

**THE SCHOOL DISTRICT OF PHILADLPHIA
SCHOOL REFORM COMMISSION
Office of Capital Programs
440 North Broad Street, 3rd Floor – Suite 371
Philadelphia, PA 19130**

TELEPHONE: (215) 400-4730

Addendum No. 01

Subject: Charles W. Henry Elementary School – Emergency Generator Replacement
SDP Contract No. B-060 (C) of 2017/18

Location: Charles W. Henry Elementary School
601-47 Carpenter Ln.,
Philadelphia, Pennsylvania 19119

This Addendum, dated September 19, 2018, shall modify and become part of the Contract Documents for the work of this project. Any items not mentioned herein, or affected by, shall be performed strictly in accordance with the original documents.

Drawing Revisions:

Drawings

E100: Updated drawings to indicate bollards around generator fence.

E501: Added bollard detail to drawing.

End of Addendum

A

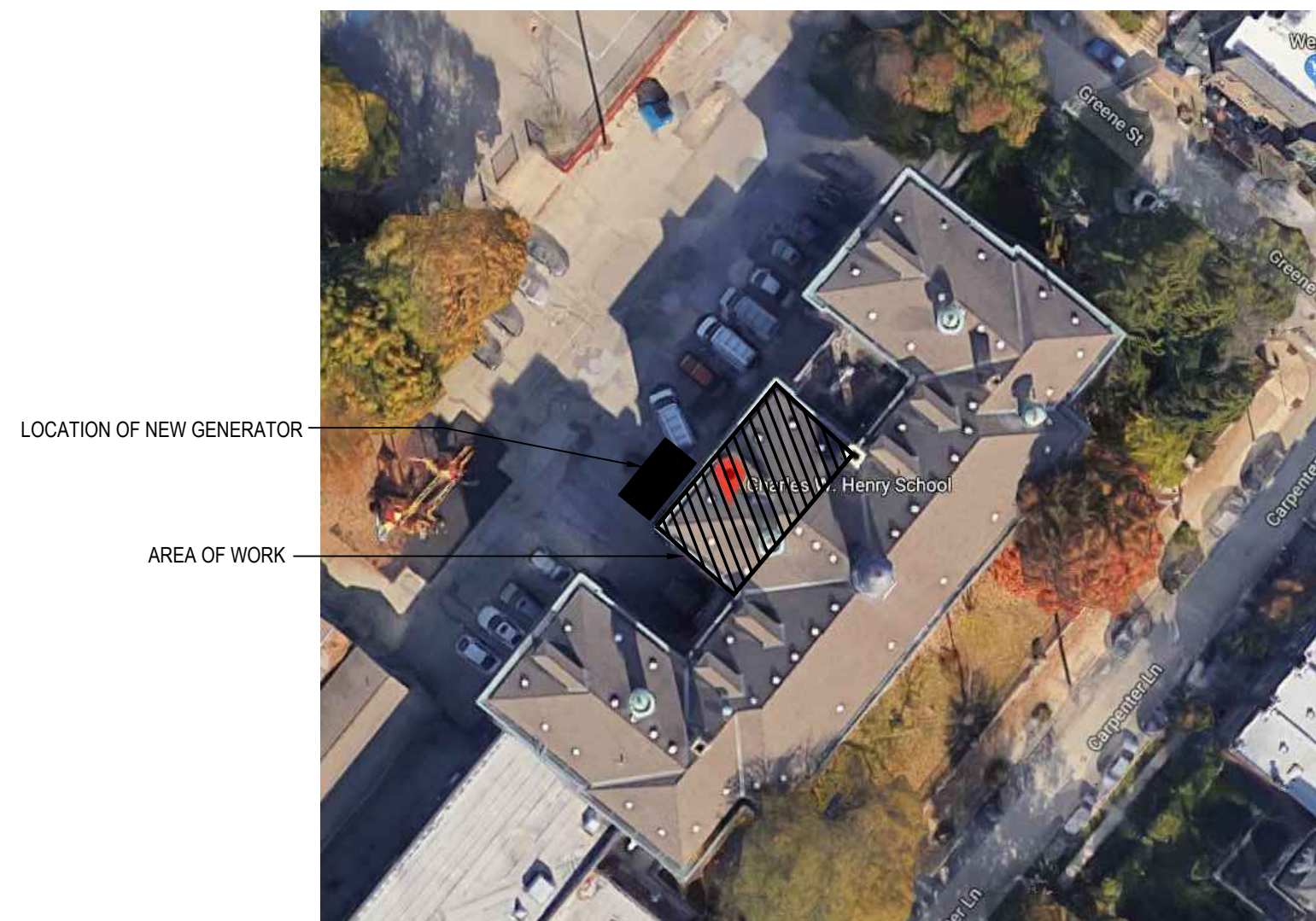
B

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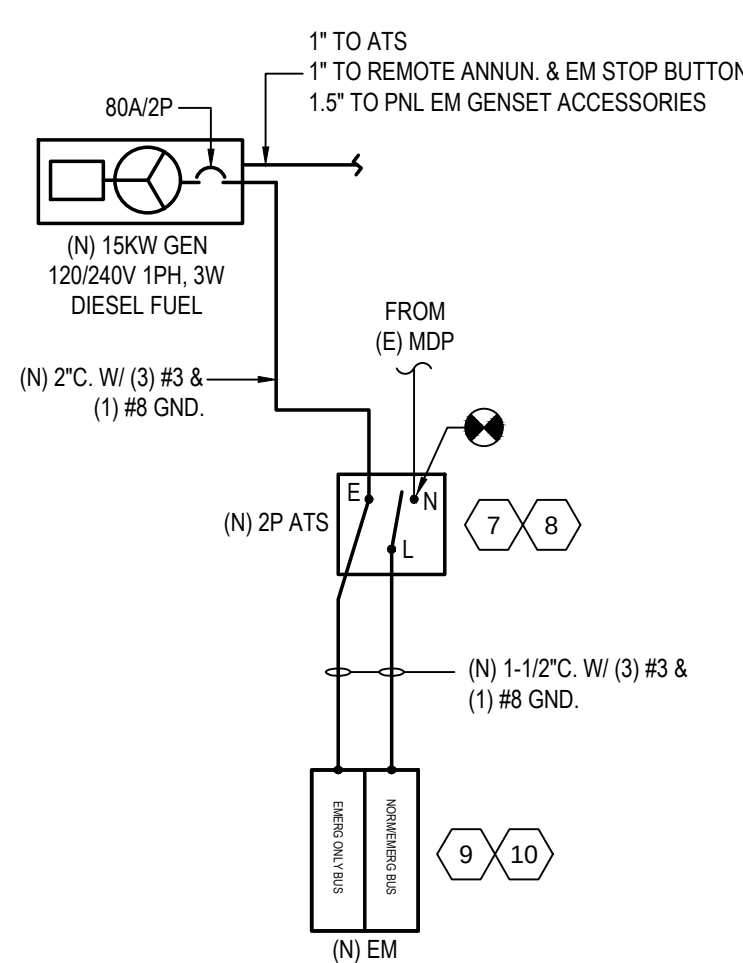
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F



PROJECT SITE PLAN
NTS

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NOTE - ALL CONDUIT SHALL BE THREADED GALVANIZED RIGID METAL (STEEL) CONDUIT ONLY.

NEW WORK SINGLE LINE DIAGRAM
NOT TO SCALE

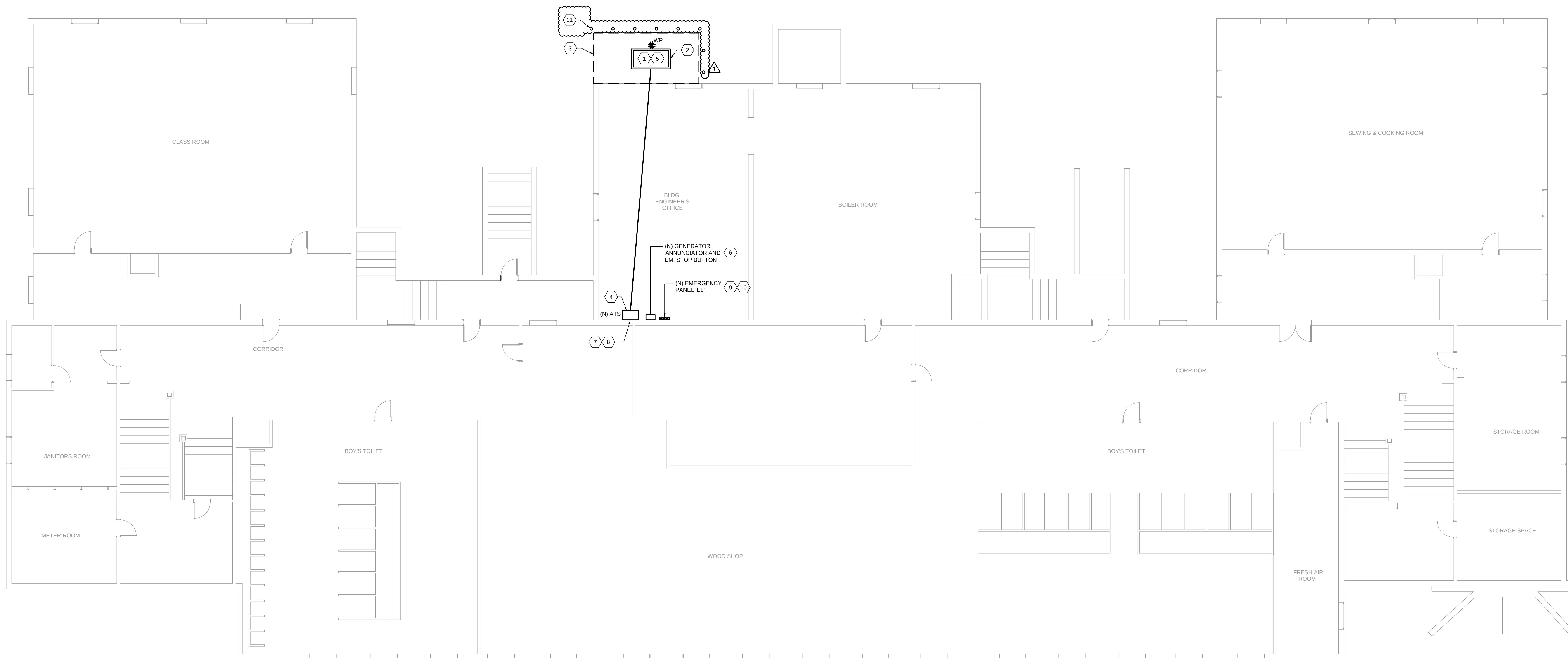
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GENERAL NOTES:

- A. ALL CONDUIT SHALL BE THREADED GALVANIZED RIGID METAL (STEEL) CONDUIT ONLY.
B. CONTRACTORS SHALL COORDINATE INSTALLATION WITH SDP ENVIRONMENTAL TEAM.

NEW WORK SHEET NOTES

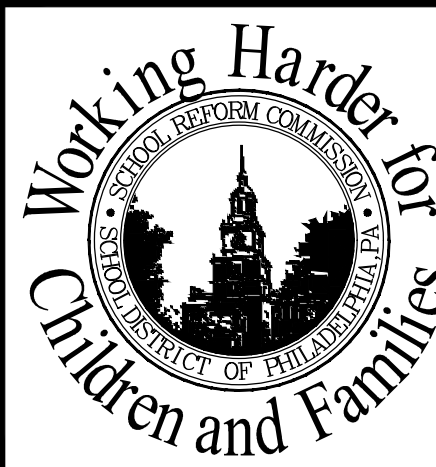
1. PROVIDE NEW DIESEL GENERATOR WITH LEVEL 1 SOUND ATTENUATING WEATHERPROOF ENCLOSURE. GENERATOR SHALL BE RATED FOR 15KW, 120/240V, 1PH, WITH 80A/2P MCB AT GENERATOR CONTROL PANEL. PROVIDE GENERATOR WITH 48-HOUR DOUBLE-WALLED SKID-BASED DIESEL FUEL TANK WITH OVERFLOW AND SECONDARY VENTILATION, MOUNTED UNDER GENERATOR.
2. PROVIDE NEW 6" CONCRETE HOUSEKEEPING PAD, 3000 PSI CONCRETE SLAB FOR NEW GENERATOR. PAD SHALL EXTEND AT MINIMUM 6" BEYOND FOOTPRINT OF GENERATOR ENCLOSURE ON ALL SIDES. COORDINATE EXACT DIMENSIONS OF PAD WITH SELECTED GENERATOR EQUIPMENT. SEE DWG E501 FOR GENERATOR PAD DETAIL.
3. PROVIDE CHAIN LINK FENCE FOR GENERATOR. SEE DWG E501 FOR FENCING DETAILS.
4. PROVIDE (1) 2" CONDUIT FOR GENSET INCOMING POWER WIRING, (1) 1" CONDUIT FOR CONTROL WIRING TO ATS, (1) 1" FOR GENERATOR EM STOP AND REMOTE ANNUNCIATOR PANEL, (1) 1-1/2" FOR GENSET ACCESSORIES BRANCH CIRCUITS. CONDUITS SHALL BE ROUTED ABOVE-GROUND OUTSIDE BUILDING, PENETRATE EXTERIOR WALL, AND ENTER INTO ROOM. COORDINATE EXACT PATHWAY IN FIELD. SEE DWG E501 FOR DETAIL OF CONDUIT PENETRATION OF EXTERIOR WALL.
5. PROVIDE POWER FOR GENERATOR ACCESSORIES: ANTI-CONDENSATE HEATER, BLOCK HEATER, CONVENIENCE RECEPTACLE, AND BATTERY CHARGER. UTILIZE DEDICATED 120V, 20AMP CIRCUITS FOR EACH ACCESSORY: ANTI-CONDENSATE HEATER - EL15, BLOCK HEATER - EL16, BATTERY CHARGER - EL17, CONV. RECEPTACLE - EL18. PROVIDE (2) #12 + (1) #12 GND. FOR EACH CIRCUIT ROUTED WITHIN 1-1/2" CONDUIT TO GENERATOR. BREAKERS UTILIZED FOR GENERATOR ACCESSORIES SHALL BE LOCKED IN THE NORMAL/EMERGENCY SWITCH POSITION.
6. PROVIDE NEW EMERGENCY STOP BUTTON AND GENERATOR ANNUNCIATOR WITH WIRE GUARD CAGE, COMPATIBLE WITH NEW GENERATOR. PROVIDE 1" CONDUIT FROM GENERATOR TO EM STOP BUTTON AND ANNUNCIATOR FOR INTERCONNECTION OF BUTTON AND ANNUNCIATOR TO GENERATOR CONTROL PANEL. PROVIDE WIRING INTERCONNECTION PER GENSET MANUFACTURER REQUIREMENTS. ANNUNCIATOR PANEL AND EM STOP BUTTON TO BE LOCATED WITHIN BUILDING ENGINEER'S OFFICE.
7. PROVIDE NEW 100A, 2 POLE, 240V, 3-WIRE ATS, ASCO 300 SERIES OR APPROVED EQUAL. ATS CONTROLLER SHALL BE PROVIDED WITH AUTOMATIC ENGINE EXERCISER FUNCTION. RECONNECT EXISTING NORMAL POWER FEEDER TO NEW ATS.
8. GENERATOR IS NOT A SEPARATELY DERIVED SYSTEM, GROUNDED NEUTRAL CONDUCTOR SHALL BE SOLIDLY INTERCONNECTED TO SUPPLY FEEDER CONDUCTORS NEUTRAL AT AUTOMATIC TRANSFER SWITCH. NEUTRAL CONDUCTOR SHALL NOT BE SWITCHED.
9. NEW CUSTOM PANEL "EL": SEE SINGLE LINE DIAGRAM AND DWG E601 FOR MORE DETAILS. RECONNECT ALL EXISTING (QTY 14) BRANCH CIRCUITS TO NEW PANEL BOARD. PROVIDE NAME PLATE PLACARDS FOR EACH BRANCH CIRCUIT. PANEL BOARD SHALL BE PROVIDED WITH (2) MAIN BREAKERS: (1) MCB FOR EMERGENCY ONLY FEEDER, (1) MCB FOR NORMAL/EMERGENCY FEEDER TO PANEL BOARD. PROVIDE PLACARD LABELS FOR EACH MAIN BREAKER. PROVIDE A TYS FOR NEW PANEL BOARD. 30A DISCONNECT WITH (2) 30A FUSES AND TRANSIENT SURGE SUPPRESSION DEVICE. RUN #10 AWG FROM DISCONNECT TO FEED THRU LUGS ON NORMAL POWER BUS BAR.
10. PROVIDE A PLACARD LABEL AT PANEL BOARD IDENTIFYING THAT THE PANEL BOARD IS SUPPLIED FROM (2) SOURCES OF POWER. PLACARD SHALL STATE: "PANEL BOARD IS SUPPLIED FROM TWO SOURCES OF POWER. TO DE-ENERGIZE PANEL BOARD, 1. SHUT OFF EMERGENCY ONLY MAIN BREAKER AND NORMAL/EMERGENCY MAIN BREAKER, AND LOCK OUT BREAKER. AUTOMATIC TRANSFER SWITCH SHALL BE LOCKED INTO OPEN SWITCH POSITION."
11. PROVIDE BOLLARD AROUND FENCE FOR PROTECTION AGAINST VEHICULAR TRAFFIC. SEE DWG E501 FOR BOLLARD DETAIL.



NEW WORK PLAN

1/8" = 1'-0"

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SEAL

NORR

CONSULTANTS

SCHOOL & LOCATION
CHARLES W. HENRY ELEMENTARY SCHOOL
601-47 CARPENTER LN., PHILADELPHIA, PA 19119

PROJECT TITLE
EMERGENCY GENERATOR REPLACEMENT

DRAWING TITLE
BASEMENT LEVEL -
NEW WORK PLAN

APPROVED BY

SCHOOL DISTRICT OF PHILADELPHIA
THE SCHOOL REFORM COMMISSION

DEPARTMENT OF DESIGN AND CONSTRUCTION SERVICES
PHILADELPHIA, PA 19107-4015
215-400-4230 FAX 215-400-4731
www.phila.edu

CONTRACTOR TO VERIFY ALL CONDITIONS AND DIMENSIONS AT SITE

NO.	DATE	REVISION
8		
7		
6		
5		
4		
3		
2		
1	08/19/18	ADDENDUM#1
	08/17/18	ISSUED FOR BD

SPEC. NO. B-060C 2017/18	DATE 08/17/18
SCALE AS NOTED	LOCATION NO.
DRAWN BY BAS	TYPE NO.
CHECKED BY NVP	FILE NO.

DRAWING NO.
E100

B-060C OF 2017/18
SHEET 3 OF 5



- C

D



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