITCH	MT C	EMPTY CONDUIT	SSW	SELECTOR SWITCH		
CR	CIRCULATING PUMP	HORIZ	HORIZONTAL	MTR	MANUAL TRANSFER SWITCH	STS	STOP/START PUSHBUTTONS		
CRP	CORROD-HAY ROTE	MTR	MOTOR	MTR	MOTOR, MOTORIZED	STA	STATION		
CT	CURRENT TRANSFORMER	HPF	HIGH POWER FACTOR	N	NORMALLY CLOSED	STD	STANDARD		
CTR	CENTER	NEC	NATIONAL ELECTRICAL CODE	N	NATIONAL ELECTRICAL CODE	SURF	SURFACE MOUNTED		
CU	COPPER	NEC	NATIONAL ELECTRICAL CODE	N	NATIONAL ELECTRICAL CODE	SW	SWITCH		

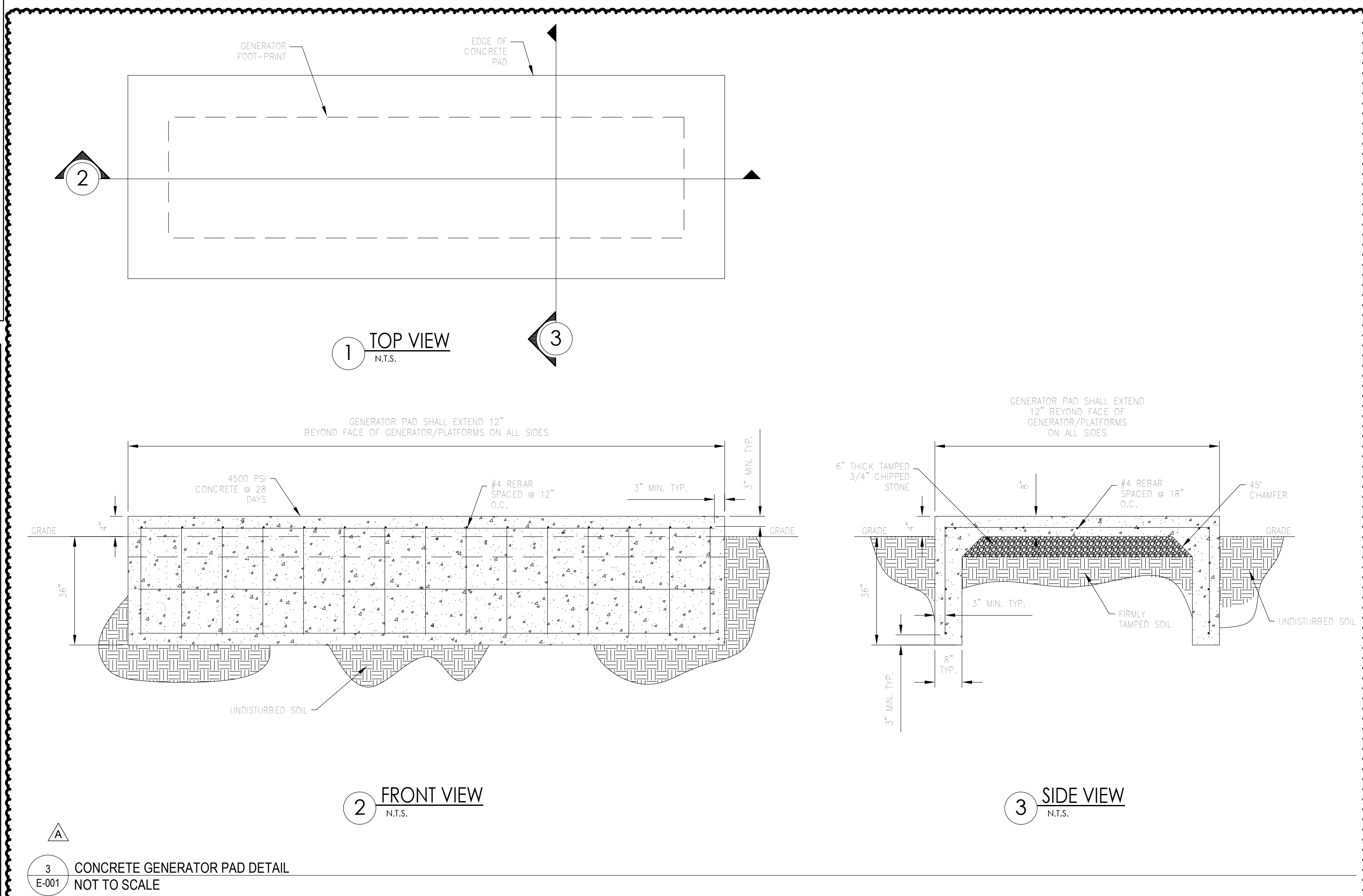
SPECIFIC CODE NOTES

FIRE PROTECTION REQUIREMENTS

- A. PENETRATIONS IN WALLS REQUIRING PROTECTED OPENINGS MUST BE FIRESTOPPED WITH AN APPROVED MATERIAL.
1. CONDUITS MAY PENETRATE WALLS OR PARTITIONS, PROVIDED THEY ARE FIRE STOPPED.
 2. OPENINGS FOR STEEL ELECTRICAL BOXES NOT EXCEEDING 16 SQUARE INCHES ARE PERMITTED PROVIDED OPENINGS DO NOT AGGREGATE MORE THAN 100 SQUARE INCHES FOR ANY 100 SQUARE FEET OF WALL OR PARTITION.
 3. CUTS MADE ON OPPOSITE SIDES OF WALLS OR PARTITIONS MUST BE SEPARATED BY A HORIZONTAL DISTANCE OF 24 INCHES.
- B. LIGHT FIXTURES AND OTHER APPARATUS SUPPORTED BY THE ACOUSTICAL CEILING GRID MUST MEET THE REQUIREMENTS OF NEC SECTION 410.16, MEANS OF SUPPORT.
- C. RECESSED LIGHTING FIXTURES INSTALLED IN FIRE RATED CEILING

GENERAL ELECTRICAL NOTES

- ALL CONDUCTORS OPERATING AT 50 VOLTS OR GREATER SHALL BE IN RACEWAY. ALL RACEWAY WITHIN THE STRUCTURE ABOVE THE FLOOR SHALL BE METALLIC. ALL RACEWAY SHALL BE INSTALLED IN A CONCEALED MANNER UNDERGROUND RACEWAY OUTSIDE THE STRUCTURE SHALL BE PVC. ALL LOW VOLTAGE CABLES OR CONDUCTORS OPERATING AT LESS THAN 50 VOLTS SHALL BE INSTALLED IN A CONCEALED MANNER UNDERGROUND. INACCESSIBLE SPACES. LOW VOLTAGE CABLES MAY BE RUN IN CABLE TRAYS WHERE NOTED. LOW VOLTAGE CABLES MAY BE RUN IN CABLE TRAYS WHERE NOTED. ALL CABLES ABOVE ABOVE CEILING SHALL BE IN CONCEALED LOCATION AND BE IDENTIFIED WITH AROUND, ELEVATION AND DETAILS. ARCHITECTURAL ELEVATIONS AND DETAILS TAKE PRECEDENCE. OVER LOCATIONS SHOWN ON ELECTRICAL DRAWINGS. CONTRACTOR SHALL BE RESPONSIBLE FOR WIRING ALL ELECTRICAL EQUIPMENT FURNISHED EQUIPMENT PRIOR TO ROUGH-IN. CONDUIT AND WIRE SHALL NOT BE INSTALLED BELOW FLOOR SLAB UNLESS SPECIFICALLY NOTED OTHERWISE BY THE ARCHITECT. CONTRACTOR SHALL BE RESPONSIBLE FOR WIRING ALL ELECTRICAL LIFE SHOWING DRAWINGS. CONTRACTOR SHALL MEAN TO PURCHASE AND SUPPLY TO THE JOB SITE. THE TERM "INSTALL" SHALL MEAN TO FIX IN POSITION AND CONNECT TO THE WIRE. THE TERM "PROVIDE" SHALL MEAN TO FURNISH AND INSTALL. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY TRADES AND EXISTING CONDITIONS, INCLUDING PRODUCTIONS SCHEDULES PRIOR TO FABRICATION, PURCHASE, AND/OR INSTALLATION. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY EXISTING CONDITIONS WITH RESPECT TO THE DRAWINGS AND BE REPORTED PRIOR TO PROCEEDING WITH ANY WORK. ANY DISCREPANCY DISCOVERED PRIOR TO PROCEEDING WITH ANY WORK SHALL BE RECORDED TO THE OWNER OR REPRESENTATIVE FOR RESOLUTION. EXAMINE THE AREA OF WORK PRIOR TO AND DURING CONSTRUCTION TO VERIFY THE EXISTING CONDITIONS. CONTRACTOR SHALL BE RESPONSIBLE FOR MODIFIED HAVE BEEN IDENTIFIED AND SCHEDULED. EXISTING CONDITIONS HAVE BEEN ACCURATELY NOTED. IF ANY THAT ANY HAZARDS OR IMPACT TO THE OWNER'S REPRESENTATIVE. IF THE CONTRACTOR ENCOUNTERS WHAT APPEARS TO BE A HAZARDOUS CONDITION OR QUESTIONABLE CONDITION, THE CONTRACTOR SHALL STOP WORK IMMEDIATELY AND CONTACT THE OWNER'S REPRESENTATIVE. ALL WORK SHALL BE PERFORMED BY QUALIFIED PERSONNEL OR UNDER THE CLOSE SUPERVISION OF A QUALIFIED PERSONNEL. CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE REGULATORY REQUIREMENTS DURING WORK AND FOR DISPOSAL OF DISCARDED MATERIALS. CARE SHALL BE TAKEN TO MINIMIZE THE AMOUNT OF MATERIALS AND WASTE TO OTHER AREAS OF THE BUILDING WHICH ARE TO REMAIN IN OPERATION. NOTIFY OWNER'S REPRESENTATIVE IN ADVANCE OF ALL ANTICIPATED WORK TO BE PERFORMED IN AREAS OF THE BUILDING WHICH ARE TO REMAIN PARTITIONS AND/OR TAPPS TO KEEP DUST AND DIRT WITHIN THE CONSTRUCTION AREA. CONTRACTOR SHALL REMOVE CONSTRUCTION ONLY TO THE EXTENT REQUIRED BY NEW CONSTRUCTION AND AS INDICATED. USE METHODS TOOLS REQUIRED TO COMPLETE WORK IN NEAT, EFFICIENT AND SAFE MANNER. MINIMIZE THE AMOUNT OF MATERIALS AND WASTE TO OTHER AREAS OF THE BUILDING WHICH ARE TO REMAIN IN OPERATION. CONTRACTOR SHALL BE RESPONSIBLE FOR RESTORE FINISHES OF PATCHED AREAS AND EXTEND FINISH RESTORATION INTO ADJOINING CONSTRUCTION AS REQUIRED TO MAINTAIN THE APPEARANCE OF THE BUILDING. CONTRACTOR SHALL PATCH AREAS BACK TO ORIGINAL CONDITION INCLUDING MAINTAIN ANY RATINGS THAT MAY APPLY. CLEAN THE JOB SITE DAILY AND REMOVE FROM THE WORK AREA ANY DIRT, DEBRIS, AND WASTE. CONTRACTOR SHALL BE RESPONSIBLE FOR THE PERFORMANCE OF WORK INCLUDED IN THE CONTRACT. UPON THE COMPLETION OF ALL WORK OR ANY SEPARATE PARTS OF THE WORK, THE CONTRACTOR SHALL REMOVE FROM THE WORK AREA ALL EVIDENCE OF DIRT, REFUSE, STAINS OR OTHER FOREIGN MATTER. ALL SURFACES SHALL BE FREE FROM DIRT AND THE BUILDING SHALL BE LEFT IN READY CONDITION FOR OCCUPANCY.



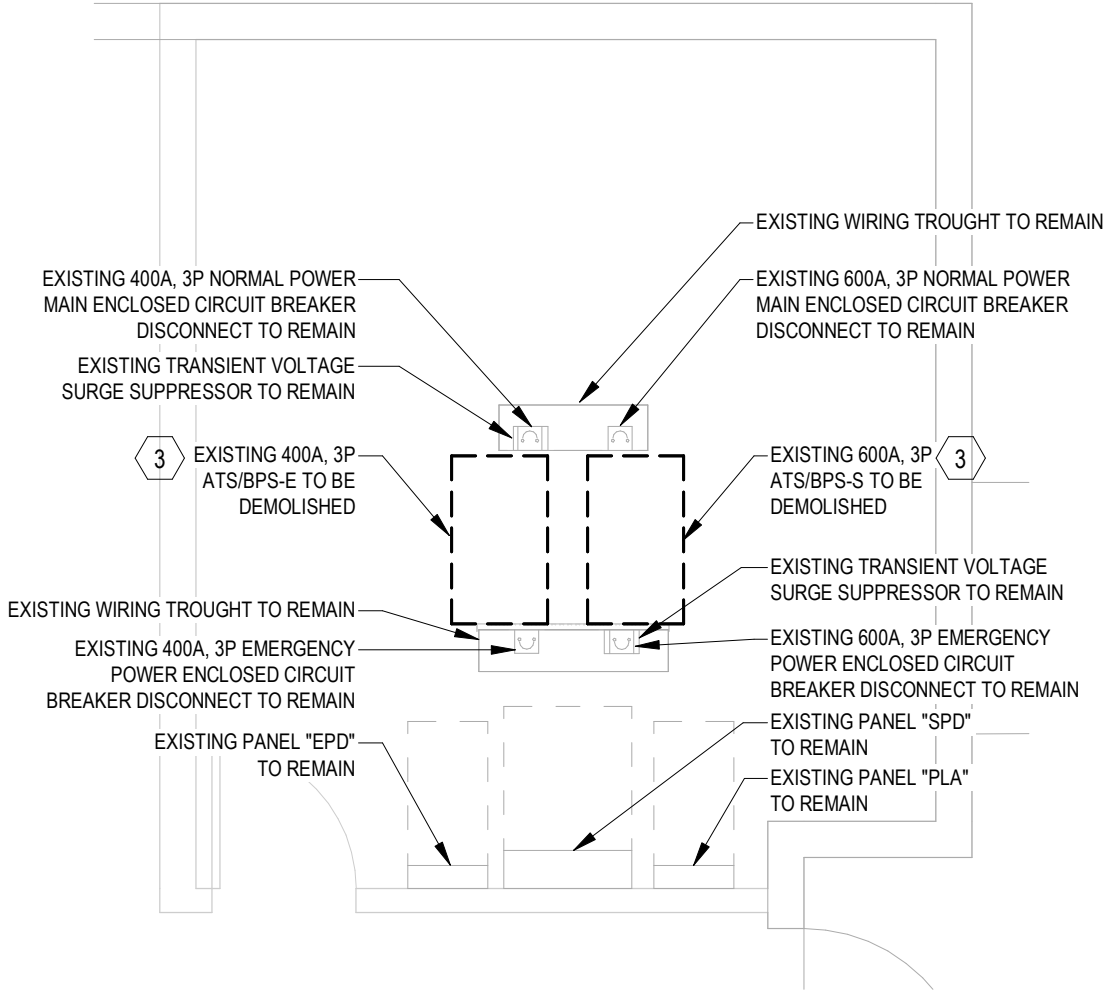
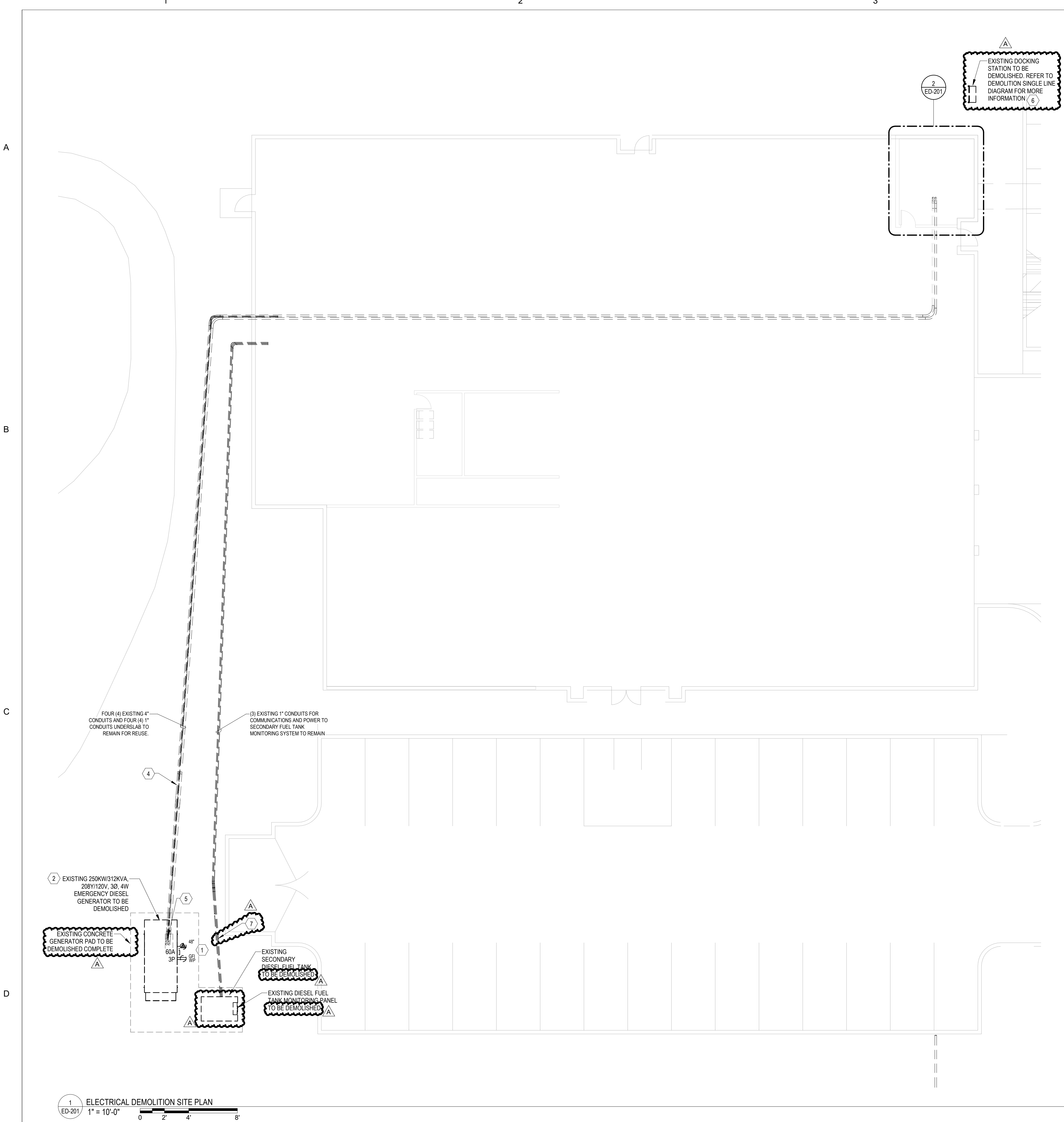
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PROJ #:24P341

REV I S I O N S			ELECTRICAL LEGENDS, NOTES AND ABBREVIATIONS		
REV.	DESCRIPTION	DATE			
A	ADDENDUM #2	06.27.2025	SCALE AS NOTED DATE SHEET NO. DRAWN BY CHECKED BY APPROVED BY DRW DRW DRW 03.31.2025 03.31.2025 03.31.2025 E-001		



2 ENLARGED ELECTRICAL ROOM DEMOLITION PLAN
ED-201 / 1/4" = 1'-0"

- GENERAL DEMOLITION NOTES**
- ALL ITEMS SHOWN DARK AND DASHED ON PLANS SHALL REPRESENT ITEMS TO BE DEMOLISHED. ALL ITEMS SHOWN LIGHT AND SOLID ON PLANS SHALL REPRESENT ITEMS THAT ARE EXISTING TO REMAIN, UNLESS OTHERWISE NOTED.
 - E.C. SHALL COORDINATE ALL DEMOLITION WORK IN FIELD PRIOR TO COMMENCING WORK.
 - E.C. SHALL LAWFULLY DISCARD OF ALL DEMOLISHED EQUIPMENT IN ACCORDANCE WITH ALL FEDERAL, STATE, CITY AND LOCAL CODES AND ORDINANCES IN EFFECT. OWNER SHALL HAVE FIRST RIGHT OF REFUSAL OF ALL ITEMS SHOWN TO BE DEMOLISHED PRIOR TO DISCARDMENT OF ITEM.
 - E.C. SHALL REFER TO ELECTRICAL SINGLE LINE DIAGRAMS ON DRAWING E-601 FOR MORE INFORMATION.
 - E.C. SHALL SAFEGUARD EXISTING GENERATOR AND ATS CONDUCTORS FOR REUSE IN NEW WORK PORTION OF PROJECT. E.C. SHALL COORDINATE ALL DEMOLITION WORK IN FIELD PRIOR TO COMMENCING WORK.
 - ALL ASSOCIATED BRANCH CIRCUITS INSTALLED TO GENERATOR ENCLOSURE SHALL BE SAFEGUARDED DURING DEMOLITION FOR REUSE IN NEW WORK PORTION OF PROJECT.

- KEYNOTES**
- E.C. SHALL DE-ENERGIZE, DISCONNECT AND DEMOLISH EXISTING WIRING DEVICES AND DISCONNECT SWITCH. EXISTING BRANCH CIRCUITS SHALL BE SAFEGUARDED FOR REUSE IN NEW WORK PORTION OF PROJECT.
 - E.C. SHALL DE-ENERGIZE, DISCONNECT AND DEMOLISH EXISTING GENERATOR AND SUB-BASE TANK. E.C. SHALL SAFEGUARD EXISTING CONDUCTORS AND CONDUITS ASSOCIATED WITH GENERATOR AND EQUIPMENT FOR REUSE IN NEW WORK PORTION OF PROJECT.
 - E.C. SHALL DE-ENERGIZE, DISCONNECT AND DEMOLISH EXISTING ATSBPS FOR REPLACEMENT IN SAME LOCATION. E.C. SHALL SAFEGUARD EXISTING CONDUCTORS FOR REUSE IN NEW WORK PORTION OF PROJECT. E.C. SHALL COORDINATE ALL WORK IN FIELD WITH EXISTING CONDITIONS.
 - E.C. SHALL HAND DIG AROUND EXISTING CONDUITS AFTER PULLING CABLE PARTIALLY OUT OF CONDUIT. E.C. SHALL INTERCEPT EXISTING CONDUIT AT LOCATION AS COORDINATED IN FIELD TO REMOVE EXISTING CONDUIT AND PERFORM THE NEW WORK AS NOTED IN NEW WORK PORTION OF PROJECT.
 - E.C. SHALL DE-ENERGIZE AND DISCONNECT EXISTING CONVENIENCE RECEPTACLE, BATTERY CHARGER AND BLOCK HEATER CIRCUITS FROM THEIR EXISTING CIRCUIT BREAKERS. EXISTING CIRCUIT BREAKERS SHALL BE SAFEGUARDED AND LABELED "SPARE" IN PANEL SCHEDULES. CABLING SHALL BE SAFEGUARDED FOR REUSE IN NEW WORK PORTION OF PROJECT. EXISTING CONDUITS SHALL BE ABANDONED IN GROUND, IF NOT REUSED. E.C. SHALL COORDINATE ALL WORK IN FIELD WITH EXISTING CONDITIONS AND NEW WORK PLANS IN FIELD.
 - E.C. SHALL REWORK EXISTING CONDUCTORS PRIOR TO COMMENCING DEMOLITION WORK TO FEED TEMPORARY POWER TO ALL PANELS FOR TEMPORARY GENERATOR POWER DURING PROJECT. E.C. SHALL DE-ENERGIZE, DISCONNECT AND DEMOLISH EXISTING ROLL-UP DOCKING STATION AFTER INSTALLATION OF NEW GENERATOR. ATSS AND CONNECTIONS HAVE BEEN REMOVED AND POWERED UP. E.C. SHALL DEMOLISH EXISTING CONDUITS ON BOTH SIDE OF EXTERIOR WALL TO THE WALL AND LEAVE CONDUITS THROUGH WALL. E.C. SHALL DEMOLISH EXISTING CONDUCTORS FROM DOCKING STATION TO THEIR END POINT. E.C. SHALL FILL EXISTING CONDUITS WITH WEATHER AND FIRE-PROOF CAULKING TO SEAL CONDUITS THROUGH WALL. E.C. SHALL ENSURE WEATHER-TIGHT SEAL AFTER COMPLETION.
 - E.C. SHALL REWORK EXISTING CONDUITS TO GENERATOR LOCATION FOR NEW GENERATOR FUEL MONITORING WIRING INTO EXISTING LOCATION IN BUILDING. E.C. SHALL COORDINATE ALL WORK IN FIELD WITH EXISTING CONDUITS.



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KENT COUNTY PUBLIC SAFETY
911 Public Safety Blvd
Dover, DE 19901

REVISIONS			
REV.	DESCRIPTION	DATE	
A	ADDENDUM #2	06.27.2025	

SCALE	AS NOTED	DATE	SHEET NO.
DRAWN BY	DRW	03.31.2025	ED-201
CHECKED BY	DRW	03.31.2025	
APPROVED BY	DRW	03.31.2025	

A

B

C

D

E

1
E-201
NEW WORK SITE POWER PLAN
1" = 10'-0"

3
E-201
GENERATOR AREA ENLARGED PLAN
1/4" = 1'-0"

ADD-ALTERNATES

A DEDUCT-ALTERNATE 1 - PROVIDE A COST IN THE BID TO MOUNT DOCKING STATION AND ROLLUP COMMAND CENTER RECEPTACLES ON BUILDING'S EXTERIOR WALL. E.C. SHALL COORDINATE EXACT LOCATION IN FIELD WITH OWNER'S ONSITE REPRESENTATIVE PRIOR TO COMMENCING WORK.

C ADD-ALTERNATE 3 - E.C. SHALL PROVIDE A SEPARATE COST IN THEIR BID TO MEGGER-TEST EXISTING GENERATOR FEEDER CONDUCTORS PRIOR TO REUSING IN NEW WORK PORTION OF PROJECT. E.C. SHALL PROVIDE UNIT PRICING FOR REPLACEMENT AND INSTALLATION OF NEW CONDUCTORS REUSING EXISTING CONDUIT WHERE POSSIBLE TO BE OUT OF COMPLIANCE DURING TESTING.

GENERAL POWER NOTES

1 ALL ITEMS SHOWN DARK AND SOLID ON NEW WORK PLANS SHALL REPRESENT NEW WORK ITEMS AND ALL ITEMS SHOWN LIGHT AND SOLID ON PLANS SHALL REPRESENT EXISTING ITEMS TO REMAIN AS IS, UNLESS OTHERWISE NOTED.

2 ALL CONDUITS SHOWN DASHED AND LIGHT ON PLANS SHALL REPRESENT UNDERGROUND INSTALLATION AND EXISTING TO REMAIN.

3 E.C. SHALL FURNISH AND INSTALL NEW GENERATOR AND BYPASS ATS SWITCHES AS SHOWN ON DRAWINGS IN LOCATIONS OF EXISTING TO BE DEMOLISHED EQUIPMENT. E.C. SHALL COORDINATE ALL WORK IN FIELD WITH DEMOLITION DRAWINGS.

4 E.C. SHALL REMAKE ALL CONNECTIONS TO BYPASS ATS, GENERATOR AND EMERGENCY MAIN CIRCUIT BREAKERS PER EXISTING WIRING CONFIGURATION.

5 E.C. SHALL INSTALL ALL EQUIPMENT PER MANUFACTURER'S WRITTEN INSTALLATION INSTRUCTIONS.

6 E.C. SHALL ENSURE AT COMPLETION OF PROJECT THAT ALL EQUIPMENT INSTALLED IS 100% COMPLETE AND FULLY OPERATIONAL TO THE OWNER'S SATISFACTION.

7 E.C. SHALL REFER TO ELECTRICAL SINGLE LINE DIAGRAMS ON DRAWING E-601 FOR MORE INFORMATION.

8 EXISTING CONDUIT IS SHOWN DIAGRAMMATICALLY, BUT DOES REFLECT APPROXIMATE FIELD SURVEYED LOCATION AND/OR ROUTING. E.C. SHALL REFER TO MARKINGS ONSITE FOR ALL LOCATIONS OF UNDERGROUND UTILITIES IN FIELD.

9 E.C. SHALL COORDINATE EXACT LOCATION OF ROLL-UP DOCKING STATION AND COMMAND STATION 100A, 3P PLUS CONNECTION IN FIELD WITH OWNER PRIOR TO INSTALLATION.

10 E.C. SHALL FURNISH AND INSTALL ALL PULLBOXES REQUIRED TO INSTALL CONDUCTORS WITHOUT DAMAGE OR TO MAKE SPLICES.

11 E.C. SHALL CALCULATE ALL PULLBOX SIZES AND COORDINATE ALL LOCATIONS IN FIELD BEFORE COMMENCING WORK.

12 E.C. SHALL REFER TO DRAWING E-601 FOR CONCRETE PAD AND BOLLARD INSTALLATION DETAILS.

13 E.C. SHALL REUSE EXISTING BRANCH CIRCUIT WIRING TO REFEED CONVENIENCE RECEPTACLE, BATTERY CHARGER, AND BLOK HEATER FROM NEW GENERATOR ENCLOSURE PANEL AS SHOWN ON DRAWING E-601.

14 E.C. SHALL BE RESPONSIBLE FOR SAW-CUTTING, EXTENDING EXISTING CONDUITS AND FEEDERS TO NEW CONDUIT WINDOW, AND PATCHING OF EXISTING CONCRETE GENERATOR PAD IN CASE ALTERNATE GENERATOR IS FURNISHED TO CORRESPOND WITH ALTERNATE GENSET POWER CONNECTION LOCATION. IF AN ALTERNATE GENERATOR IS SELECTED, E.C. SHALL COORDINATE ALL WORK IN FIELD WITH ALTERNATE GENERATOR MANUFACTURER'S WRITTEN INSTALLATION INSTRUCTIONS AND SHOP DRAWINGS.

15 E.C. SHALL PROVIDE A ROLL-UP TEMPORARY GENERATOR FOR TEMPORARY POWER TO BUILDING WHEN BYPASS ATS SWITCHES AND GENERATOR ARE TAKEN OFF-LINE FOR DEMOLITION.

- KEYNOTES**
- E.C. SHALL REUSE EXISTING SAFEGUARDED BRANCH CIRCUIT FROM DEMOLITION PORTION OF PROJECT TO FEED NEW 50A, 2P NEMA 3R ENCLOSED GFCI CIRCUIT BREAKER BEFORE FEEDING NEW NEMA 14-50R COMMAND CENTER RECEPTACLE. E.C. SHALL COORDINATE ALL LOCATIONS AND WORK IN FIELD WITH NEW GENERATOR ENCLOSURE.
 - E.C. SHALL FURNISH AND INSTALL NEW GENERATOR ON EXISTING CONCRETE PAD. E.C. SHALL COORDINATE EXACT CONDUIT WINDOW LOCATION OF NEW GENERATOR WITH EXISTING CONDUIT LOCATIONS PRIOR TO INSTALLATION OF GENERATOR.
 - E.C. SHALL REUSE EXISTING SAFEGUARDED FEEDERS TO REMAKE CONNECTIONS TO NEW BYPASS ATS SWITCH. E.C. SHALL COORDINATE EXACT LOCATIONS OF EQUIPMENT IN FIELD WITH EXISTING CONDITIONS. E.C. SHALL CONFIRM NEW ATS SWITCH CAN BE INSTALLED IN NEW SPACE MADE AFTER DEMOLITION OF OLD BYPASS ATS SWITCH.
 - E.C. SHALL FURNISH AND INSTALL TEMPORARY ROLL-UP GENERATOR DOCKING STATION ON CONCRETE PAD IN AREA AS COORDINATED WITH OWNER. DOCKING STATION SHALL BE INSTALLED IN LOCATION WHERE TEMPORARY GENERATOR CONNECTION CAN BE MADE EASILY. E.C. SHALL FURNISH AND INSTALL UNISTRUT FRAME TO MOUNT DOCKING STATION ON UNISTRUT FRAME SHALL BE BUILT TO HOLD 250LBS.
 - E.C. SHALL HAND DIG AROUND EXISTING CONDUITS AFTER PULLING CABLE PARTIALLY OUT OF CONDUIT. E.C. SHALL INTERCEPT EXISTING CONDUIT AND REWORK CONDUITS TO NEW DOCKING STATION. E.C. SHALL FURNISH AND INSTALL NEW CONDUCTORS FROM GENERATOR TO DOCKING STATION.
 - E.C. SHALL FURNISH AND INSTALL A 100A, 3P, 4W CIRCUIT LOCK IEC PIN AND SLEEVE MECHANICAL INTERLOCK RECEPTACLE ON UNISTRUT FRAME FOR CONNECTION TO ROLL-UP COMMAND CENTER. E.C. SHALL FURNISH AND INSTALL MODEL #BL4100M12W WITH NEUTRAL BLOCK #HBL100RNB AS MANUFACTURED BY HUBBELL. E.C. SHALL COORDINATE EXACT LOCATION OF PLUG WITH OWNER PRIOR TO INSTALLING RECEPTACLE.
 - E.C. SHALL FURNISH AND INSTALL 6" DIAMETER CONCRETE FILLED STEEL BOLLARDS FOR PROTECTION OF ELECTRICAL EQUIPMENT. BOLLARDS SHALL, E.C. SHALL COORDINATE ALL BOLLARD LOCATIONS AND WORK IN FIELD WITH EXISTING CONDITIONS PRIOR TO INSTALLATION.
 - E.C. SHALL FURNISH AND INSTALL A 100A, 3P NEMA 3R ENCLOSED GFCI TYPE CIRCUIT BREAKER ON UNISTRUT FRAME WIRED PRIOR TO 100A IEC PIN AND SLEEVE RECEPTACLE DEVICE. E.C. SHALL COORDINATE ALL LOCATIONS OF DEVICES, UNISTRUT FRAME SIZE AND TRENCH ROUTING IN FIELD.
 - E.C. SHALL REUSE EXISTING SAFEGUARDED BRANCH CIRCUIT FROM DEMOLITION PORTION OF PROJECT TO FEED NEW GFCI RECEPTACLE. E.C. SHALL REWORK EXISTING CIRCUIT TO BE FED FROM NEW PANEL GEP. E.C. SHALL COORDINATE ALL WORK IN FIELD.
 - E.C. SHALL FURNISH AND INSTALL A NEW BRANCH FEEDER FROM PANEL SDP LOCATED IN EXISTING MECHANICAL ROOM FROM A NEWLY FURNISHED AND INSTALLED 100A, 2P CIRCUIT BREAKER IN EXISTING SPACE TO FEED NEW PANEL GEP IN GENERATOR ENCLOSURE. E.C. SHALL DIRECTIONALLY BORE CONDUIT UNDERSLAB FROM BUILDING UP INTO EXISTING CONCRETE PAD CONDUIT WINDOW TO MAKE CONNECTION TO NEW PANELBOARD. E.C. SHALL COORDINATE ALL WORK IN FIELD WITH EXISTING CONDITIONS PRIOR TO COMMENCING WORK.
 - E.C. SHALL FURNISH AND INSTALL A NEW 3KW UNIT HEATER INSIDE OF GENERATOR ENCLOSURE. UNIT HEATER SHALL BE MODEL #MUH381 AS MANUFACTURED BY QMARK. E.C. SHALL HANG UNIT HEATER IN ENCLOSURE FROM CEILING OF ENCLOSURE AND SHALL PROVIDE ALL CONTROL WIRING THROUGH GENERATOR CONTROL PANEL TO SHUT-OFF WHEN MOTORIZED LOUVERS ARE OPENED AND GENERATOR STARTS. E.C. SHALL COORDINATE ALL WORK IN FIELD.
 - E.C. SHALL INTERCEPT EXISTING CONDUIT WITH FEEDER TO 50A RECEPTACLE TO BE EXTENDED TO THE NEW RECEPTACLE LOCATION AS SHOWN ON THIS PLAN. E.C. SHALL FURNISH AND INSTALL BOX FOR EXTENSION OF BRANCH CIRCUIT FEEDER.

REVISIONS		
REV.	DESCRIPTION	DATE
A	ADDENDUM #2	06.27.2025

DEDIC
ENGINEERING DESIGN & CONSTRUCTION
www.dedic-eng.com

315 South Chapel St.
Newport, DE 19111
Phone: 410-778-7172
Fax: 410-778-7173

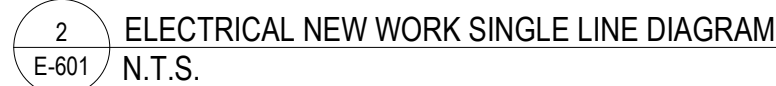
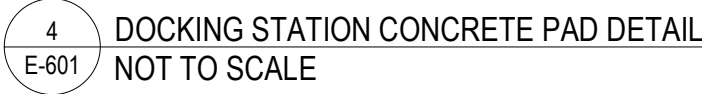
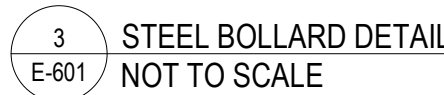
One Liberty Place
16th Floor
Philadelphia, PA 19103
Phone: 215-255-4552

PROJ #:24P341

911 PUBLIC SAFETY BUILDING GENERATOR REPLACEMENT

KENT COUNTY PUBLIC SAFETY
911 Public Safety Bldg
Dover, DE 19901

SCALE	AS NOTED	DATE	SHEET NO.
DRAWN BY	DRW	03.31.2025	E-201
CHECKED BY	DRW	03.31.2025	
APPROVED BY	DRW	03.31.2025	

JOHN R. FARNA P.E.

DEDC LLC
ENGINEERING | DESIGN | CONSULTING
www.dedc-eng.com

315 South Chapel St.
Newark, DE 19711
Phone: (302)738-7172

One Liberty Place
1650 Market Street, 36th Floor
Philadelphia, PA 19103
Phone: (267)386-4885

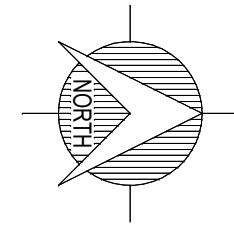
PROJ #:24P341

911 PUBLIC SAFETY BUILDING GENERATOR REPLACEMENT

KENT COUNTY PUBLIC SAFETY
911 Public Safety Blvd
Dover, DE 19901

REV I S I O N S			
REV.	DESCRIPTION	DATE	ELECTRICAL DEMOLITION AND NEW WORK SINGLE LINE DIAGRAMS SCALE AS NOTED DATE SHEET NO. DRAWN BY DRW 03.31.2025 CHECKED BY DRW 03.31.2025 APPROVED BY DRW 03.31.2025 E-601
A	ADDENDUM #2	06.27.2025	

03.31.2025 - ISSUED FOR PERMIT/CONSTRUCTION



GENERAL NOTES

1 TRINITY UNDERGROUND TRACING DRAWING IS PROVIDED FOR REFERENCE AND SHALL BE CORROBORATED IN FIELD PRIOR TO COMMENCING ALL DIGGING.



TRINITY
Subsurface LLC

14 Hadco Road, Wilmington,
Delaware, 19804

(855) 387-4648

www.trinitysubsurface.com

FIELD SKETCH

Not to Scale

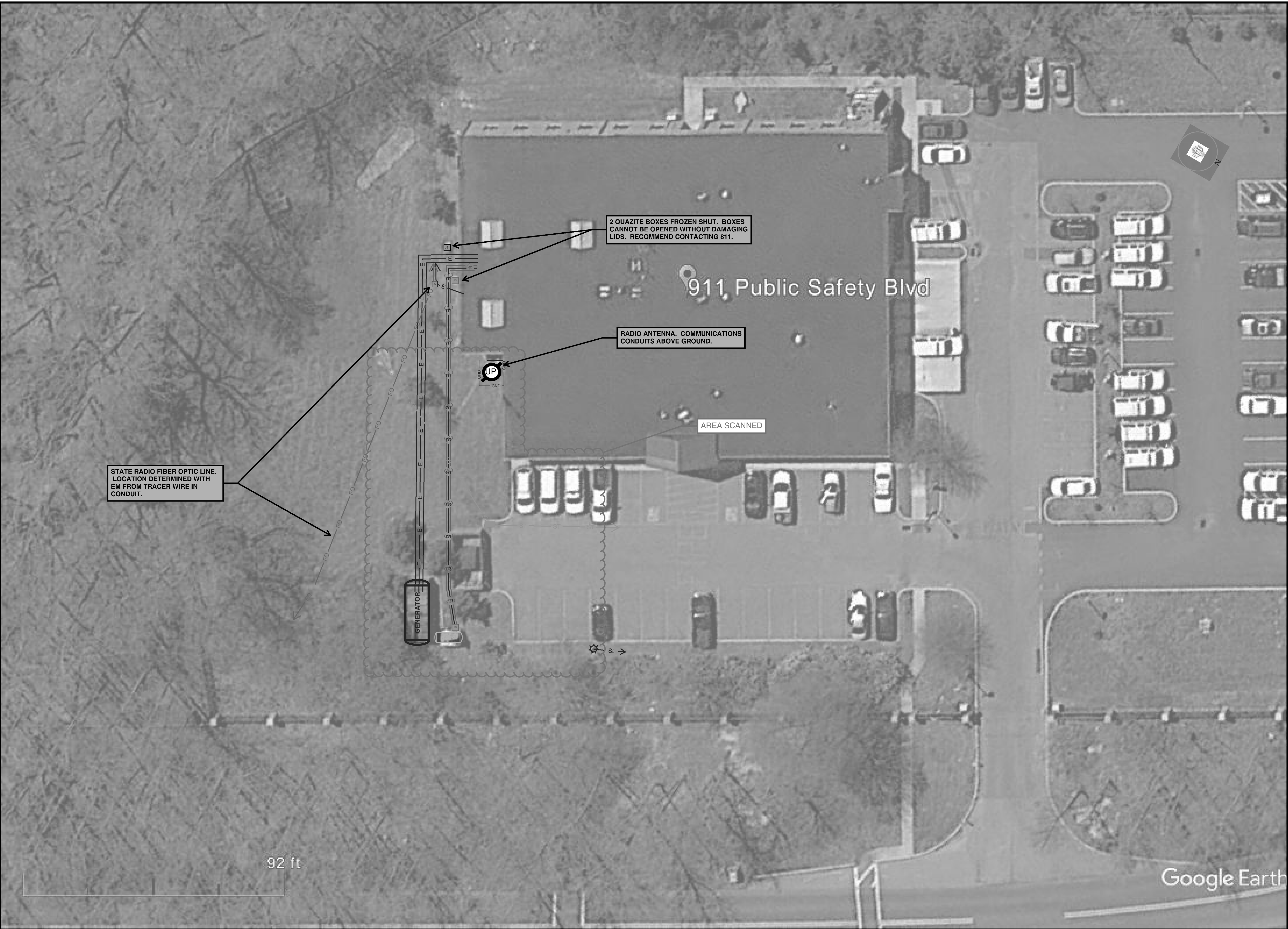
APWA ® UNIFORM COLOR CODE

	E		ELECTRIC
	C		COMMUNICATIONS
	G		GAS
	W		WATER
	ST		STORM SEWER
	SS		SANITARY SEWER
	UNK		UNKNOWN
	ASSUMED LINE LOCATION (NOT CONFIRMED, COLOR CORRESPONDS WITH LINE TYPE)		

SYMBOL LEGEND

(COLOR WILL CORRESPOND WITH UTILITY TYPE)

UTILITY POLE	JUNCTION BOX
MANHOLE	CLEANOUT
SITE LIGHT	WATER VAULT
TRANSFORMER	FIRE HYDRANT
VALVE	GAS METER
IRRIGATION BOX	CONTINUOUS LINE
SQUARE INLET	END OF INFORMATION
ROUND INLET	BORING OR TEST HOLE LOCATION
ROOF DRAIN	
POST INDICATOR VALVE	



KENT CO PUBLIC SAFETY GENERATOR - DOVER, DE

PROJECT NAME

25-19993.001

PROJECT NUMBER

02/19/2025

DATE

BRENDAN McWILLIAMS

DRAFTED BY

1/1

SHEET NUMBER



315 South Chapel St.
Newark, DE 19711
Phone: (800) 749-7172
One Liberty Place
1100 Market Street, 36th Floor
Philadelphia, PA 19102
Phone: (215) 260-6882

PROJ #:24P341

911 PUBLIC SAFETY BUILDING GENERATOR REPLACEMENT

KENT COUNTY PUBLIC SAFETY
911 Public Safety Bldg
Dover, DE 19901

ELECTRICAL UNDERGROUND UTILITIES
TRACING SKETCH

SCALE	AS NOTED	DATE	SHEET NO.
DRAWN BY	DRW	03.31.2025	E-602
CHECKED BY	DRW	03.31.2025	
APPROVED BY	DRW	03.31.2025	

03.31.2025 - ISSUED FOR PERMIT/CONSTRUCTION